

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065922.D
 Acq On : 07 Jul 2020 14:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 7/8/2020 12:05:33 PM

Quant Time: Jul 08 09:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	79842	20.59	ug/l	0.00
Spiked Amount						
			Recovery	=	41.18%	
35) Dibromofluoromethane	7.91	113	82872	20.17	ug/l	0.00
Spiked Amount						
			Recovery	=	40.34%	
50) Toluene-d8	10.34	98	305510	20.38	ug/l	0.00
Spiked Amount						
			Recovery	=	40.76%	
62) 4-Bromofluorobenzene	12.64	95	105054	20.41	ug/l	0.00
Spiked Amount						
			Recovery	=	40.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	87344	22.454	ug/l	93
3) Chloromethane	2.21	50	83847	21.744	ug/l	96
4) Vinyl Chloride	2.35	62	75637	21.363	ug/l	97
5) Bromomethane	2.75	94	47178	21.036	ug/l #	79
6) Chloroethane	2.92	64	45431	21.465	ug/l	90
7) Trichlorofluoromethane	3.27	101	159829	21.062	ug/l	99
8) Diethyl Ether	3.70	74	42574	20.450	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94930	20.914	ug/l	99
10) Methyl Iodide	4.30	142	81500	18.906	ug/l	99
11) Tert butyl alcohol	5.23	59	31109	113.249	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	87905	20.730	ug/l	97
13) Acrolein	3.93	56	27971	122.261	ug/l	96
14) Allyl chloride	4.71	41	148761	20.701	ug/l	99
15) Acrylonitrile	5.42	53	95004	104.230	ug/l	99
16) Acetone	4.16	43	91413	100.590	ug/l	99
17) Carbon Disulfide	4.41	76	282893	20.937	ug/l	100
18) Methyl Acetate	4.71	43	42482	19.942	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	184441	20.545	ug/l	100
20) Methylene Chloride	4.97	84	131388	20.353	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97500	20.436	ug/l	99
22) Diisopropyl ether	6.36	45	281433	20.840	ug/l	98
23) Vinyl Acetate	6.30	43	809482	105.013	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165903	20.602	ug/l	97
25) 2-Butanone	7.21	43	119856	99.809	ug/l	90
26) 2,2-Dichloropropane	7.21	77	143409	20.357	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104911	20.466	ug/l	99
28) Bromochloromethane	7.54	49	67961	22.341	ug/l	98
29) Tetrahydrofuran	7.56	42	77826	101.920	ug/l	98
30) Chloroform	7.71	83	167123	20.472	ug/l	94
31) Cyclohexane	7.98	56	162111	20.461	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	155478	20.869	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135331	20.575	ug/l	98
37) Ethyl Acetate	7.30	43	56577	20.529	ug/l	99
38) Carbon Tetrachloride	8.10	117	141877	20.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165301	20.470	ug/l	96
40) Benzene	8.35	78	374573	20.613	ug/l	98
41) Methacrylonitrile	7.53	41	31780	19.401	ug/l	93
42) 1,2-Dichloroethane	8.43	62	104682	20.335	ug/l	99
43) Isopropyl Acetate	8.45	43	103245	20.126	ug/l	99
44) Trichloroethene	9.11	130	109173	20.448	ug/l	95
45) 1,2-Dichloropropane	9.39	63	91495	20.287	ug/l	94
46) Dibromomethane	9.48	93	48403	20.614	ug/l	97
47) Bromodichloromethane	9.67	83	128460	20.395	ug/l	96
48) Methyl methacrylate	9.46	41	52775	20.436	ug/l	96
49) 1,4-Dioxane	9.46	88	10782	386.456	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	263868	101.741	ug/l	99
52) Toluene	10.40	92	239244	20.695	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	123216	20.805	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	146795	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	64663	19.988	ug/l	96
56) Ethyl methacrylate	10.66	69	82456	20.868	ug/l	95
57) 1,3-Dichloropropane	10.95	76	119606	21.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	207100	108.222	ug/l	99
59) 2-Hexanone	10.98	43	188800	105.850	ug/l	97
60) Dibromochloromethane	11.14	129	93895	21.243	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65550	20.322	ug/l	98
64) Tetrachloroethene	10.88	164	90472	20.290	ug/l	98
65) Chlorobenzene	11.67	112	261314	21.148	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	93916	20.321	ug/l	98
67) Ethyl Benzene	11.75	91	455394	20.746	ug/l	99
68) m/p-Xylenes	11.86	106	348388	41.774	ug/l	97
69) o-Xylene	12.18	106	157115	20.681	ug/l	99
70) Styrene	12.20	104	272589	20.785	ug/l	99
71) Bromoform	12.36	173	52715	20.158	ug/l #	95
73) Isopropylbenzene	12.48	105	436186	20.599	ug/l	100
74) N-amyl acetate	12.29	43	97423	20.503	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71701	20.396	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49811m	19.651	ug/l	
77) Bromobenzene	12.76	156	106049	20.649	ug/l	100
78) n-propylbenzene	12.83	91	520528	20.967	ug/l	100
79) 2-Chlorotoluene	12.91	91	292462	20.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	363564	20.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24731	20.879	ug/l	96
82) 4-Chlorotoluene	13.01	91	303743	20.556	ug/l	99
83) tert-Butylbenzene	13.23	119	308309	20.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361704	20.980	ug/l	99
85) sec-Butylbenzene	13.41	105	431637	20.641	ug/l	99
86) p-Isopropyltoluene	13.52	119	393835	20.591	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	202399	21.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	198946	20.750	ug/l	100
89) n-Butylbenzene	13.85	91	370319	20.617	ug/l	99
90) Hexachloroethane	14.11	117	79504	20.613	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	174086	20.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12674	21.561	ug/l	92

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VSTDICC020

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123724	20.668	ug/l	97
94) Hexachlorobutadiene	15.27	225	72847	20.117	ug/l	98
95) Naphthalene	15.40	128	197891	19.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	107694	20.856	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

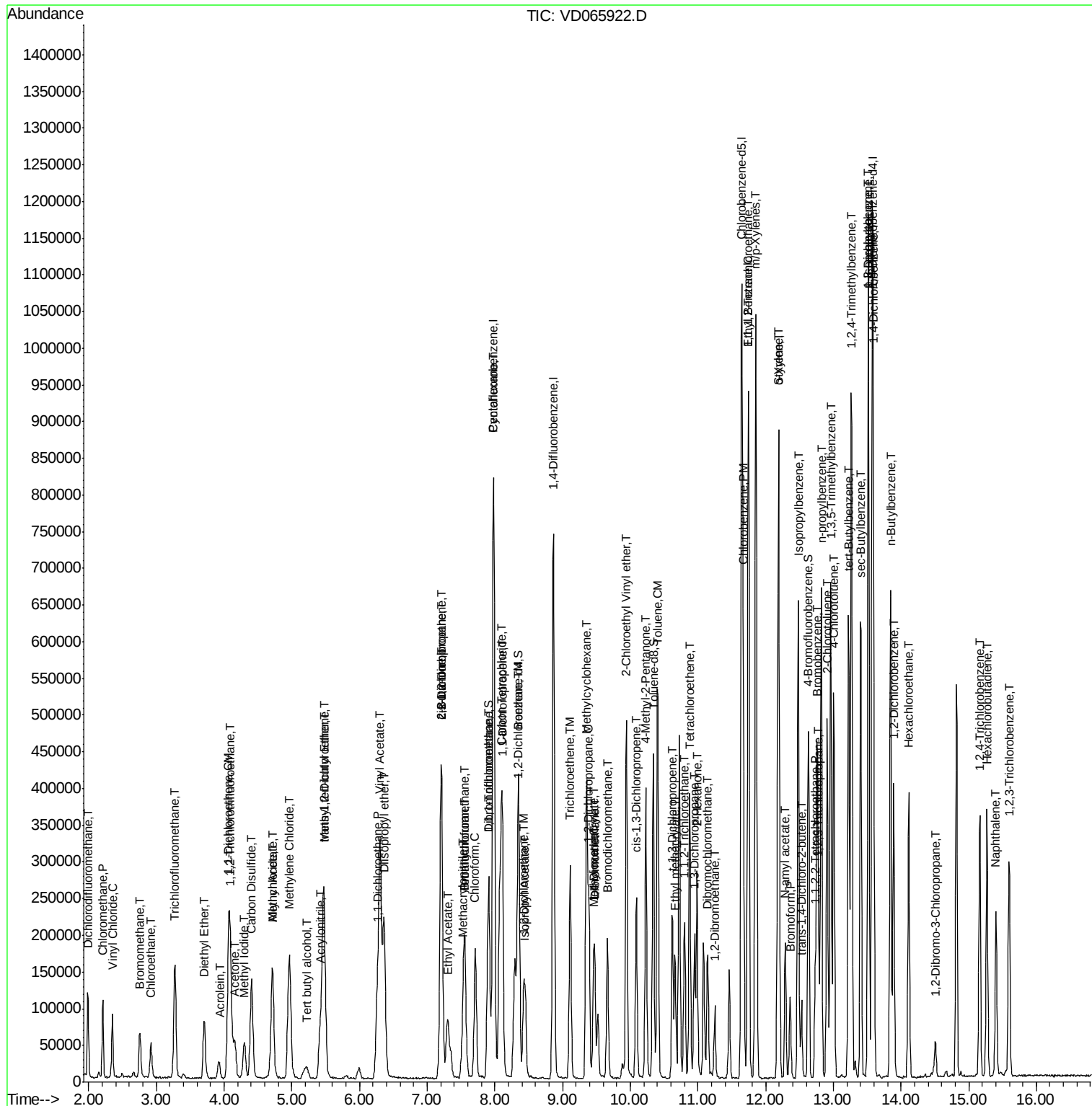
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Data File : VD065922.D
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Operator : VA/SY
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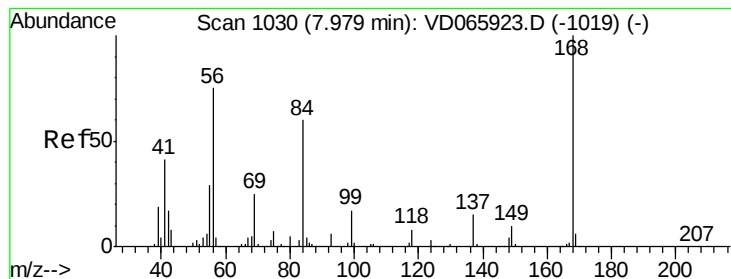
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 437549

Ion Ratio Lower Upper

168 100

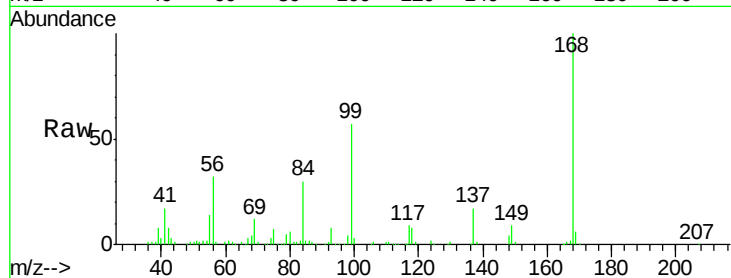
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Manual Integrations

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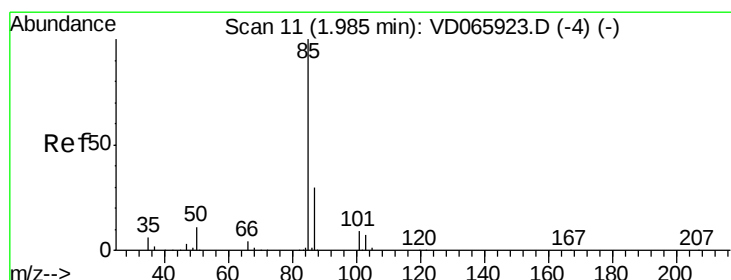
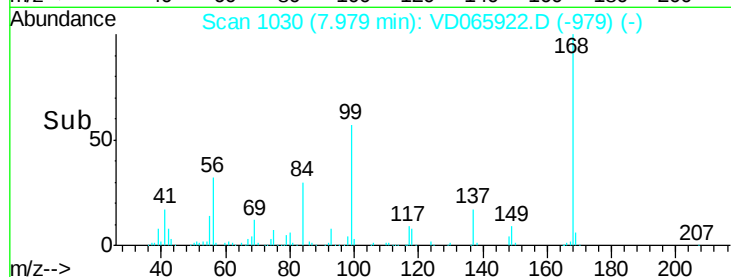
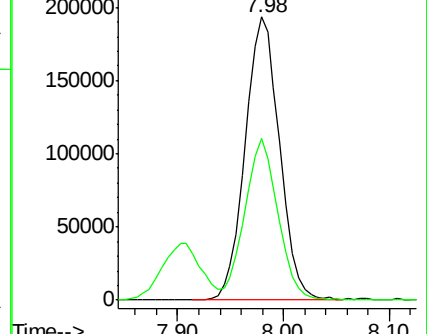
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.454 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065922.D

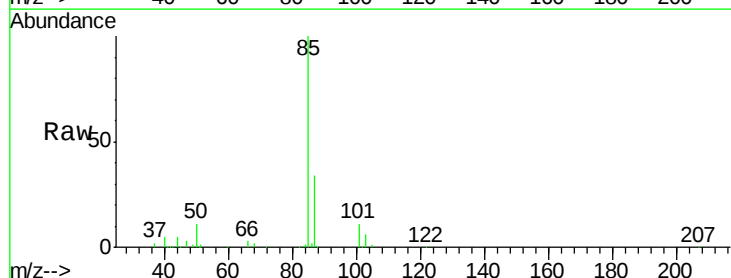
Acq: 07 Jul 2020 14:34

Tgt Ion: 85 Resp: 87344

Ion Ratio Lower Upper

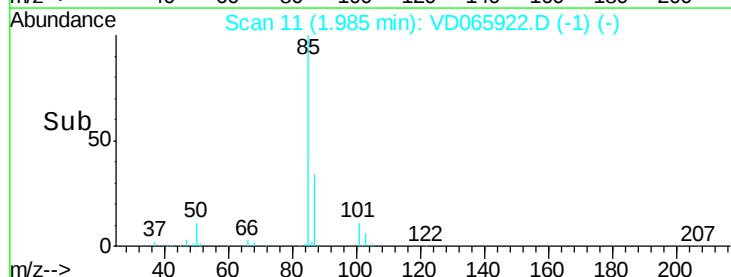
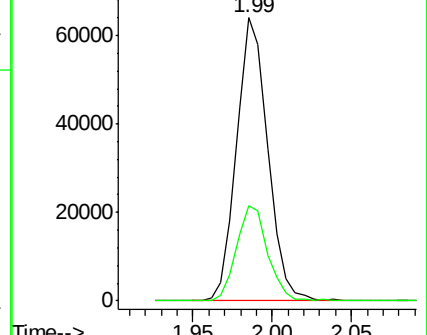
85 100

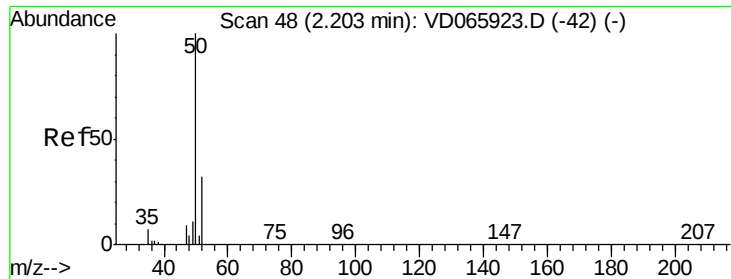
87 33.5 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.744 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 83847

Ion Ratio Lower Upper

50 100

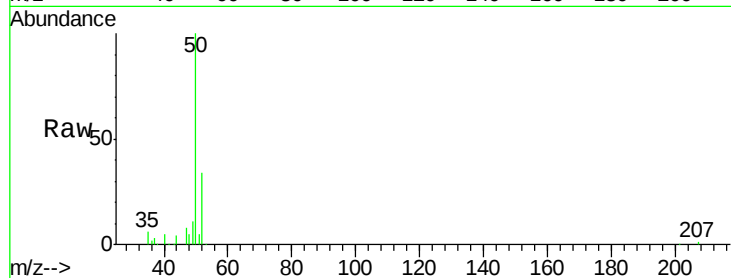
52 34.1 25.6 38.4

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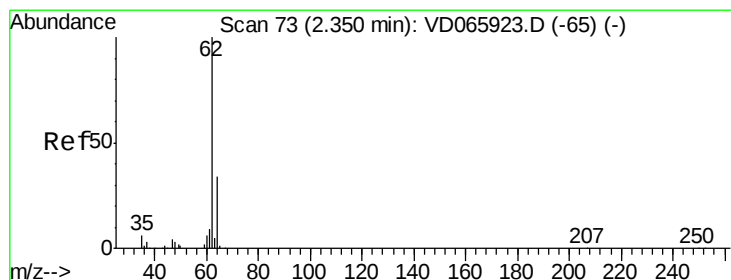
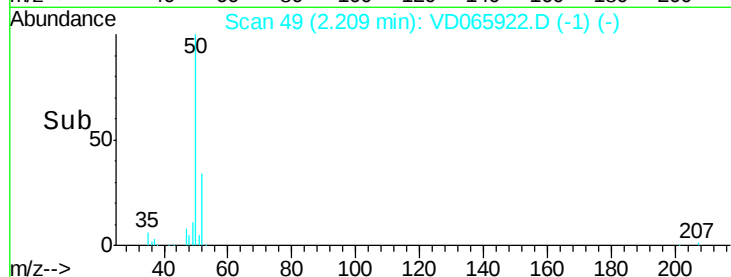
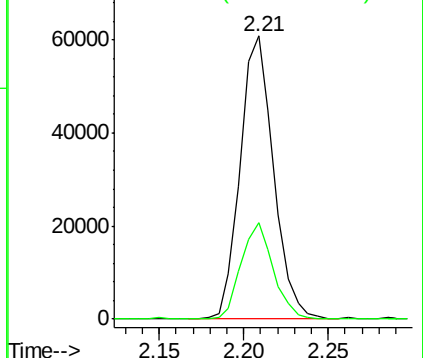
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.363 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065922.D

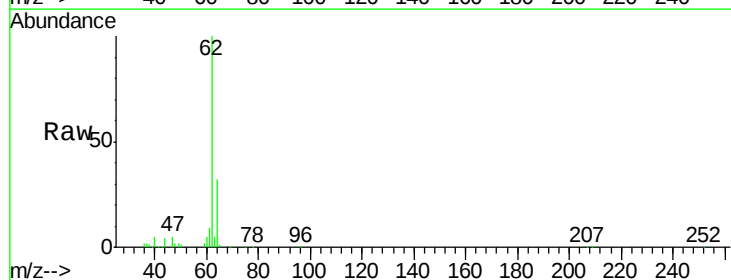
Acq: 07 Jul 2020 14:34

Tgt Ion: 62 Resp: 75637

Ion Ratio Lower Upper

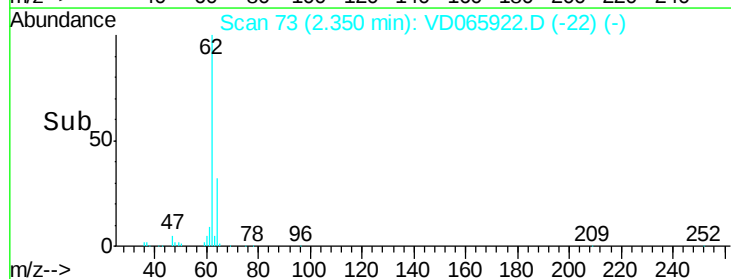
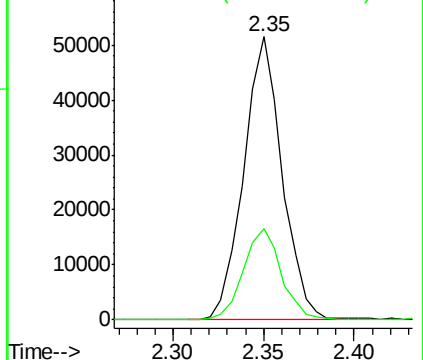
62 100

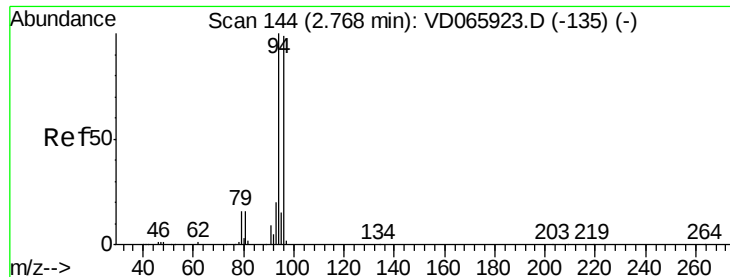
64 32.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.036 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

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Tot Ion: 94 Resp: 47178

Ion Ratio Lower Upper

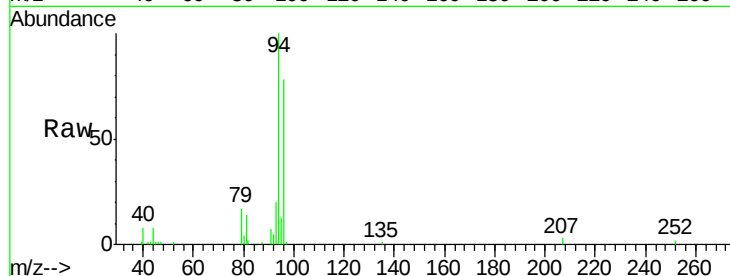
94 100

96 77.7 78.8 118.2#

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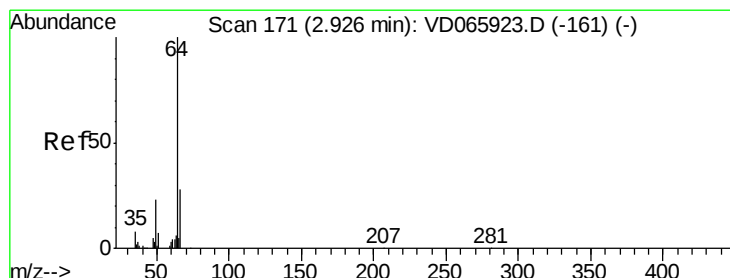
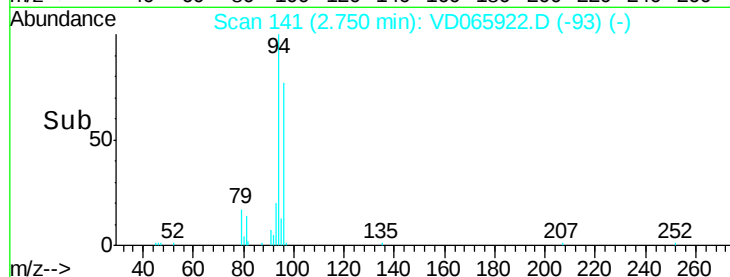
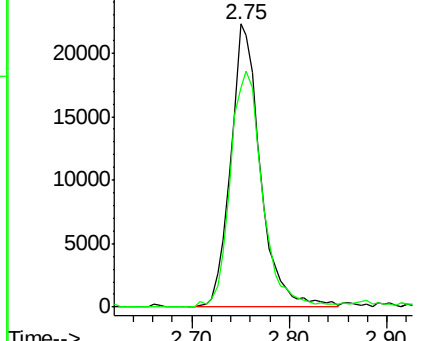
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.465 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065922.D

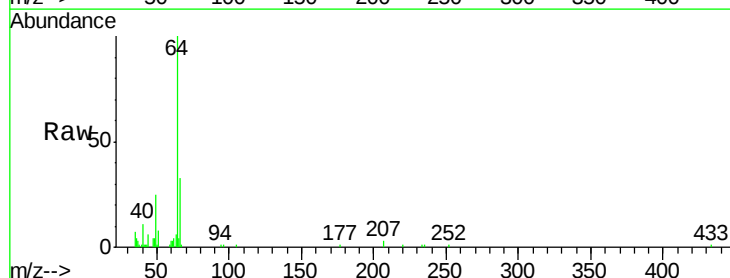
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Tgt Ion: 64 Resp: 45431

Ion Ratio Lower Upper

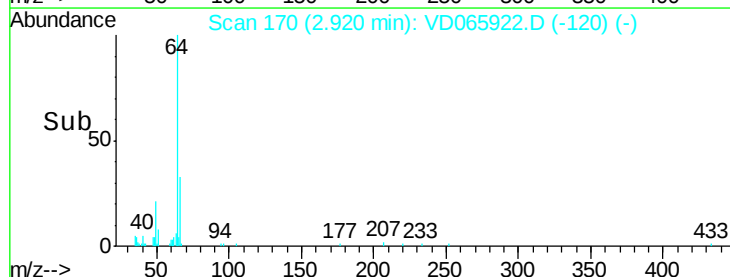
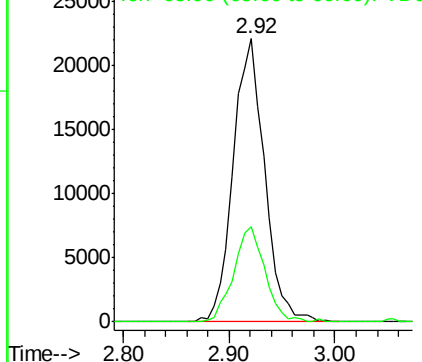
64 100

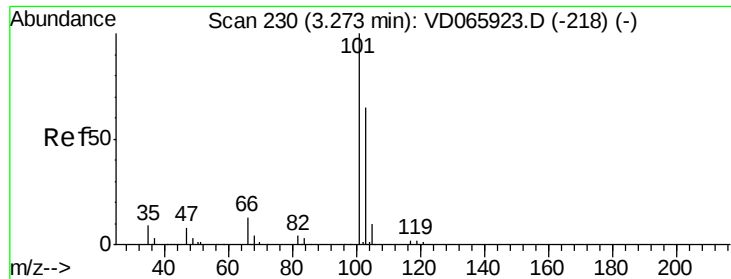
66 33.4 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

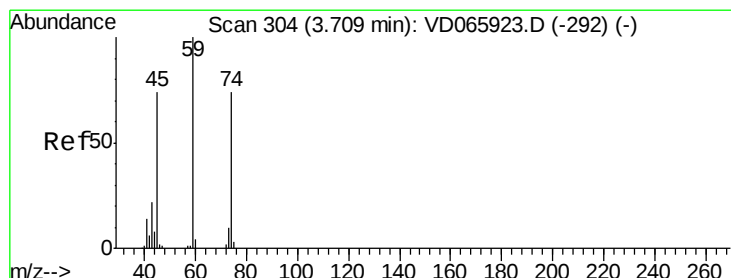
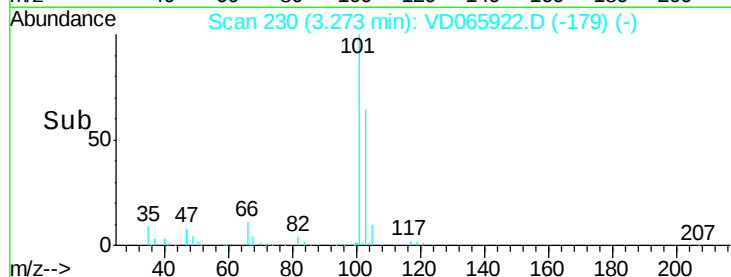
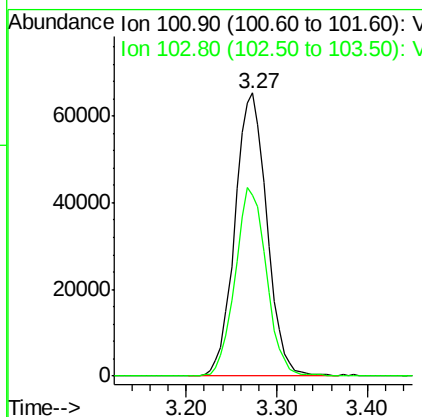
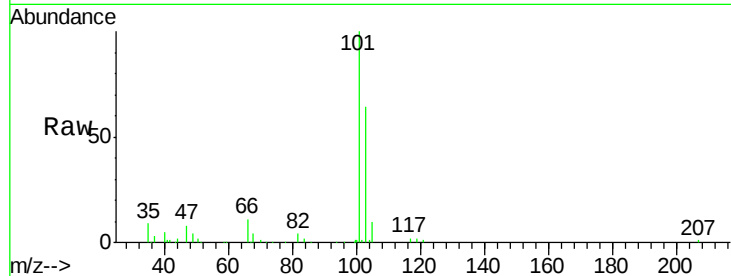
Trichlorofluoromethane
 Concen: 21.062 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.7	77.5

Manual Integrations
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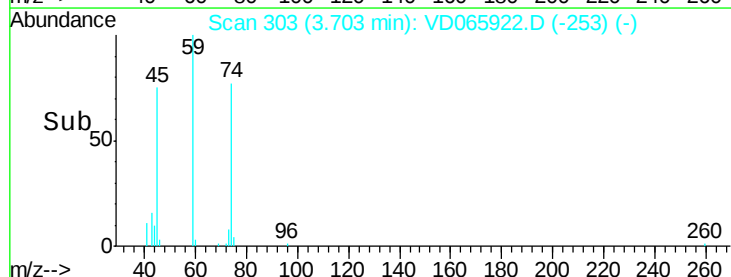
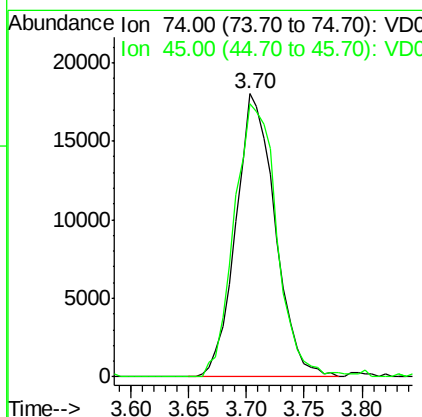
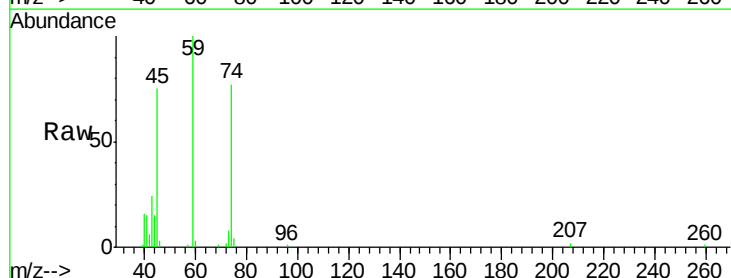
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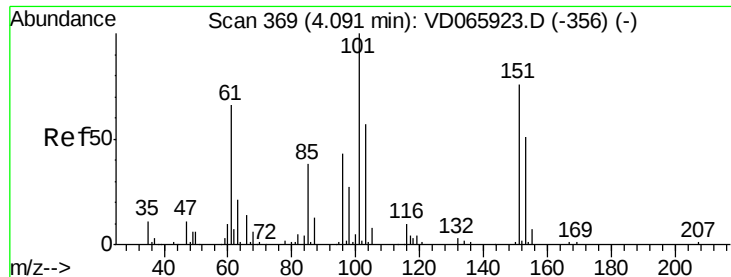


#8

Diethyl Ether
 Concen: 20.450 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.914 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

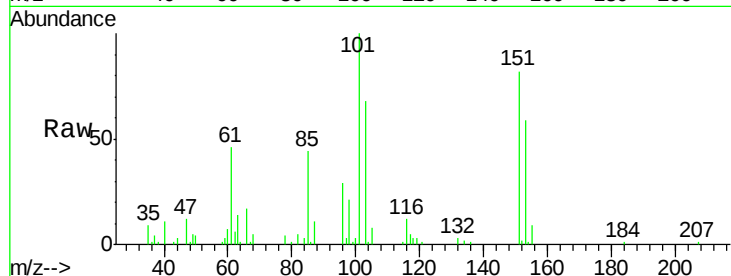
ClientSampleId :

VSTDIC020

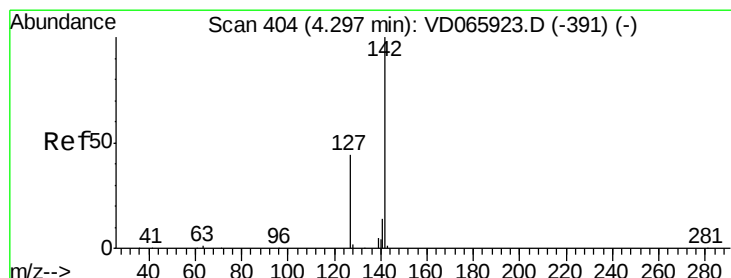
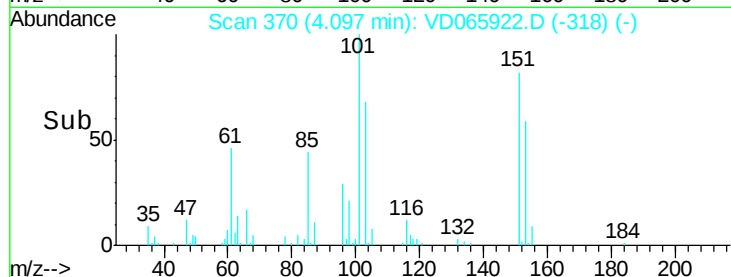
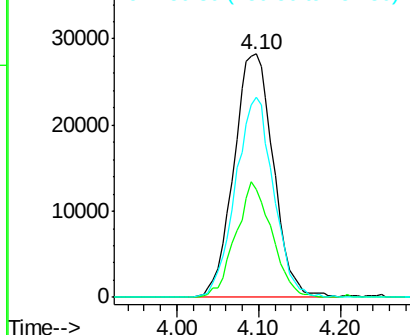
Tot Ion:	101	Resp:	94930
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.8	50.8
151	78.9	64.1	96.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.906 ug/l

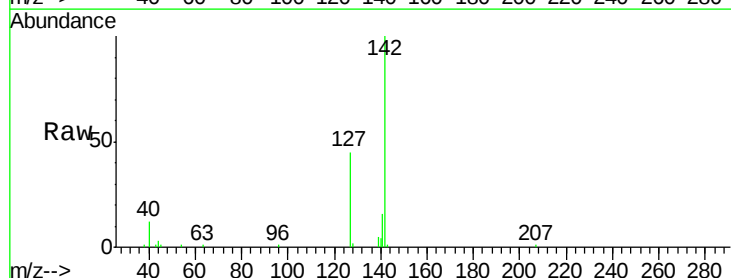
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

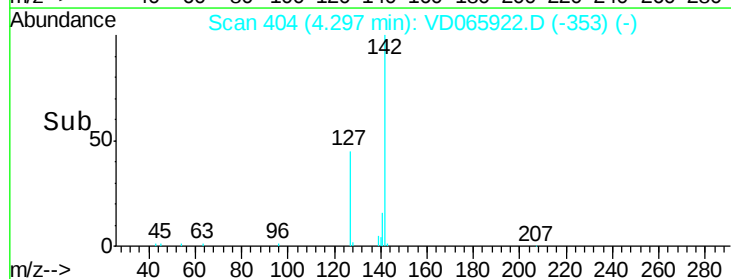
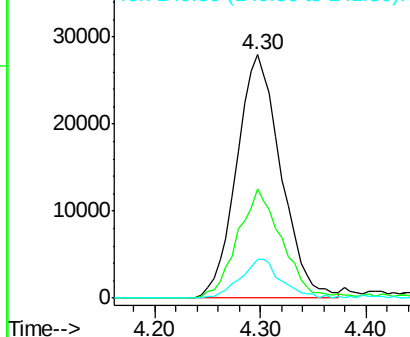
Lab File: VD065922.D

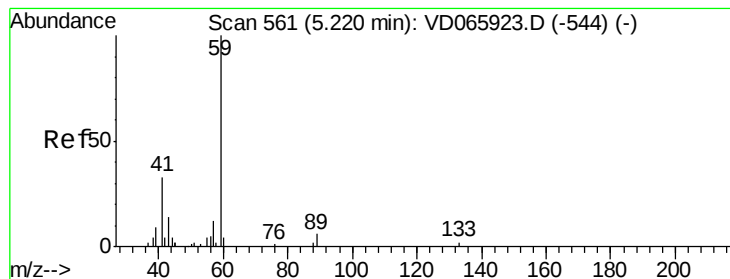
Acq: 07 Jul 2020 14:34

Tgt Ion:	142	Resp:	81500
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.6	51.8
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

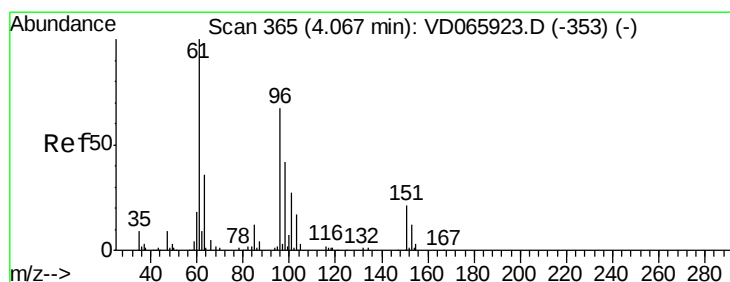
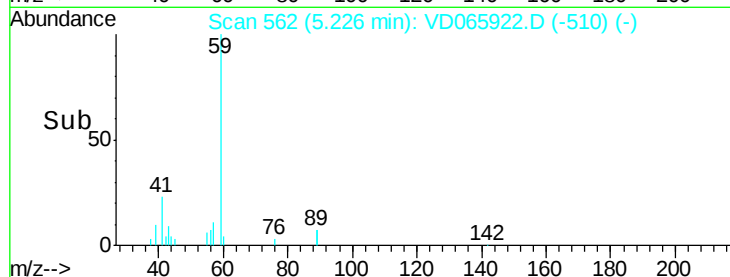
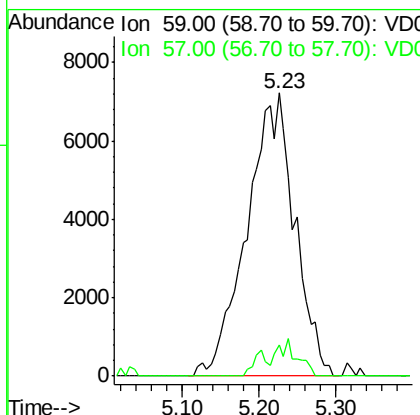
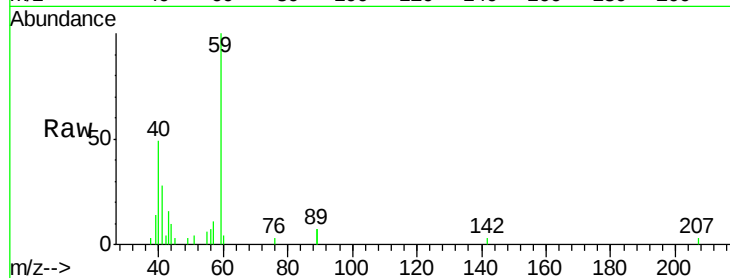
Tert butyl alcohol
Concen: 113.249 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	0.0	Resp	31109	Lower	Upper
59	100								
57		0.0					8.7		13.1#

Manual Integrations
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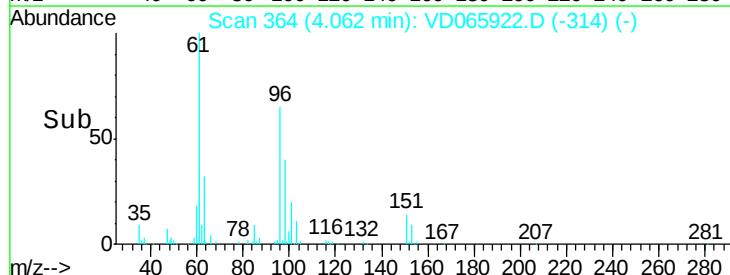
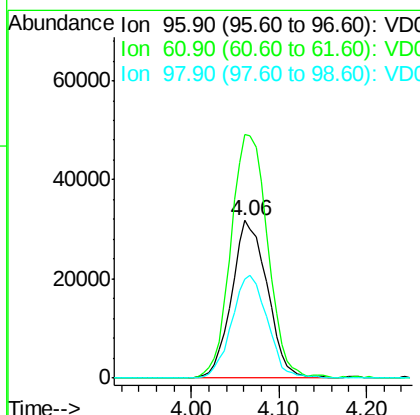
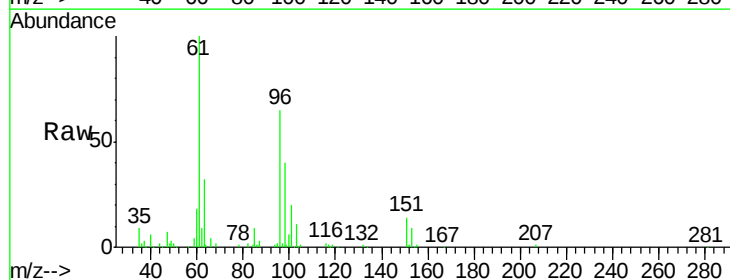
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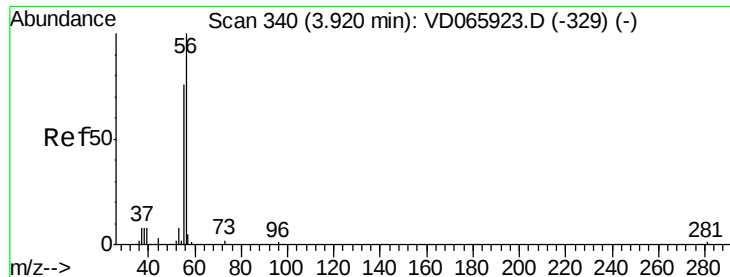


#12

1,1-Dichloroethene
Concen: 20.730 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	96	61	98	Ratio	100	154.8	62.7	Resp	87905	Lower	Upper
96	100										
61		154.8							120.2		180.2
98		62.7							50.6		76.0





#13

Acrolein

Concen: 122.261 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 27971

Ion Ratio Lower Upper

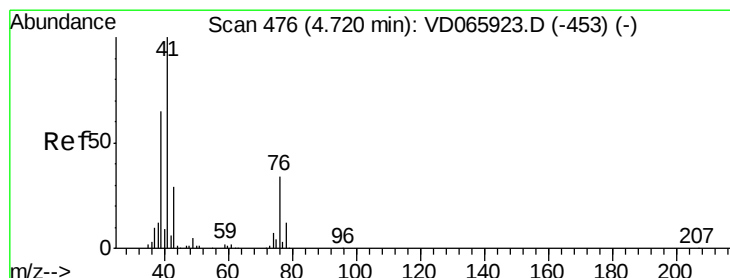
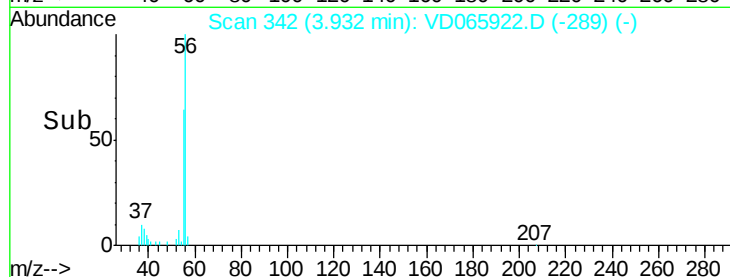
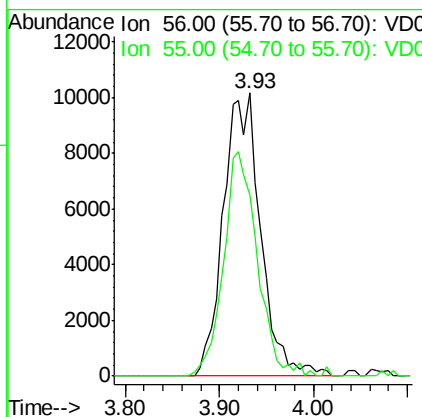
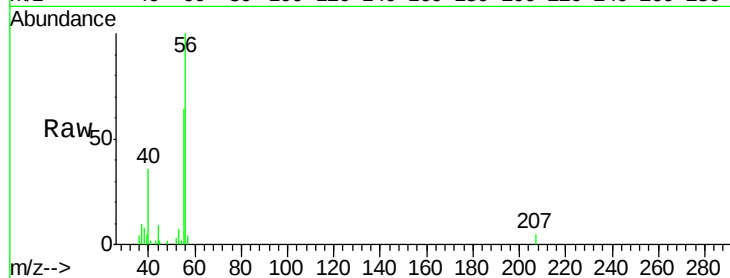
56 100

55 71.9 55.0 82.6

Manual Integrations
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#14

Allyl chloride

Concen: 20.701 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

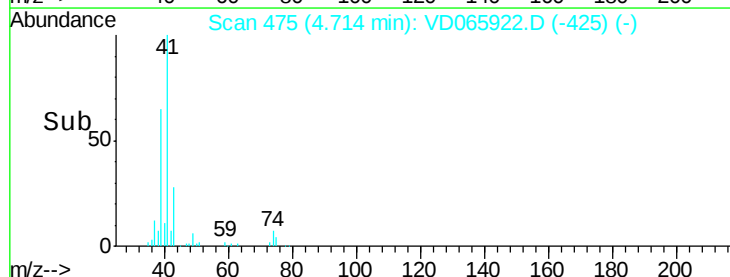
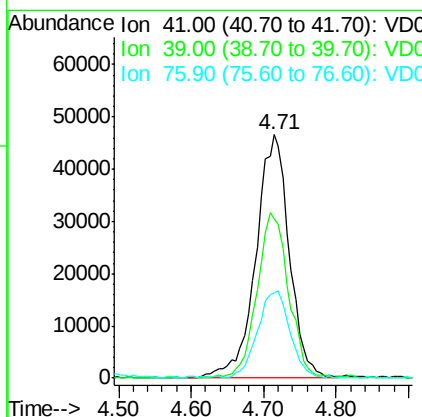
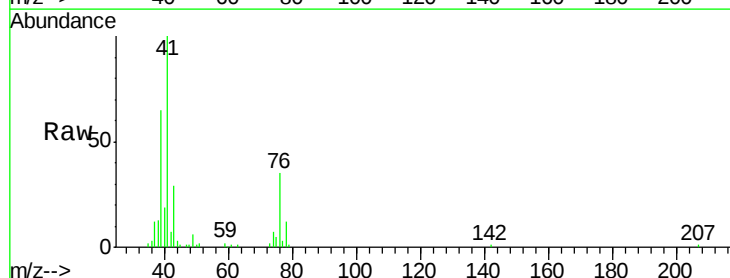
Tgt Ion: 41 Resp: 148761

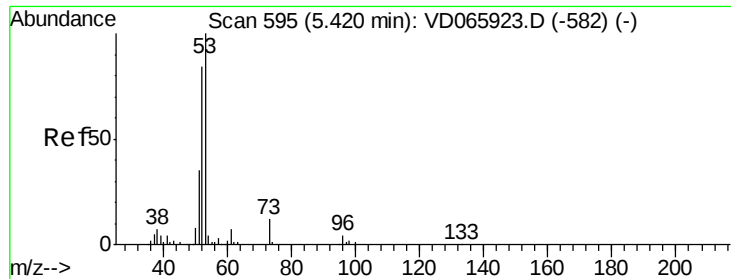
Ion Ratio Lower Upper

41 100

39 64.7 52.2 78.4

76 34.9 28.1 42.1





#15

Acrylonitrile

Concen: 104.230 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

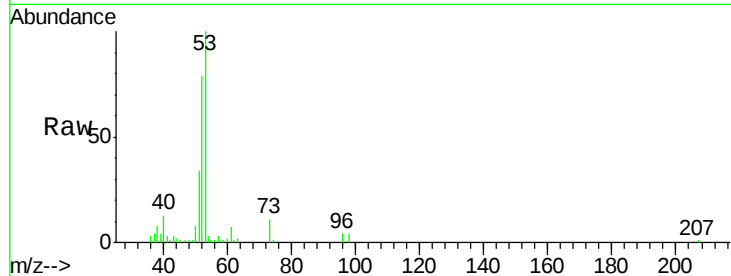
ClientSampleId :

VSTDIC020

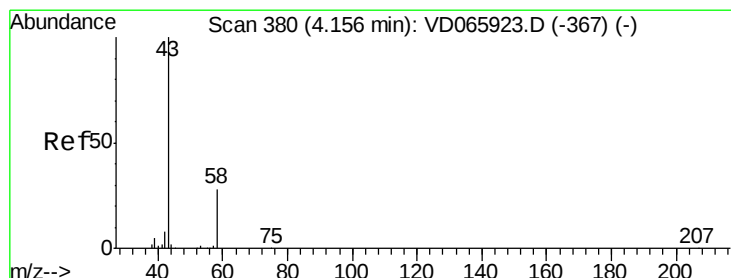
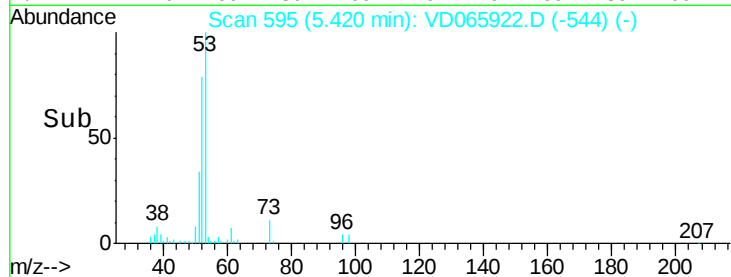
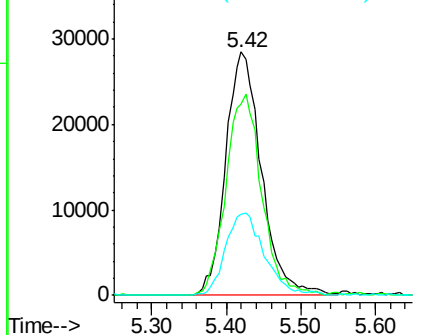
Tot Ion:	53	Resp:	95004
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.3	99.5
51	36.3	29.8	44.8

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.590 ug/l

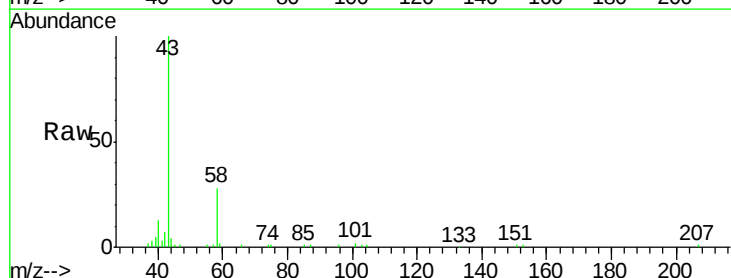
RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

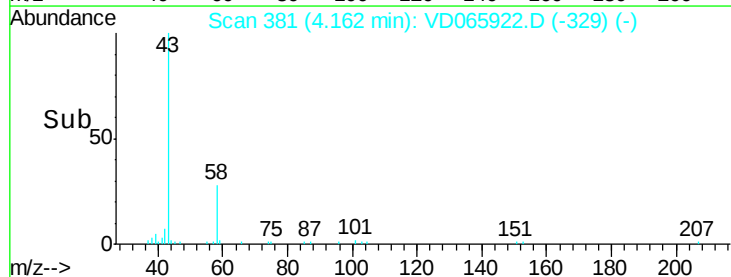
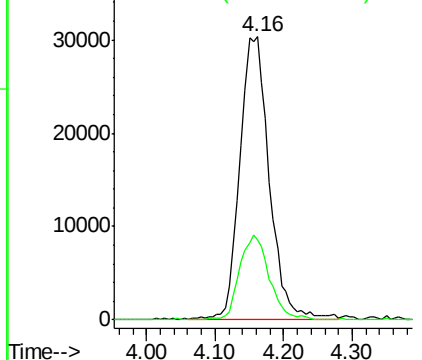
Lab File: VD065922.D

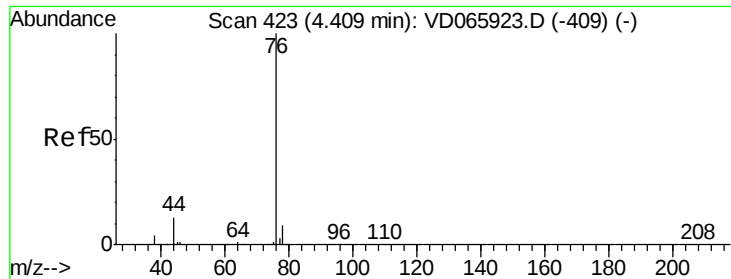
Acq: 07 Jul 2020 14:34

Tgt Ion:	43	Resp:	91413
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.7	34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.937 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 282893

Ion Ratio Lower Upper

76 100

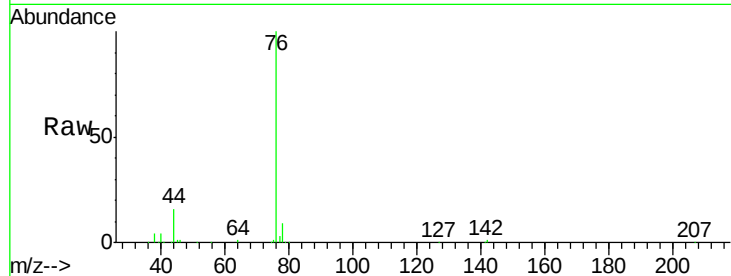
78 9.4 7.5 11.3

Manual Integrations

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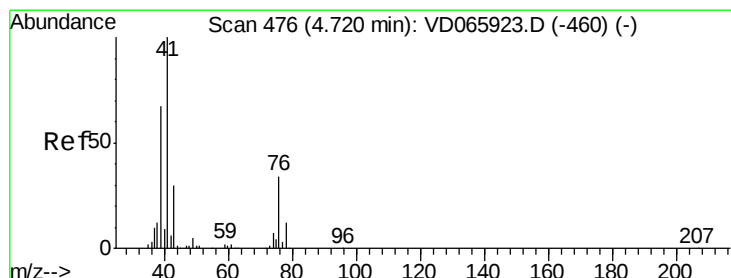
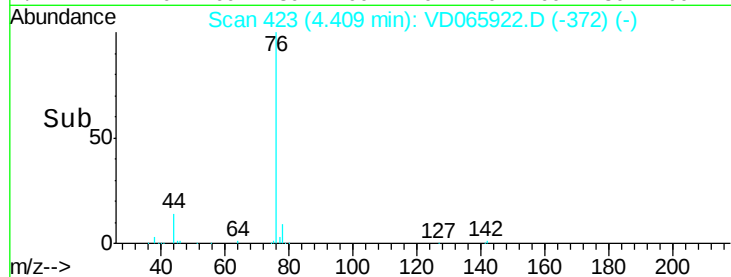
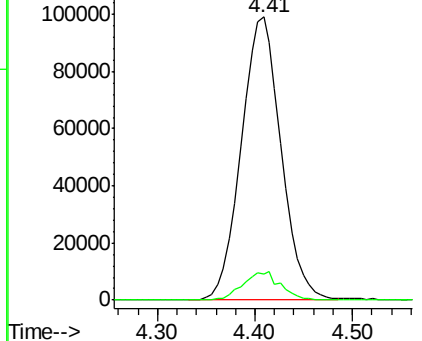
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.942 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065922.D

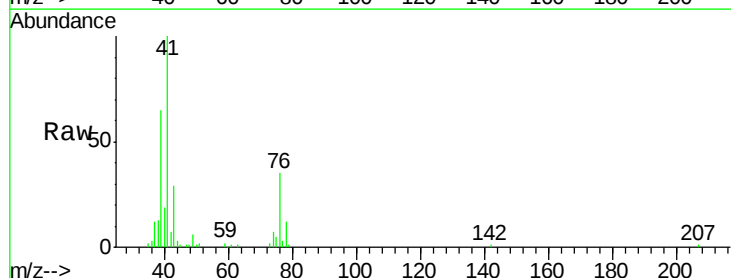
Acq: 07 Jul 2020 14:34

Tgt Ion: 43 Resp: 42482

Ion Ratio Lower Upper

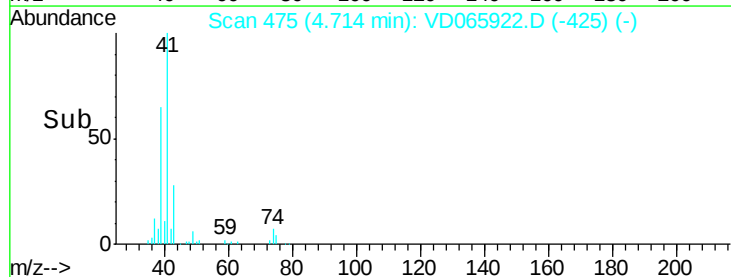
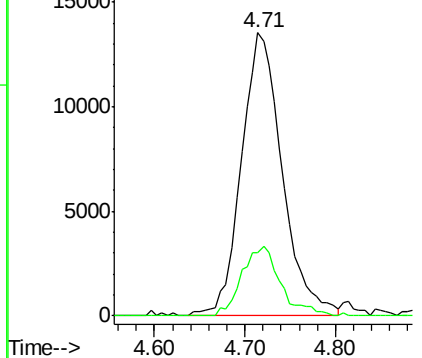
43 100

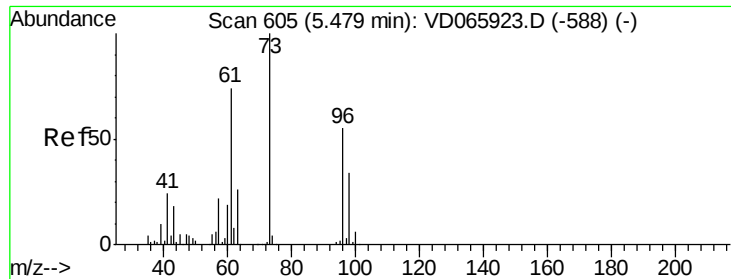
74 23.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





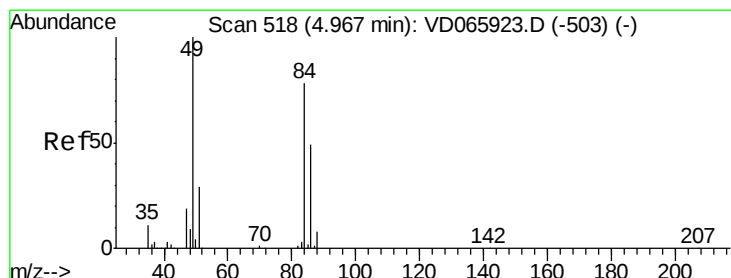
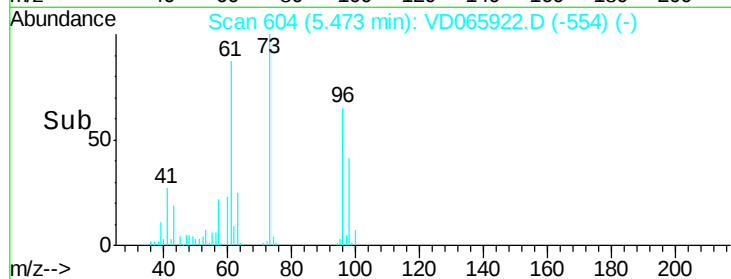
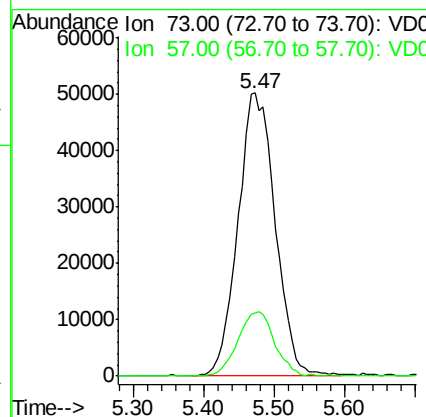
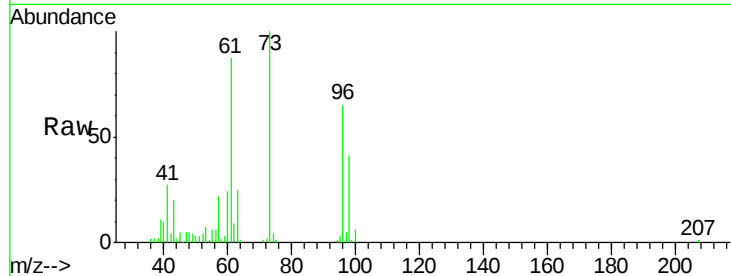
#19
Methyl tert-butyl Ether
Concen: 20.545 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 184441
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

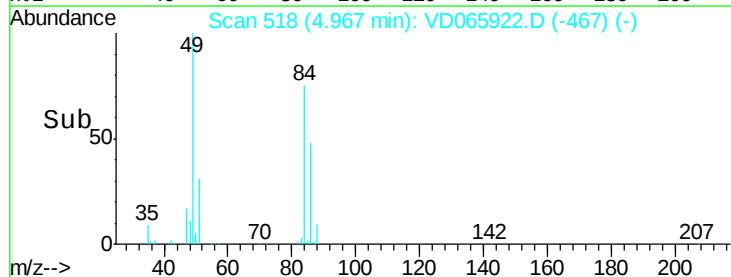
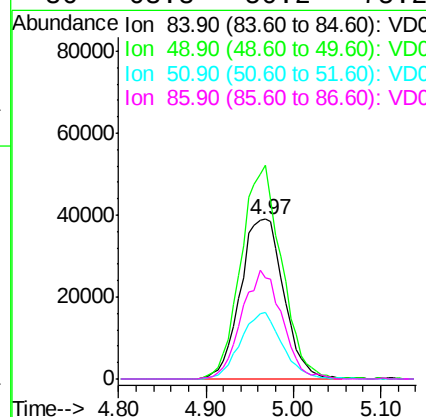
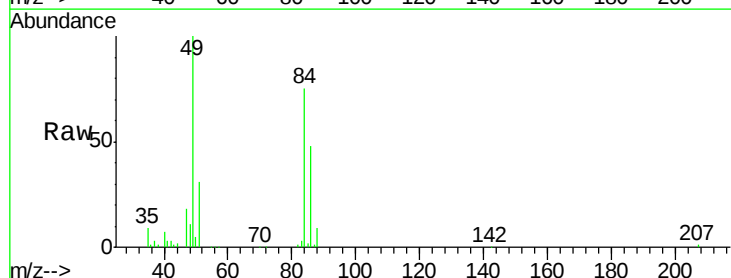
Manual Integrations
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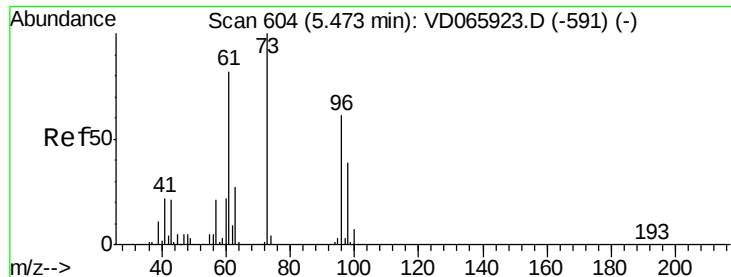
MMDadoda
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#20
Methylene Chloride
Concen: 20.353 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 84 Resp: 131388
Ion Ratio Lower Upper
84 100
49 133.9 102.2 153.2
51 41.9 29.8 44.6
86 63.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.436 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

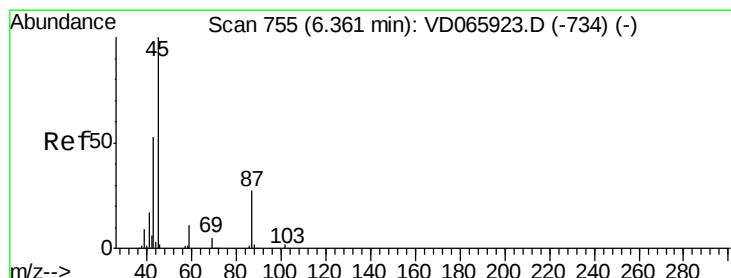
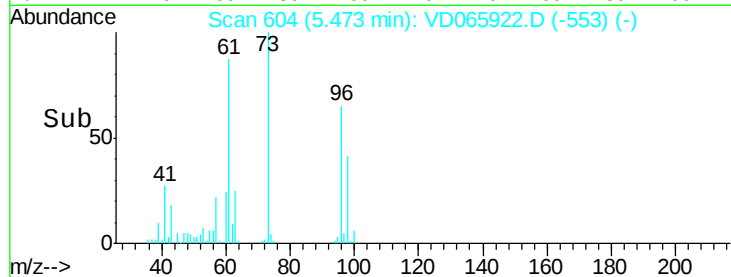
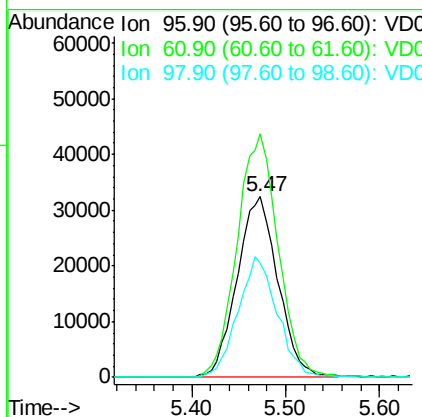
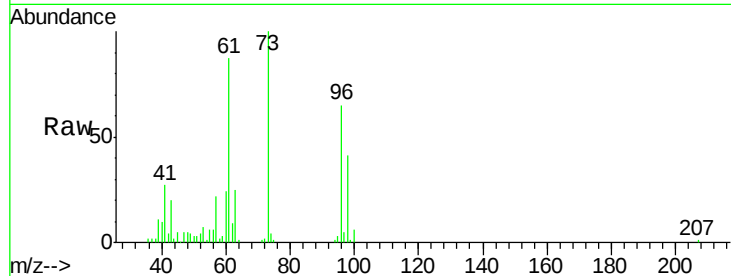
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	97500
Ion	Ratio	Lower	Upper
96	100		
61	134.9	106.6	160.0
98	63.5	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.840 ug/l

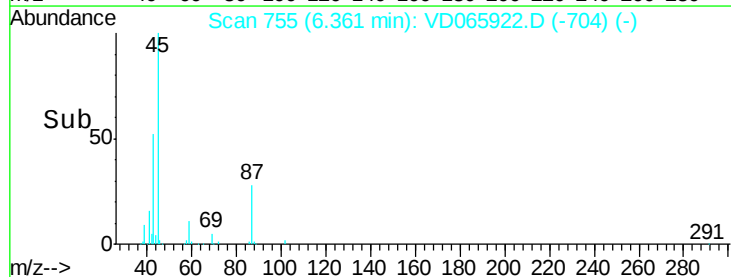
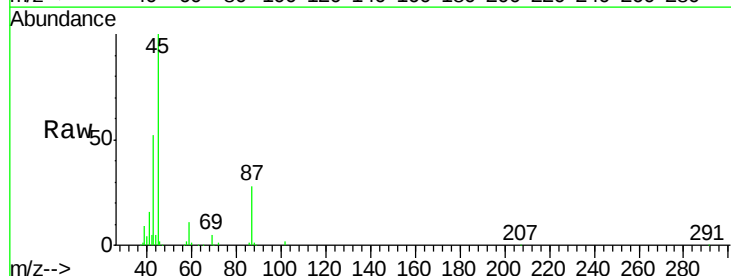
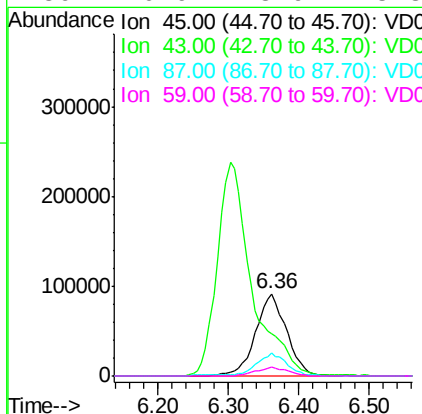
RT: 6.36 min Scan# 755

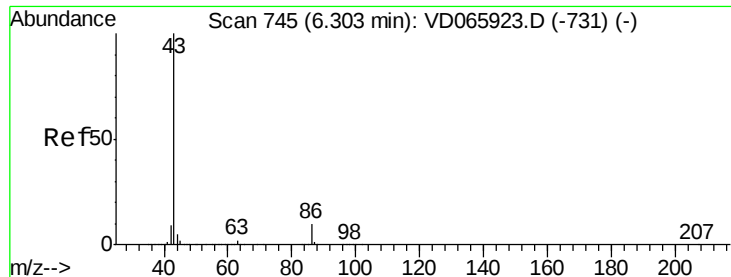
Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion:	45	Resp:	281433
Ion	Ratio	Lower	Upper
45	100		
43	50.5	42.5	63.7
87	27.9	22.2	33.2
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 105.013 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 809482

Ion Ratio Lower Upper

43 100

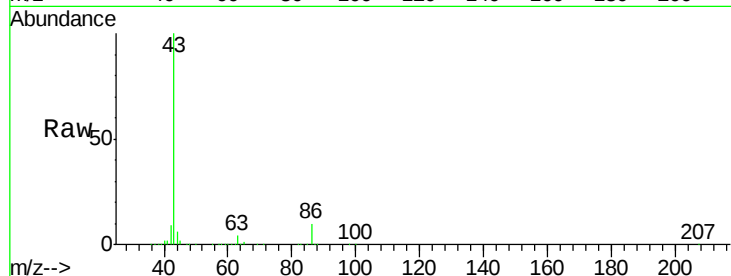
86 10.5 8.1 12.1

Manual Integrations

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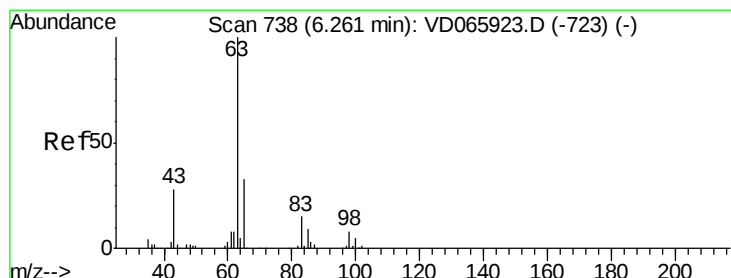
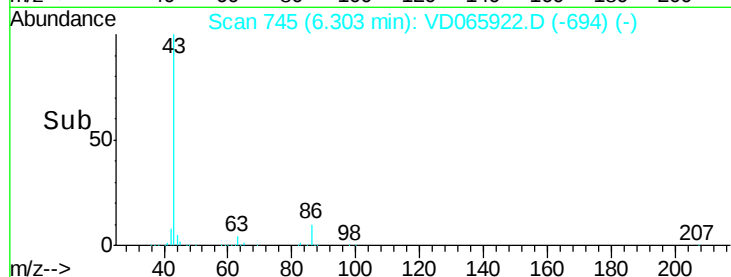
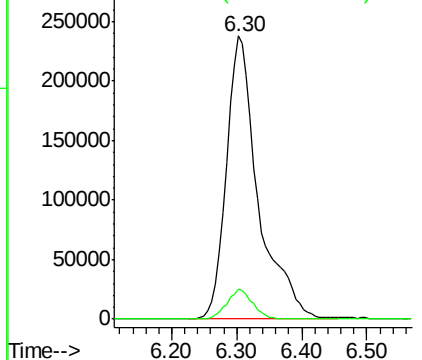
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.602 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

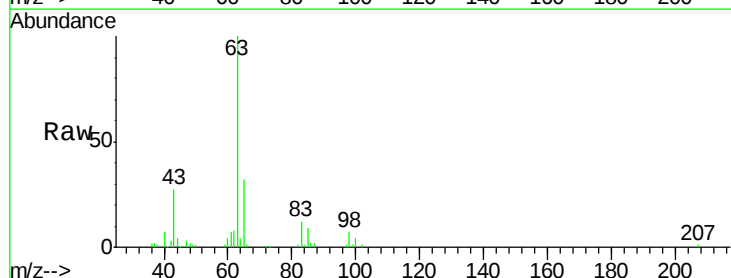
Tgt Ion: 63 Resp: 165903

Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

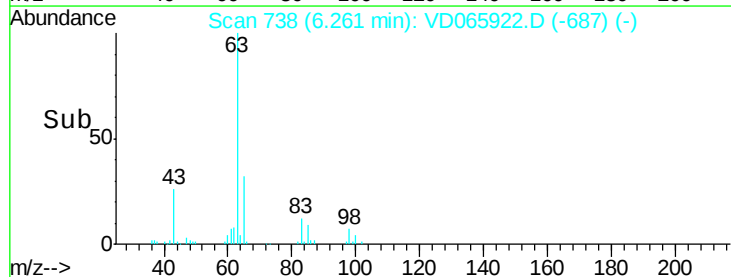
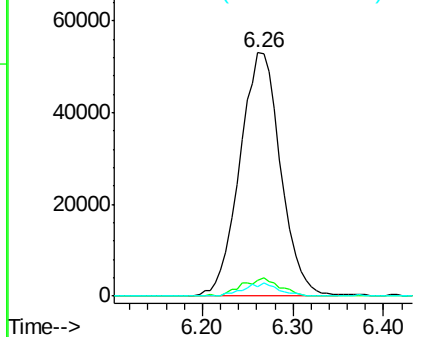
100 4.0 2.5 7.5

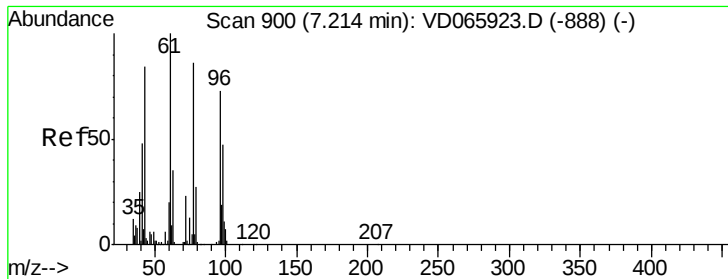


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.809 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 119856

Ion Ratio Lower Upper

43 100

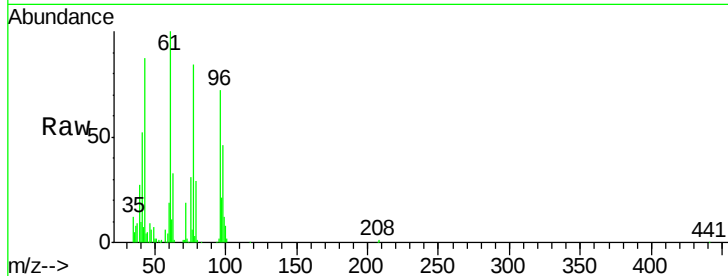
72 22.2 22.1 33.1

Manual Integrations

APPROVED

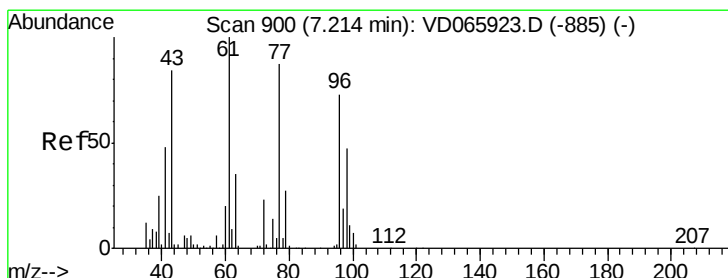
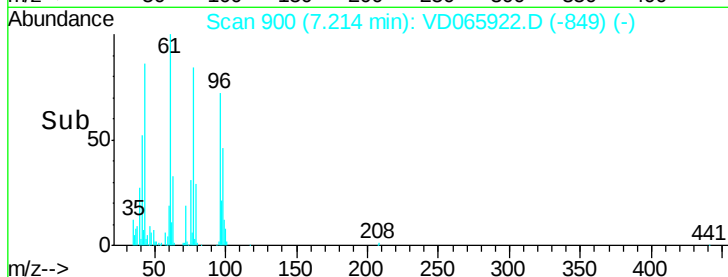
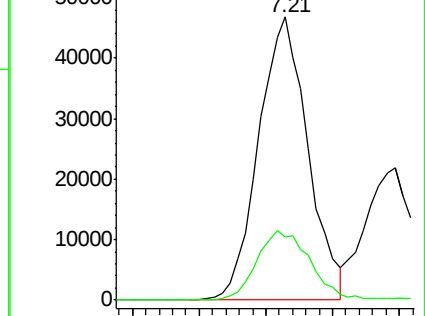
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.357 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065922.D

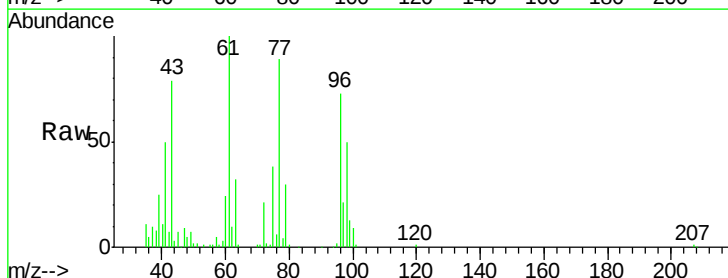
Acq: 07 Jul 2020 14:34

Tgt Ion: 77 Resp: 143409

Ion Ratio Lower Upper

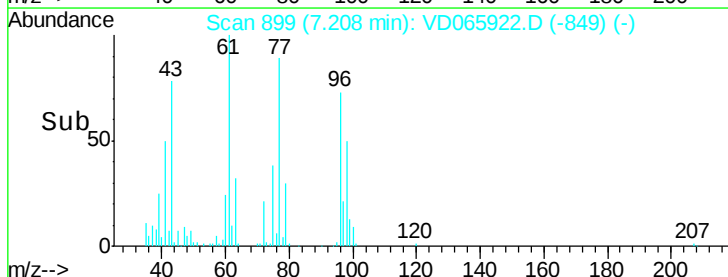
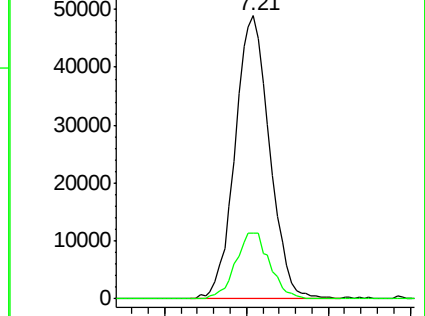
77 100

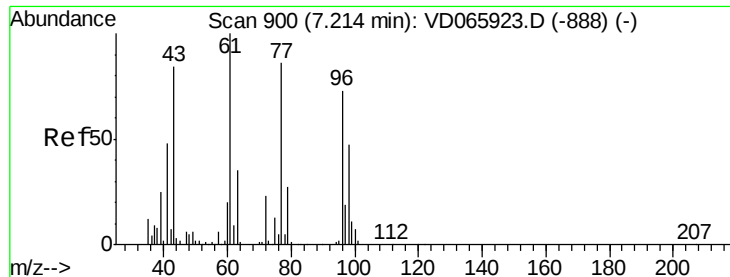
97 23.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

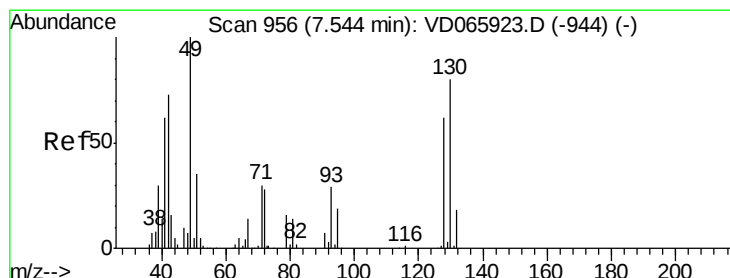
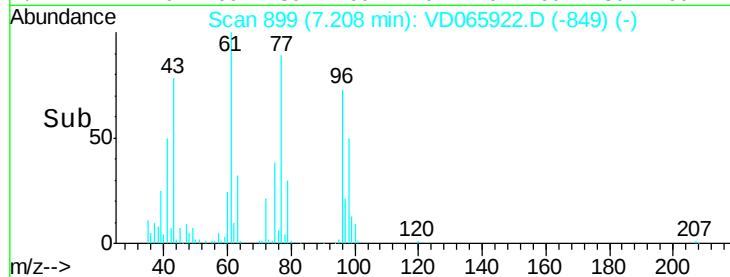
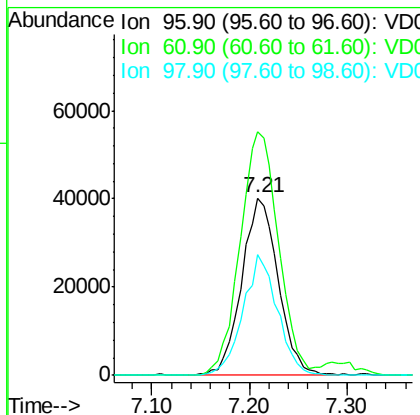
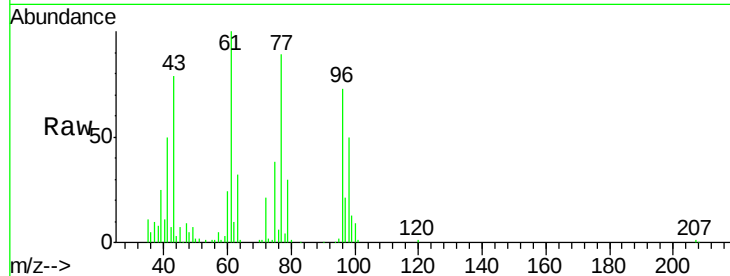
cis-1,2-Dichloroethene
 Concen: 20.466 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	104911		
61	145.7		0.0	286.6
98	64.4		0.0	128.2

Manual Integrations
 APPROVED

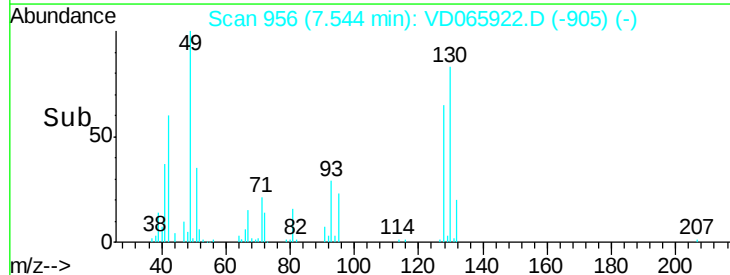
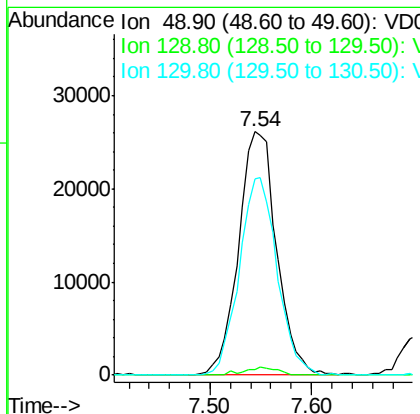
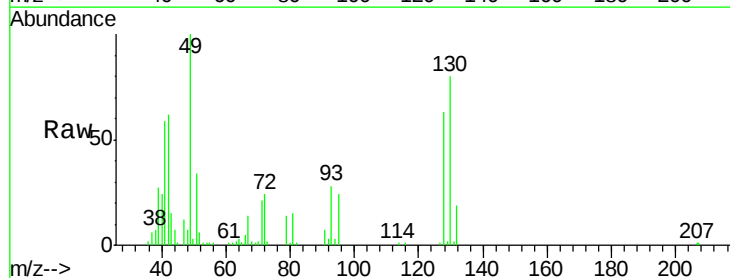
MMDadoda
 7/8/2020 12:05:33 PM

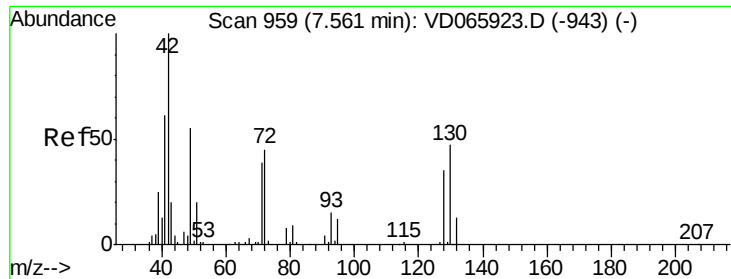


#28

Bromochloromethane
 Concen: 22.341 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67961		
129	2.7		0.0	4.8
130	80.6		65.8	98.8





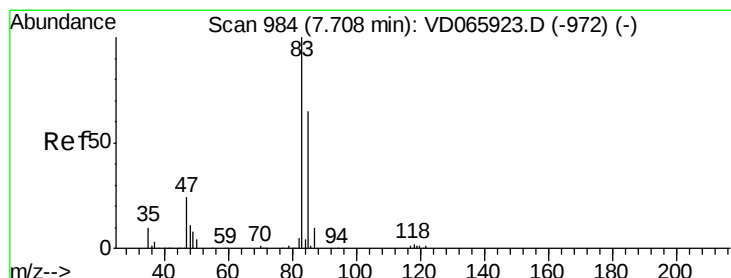
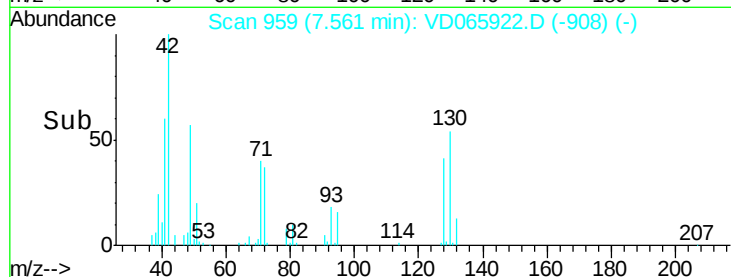
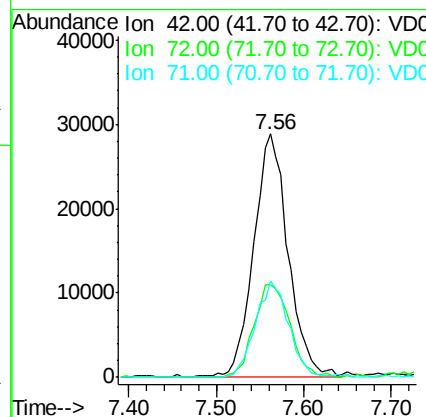
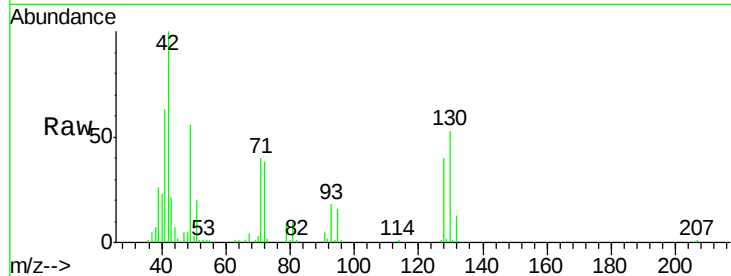
#29
Tetrahydrofuran
Concen: 101.920 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.8	49.2
71	37.8	31.0	46.4

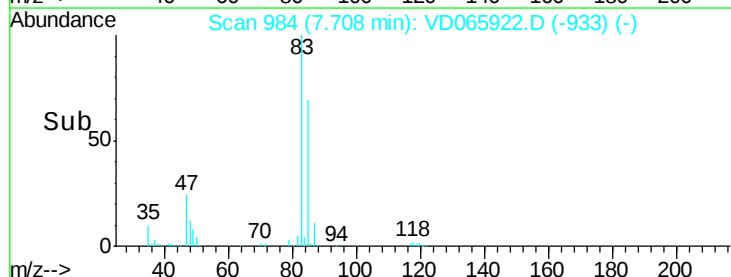
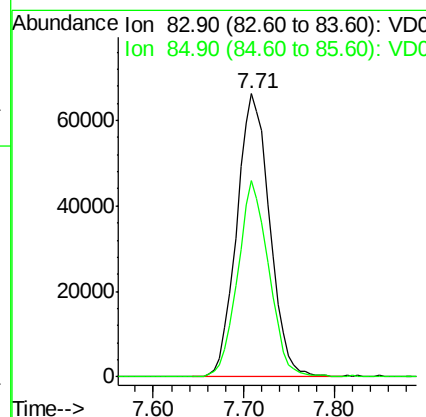
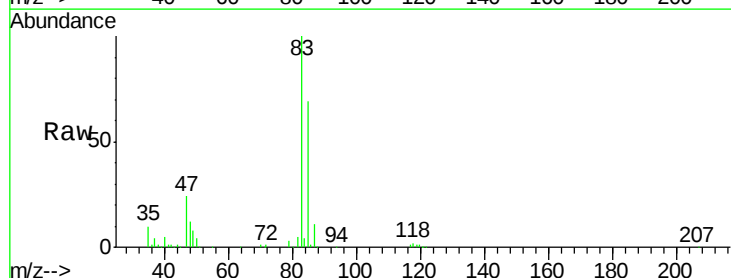
Manual Integrations
APPROVED

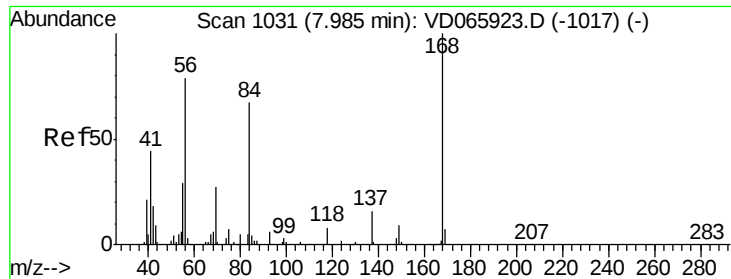
MMDadoda
7/8/2020 12:05:33 PM



#30
Chloroform
Concen: 20.472 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	51.6	77.4





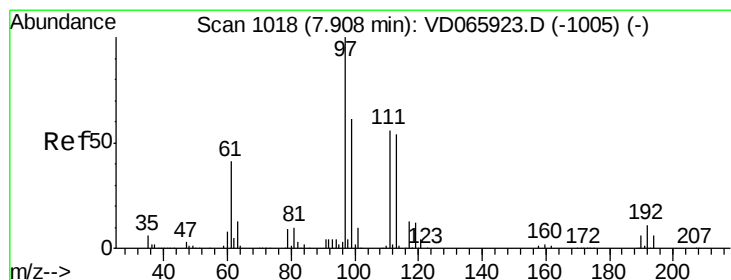
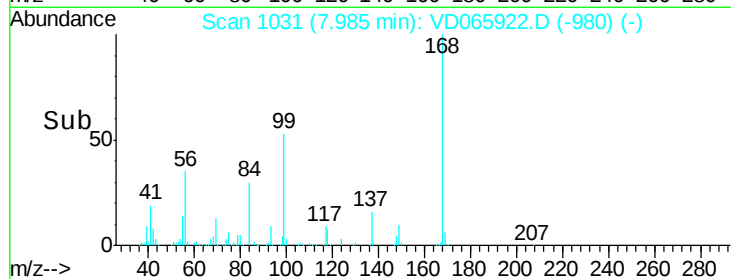
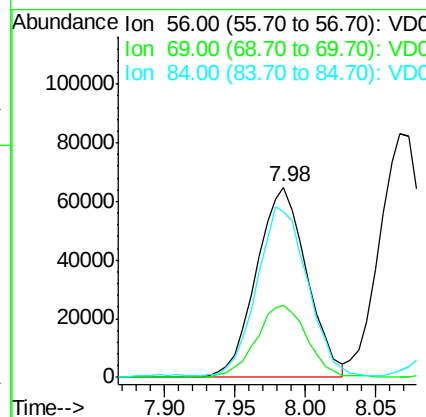
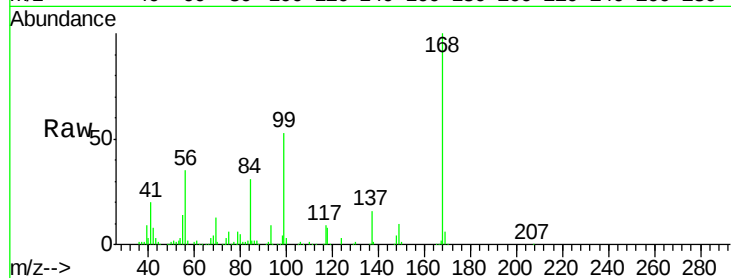
#31
Cyclohexane
Concen: 20.461 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.7	27.4	41.0	
84	86.0	68.6	102.8	

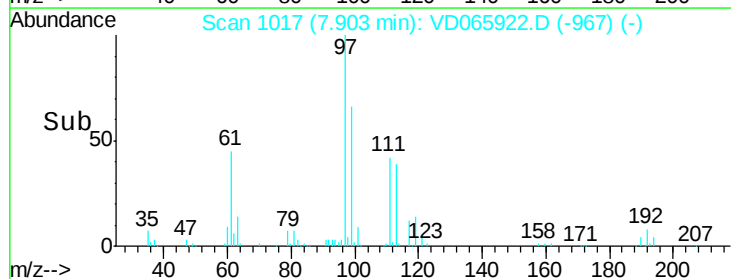
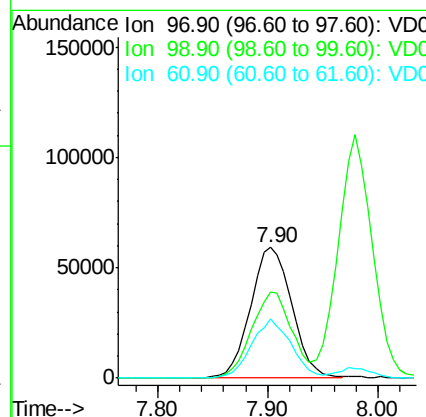
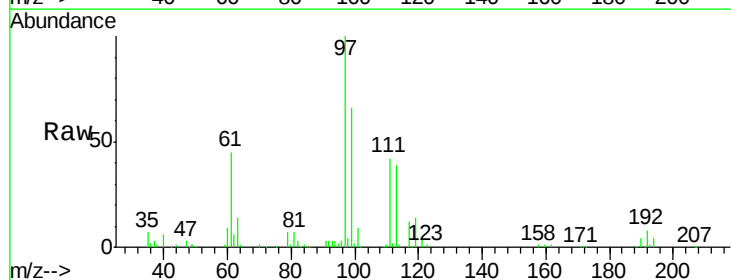
Manual Integrations
APPROVED

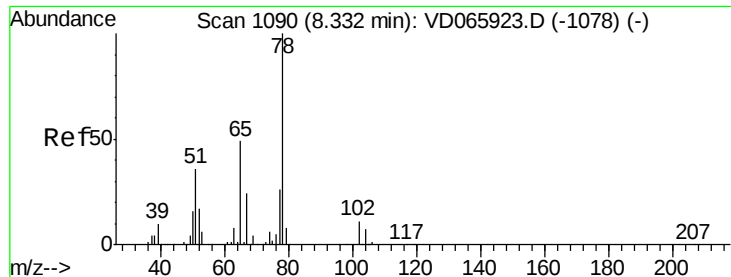
MMDadoda
7/8/2020 12:05:33 PM



#32
1,1,1-Trichloroethane
Concen: 20.869 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.1	51.6	77.4	
61	43.2	33.6	50.4	





#33

1,2-Dichloroethane-d4

Concen: 20.590 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 79842

Ion Ratio Lower Upper

65 100

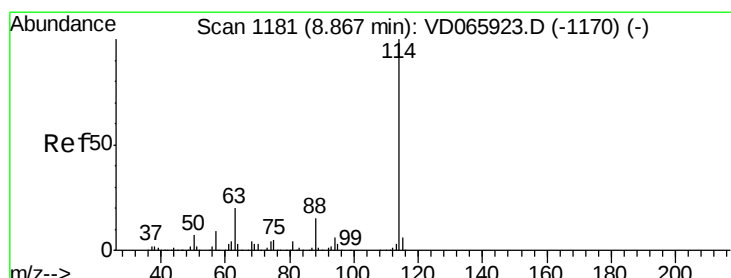
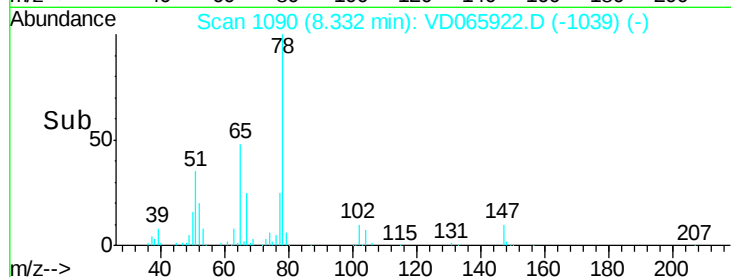
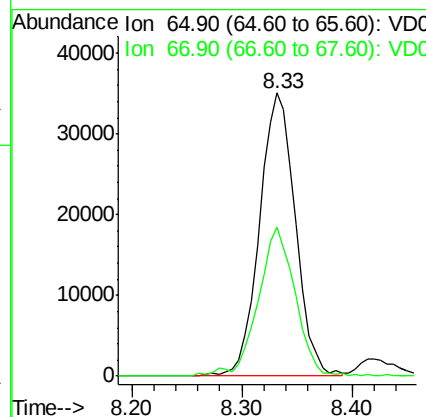
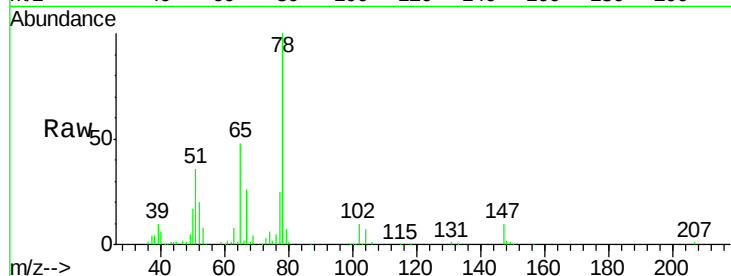
67 54.3 0.0 105.6

Manual Integrations

APPROVED

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7/8/2020 12:05:33 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

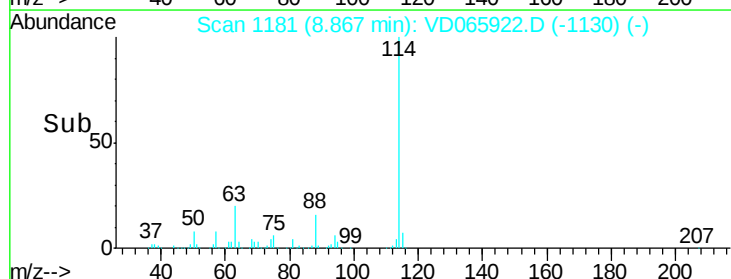
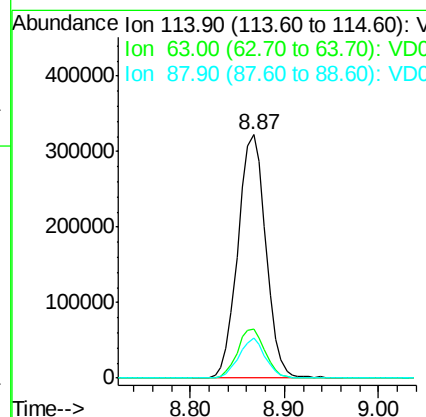
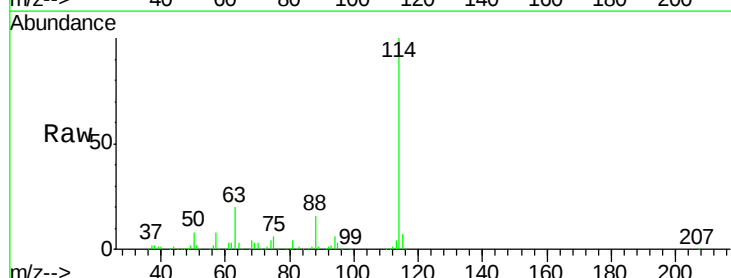
Tgt Ion: 114 Resp: 665987

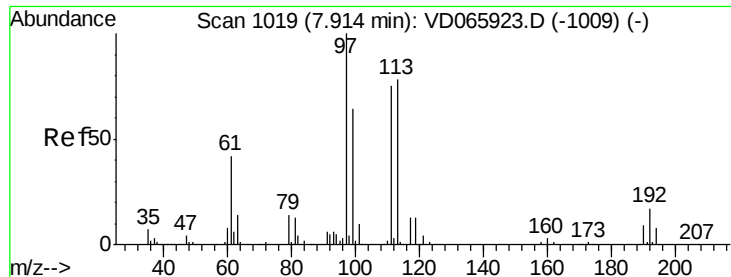
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

88 16.3 0.0 30.0





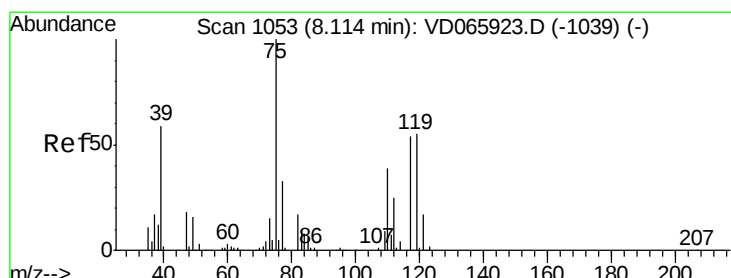
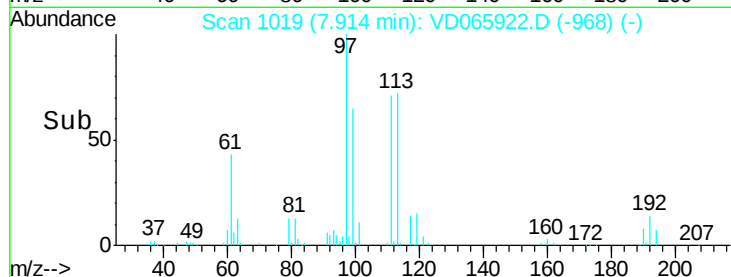
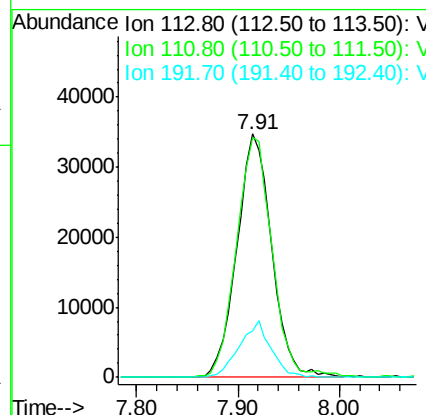
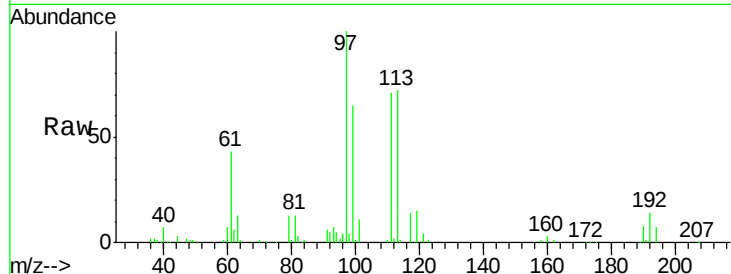
#35
 Dibromofluoromethane
 Concen: 20.171 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.9	121.3
192	21.0	17.1	25.7

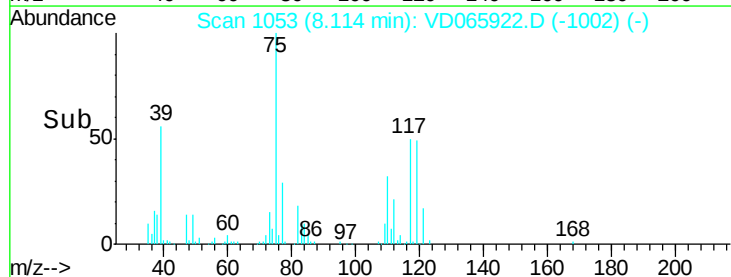
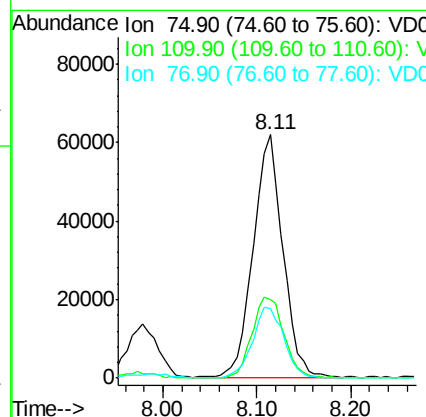
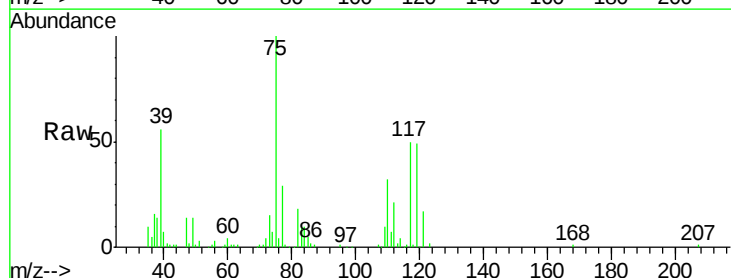
Manual Integrations
 APPROVED

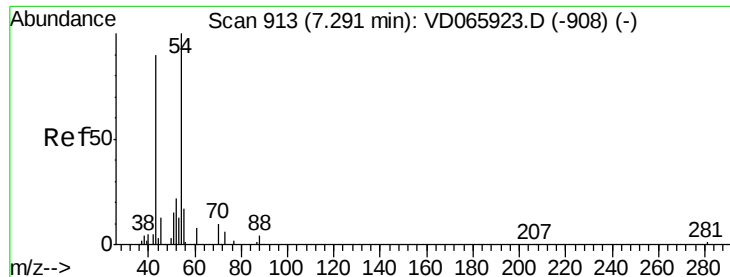
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.575 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.5	55.5
77	30.9	25.6	38.4





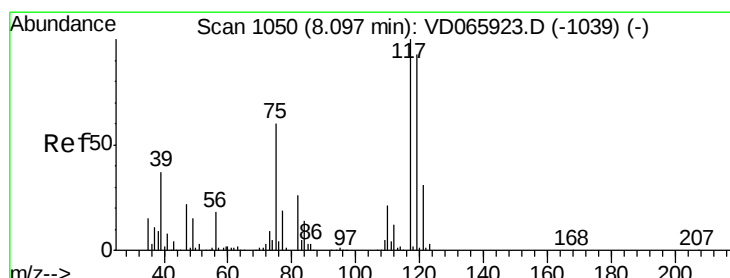
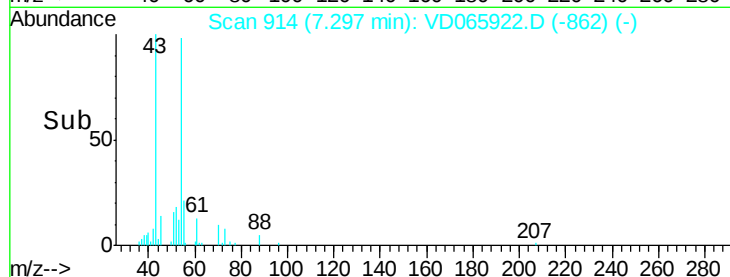
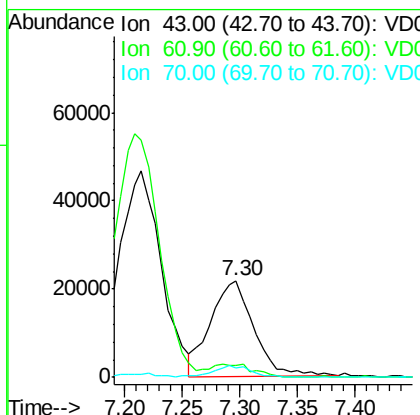
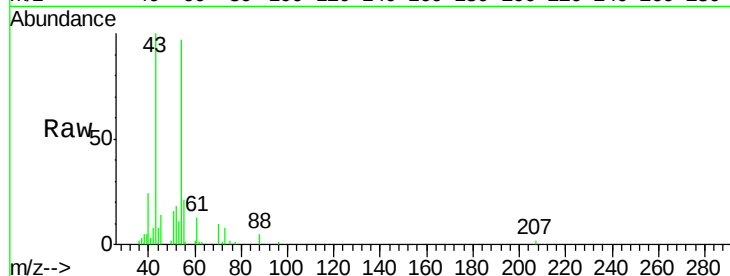
#37
Ethyl Acetate
Concen: 20.529 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.4	14.0
70	10.5	8.3	12.5

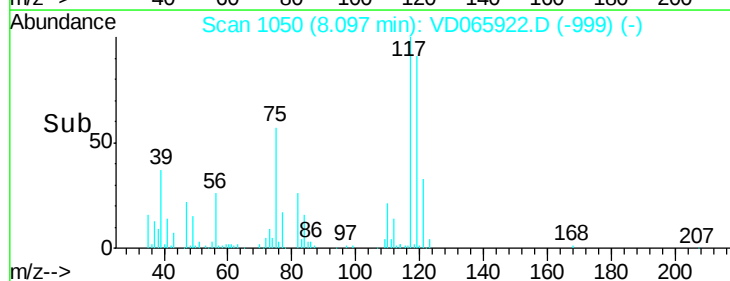
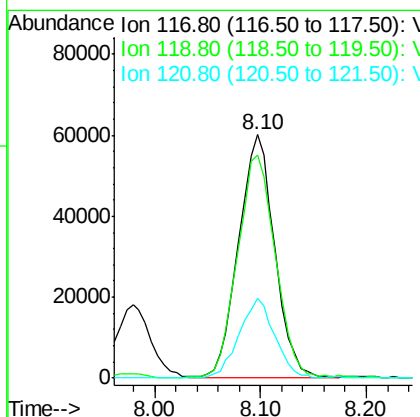
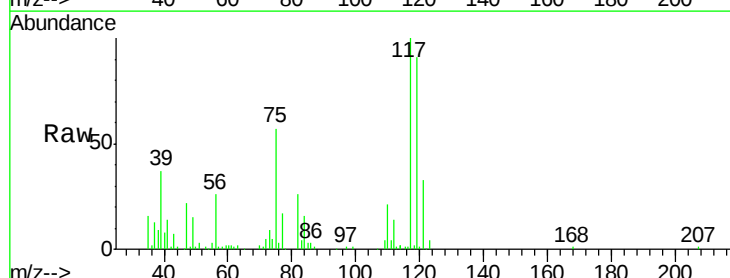
Manual Integrations
APPROVED

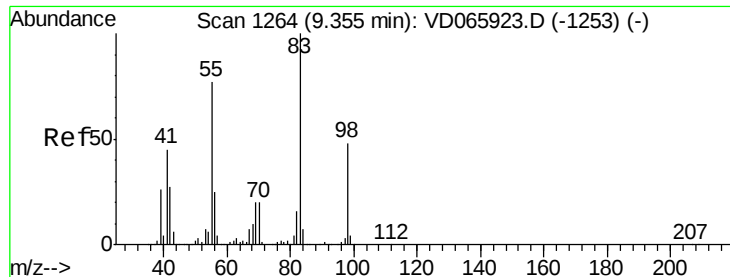
MMDadoda
7/8/2020 12:05:33 PM



#38
Carbon Tetrachloride
Concen: 20.124 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.7	112.1
121	32.9	24.9	37.3





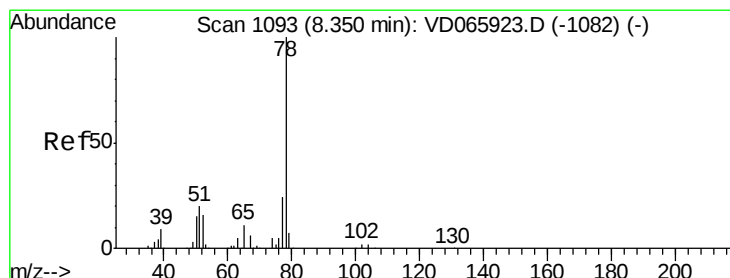
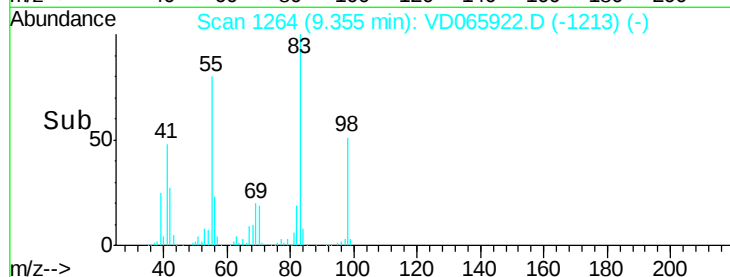
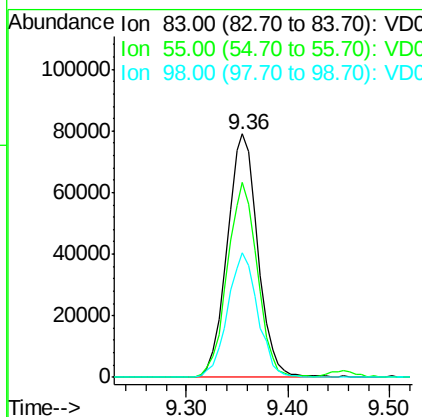
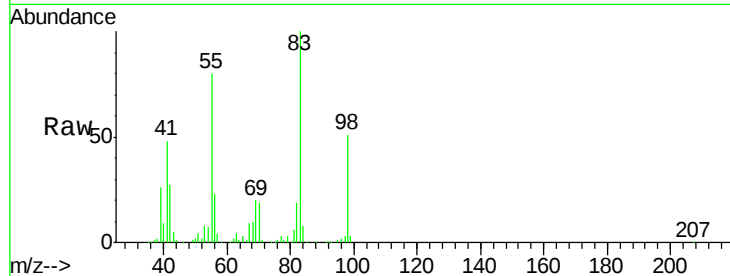
#39
Methvlcvclohexane
Concen: 20.470 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165301		
55	79.9		61.7	92.5
98	51.2		38.6	58.0

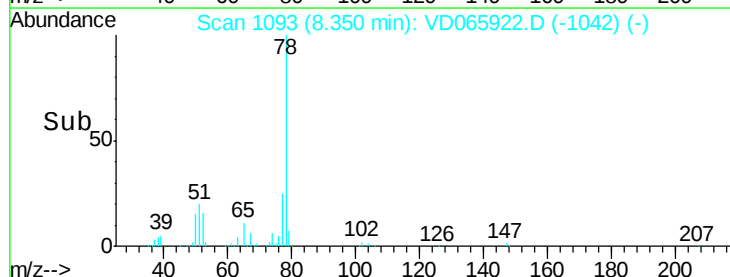
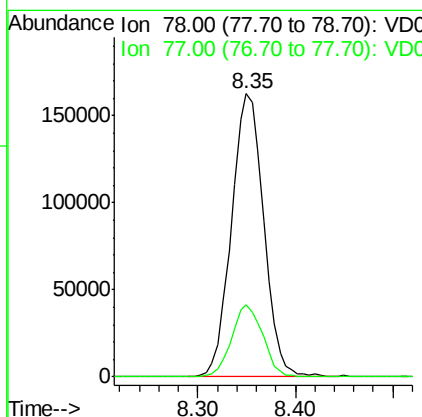
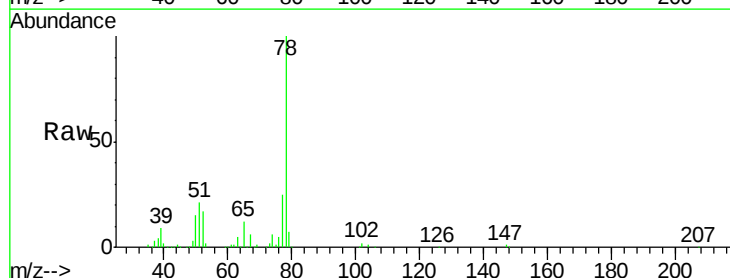
Manual Integrations
APPROVED

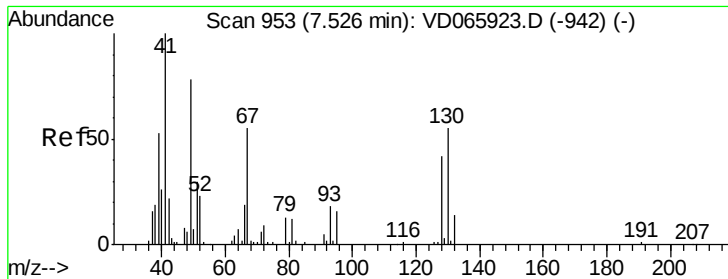
MMDadoda
7/8/2020 12:05:33 PM



#40
Benzene
Concen: 20.613 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	374573		
77	25.4		19.4	29.0





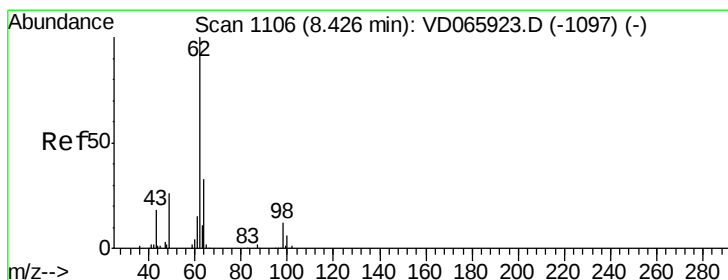
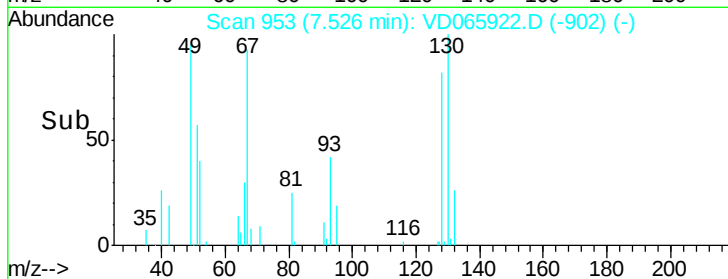
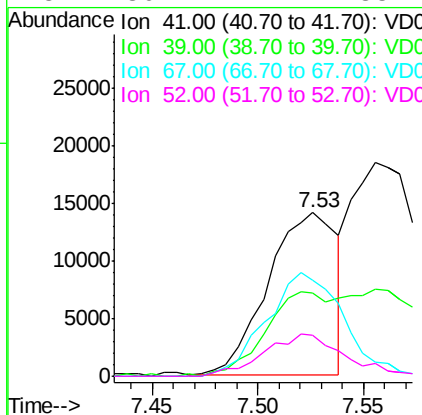
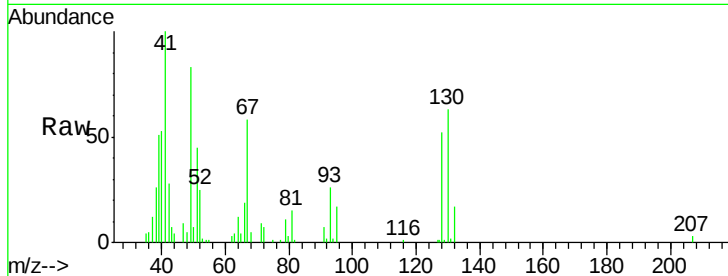
#41
Methacrylonitrile
Concen: 19.401 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	31780
Ion	Ratio	Lower	Upper
41	100		
39	46.1	42.4	63.6
67	71.6	53.6	80.4
52	30.1	22.2	33.2

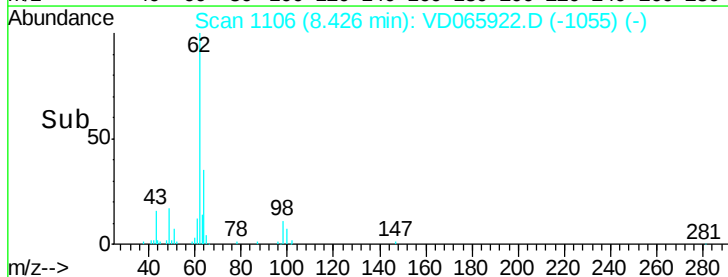
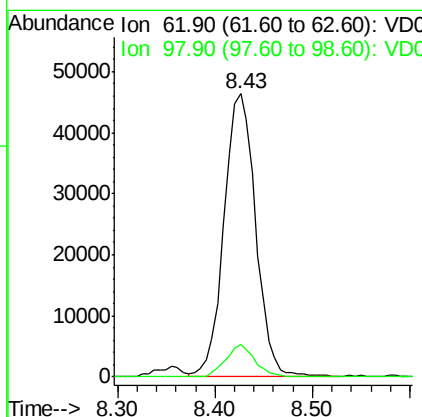
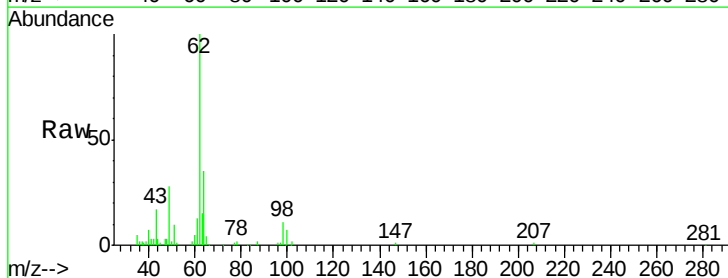
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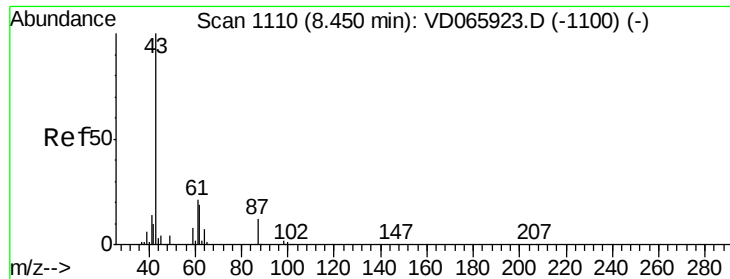
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.335 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	62	Resp	104682
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.126 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

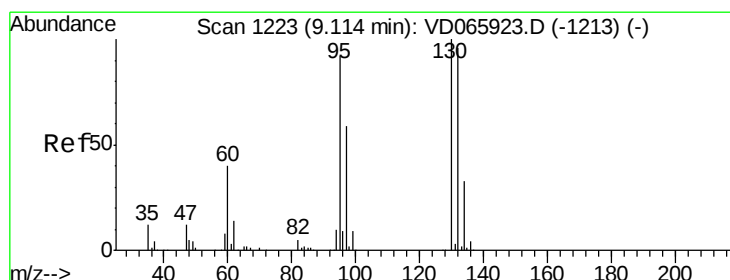
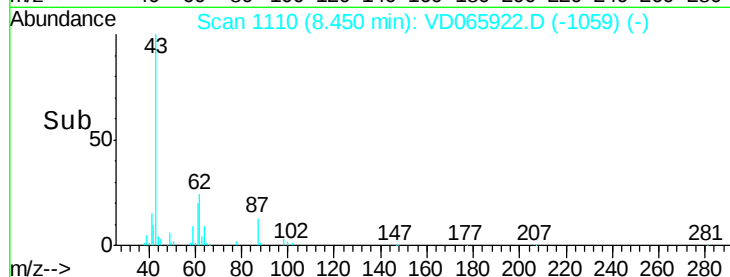
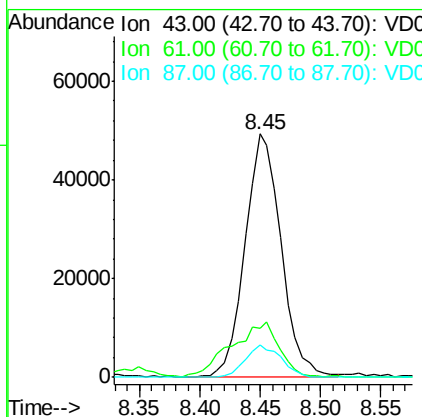
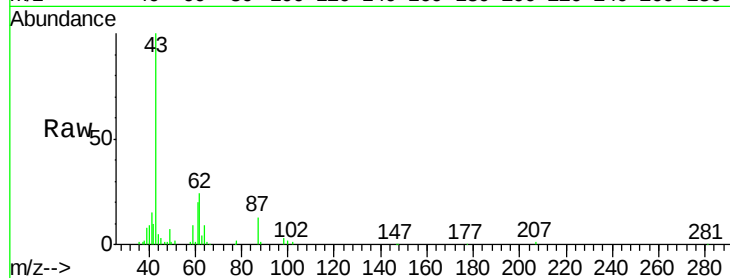
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	103245
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.2	34.8
87	13.2	10.0	15.0

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#44

Trichloroethene

Concen: 20.448 ug/l

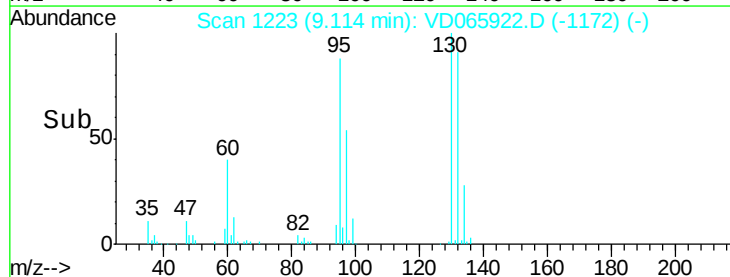
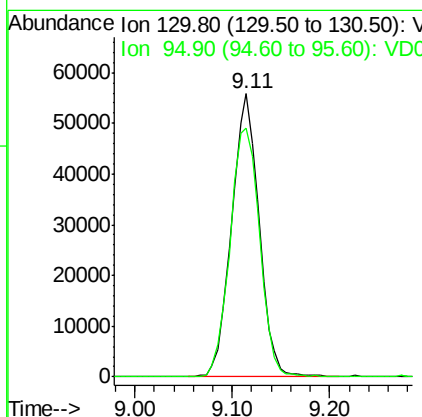
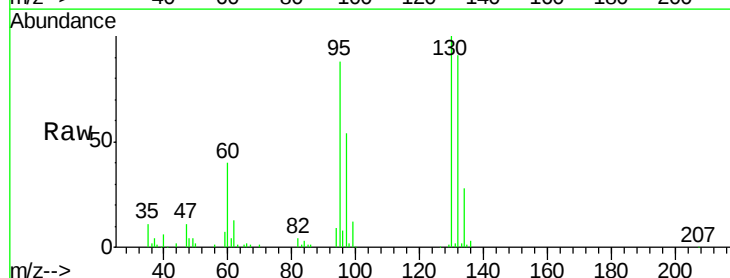
RT: 9.11 min Scan# 1223

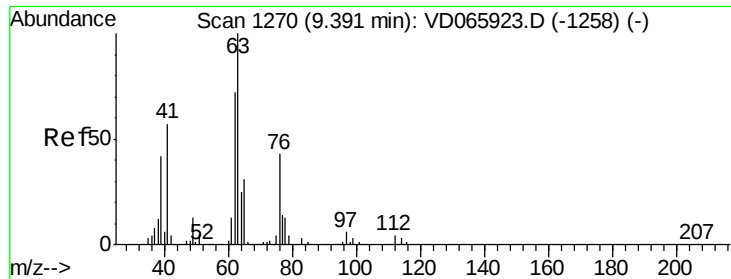
Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion:	130	Resp:	109173
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.287 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 91495

Ion Ratio Lower Upper

63 100

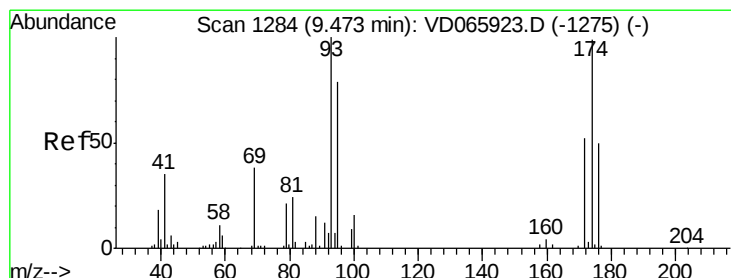
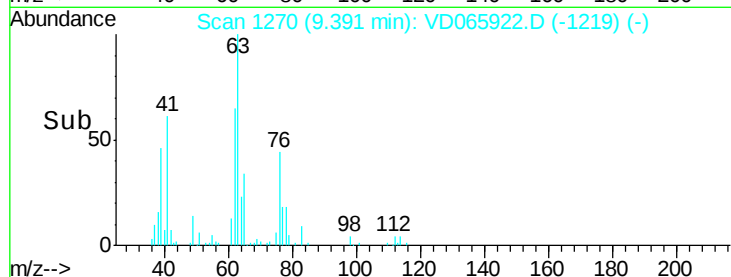
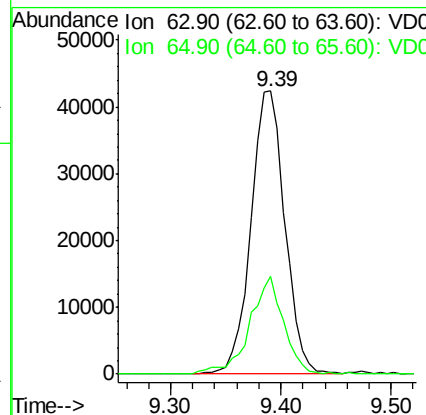
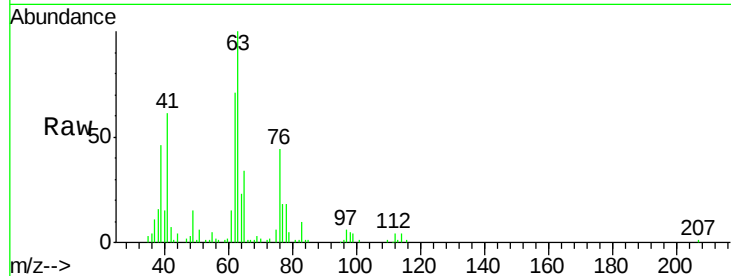
65 34.4 25.0 37.6

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#46

Dibromomethane

Concen: 20.614 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

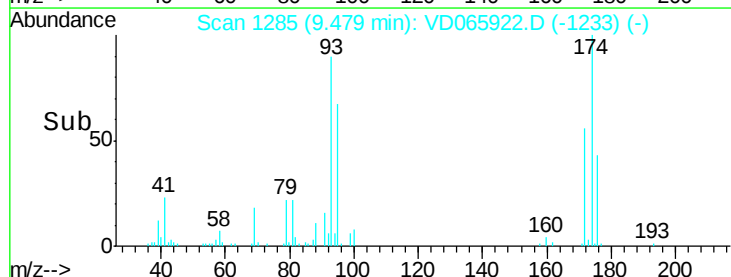
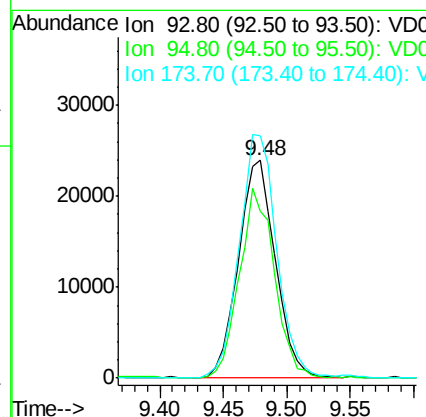
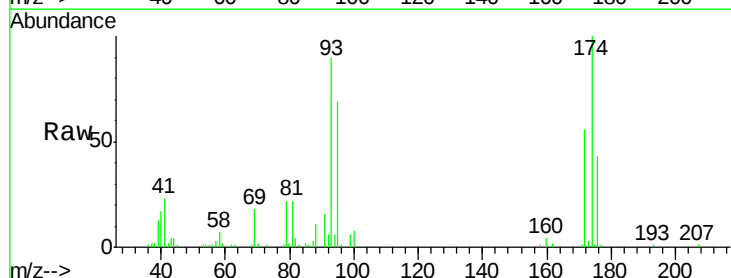
Tgt Ion: 93 Resp: 48403

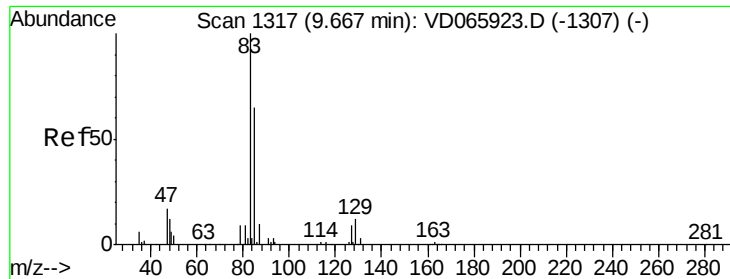
Ion Ratio Lower Upper

93 100

95 82.5 68.2 102.2

174 113.6 88.0 132.0





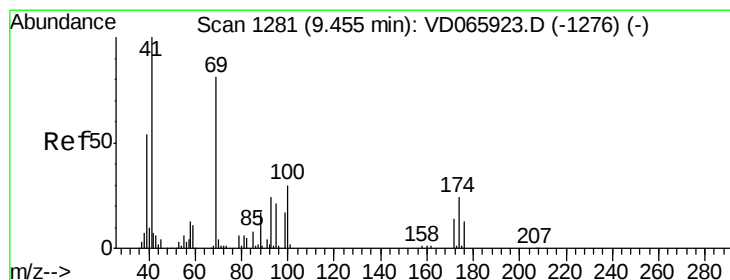
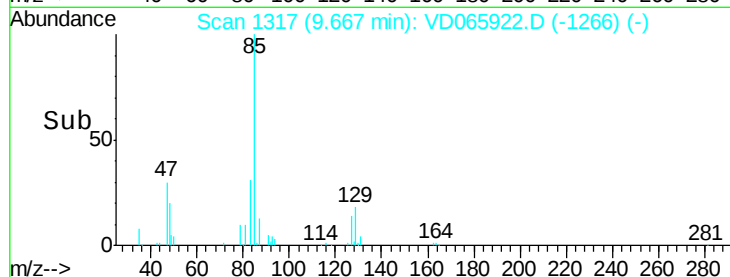
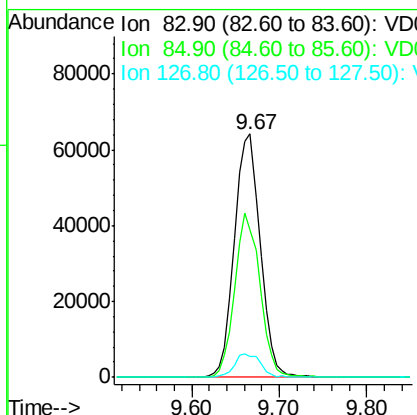
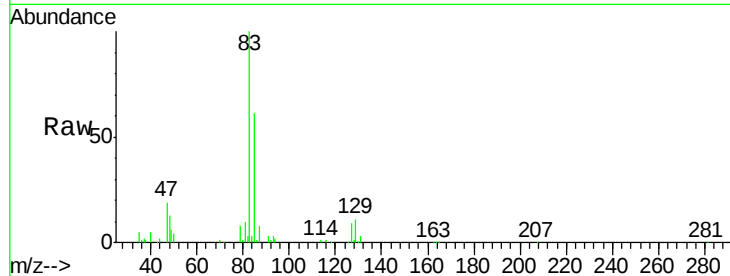
#47
Bromodichloromethane
Concen: 20.395 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.6	77.4
127	8.7	7.2	10.8

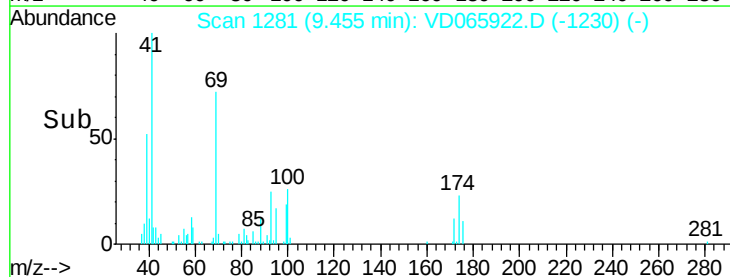
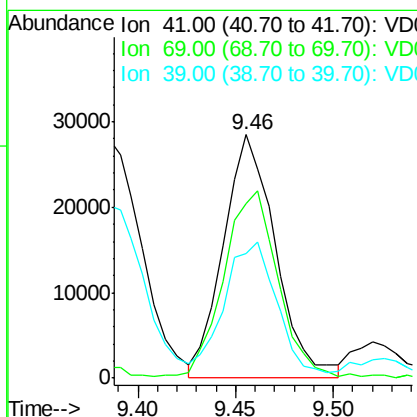
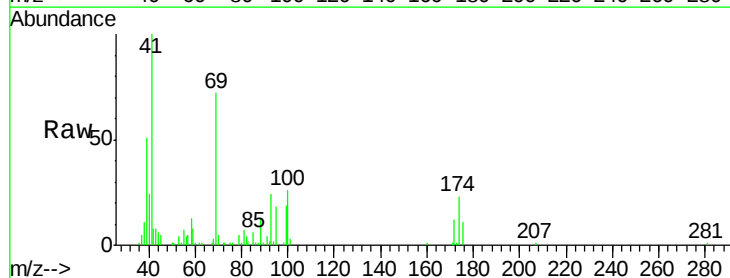
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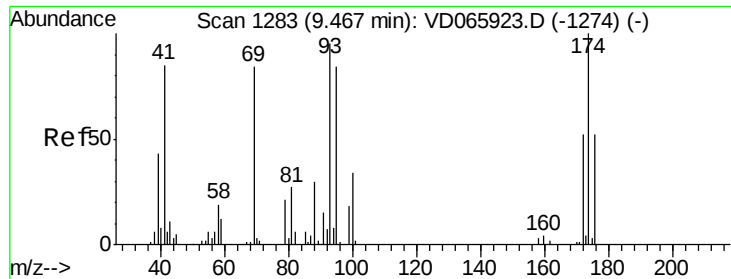
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#48
Methyl methacrylate
Concen: 20.436 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.0	62.2	93.4
39	52.4	39.9	59.9





#49

1,4-Dioxane

Concen: 386.456 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

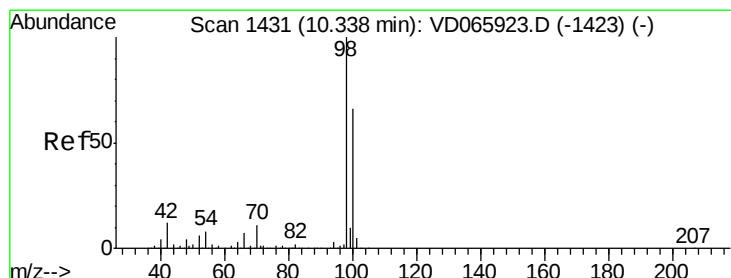
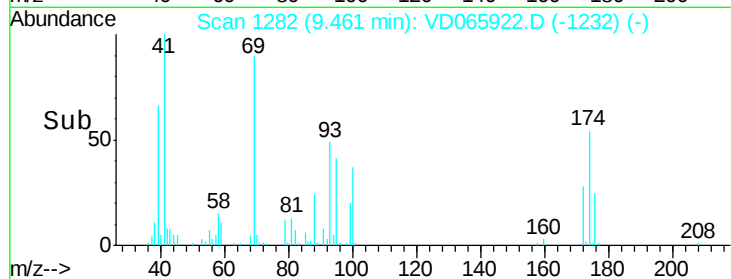
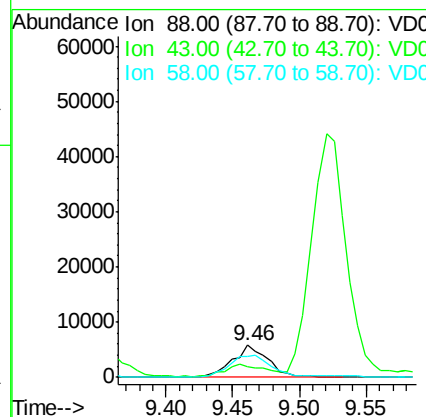
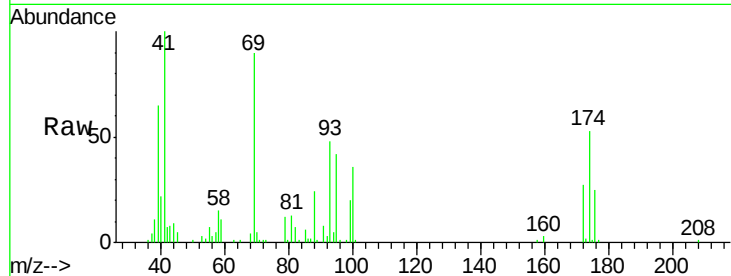
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	10782
Ion	Ratio	Lower	Upper
88	100		
43	40.9	28.2	42.4
58	81.5	58.6	87.8

Manual Integrations
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#50

Toluene-d8

Concen: 20.381 ug/l

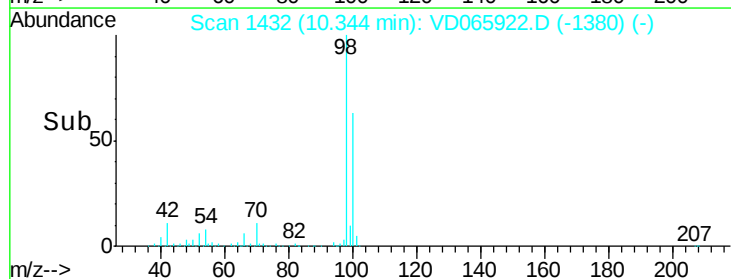
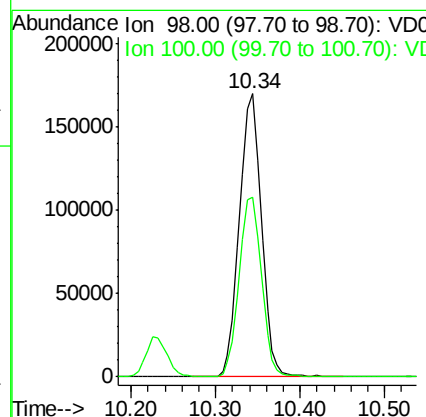
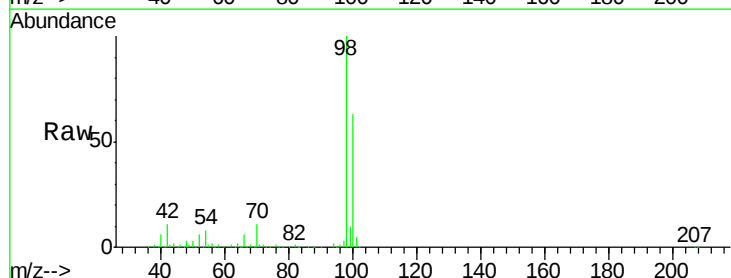
RT: 10.34 min Scan# 1432

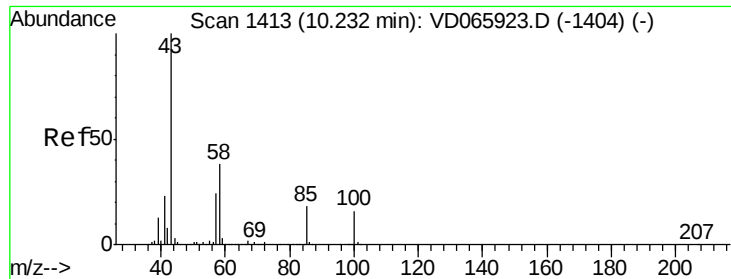
Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion:	98	Resp:	305510
Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.1	79.7





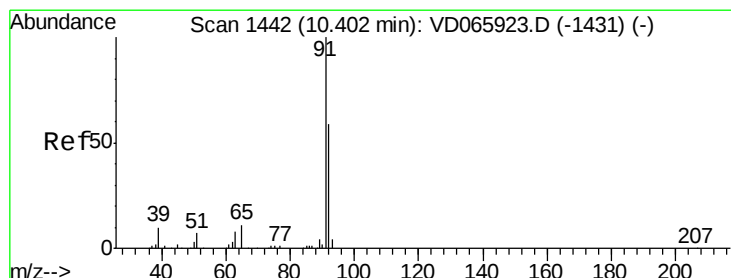
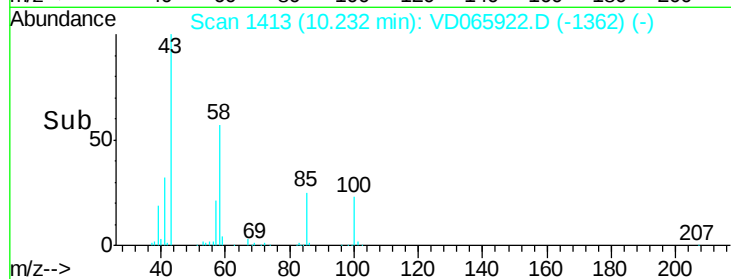
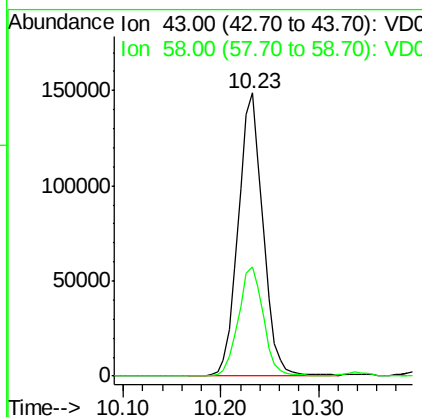
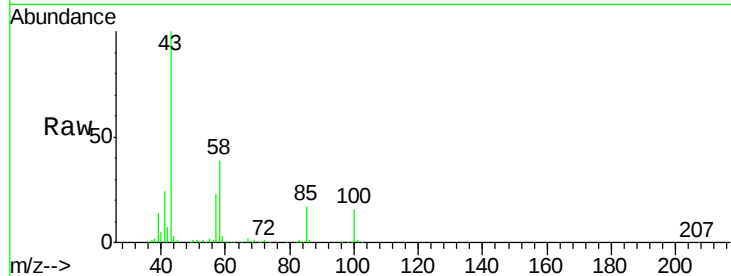
#51
4-Methyl-2-Pentanone
Concen: 101.741 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.5	45.7

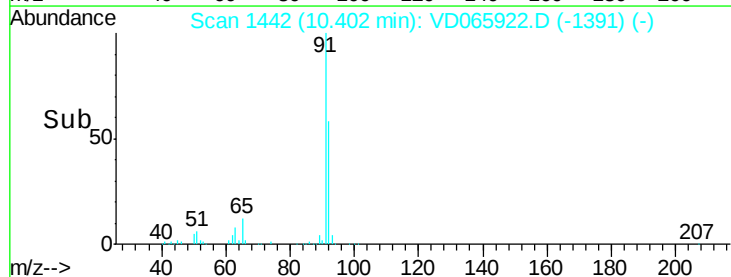
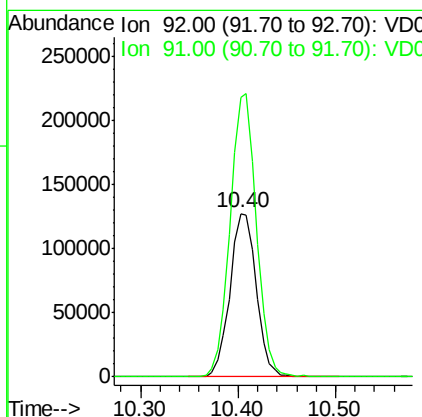
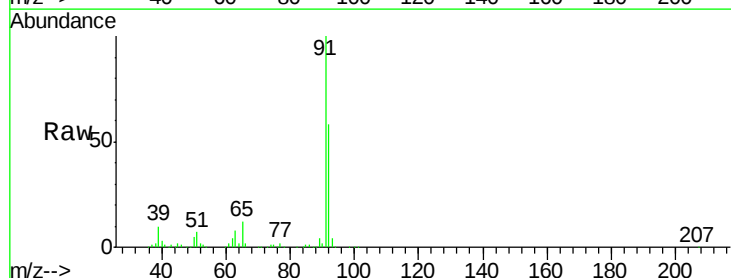
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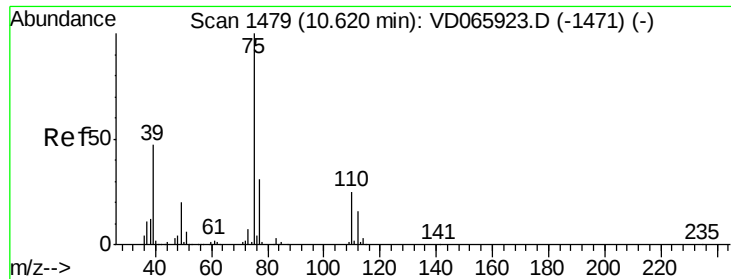
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#52
Toluene
Concen: 20.695 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.0	204.0





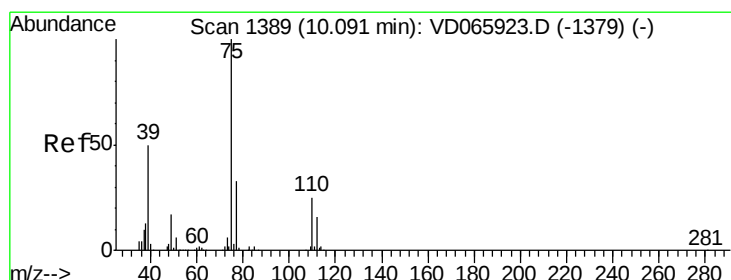
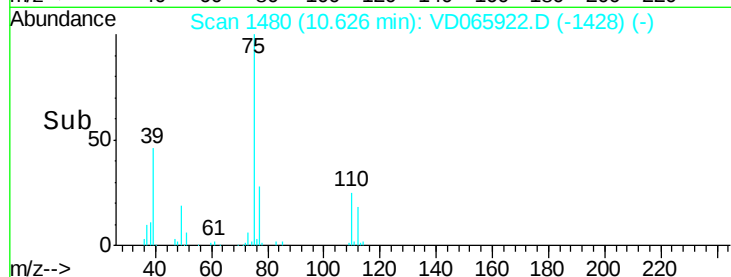
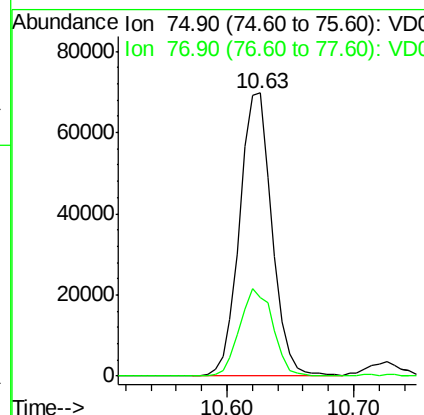
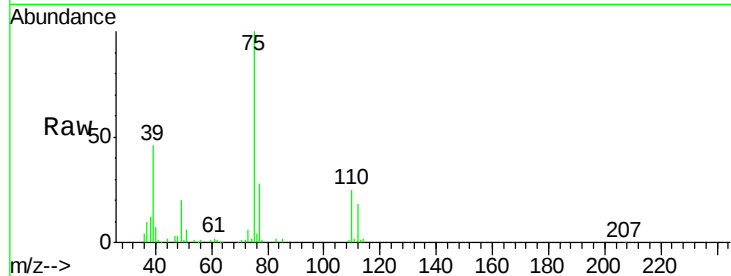
#53
 t-1,3-Dichloropropene
 Concen: 20.805 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.7	25.1	37.7

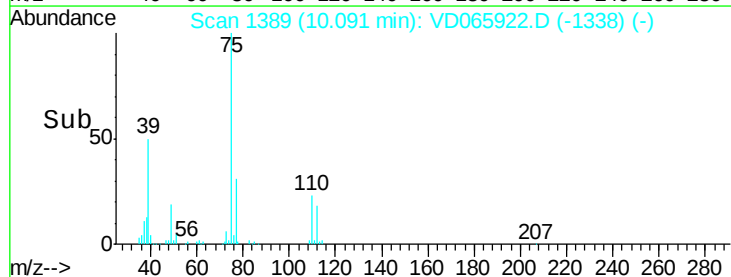
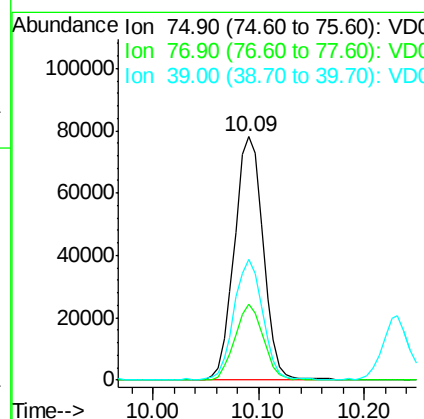
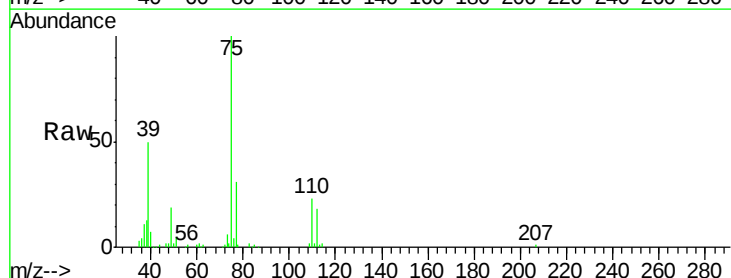
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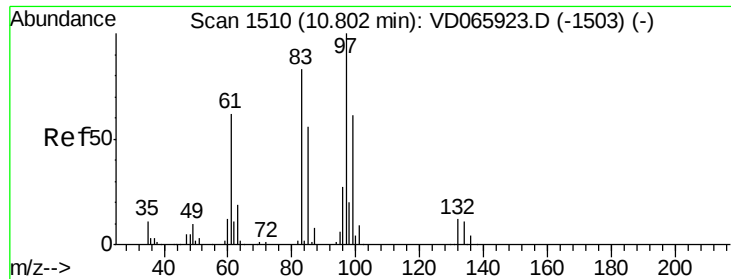
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#54
 cis-1,3-Dichloropropene
 Concen: 20.513 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.6	39.8
39	49.6	39.6	59.4





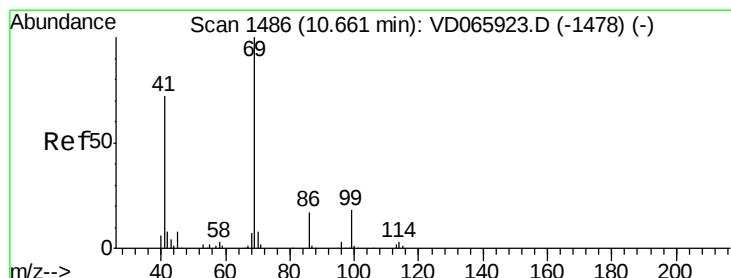
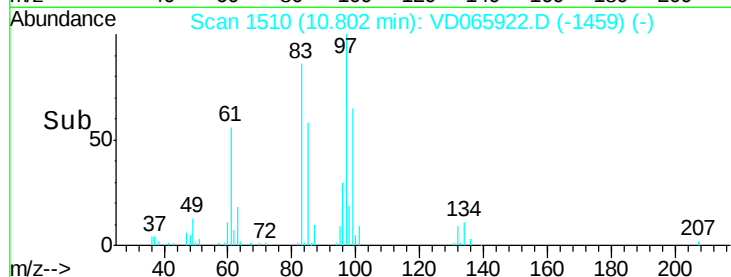
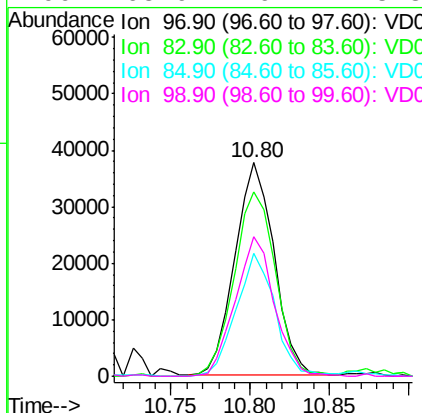
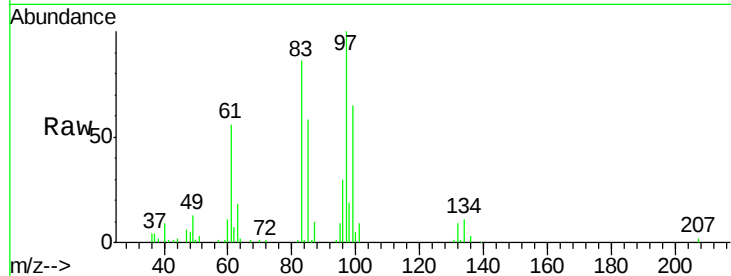
#55
 1,1,2-Trichloroethane
 Concen: 19.988 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	64663
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.9	100.3
85	58.1	44.5	66.7
99	65.9	49.2	73.8

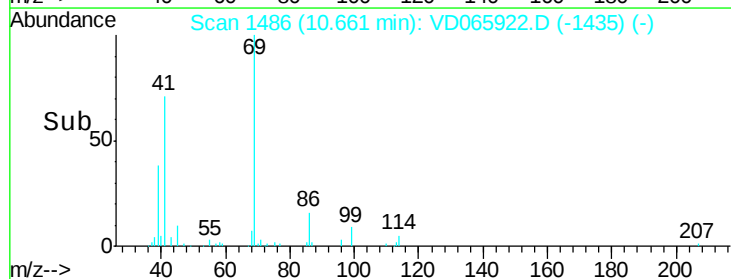
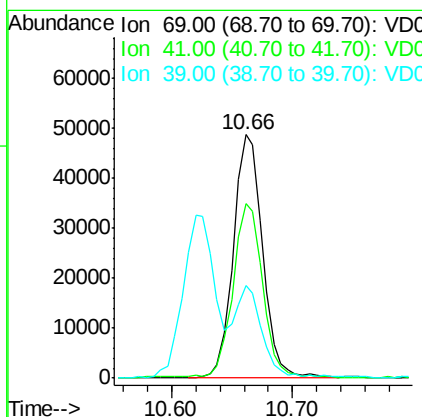
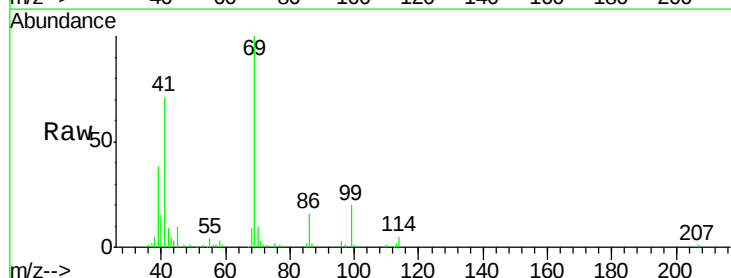
Manual Integrations
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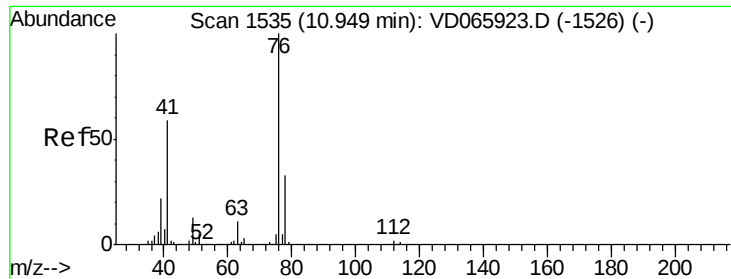
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#56
 Ethyl methacrylate
 Concen: 20.868 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion:	69	Resp:	82456
Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.5	84.7
39	32.7	29.2	43.8





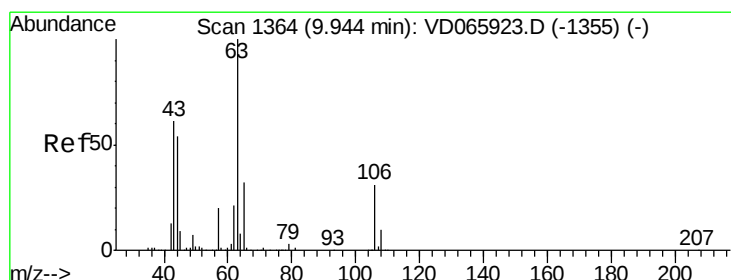
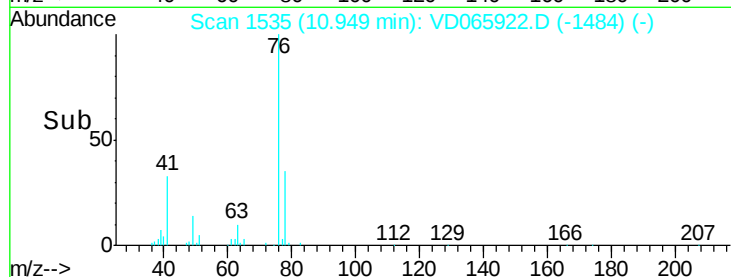
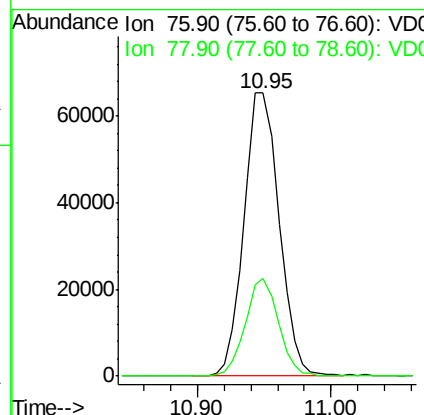
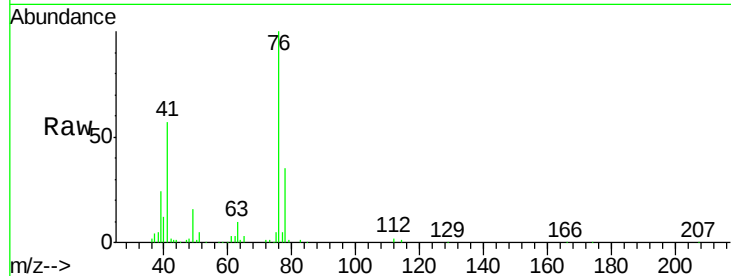
#57
 1,3-Dichloropropane
 Concen: 21.140 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 119606
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

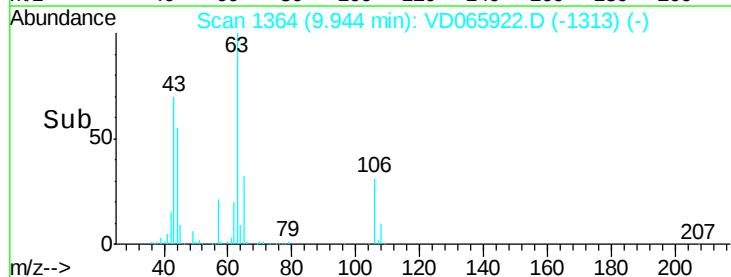
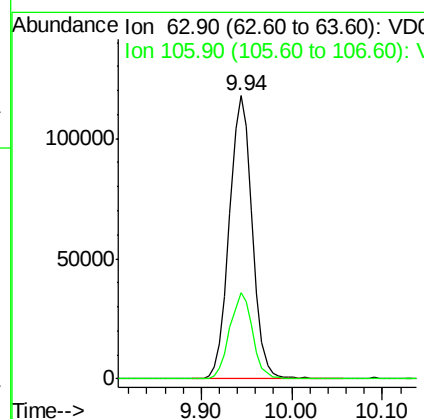
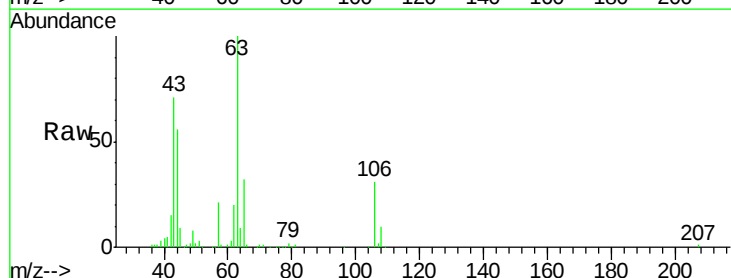
Manual Integrations
 APPROVED

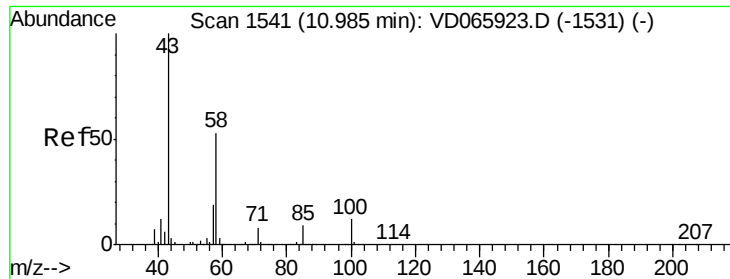
MMDadoda
 7/8/2020 12:05:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.222 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 63 Resp: 207100
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.6





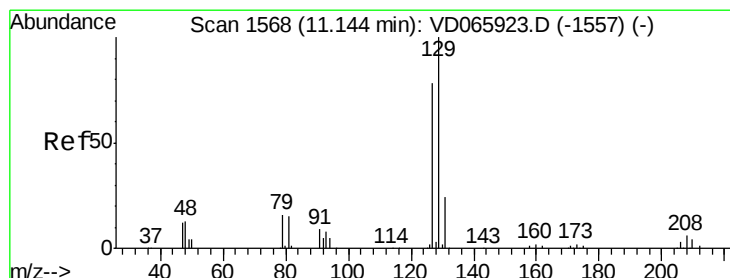
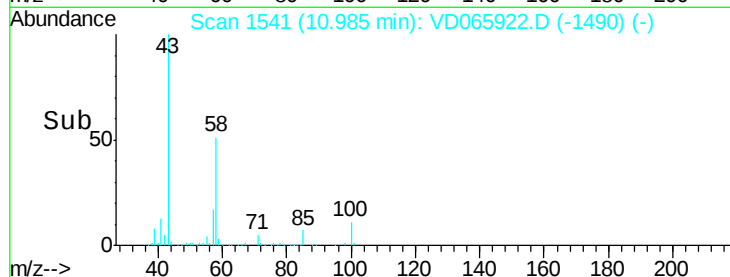
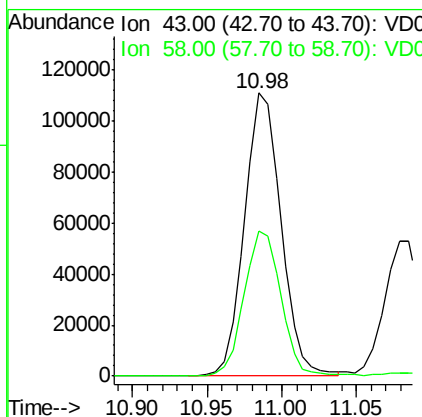
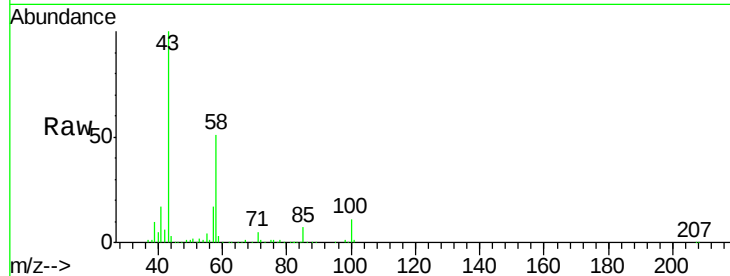
#59
2-Hexanone
Concen: 105.850 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	188800
Ion Ratio	43	100	
Lower	58	51.4	26.6
Upper			79.8

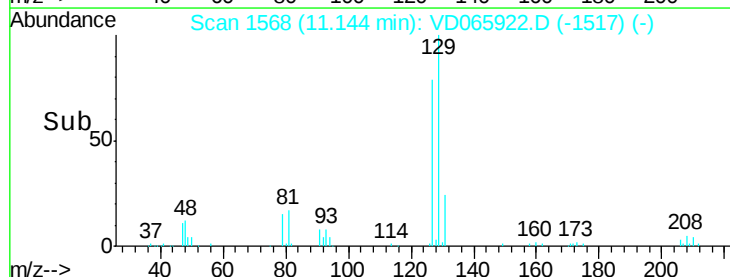
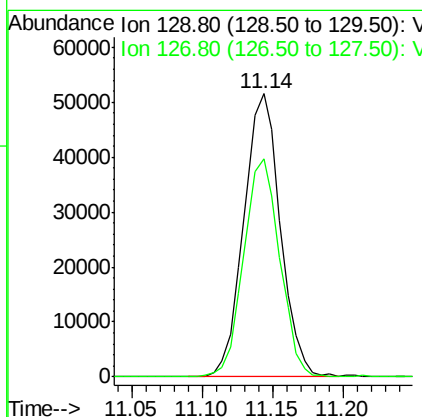
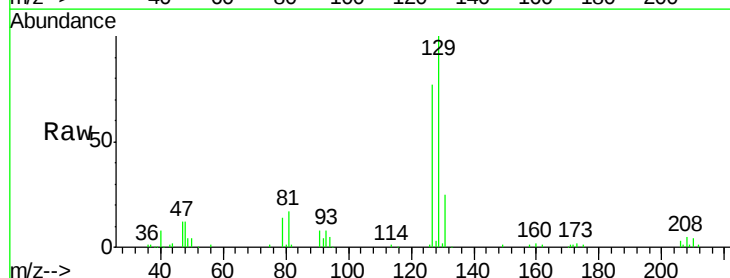
Manual Integrations
APPROVED

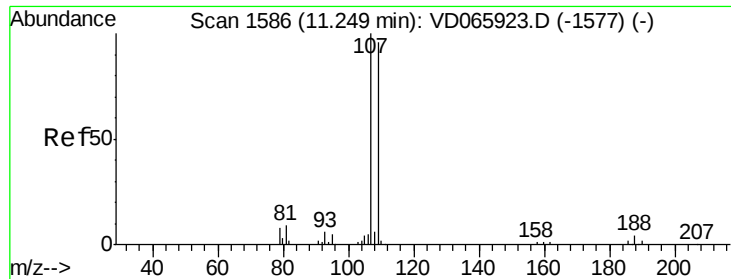
MMDadoda
7/8/2020 12:05:33 PM



#60
Dibromochloromethane
Concen: 21.243 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	129	Resp	93895
Ion Ratio	129	100	
Lower	127	75.9	38.8
Upper			116.4





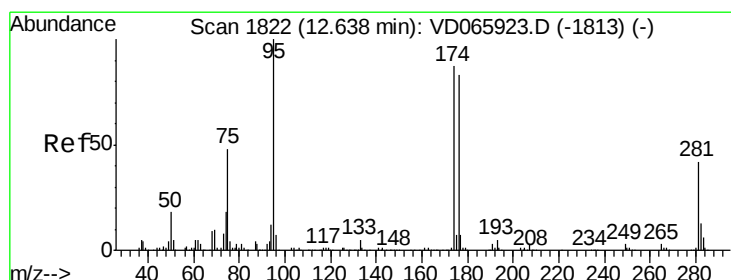
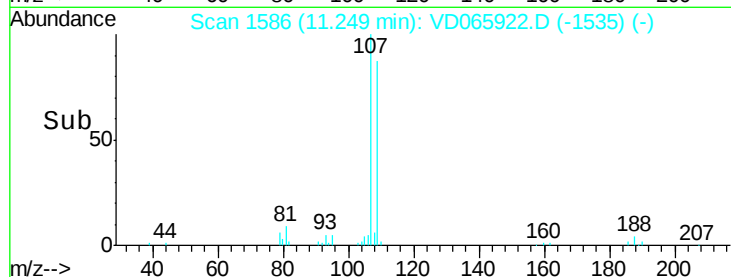
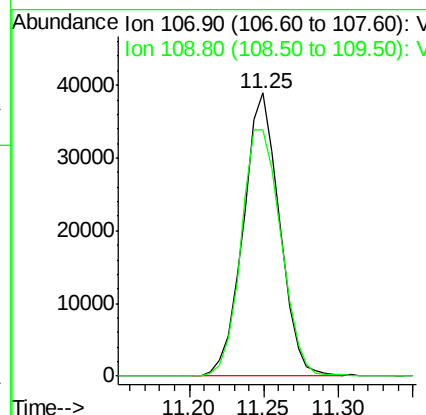
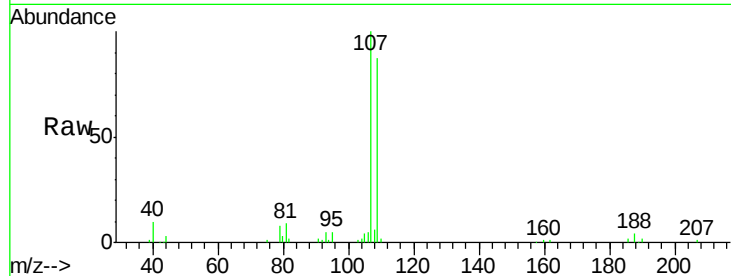
#61
 1,2-Dibromoethane
 Concen: 20.322 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.0

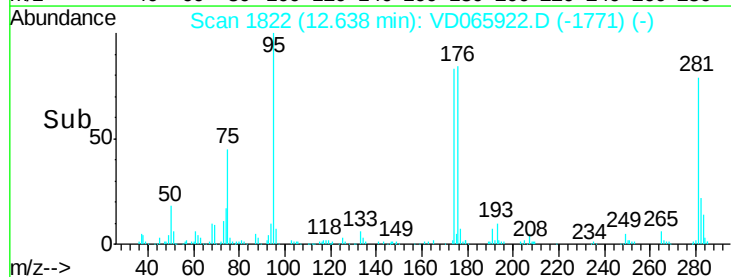
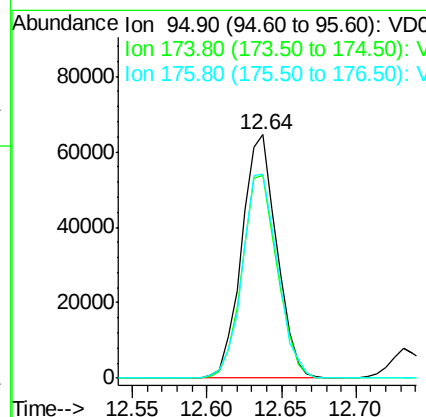
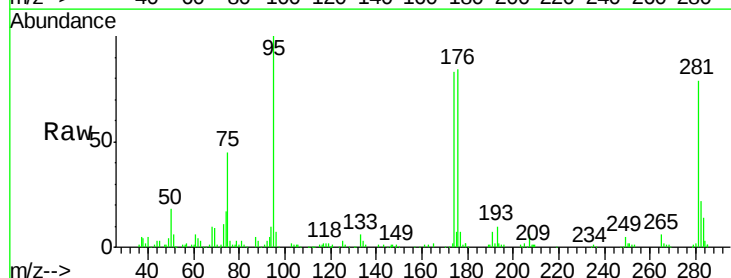
Manual Integrations
 APPROVED

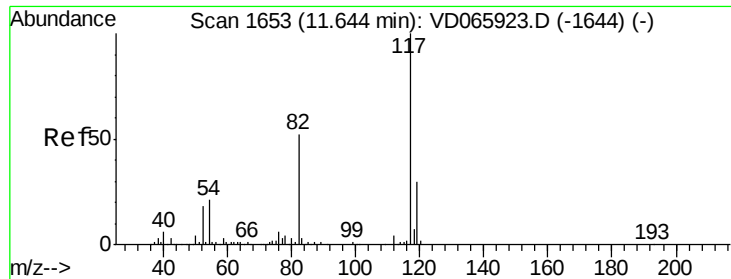
MMDadoda
 7/8/2020 12:05:33 PM



#62
 4-Bromofluorobenzene
 Concen: 20.408 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	169.4
176	84.9	0.0	164.0





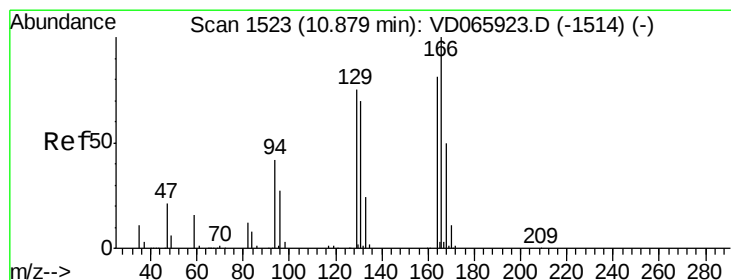
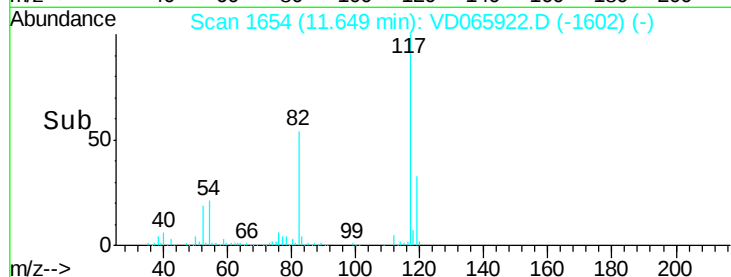
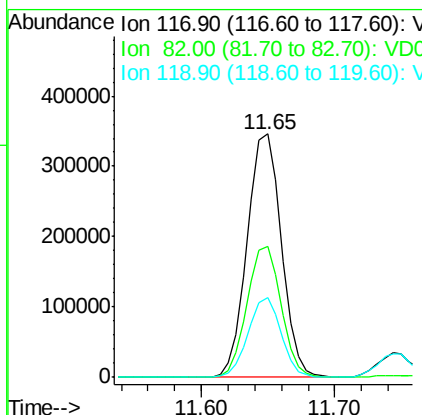
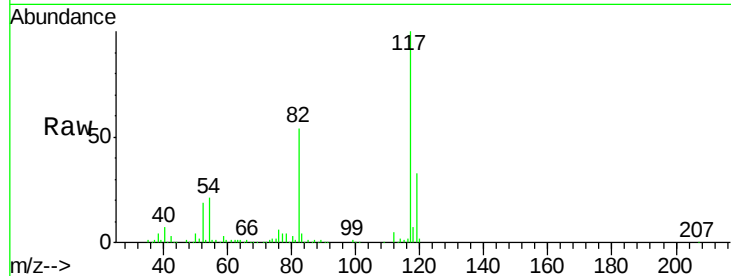
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	613155		
82	53.8		41.8	62.8
119	32.8		24.3	36.5

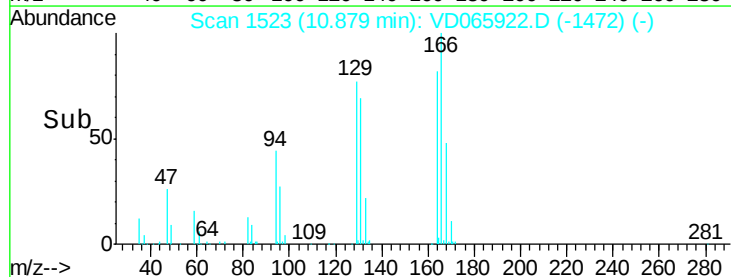
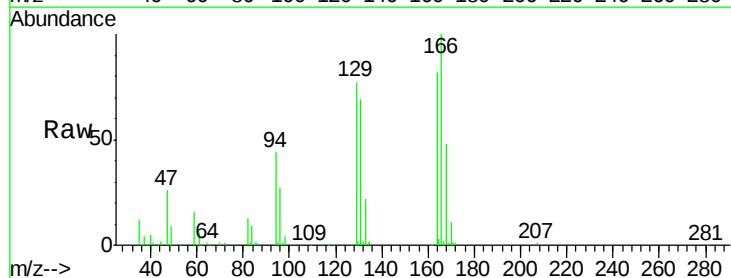
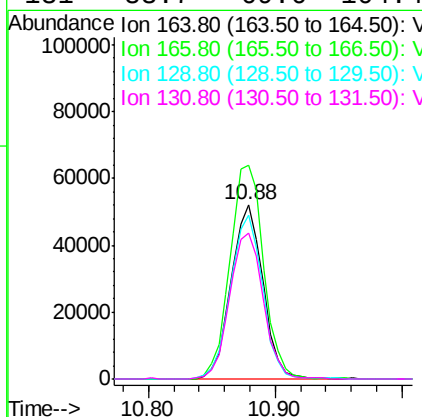
Manual Integrations
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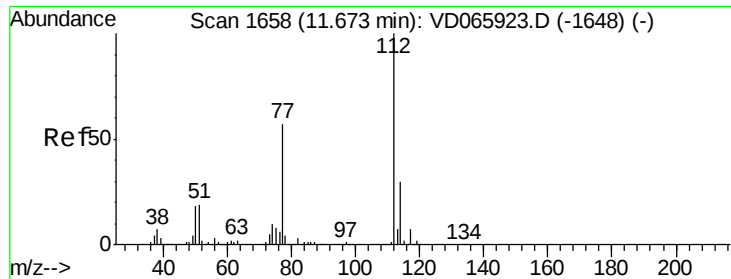
MMDadoda
7/8/2020 12:05:33 PM



#64
Tetrachloroethene
Concen: 20.290 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90472		
166	122.2		99.0	148.4
129	93.2		73.9	110.9
131	83.7		69.6	104.4





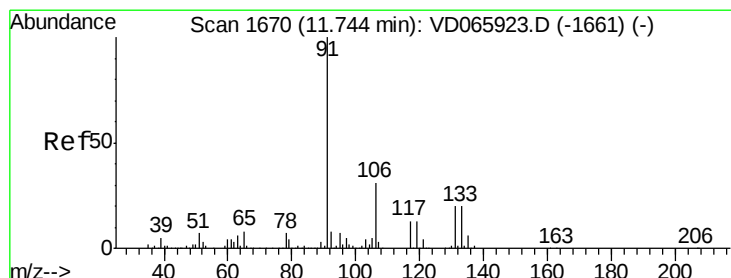
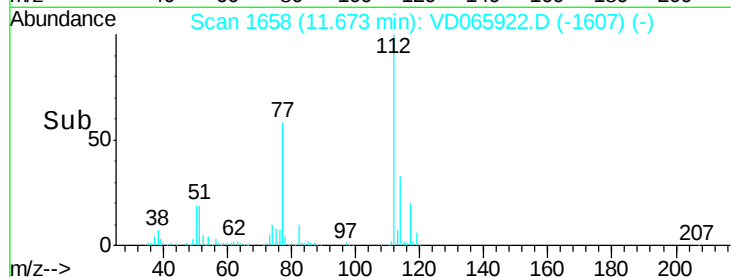
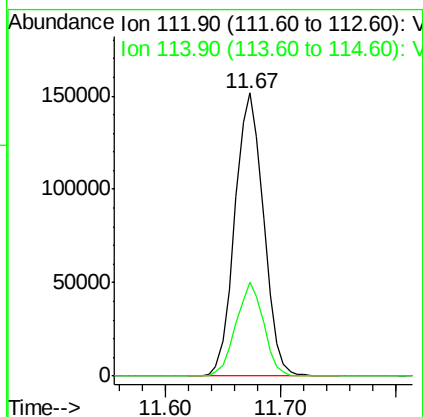
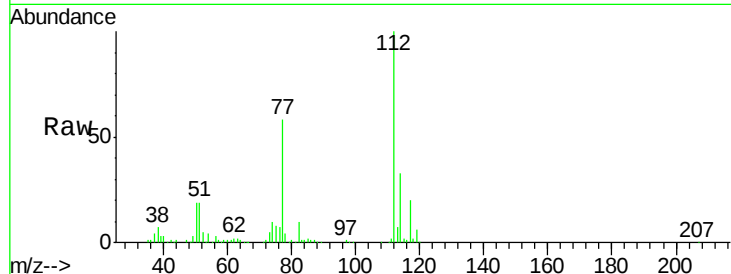
#65
Chlorobenzene
Concen: 21.148 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	24.2	36.4

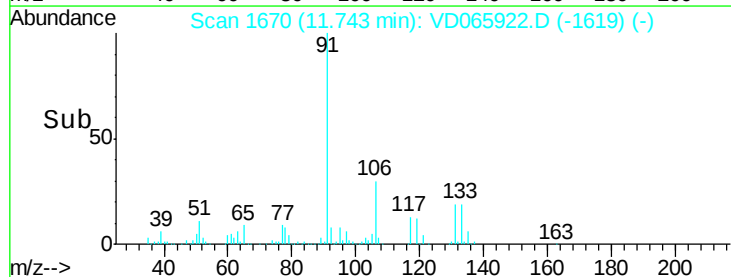
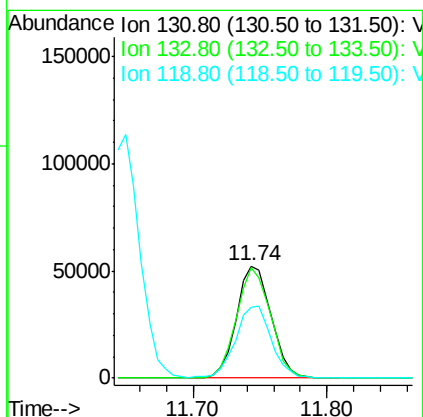
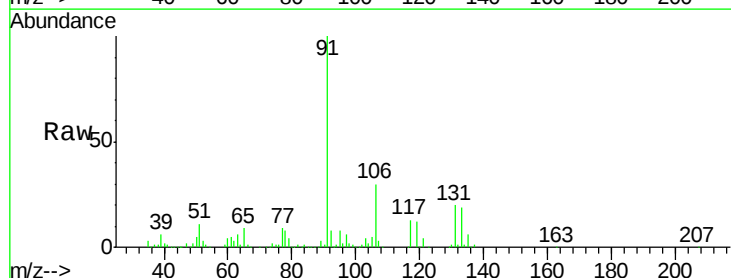
Manual Integrations
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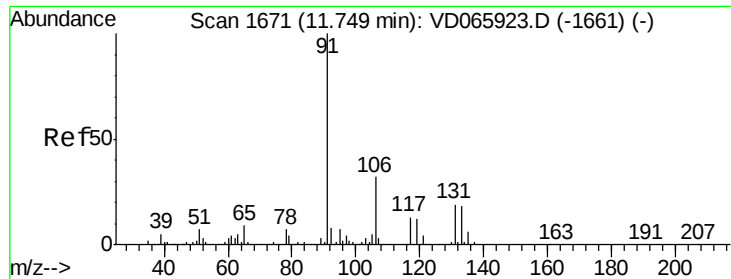
MMDadoda
7/8/2020 12:05:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.9	143.6
119	66.4	31.9	95.9





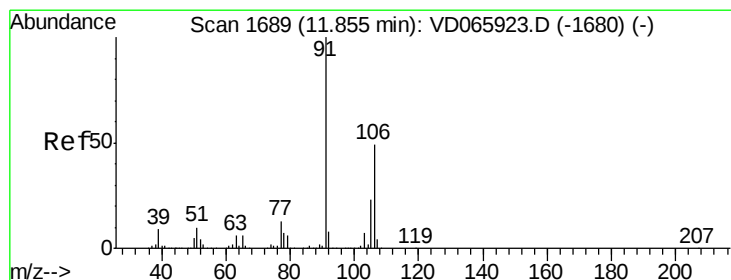
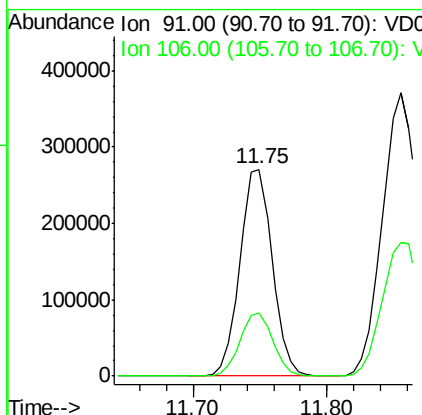
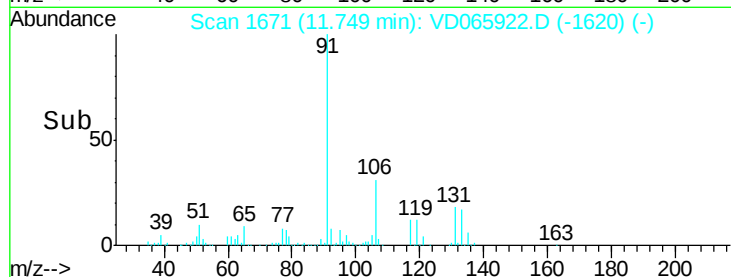
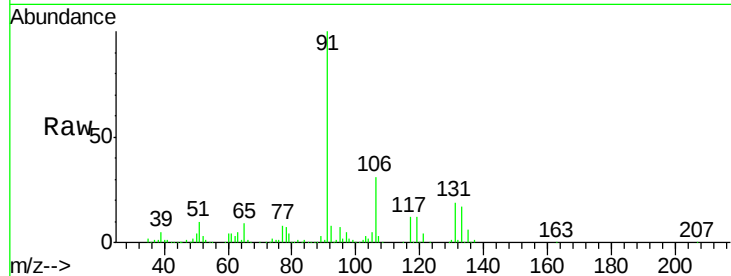
#67
Ethyl Benzene
Concen: 20.746 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 455394
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8

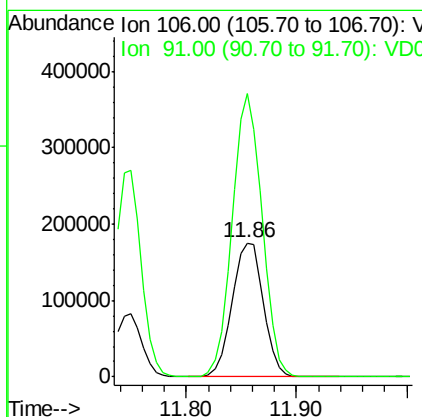
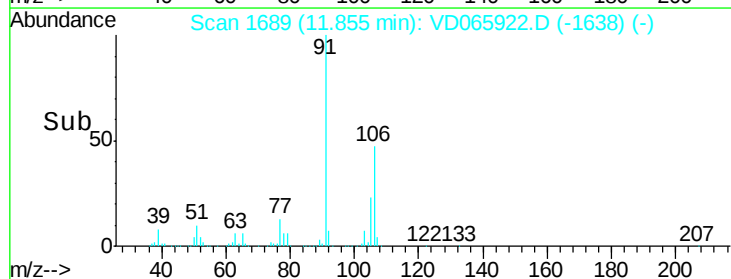
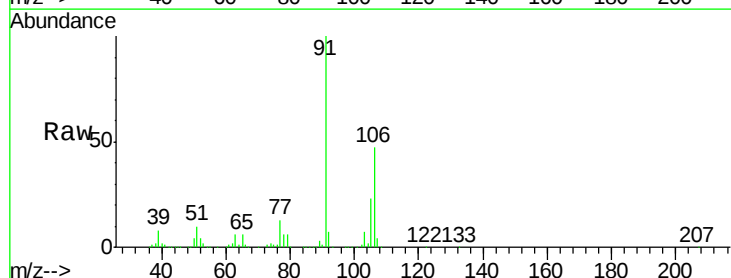
Manual Integrations
APPROVED

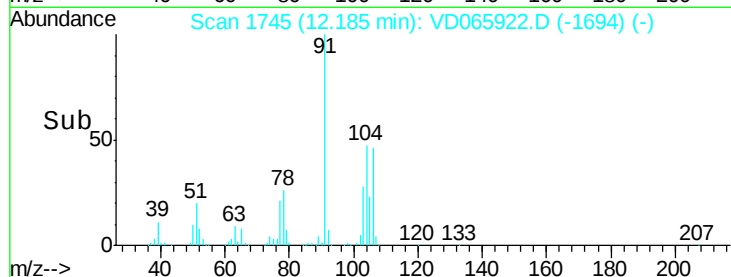
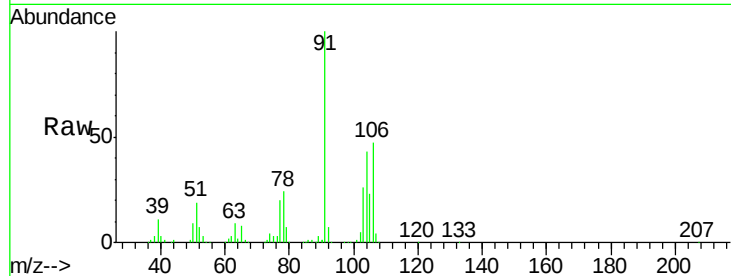
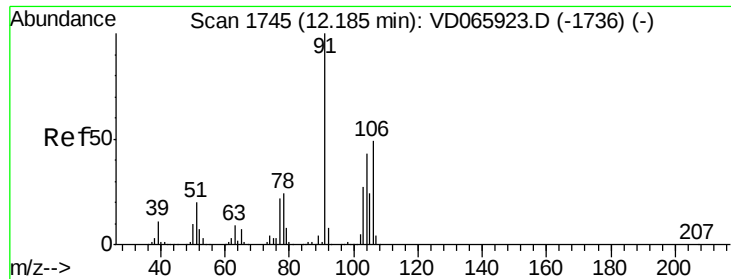
MMDadoda
7/8/2020 12:05:33 PM



#68
m/p-Xylenes
Concen: 41.774 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 106 Resp: 348388
Ion Ratio Lower Upper
106 100
91 202.0 158.2 237.2





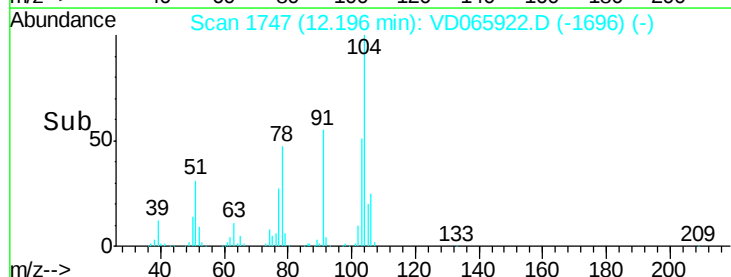
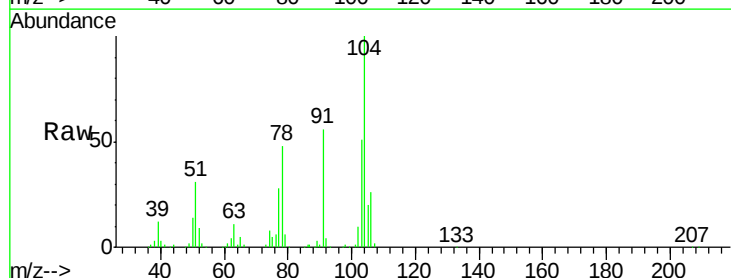
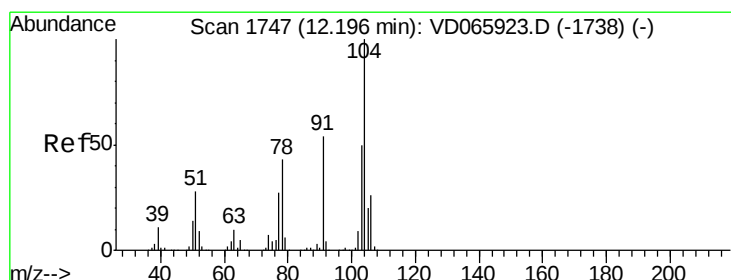
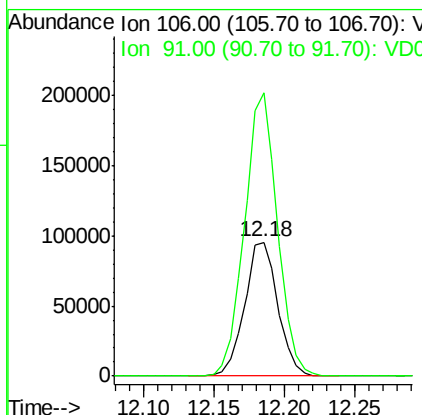
#69
o-Xylene
Concen: 20.681 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tot Ion	Ratio	Resp	Lower	Upper
106	100	157115		
91	209.6	104.1	312.2	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

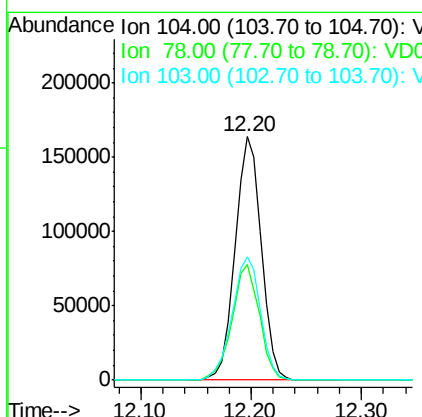
Manual Integrations
APPROVED

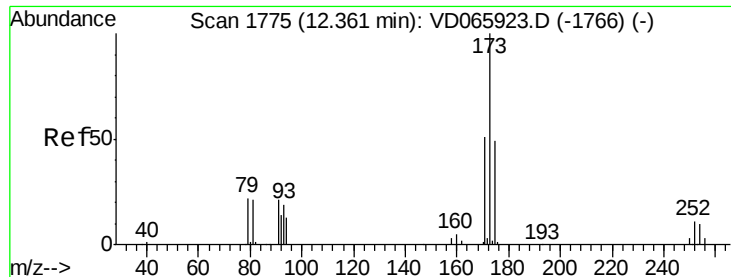
MMDadoda
7/8/2020 12:05:33 PM



#70
Styrene
Concen: 20.785 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	272589		
78	49.6	38.8	58.2	
103	55.3	43.6	65.4	





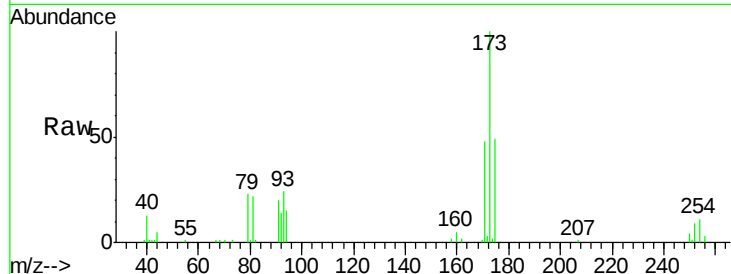
#71
Bromoform
Concen: 20.158 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.2	72.6
254	0.1	0.0	0.0

Manual Integrations
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MMDadoda
7/8/2020 12:05:33 PM

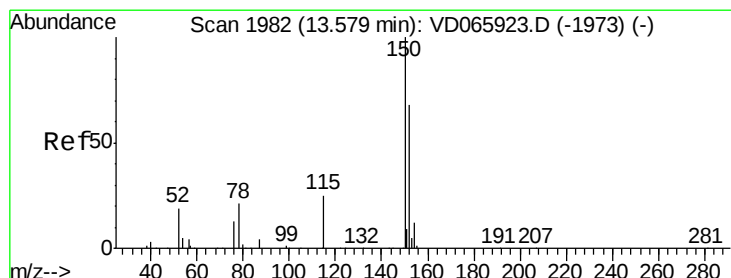
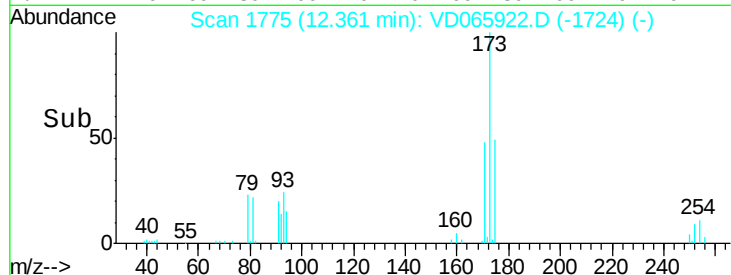
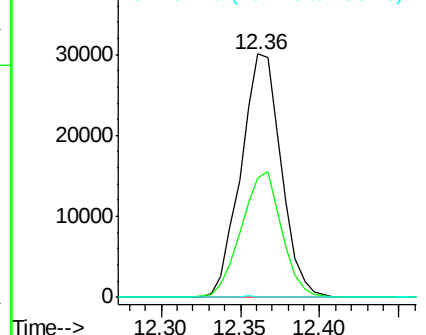


Abundance

Ion 172.70 (172.40 to 173.40): V

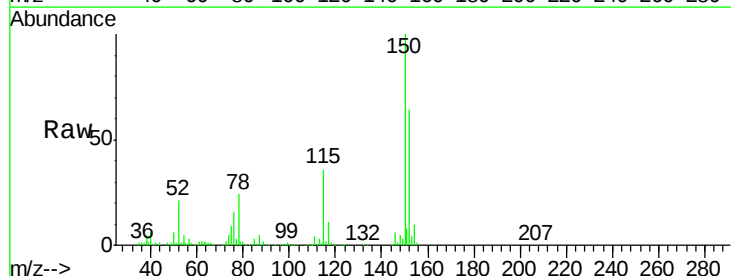
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	162.4	0.0	347.2

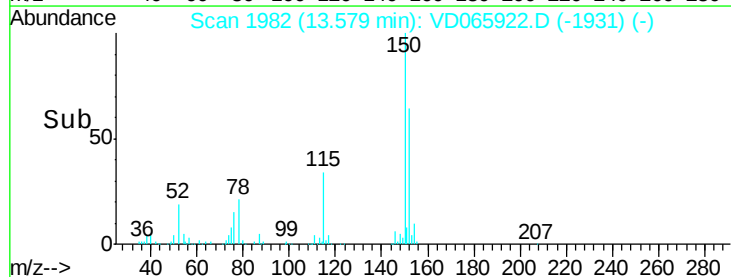
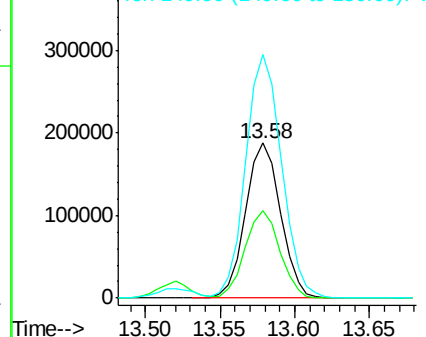


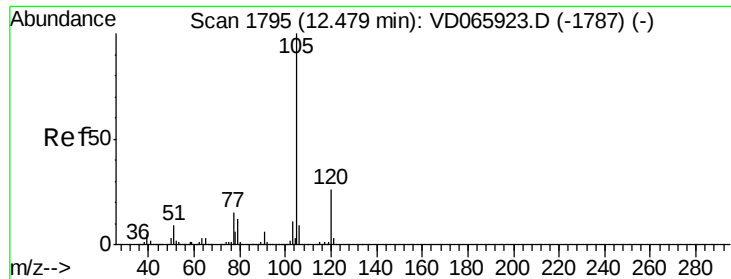
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.599 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 436186

Ion Ratio Lower Upper

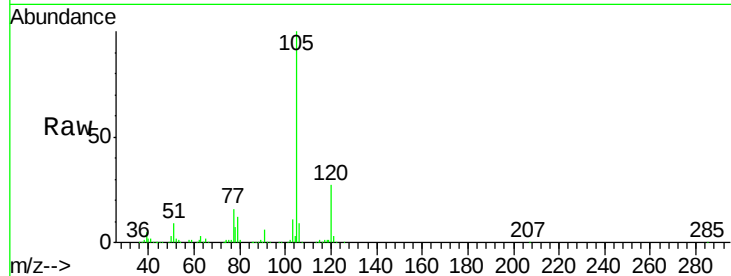
105 100

120 26.4 13.3 39.8

Manual Integrations
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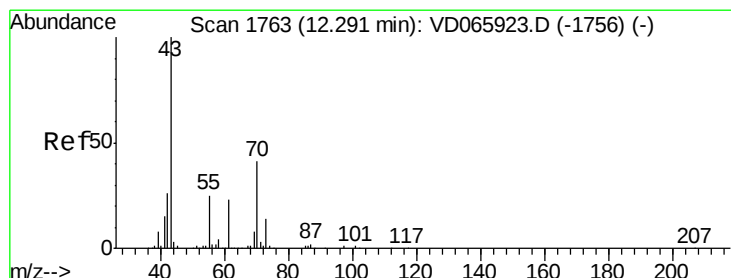
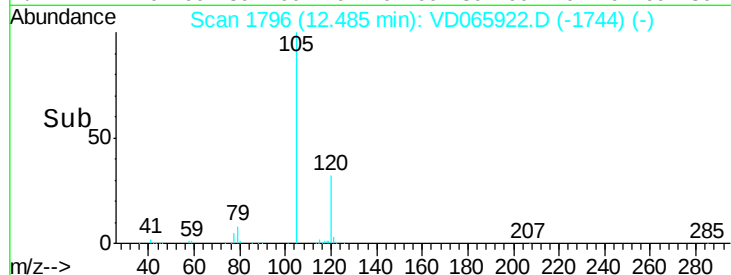
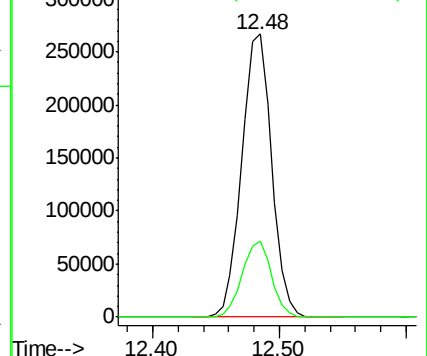
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.503 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion: 43 Resp: 97423

Ion Ratio Lower Upper

43 100

70 39.5 33.6 50.4

55 25.3 20.1 30.1

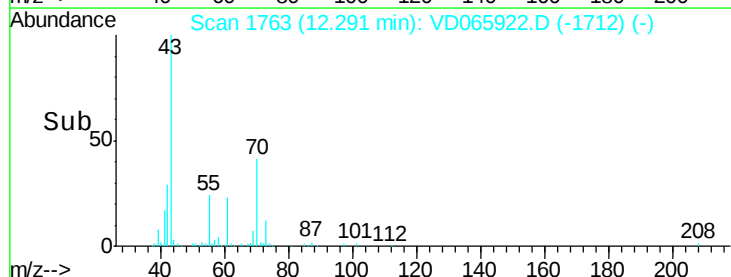
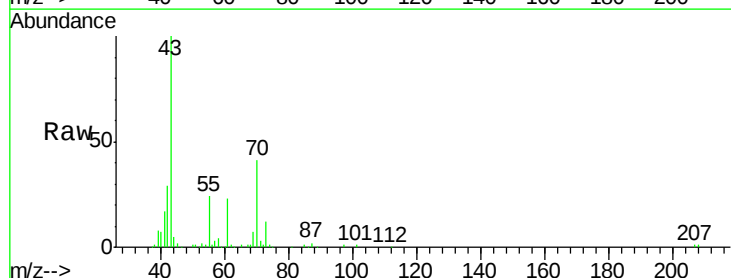
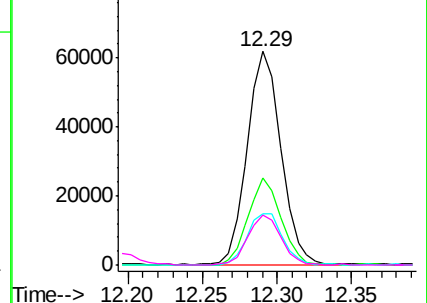
61 22.9 18.9 28.3

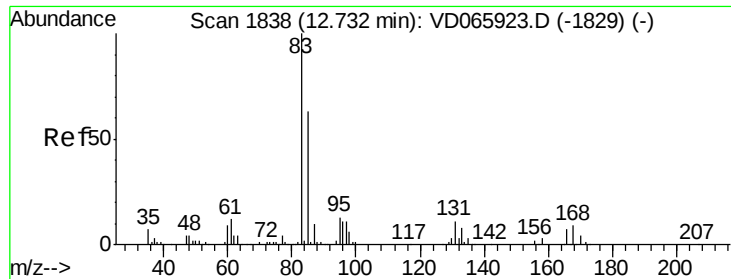
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.396 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

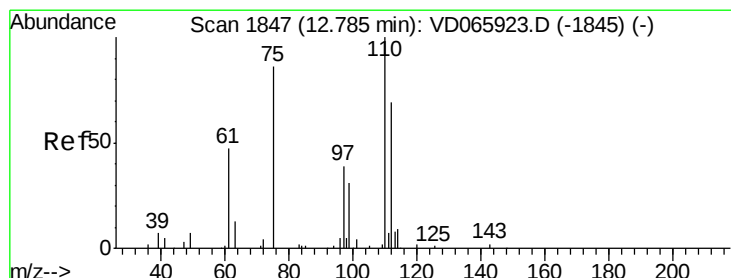
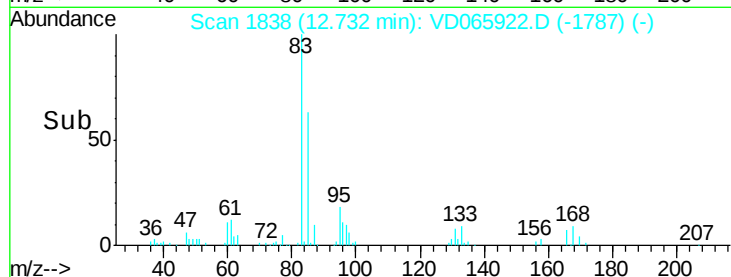
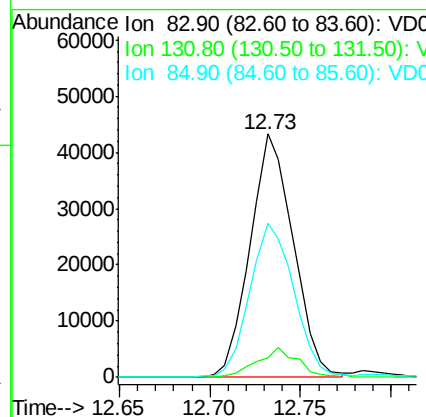
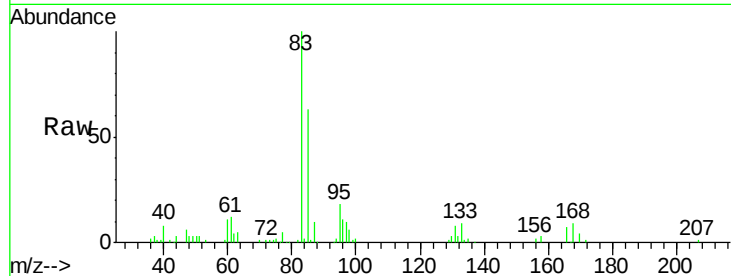
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	71701
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	64.8	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.651 ug/l m

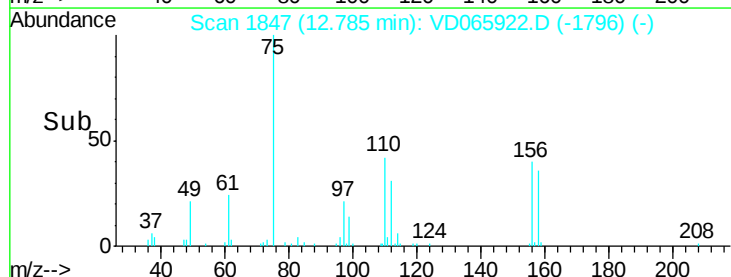
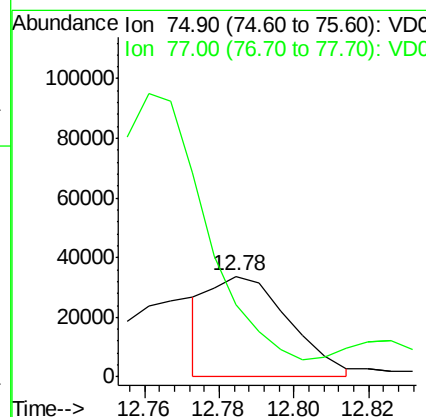
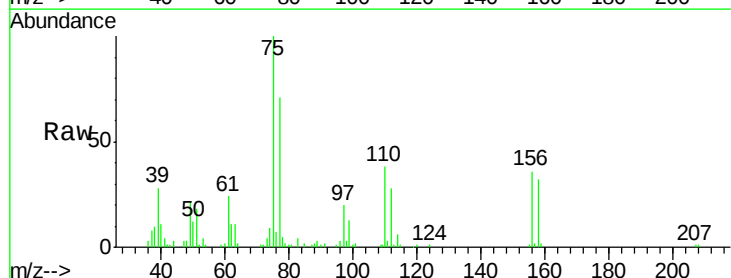
RT: 12.78 min Scan# 1847

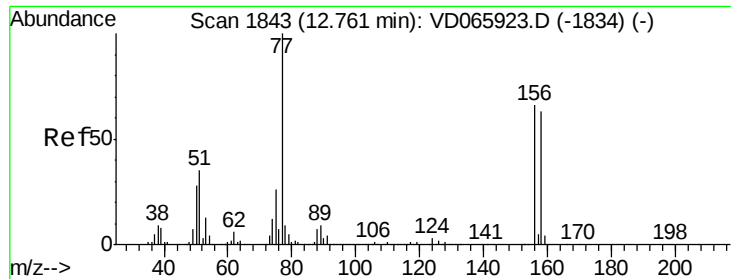
Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion:	75	Resp:	49811
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.649 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 106049

Ion Ratio Lower Upper

156 100

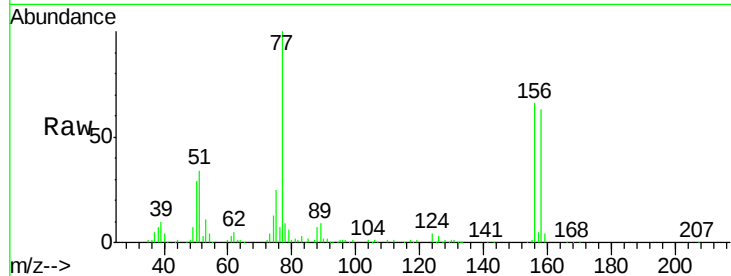
77 170.2 85.0 255.0

158 98.2 49.0 147.0

Manual Integrations
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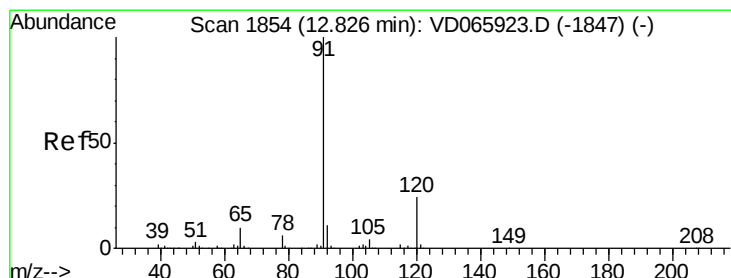
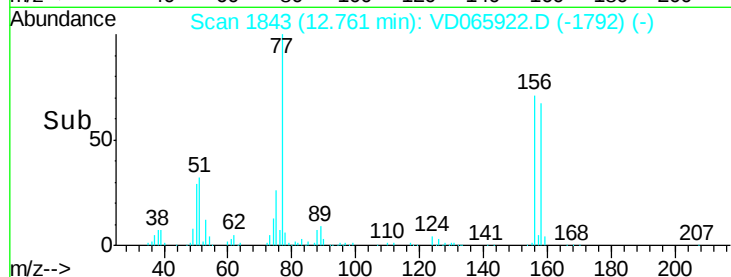
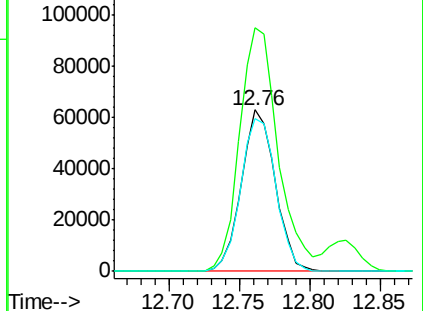
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.967 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065922.D

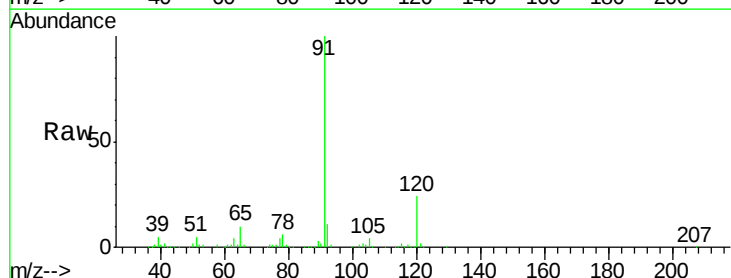
Acq: 07 Jul 2020 14:34

Tgt Ion: 91 Resp: 520528

Ion Ratio Lower Upper

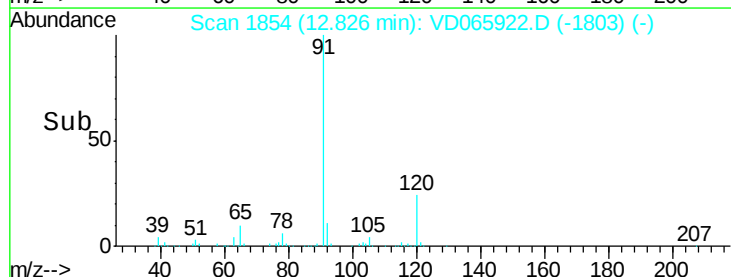
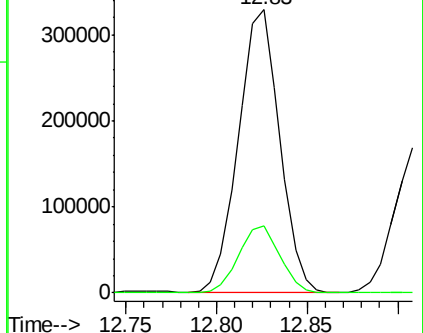
91 100

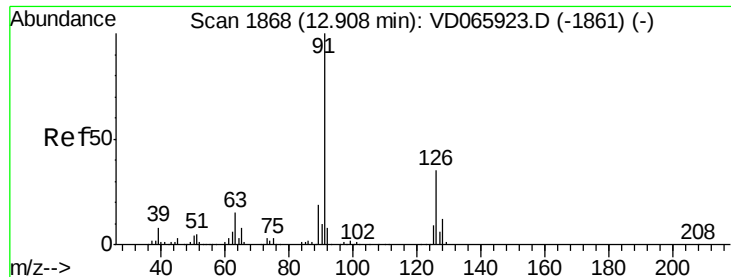
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





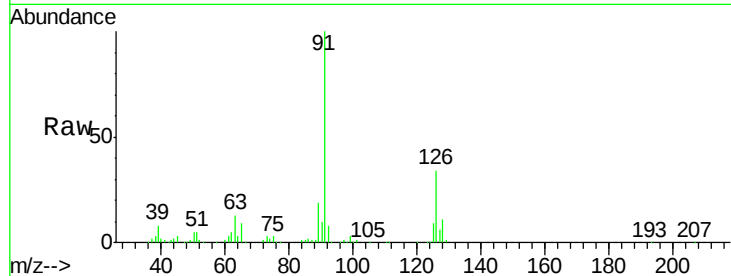
#79
2-Chlorotoluene
Concen: 20.766 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

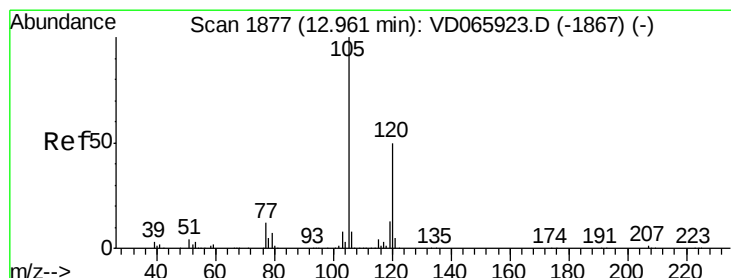
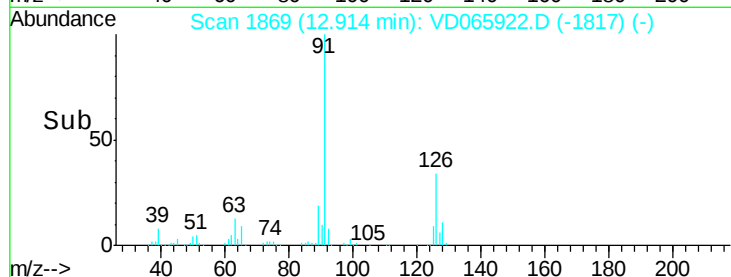
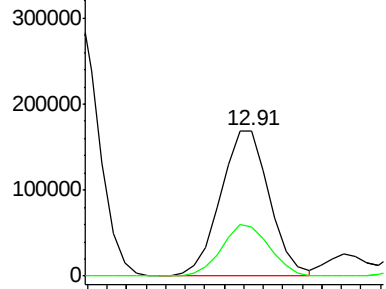
Tot Ion: 91 Resp: 292462
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.8

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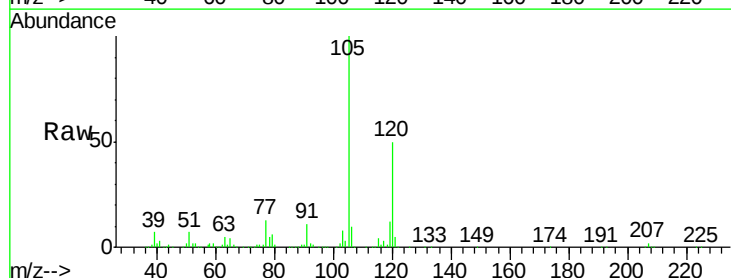


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

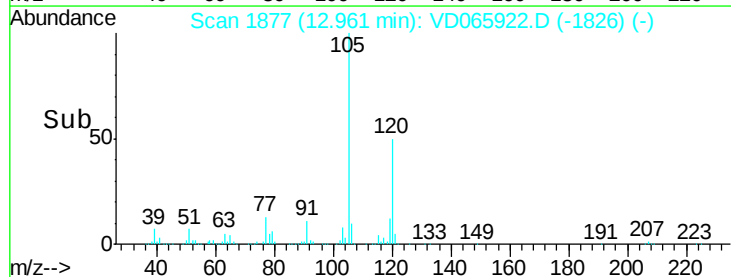
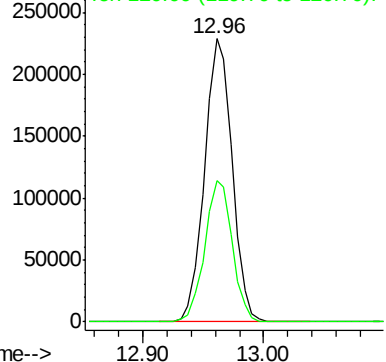


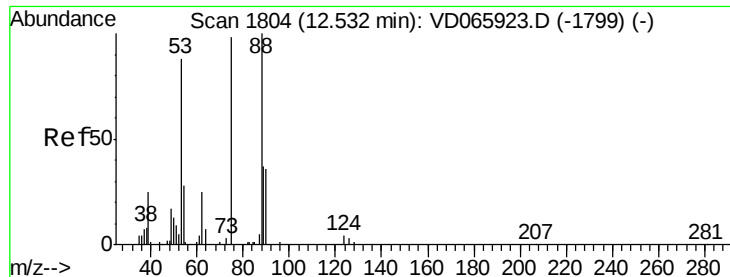
#80
1,3,5-Trimethylbenzene
Concen: 20.991 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:105 Resp: 363564
Ion Ratio Lower Upper
105 100
120 50.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.879 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

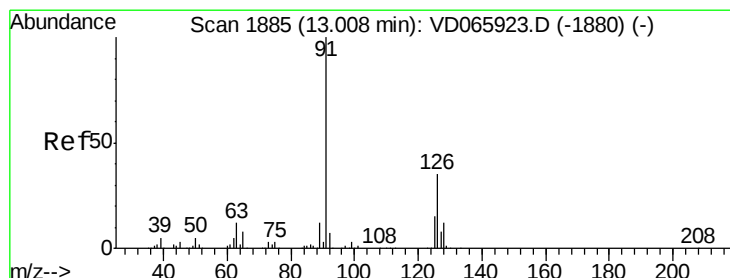
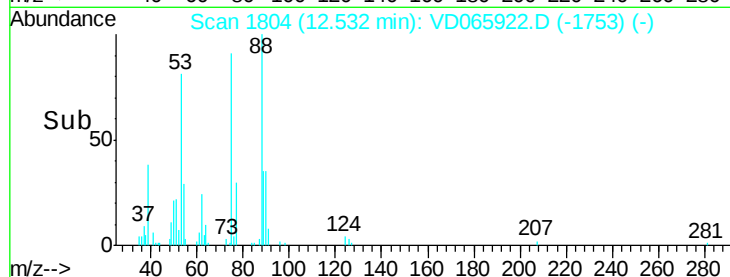
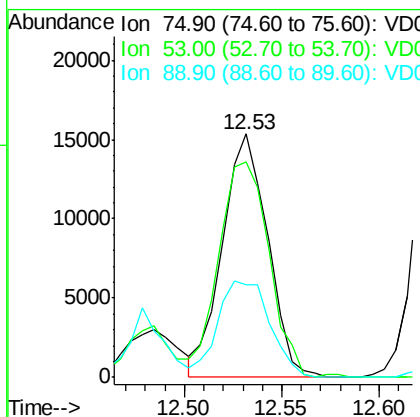
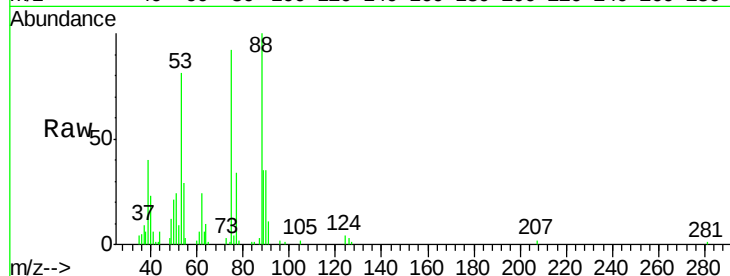
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	24731
Ion	Ratio	Lower	Upper
75	100		
53	99.3	75.8	113.8
89	45.9	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.556 ug/l

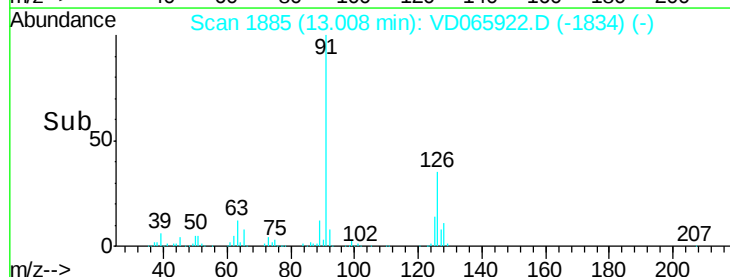
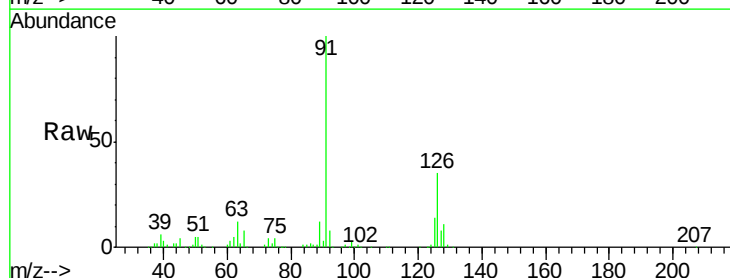
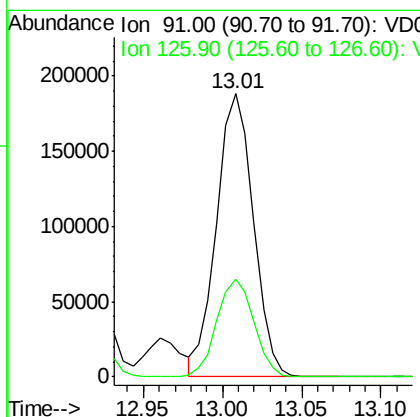
RT: 13.01 min Scan# 1885

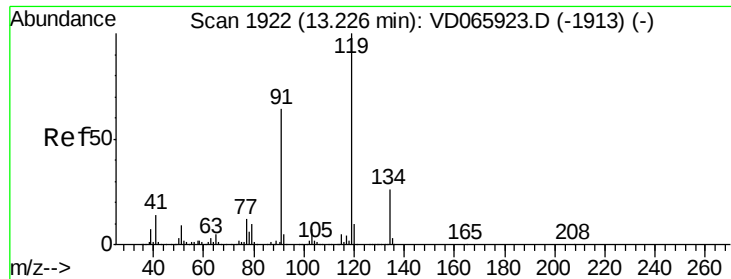
Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion:	91	Resp:	303743
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





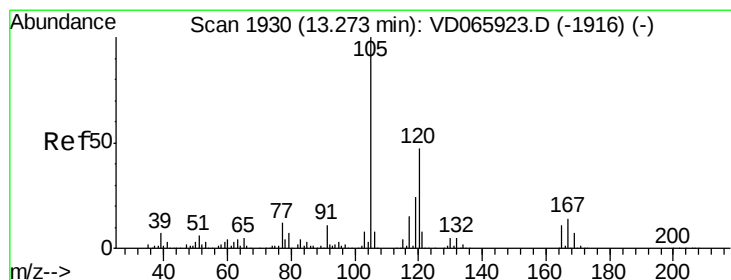
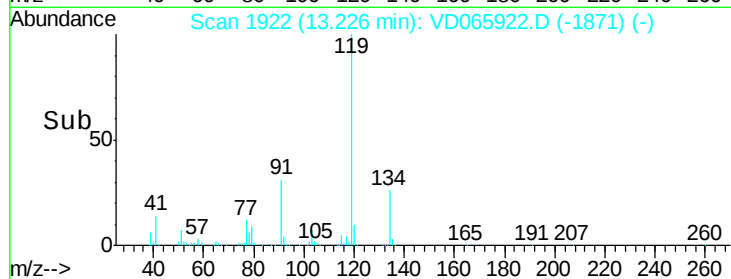
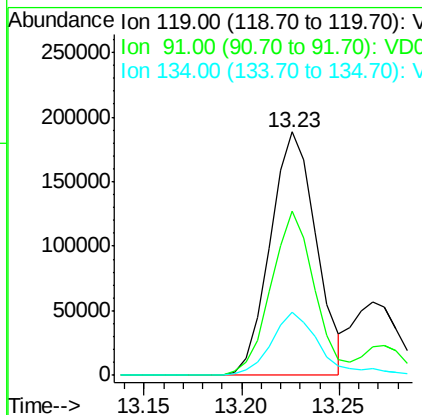
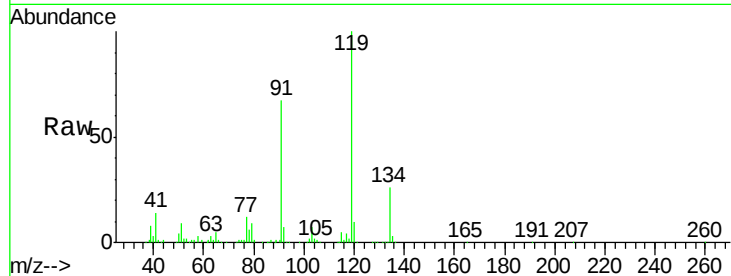
#83
tert-Butylbenzene
Concen: 20.894 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.4	97.2
134	27.4	14.1	42.4

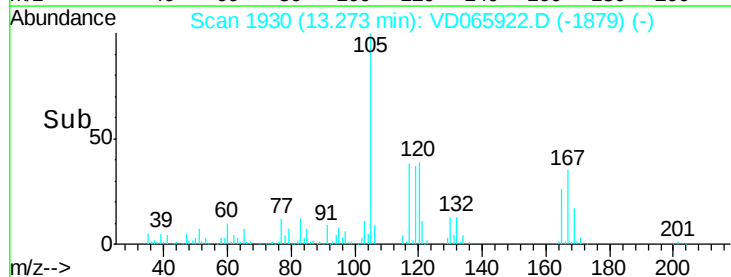
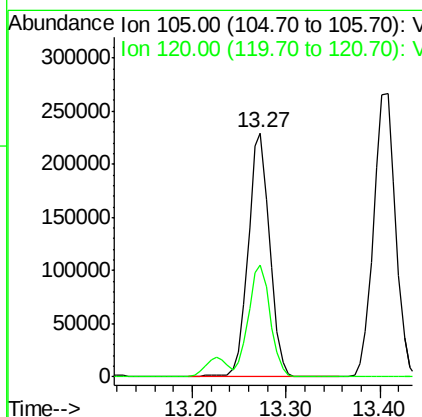
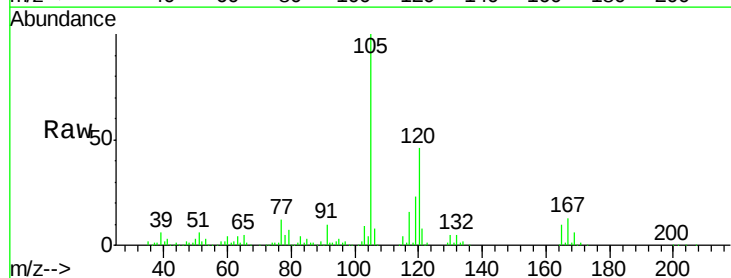
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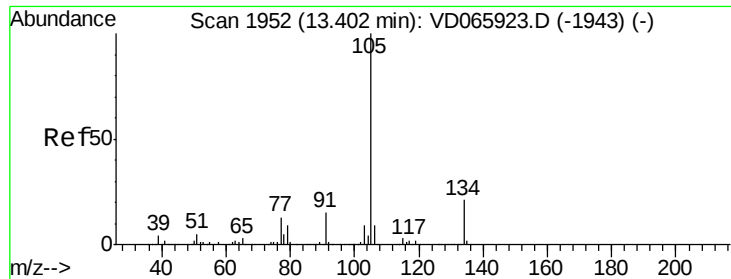
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#84
1,2,4-Trimethylbenzene
Concen: 20.980 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.641 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 431637

Ion Ratio Lower Upper

105 100

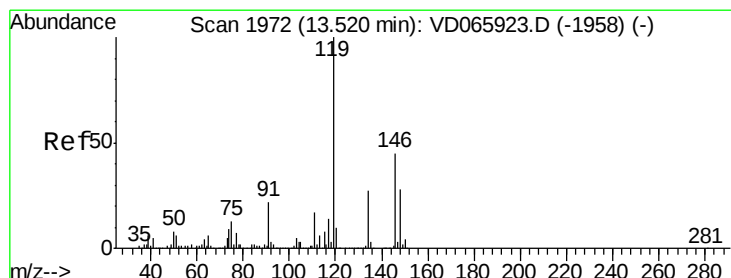
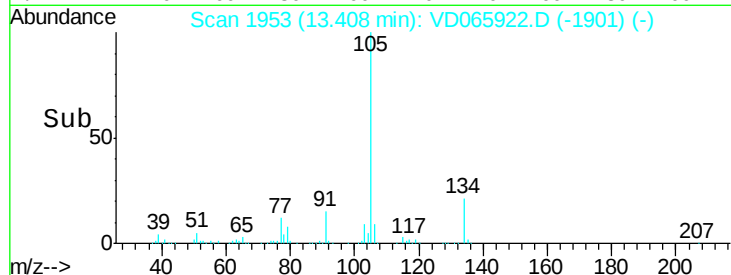
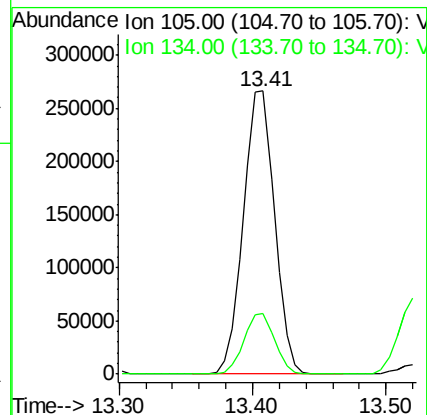
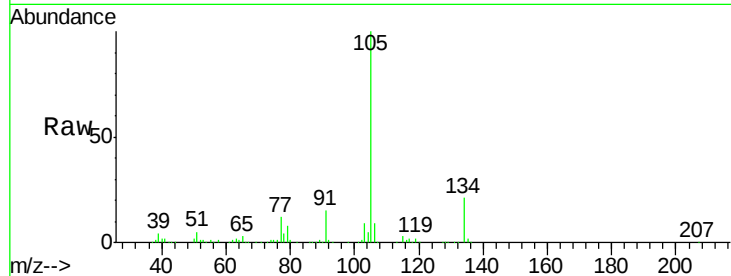
134 21.1 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.591 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

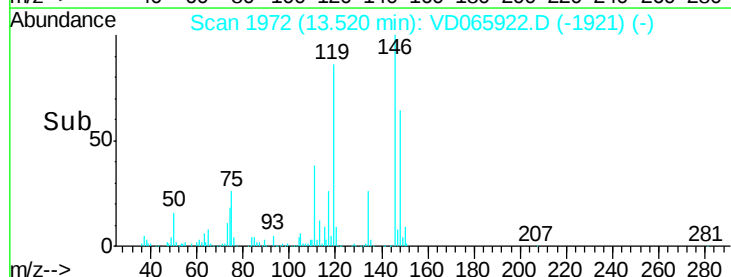
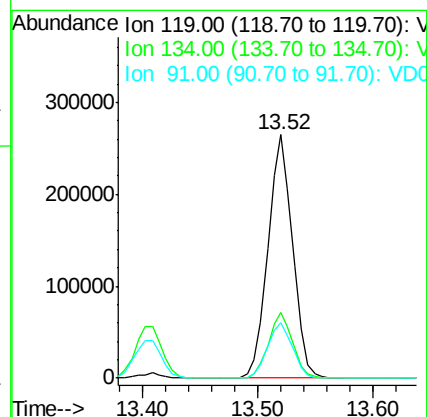
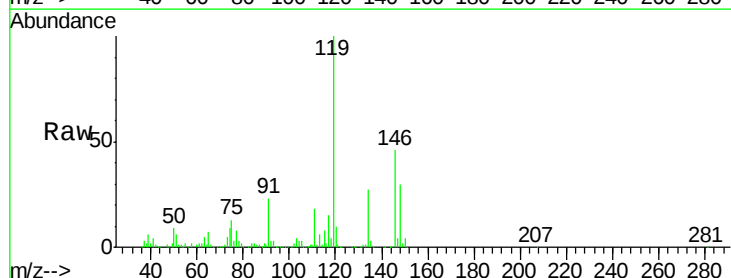
Tgt Ion:119 Resp: 393835

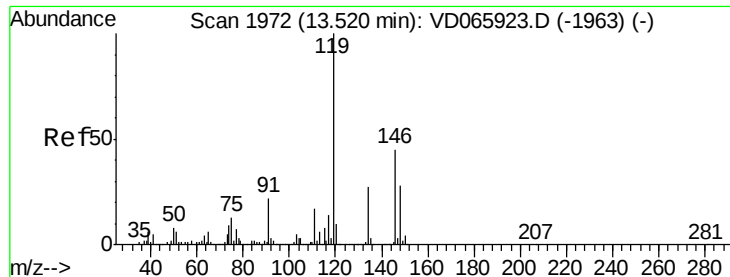
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.0 11.3 33.8





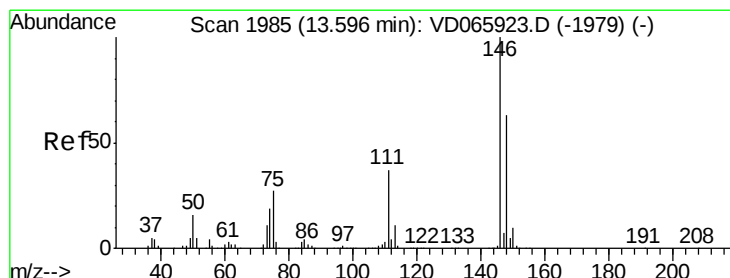
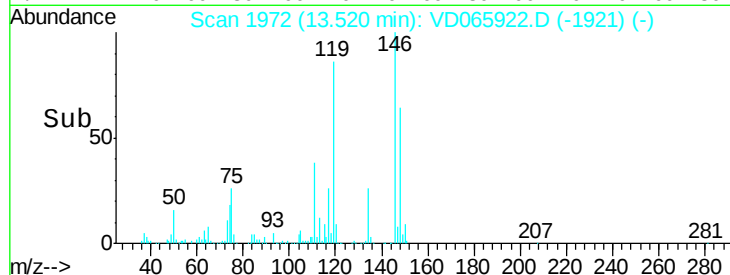
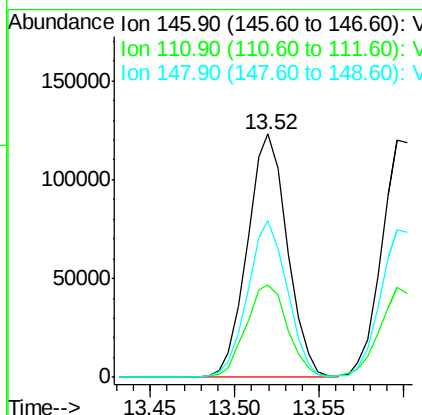
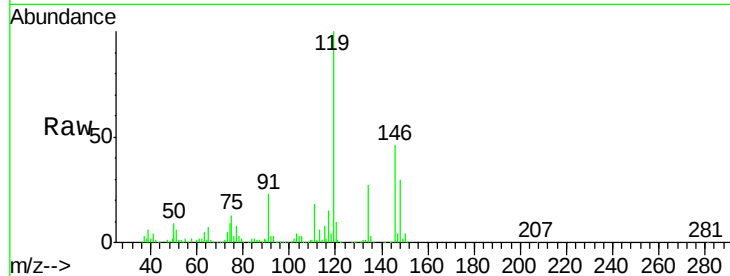
#87
 1,3-Dichlorobenzene
 Concen: 21.061 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202399		
111	39.4	19.3	57.8	
148	63.6	32.0	96.0	

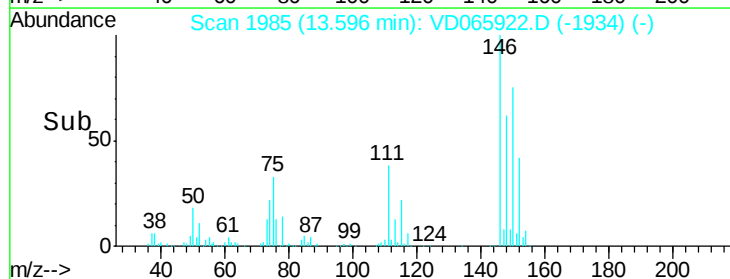
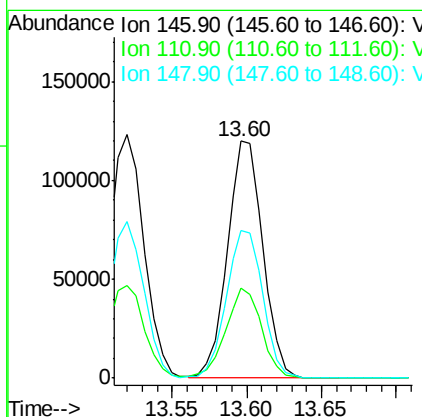
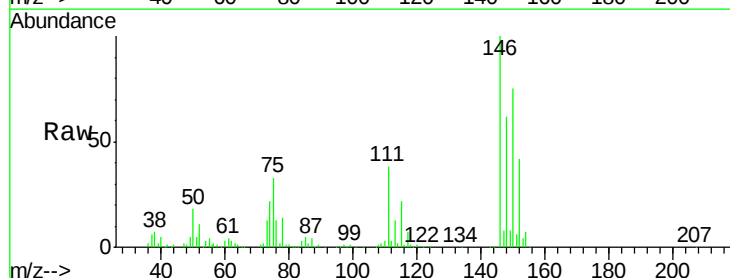
Manual Integrations
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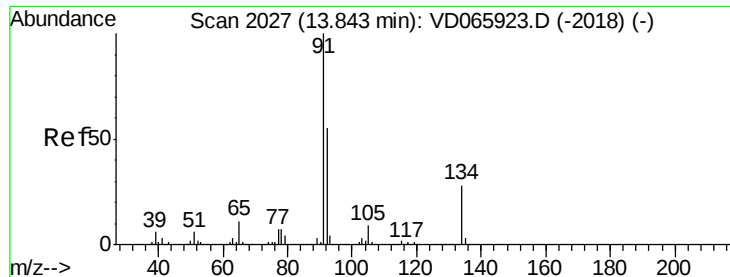
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#88
 1,4-Dichlorobenzene
 Concen: 20.750 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	198946		
111	38.3	18.9	56.7	
148	64.1	32.1	96.3	





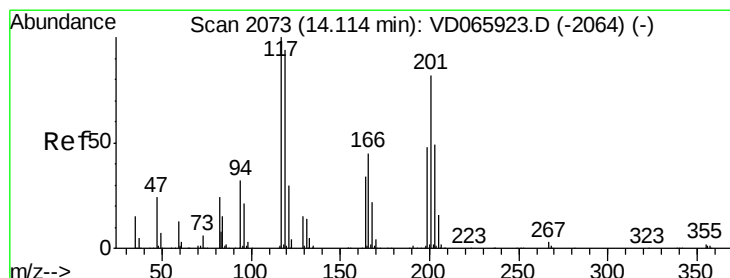
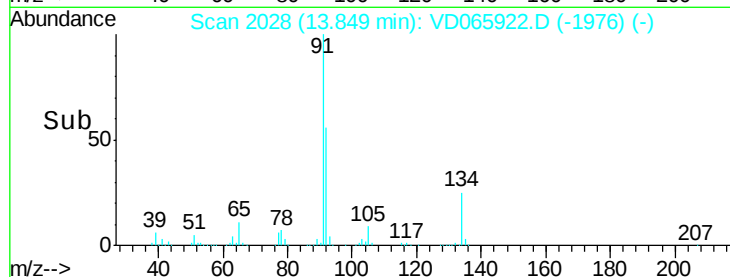
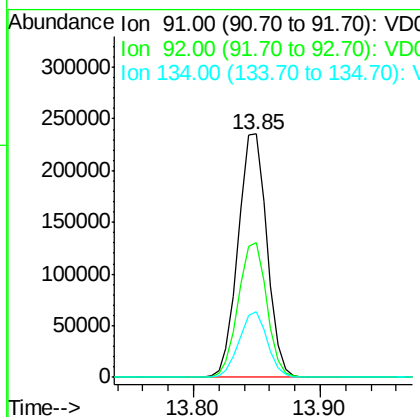
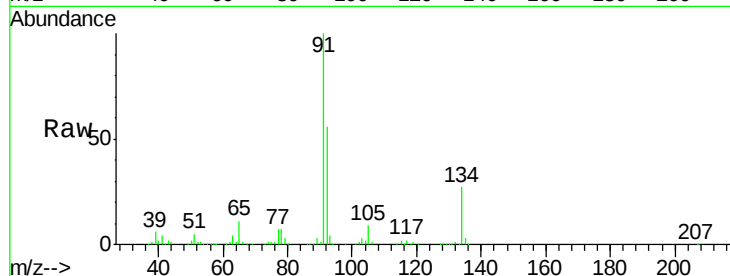
#89
n-Butylbenzene
Concen: 20.617 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	26.4	13.8	41.3

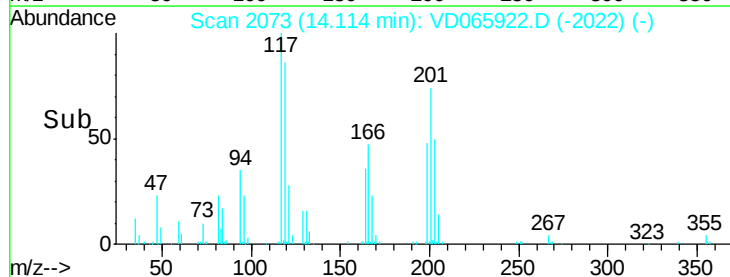
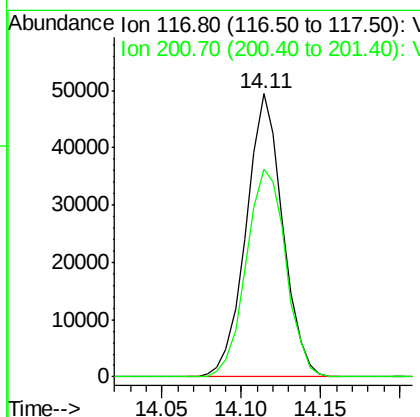
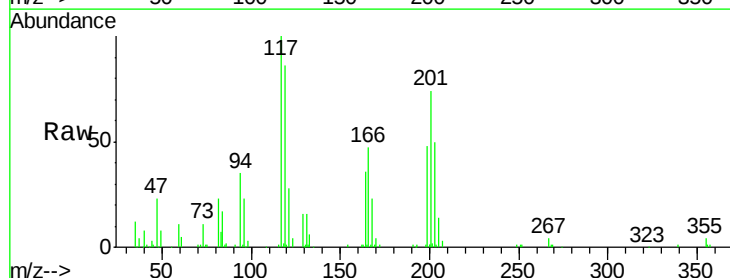
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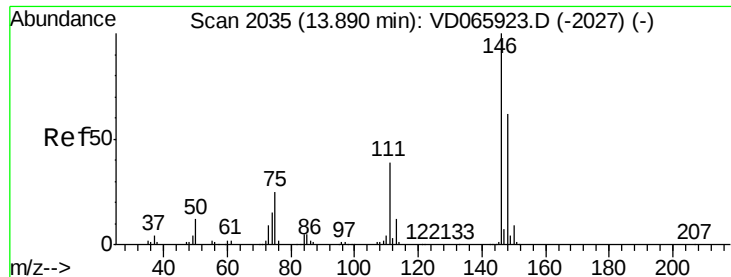
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#90
Hexachloroethane
Concen: 20.613 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.0	120.0





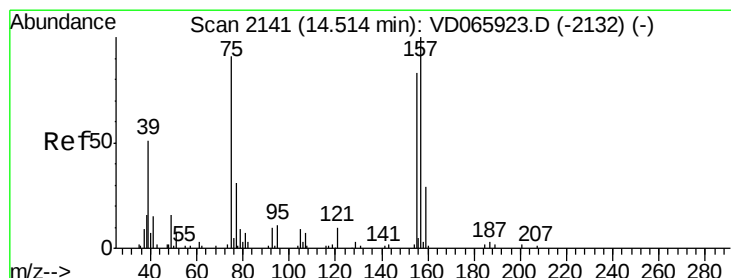
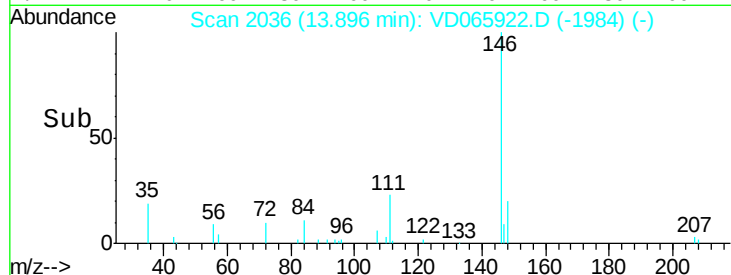
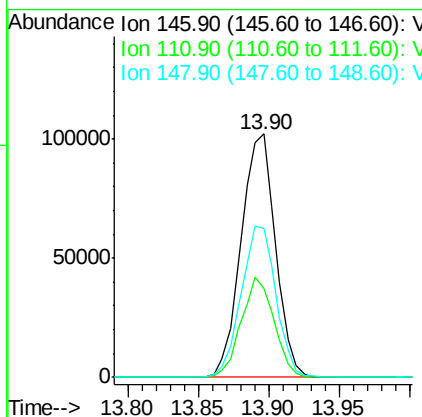
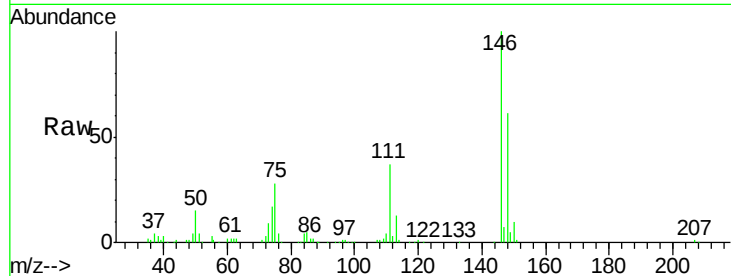
#91
 1,2-Dichlorobenzene
 Concen: 20.726 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	62.9	32.5	97.5

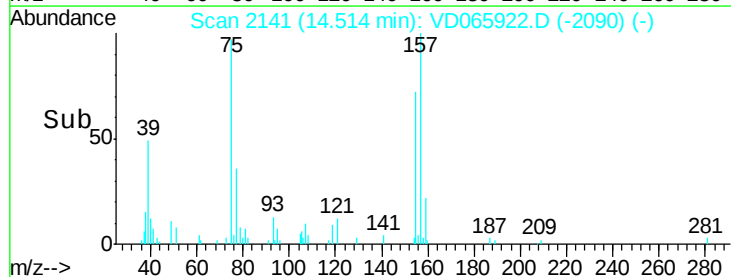
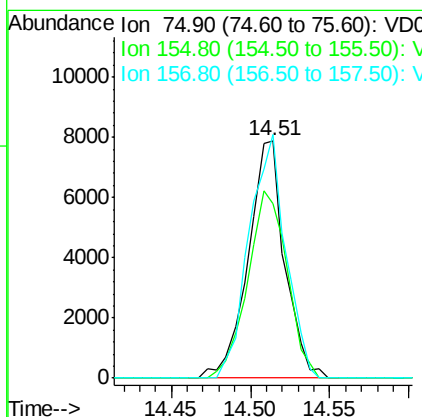
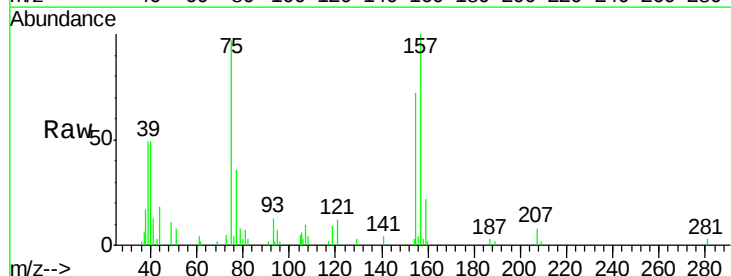
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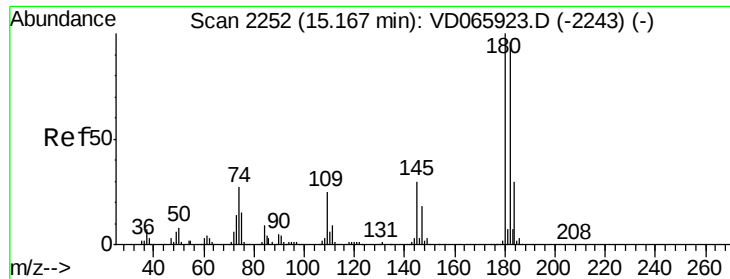
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.561 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	45.3	135.8
157	102.5	56.9	170.6





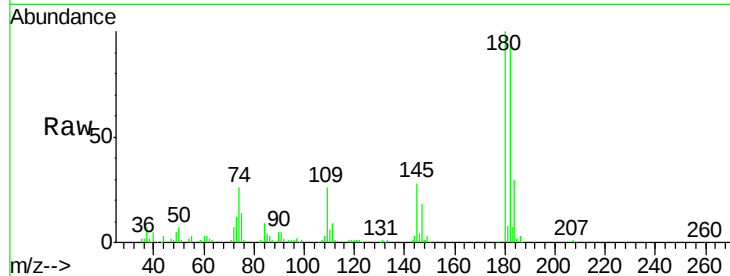
#93
 1,2,4-Trichlorobenzene
 Concen: 20.668 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

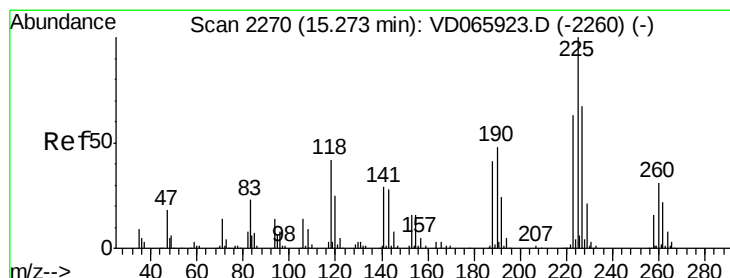
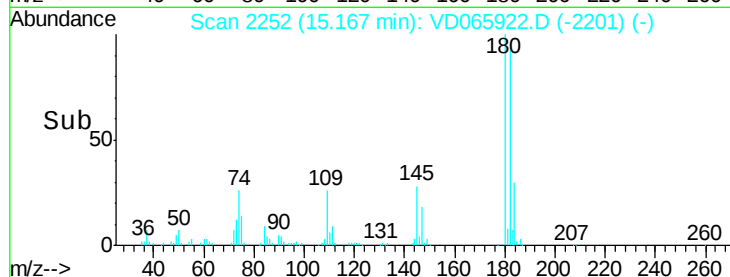
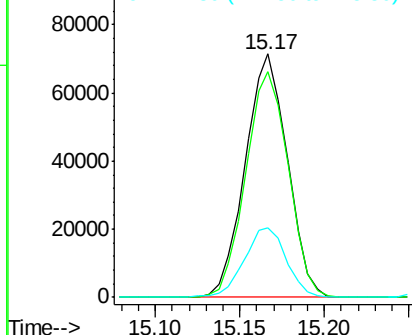
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	48.5	145.6	
145	28.4	15.0	45.1	

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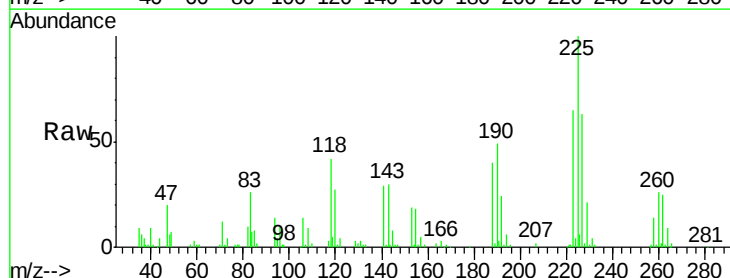


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

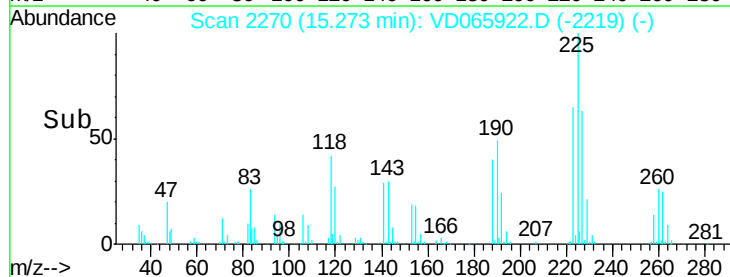
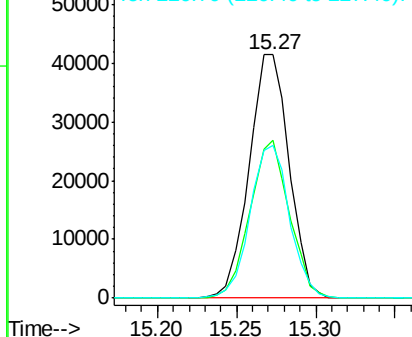


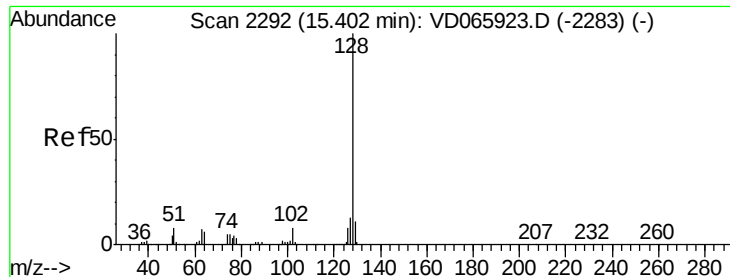
#94
 Hexachlorobutadiene
 Concen: 20.117 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.1	93.2	
227	62.0	31.6	95.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





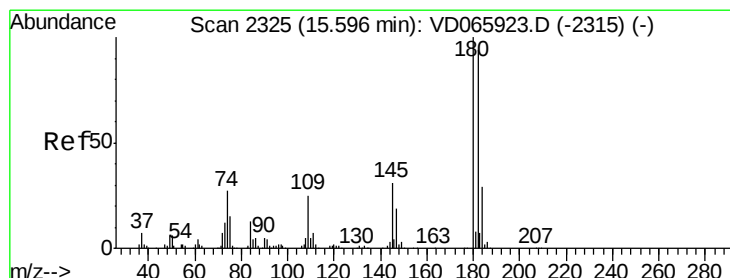
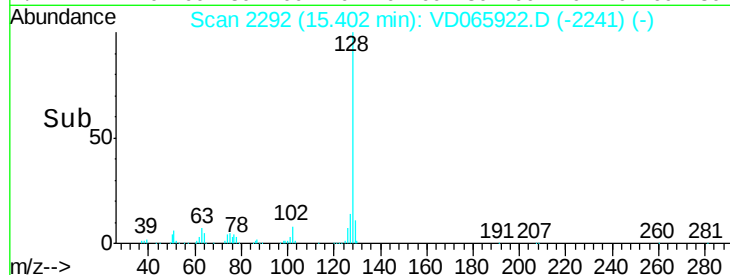
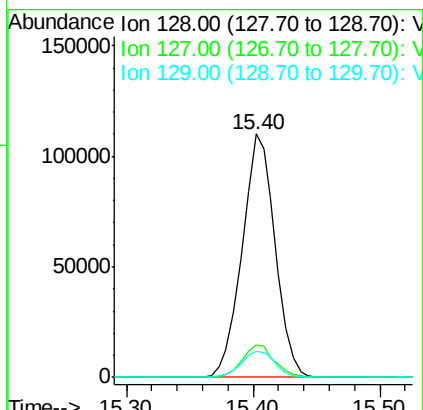
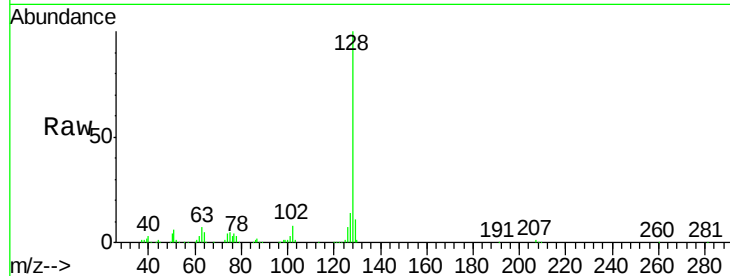
#95
Naphthalene
Concen: 19.710 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	197891		
127	13.1		10.8	16.2
129	11.2		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 20.856 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107694		
182	93.9		47.6	142.8
145	31.5		16.1	48.2

