

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065697.D
 Acq On : 06 May 2020 15:11
 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

MMDadoda
 5/7/2020 10:35:57 AM

Quant Time: May 06 16:31:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	738670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93012	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
35) Dibromofluoromethane	7.92	113	90372	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
50) Toluene-d8	10.34	98	335150	18.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.02%	
62) 4-Bromofluorobenzene	12.64	95	120693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65900	16.069	ug/l	98
3) Chloromethane	2.21	50	91044	17.596	ug/l	96
4) Vinyl Chloride	2.35	62	92643	19.007	ug/l	97
5) Bromomethane	2.75	94	59851	17.546	ug/l	94
6) Chloroethane	2.91	64	59952	19.761	ug/l	92
7) Trichlorofluoromethane	3.27	101	147764	19.639	ug/l	100
8) Diethyl Ether	3.71	74	48654	28.971	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92466	19.115	ug/l	98
10) Methyl Iodide	4.30	142	81981	17.658	ug/l	98
11) Tert butyl alcohol	5.23	59	49575	196.209	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	90096	19.975	ug/l	97
13) Acrolein	3.92	56	42803	131.781	ug/l	99
14) Allyl chloride	4.71	41	181261	25.697	ug/l	98
15) Acrylonitrile	5.43	53	114467	120.593	ug/l	98
16) Acetone	4.16	43	100406	115.466	ug/l	96
17) Carbon Disulfide	4.41	76	296064	19.795	ug/l	99
18) Methyl Acetate	4.72	43	52687	21.886	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	225124	24.795	ug/l	94
20) Methylene Chloride	4.96	84	107739	20.255	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	105829	20.915	ug/l	96
22) Diisopropyl ether	6.37	45	341495	25.448	ug/l	96
23) Vinyl Acetate	6.31	43	1053207	143.576	ug/l	98
24) 1,1-Dichloroethane	6.27	63	185088	21.411	ug/l	100
25) 2-Butanone	7.21	43	156408	131.820	ug/l	100
26) 2,2-Dichloropropane	7.21	77	168353	21.726	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113084	21.507	ug/l	100
28) Bromochloromethane	7.55	49	78270	22.081	ug/l	99
29) Tetrahydrofuran	7.57	42	103314	138.947	ug/l	99
30) Chloroform	7.71	83	182193	20.440	ug/l	98
31) Cyclohexane	7.98	56	188900	23.185	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	164930	20.407	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146948	19.697	ug/l	97
37) Ethyl Acetate	7.30	43	69284	23.584	ug/l #	94
38) Carbon Tetrachloride	8.10	117	146415	18.335	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183339	21.613	ug/l	97
40) Benzene	8.36	78	405644	19.187	ug/l	99
41) Methacrylonitrile	7.52	41	35896m	22.009	ug/l	
42) 1,2-Dichloroethane	8.43	62	116011	19.387	ug/l	97
43) Isopropyl Acetate	8.46	43	148565	27.179	ug/l	99
44) Trichloroethene	9.11	130	111479	18.437	ug/l	91
45) 1,2-Dichloropropane	9.39	63	106541	20.409	ug/l	98
46) Dibromomethane	9.48	93	52026	18.658	ug/l	96
47) Bromodichloromethane	9.66	83	142118	19.501	ug/l	97
48) Methyl methacrylate	9.46	41	74276	28.753	ug/l	99
49) 1,4-Dioxane	9.46	88	13538	444.275	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362257	130.584	ug/l	100
52) Toluene	10.41	92	259358	19.497	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	142818	21.624	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	170736	21.289	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	74515	19.123	ug/l	99
56) Ethyl methacrylate	10.66	69	103933	25.239	ug/l	98
57) 1,3-Dichloropropane	10.95	76	132493	20.333	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238539	112.434	ug/l	99
59) 2-Hexanone	10.99	43	246013	132.676	ug/l	99
60) Dibromochloromethane	11.14	129	96793	18.783	ug/l	97
61) 1,2-Dibromoethane	11.25	107	73315	19.645	ug/l	99
64) Tetrachloroethene	10.88	164	94682	18.724	ug/l	95
65) Chlorobenzene	11.67	112	270919	19.560	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	101022	19.180	ug/l	99
67) Ethyl Benzene	11.75	91	502638	21.750	ug/l	99
68) m/p-Xylenes	11.86	106	371147	41.273	ug/l	98
69) o-Xylene	12.18	106	175002	22.261	ug/l	99
70) Styrene	12.20	104	300422	21.819	ug/l	99
71) Bromoform	12.37	173	57773	19.387	ug/l #	99
73) Isopropylbenzene	12.48	105	479723	24.027	ug/l	100
74) N-amyl acetate	12.29	43	142146	32.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82259	22.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	54236m	21.452	ug/l	
77) Bromobenzene	12.77	156	111872	20.840	ug/l	99
78) n-propylbenzene	12.83	91	567969	23.590	ug/l	100
79) 2-Chlorotoluene	12.91	91	320345	23.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	393711	23.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31846	28.080	ug/l	99
82) 4-Chlorotoluene	13.01	91	334626	22.584	ug/l	100
83) tert-Butylbenzene	13.23	119	338477	24.207	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	397638	23.921	ug/l	99
85) sec-Butylbenzene	13.41	105	471215	23.504	ug/l	99
86) p-Isopropyltoluene	13.53	119	432117	23.551	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214508	20.733	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	207537	20.097	ug/l	99
89) n-Butylbenzene	13.85	91	415445	24.606	ug/l	100
90) Hexachloroethane	14.12	117	84461	20.990	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	184610	20.941	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14074	23.912	ug/l	95

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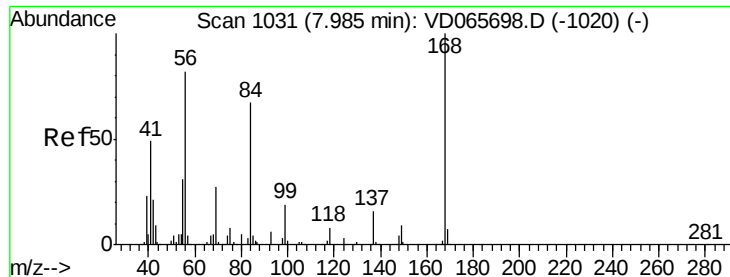
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	138965	23.451	ug/l	99
94) Hexachlorobutadiene	15.28	225	78533	19.622	ug/l	98
95) Naphthalene	15.41	128	239844	26.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	117138	22.935	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 471553

Ion Ratio Lower Upper

168 100

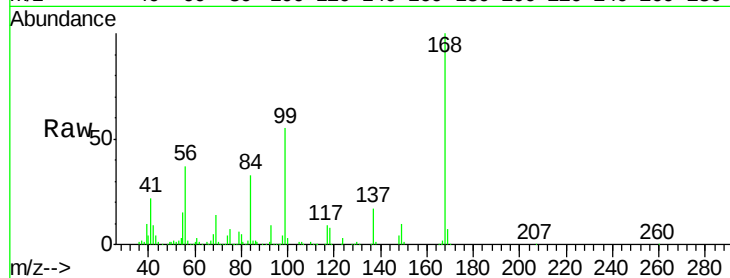
99 54.3 44.2 66.4

Manual Integrations

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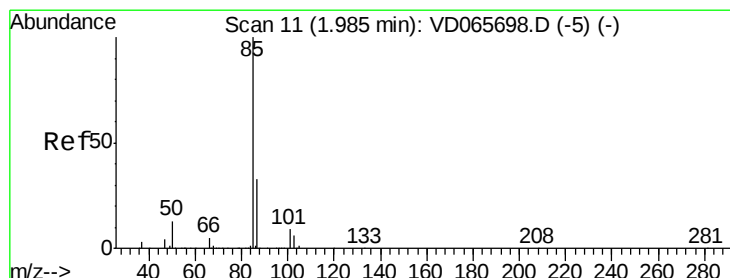
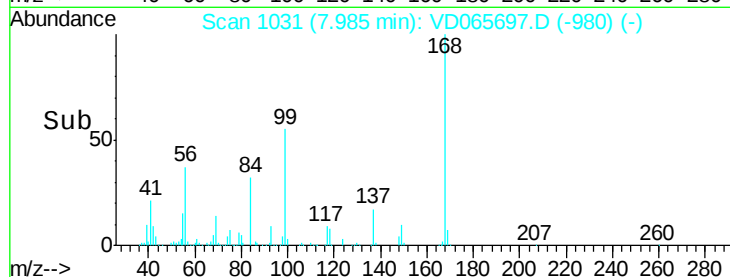
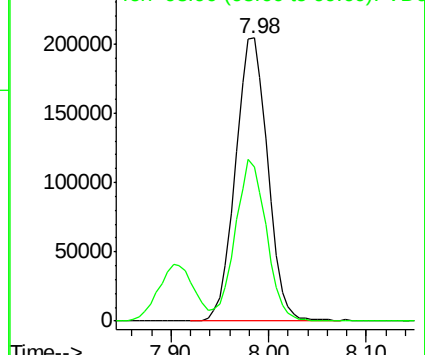
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.069 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065697.D

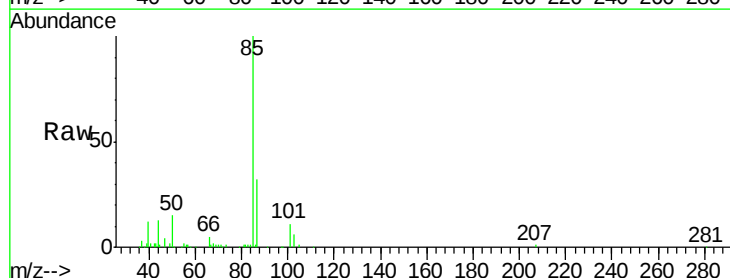
Acq: 06 May 2020 15:11

Tgt Ion: 85 Resp: 65900

Ion Ratio Lower Upper

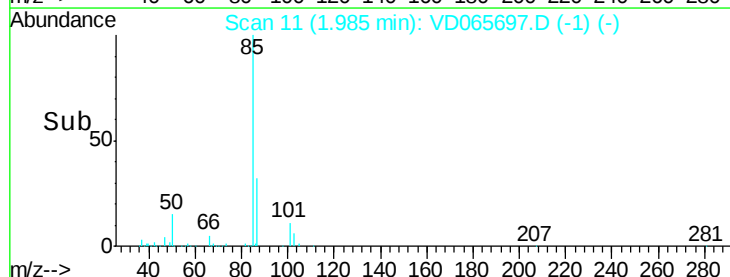
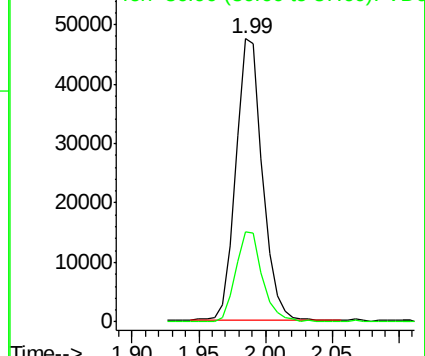
85 100

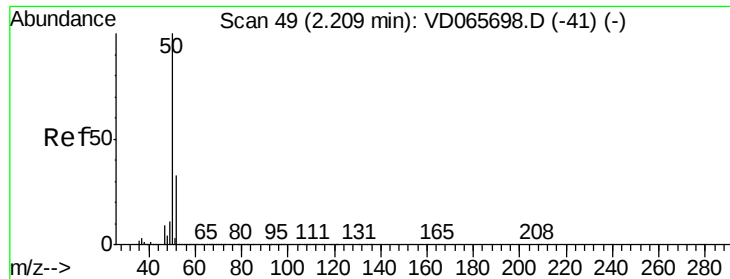
87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.596 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 91044

Ion Ratio Lower Upper

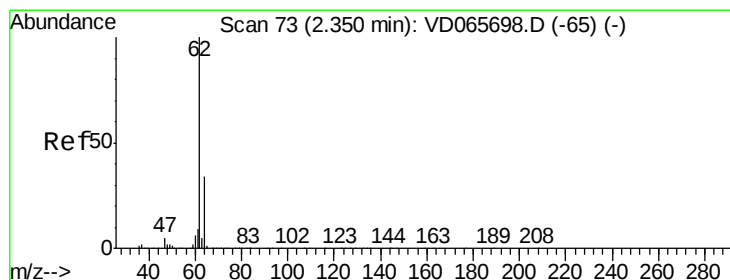
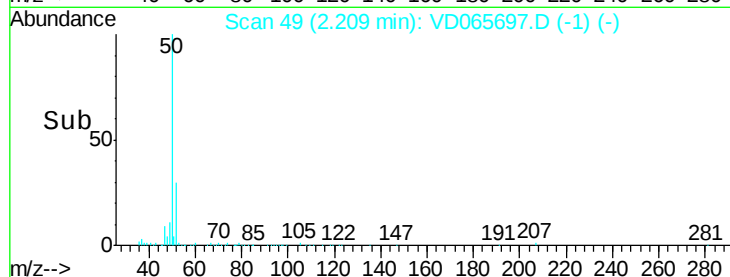
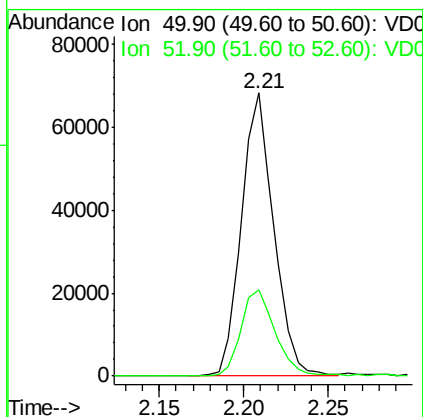
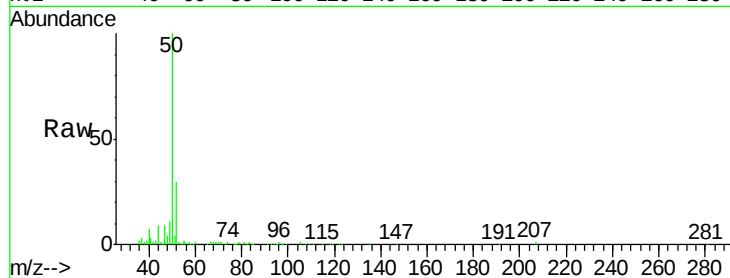
50 100

52 30.3 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.007 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065697.D

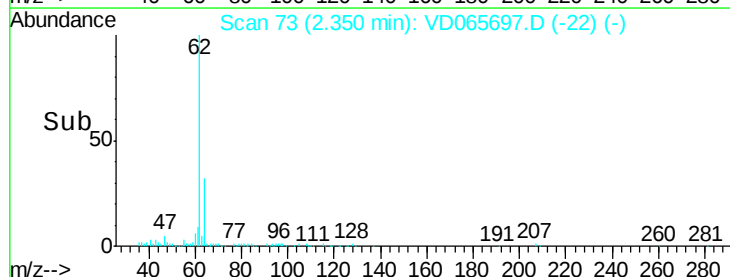
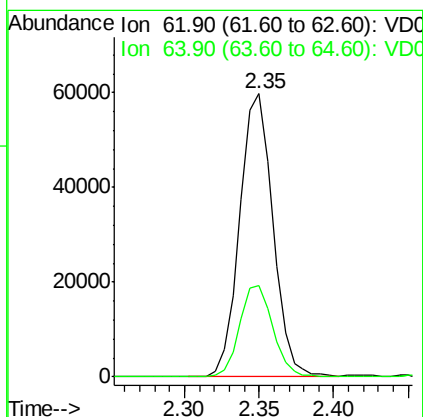
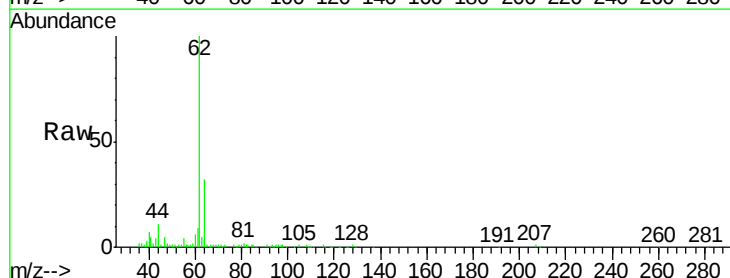
Acq: 06 May 2020 15:11

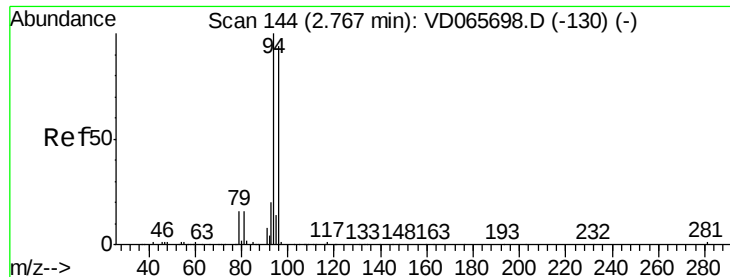
Tgt Ion: 62 Resp: 92643

Ion Ratio Lower Upper

62 100

64 32.1 27.2 40.8





#5

Bromomethane

Concen: 17.546 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 59851

Ion Ratio Lower Upper

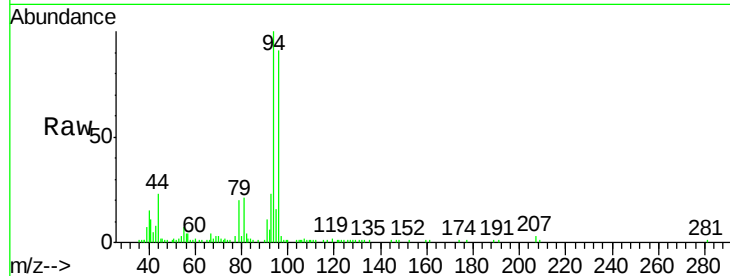
94 100

96 88.4 75.0 112.6

Manual Integrations
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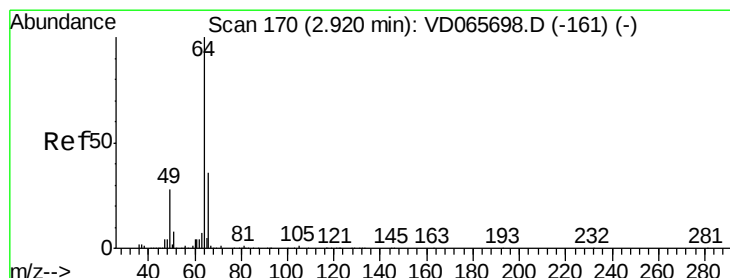
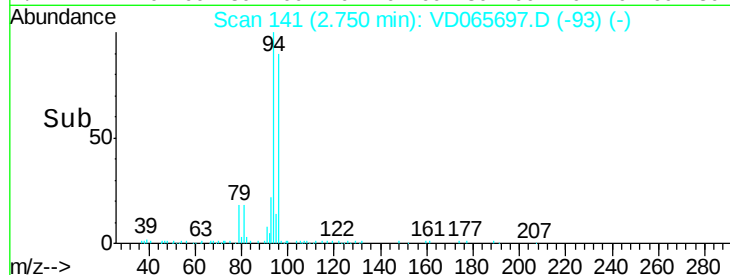
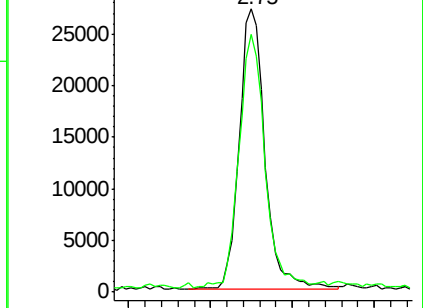
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.761 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065697.D

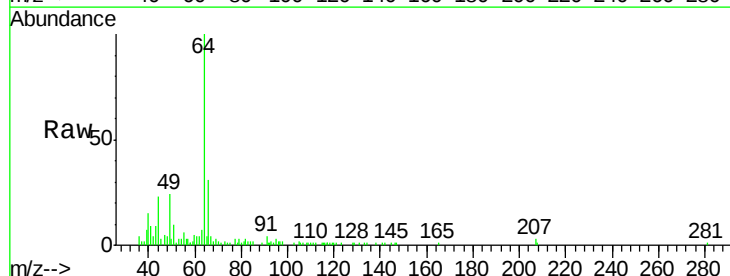
Acq: 06 May 2020 15:11

Tgt Ion: 64 Resp: 59952

Ion Ratio Lower Upper

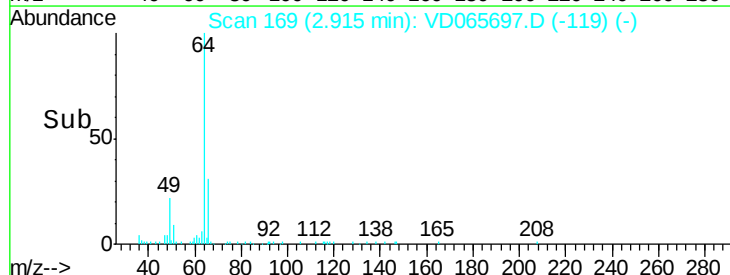
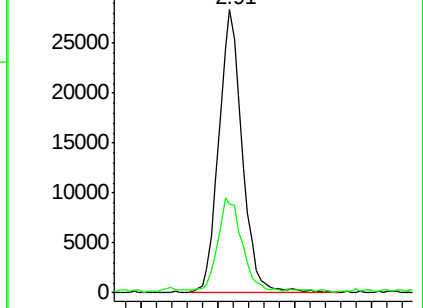
64 100

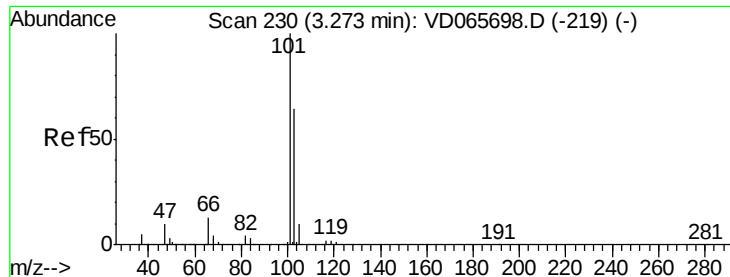
66 30.7 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

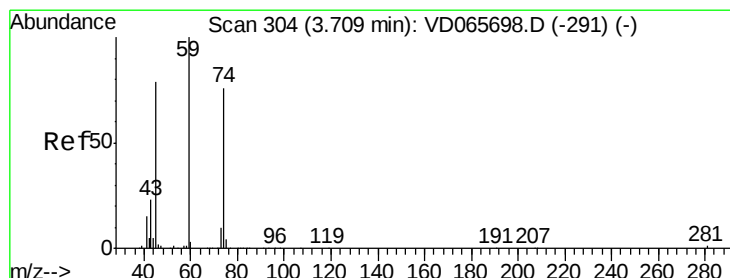
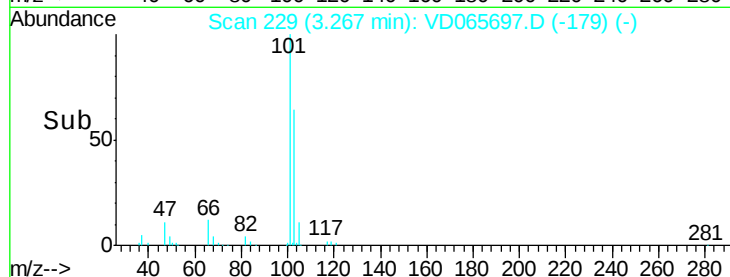
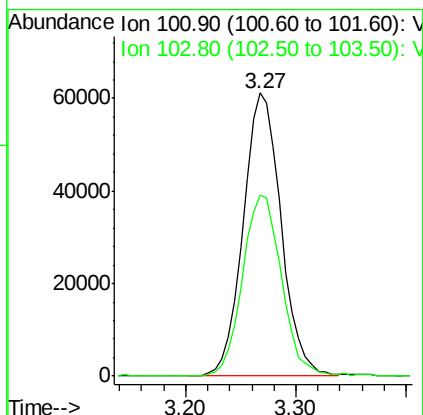
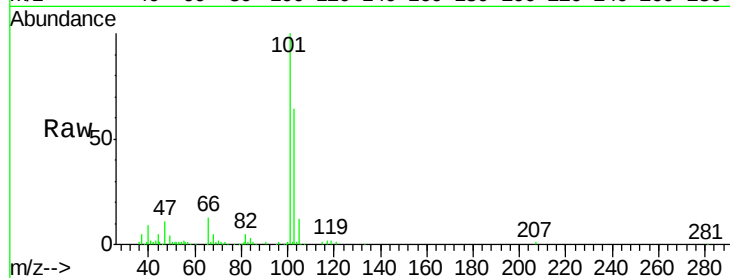
Trichlorofluoromethane
Concen: 19.639 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

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VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.1	76.7

Manual Integrations
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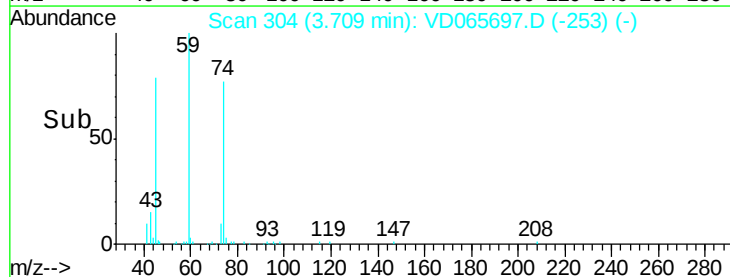
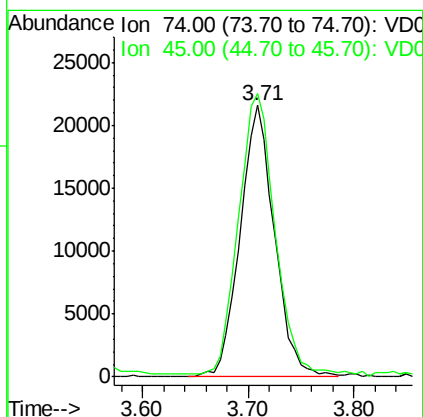
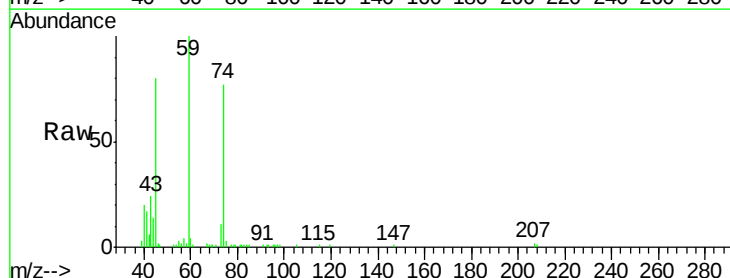
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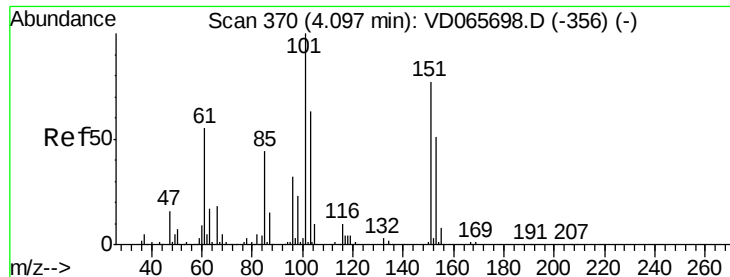


#8

Diethyl Ether
Concen: 28.971 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.115 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

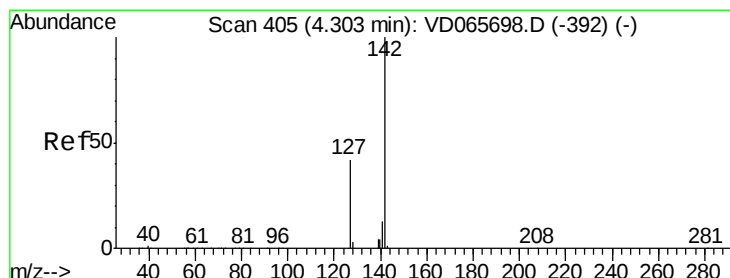
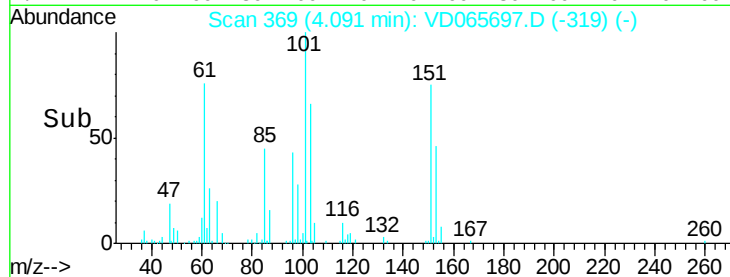
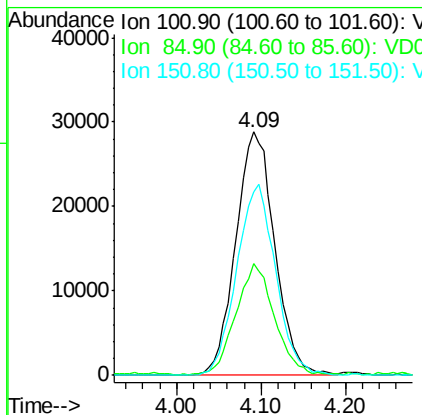
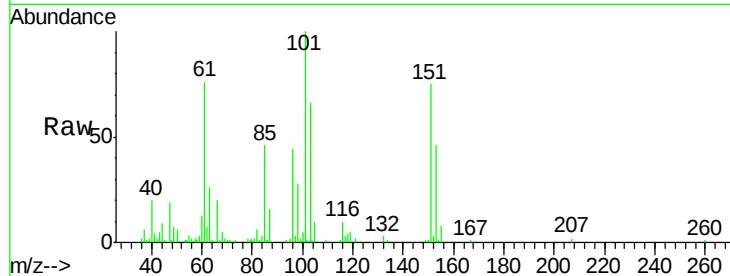
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	92466
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.4	51.6
151	78.3	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 17.658 ug/l

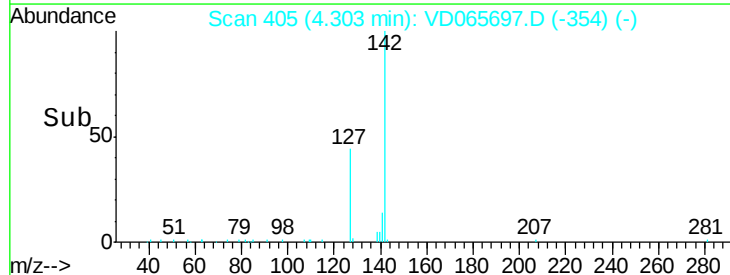
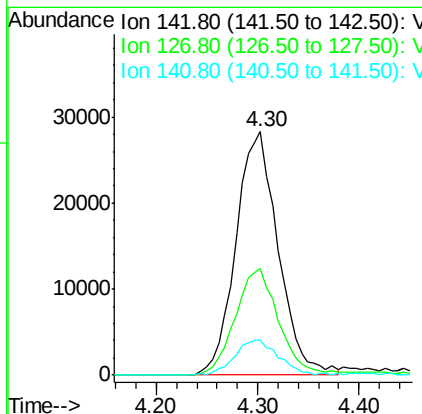
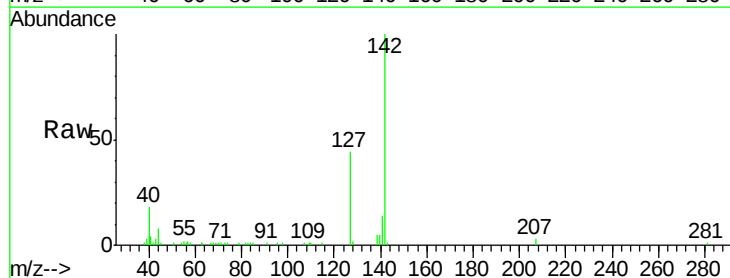
RT: 4.30 min Scan# 405

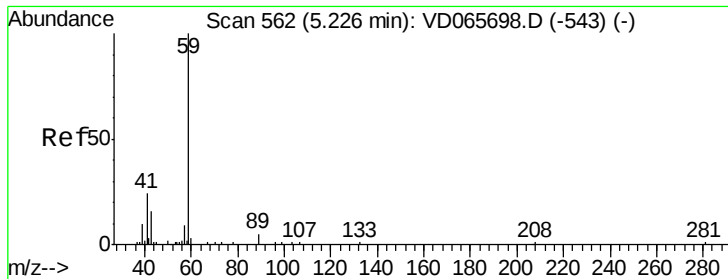
Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion:	142	Resp:	81981
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.5	51.7
141	14.8	11.6	17.4





#11

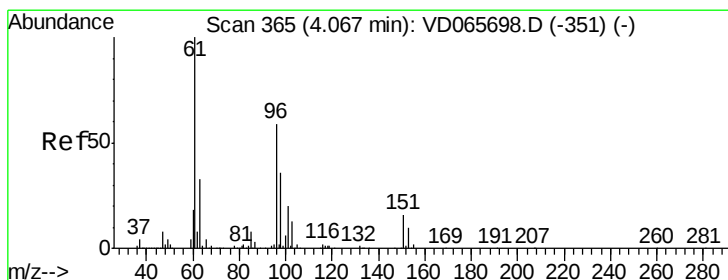
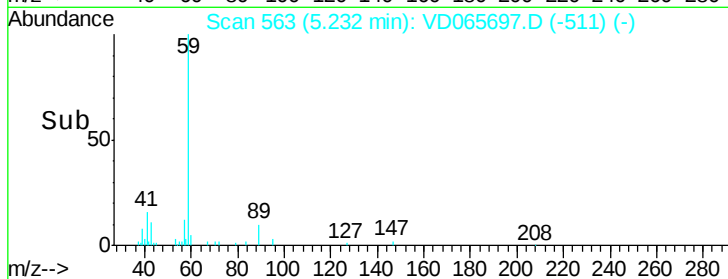
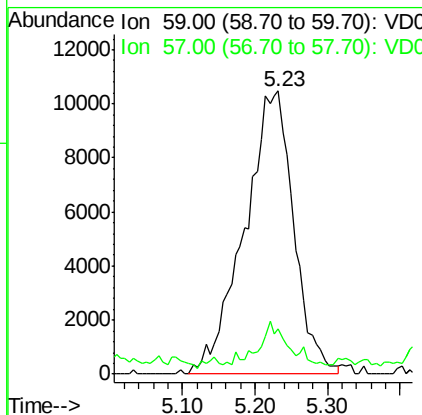
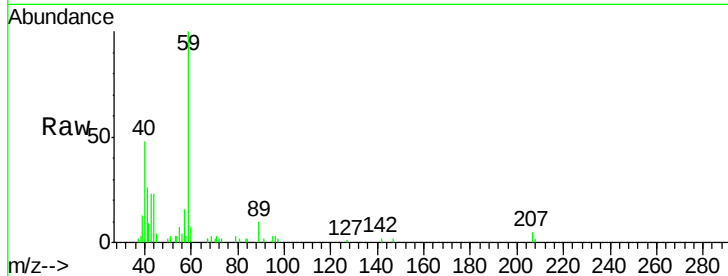
Tert butyl alcohol
Concen: 196.209 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.7	13.1#

Manual Integrations
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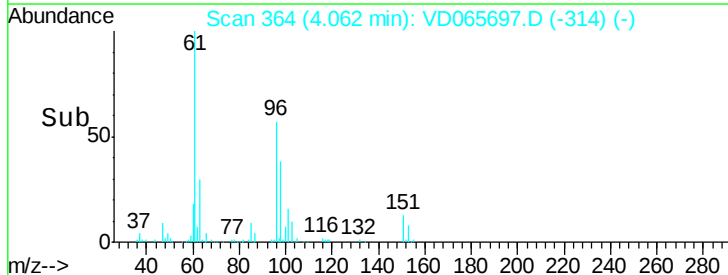
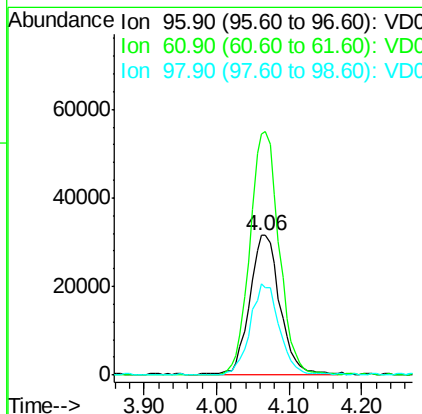
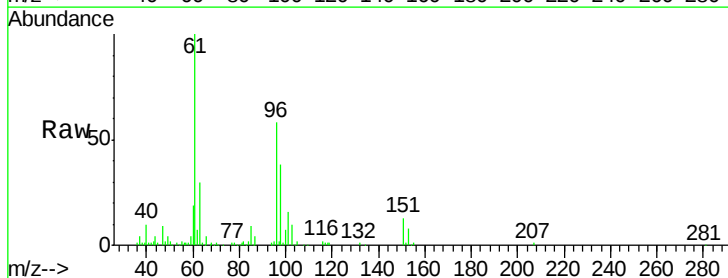
MMDadoda
5/7/2020 10:35:57 AM

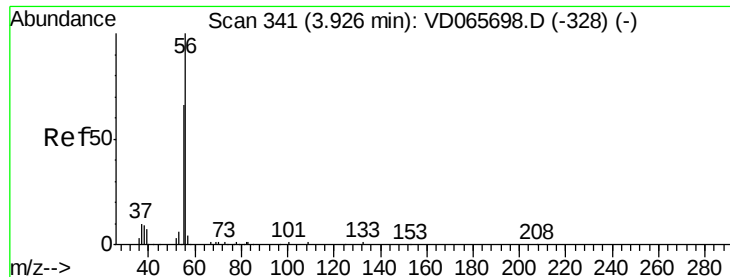


#12

1,1-Dichloroethene
Concen: 19.975 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	136.0	204.0
98	66.0	49.7	74.5





#13

Acrolein

Concen: 131.781 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 42803

Ion Ratio Lower Upper

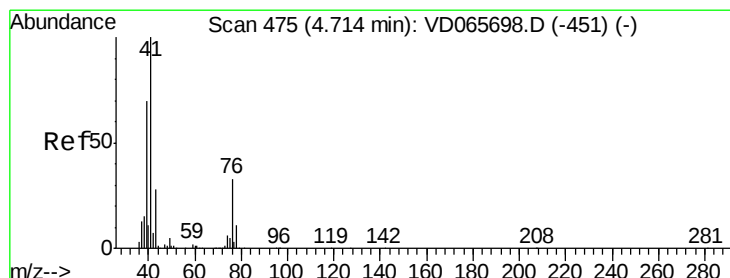
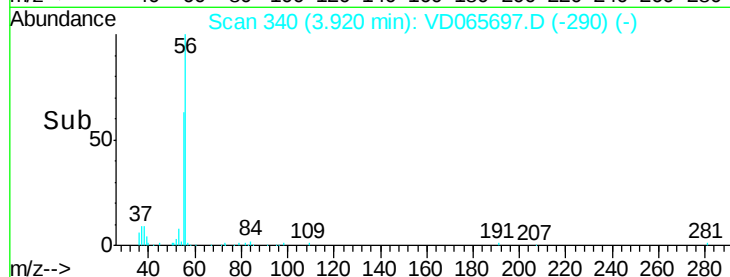
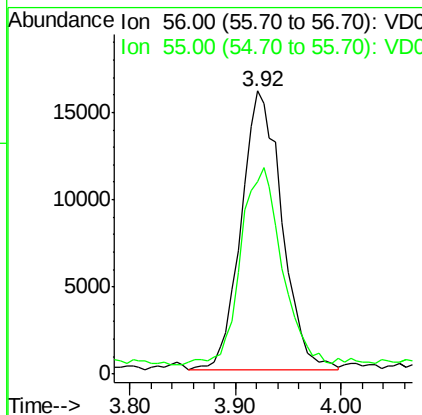
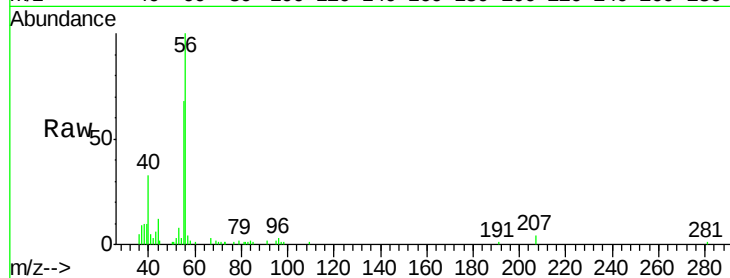
56 100

55 71.4 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 25.697 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

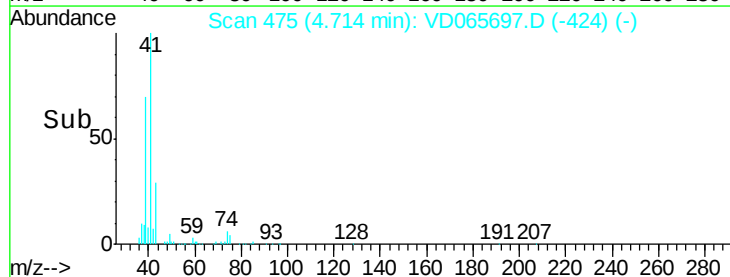
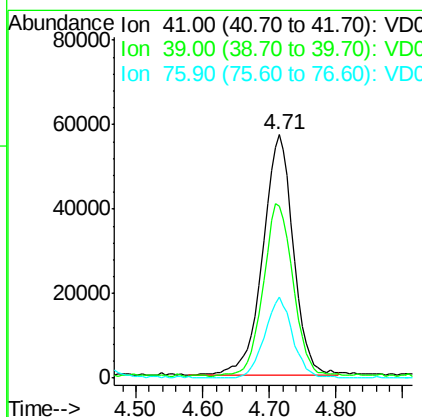
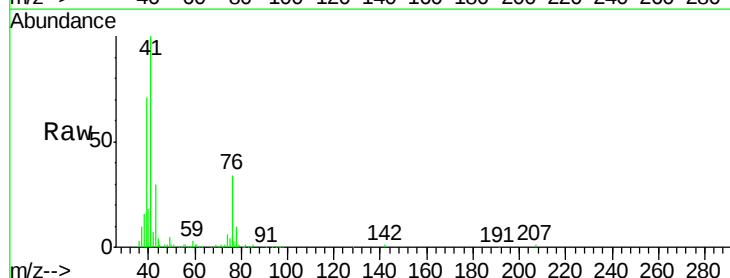
Tgt Ion: 41 Resp: 181261

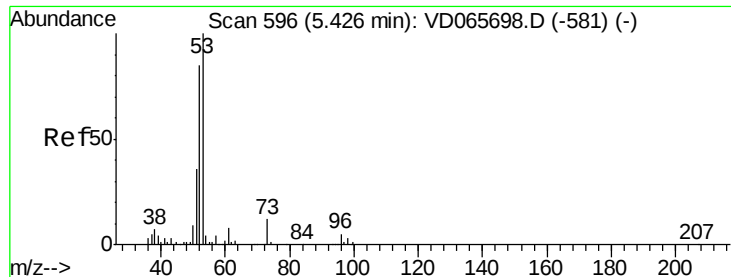
Ion Ratio Lower Upper

41 100

39 71.2 55.6 83.4

76 31.3 25.6 38.4





#15

Acrylonitrile

Concen: 120.593 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

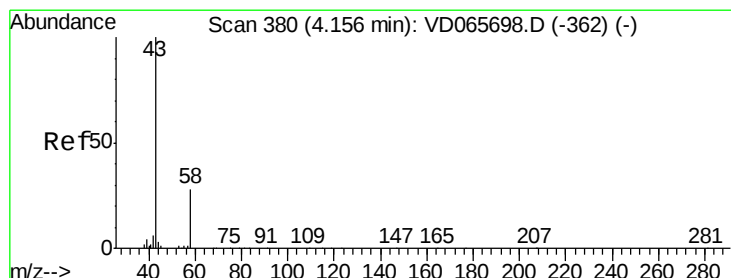
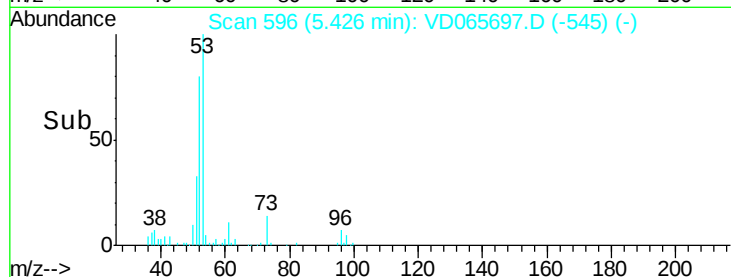
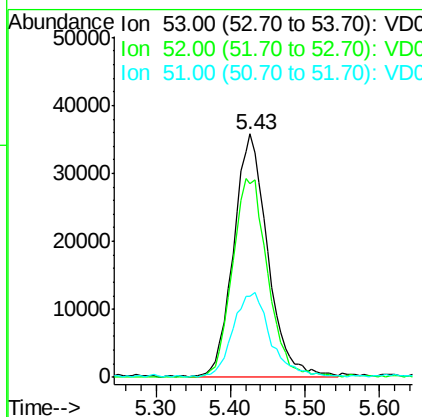
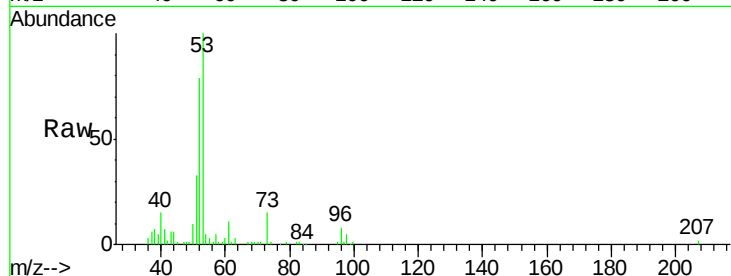
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	114467
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.2	99.2
51	38.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 115.466 ug/l

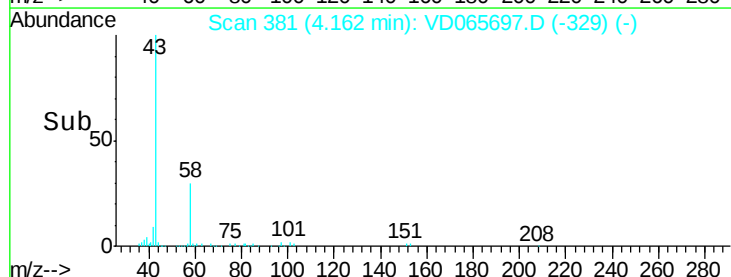
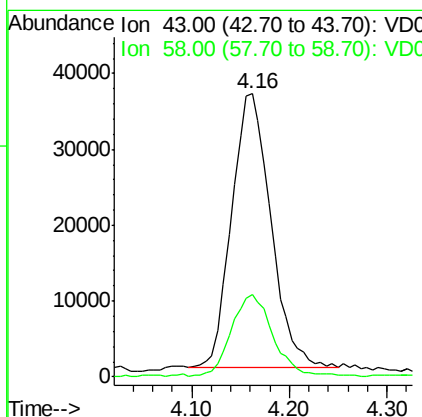
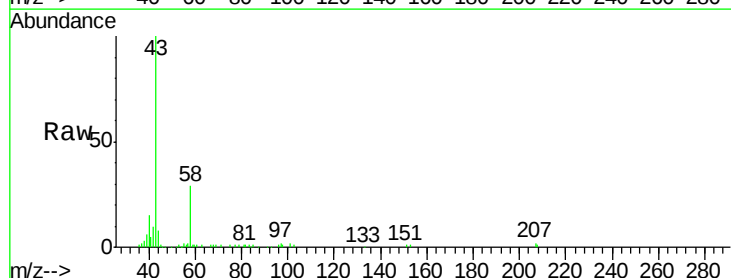
RT: 4.16 min Scan# 381

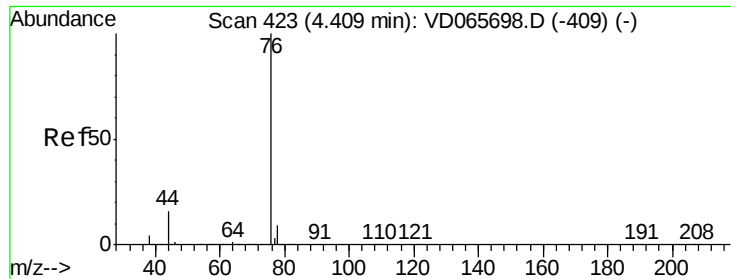
Delta R.T. 0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion:	43	Resp:	100406
Ion Ratio	Lower	Upper	
43	100		
58	30.0	22.5	33.7





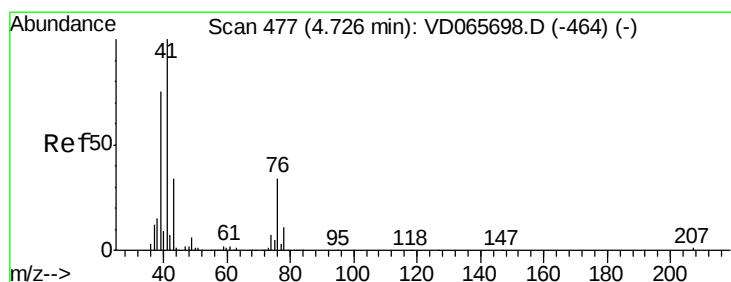
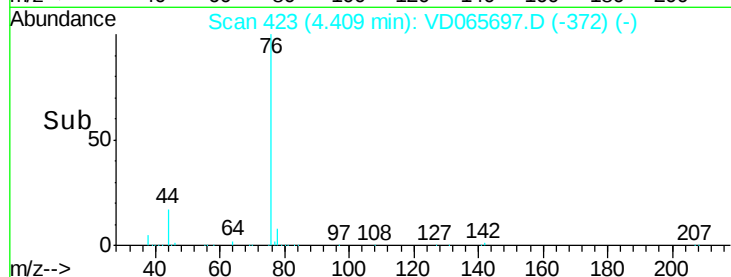
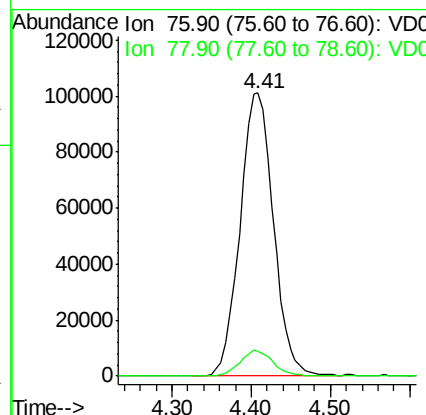
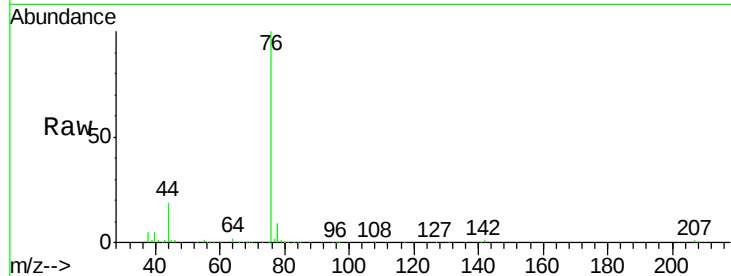
#17
Carbon Disulfide
Concen: 19.795 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

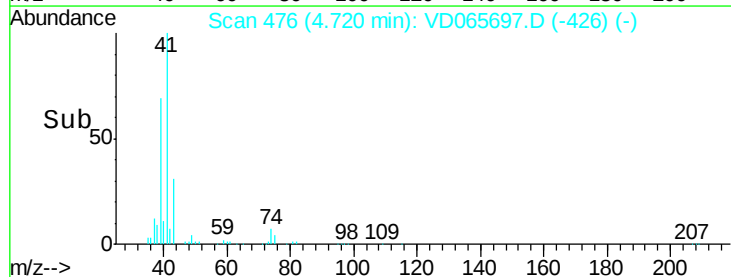
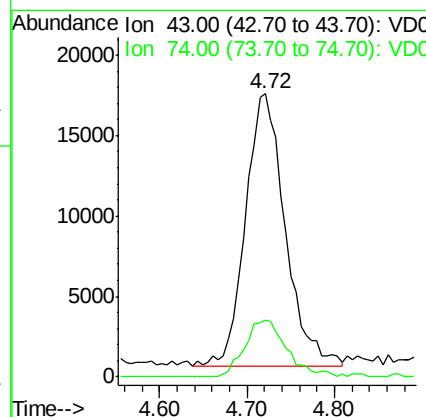
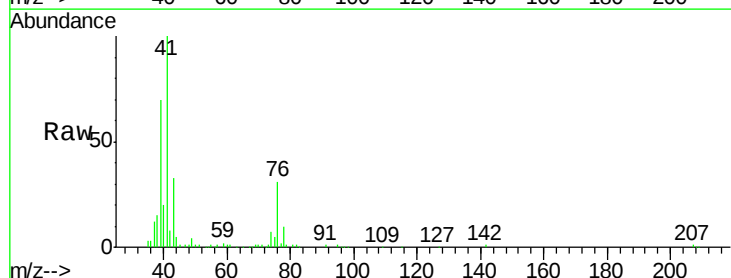
Manual Integrations
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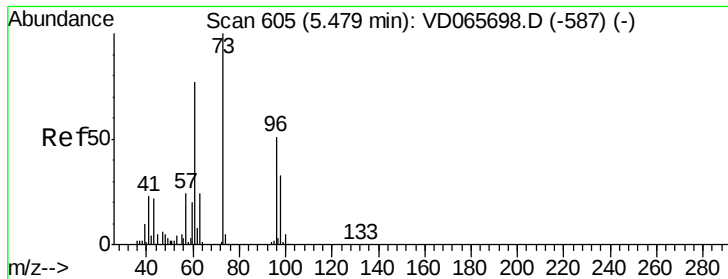
MMDadoda
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#18
Methyl Acetate
Concen: 21.886 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.1	25.7





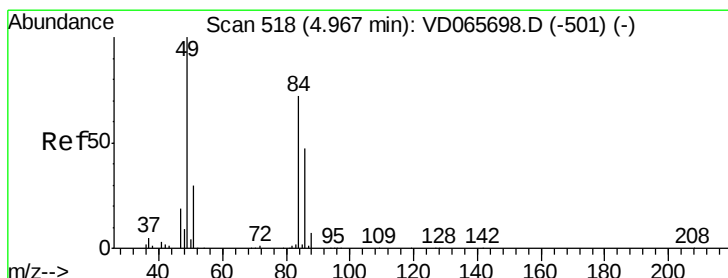
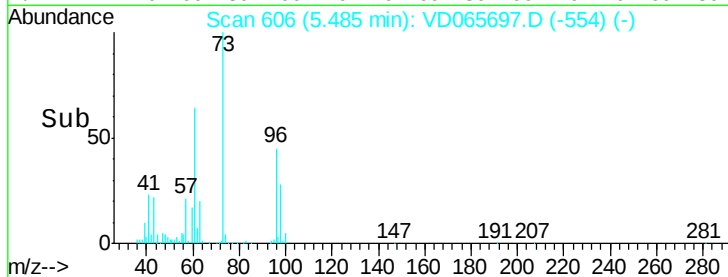
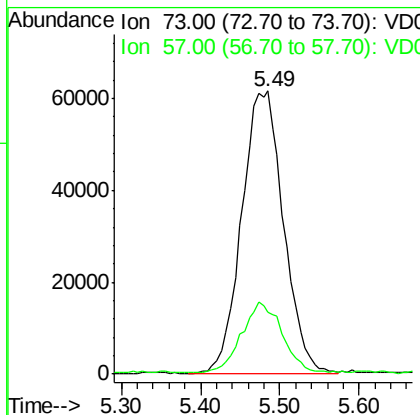
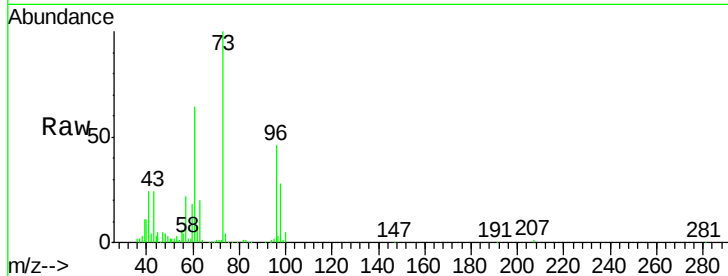
#19
Methvl tert-butvl Ether
Concen: 24.795 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 225124
Ion Ratio Lower Upper
73 100
57 21.2 19.4 29.0

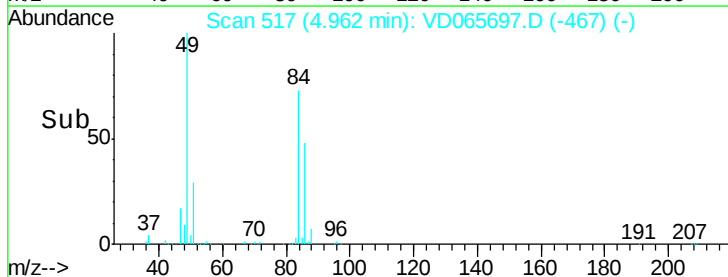
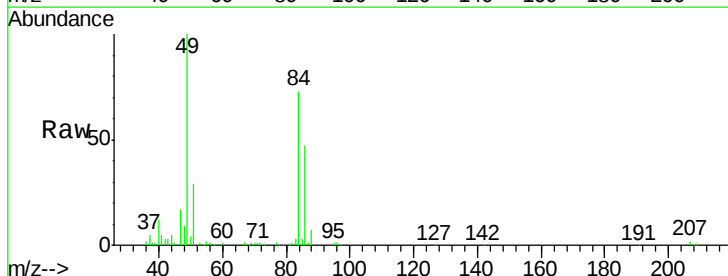
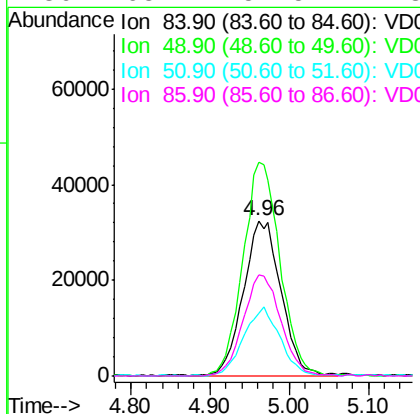
Manual Integrations
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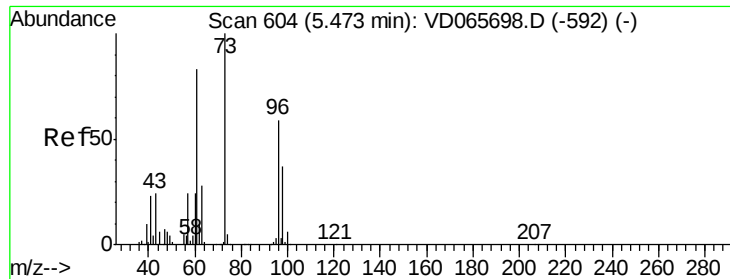
MMDadoda
5/7/2020 10:35:57 AM



#20
Methylene Chloride
Concen: 20.255 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 84 Resp: 107739
Ion Ratio Lower Upper
84 100
49 137.6 110.4 165.6
51 40.3 33.4 50.2
86 65.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.915 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

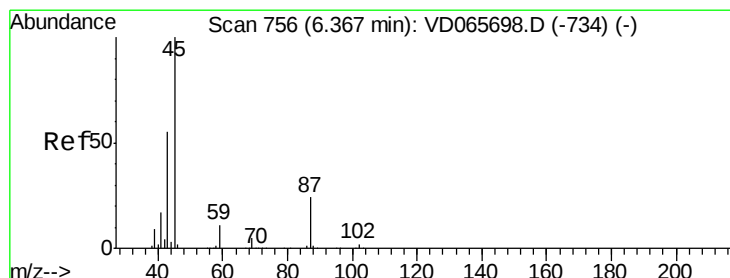
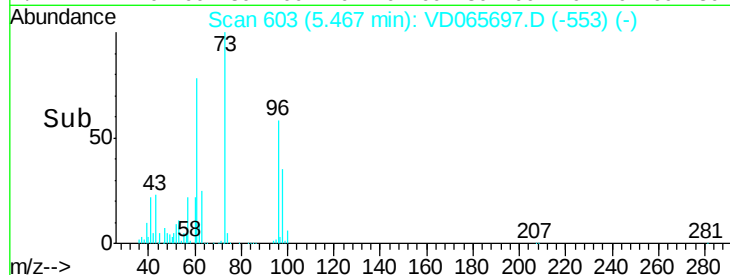
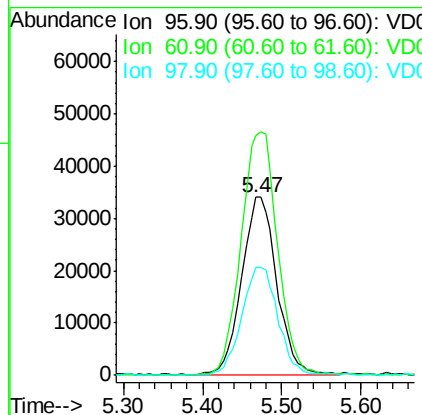
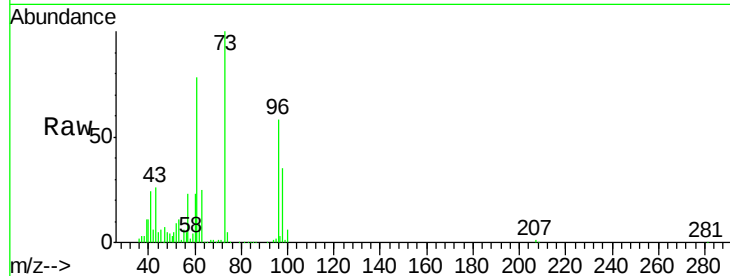
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	105829
Ion	Ratio	Lower	Upper
96	100		
61	134.5	113.0	169.4
98	60.5	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 25.448 ug/l

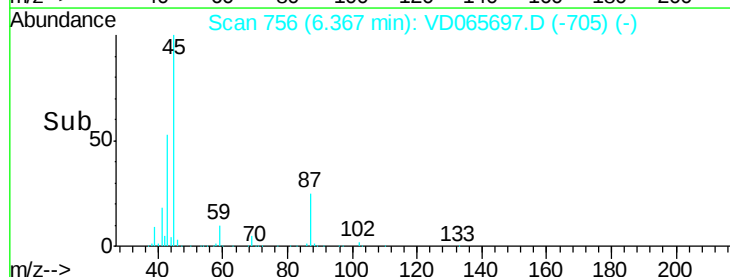
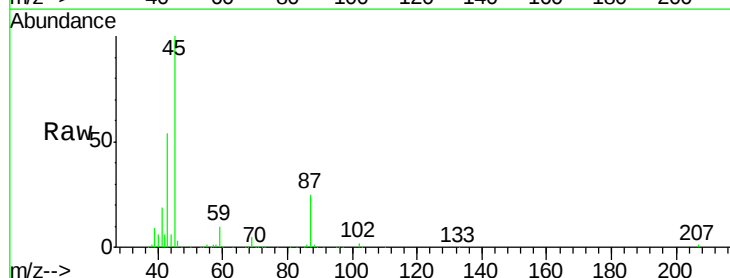
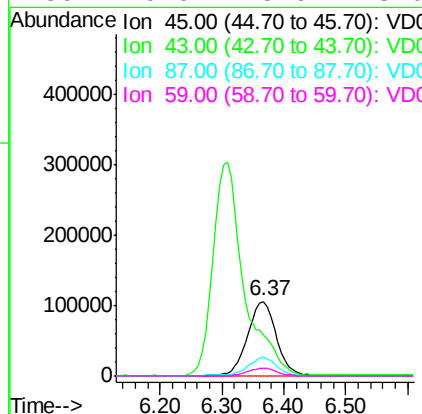
RT: 6.37 min Scan# 756

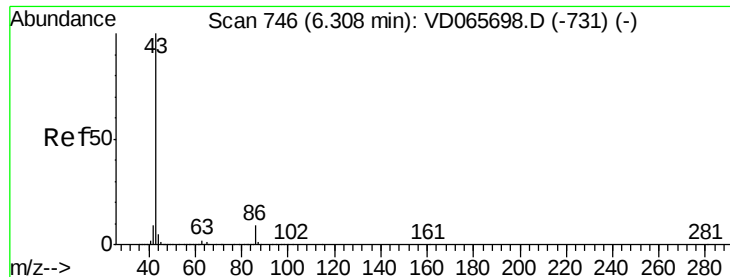
Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion:	45	Resp:	341495
Ion	Ratio	Lower	Upper
45	100		
43	52.4	44.2	66.4
87	25.2	19.0	28.4
59	9.9	8.6	13.0





#23

Vinyl Acetate

Concen: 143.576 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1053207

Ion Ratio Lower Upper

43 100

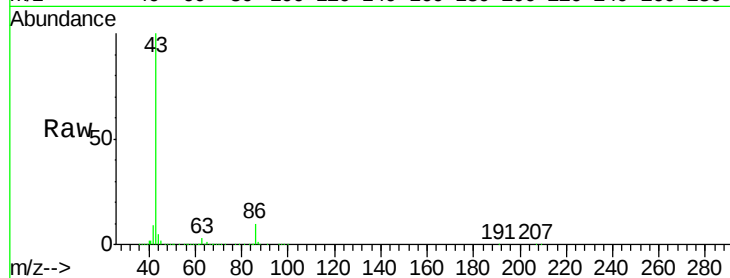
86 9.8 7.4 11.0

Manual Integrations

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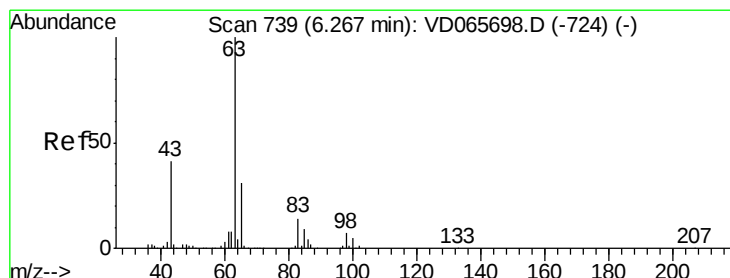
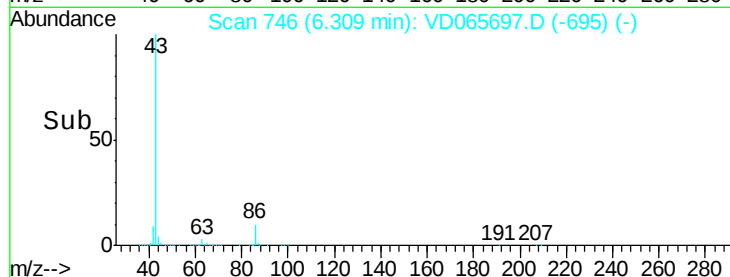
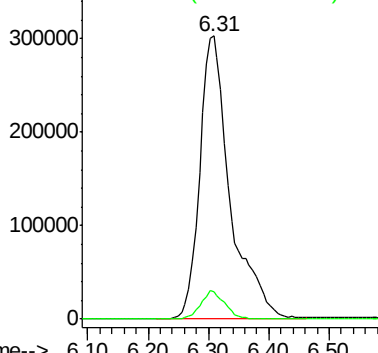
MMDadoda

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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: 21.411 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

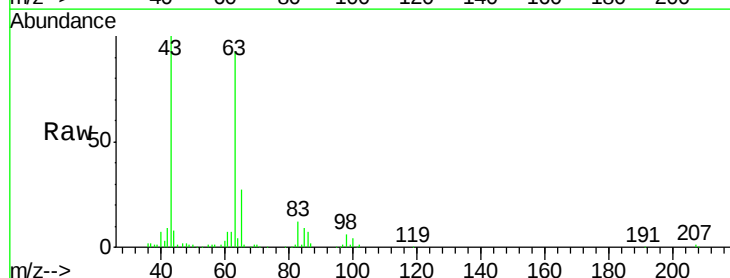
Tgt Ion: 63 Resp: 185088

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

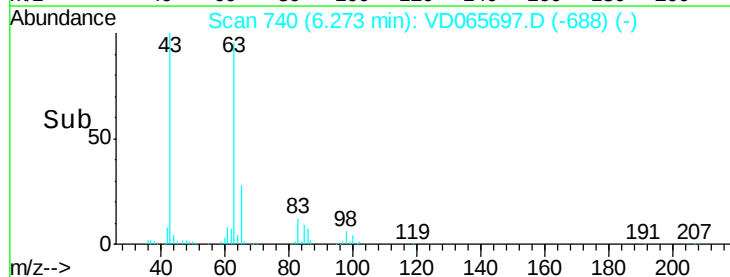
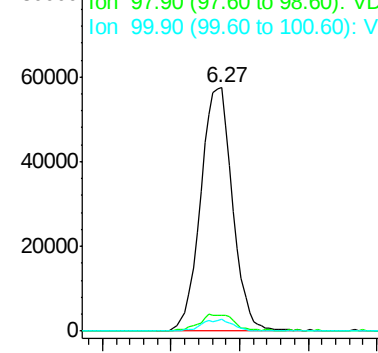
100 4.7 2.3 6.9

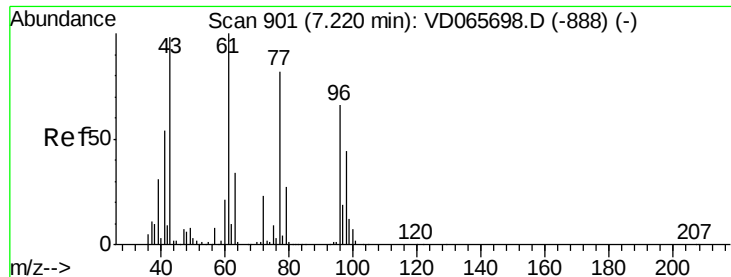


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 131.820 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 156408

Ion Ratio Lower Upper

43 100

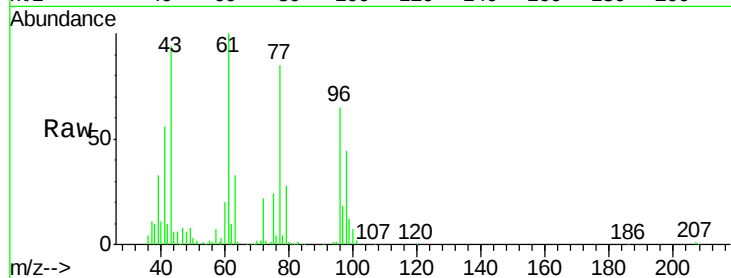
72 24.2 19.2 28.8

Manual Integrations

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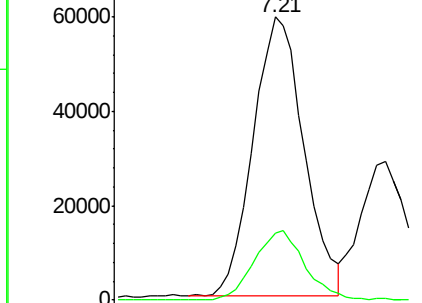
MMDadoda

5/7/2020 10:35:57 AM

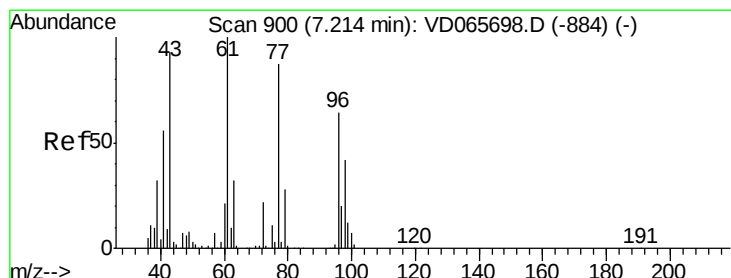
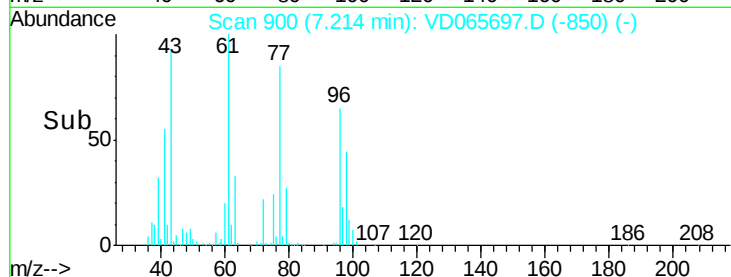


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 21.726 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065697.D

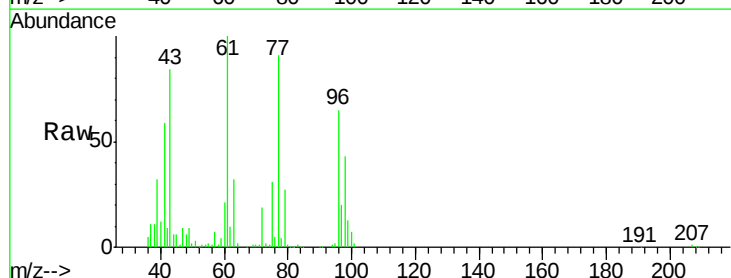
Acq: 06 May 2020 15:11

Tgt Ion: 77 Resp: 168353

Ion Ratio Lower Upper

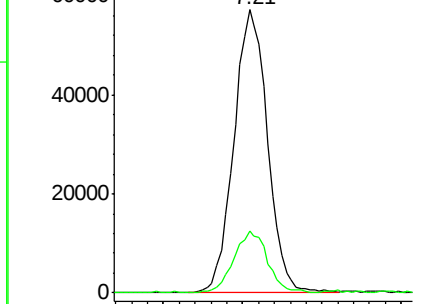
77 100

97 22.3 11.3 33.9

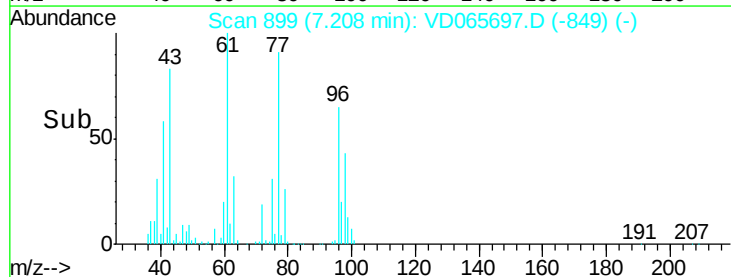


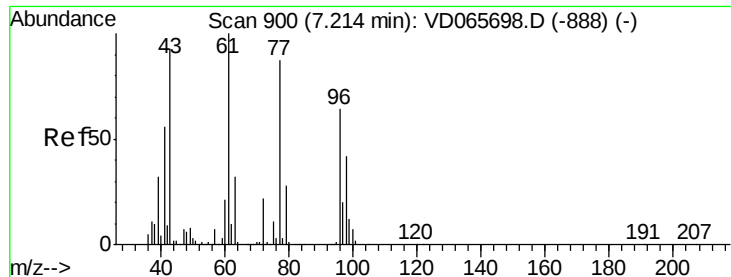
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

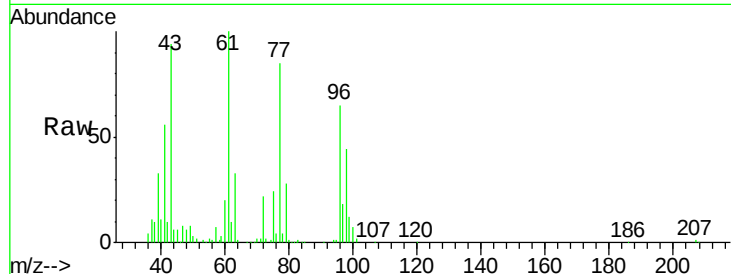
cis-1,2-Dichloroethene
 Concen: 21.507 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

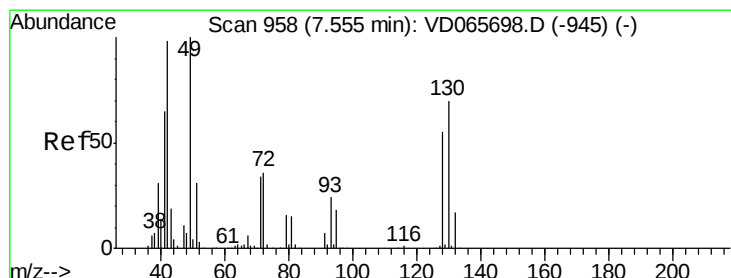
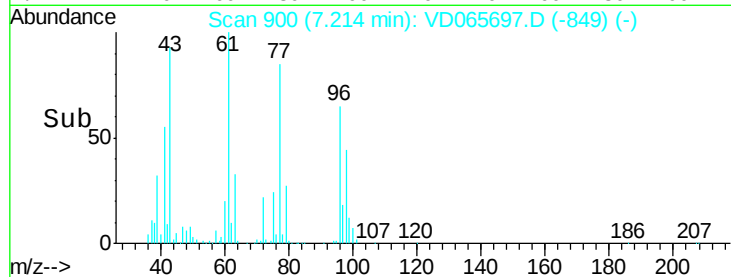
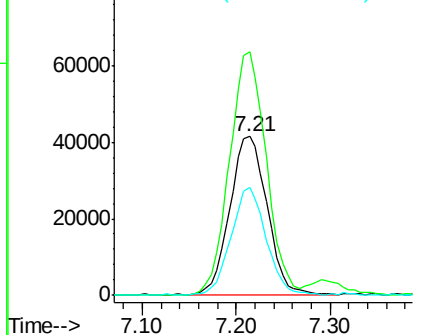
Tot Ion	Ratio	Resp	Lower	Upper
96	100	113084		
61	152.5		0.0	306.6
98	64.8		0.0	129.4

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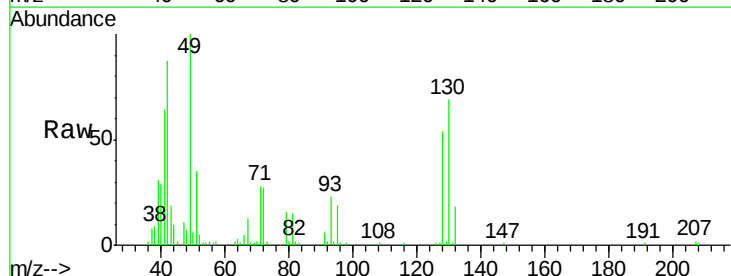
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



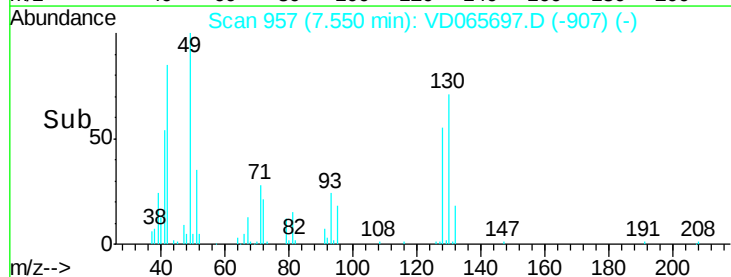
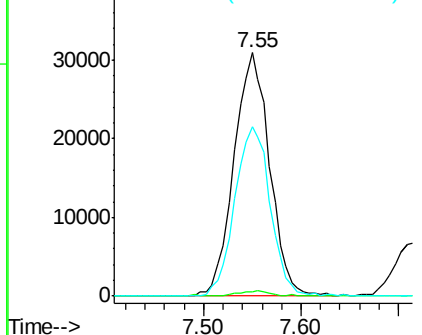
#28

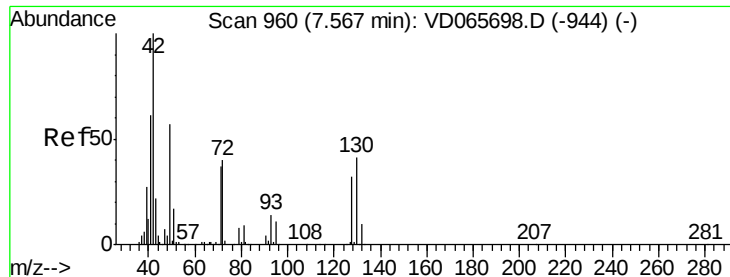
Bromochloromethane
 Concen: 22.081 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78270		
129	1.8		0.0	3.8
130	69.5		56.4	84.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





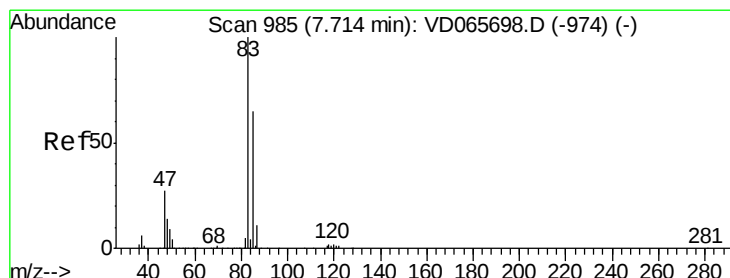
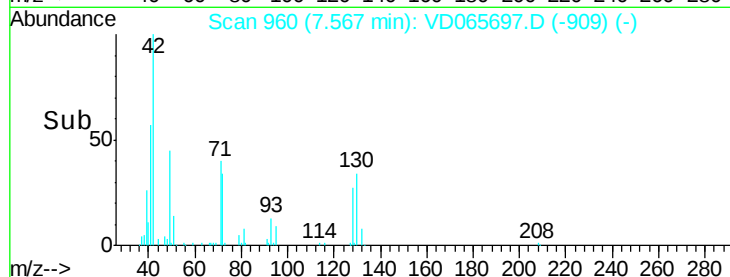
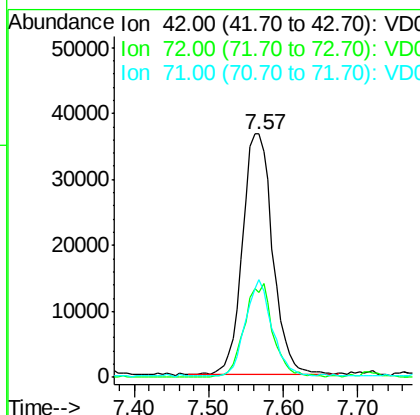
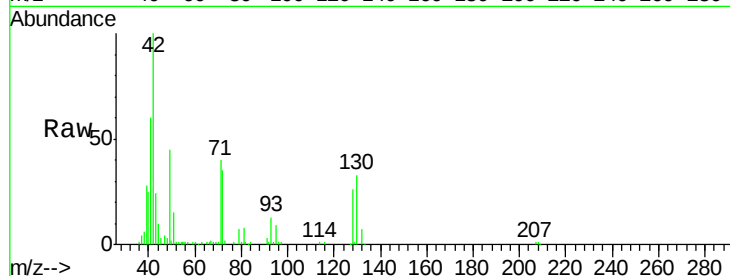
#29
Tetrahydrofuran
Concen: 138.947 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.4	45.6
71	35.4	28.0	42.0

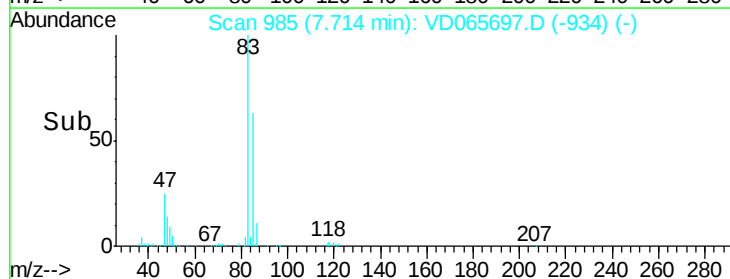
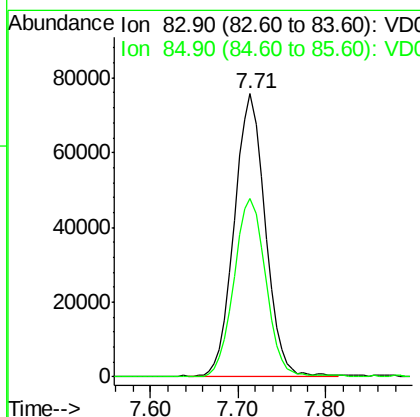
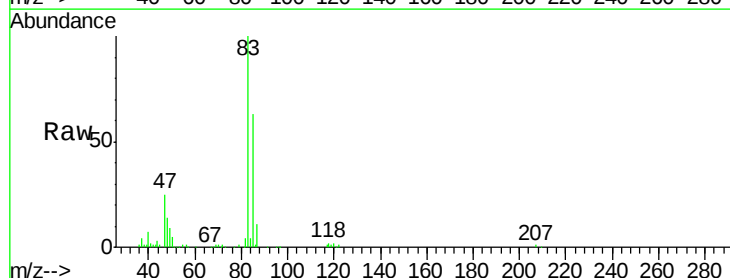
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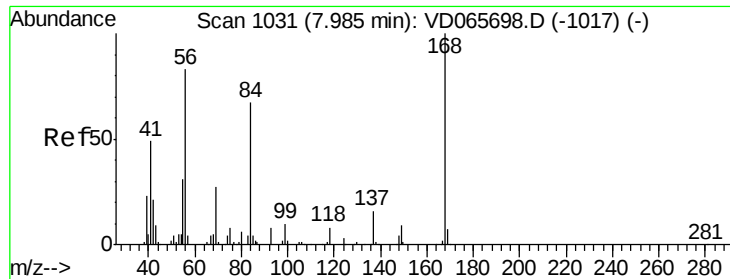
MMDadoda
5/7/2020 10:35:57 AM



#30
Chloroform
Concen: 20.440 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





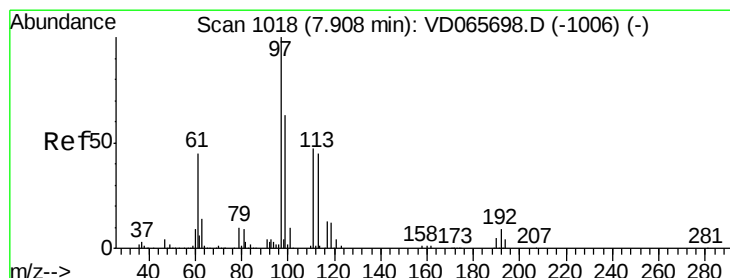
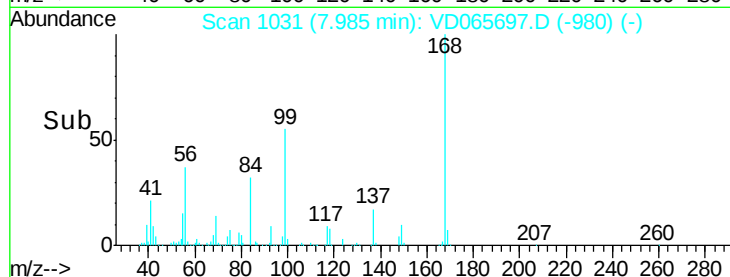
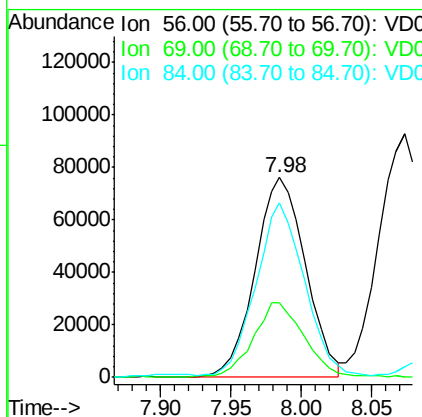
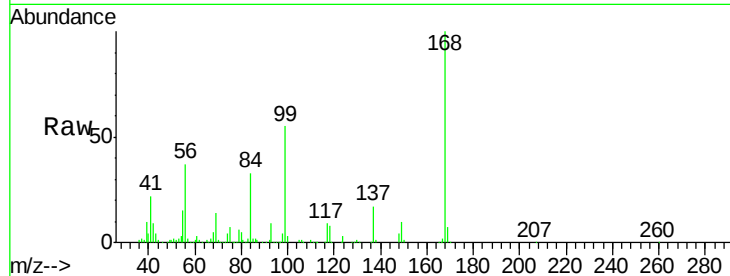
#31
Cyclohexane
Concen: 23.185 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.2	26.3	39.5	
84	85.9	64.5	96.7	

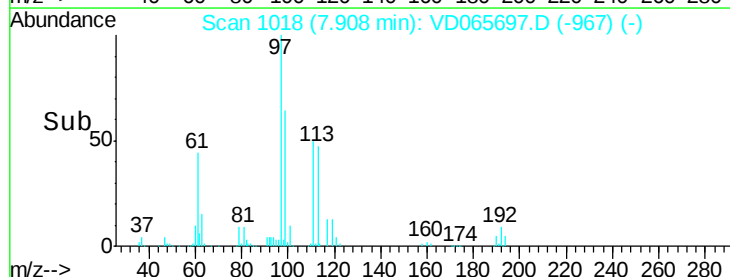
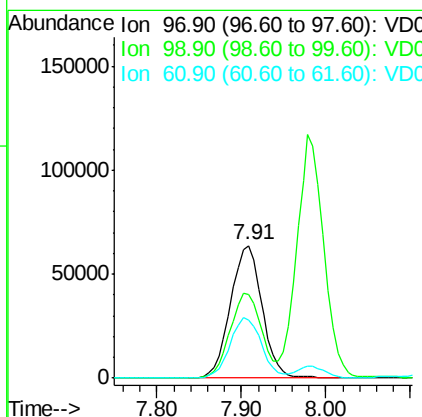
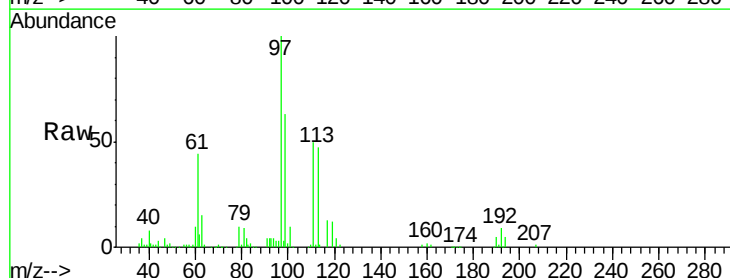
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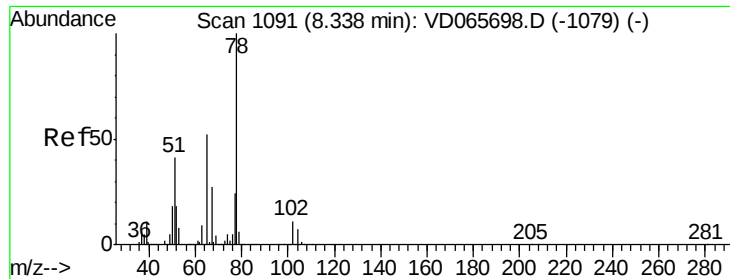
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#32
1,1,1-Trichloroethane
Concen: 20.407 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.9	50.8	76.2	
61	45.3	36.0	54.0	





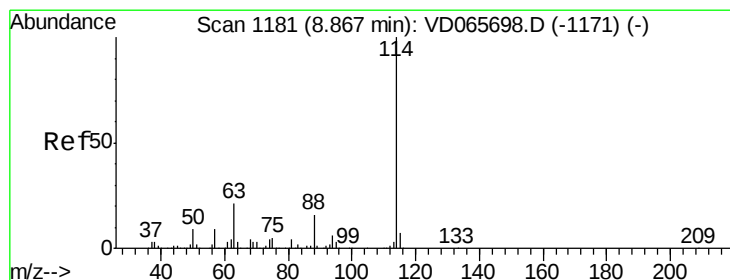
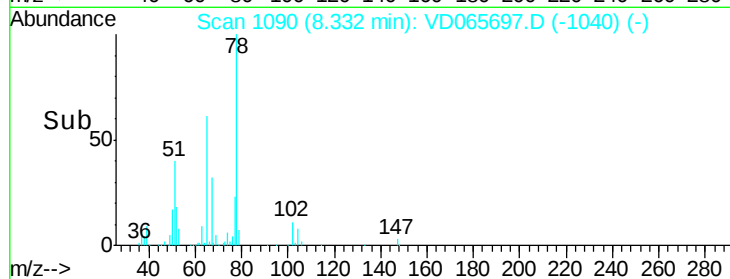
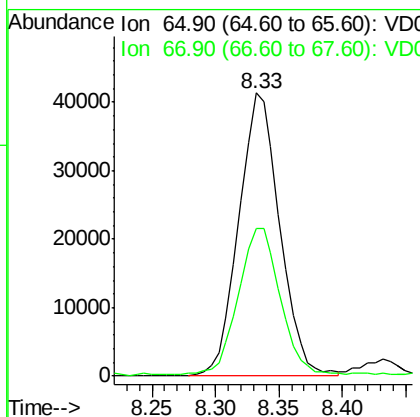
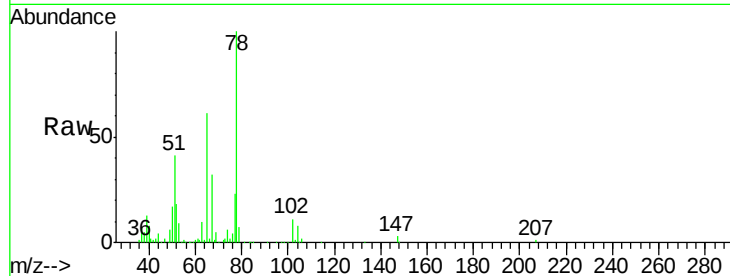
#33
 1,2-Dichloroethane-d4
 Concen: 20.297 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.8	

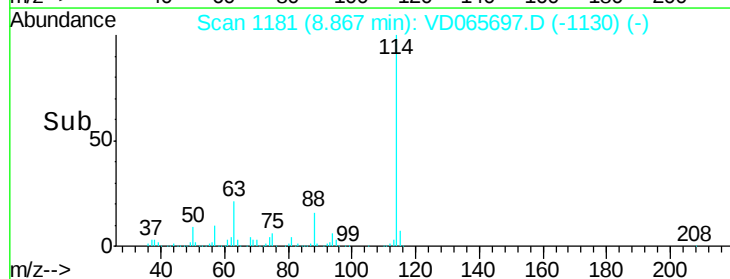
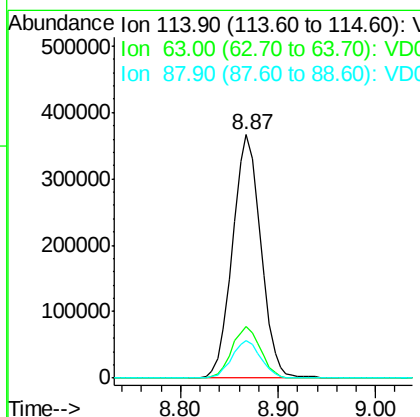
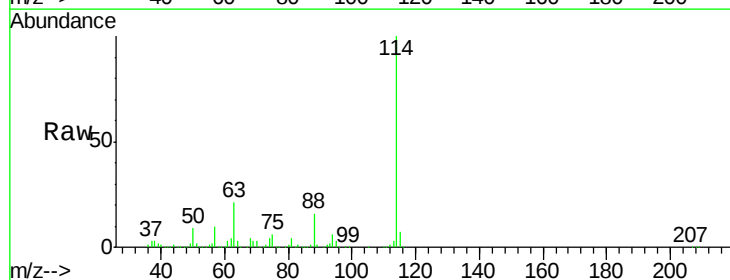
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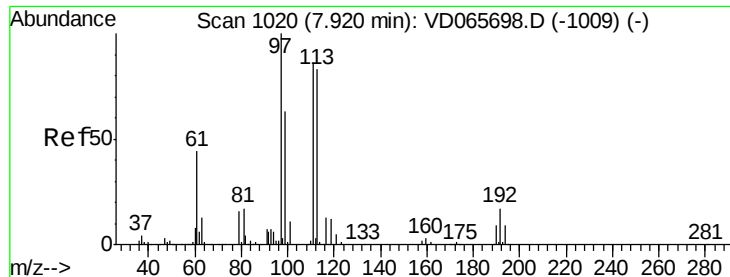
MMDadoda
 5/7/2020 10:35:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	42.4	
88	15.6	0.0	32.6	





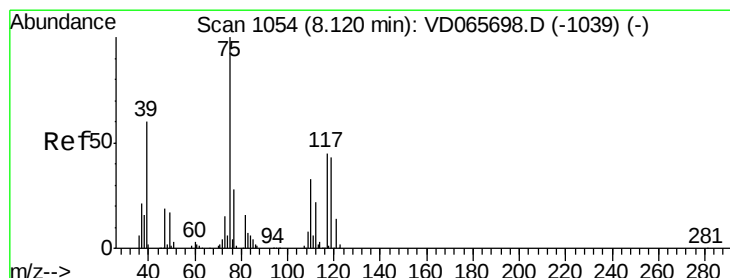
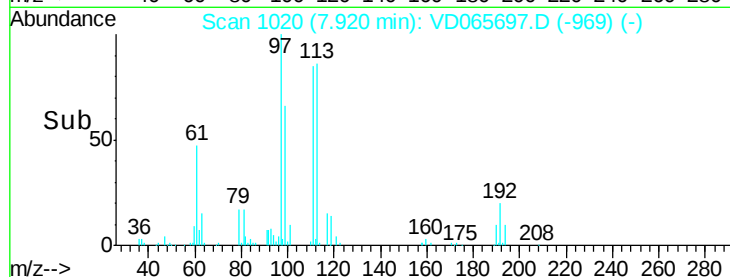
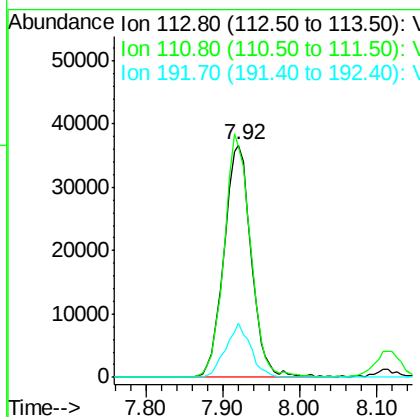
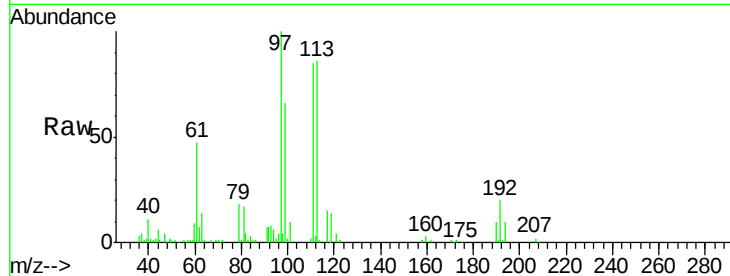
#35
 Dibromofluoromethane
 Concen: 17.797 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	21.3	17.0	25.4

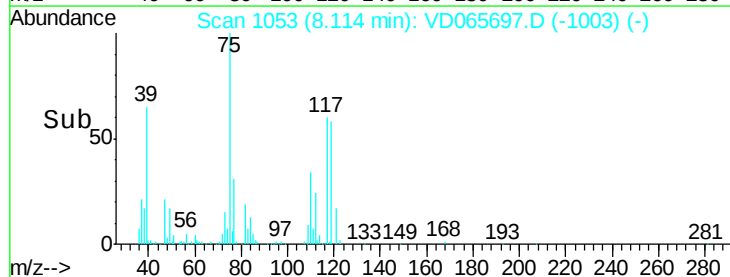
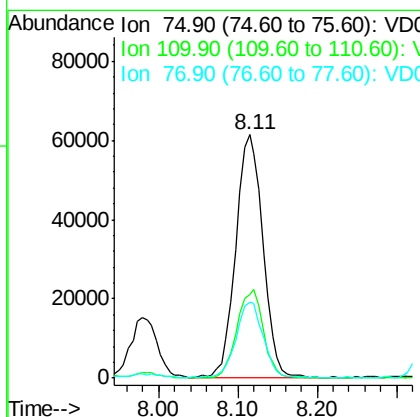
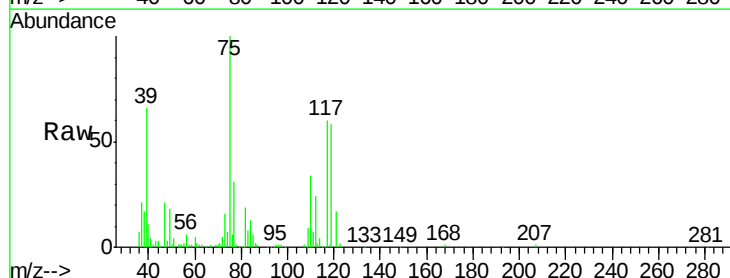
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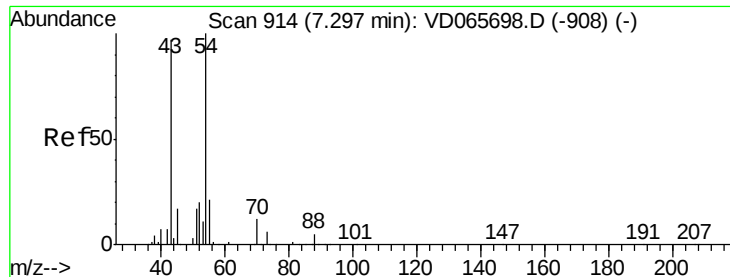
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.697 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.6
77	31.7	23.7	35.5





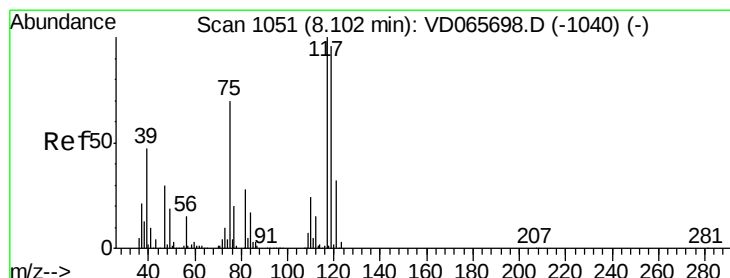
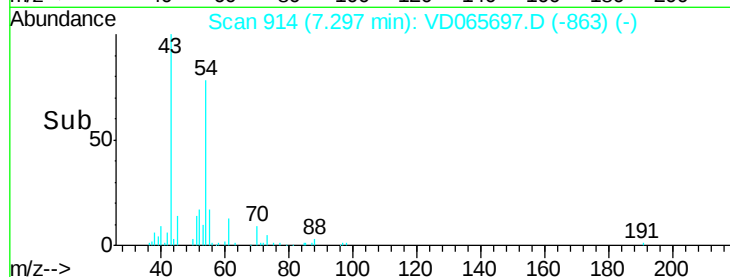
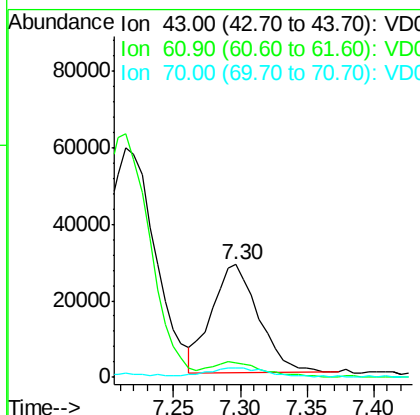
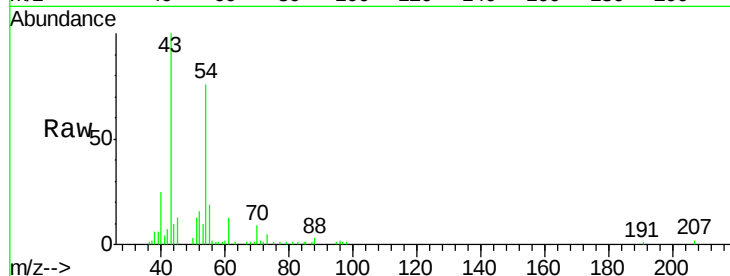
#37
Ethyl Acetate
Concen: 23.584 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	9.9	14.9
70	11.9	7.3	10.9

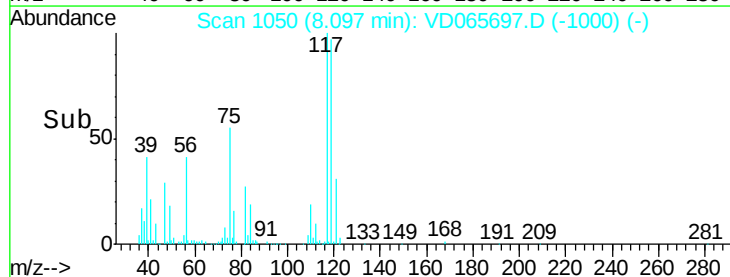
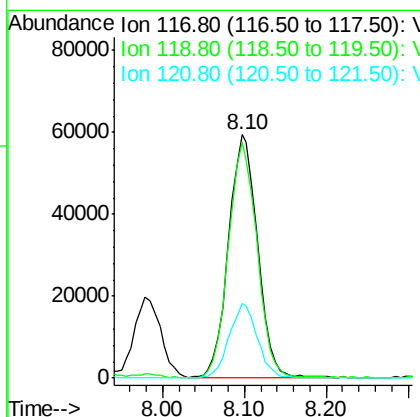
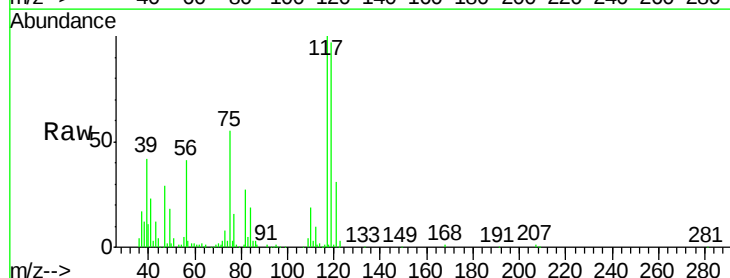
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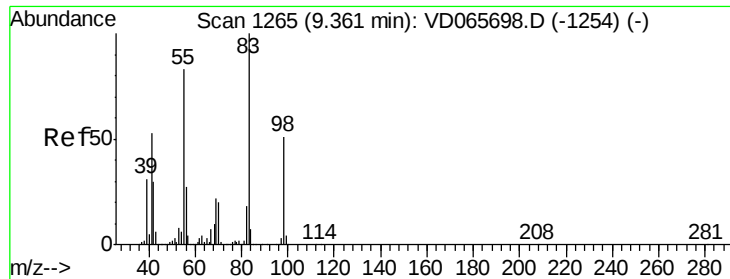
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.335 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
121	31.0	25.5	38.3





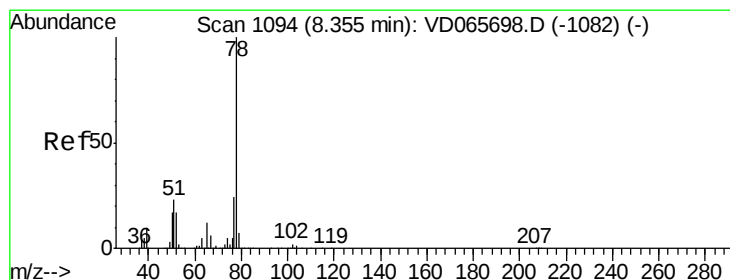
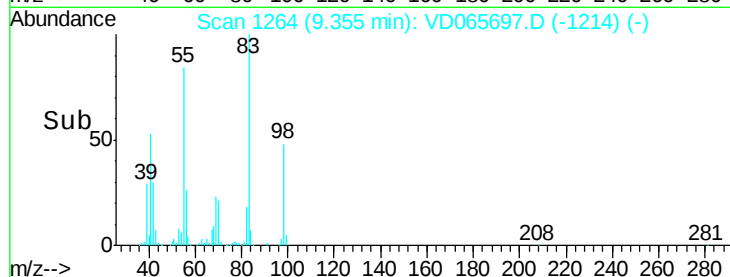
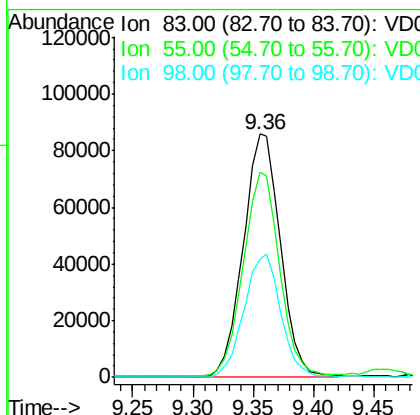
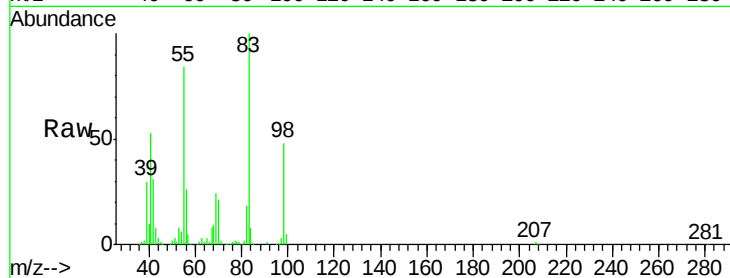
#39
Methvlcvclohexane
Concen: 21.613 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.2	66.0	99.0	
98	48.4	41.0	61.4	

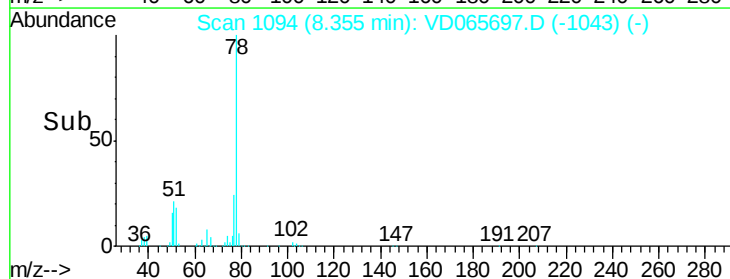
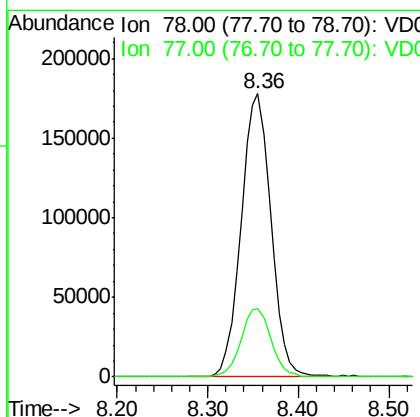
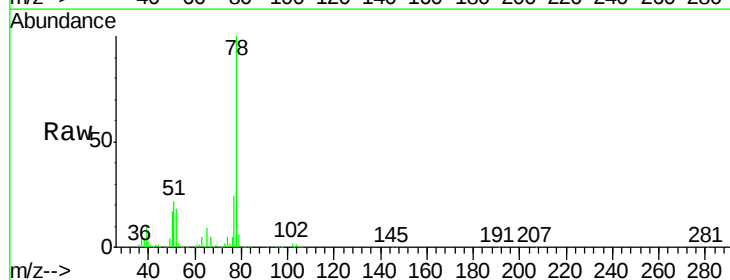
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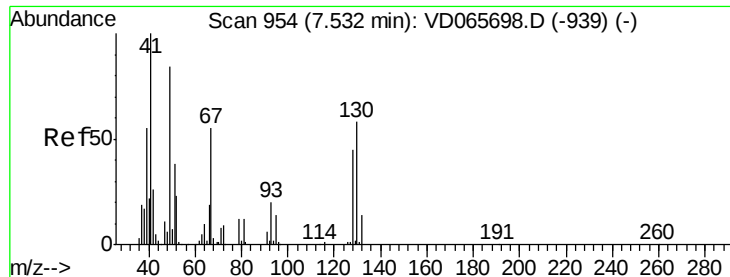
MMDadoda
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#40
Benzene
Concen: 19.187 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.6	29.4	





#41

Methacrylonitrile

Concen: 22.009 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 35896

Ion Ratio Lower Upper

41 100

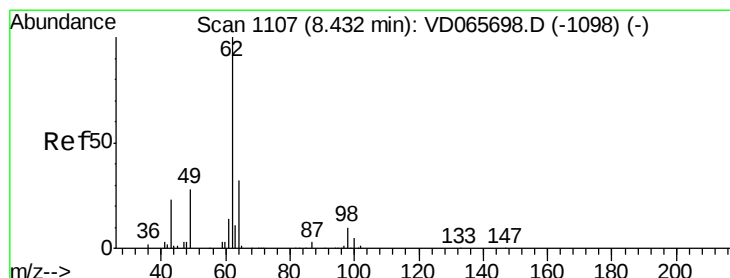
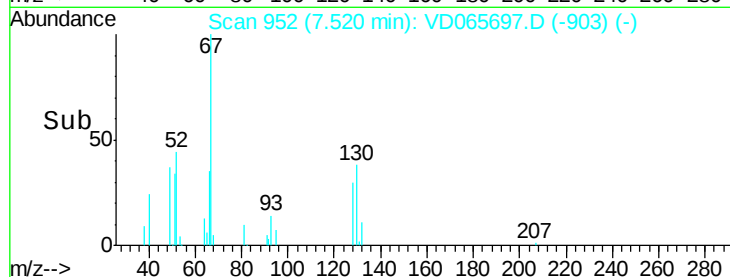
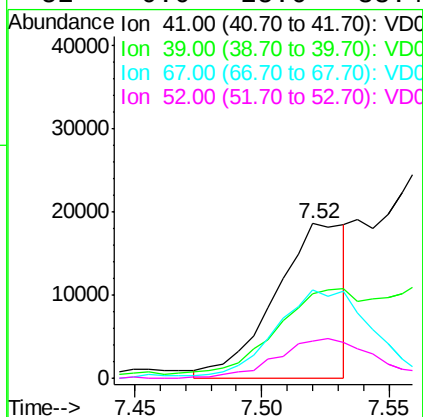
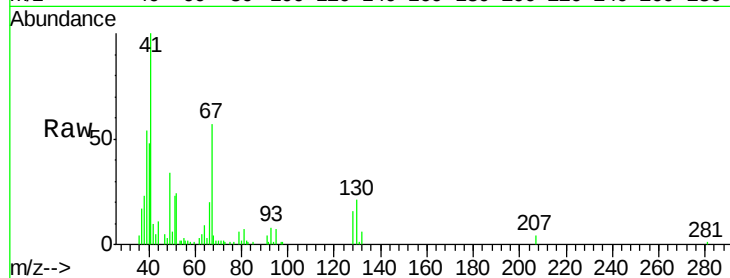
39 0.0 52.5 78.7#

67 0.0 59.4 89.0#

52 0.0 25.6 38.4#

Manual Integrations
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MMDadoda
5/7/2020 10:35:57 AM



#42

1,2-Dichloroethane

Concen: 19.387 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065697.D

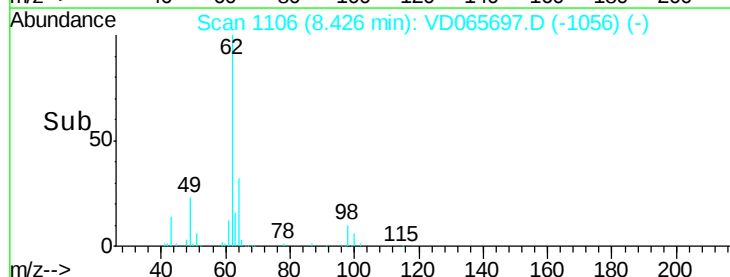
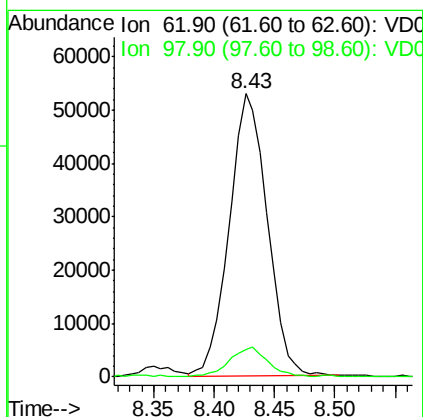
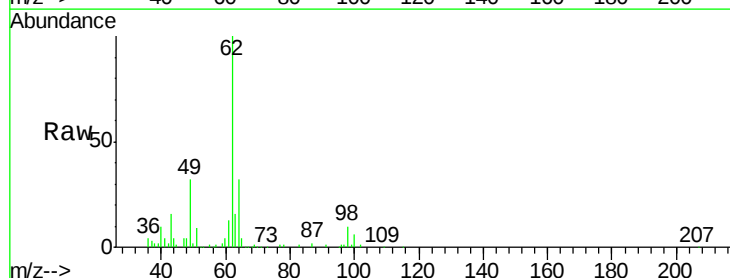
Acq: 06 May 2020 15:11

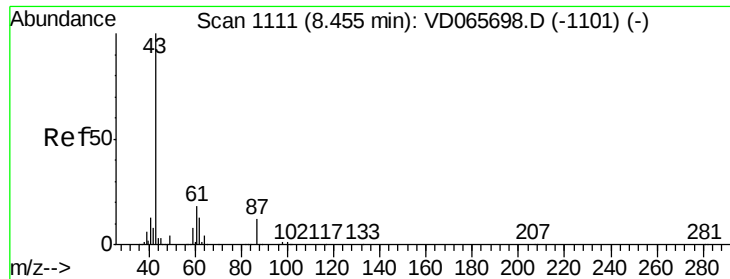
Tgt Ion: 62 Resp: 116011

Ion Ratio Lower Upper

62 100

98 10.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 27.179 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

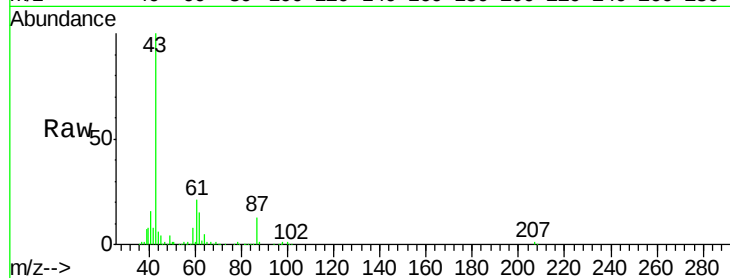
ClientSampleID :

VSTDIC020

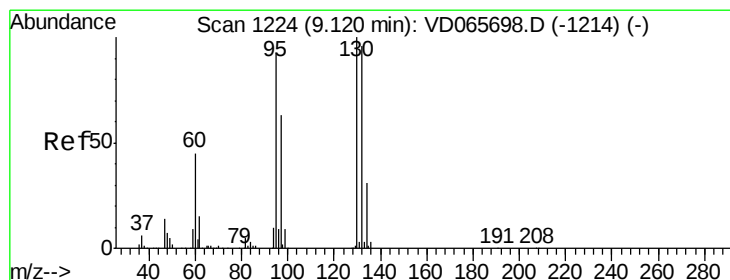
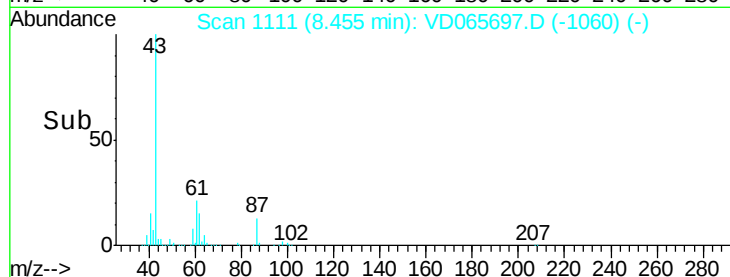
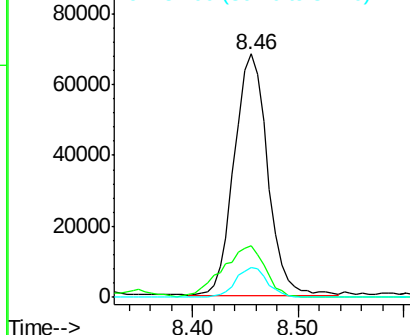
Tot Ion:	43	Resp:	148565
Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.9	32.9
87	12.0	9.4	14.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.437 ug/l

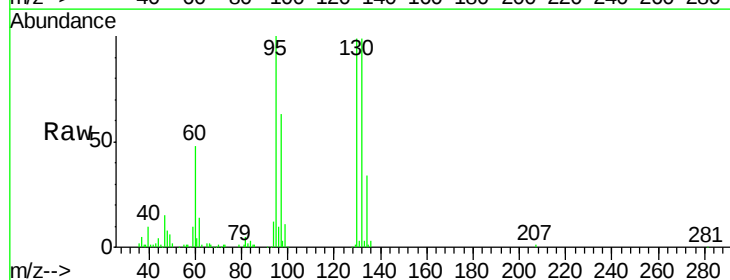
RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

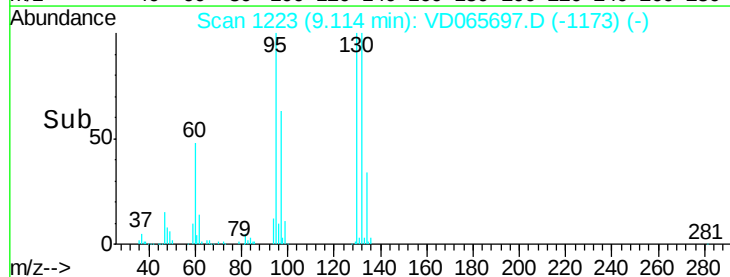
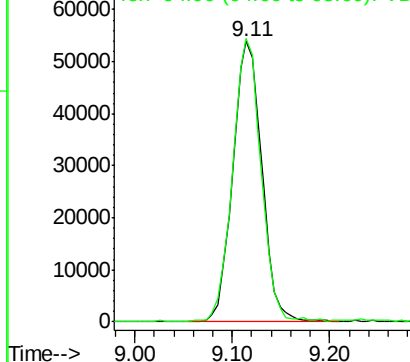
Lab File: VD065697.D

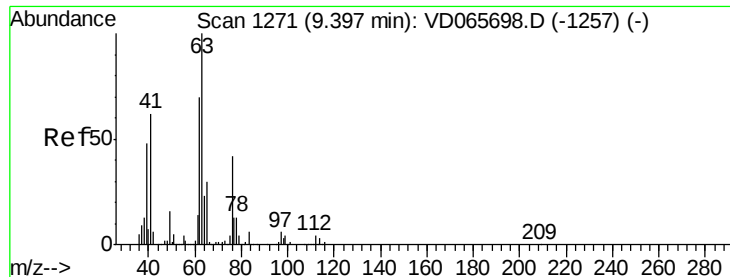
Acq: 06 May 2020 15:11

Tgt Ion:	130	Resp:	111479
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.409 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 106541

Ion Ratio Lower Upper

63 100

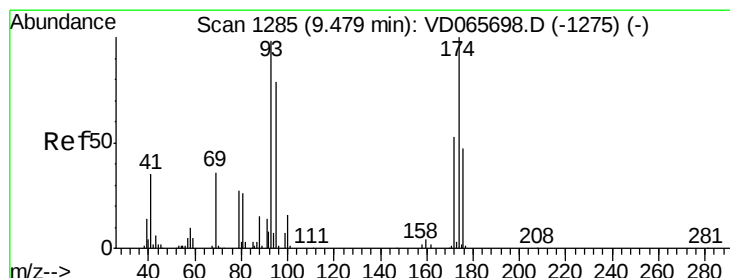
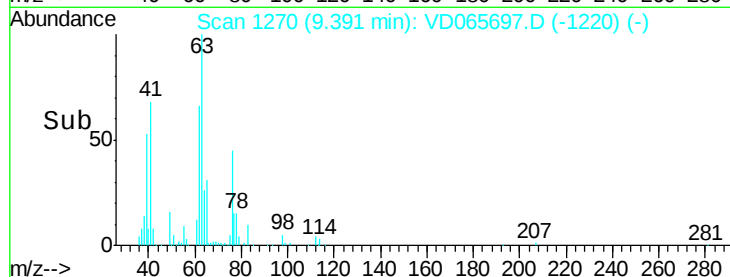
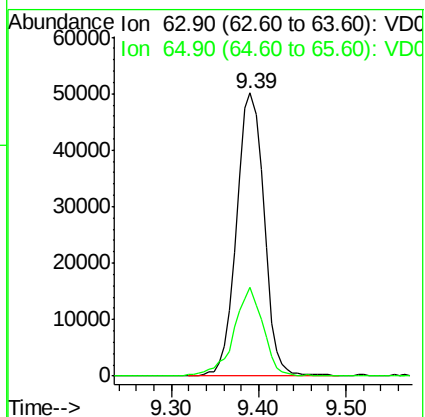
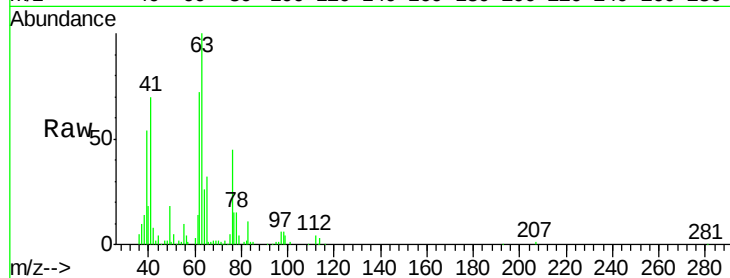
65 31.2 24.1 36.1

Manual Integrations

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MMDadoda

5/7/2020 10:35:57 AM



#46

Dibromomethane

Concen: 18.658 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

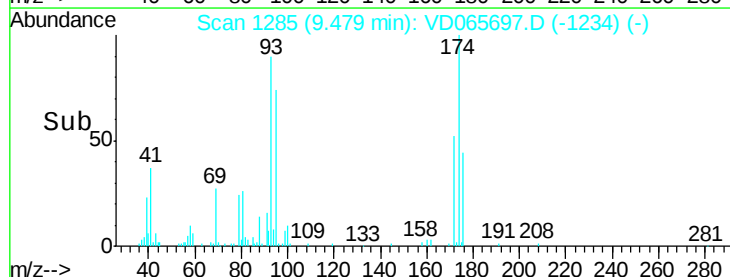
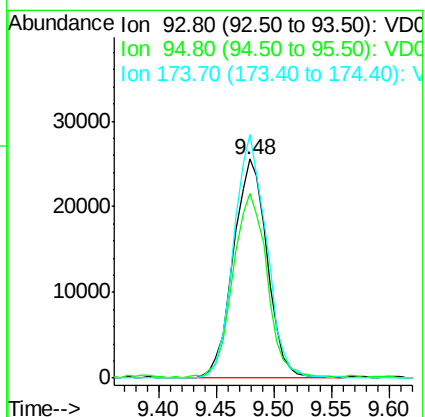
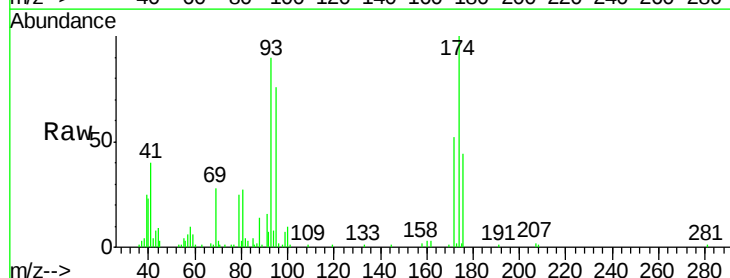
Tgt Ion: 93 Resp: 52026

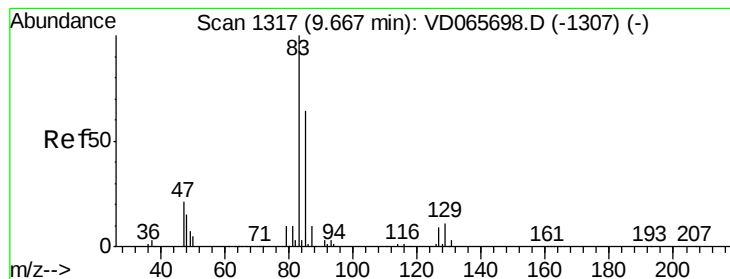
Ion Ratio Lower Upper

93 100

95 85.5 65.3 97.9

174 107.1 82.7 124.1





#47

Bromodichloromethane

Concen: 19.501 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

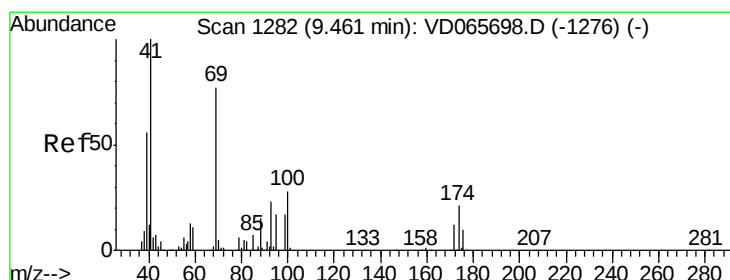
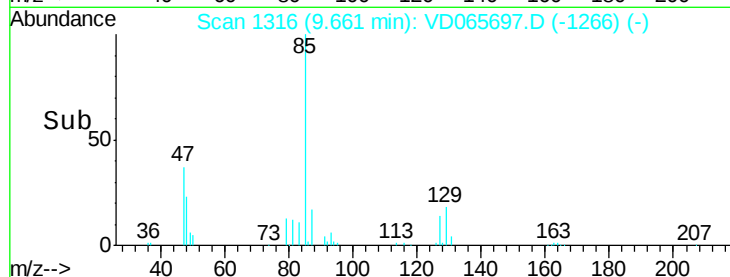
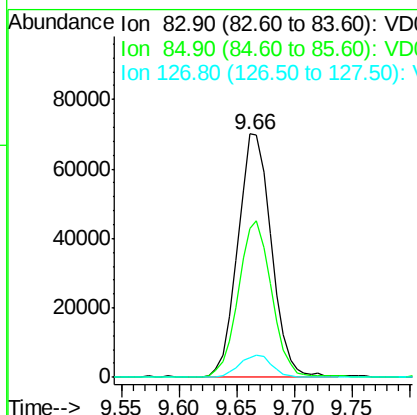
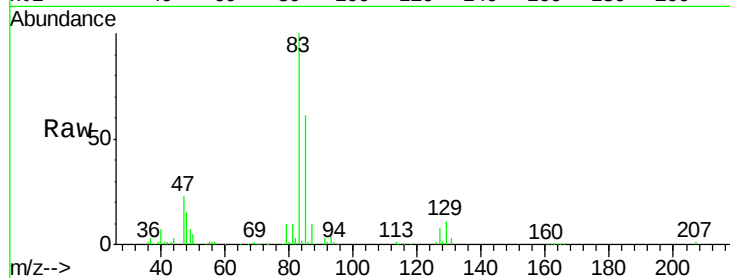
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	142118
Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.9	76.3
127	8.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 28.753 ug/l

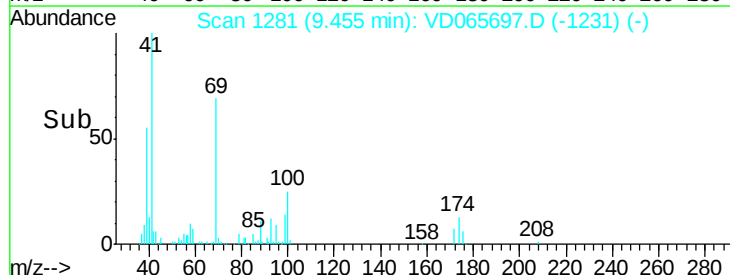
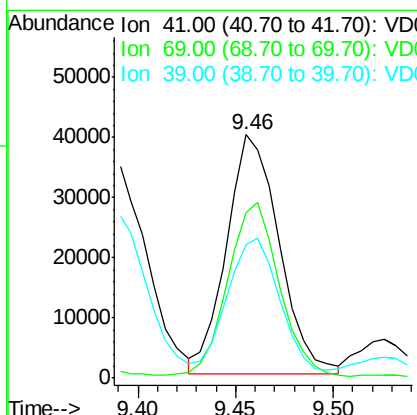
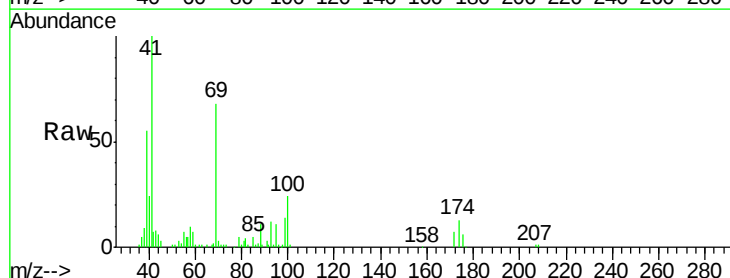
RT: 9.46 min Scan# 1281

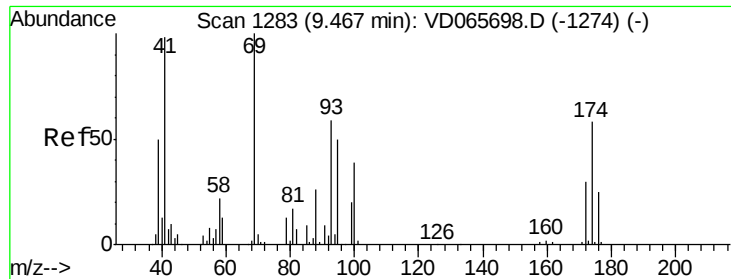
Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion:	41	Resp:	74276
Ion	Ratio	Lower	Upper
41	100		
69	70.8	58.2	87.2
39	53.9	43.3	64.9





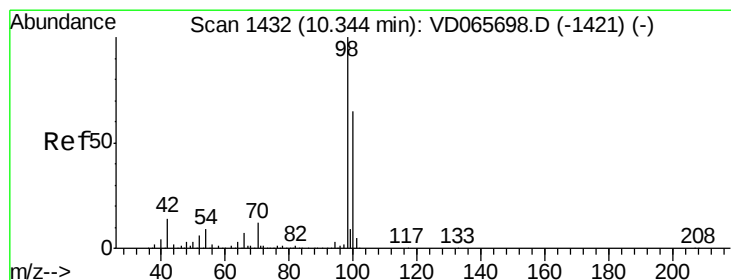
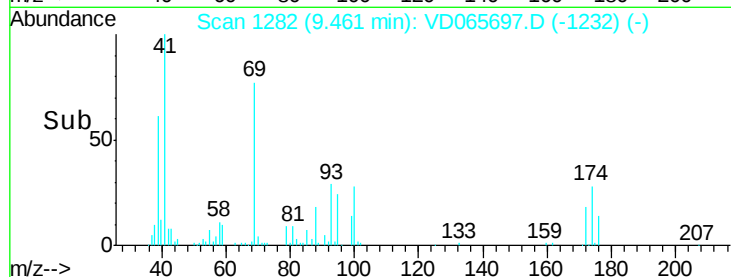
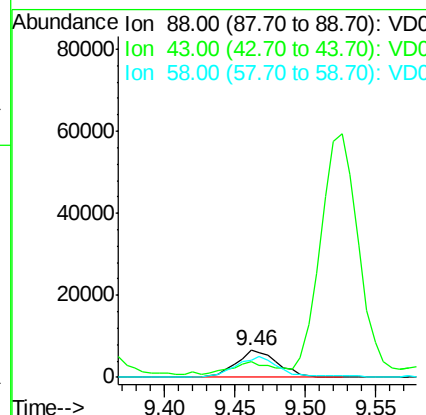
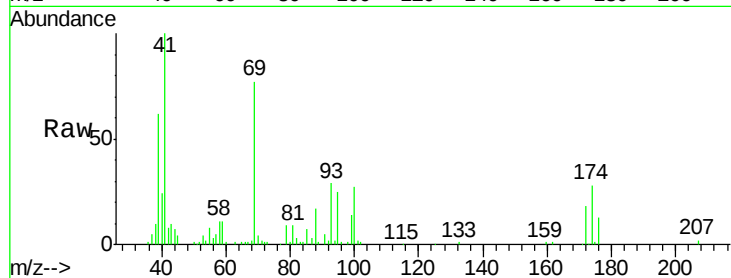
#49
1,4-Dioxane
Concen: 444.275 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	31.6	47.4
58	78.1	60.2	90.4

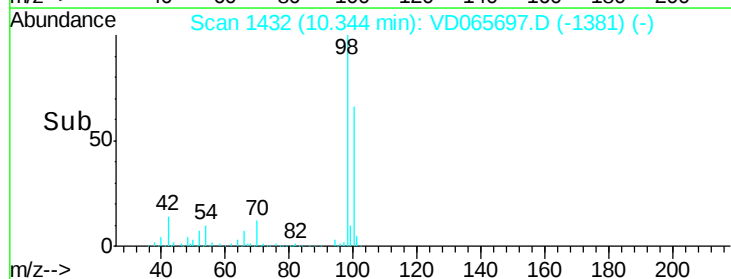
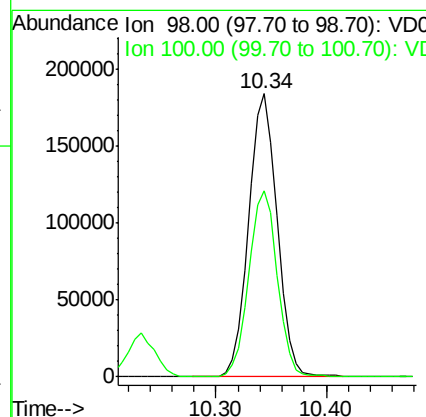
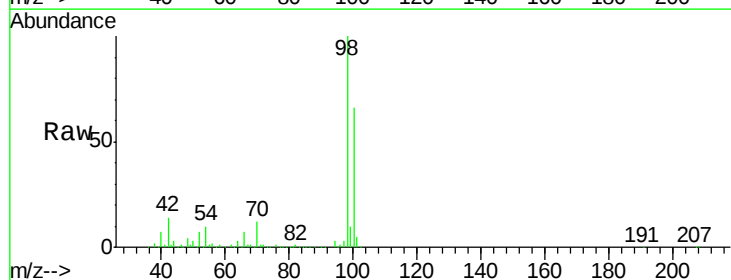
Manual Integrations
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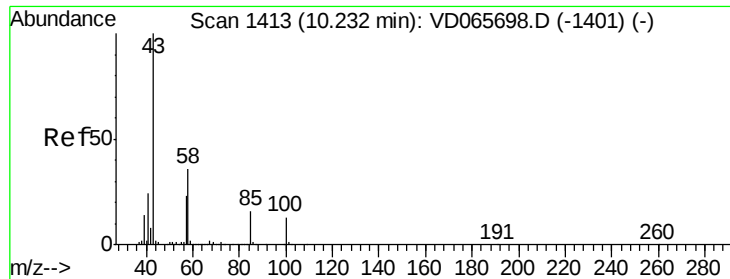
MMDadoda
5/7/2020 10:35:57 AM



#50
Toluene-d8
Concen: 18.007 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





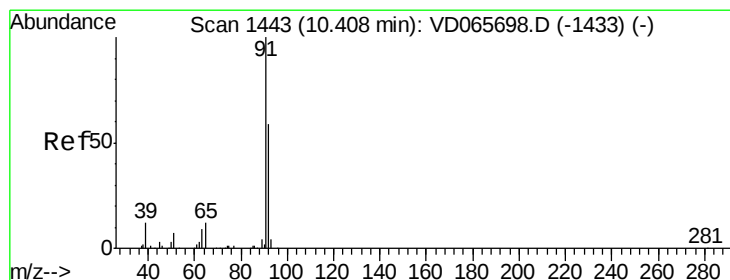
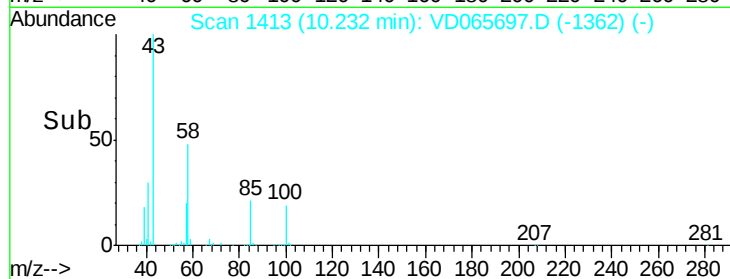
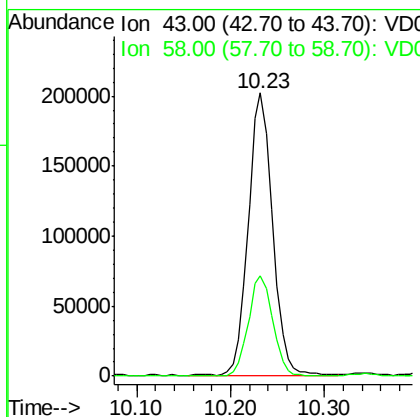
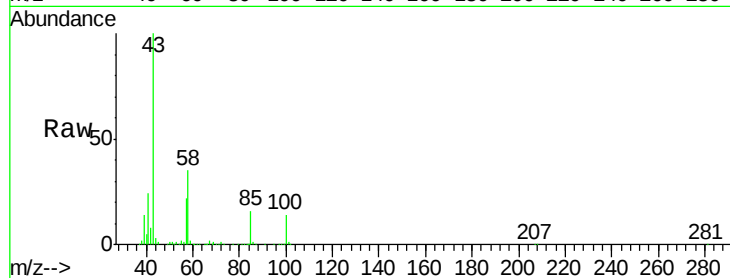
#51
4-Methyl-2-Pentanone
Concen: 130.584 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8

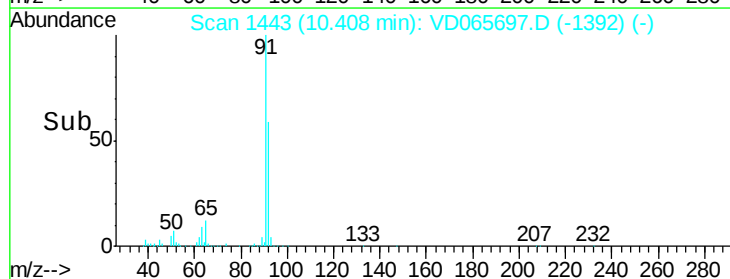
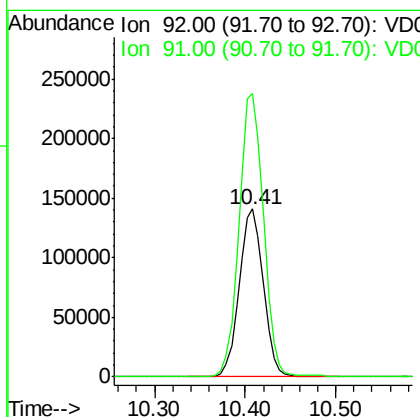
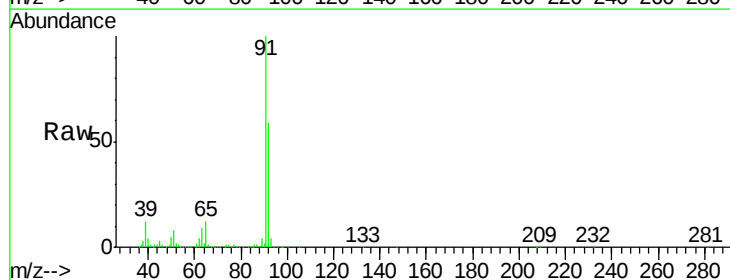
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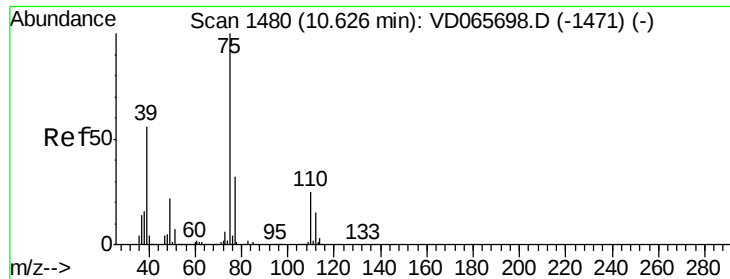
MMDadoda
5/7/2020 10:35:57 AM



#52
Toluene
Concen: 19.497 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 21.624 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 142818

Ion Ratio Lower Upper

75 100

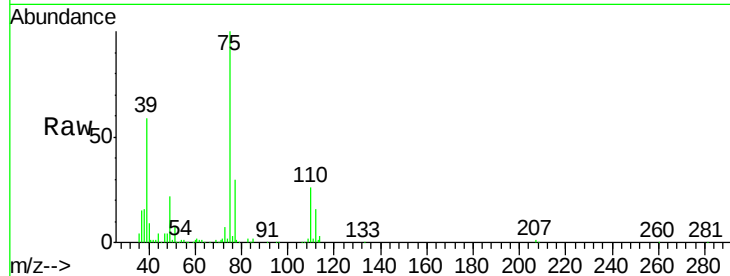
77 30.1 25.4 38.0

Manual Integrations

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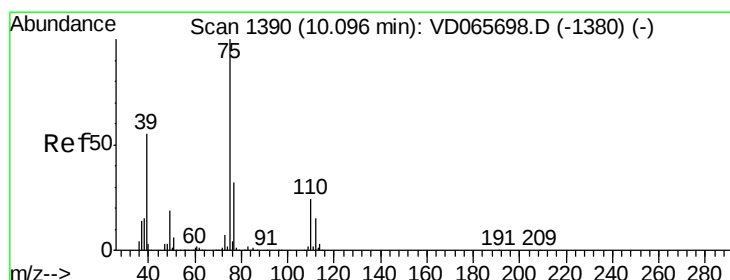
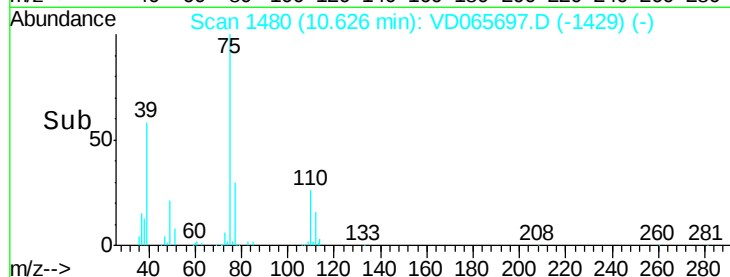
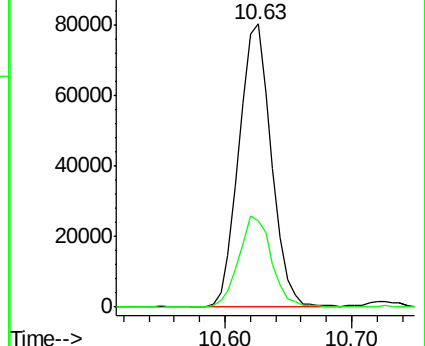
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.289 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

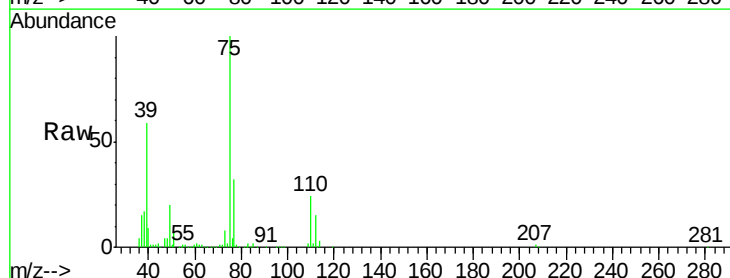
Tgt Ion: 75 Resp: 170736

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

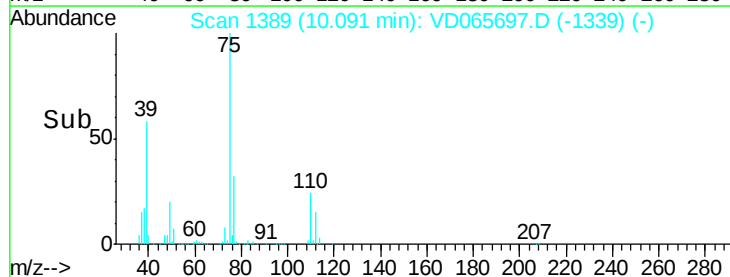
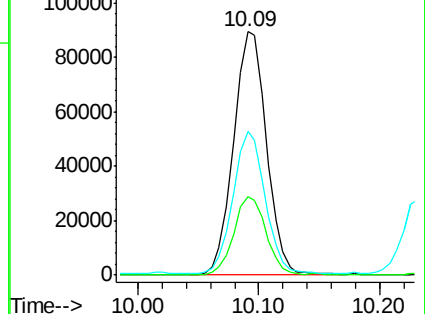
39 58.5 44.4 66.6

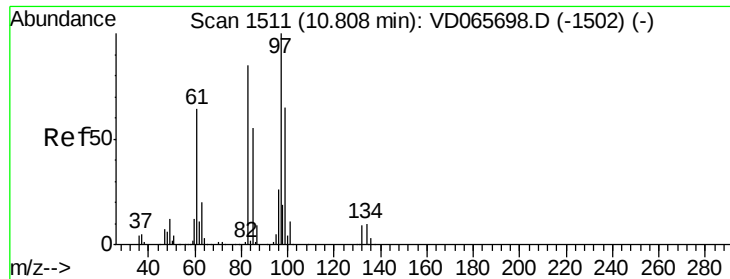


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





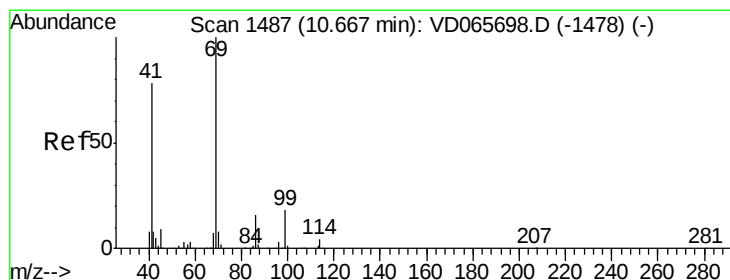
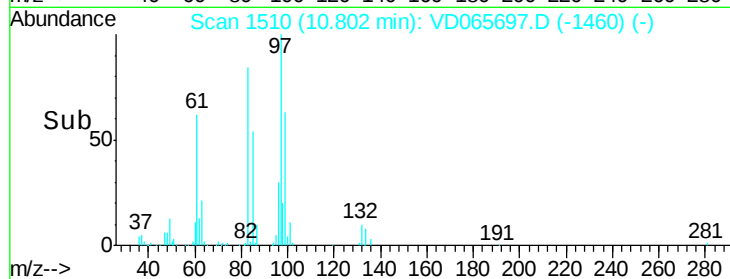
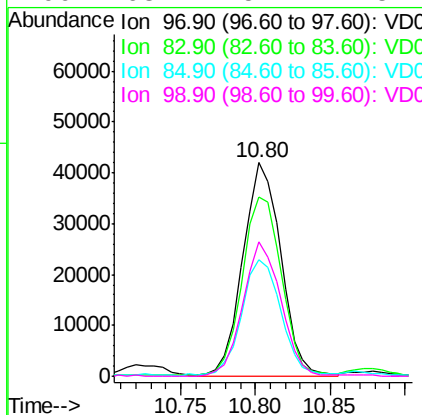
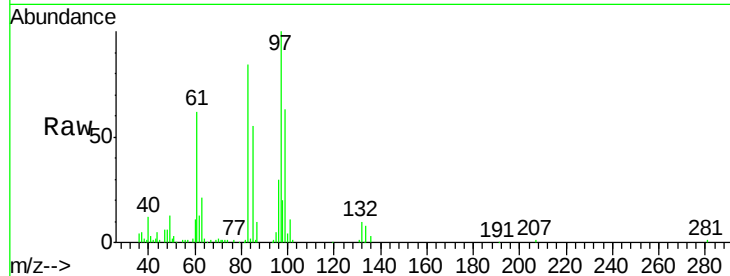
#55
 1,1,2-Trichloroethane
 Concen: 19.123 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	74515
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.2	102.4
85	54.0	43.6	65.4
99	63.4	52.2	78.4

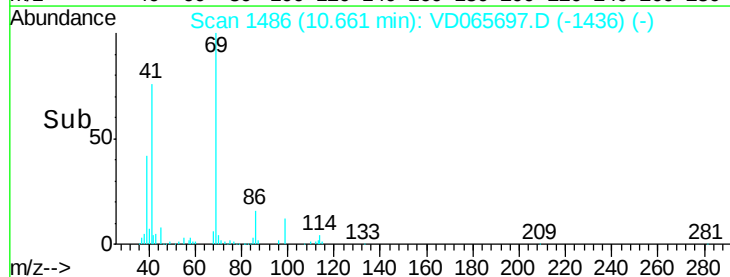
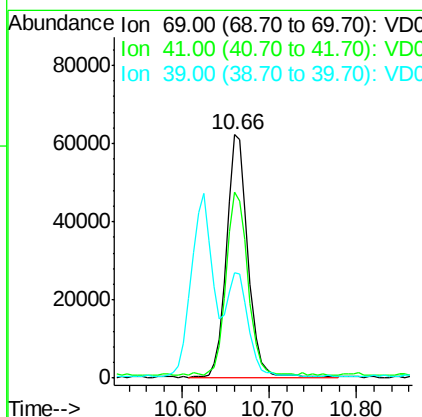
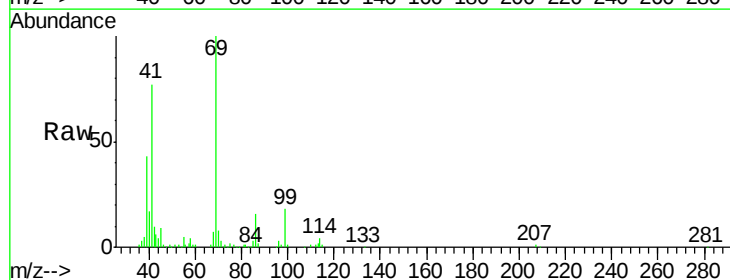
Manual Integrations
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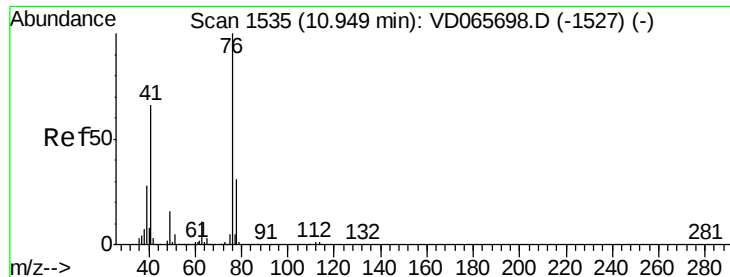
MMDadoda
 5/7/2020 10:35:57 AM



#56
 Ethyl methacrylate
 Concen: 25.239 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion:	69	Resp:	103933
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.4	92.0
39	38.5	32.7	49.1





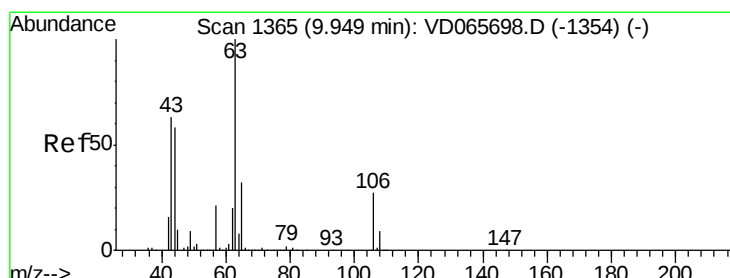
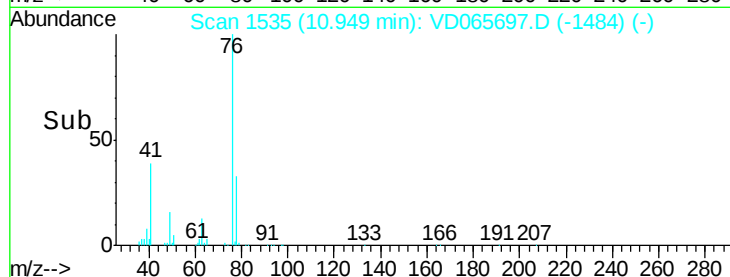
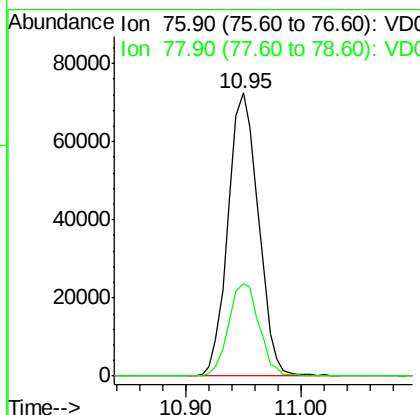
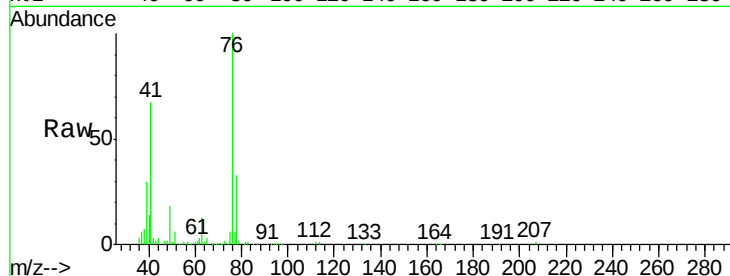
#57
 1,3-Dichloropropane
 Concen: 20.333 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

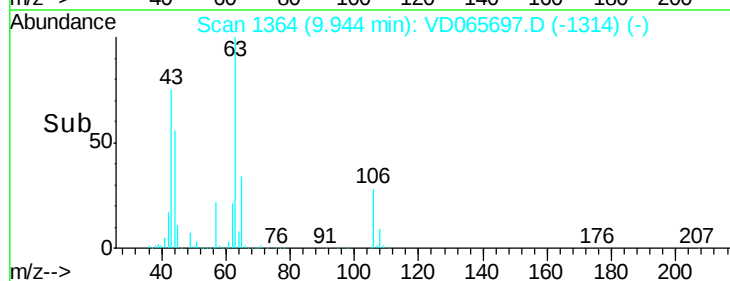
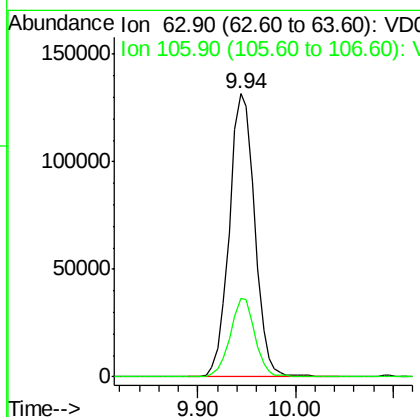
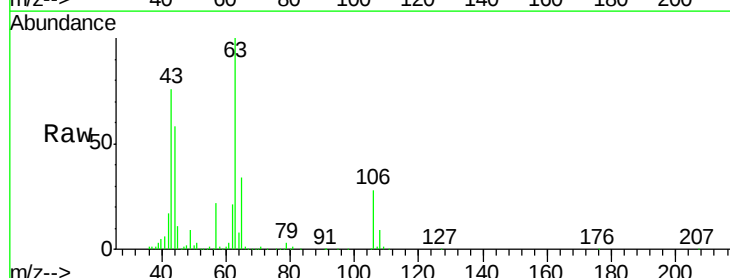
Manual Integrations
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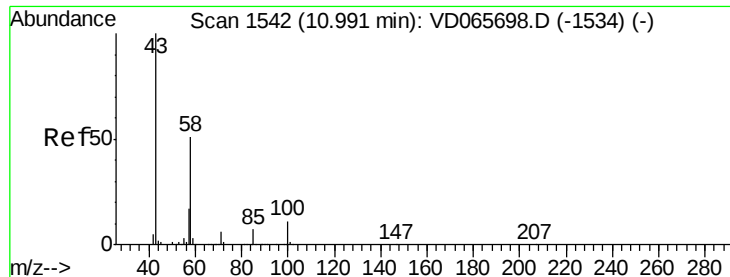
MMDadoda
 5/7/2020 10:35:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.434 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.0	33.0





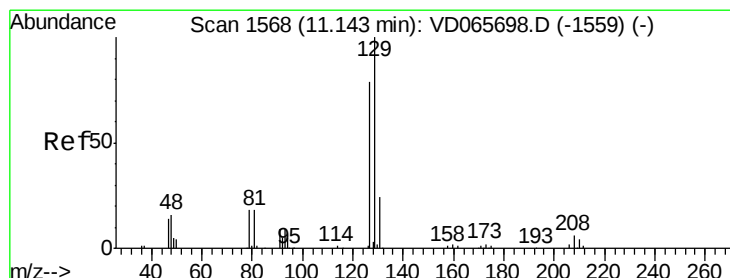
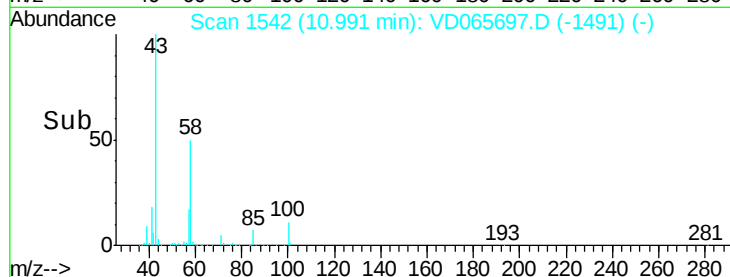
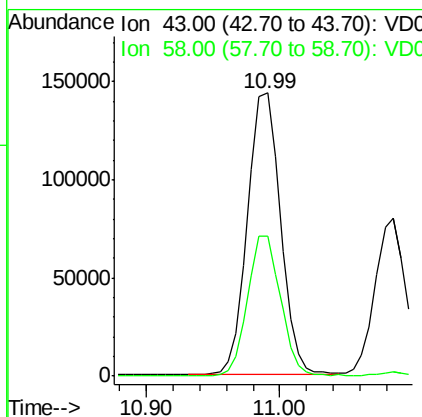
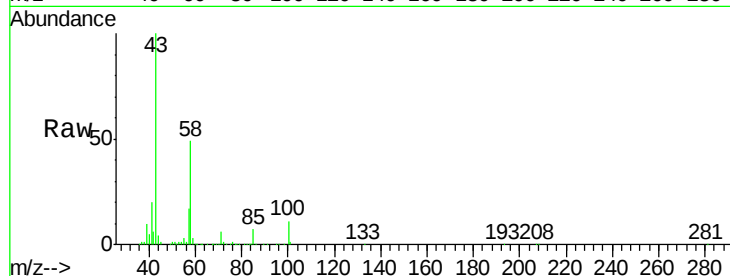
#59
2-Hexanone
Concen: 132.676 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 246013
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.0

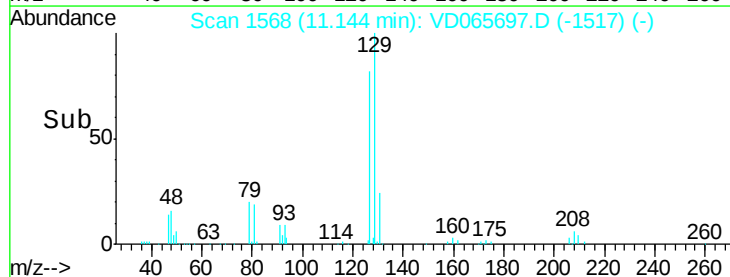
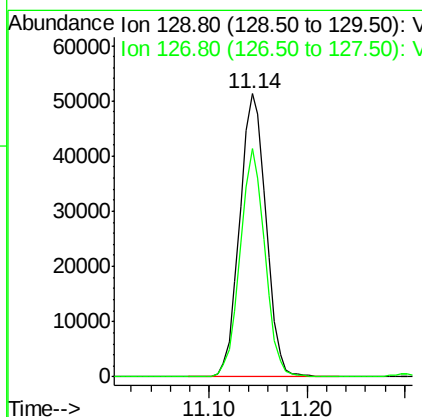
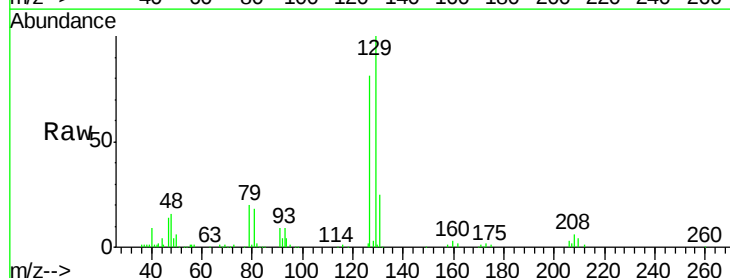
Manual Integrations
APPROVED

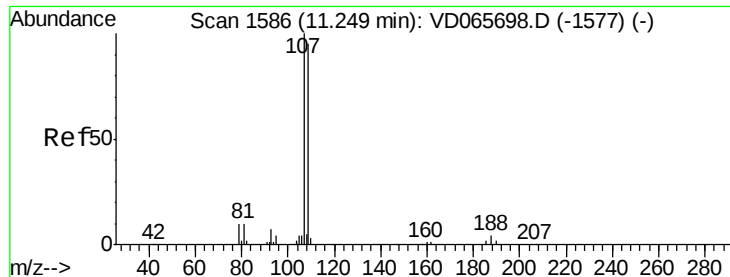
MMDadoda
5/7/2020 10:35:57 AM



#60
Dibromochloromethane
Concen: 18.783 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 129 Resp: 96793
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.6





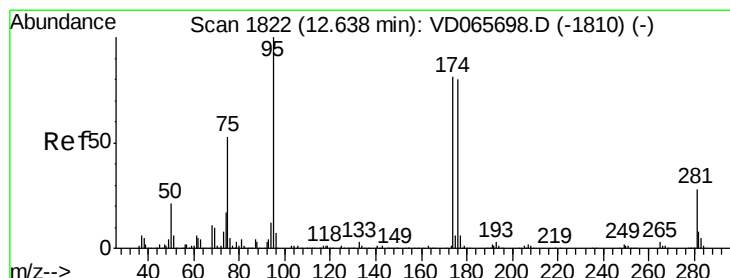
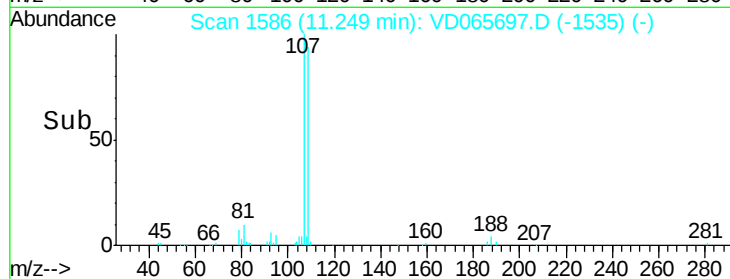
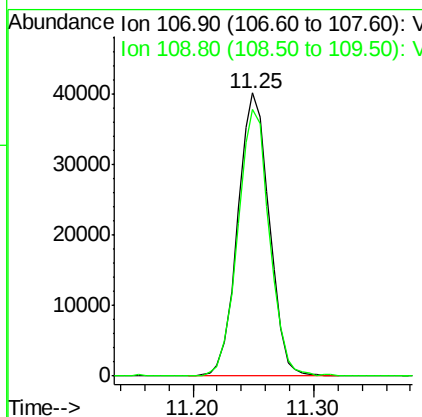
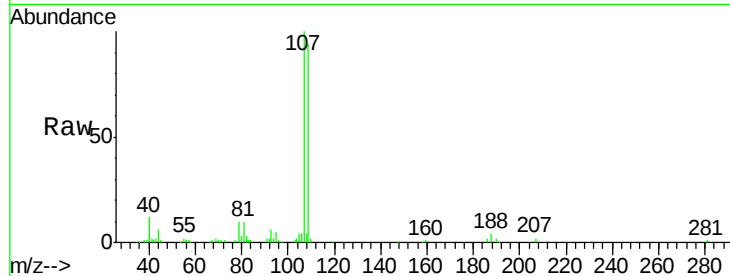
#61
 1,2-Dibromoethane
 Concen: 19.645 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.9	112.3

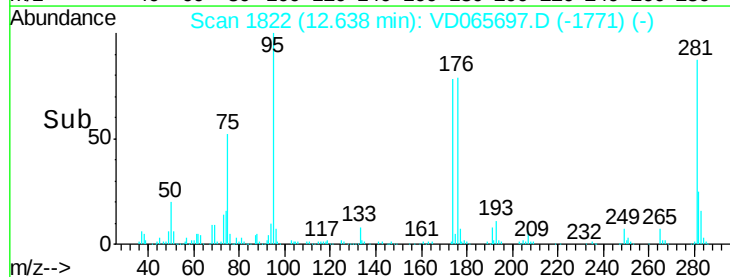
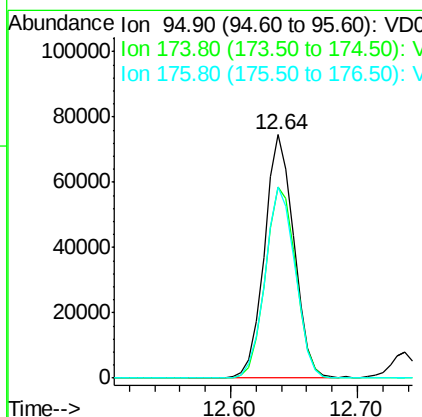
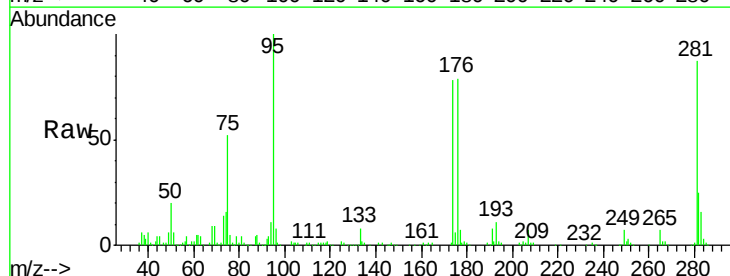
Manual Integrations
 APPROVED

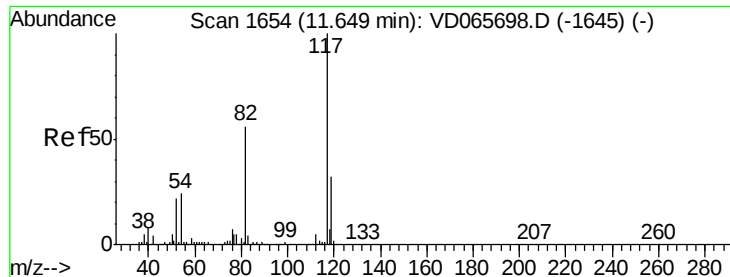
MMDadoda
 5/7/2020 10:35:57 AM



#62
 4-Bromofluorobenzene
 Concen: 19.851 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	162.6
176	80.0	0.0	159.0





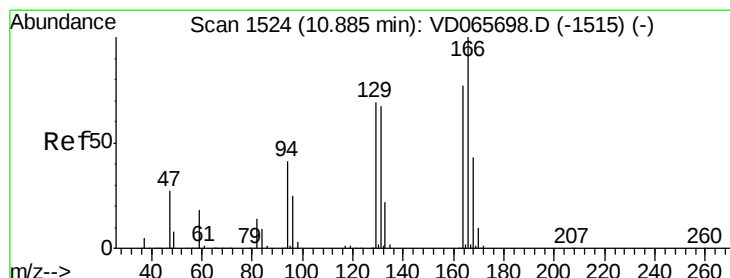
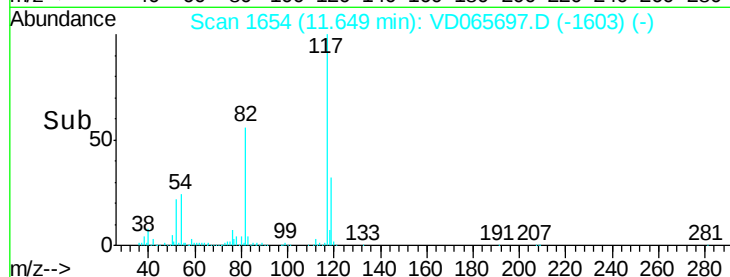
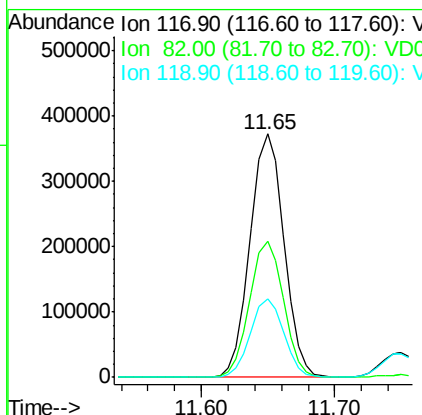
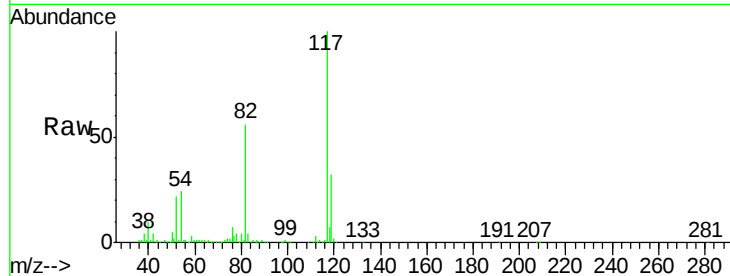
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	656574		
82	56.1		44.9	67.3
119	32.3		25.4	38.2

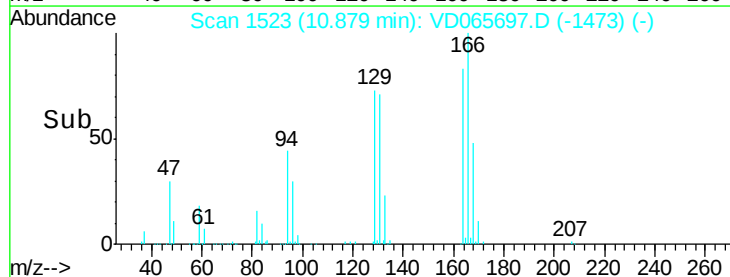
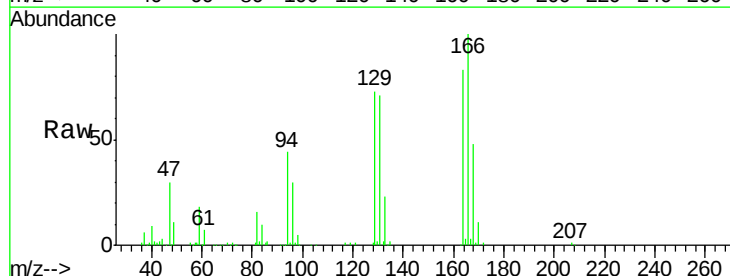
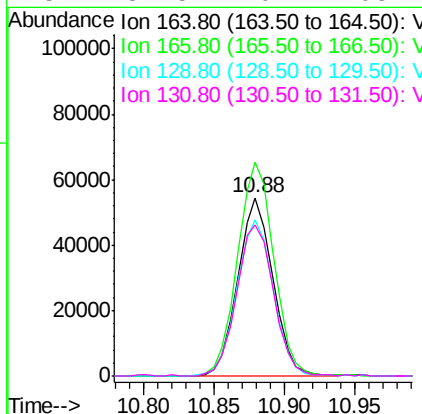
Manual Integrations
APPROVED

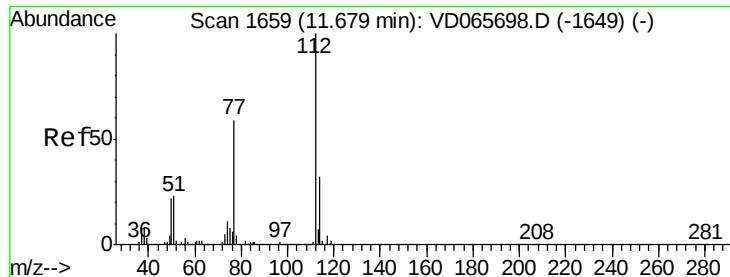
MMDadoda
5/7/2020 10:35:57 AM



#64
Tetrachloroethene
Concen: 18.724 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94682		
166	119.8		104.3	156.5
129	88.0		71.9	107.9
131	84.5		70.2	105.2





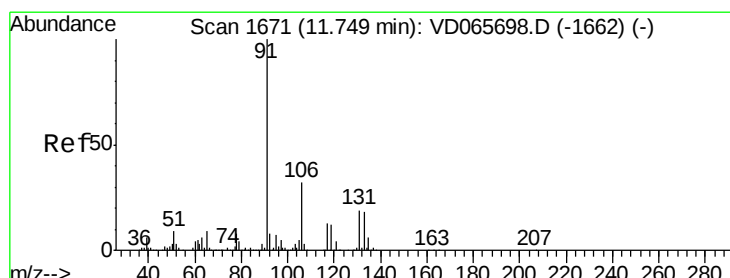
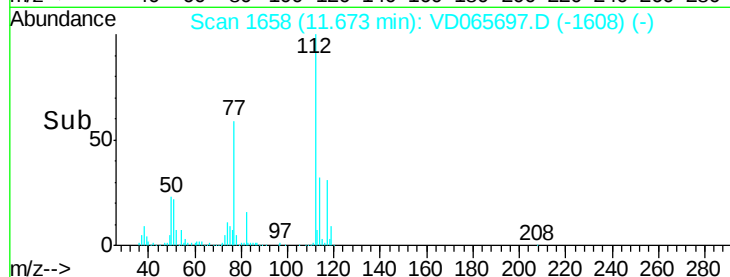
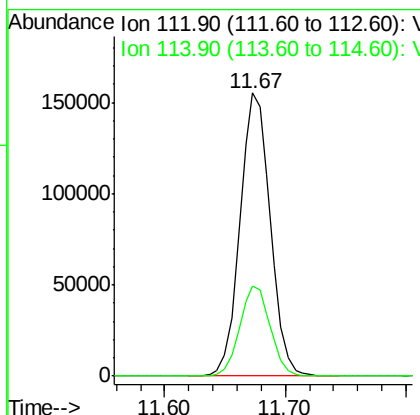
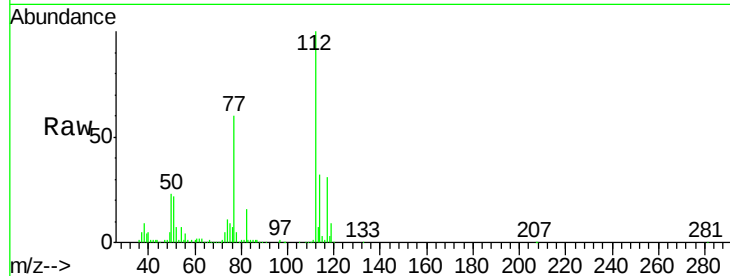
#65
Chlorobenzene
Concen: 19.560 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

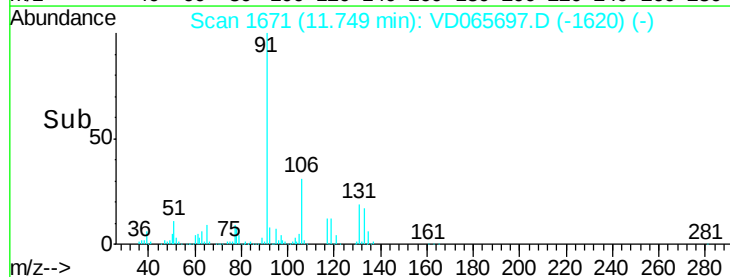
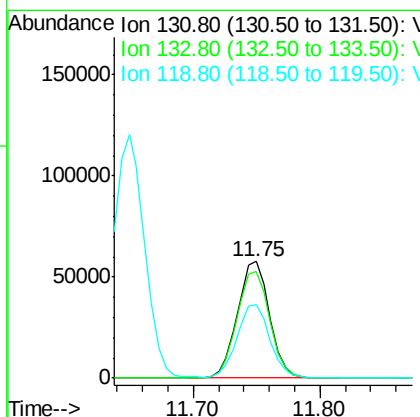
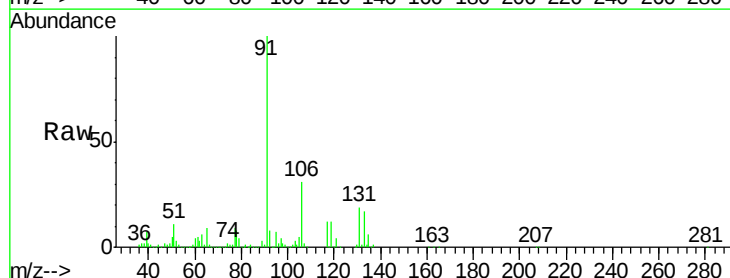
Manual Integrations
APPROVED

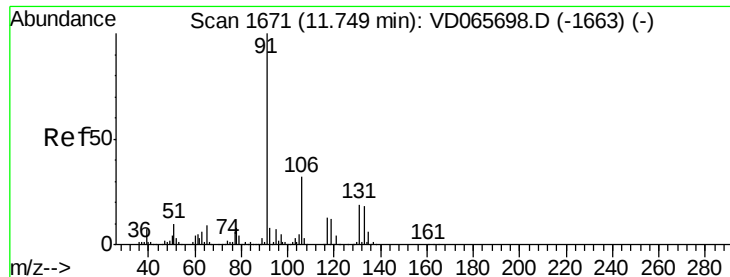
MMDadoda
5/7/2020 10:35:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.180 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	141.8
119	64.6	31.8	95.4





#67

Ethyl Benzene

Concen: 21.750 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 502638

Ion Ratio Lower Upper

91 100

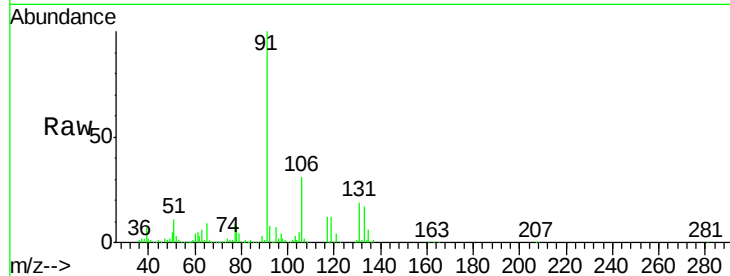
106 31.1 25.2 37.8

Manual Integrations

APPROVED

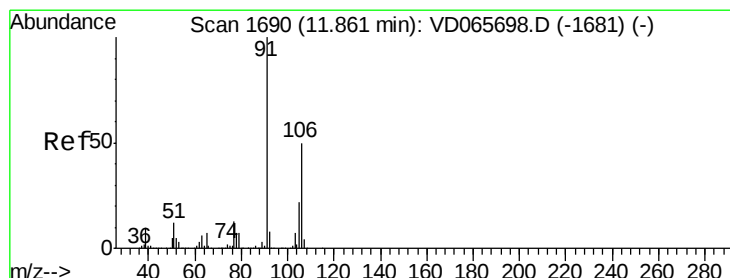
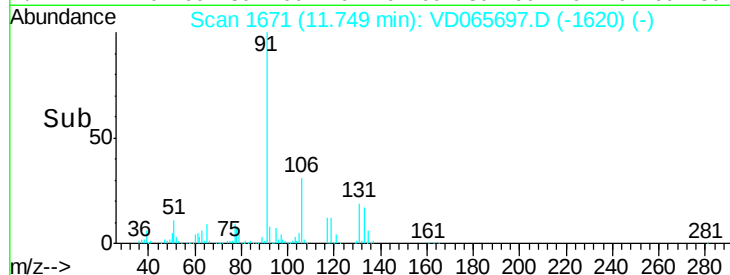
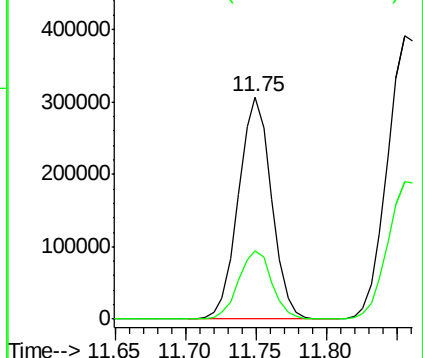
MMDadoda

5/7/2020 10:35:57 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.273 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065697.D

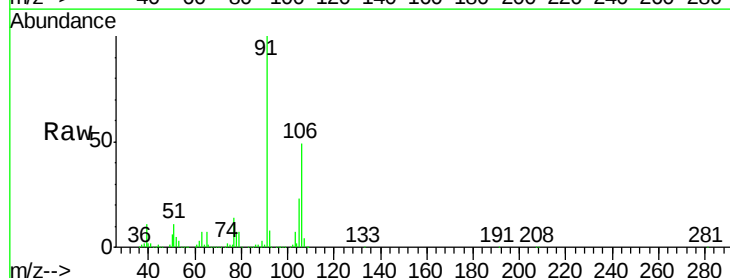
Acq: 06 May 2020 15:11

Tgt Ion: 106 Resp: 371147

Ion Ratio Lower Upper

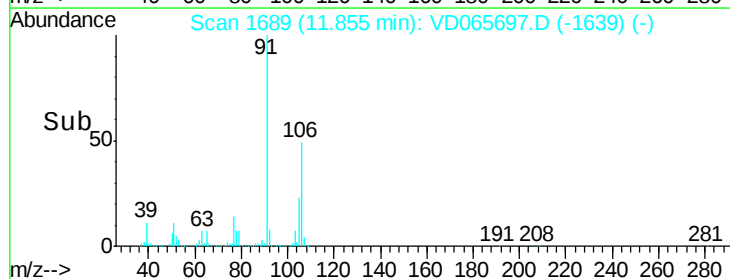
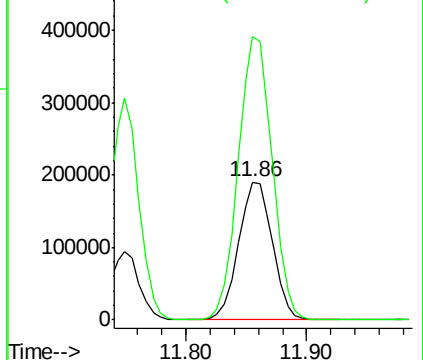
106 100

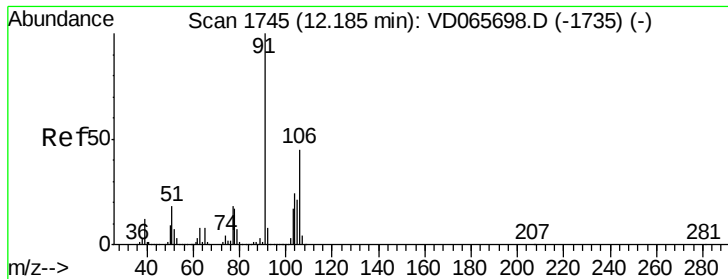
91 206.8 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





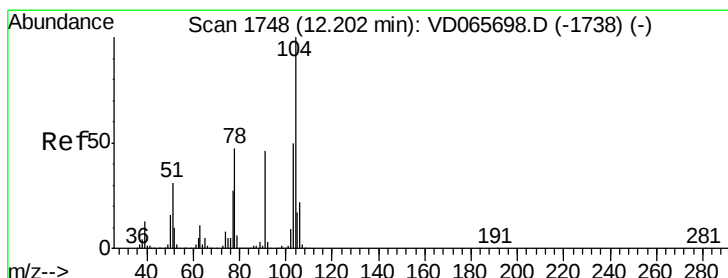
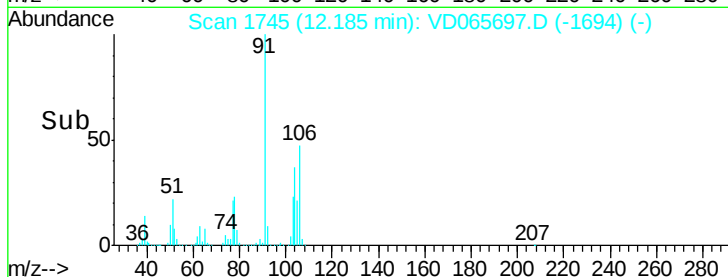
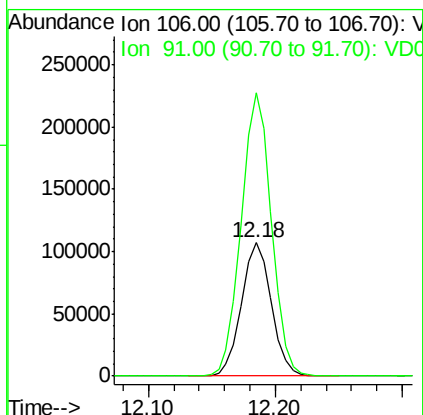
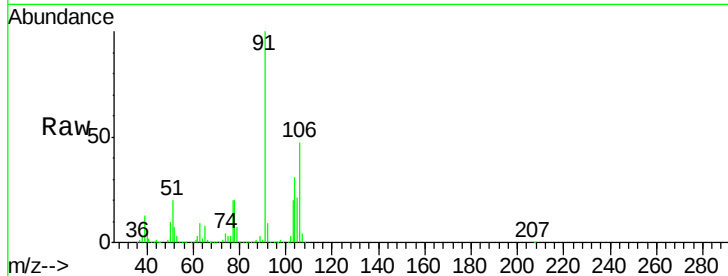
#69
o-Xylene
Concen: 22.261 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	214.6	107.9	323.7

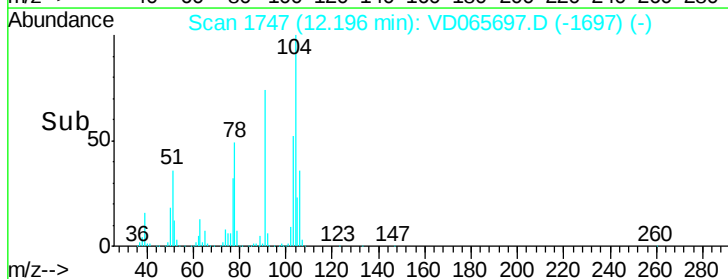
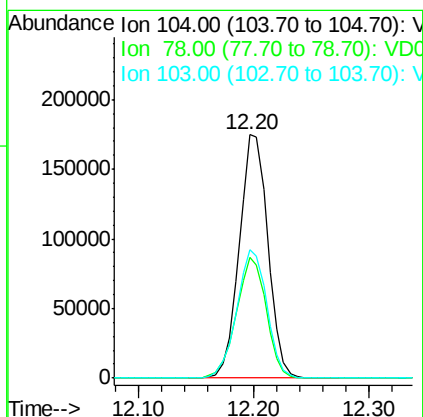
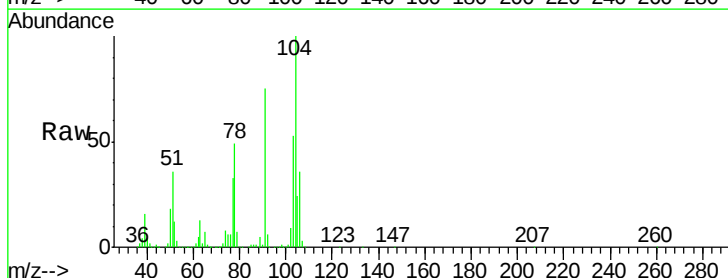
Manual Integrations
APPROVED

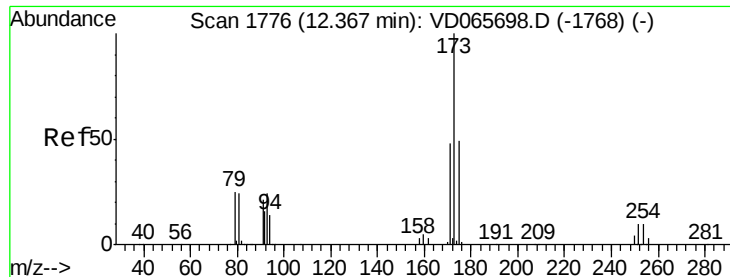
MMDadoda
5/7/2020 10:35:57 AM



#70
Styrene
Concen: 21.819 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.6	41.0	61.4
103	103	55.5	43.8	65.6





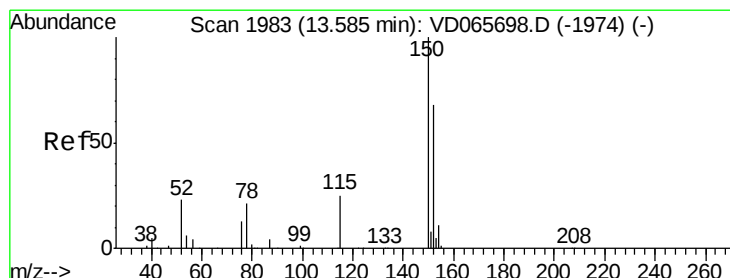
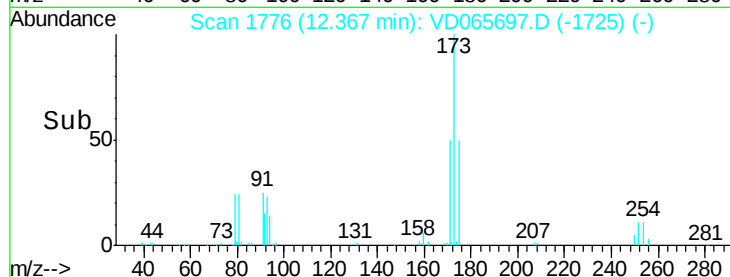
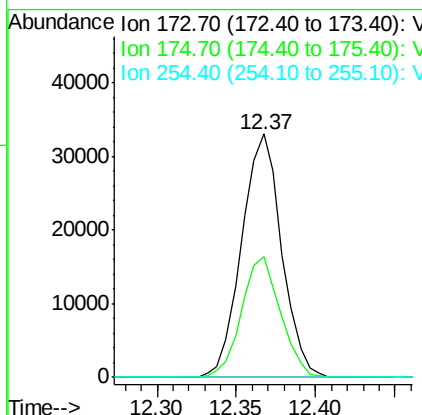
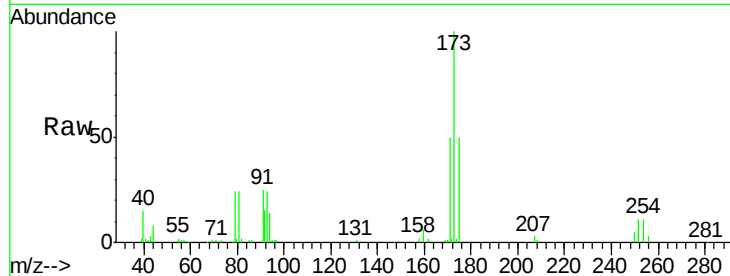
#71
Bromoform
Concen: 19.387 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.0	0.0

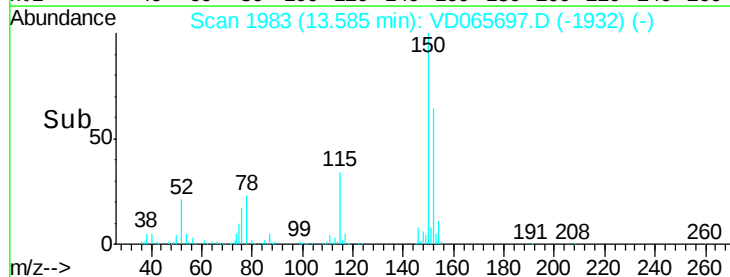
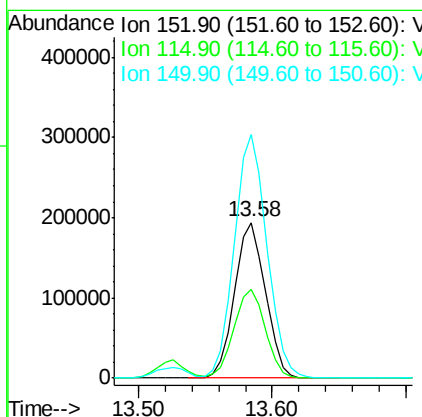
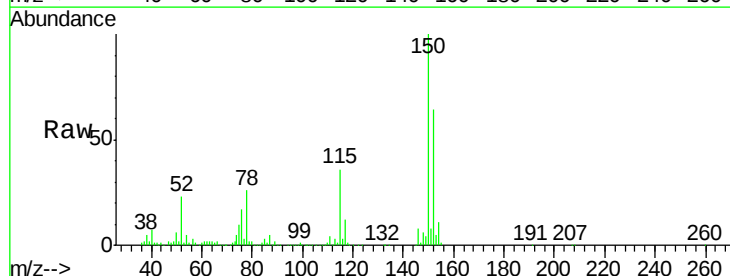
Manual Integrations
APPROVED

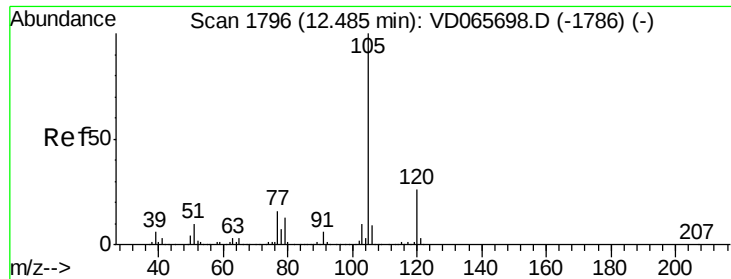
MMDadoda
5/7/2020 10:35:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.5	88.5
150	164.9	0.0	346.8





#73

Isopropylbenzene

Concen: 24.027 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 479723

Ion Ratio Lower Upper

105 100

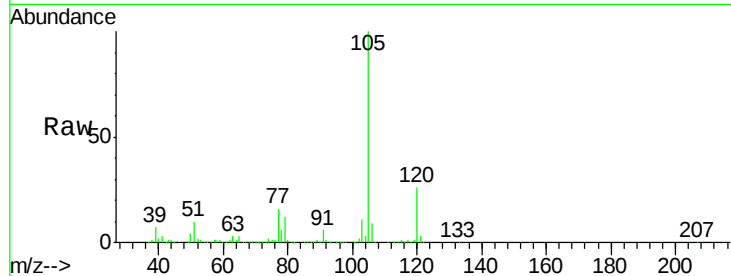
120 26.6 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

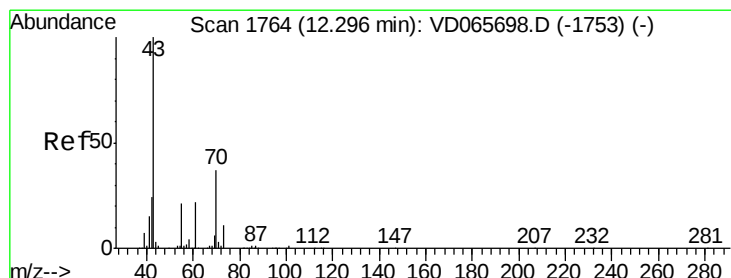
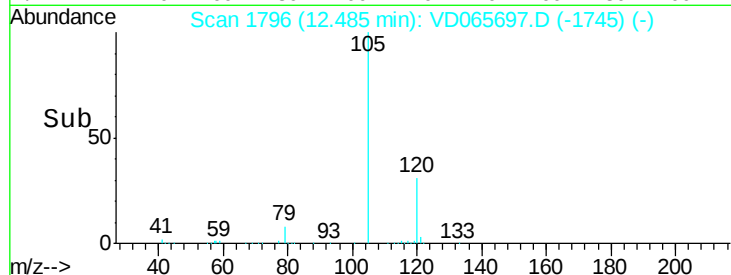
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 32.144 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion: 43 Resp: 142146

Ion Ratio Lower Upper

43 100

70 37.1 29.3 43.9

55 21.1 16.4 24.6

61 21.9 18.0 27.0

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

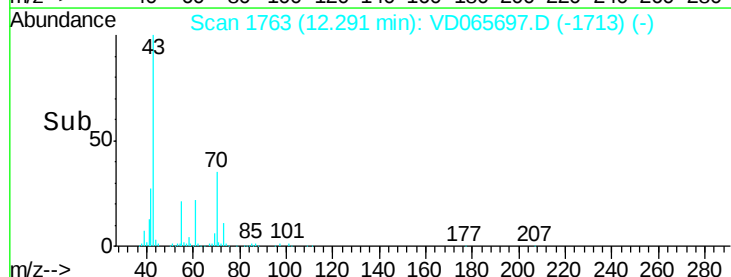
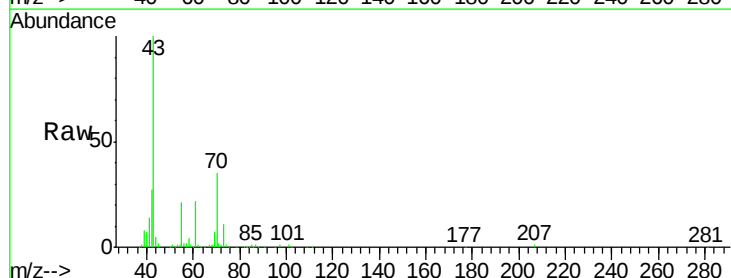
Ion 61.00 (60.70 to 61.70): VDC

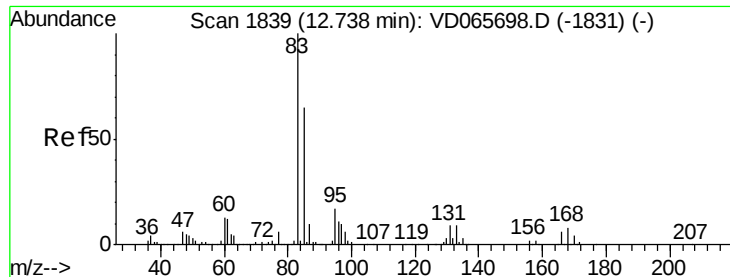
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

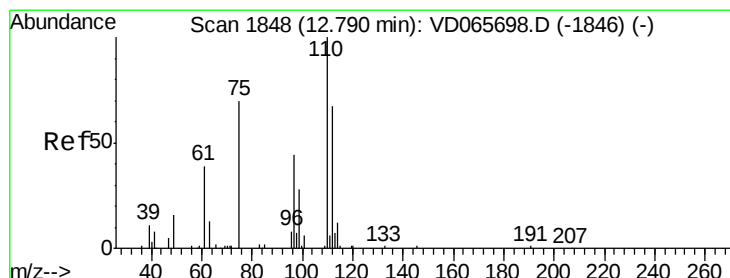
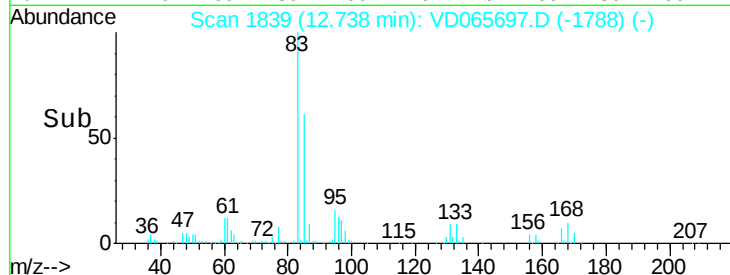
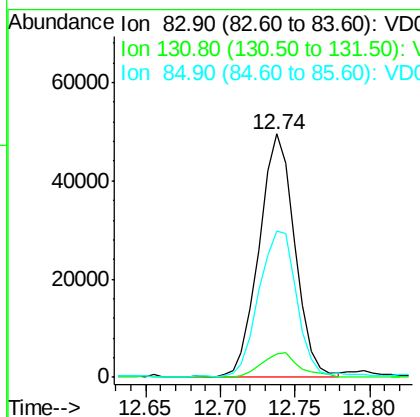
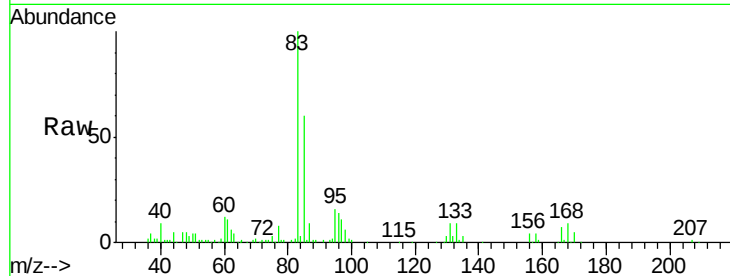
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	82259
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 21.452 ug/l m

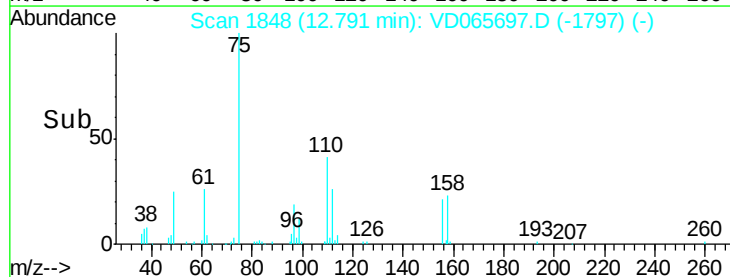
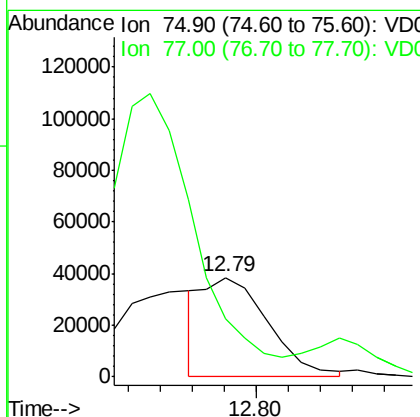
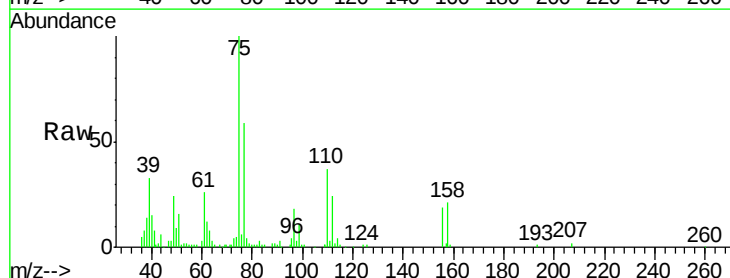
RT: 12.79 min Scan# 1848

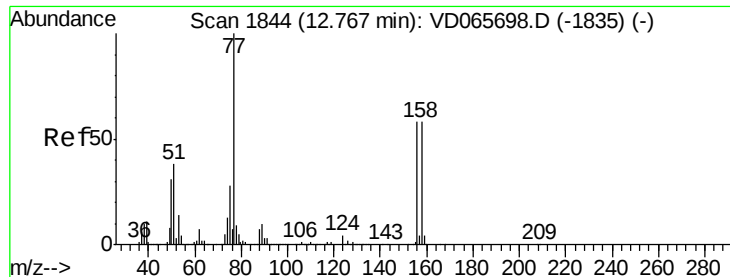
Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion:	75	Resp:	54236
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.840 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

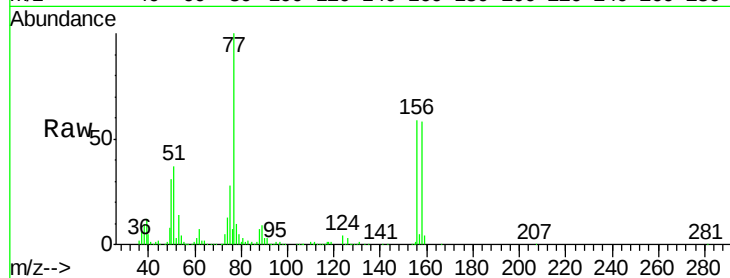
ClientSampleId :

VSTDIC020

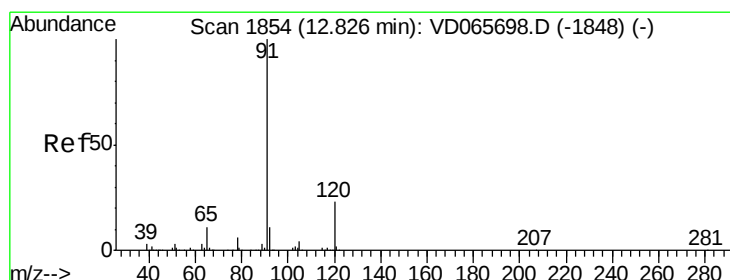
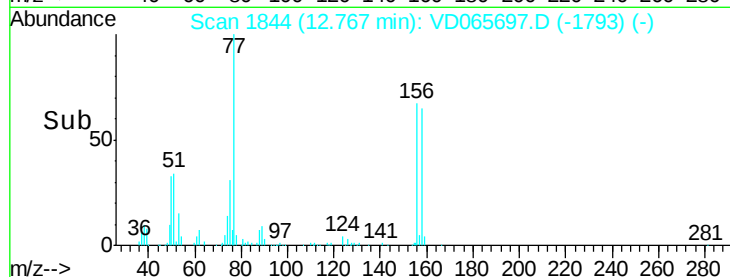
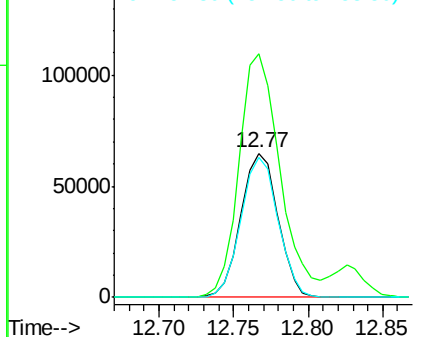
Tot Ion:	156	Resp:	111872
Ion Ratio	Lower	Upper	
156	100		
77	187.8	92.9	278.7
158	96.9	48.9	146.7

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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: 23.590 ug/l

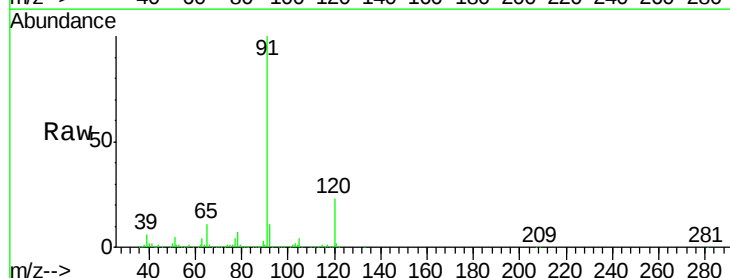
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

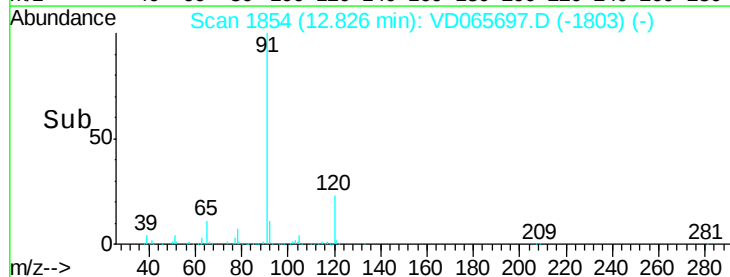
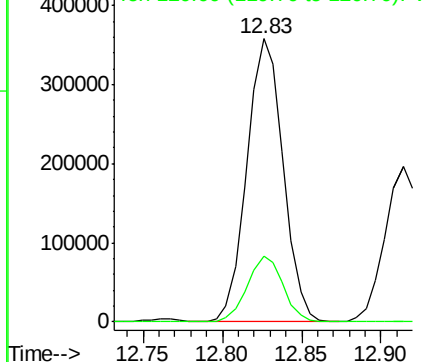
Lab File: VD065697.D

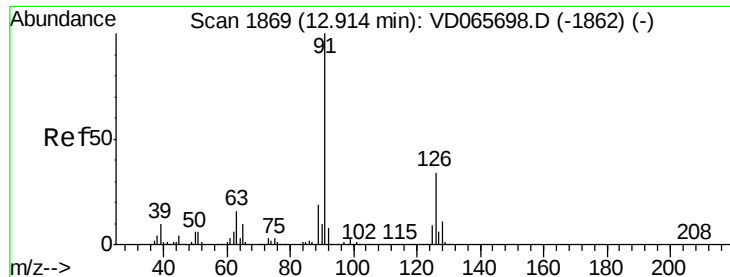
Acq: 06 May 2020 15:11

Tgt Ion:	91	Resp:	567969
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





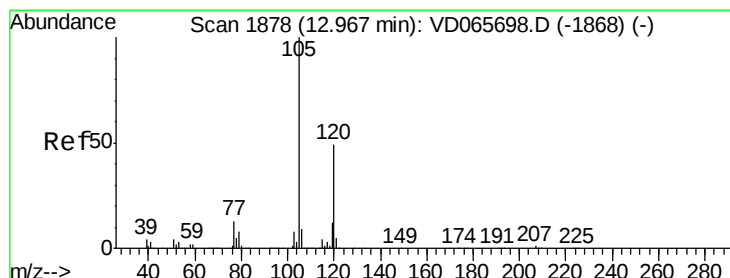
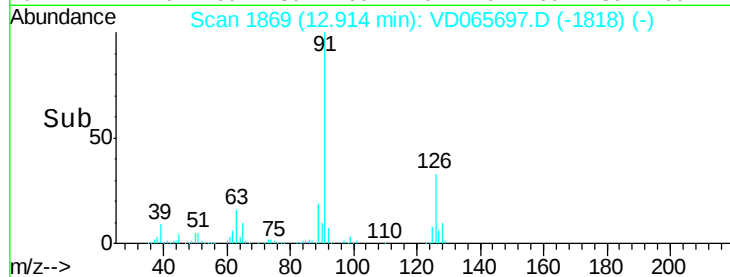
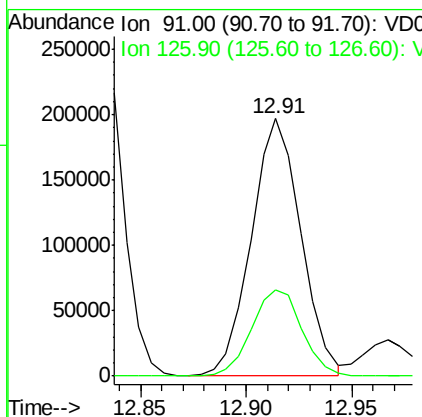
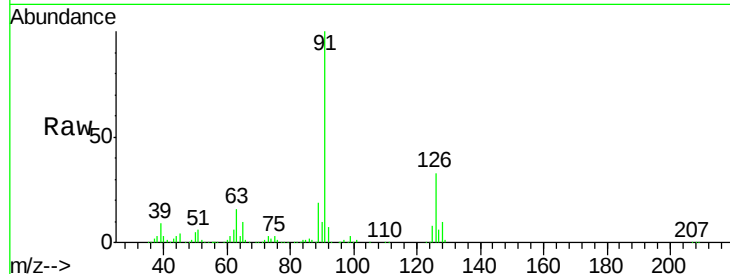
#79
 2-Chlorotoluene
 Concen: 23.174 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 320345
 Ion Ratio Lower Upper
 91 100
 126 34.3 16.9 50.6

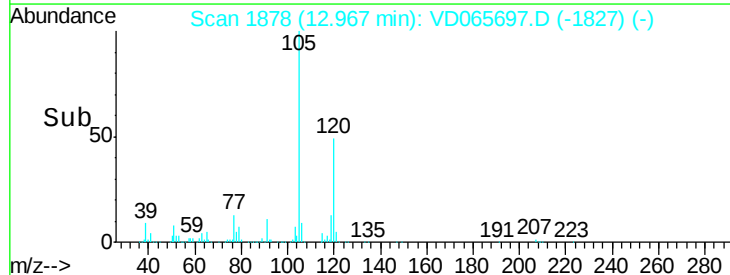
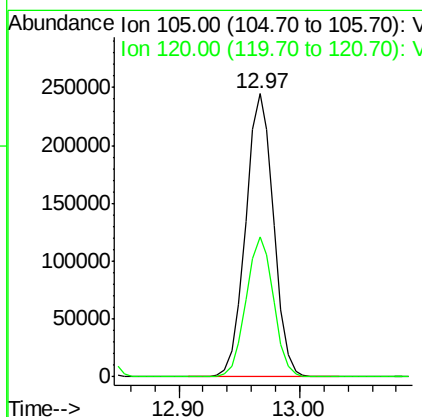
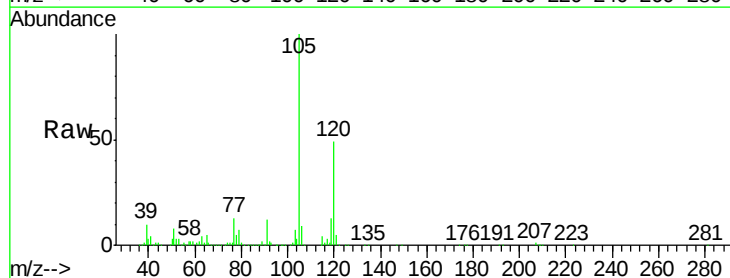
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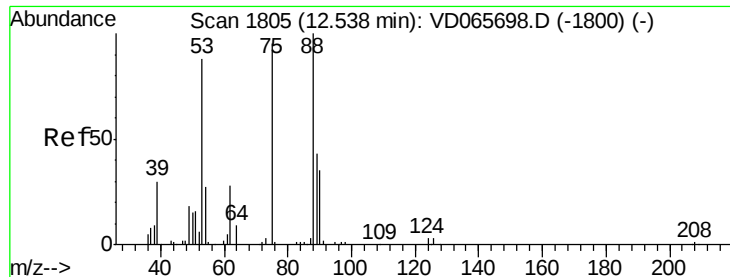
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.429 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion: 105 Resp: 393711
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 28.080 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 31846

Ion Ratio Lower Upper

75 100

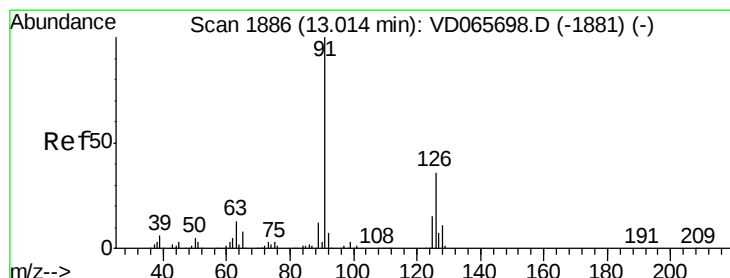
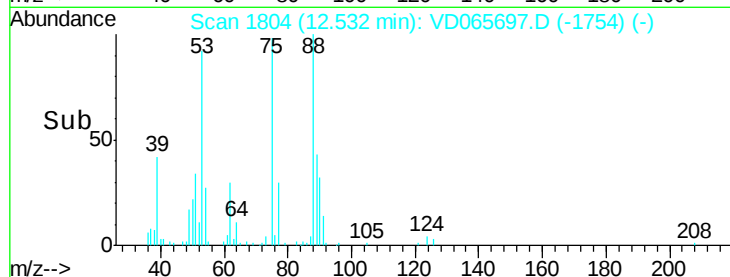
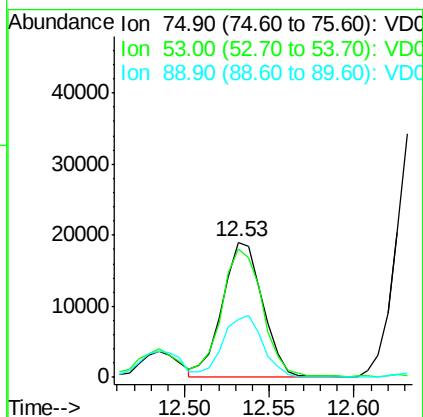
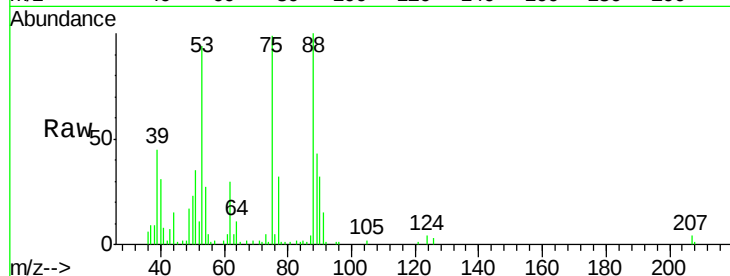
53 96.0 75.8 113.8

89 44.1 36.2 54.2

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#82

4-Chlorotoluene

Concen: 22.584 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065697.D

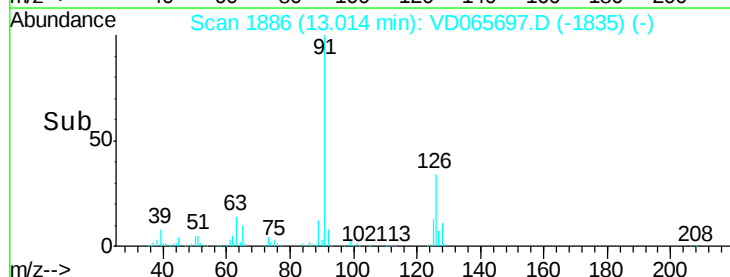
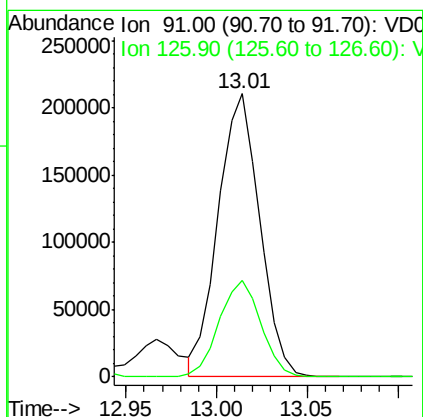
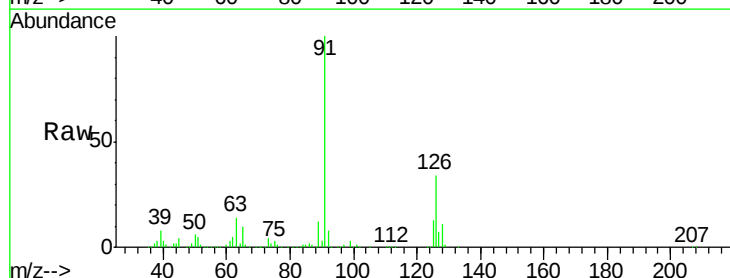
Acq: 06 May 2020 15:11

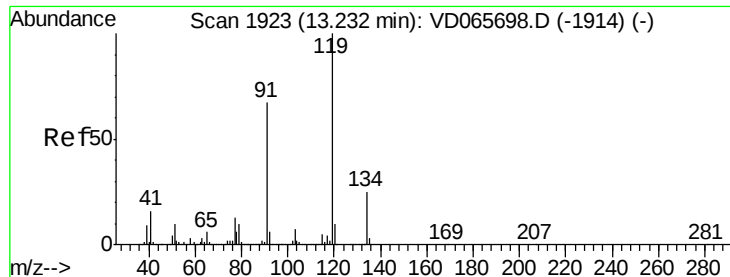
Tgt Ion: 91 Resp: 334626

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.3





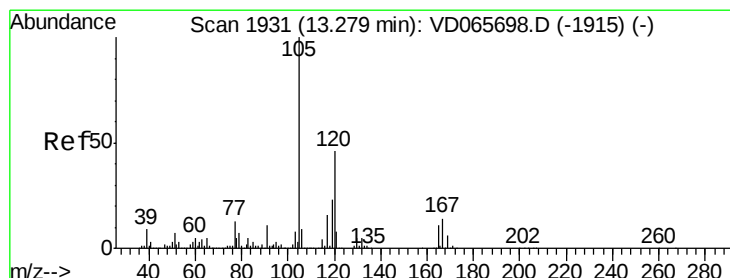
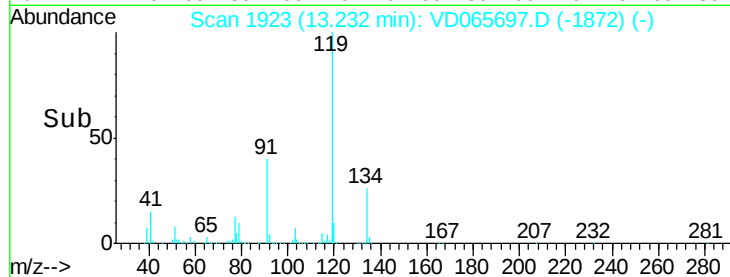
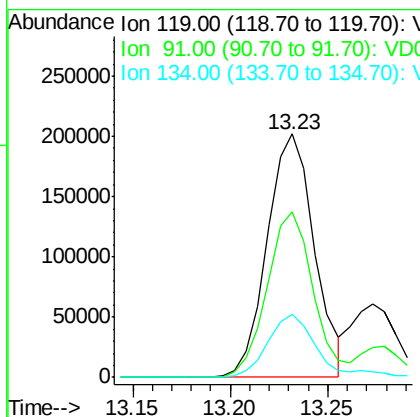
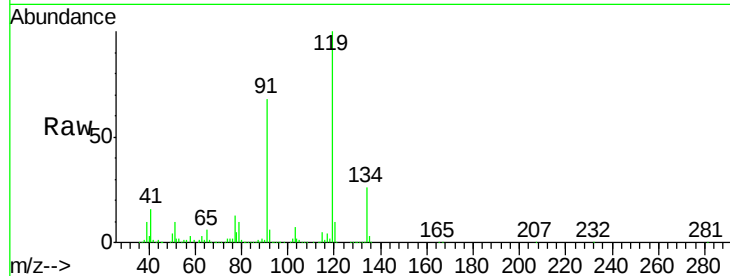
#83
tert-Butylbenzene
Concen: 24.207 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.6	100.8
134	27.1	13.6	40.8

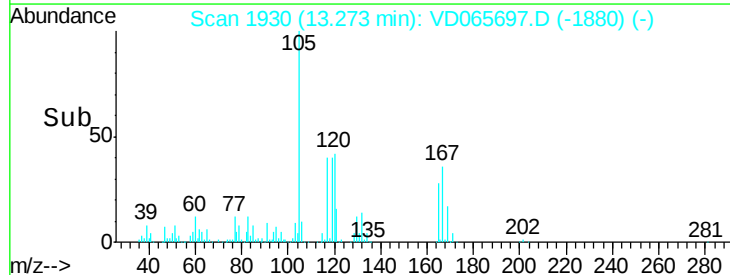
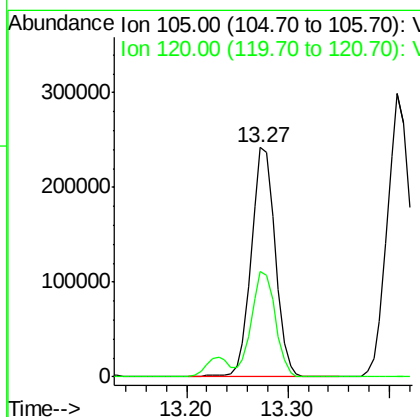
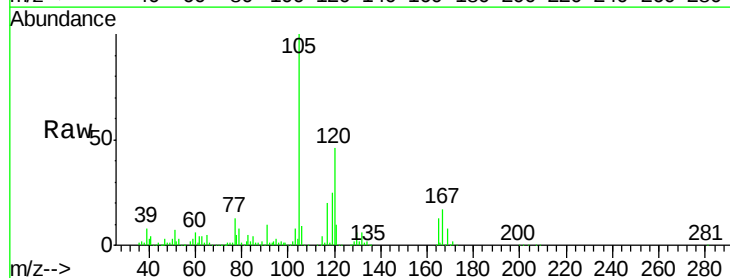
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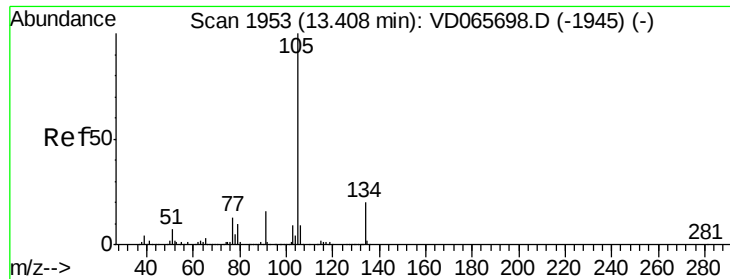
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#84
1,2,4-Trimethylbenzene
Concen: 23.921 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





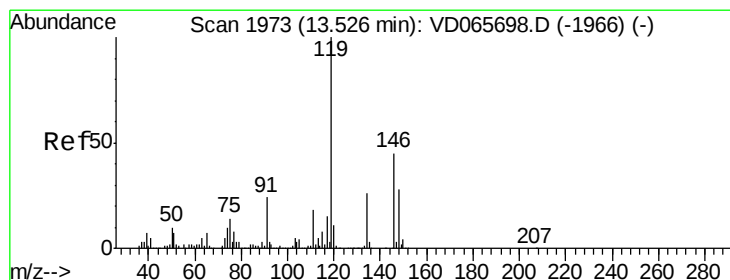
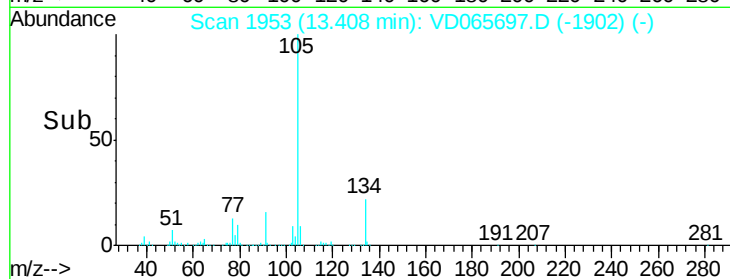
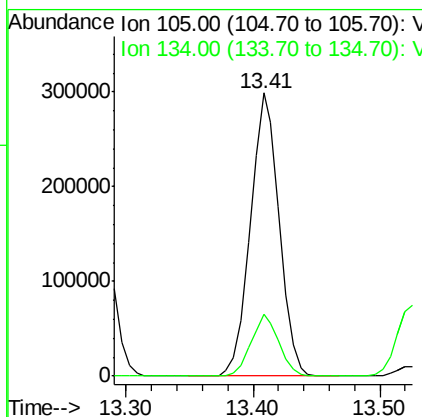
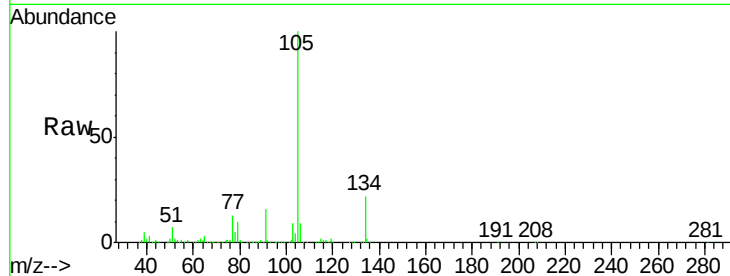
#85
 sec-Butylbenzene
 Concen: 23.504 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	471215		
134	21.1	10.3	30.8	

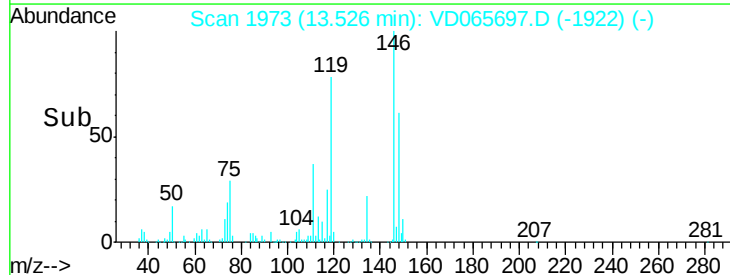
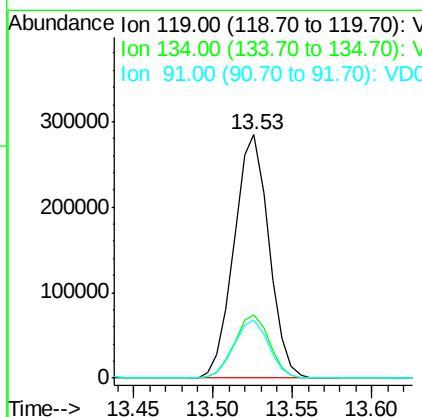
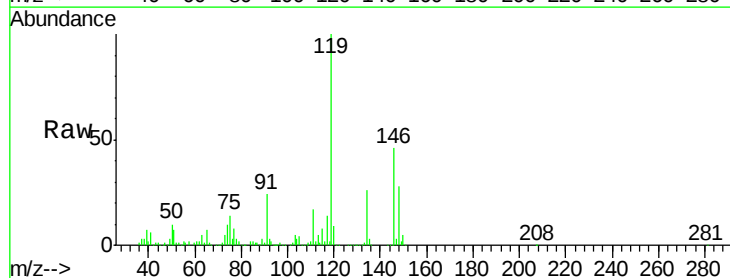
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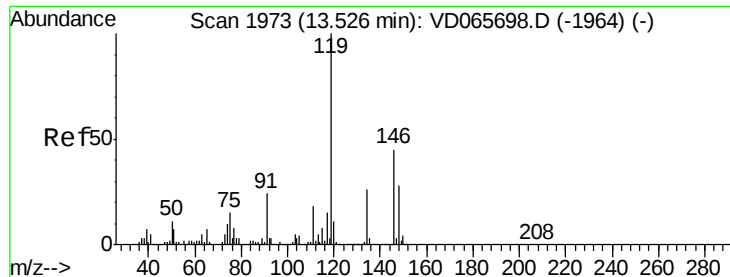
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#86
 p-Isopropyltoluene
 Concen: 23.551 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	432117		
134	26.4	13.2	39.6	
91	23.8	12.0	36.1	





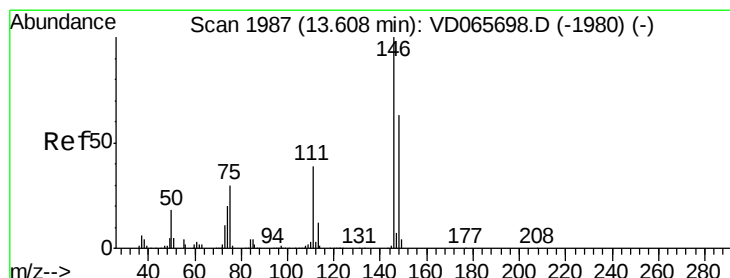
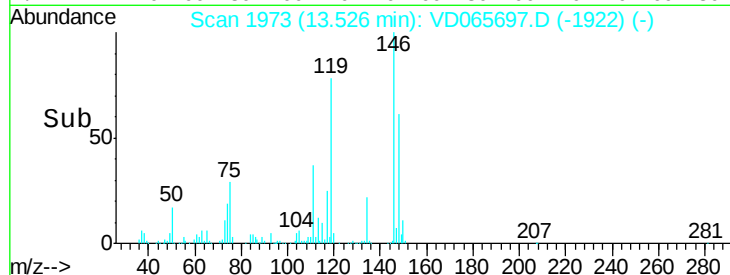
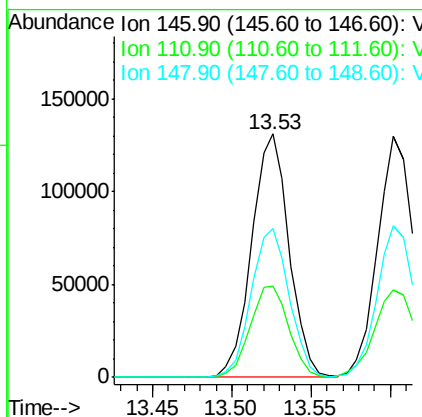
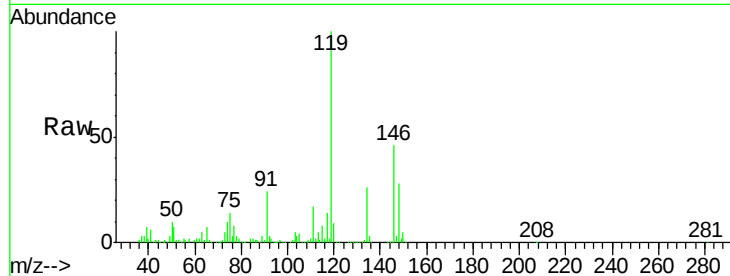
#87
 1,3-Dichlorobenzene
 Concen: 20.733 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	214508		
111	38.8	19.6	58.8	
148	62.4	31.9	95.7	

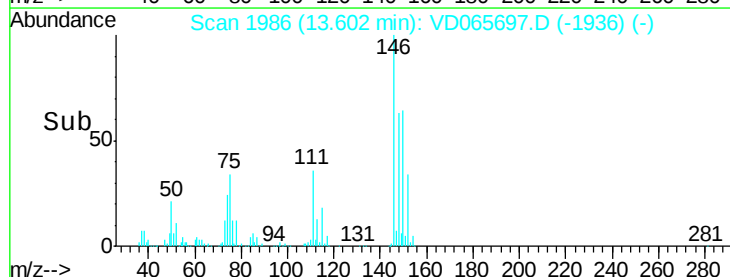
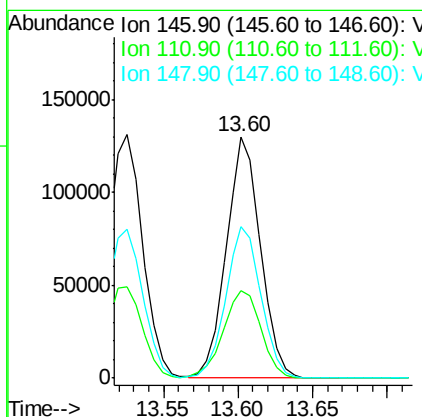
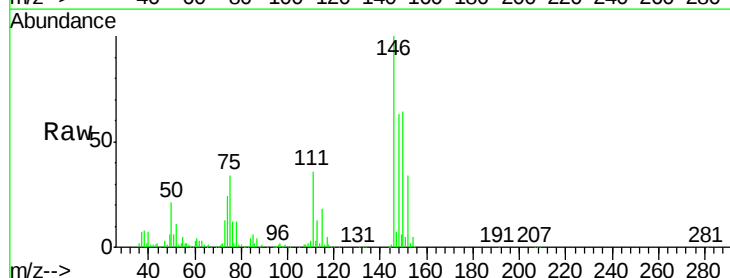
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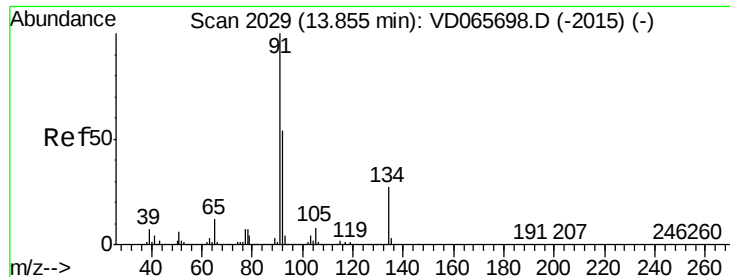
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#88
 1,4-Dichlorobenzene
 Concen: 20.097 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207537		
111	40.2	19.6	58.7	
148	64.6	31.9	95.5	





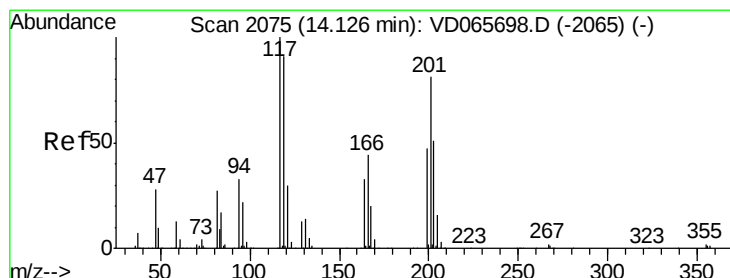
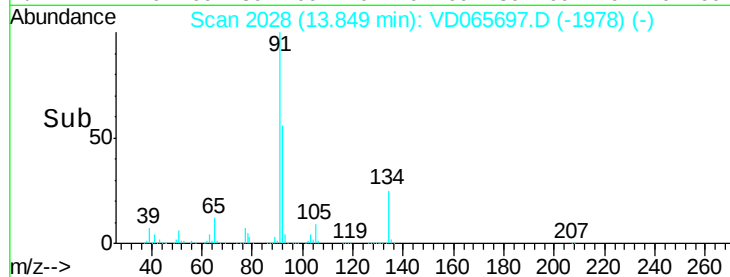
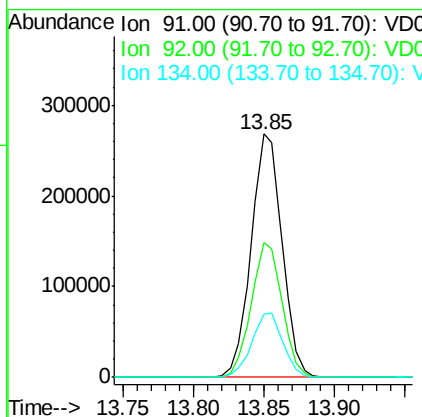
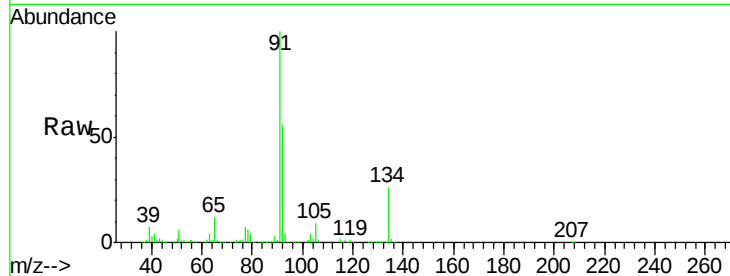
#89
n-Butylbenzene
Concen: 24.606 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.0
134	26.4	13.3	39.8

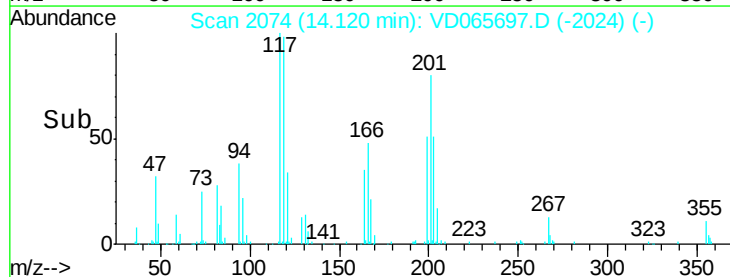
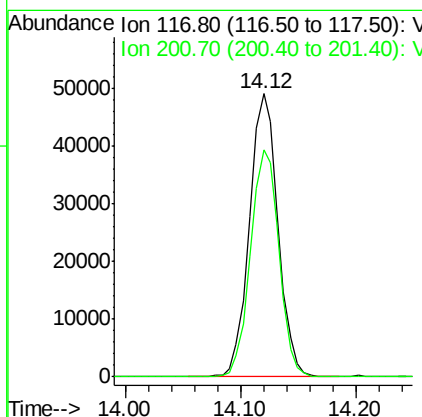
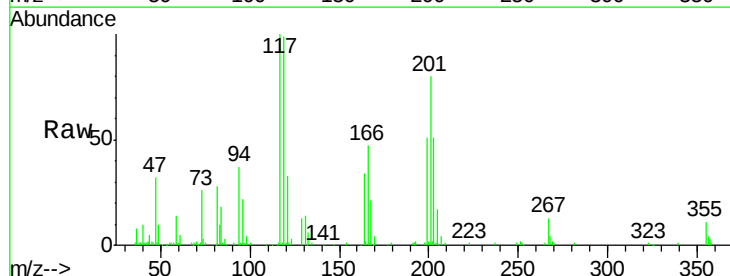
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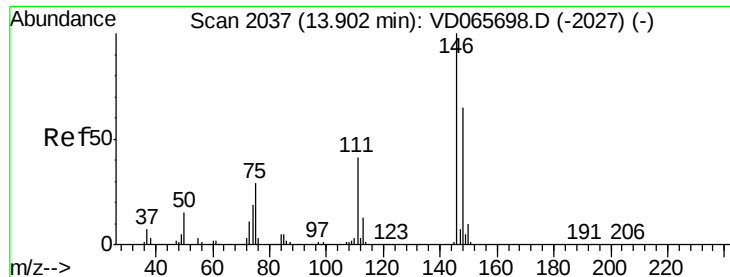
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#90
Hexachloroethane
Concen: 20.990 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.1	117.2





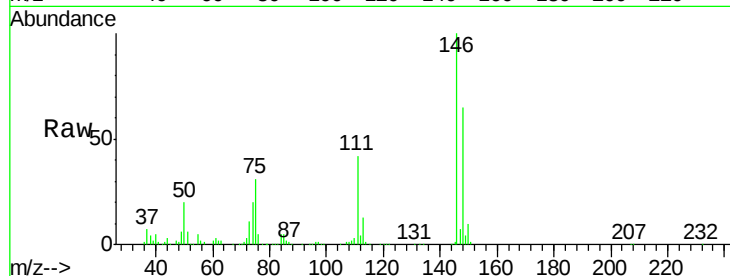
#91
 1,2-Dichlorobenzene
 Concen: 20.941 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

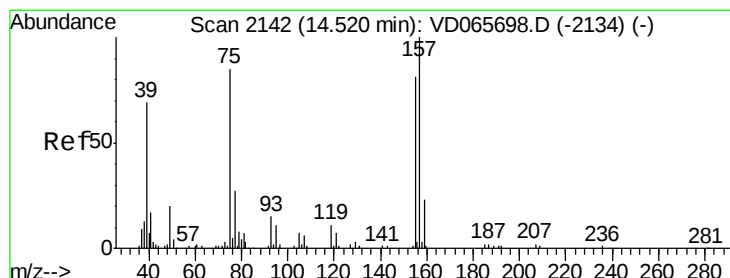
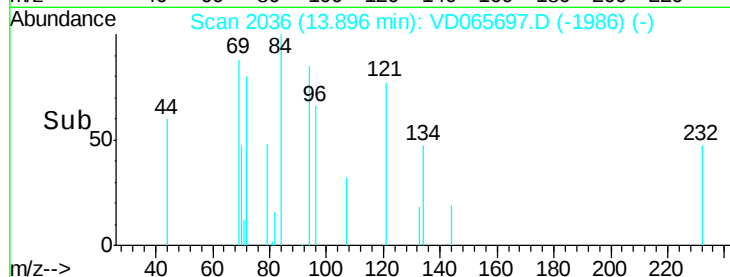
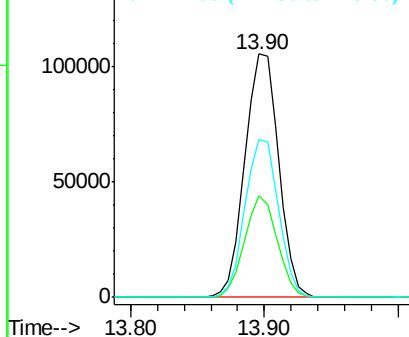
Tot Ion	Ratio	Resp	Lower	Upper
146	100	184610		
111	40.3	20.3	61.0	
148	64.2	31.9	95.9	

Manual Integrations
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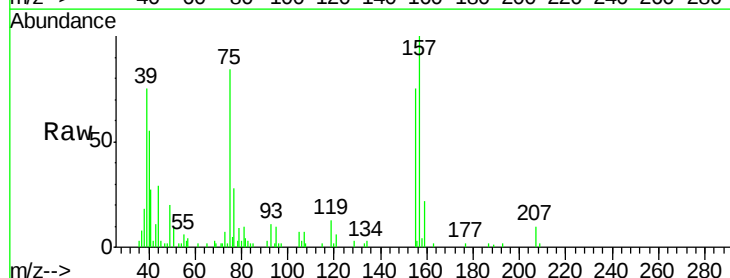


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

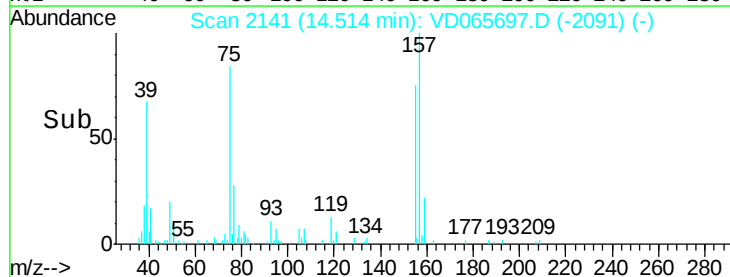
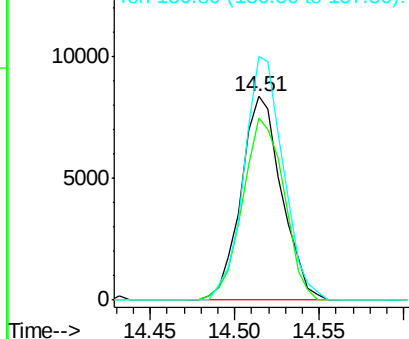


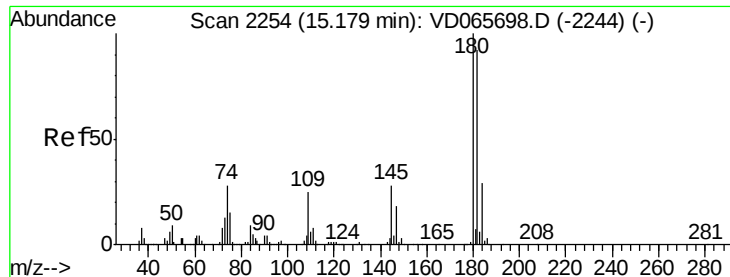
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.912 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14074		
155	90.6	43.5	130.5	
157	115.0	54.5	163.6	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





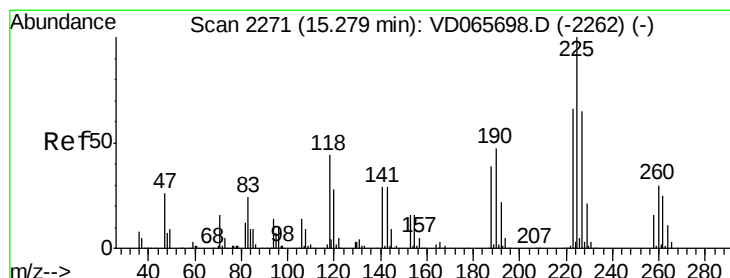
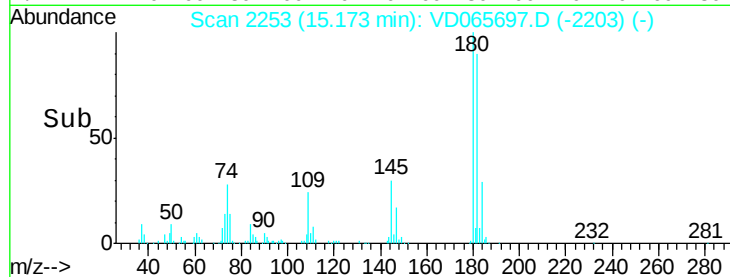
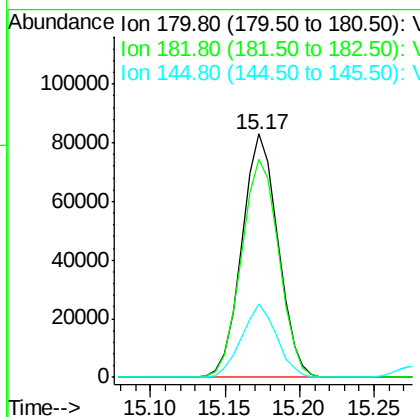
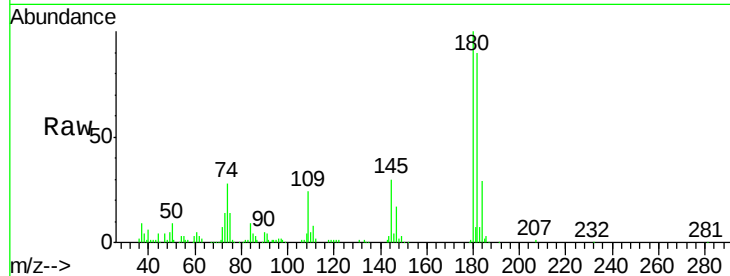
#93
 1,2,4-Trichlorobenzene
 Concen: 23.451 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	138965
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.0	141.0
145	29.3	14.8	44.3

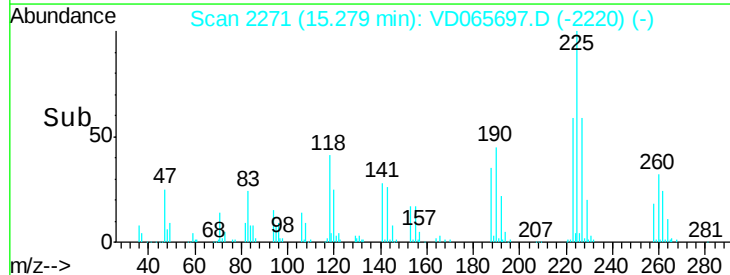
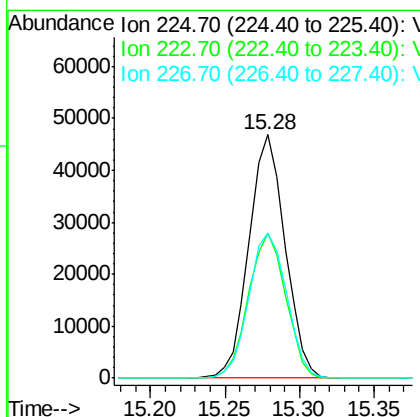
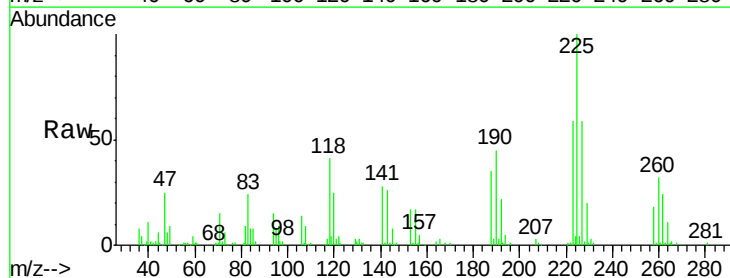
Manual Integrations
 APPROVED

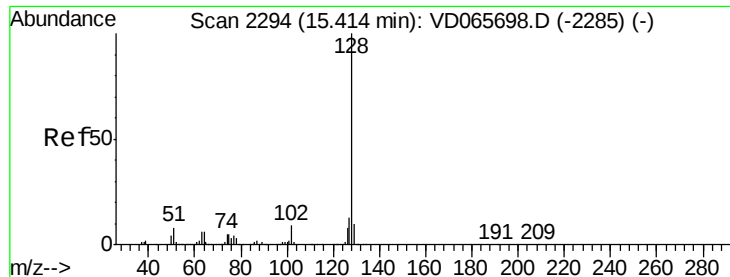
MMDadoda
 5/7/2020 10:35:57 AM



#94
 Hexachlorobutadiene
 Concen: 19.622 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion:	225	Resp:	78533
Ion Ratio	Lower	Upper	
225	100		
223	61.1	31.8	95.3
227	62.3	31.6	94.8





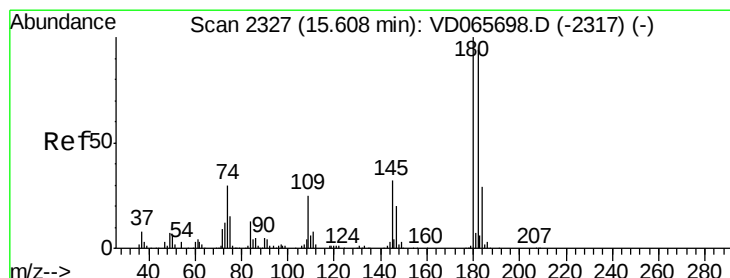
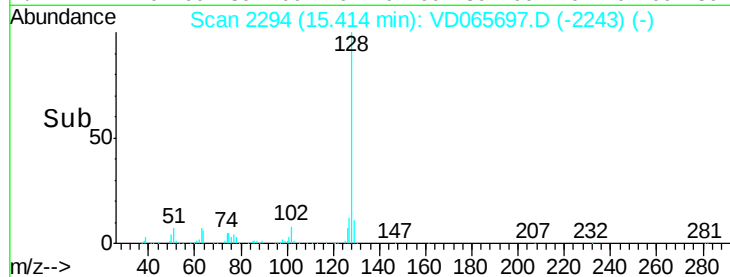
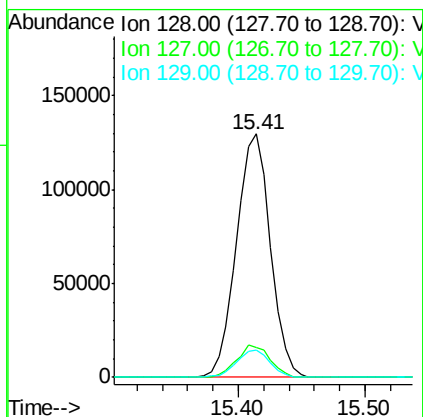
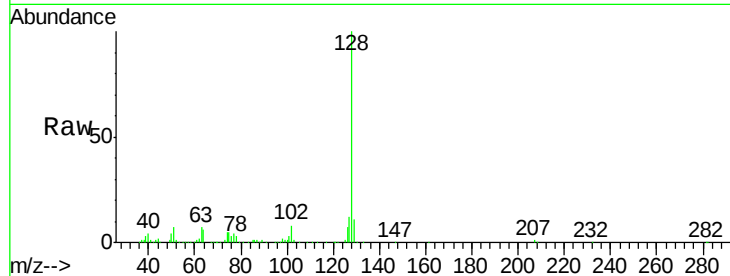
#95
Naphthalene
Concen: 26.933 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	239844
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.935 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion:	180	Resp:	117138
Ion Ratio	Lower	Upper	
180	100		
182	96.4	46.9	140.6
145	31.6	16.0	47.9

