

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065920.D
 Acq On : 07 Jul 2020 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:38 PM

Quant Time: Jul 08 09:28:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287059	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	20276	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	22445	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
50) Toluene-d8	10.34	98	75915	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
62) 4-Bromofluorobenzene	12.64	95	25608	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	19669	5.434	ug/l	88
3) Chloromethane	2.21	50	19832	5.527	ug/l	99
4) Vinyl Chloride	2.35	62	17824	5.410	ug/l	99
5) Bromomethane	2.77	94	12350	5.918	ug/l	98
6) Chloroethane	2.92	64	11071	5.621	ug/l	92
7) Trichlorofluoromethane	3.27	101	38064	5.391	ug/l	91
8) Diethyl Ether	3.71	74	10503	5.422	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	23073	5.463	ug/l	97
10) Methyl Iodide	4.30	142	16050	4.001	ug/l #	90
11) Tert butyl alcohol	5.21	59	7686m	30.069	ug/l	
12) 1,1-Dichloroethene	4.06	96	21732	5.508	ug/l #	95
13) Acrolein	3.92	56	6505	30.556	ug/l	94
14) Allyl chloride	4.71	41	33720	5.043	ug/l	96
15) Acrylonitrile	5.41	53	21067	24.839	ug/l	94
16) Acetone	4.16	43	23696	28.022	ug/l	99
17) Carbon Disulfide	4.41	76	67569	5.374	ug/l	99
18) Methyl Acetate	4.72	43	12552	6.332	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	39893	4.775	ug/l	100
20) Methylene Chloride	4.97	84	43157	7.184	ug/l #	76
21) trans-1,2-Dichloroethene	5.47	96	23512	5.296	ug/l	87
22) Diisopropyl ether	6.36	45	62622	4.983	ug/l	98
23) Vinyl Acetate	6.30	43	166216	23.173	ug/l	97
24) 1,1-Dichloroethane	6.26	63	39756	5.306	ug/l	97
25) 2-Butanone	7.21	43	29239	26.167	ug/l	99
26) 2,2-Dichloropropane	7.20	77	35544	5.422	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	24669	5.172	ug/l	97
28) Bromochloromethane	7.54	49	14380	5.080	ug/l	98
29) Tetrahydrofuran	7.56	42	18858	26.540	ug/l	95
30) Chloroform	7.71	83	40657	5.352	ug/l	90
31) Cyclohexane	7.98	56	43745	5.933	ug/l #	78
32) 1,1,1-Trichloroethane	7.90	97	36249	5.229	ug/l	97
36) 1,1-Dichloropropene	8.11	75	32858	5.274	ug/l	95
37) Ethyl Acetate	7.29	43	13552	5.191	ug/l #	94
38) Carbon Tetrachloride	8.10	117	36109	5.407	ug/l	91

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Manual Integrations
 APPROVED

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	38045	4.974	ug/l	96
40) Benzene	8.34	78	87728	5.097	ug/l	100
41) Methacrylonitrile	7.53	41	7760	5.001	ug/l #	91
42) 1,2-Dichloroethane	8.42	62	25834	5.298	ug/l	99
43) Isopropyl Acetate	8.45	43	23744	4.886	ug/l	97
44) Trichloroethene	9.11	130	25647	5.071	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21656	5.069	ug/l	93
46) Dibromomethane	9.48	93	11661	5.243	ug/l	98
47) Bromodichloromethane	9.66	83	30649	5.137	ug/l	92
48) Methyl methacrylate	9.46	41	10873	4.445	ug/l	89
49) 1,4-Dioxane	9.46	88	2913	110.224	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	62016	25.243	ug/l	92
52) Toluene	10.40	92	53978	4.929	ug/l	93
53) t-1,3-Dichloropropene	10.62	75	27186	4.846	ug/l #	87
54) cis-1,3-Dichloropropene	10.09	75	33633	4.962	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	15627	5.099	ug/l	95
56) Ethyl methacrylate	10.66	69	16408	4.384	ug/l	93
57) 1,3-Dichloropropane	10.94	76	26743	4.990	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	45461	25.079	ug/l	98
59) 2-Hexanone	10.98	43	40511	23.977	ug/l	95
60) Dibromochloromethane	11.14	129	21068	5.032	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16666	5.455	ug/l	90
64) Tetrachloroethene	10.88	164	22567	5.307	ug/l	94
65) Chlorobenzene	11.67	112	58978	5.005	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22822	5.178	ug/l	96
67) Ethyl Benzene	11.75	91	104392	4.987	ug/l	98
68) m/p-Xylenes	11.86	106	78158	9.828	ug/l	99
69) o-Xylene	12.18	106	34043	4.699	ug/l	95
70) Styrene	12.20	104	61421	4.911	ug/l	97
71) Bromoform	12.37	173	13033	5.226	ug/l #	99
73) Isopropylbenzene	12.48	105	93525	4.668	ug/l	98
74) N-amyl acetate	12.29	43	21247	4.726	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	16900	5.081	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	14166m	5.907	ug/l	
77) Bromobenzene	12.76	156	24000	4.939	ug/l	97
78) n-propylbenzene	12.82	91	113066	4.814	ug/l	97
79) 2-Chlorotoluene	12.91	91	66766	5.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	77027	4.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5044	4.501	ug/l	94
82) 4-Chlorotoluene	13.01	91	69801	4.993	ug/l	99
83) tert-Butylbenzene	13.23	119	63493	4.548	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	78895	4.837	ug/l	100
85) sec-Butylbenzene	13.40	105	94364	4.769	ug/l	98
86) p-Isopropyltoluene	13.52	119	85475	4.723	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	44693	4.915	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	45514	5.017	ug/l	93
89) n-Butylbenzene	13.84	91	81532	4.798	ug/l	96
90) Hexachloroethane	14.11	117	18024	4.939	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	39690	4.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2835	5.097	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

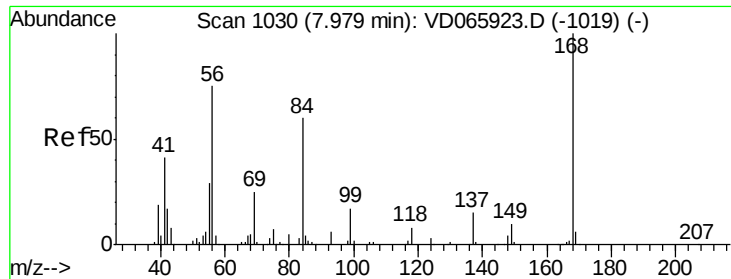
Manual Integrations
APPROVED

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7/8/2020 12:05:38 PM

Quant Time: Jul 08 09:28:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27349	4.829	ug/l	98
94) Hexachlorobutadiene	15.27	225	17477	5.101	ug/l	95
95) Naphthalene	15.40	128	43924	4.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	23179	4.745	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 407147

Ion Ratio Lower Upper

168 100

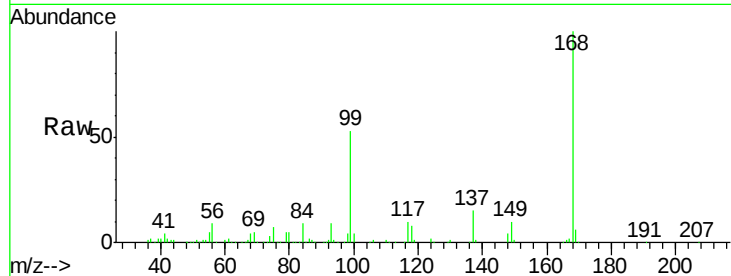
99 52.7 43.1 64.7

Manual Integrations

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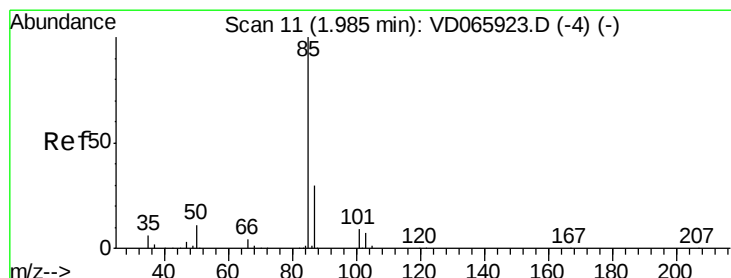
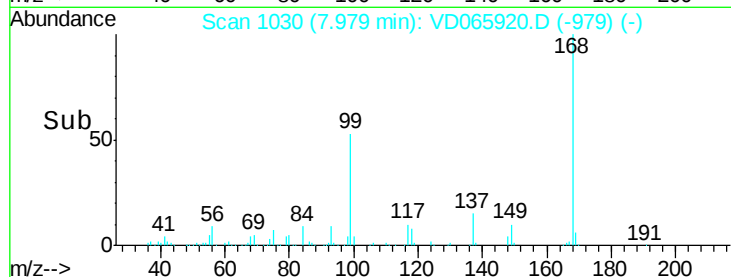
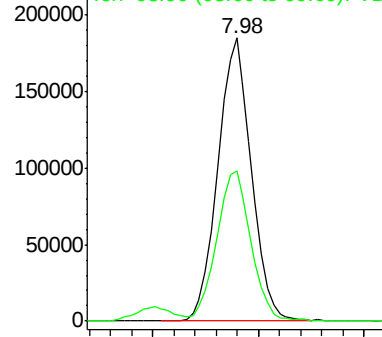
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.434 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065920.D

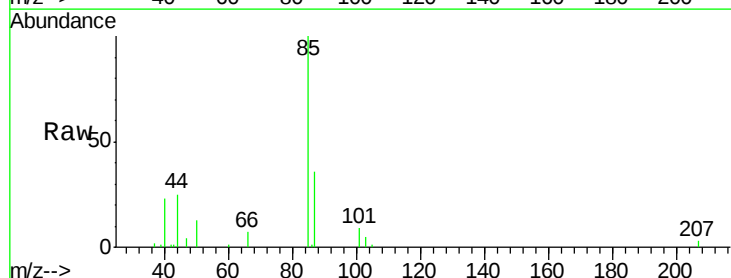
Acq: 07 Jul 2020 13:40

Tgt Ion: 85 Resp: 19669

Ion Ratio Lower Upper

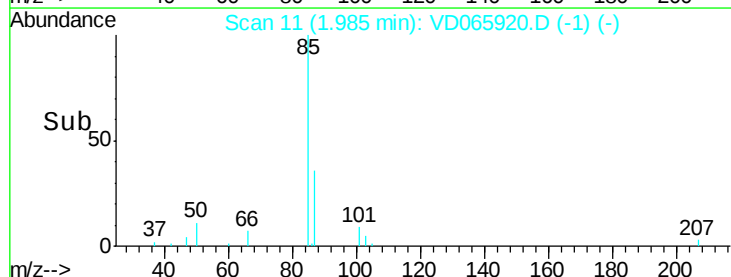
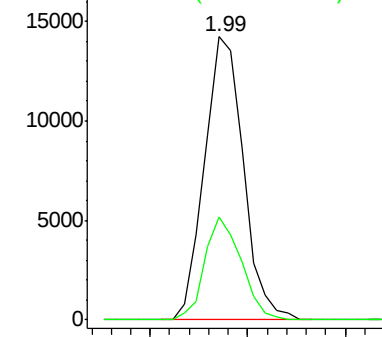
85 100

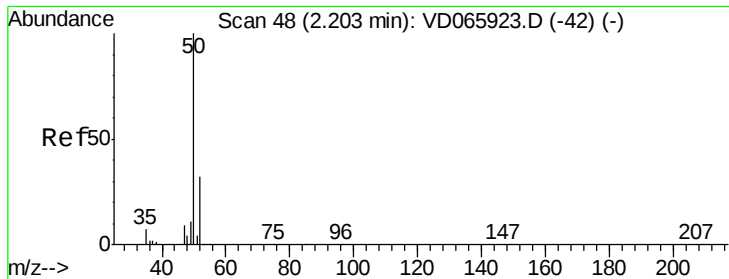
87 36.4 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19832

Ion Ratio Lower Upper

50 100

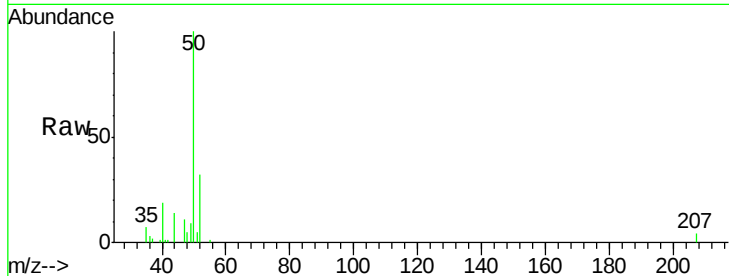
52 31.6 25.6 38.4

Manual Integrations

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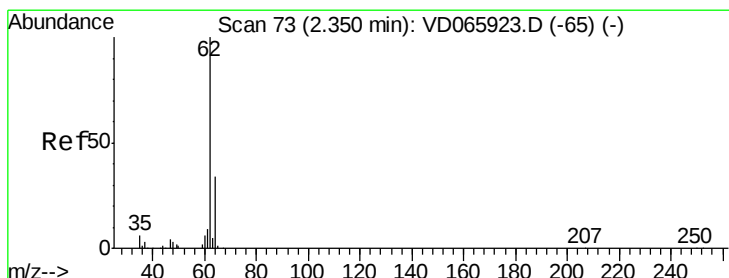
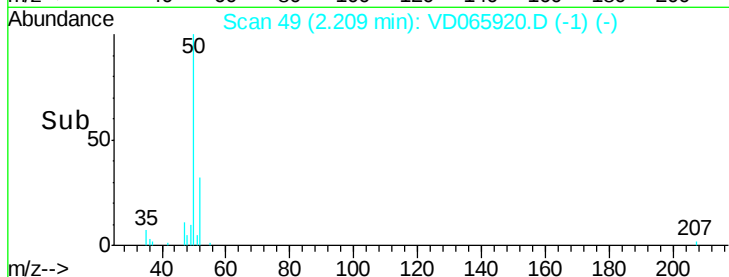
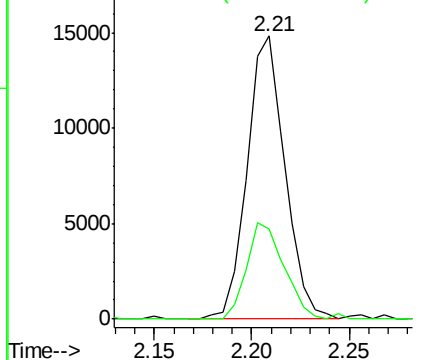
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.410 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065920.D

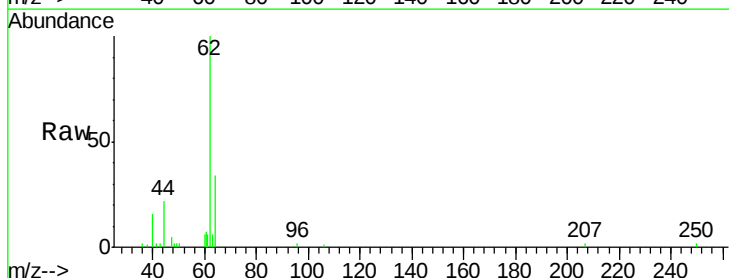
Acq: 07 Jul 2020 13:40

Tgt Ion: 62 Resp: 17824

Ion Ratio Lower Upper

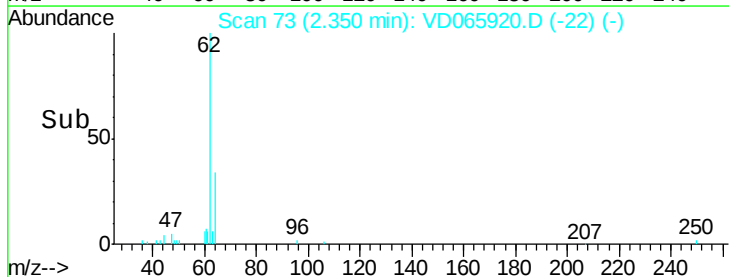
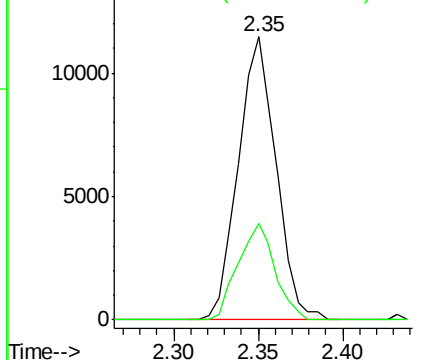
62 100

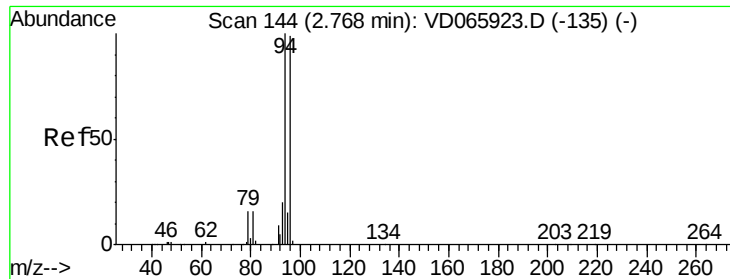
64 34.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.918 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12350

Ion Ratio Lower Upper

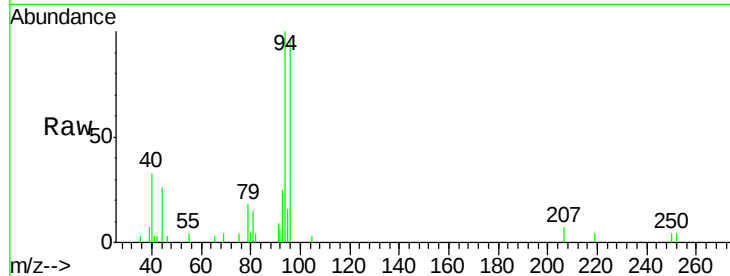
94 100

96 96.3 78.8 118.2

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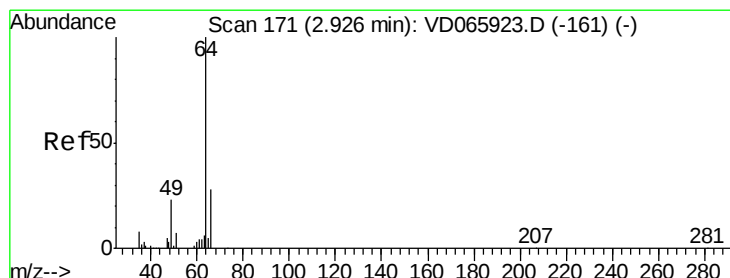
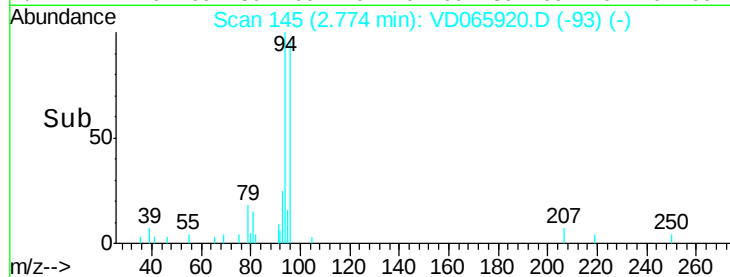
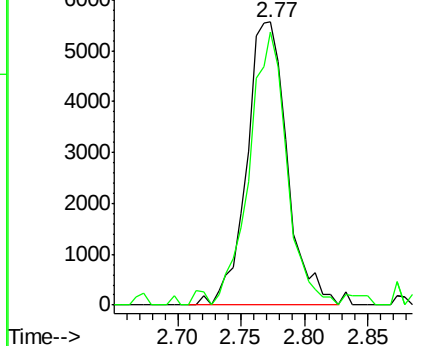
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.621 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065920.D

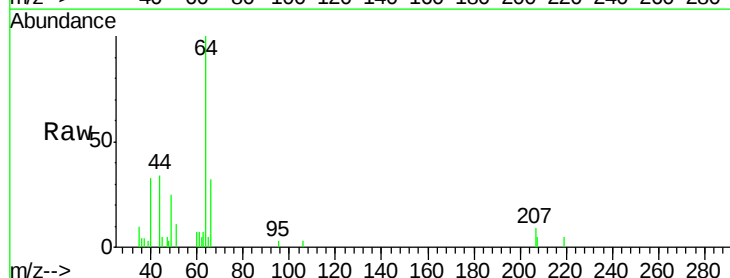
Acq: 07 Jul 2020 13:40

Tgt Ion: 64 Resp: 11071

Ion Ratio Lower Upper

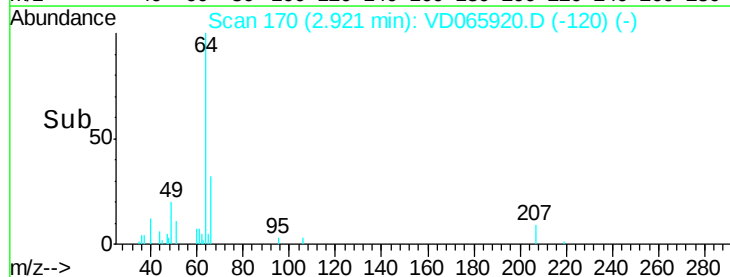
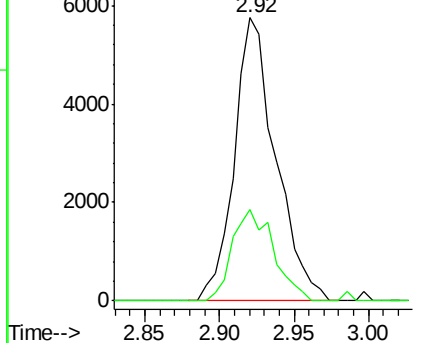
64 100

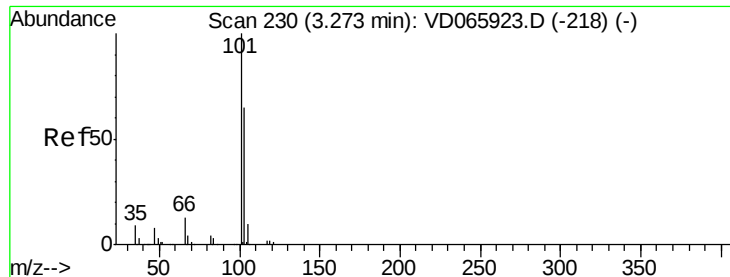
66 32.3 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

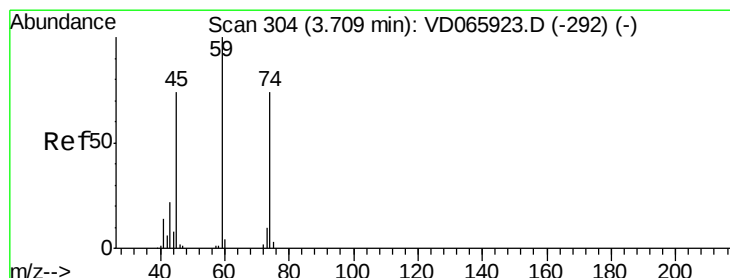
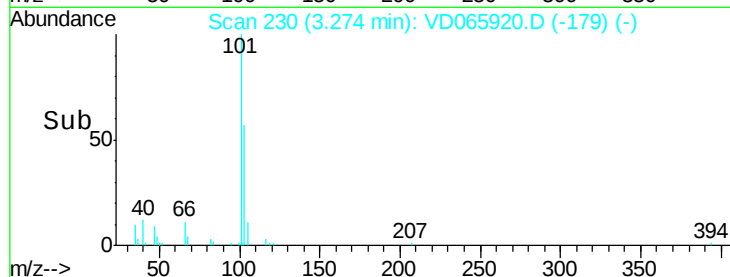
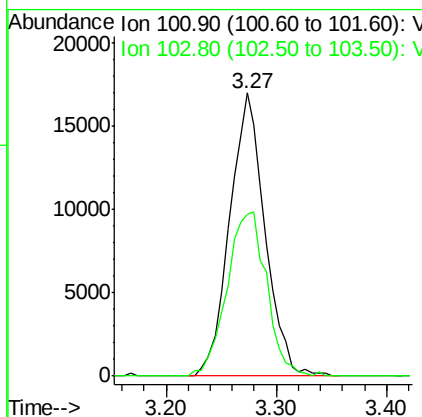
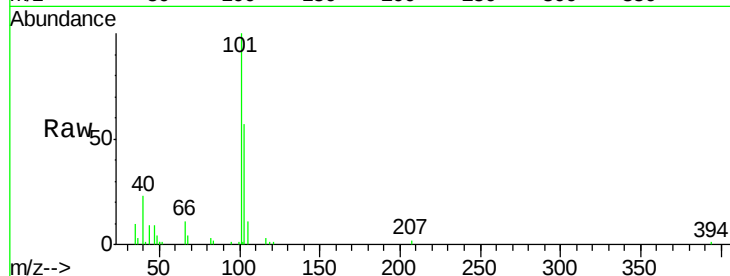
Trichlorofluoromethane
Concen: 5.391 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.3	51.7	77.5

Manual Integrations
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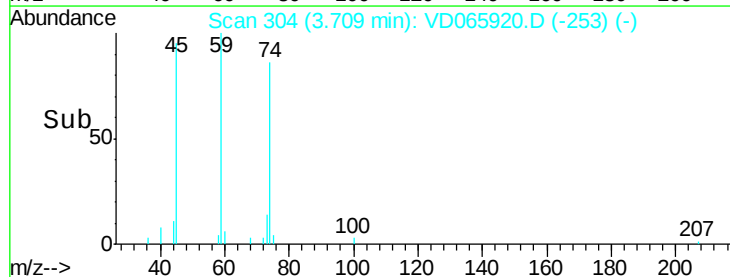
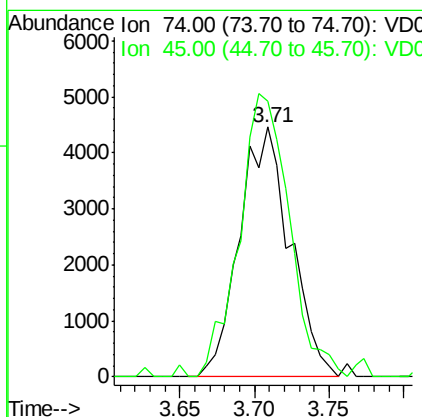
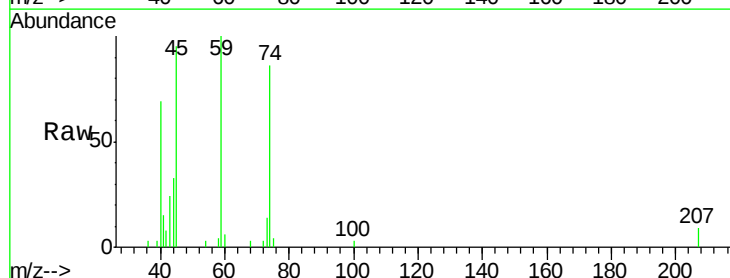
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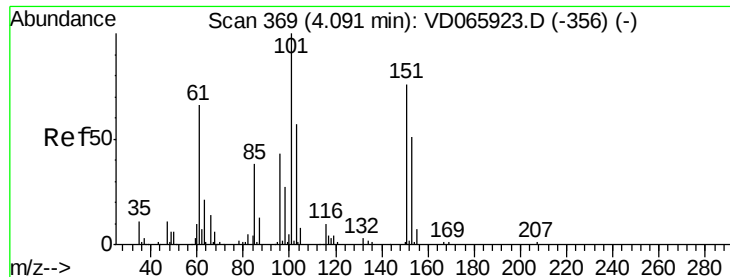


#8

Diethyl Ether
Concen: 5.422 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.1	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.463 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065920.D

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Instrument :

MSVOA_D

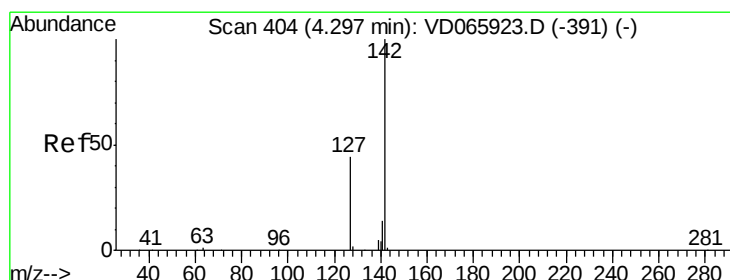
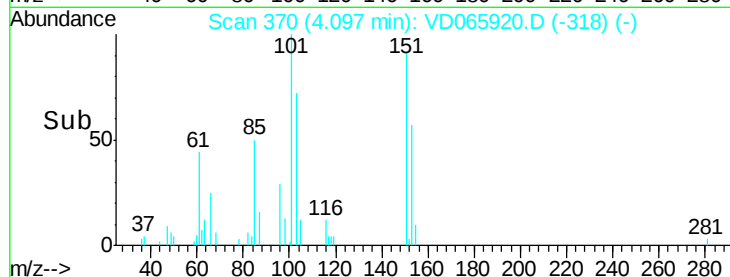
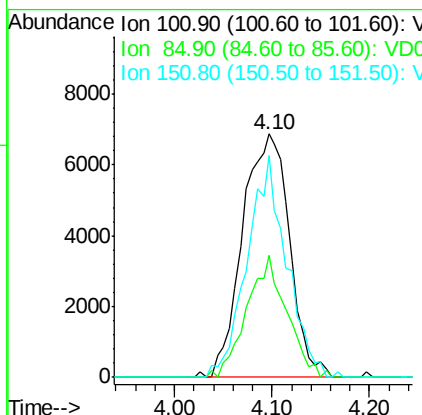
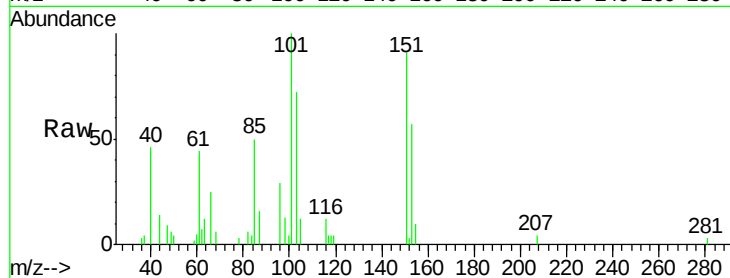
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	23073
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.8	50.8
151	76.6	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 4.001 ug/l

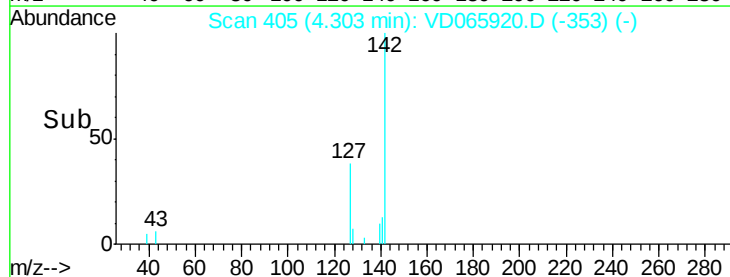
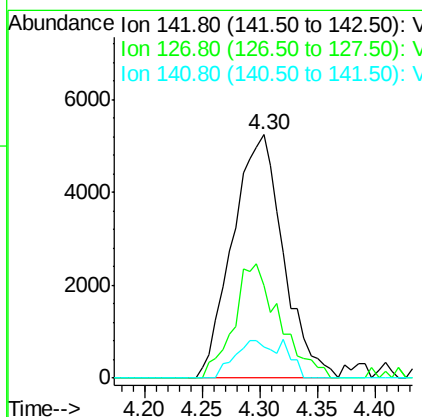
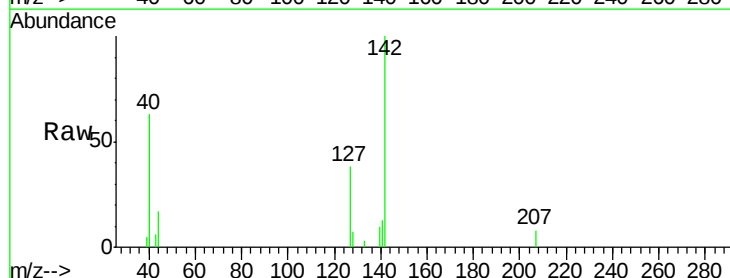
RT: 4.30 min Scan# 405

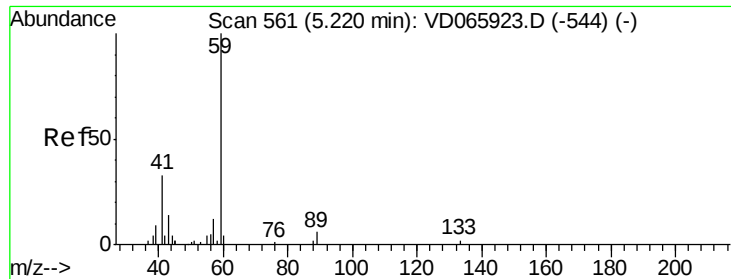
Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion:	142	Resp:	16050
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.6	51.8
141	0.0	11.6	17.4#





#11

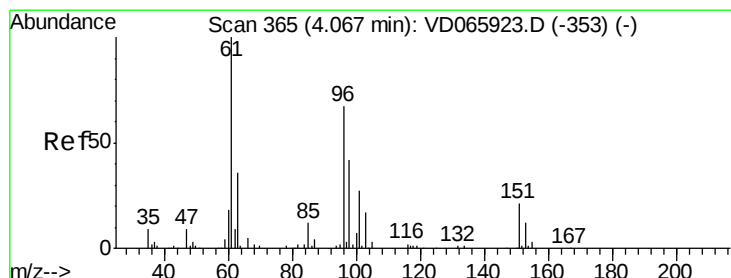
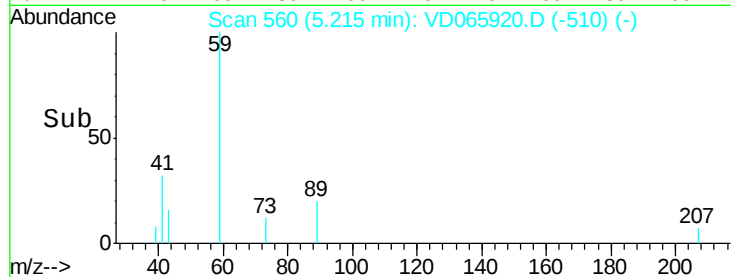
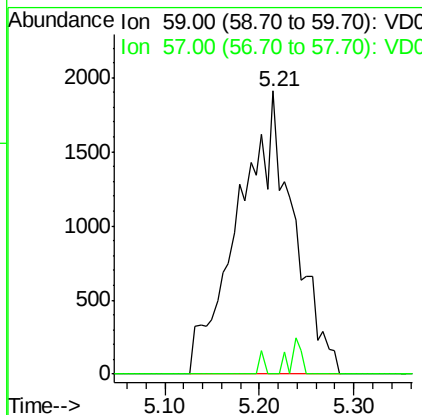
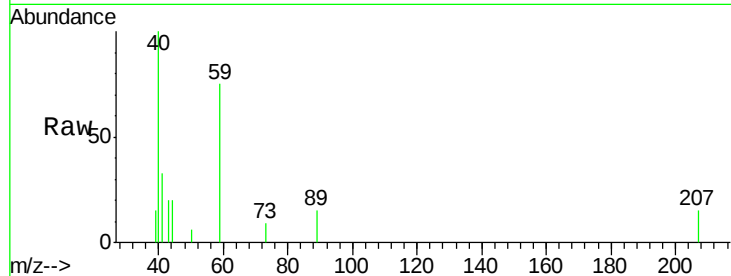
Tert butyl alcohol
 Concen: 30.069 ug/l m
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 7686
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

Manual Integrations
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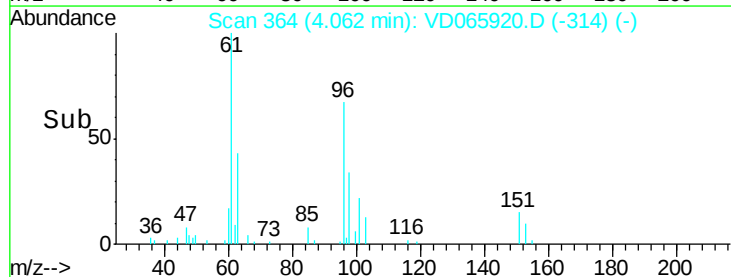
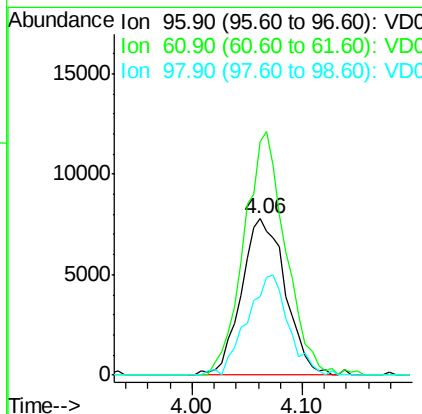
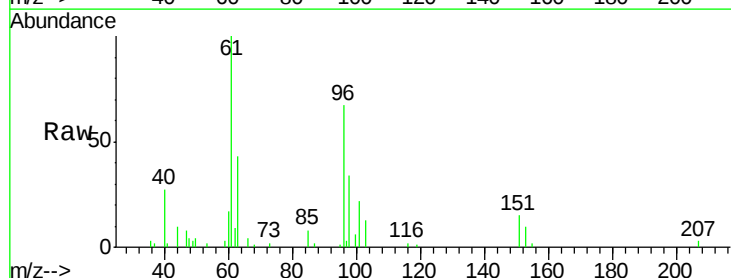
MMDadoda
 7/8/2020 12:05:38 PM

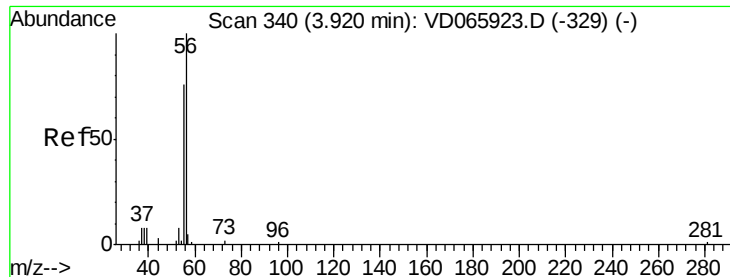


#12

1,1-Dichloroethene
 Concen: 5.508 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 96 Resp: 21732
 Ion Ratio Lower Upper
 96 100
 61 149.4 120.2 180.2
 98 50.1 50.6 76.0#





#13

Acrolein

Concen: 30.556 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6505

Ion Ratio Lower Upper

56 100

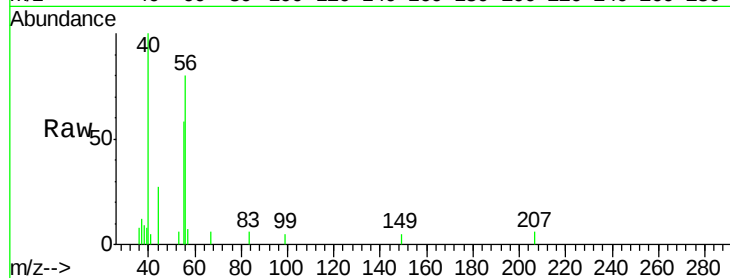
55 73.9 55.0 82.6

Manual Integrations

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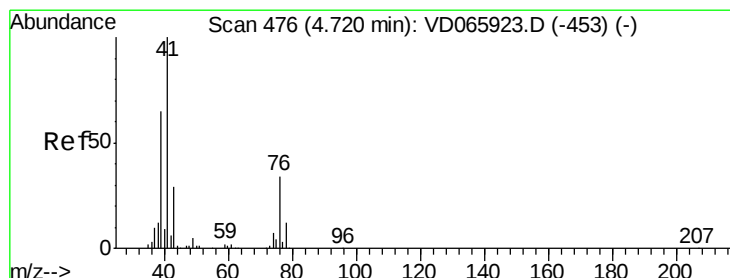
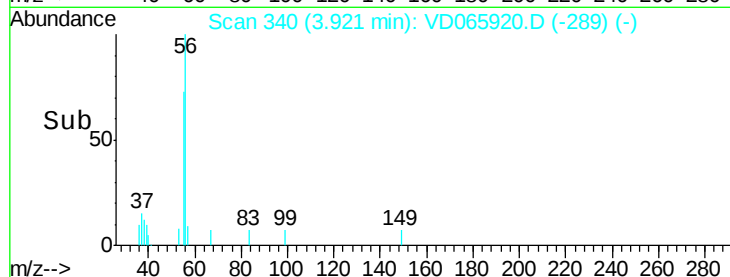
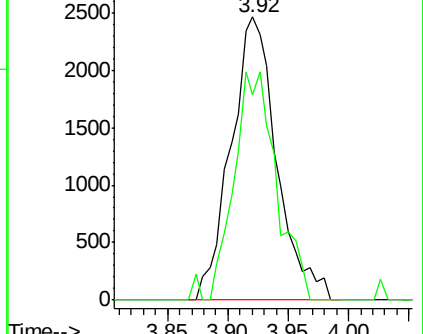
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.043 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

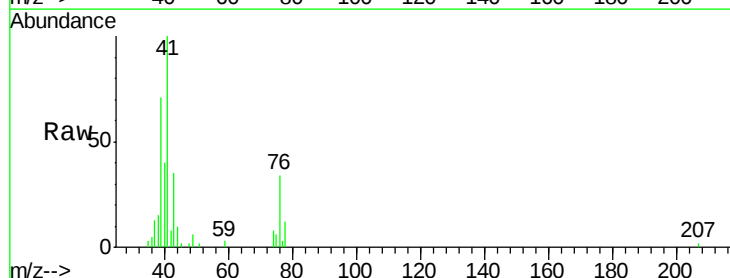
Tgt Ion: 41 Resp: 33720

Ion Ratio Lower Upper

41 100

39 69.9 52.2 78.4

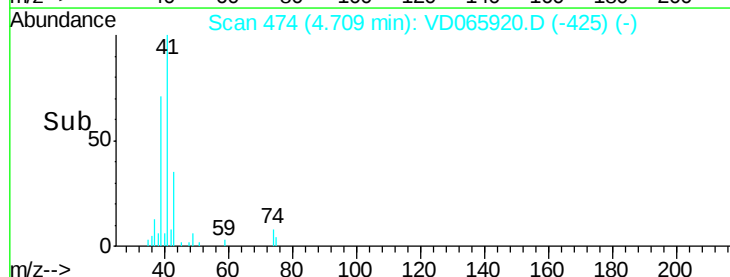
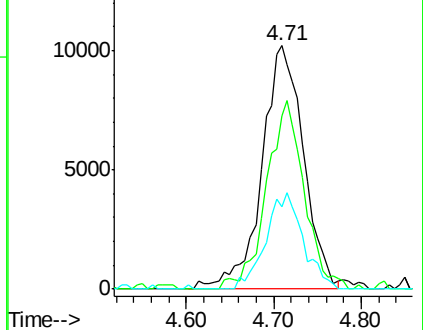
76 35.2 28.1 42.1

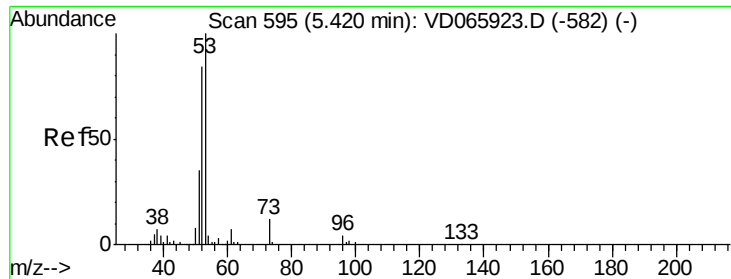


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.839 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

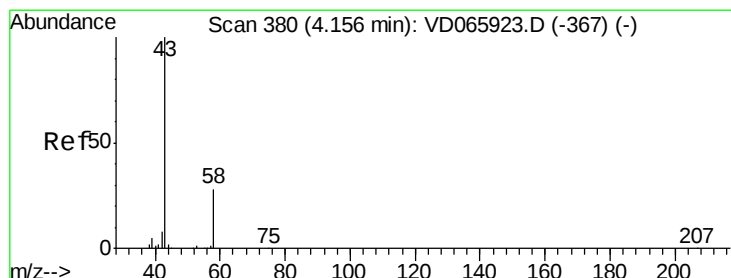
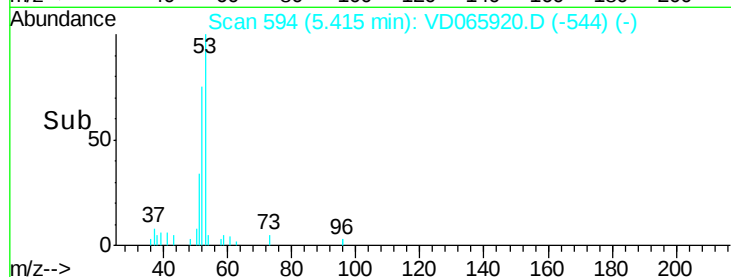
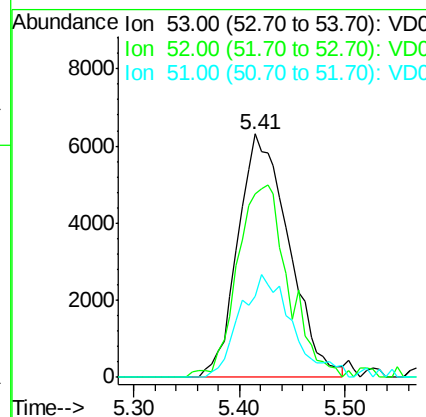
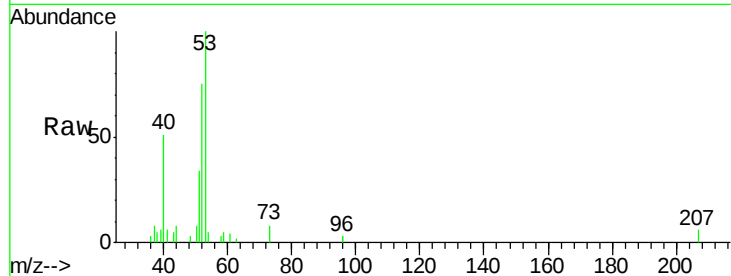
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21067
Ion	Ratio	Lower	Upper
53	100		
52	79.2	66.3	99.5
51	43.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 28.022 ug/l

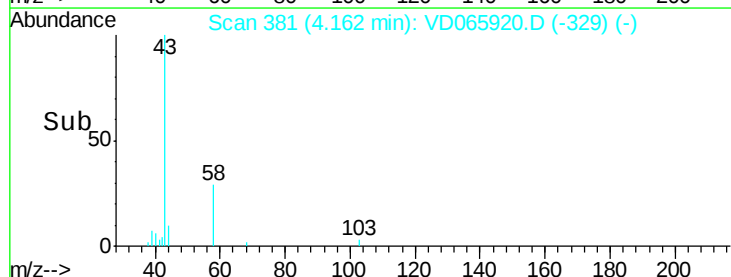
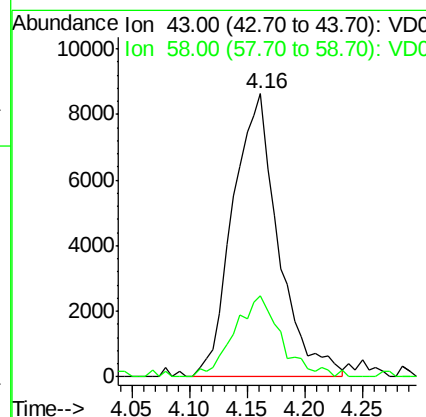
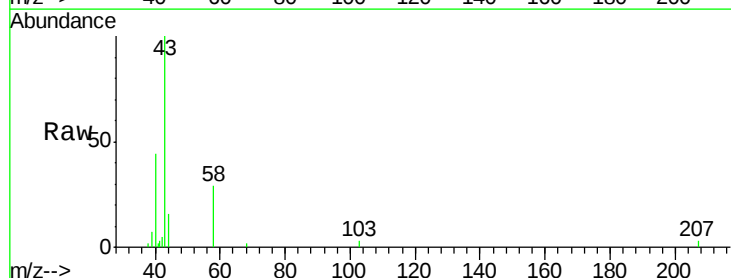
RT: 4.16 min Scan# 381

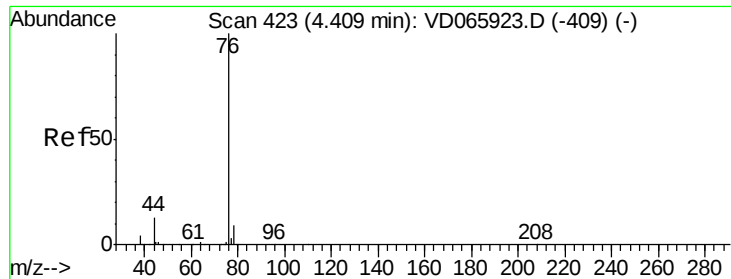
Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion:	43	Resp:	23696
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.7	34.1





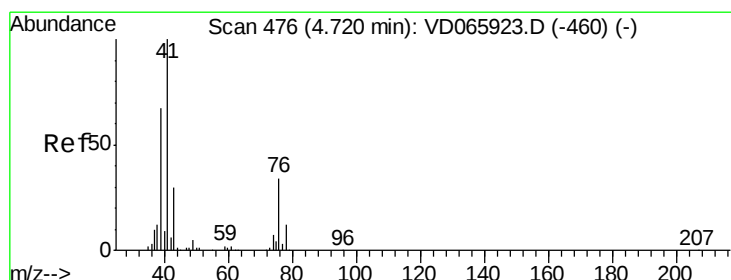
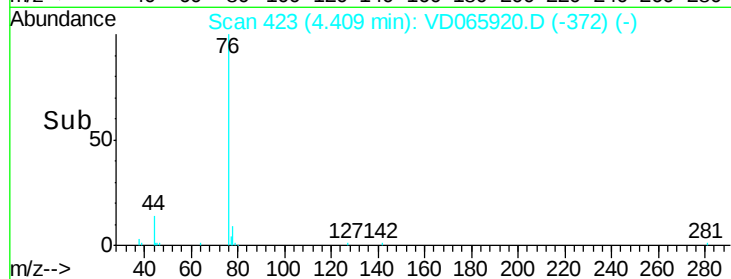
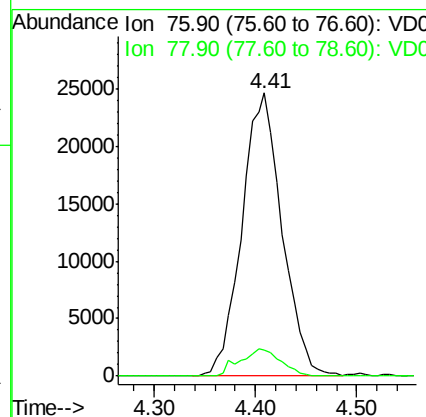
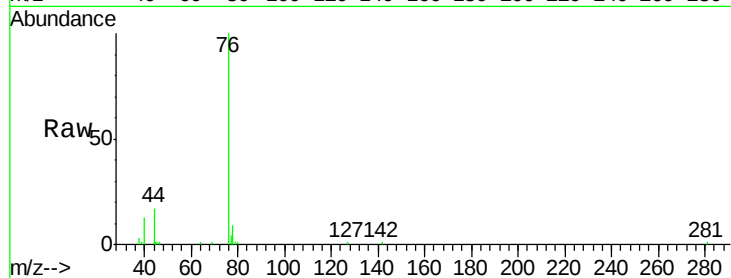
#17
Carbon Disulfide
Concen: 5.374 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

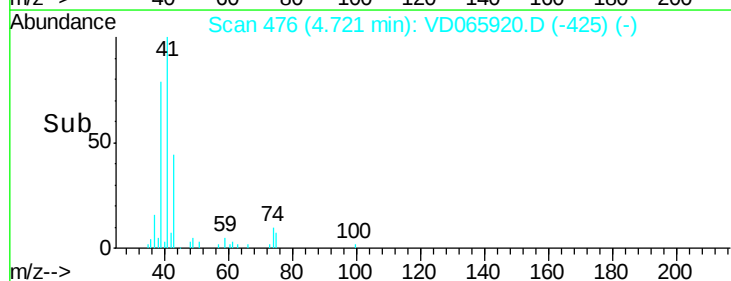
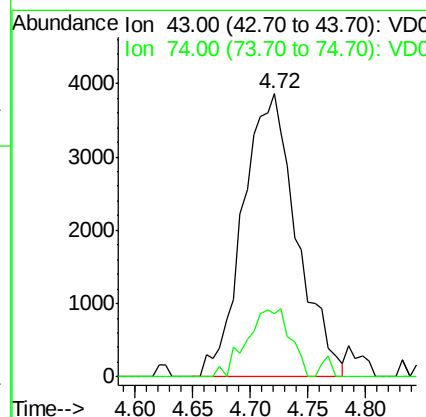
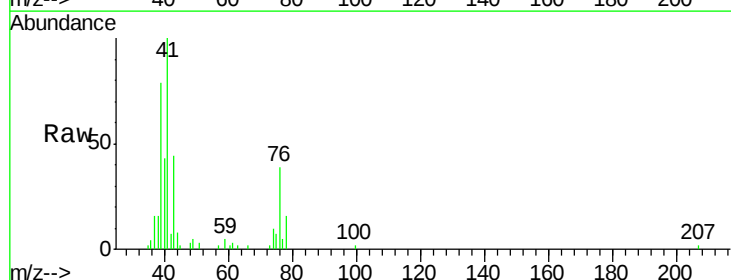
Manual Integrations
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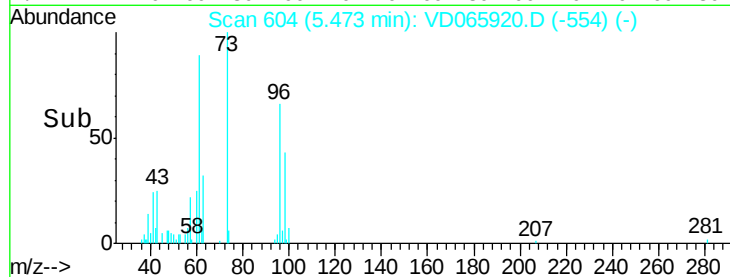
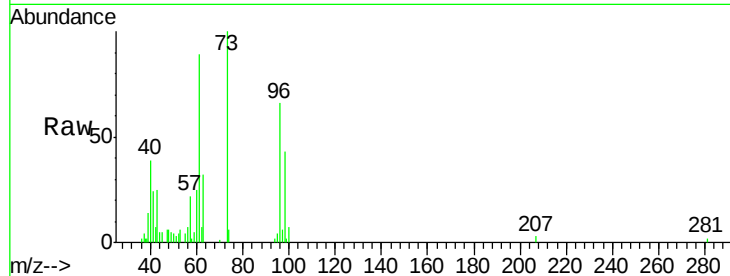
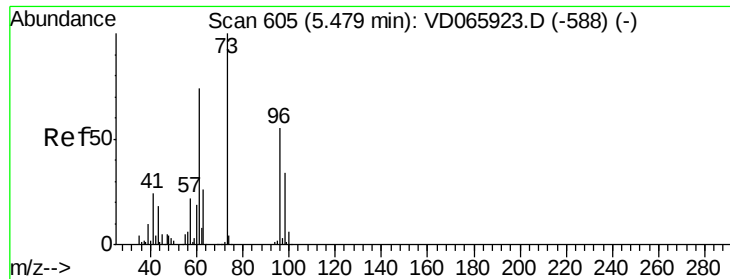
MMDadoda
7/8/2020 12:05:38 PM



#18
Methyl Acetate
Concen: 6.332 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	17.8	26.8





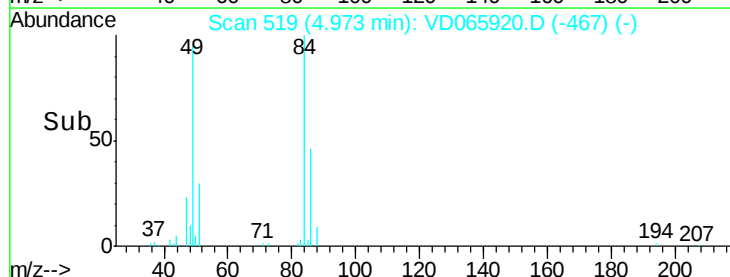
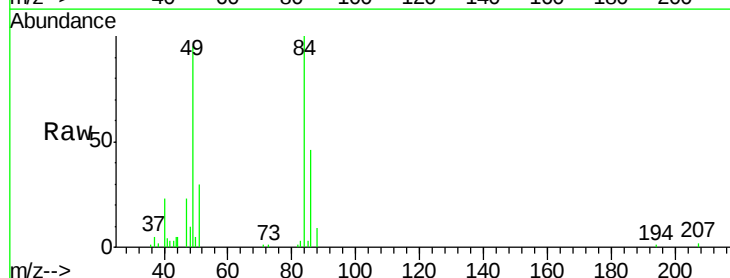
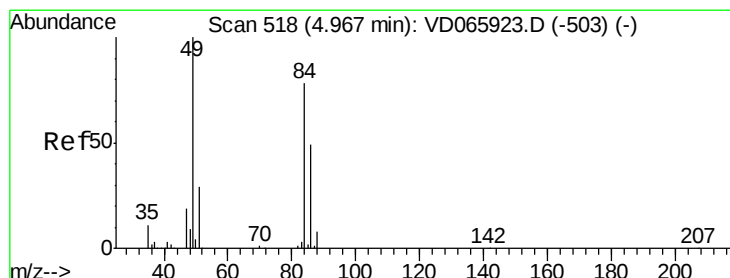
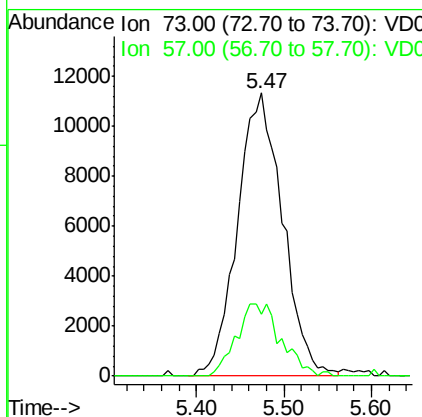
#19
Methvl tert-butvl Ether
Concen: 4.775 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

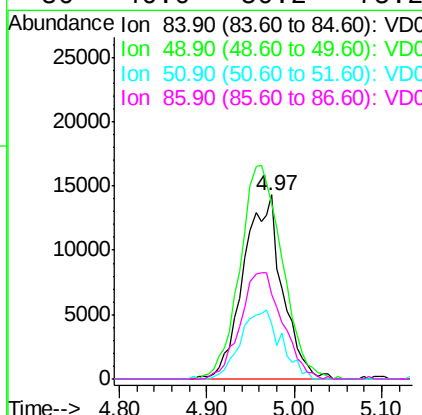
Manual Integrations
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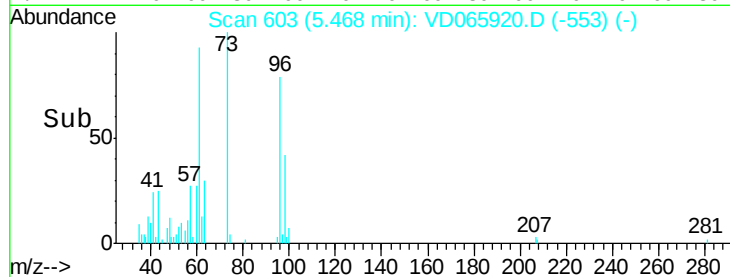
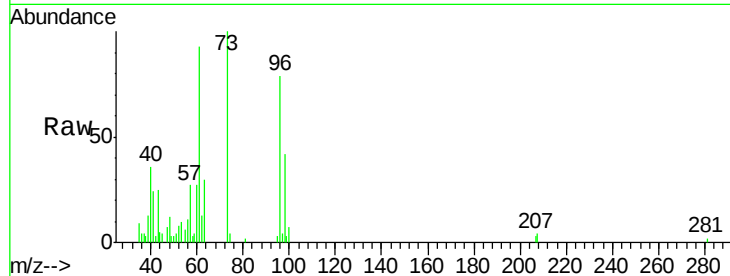
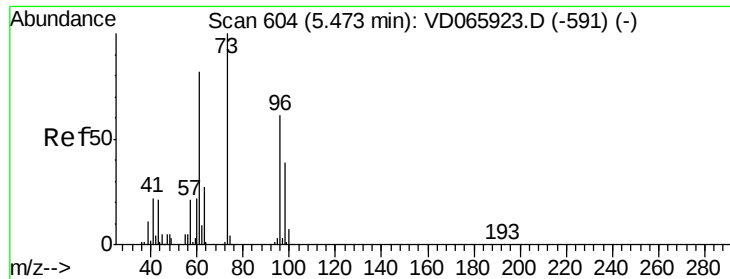
MMDadoda
7/8/2020 12:05:38 PM



#20
Methylene Chloride
Concen: 7.184 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.1	102.2	153.2#
51	29.6	29.8	44.6#
86	46.0	50.2	75.2#





#21

trans-1,2-Dichloroethene

Concen: 5.296 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tot Ion:	96	Resp:	23512
Ion	Ratio	Lower	Upper
96	100		
61	118.0	106.6	160.0
98	52.7	51.0	76.6

Instrument :

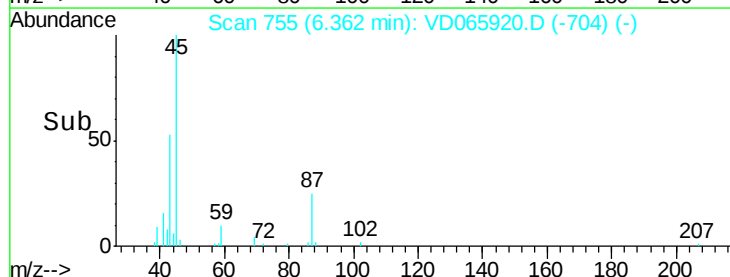
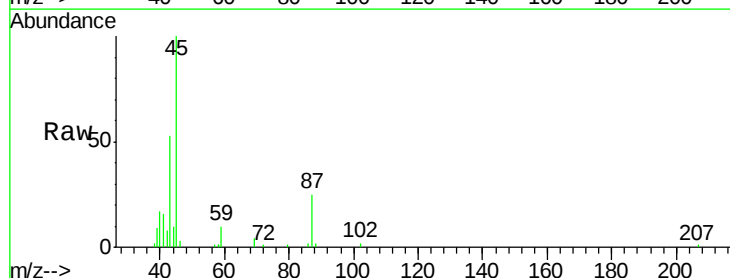
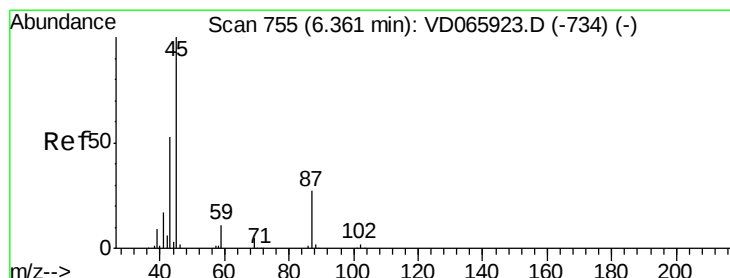
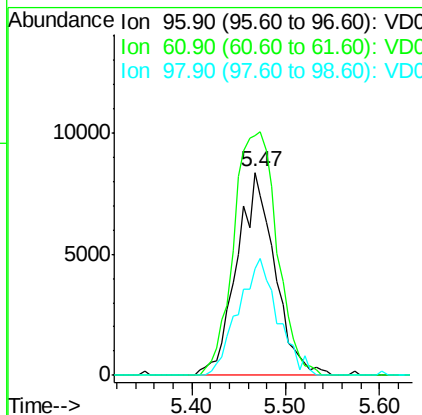
MSVOA_D

ClientSampleId :

VSTDIC005

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.983 ug/l

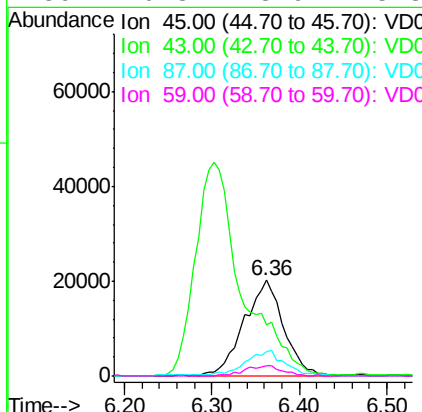
RT: 6.36 min Scan# 755

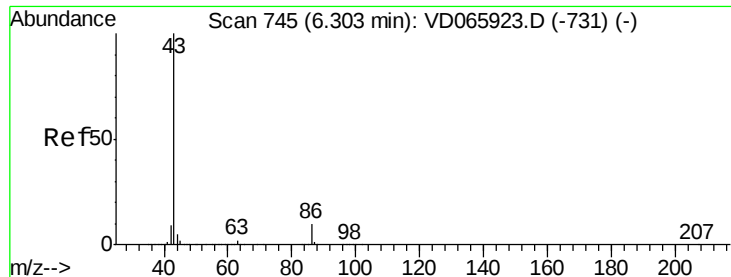
Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion:	45	Resp:	62622
Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.5	63.7
87	25.4	22.2	33.2
59	10.3	8.9	13.3





#23

Vinyl Acetate

Concen: 23.173 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 166216

Ion Ratio Lower Upper

43 100

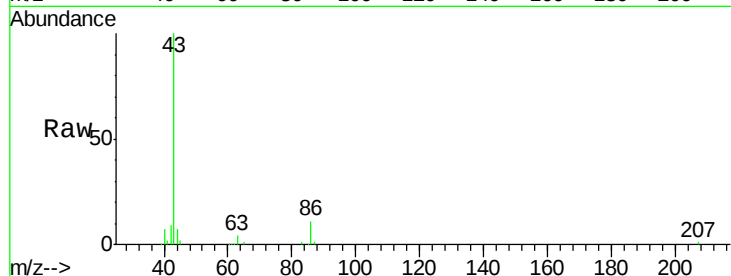
86 11.2 8.1 12.1

Manual Integrations

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MMDadoda

7/8/2020 12:05:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

50000

40000

30000

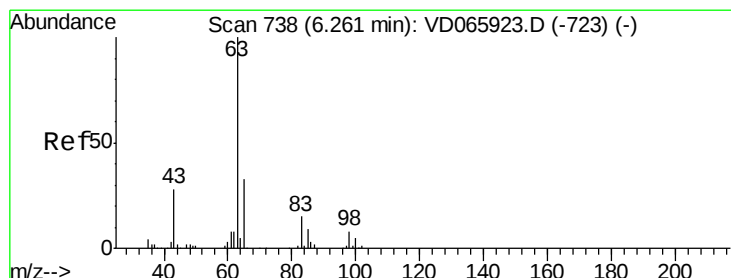
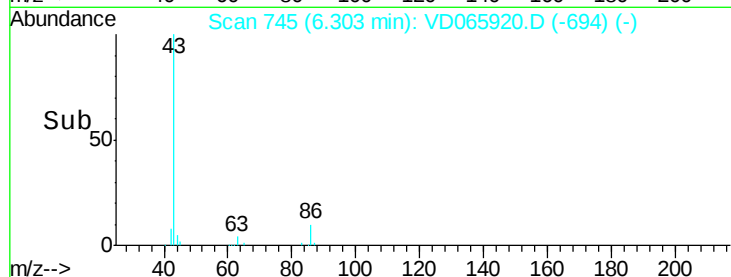
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.306 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

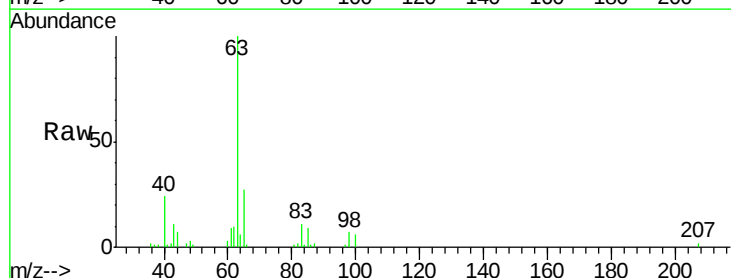
Tgt Ion: 63 Resp: 39756

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 6.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

15000

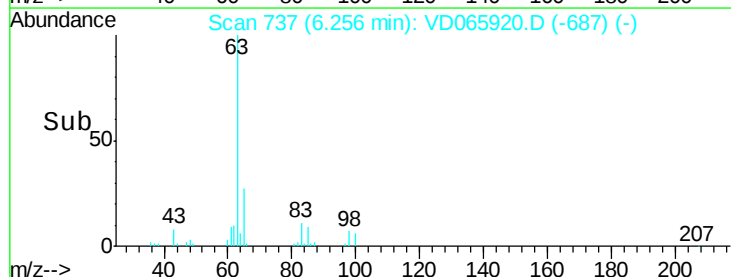
10000

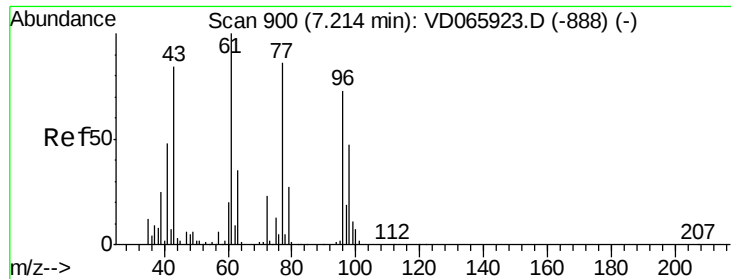
5000

0

6.20 6.30

Time-->





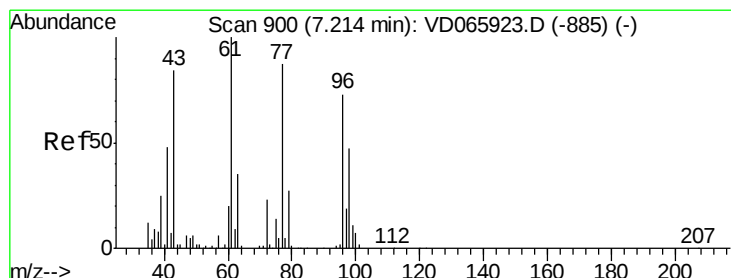
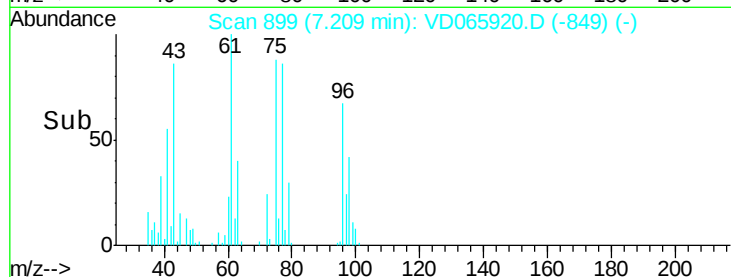
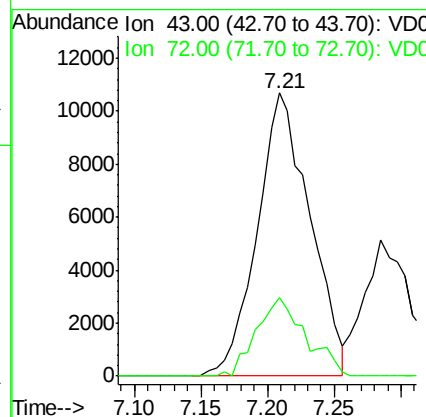
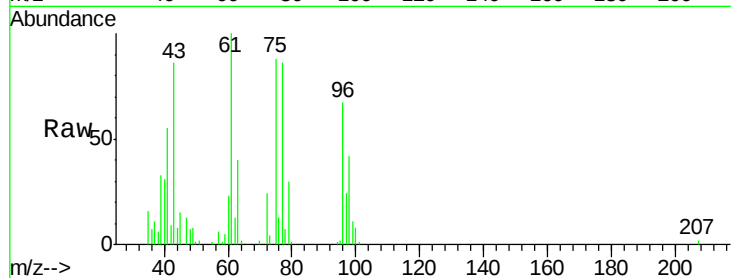
#25
2-Butanone
Concen: 26.167 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 29239
Ion Ratio Lower Upper
43 100
72 28.0 22.1 33.1

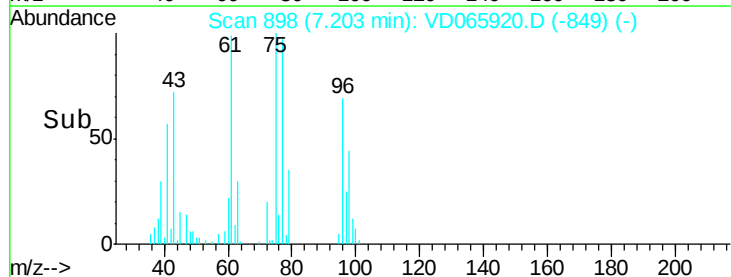
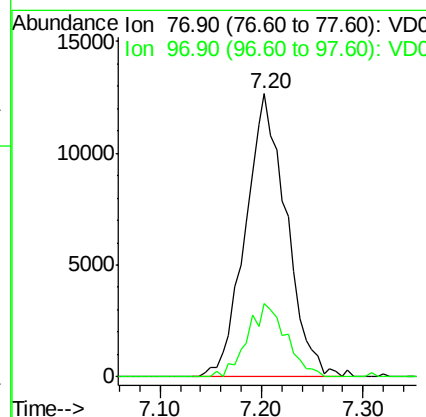
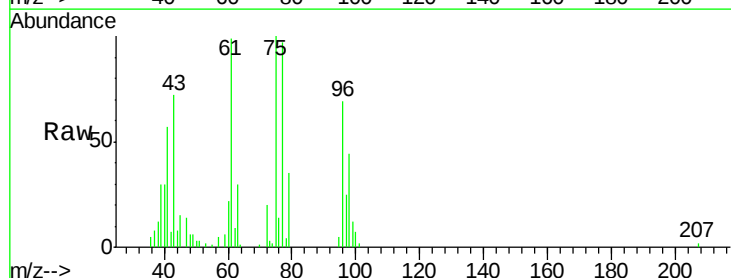
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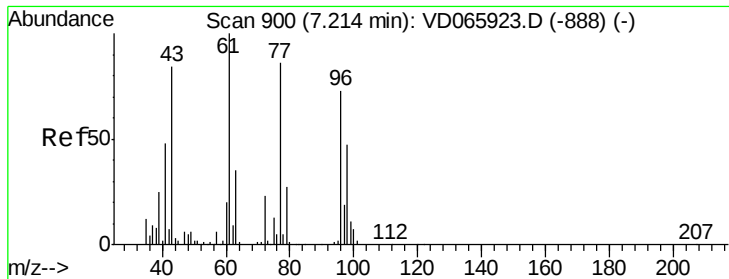
MMDadoda
7/8/2020 12:05:38 PM



#26
2,2-Dichloropropane
Concen: 5.422 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 77 Resp: 35544
Ion Ratio Lower Upper
77 100
97 24.5 11.6 34.8





#27

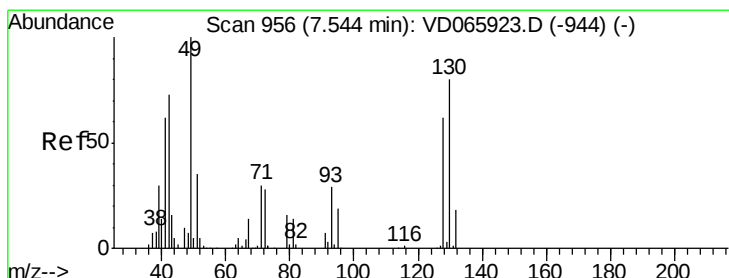
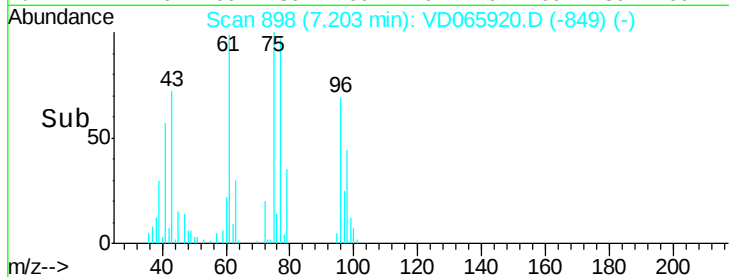
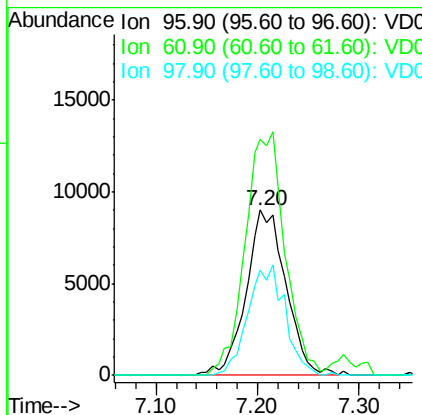
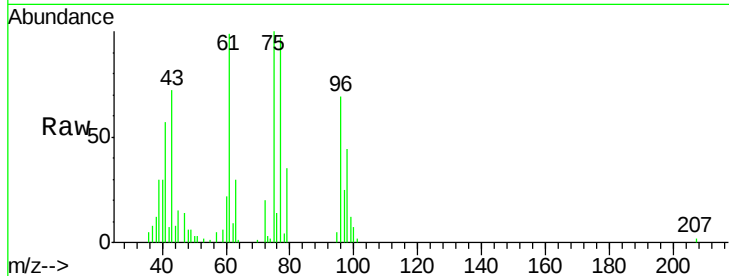
cis-1,2-Dichloroethene
Concen: 5.172 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	286.6
98	62.1	0.0	128.2

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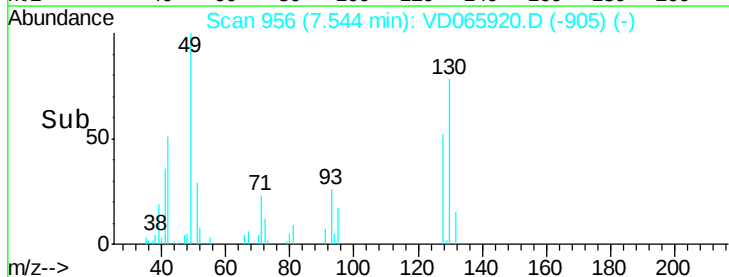
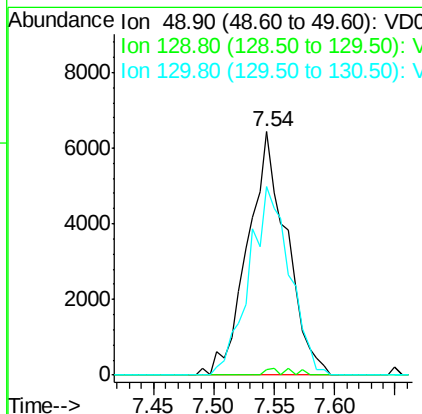
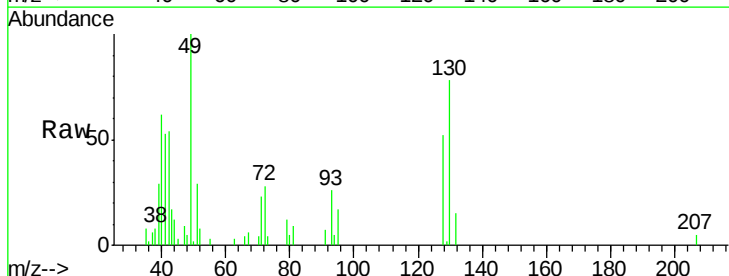
MMDadoda
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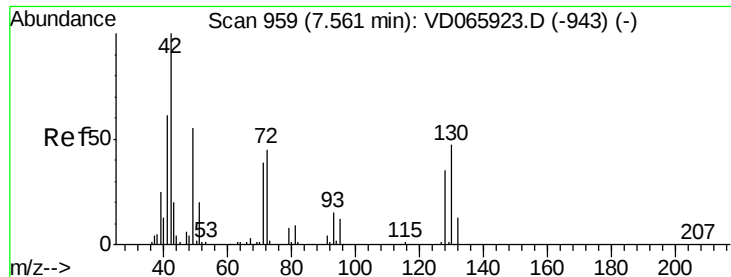


#28

Bromochloromethane
Concen: 5.080 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.8
130	80.9	65.8	98.8





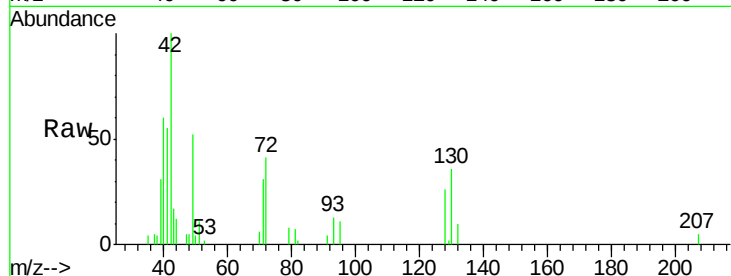
#29
Tetrahydrofuran
Concen: 26.540 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

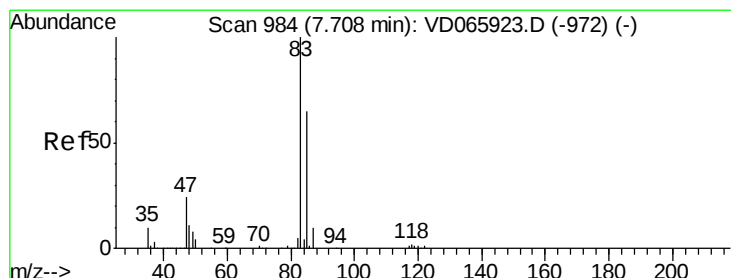
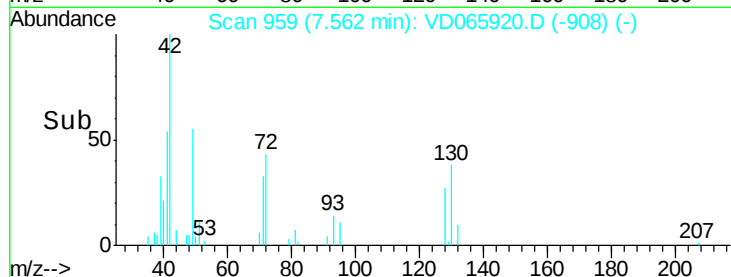
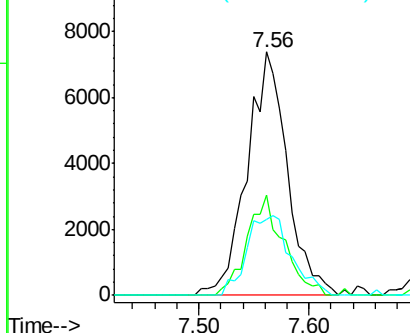
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	32.8	49.2
71	36.1	31.0	46.4

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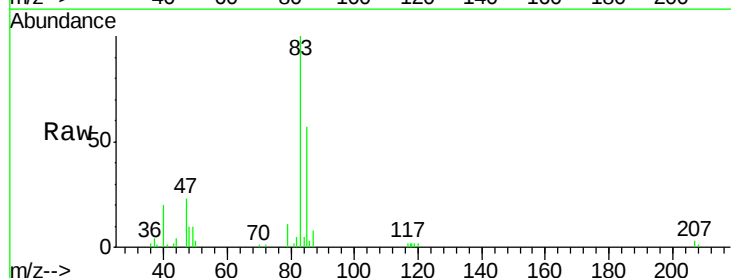


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

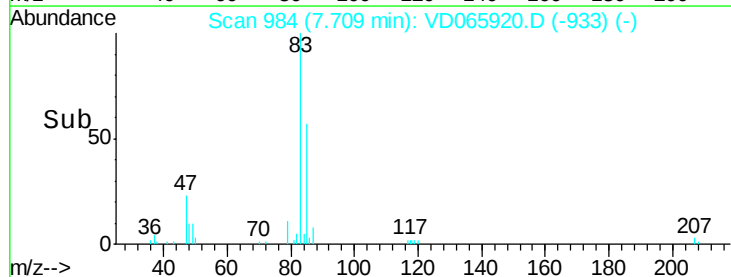
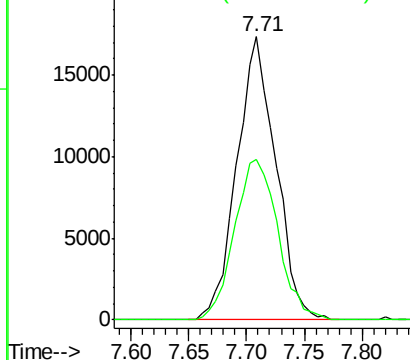


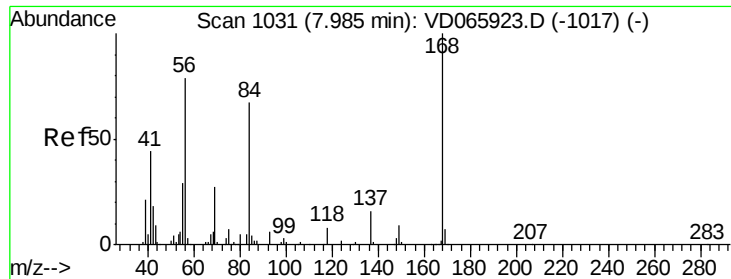
#30
Chloroform
Concen: 5.352 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





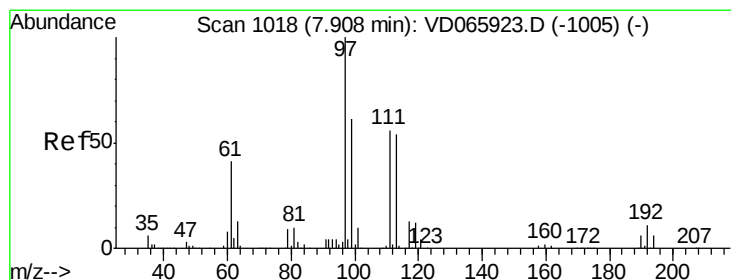
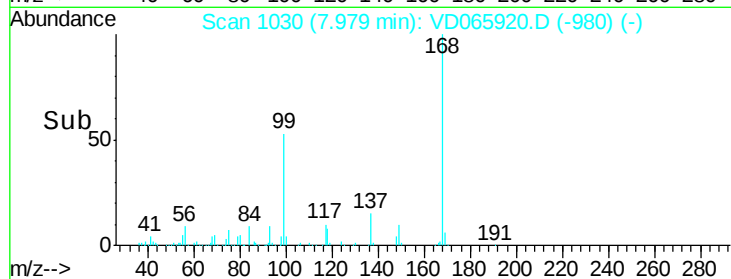
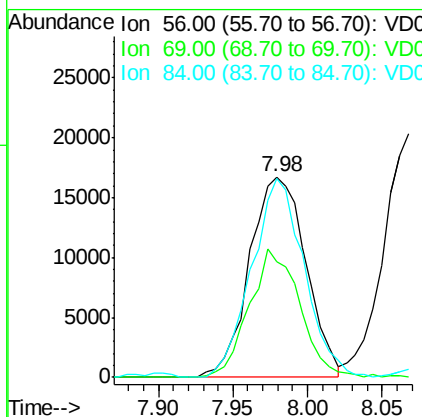
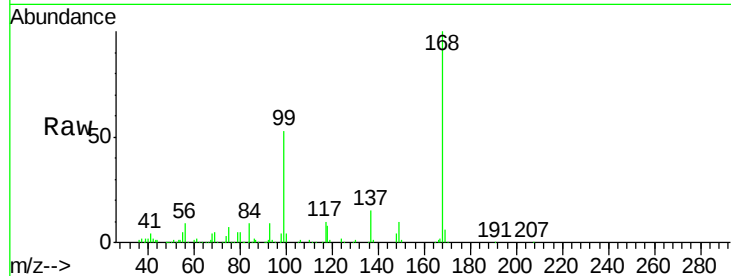
#31
Cyclohexane
Concen: 5.933 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.6	27.4	41.0#
84	99.0	68.6	102.8

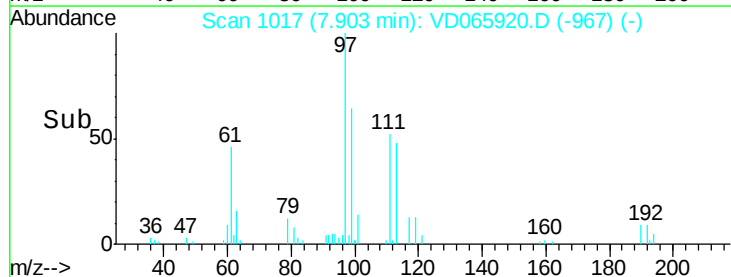
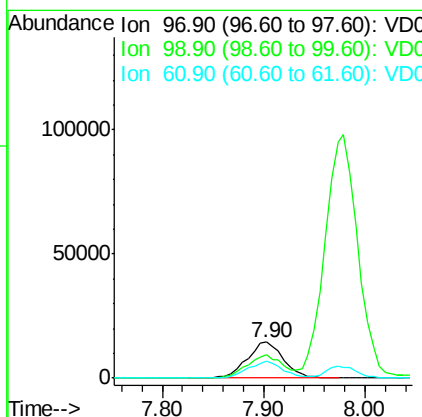
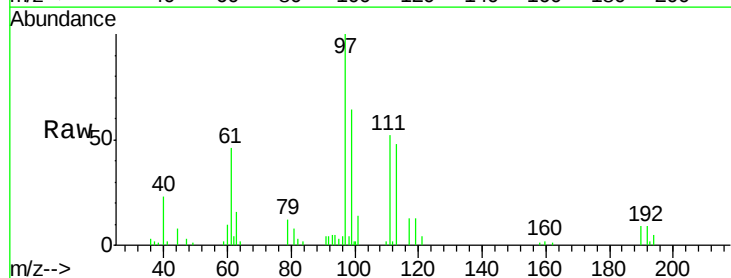
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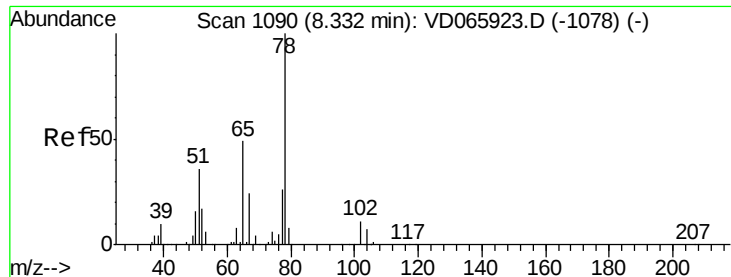
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#32
1,1,1-Trichloroethane
Concen: 5.229 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	45.5	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 5.619 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 20276

Ion Ratio Lower Upper

65 100

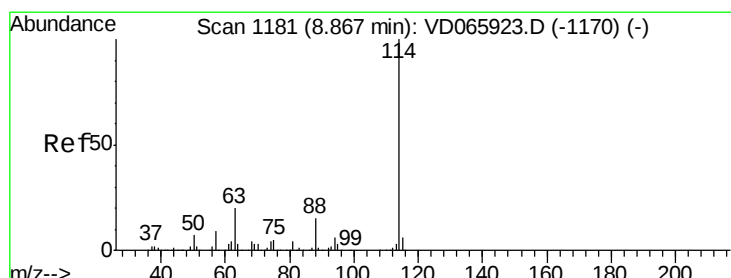
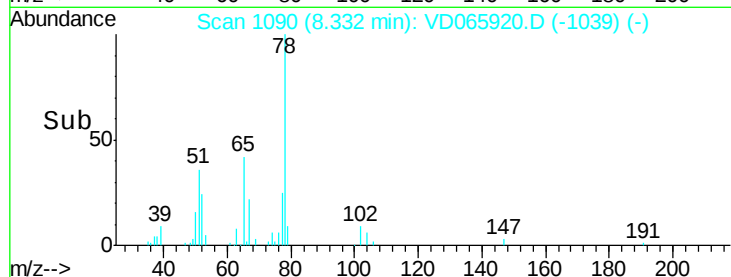
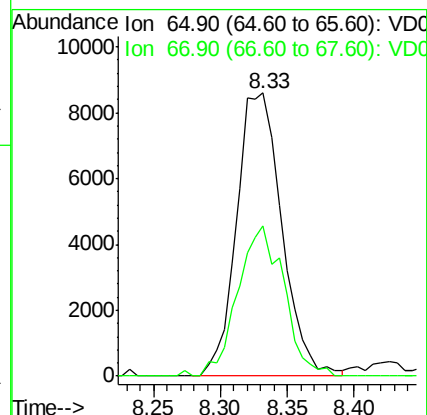
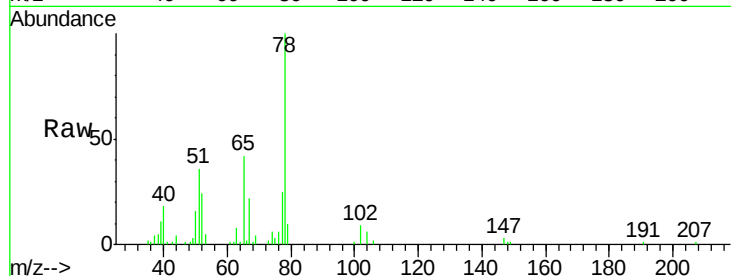
67 54.3 0.0 105.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

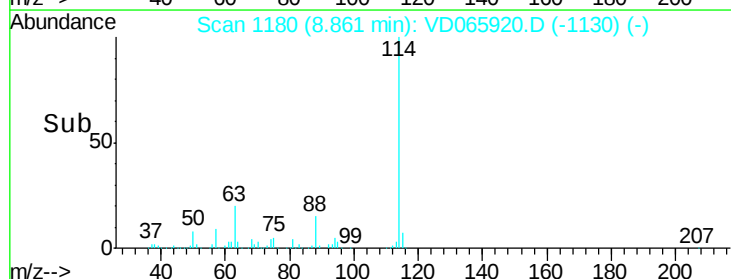
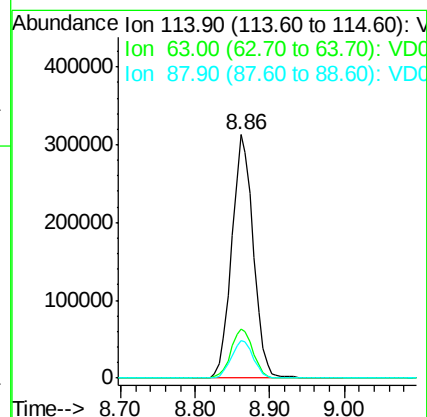
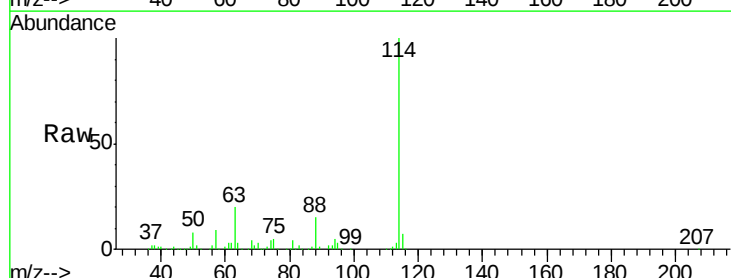
Tgt Ion: 114 Resp: 630856

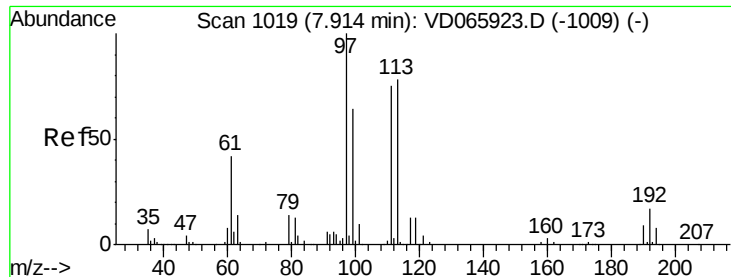
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

88 15.5 0.0 30.0





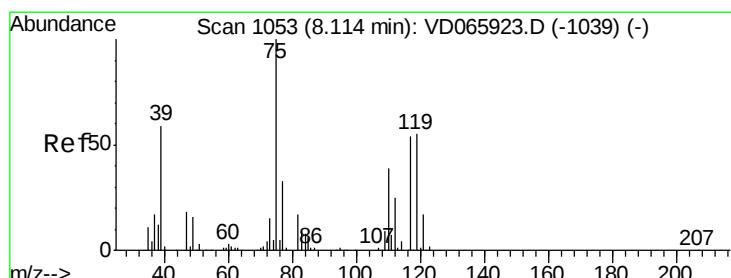
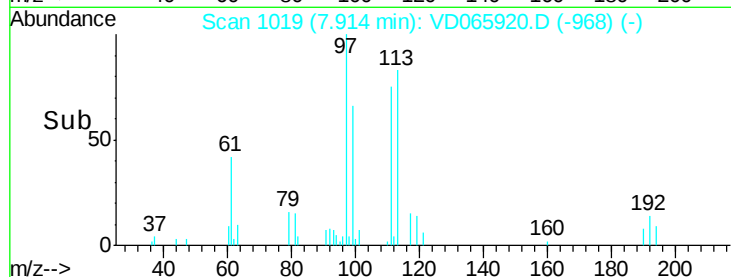
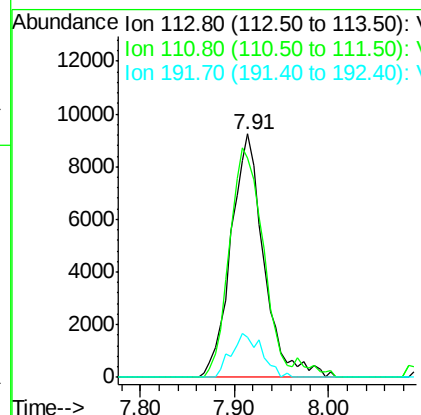
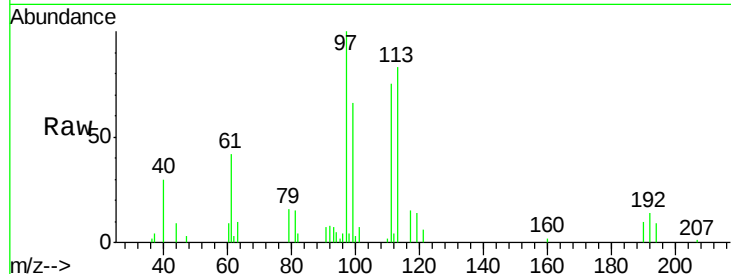
#35
 Dibromofluoromethane
 Concen: 5.767 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.5	80.9	121.3
192	16.8	17.1	25.7

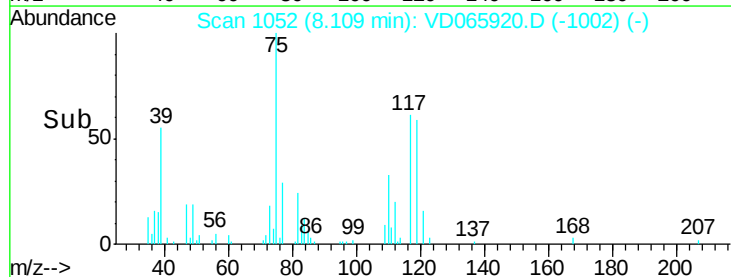
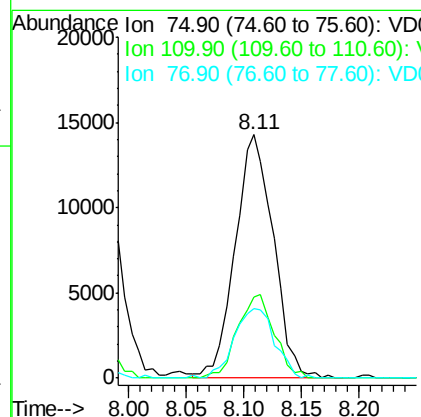
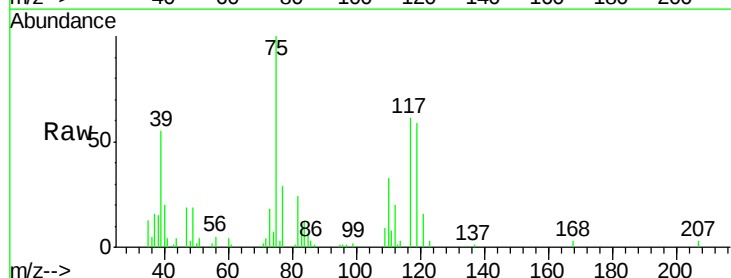
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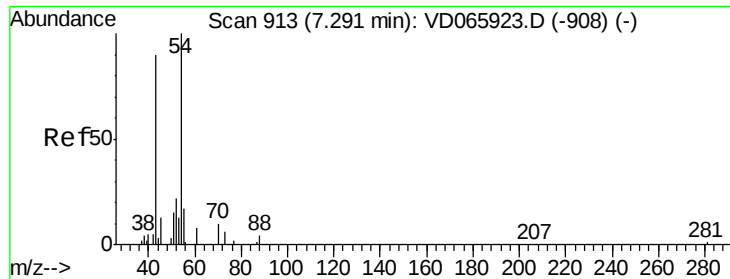
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#36
 1,1-Dichloropropene
 Concen: 5.274 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	18.5	55.5
77	30.6	25.6	38.4





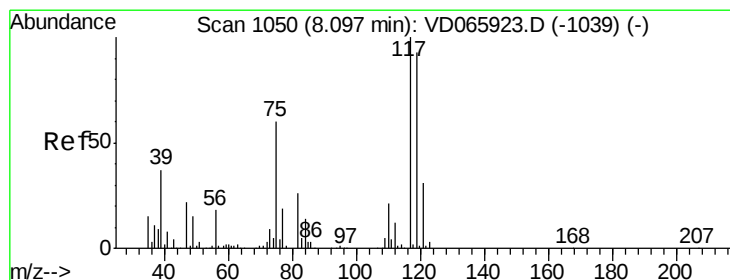
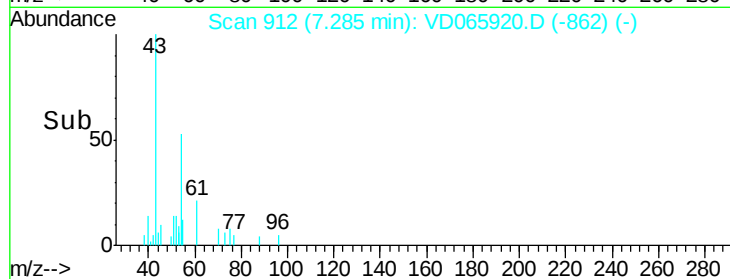
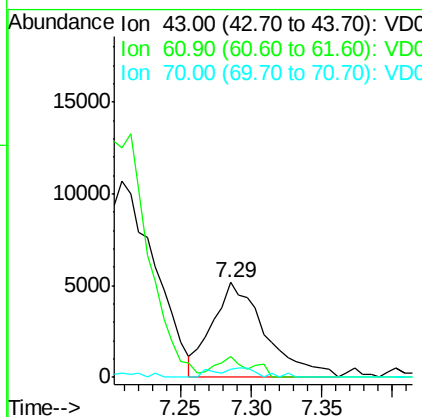
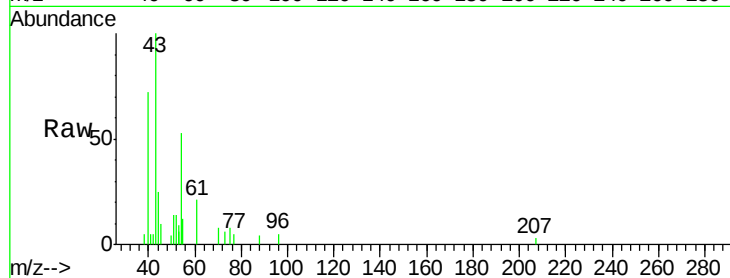
#37
Ethyl Acetate
Concen: 5.191 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.4	14.0
70	6.9	8.3	12.5

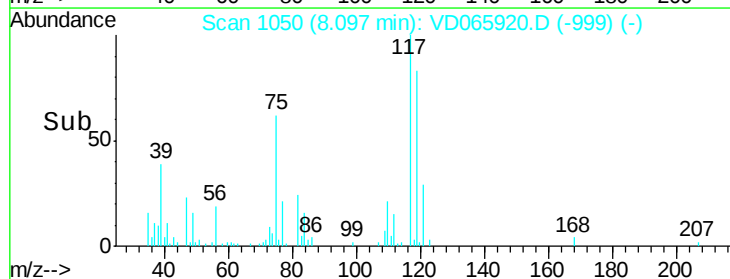
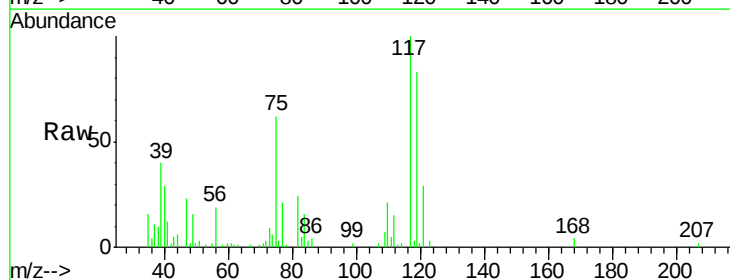
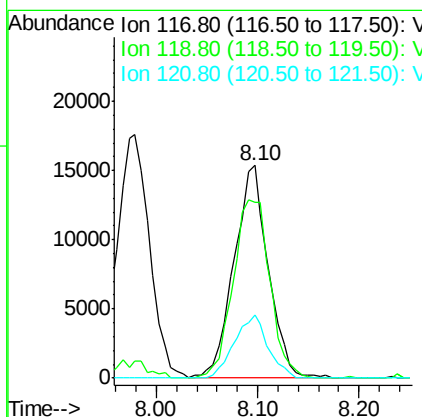
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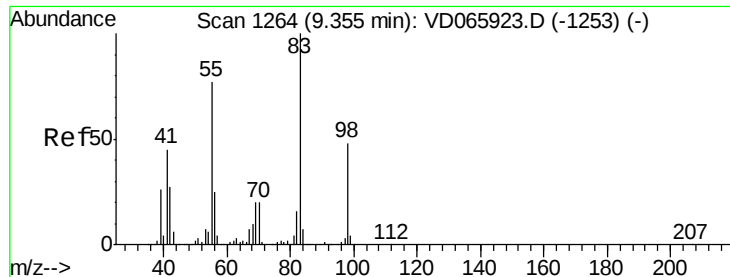
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.407 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.6	74.7	112.1
121	29.4	24.9	37.3





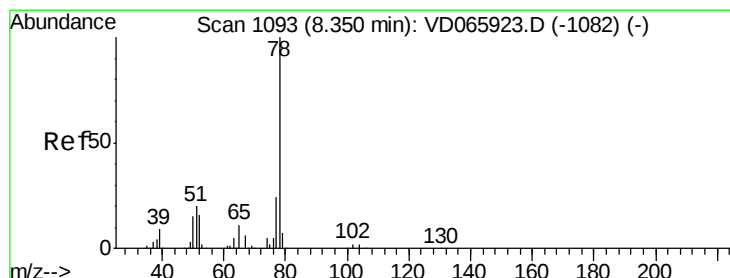
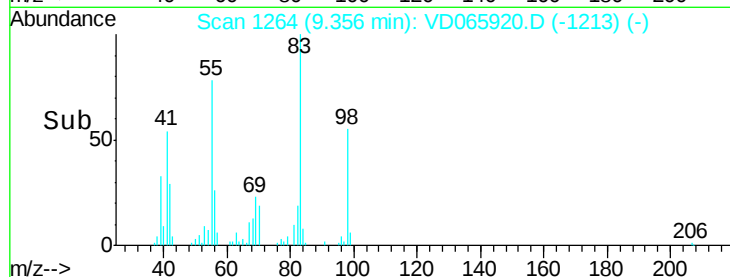
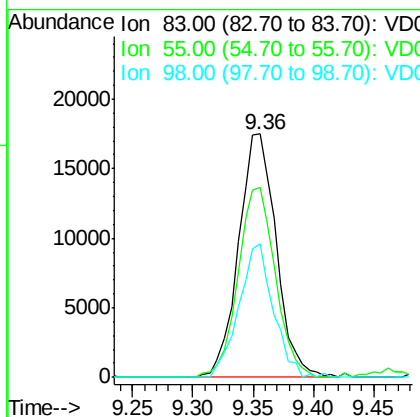
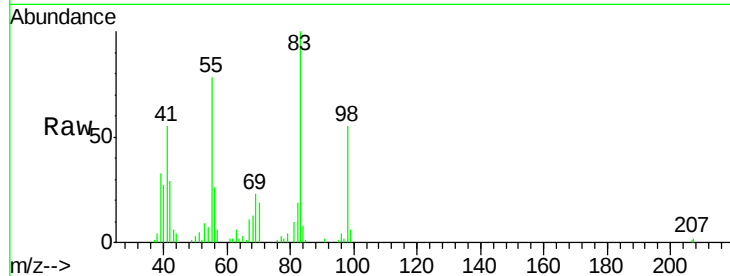
#39
Methvlcvclohexane
Concen: 4.974 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.7	92.5
98	54.8	38.6	58.0

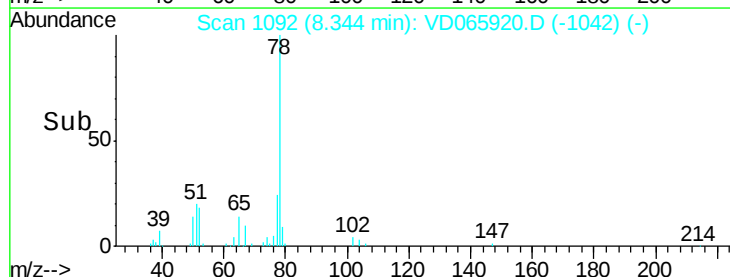
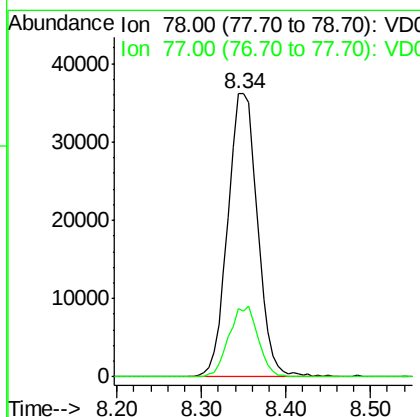
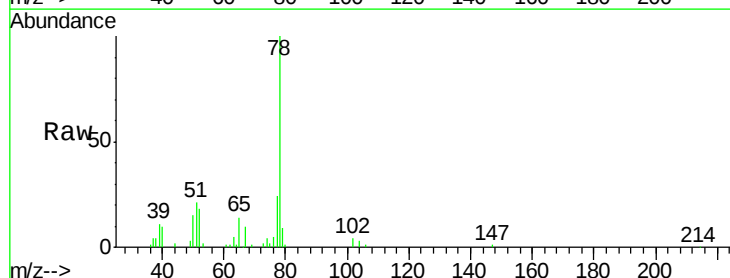
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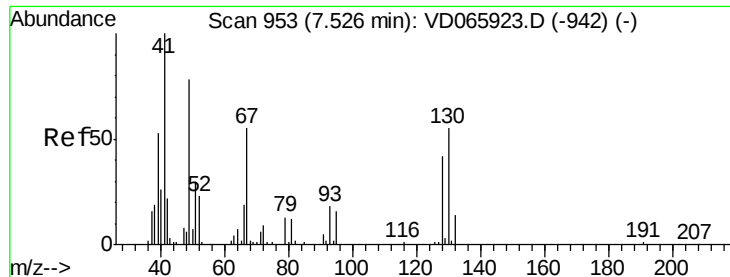
MMDadoda
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#40
Benzene
Concen: 5.097 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





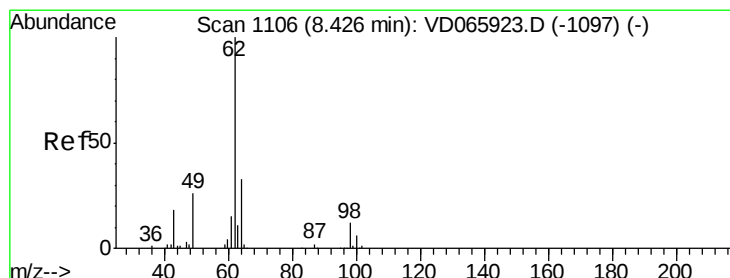
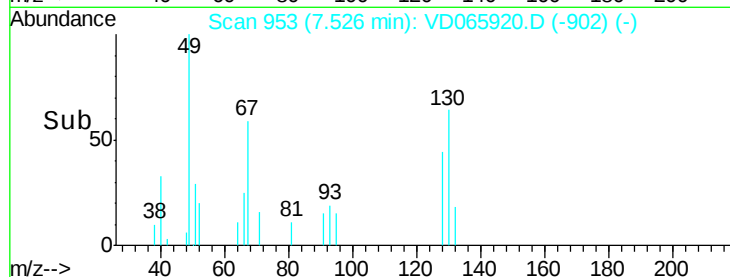
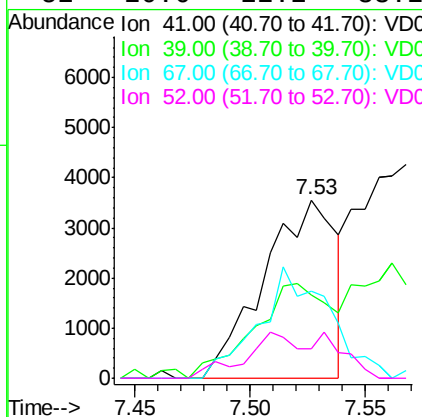
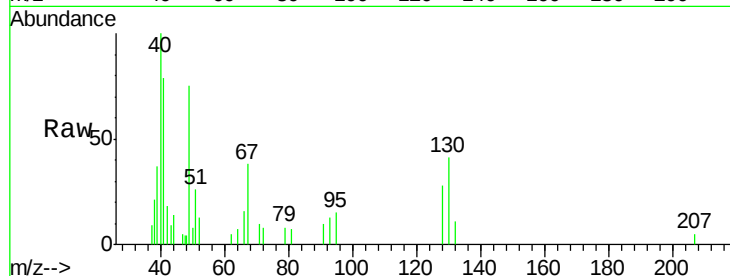
#41
Methacrylonitrile
Concen: 5.001 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	7760
Ion	Ratio	Lower	Upper
41	100		
39	58.6	42.4	63.6
67	61.0	53.6	80.4
52	20.6	22.2	33.2#

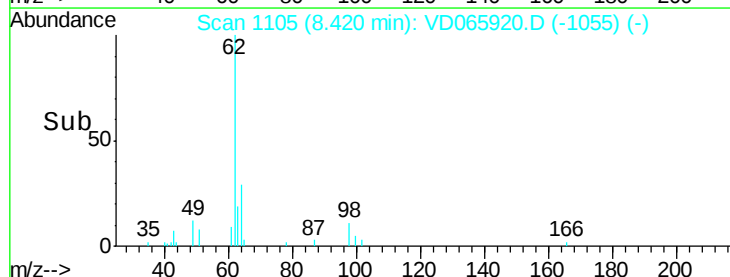
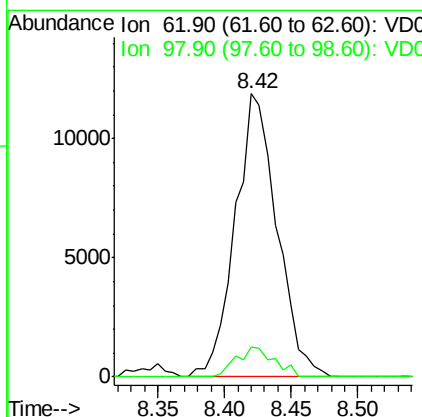
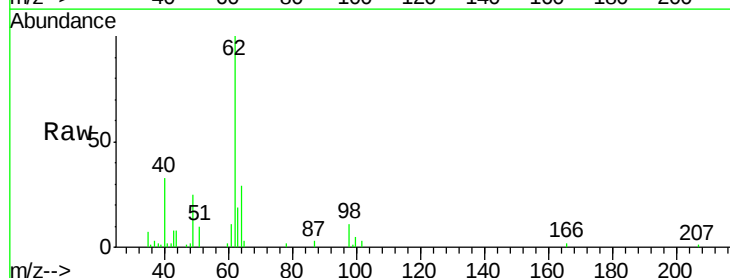
Manual Integrations
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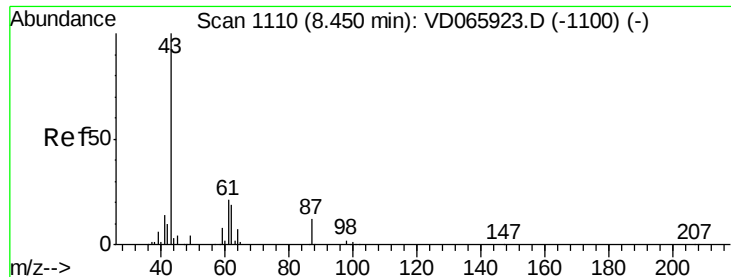
MMDadoda
7/8/2020 12:05:38 PM



#42
1,2-Dichloroethane
Concen: 5.298 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:	62	Resp:	25834
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





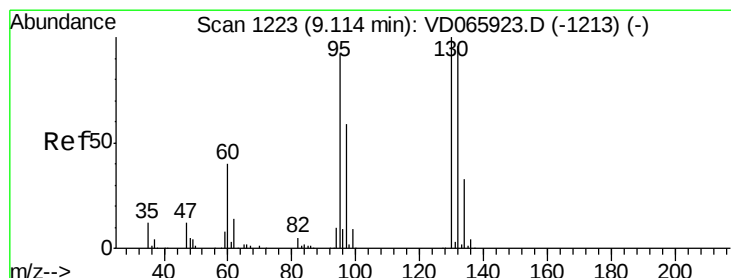
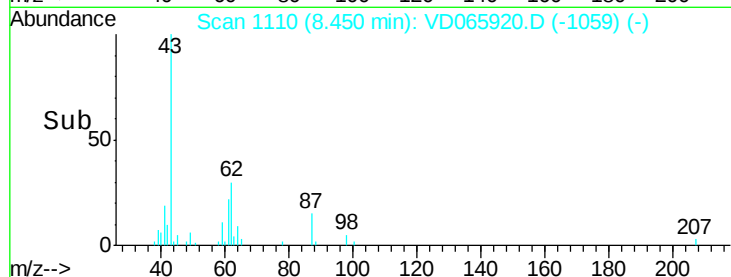
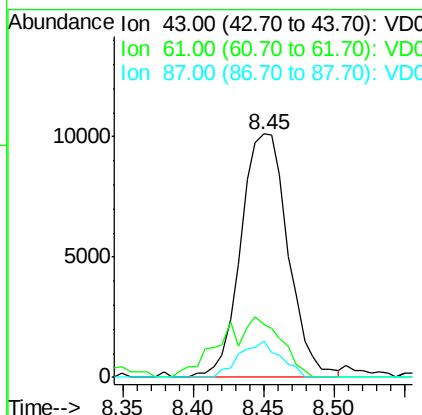
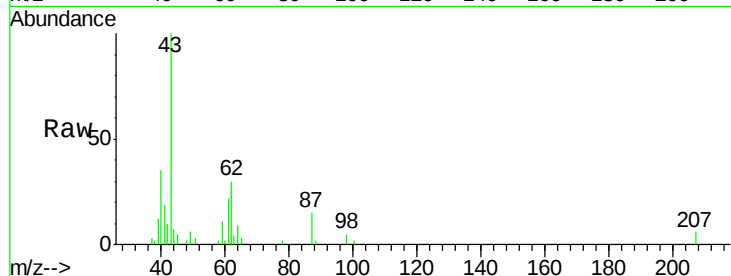
#43
Isopropyl Acetate
Concen: 4.886 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.2	34.8
87	12.8	10.0	15.0

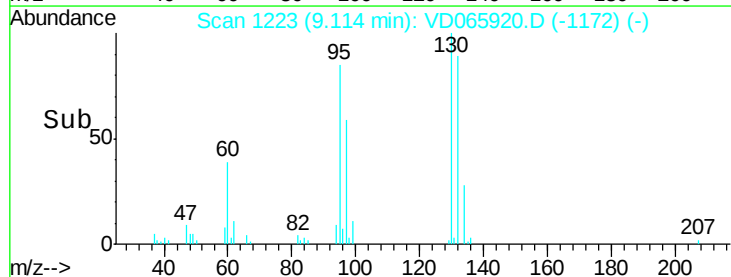
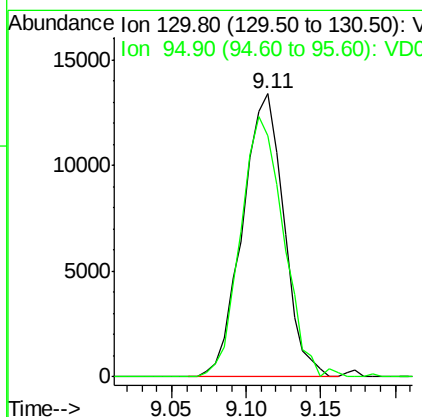
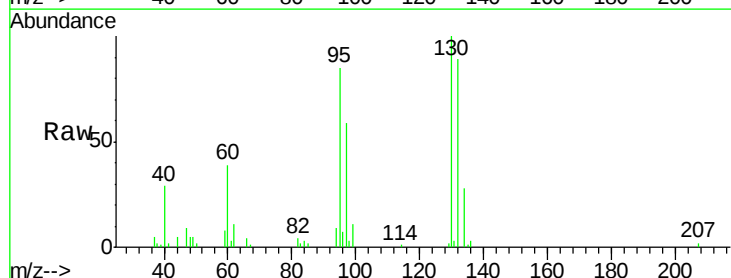
Manual Integrations
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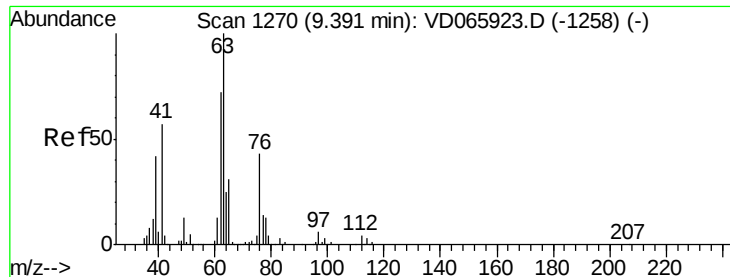
MMDadoda
7/8/2020 12:05:38 PM



#44
Trichloroethene
Concen: 5.071 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 5.069 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 21656

Ion Ratio Lower Upper

63 100

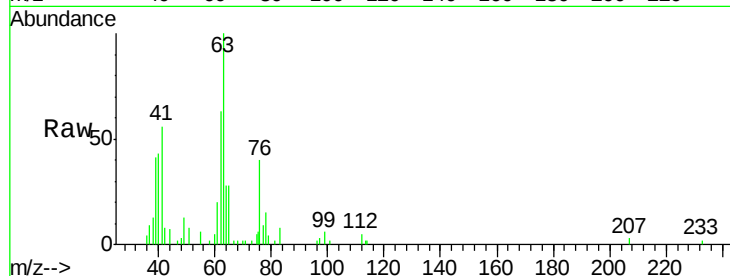
65 27.6 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

12000

10000

8000

6000

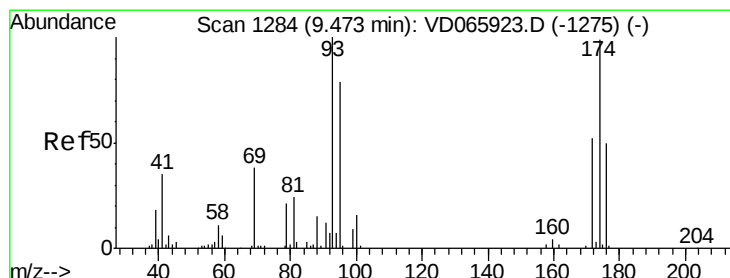
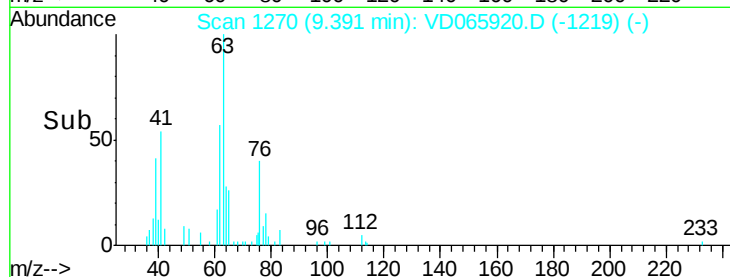
4000

2000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 5.243 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

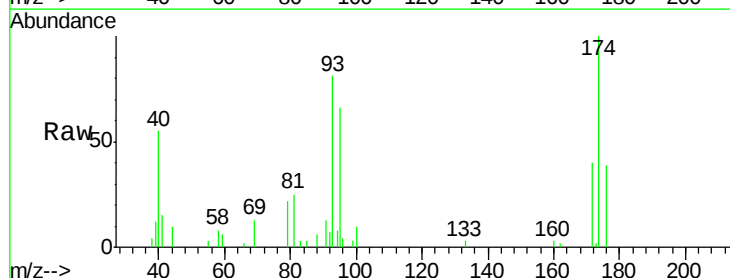
Tgt Ion: 93 Resp: 11661

Ion Ratio Lower Upper

93 100

95 82.8 68.2 102.2

174 108.4 88.0 132.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

8000

6000

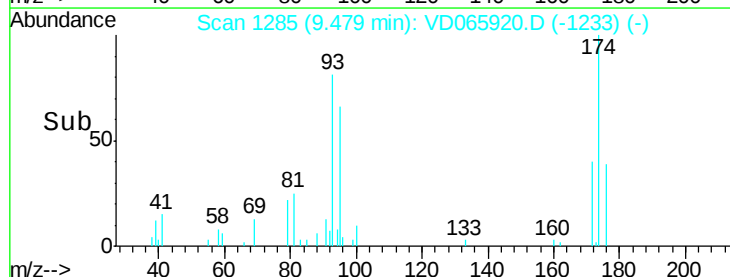
4000

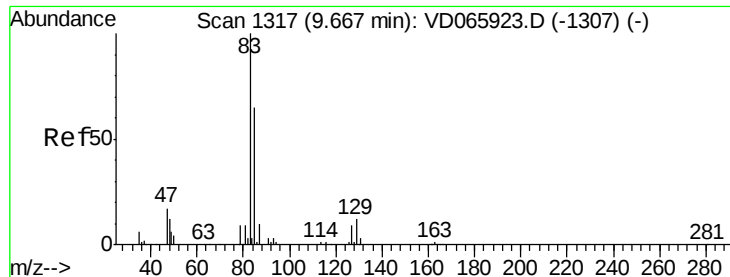
2000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 5.137 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

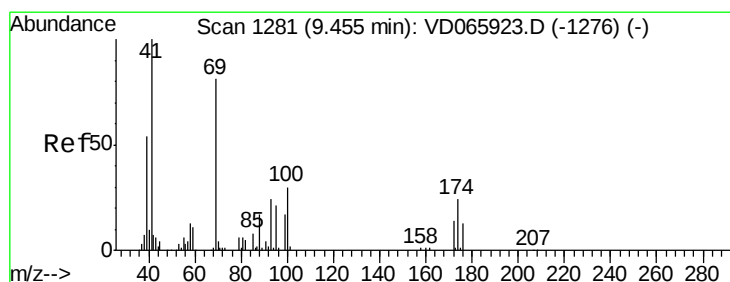
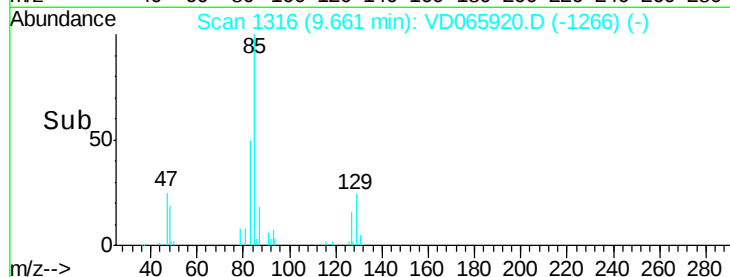
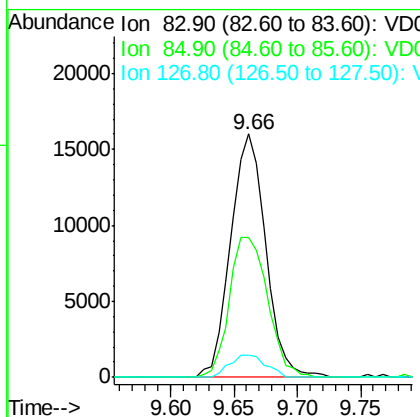
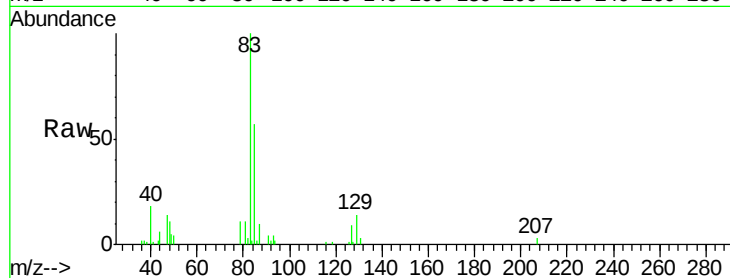
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	30649
Ion	Ratio	Lower	Upper
83	100		
85	57.3	51.6	77.4
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.445 ug/l

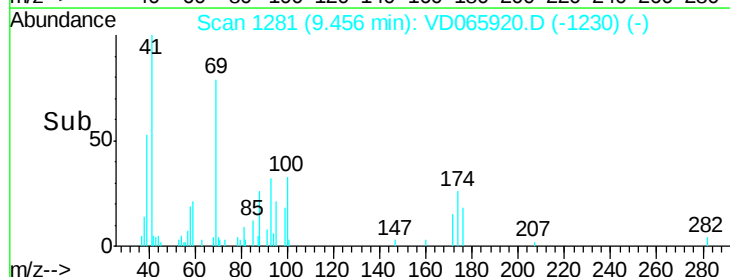
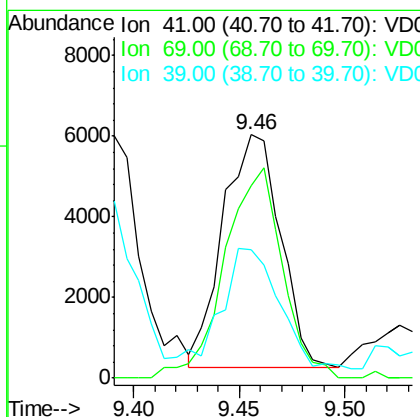
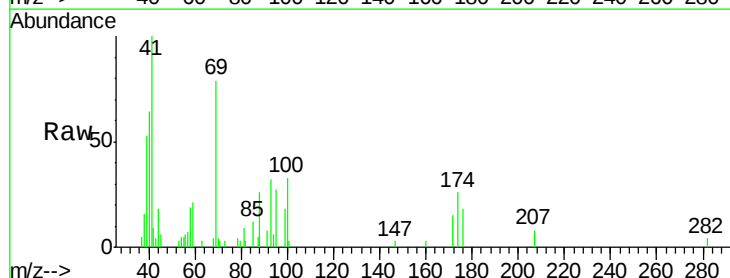
RT: 9.46 min Scan# 1281

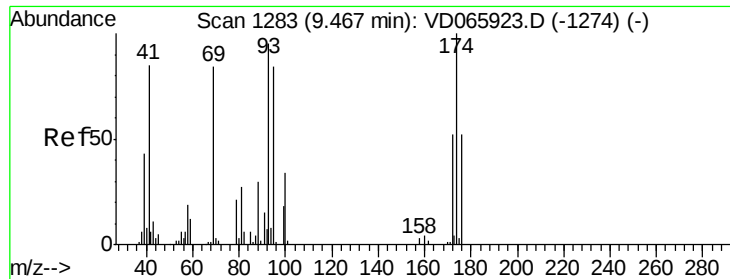
Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion:	41	Resp:	10873
Ion	Ratio	Lower	Upper
41	100		
69	91.1	62.2	93.4
39	52.7	39.9	59.9





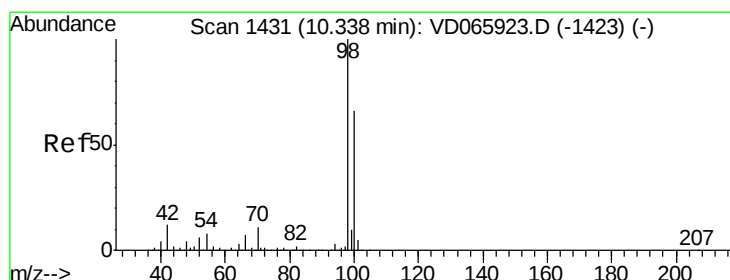
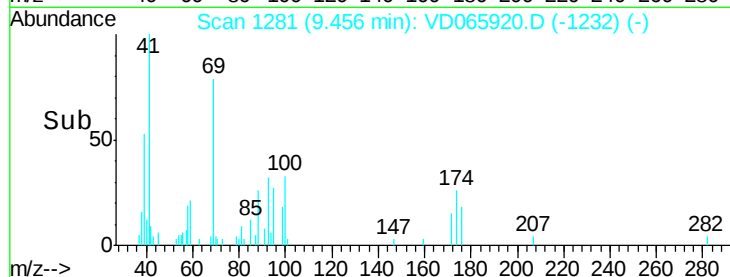
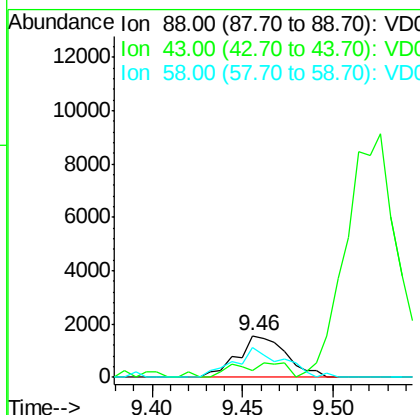
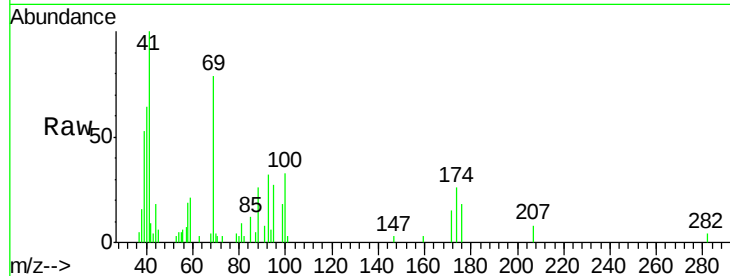
#49
1,4-Dioxane
Concen: 110.224 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2913
Ion	Ratio	Lower	Upper
88	100		
43	19.3	28.2	42.4#
58	70.5	58.6	87.8

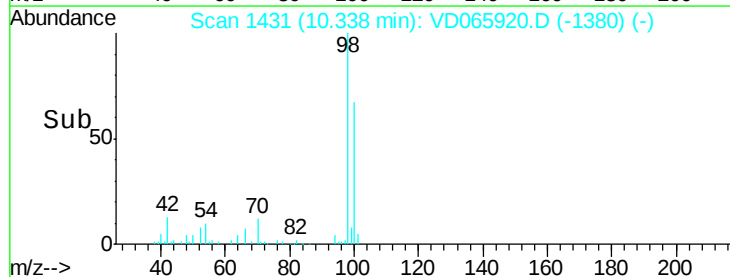
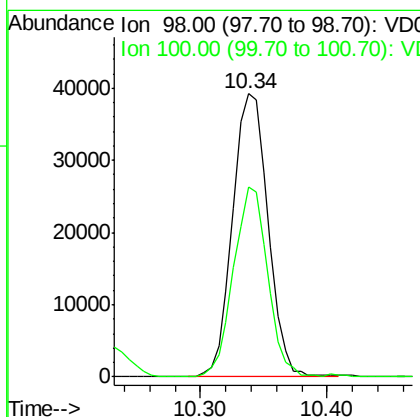
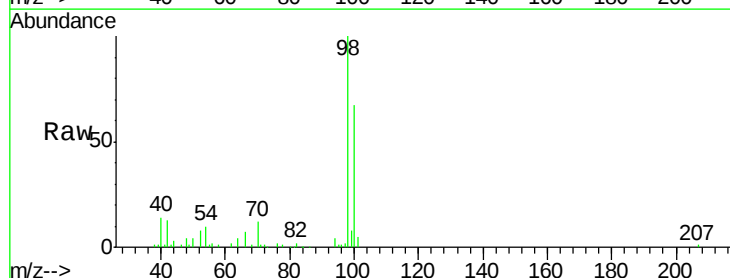
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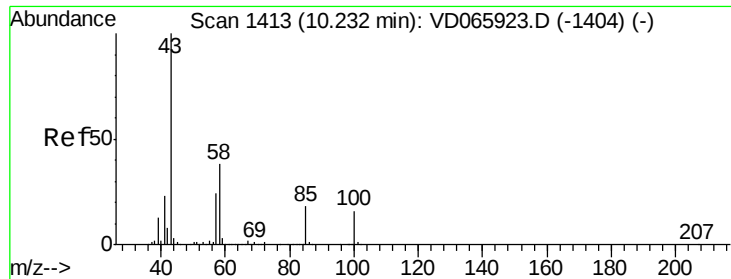
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#50
Toluene-d8
Concen: 5.346 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	98	Resp	75915
Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 25.243 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 62016

Ion Ratio Lower Upper

43 100

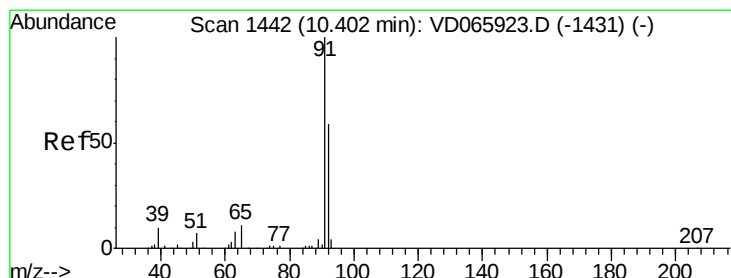
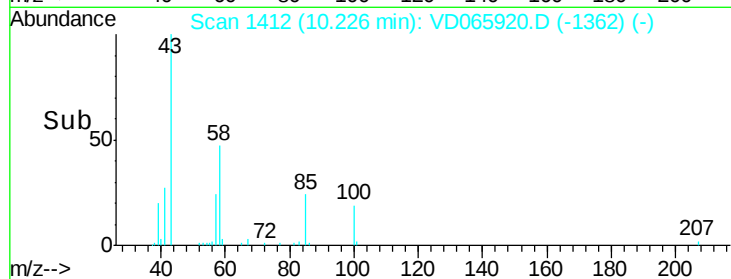
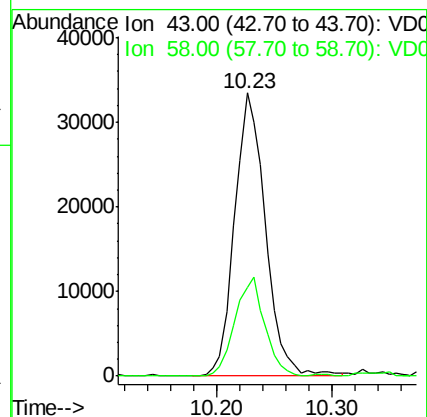
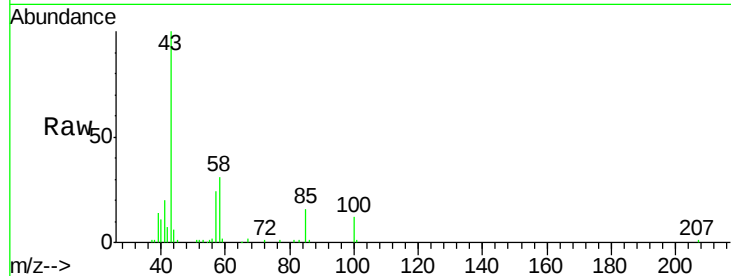
58 33.5 30.5 45.7

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#52

Toluene

Concen: 4.929 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065920.D

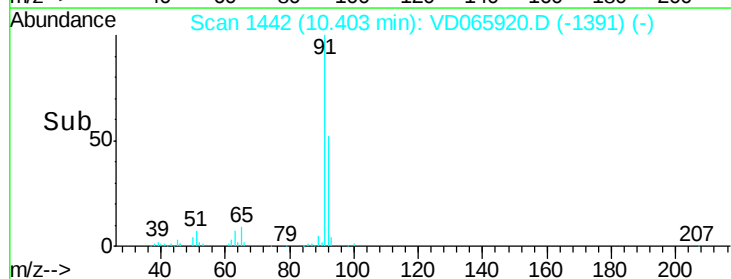
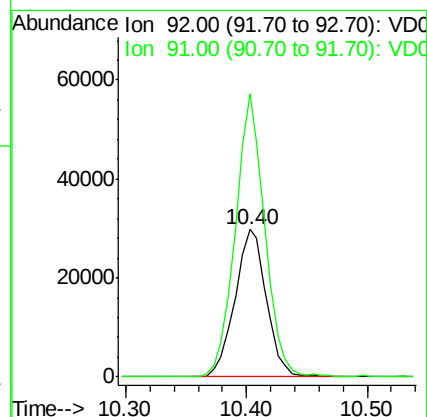
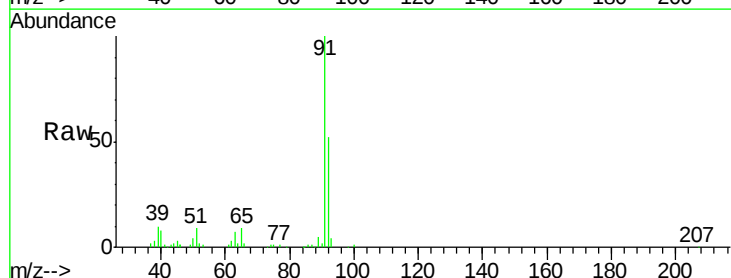
Acq: 07 Jul 2020 13:40

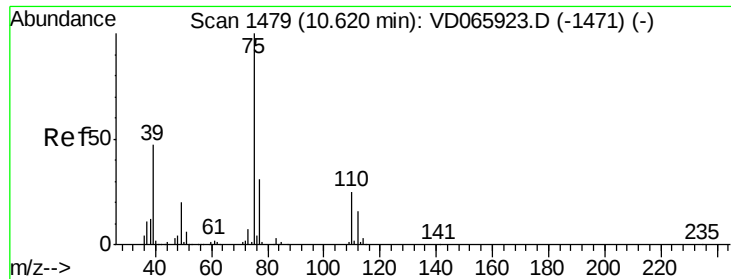
Tgt Ion: 92 Resp: 53978

Ion Ratio Lower Upper

92 100

91 179.6 136.0 204.0





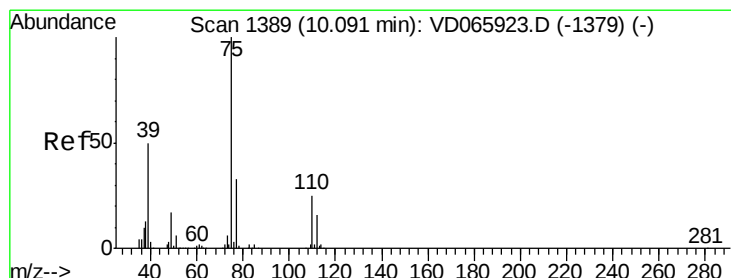
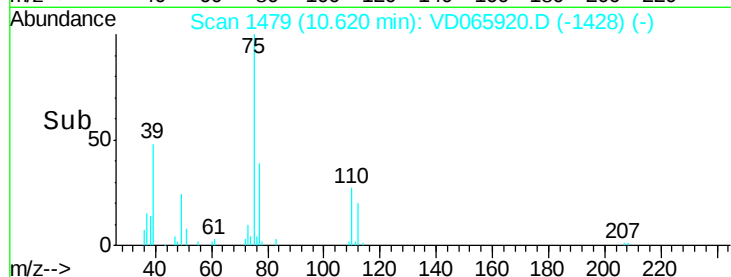
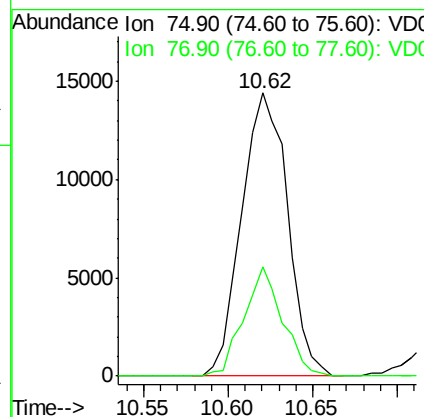
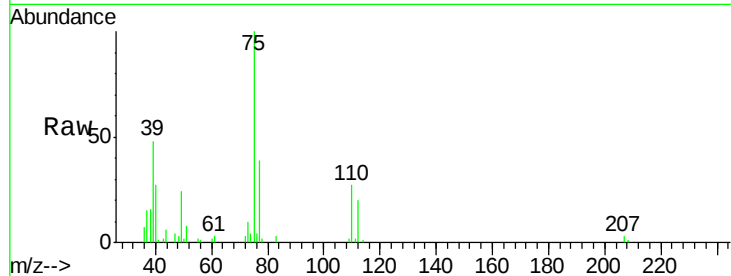
#53
 t-1,3-Dichloropropene
 Concen: 4.846 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 27186
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.1 37.7#

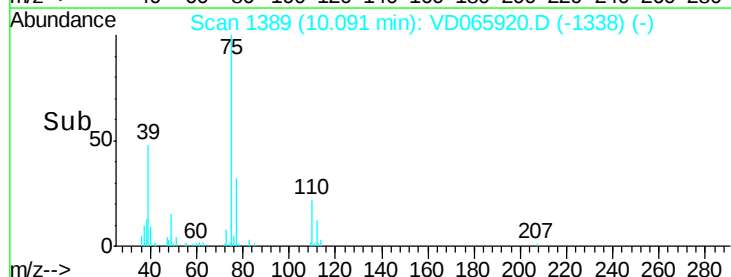
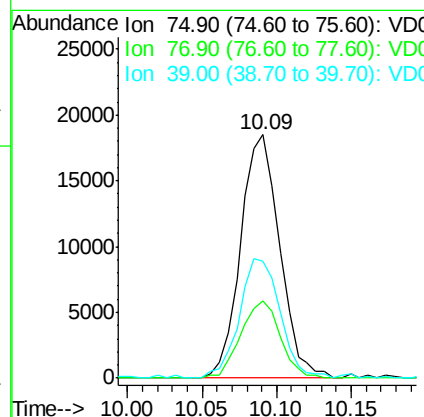
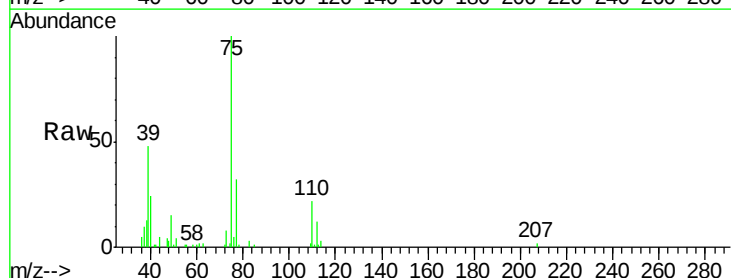
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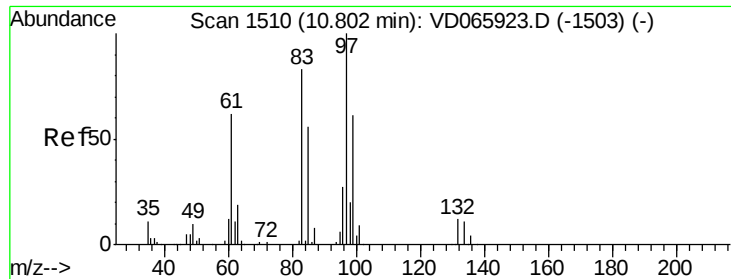
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#54
 cis-1,3-Dichloropropene
 Concen: 4.962 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 75 Resp: 33633
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.6 39.8
 39 47.9 39.6 59.4





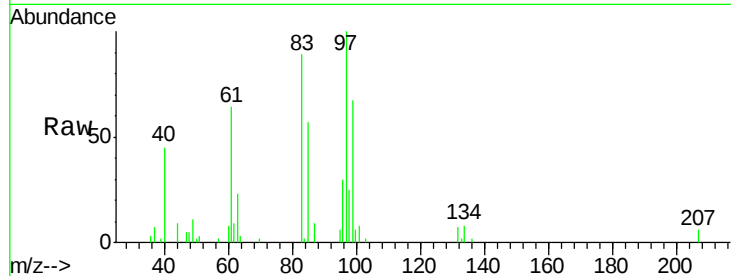
#55
 1,1,2-Trichloroethane
 Concen: 5.099 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

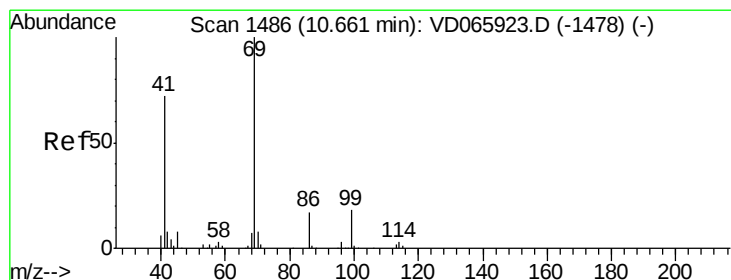
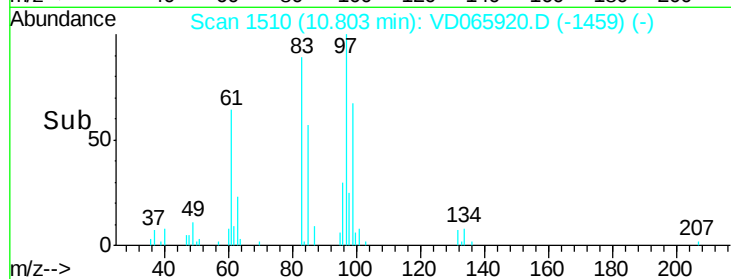
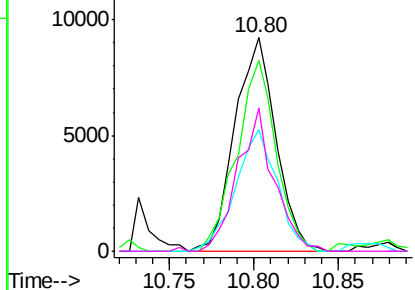
Tot Ion:	97	Resp:	15627
Ion	Ratio	Lower	Upper
97	100		
83	89.2	66.9	100.3
85	56.9	44.5	66.7
99	66.9	49.2	73.8

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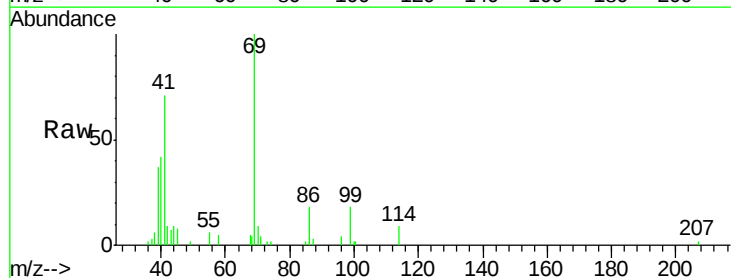


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

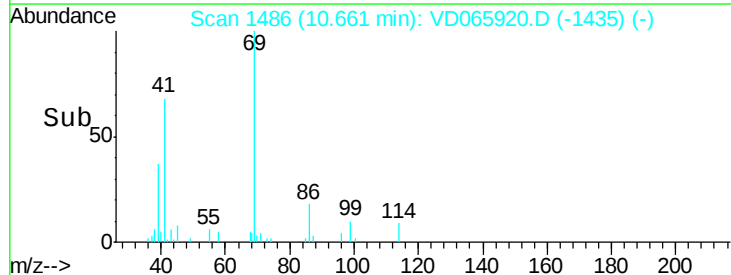
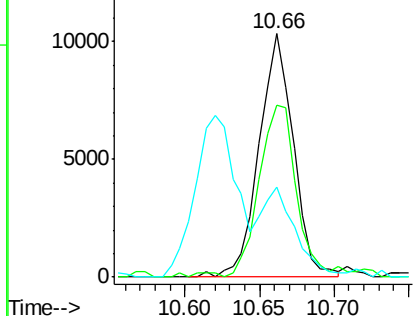


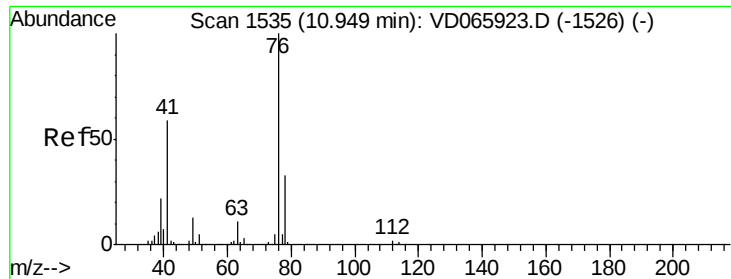
#56
 Ethyl methacrylate
 Concen: 4.384 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion:	69	Resp:	16408
Ion	Ratio	Lower	Upper
69	100		
41	77.9	56.5	84.7
39	37.9	29.2	43.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





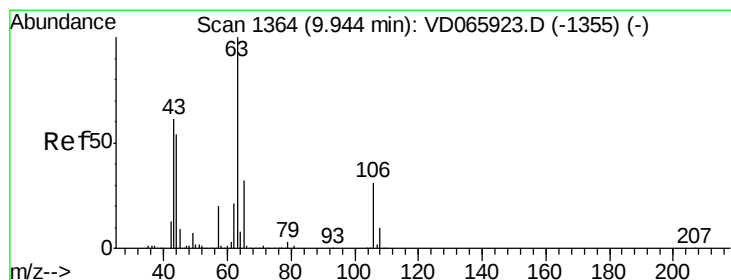
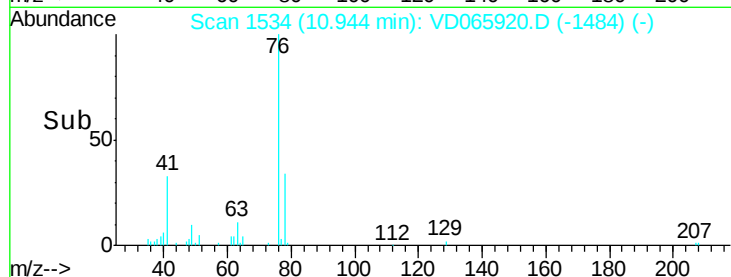
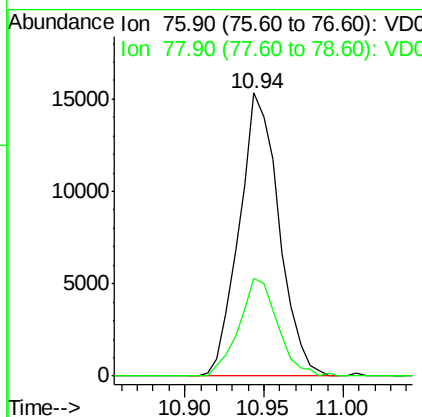
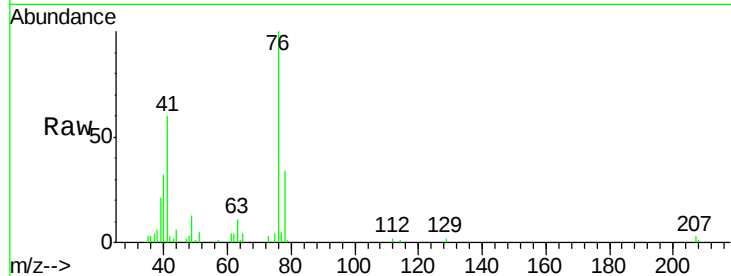
#57
 1,3-Dichloropropane
 Concen: 4.990 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 26743
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.8 38.6

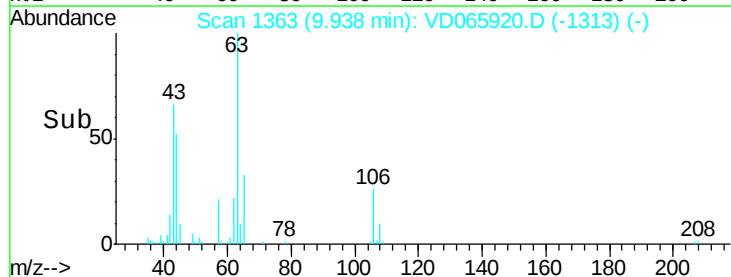
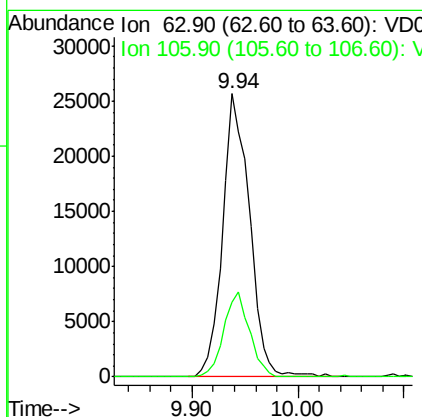
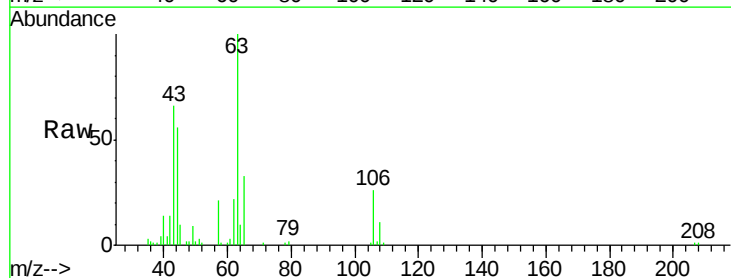
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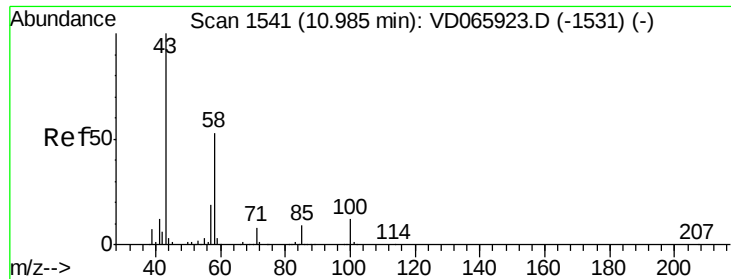
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#58
 2-Chloroethyl Vinyl ether
 Concen: 25.079 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 63 Resp: 45461
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.8 35.6





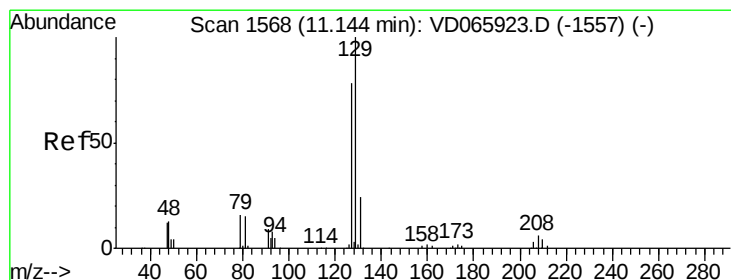
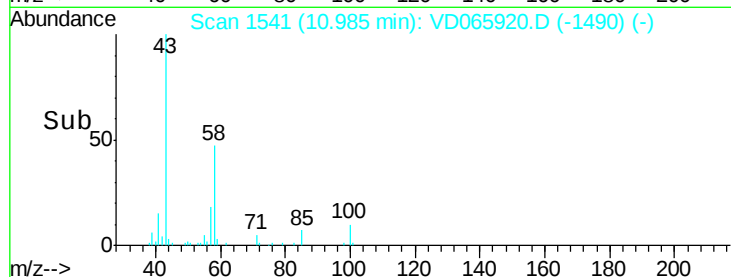
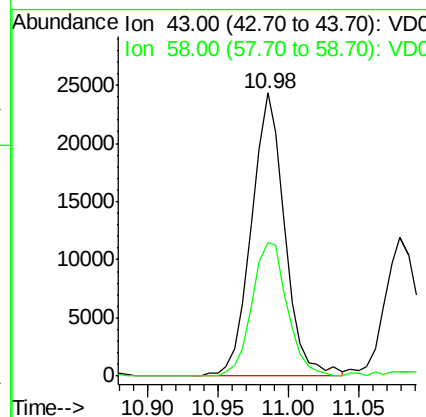
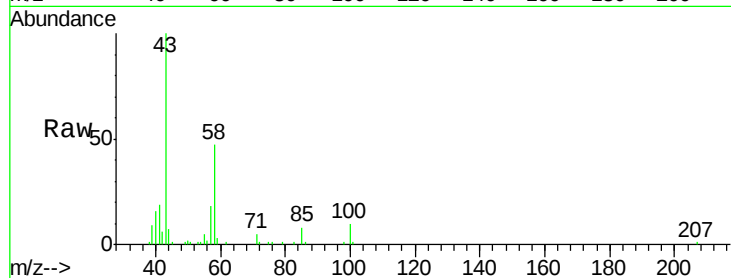
#59
2-Hexanone
Concen: 23.977 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	40511
Ion Ratio	100	Lower	Upper
43	100		
58	49.9	26.6	79.8

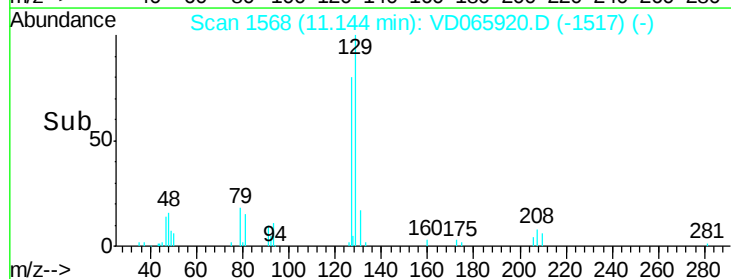
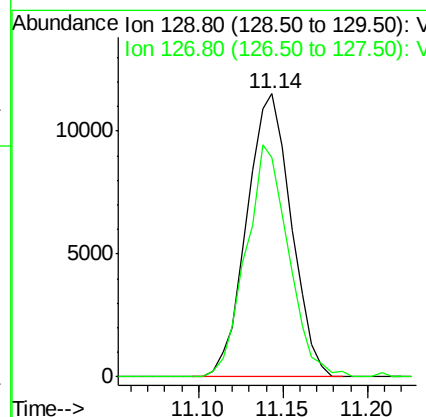
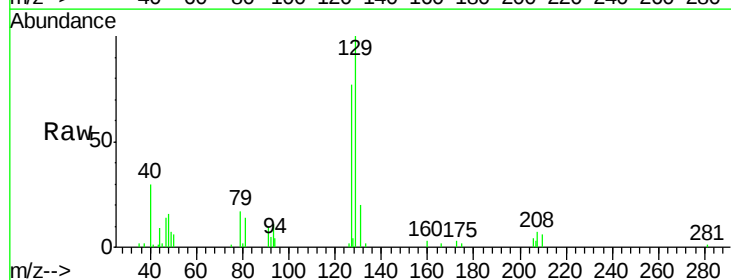
Manual Integrations
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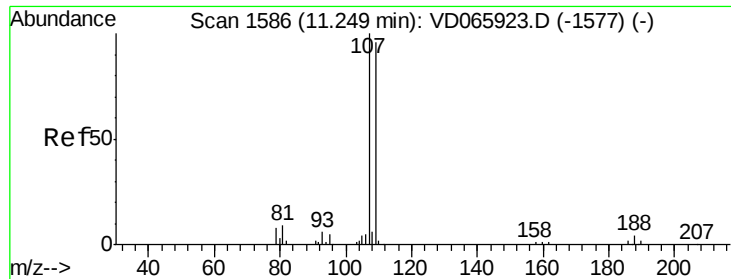
MMDadoda
7/8/2020 12:05:38 PM



#60
Dibromochloromethane
Concen: 5.032 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	129	Resp	21068
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	38.8	116.4





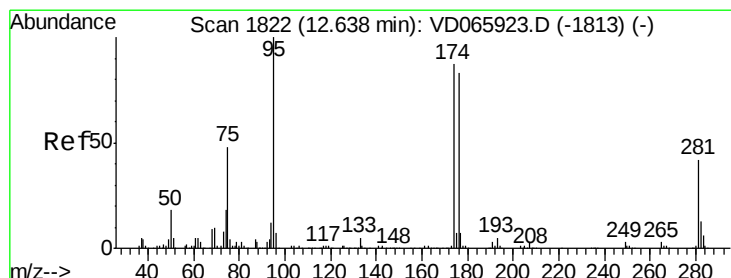
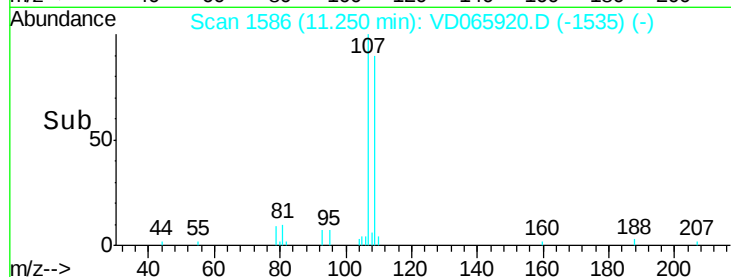
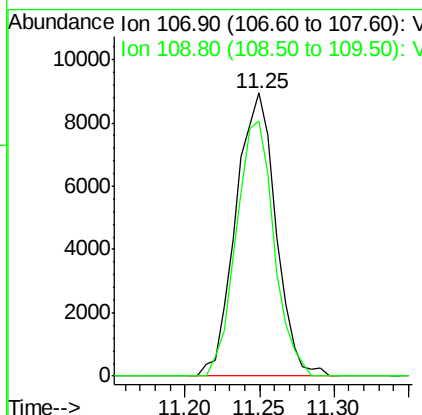
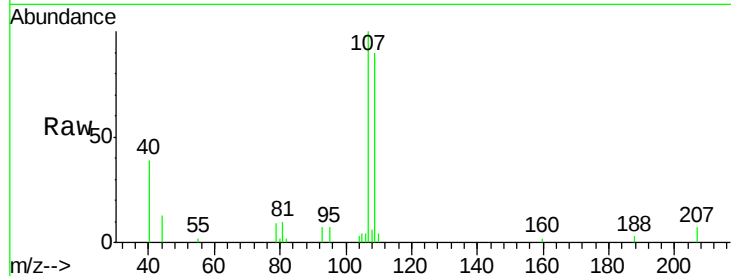
#61
 1,2-Dibromoethane
 Concen: 5.455 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 16666
 Ion Ratio Lower Upper
 107 100
 109 84.8 75.4 113.0

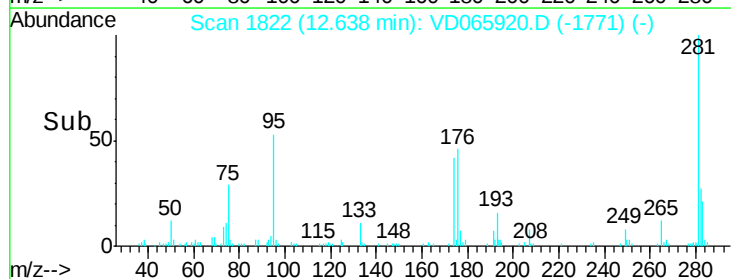
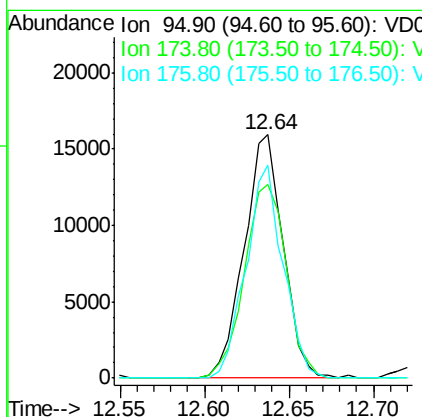
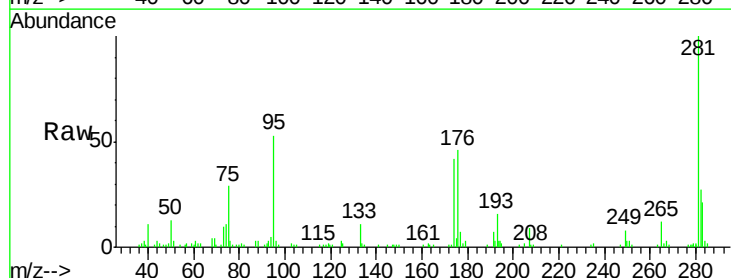
Manual Integrations
 APPROVED

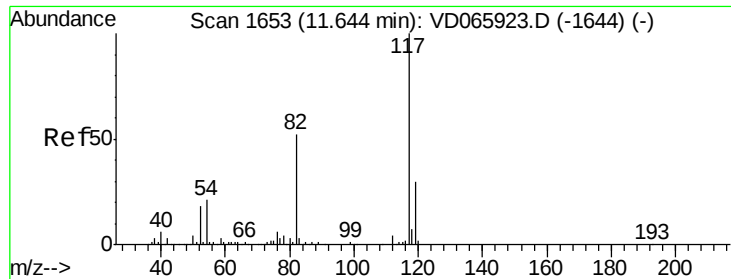
MMDadoda
 7/8/2020 12:05:38 PM



#62
 4-Bromofluorobenzene
 Concen: 5.252 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 95 Resp: 25608
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 169.4
 176 83.1 0.0 164.0





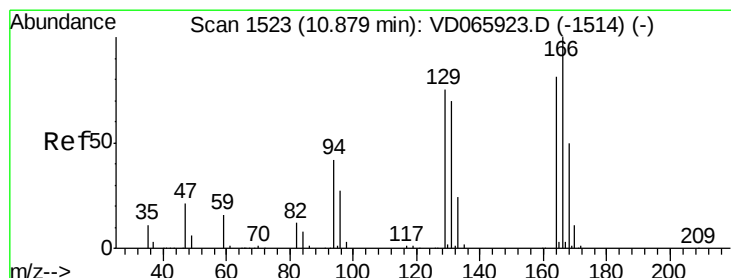
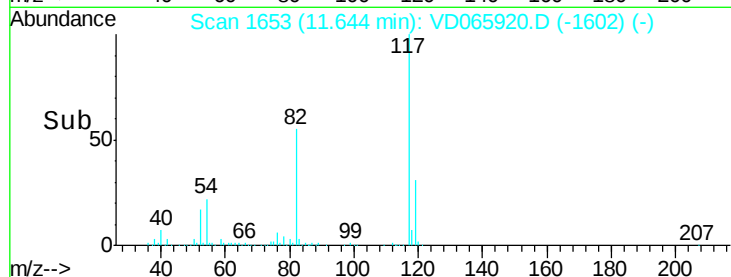
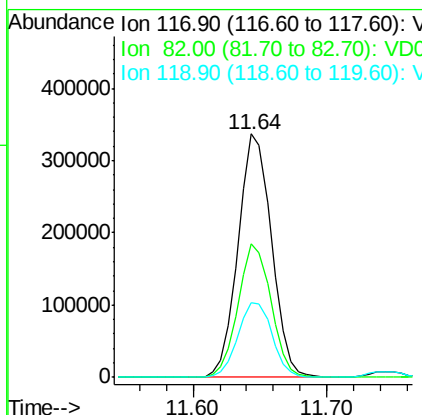
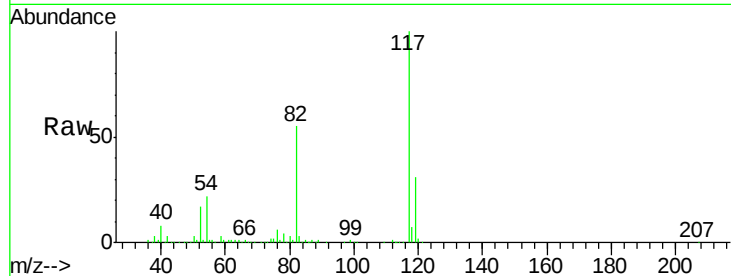
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	584708		
82	55.0		41.8	62.8
119	30.8		24.3	36.5

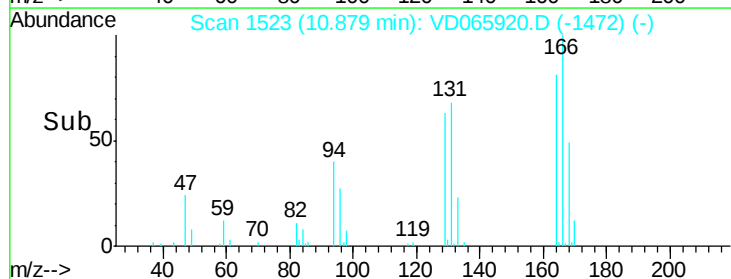
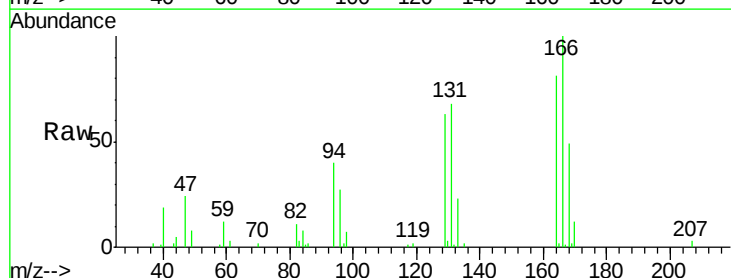
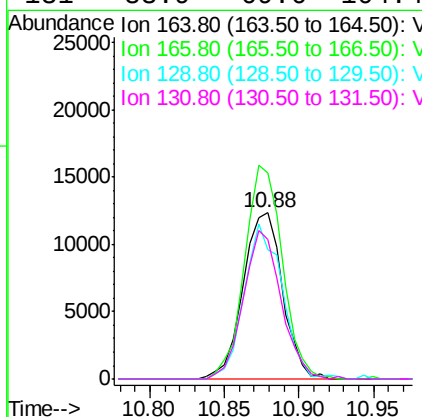
Manual Integrations
APPROVED

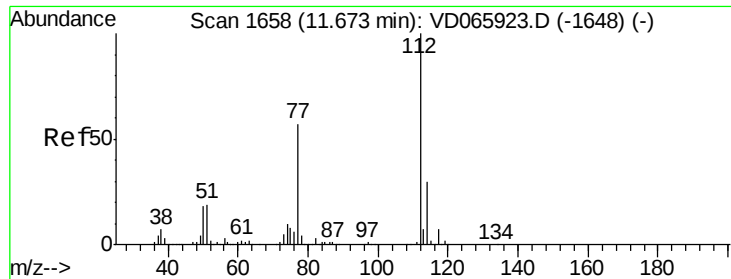
MMDadoda
7/8/2020 12:05:38 PM



#64
Tetrachloroethene
Concen: 5.307 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22567		
166	123.8		99.0	148.4
129	78.0		73.9	110.9
131	83.9		69.6	104.4





#65

Chlorobenzene

Concen: 5.005 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 58978

Ion Ratio Lower Upper

112 100

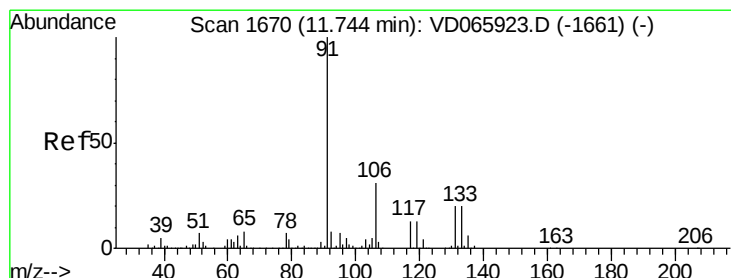
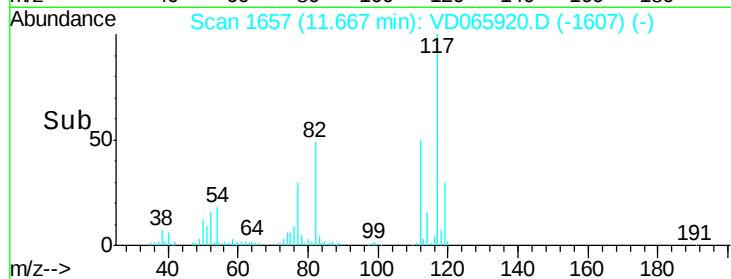
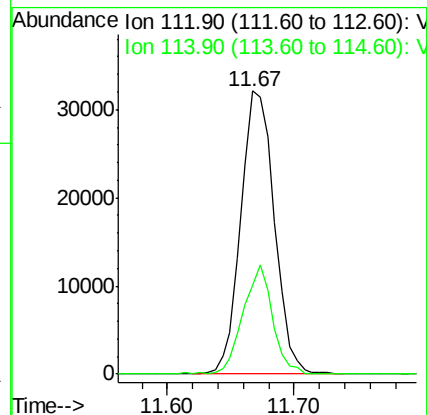
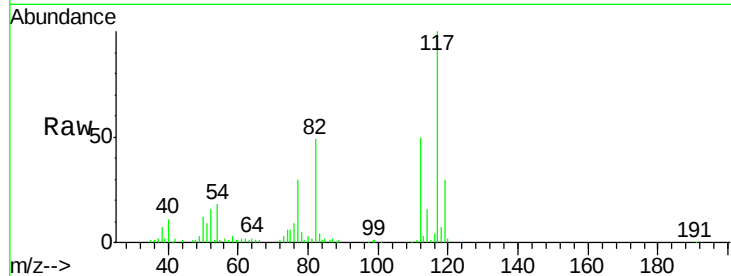
114 31.6 24.2 36.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.178 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

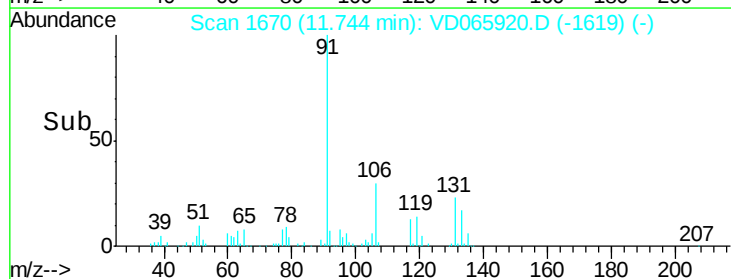
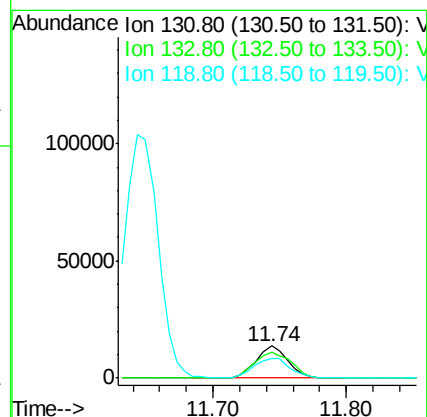
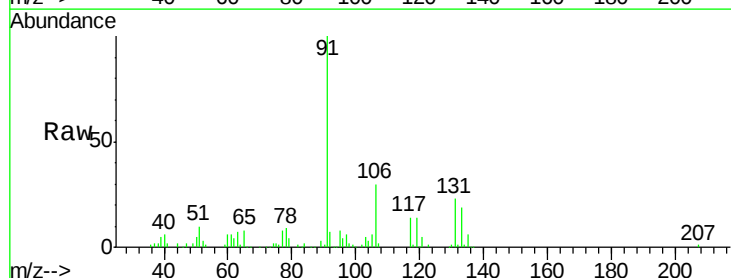
Tgt Ion:131 Resp: 22822

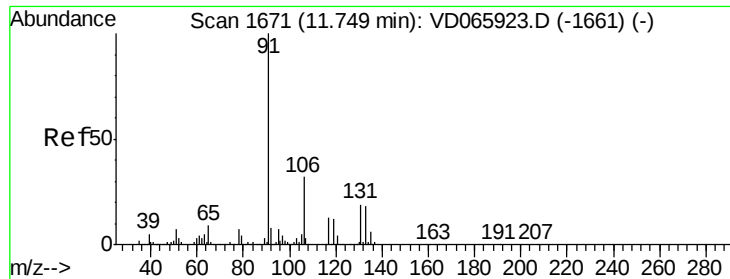
Ion Ratio Lower Upper

131 100

133 92.7 47.9 143.6

119 68.7 31.9 95.9





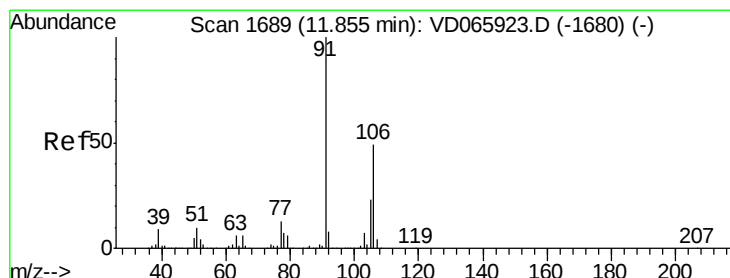
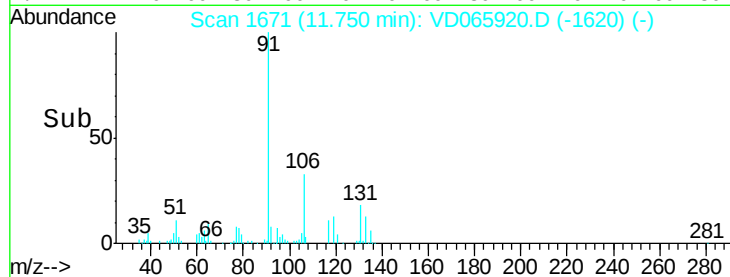
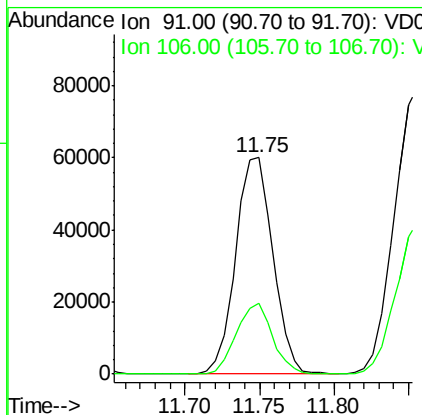
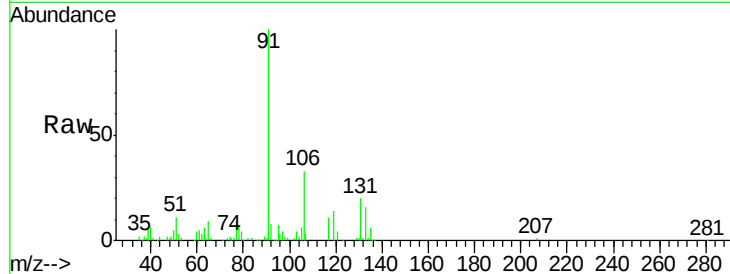
#67
Ethyl Benzene
Concen: 4.987 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 104392
Ion Ratio Lower Upper
91 100
106 32.5 25.2 37.8

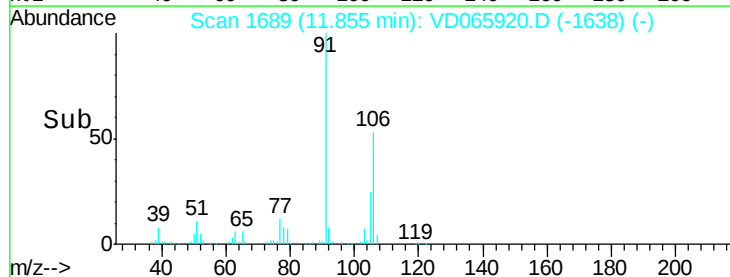
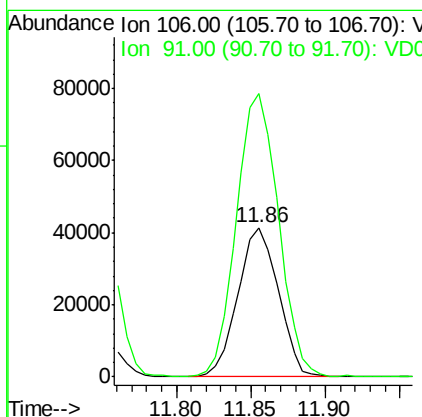
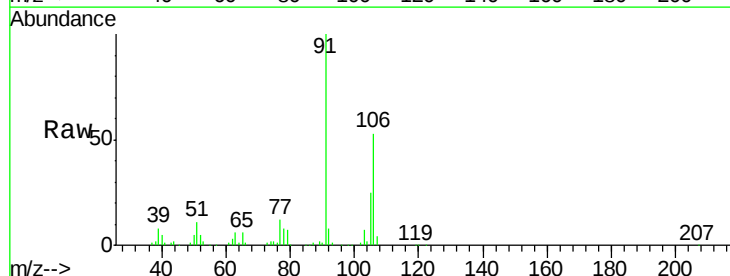
Manual Integrations
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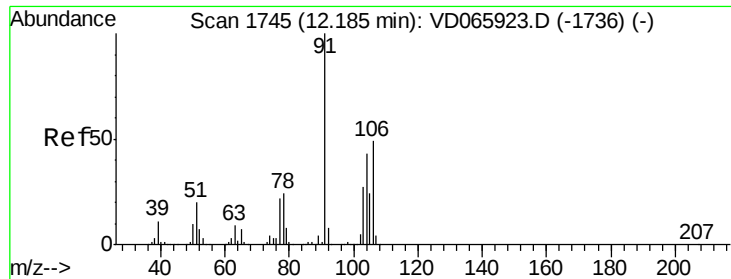
MMDadoda
7/8/2020 12:05:38 PM



#68
m/p-Xylenes
Concen: 9.828 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 106 Resp: 78158
Ion Ratio Lower Upper
106 100
91 196.4 158.2 237.2





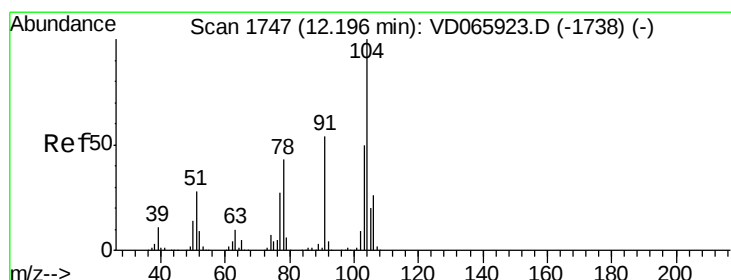
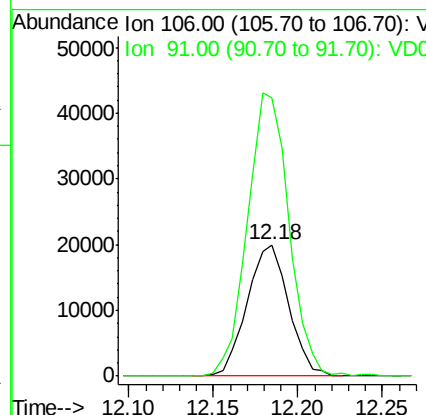
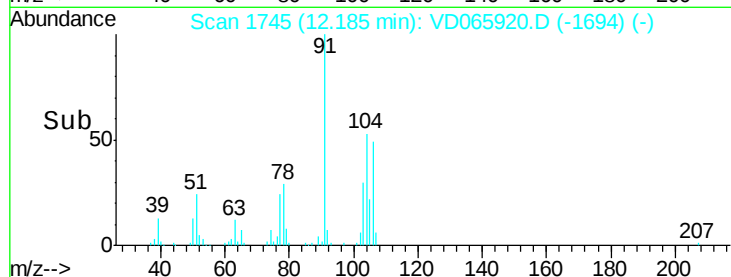
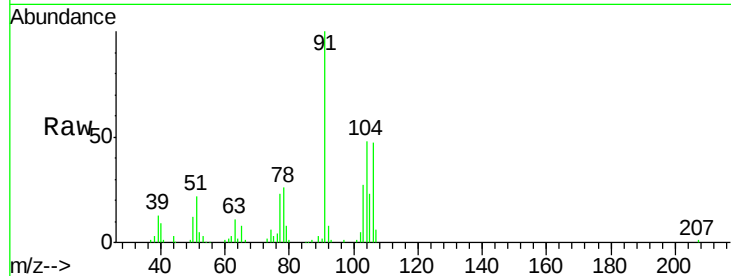
#69
o-Xylene
Concen: 4.699 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 34043
Ion Ratio Lower Upper
106 100
91 216.4 104.1 312.2

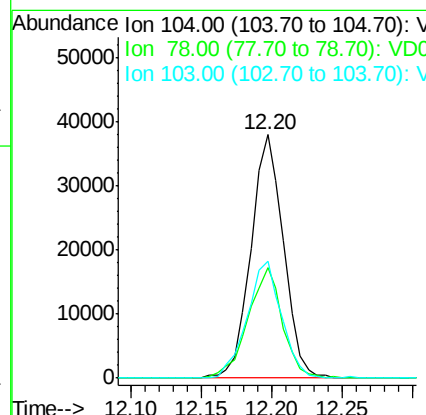
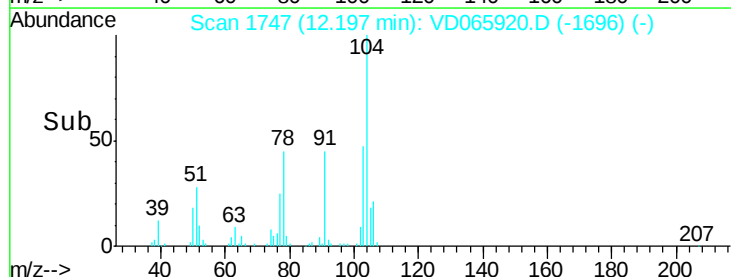
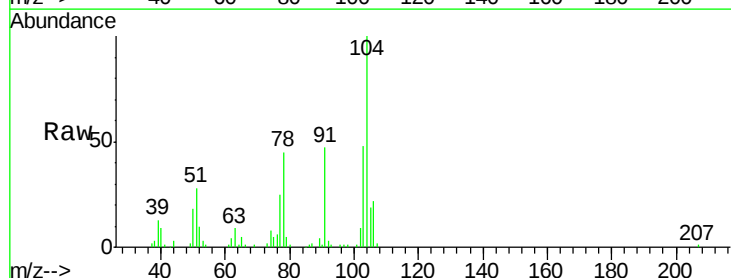
Manual Integrations
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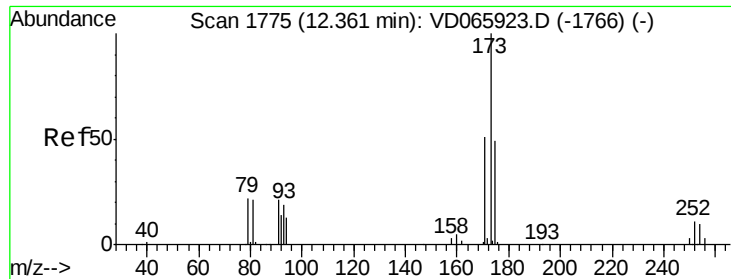
MMDadoda
7/8/2020 12:05:38 PM



#70
Styrene
Concen: 4.911 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:104 Resp: 61421
Ion Ratio Lower Upper
104 100
78 47.7 38.8 58.2
103 50.7 43.6 65.4





#71

Bromoform

Concen: 5.226 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 13033

Ion Ratio Lower Upper

173 100

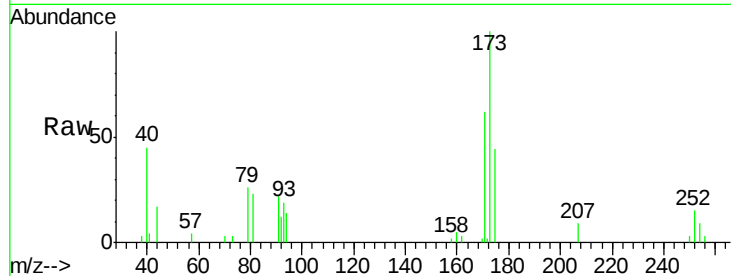
175 49.1 24.2 72.6

254 0.0 0.0 0.0

Manual Integrations
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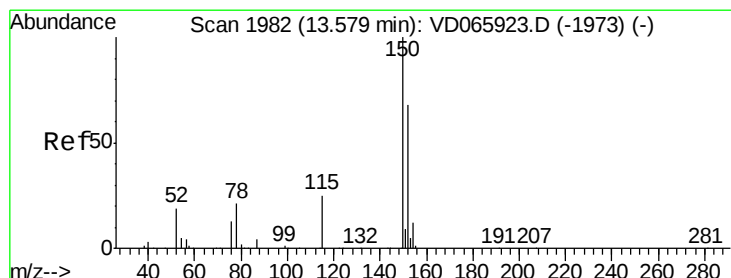
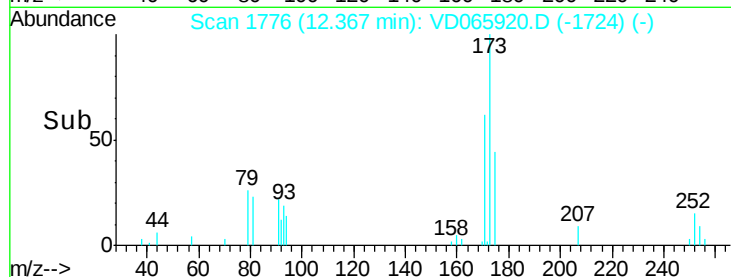
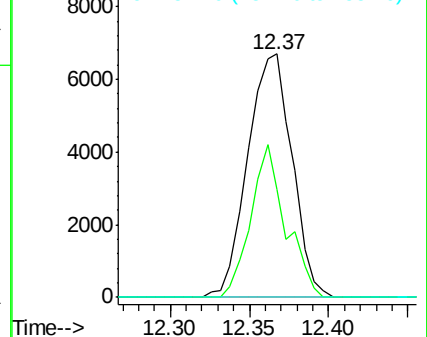
7/8/2020 12:05:38 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

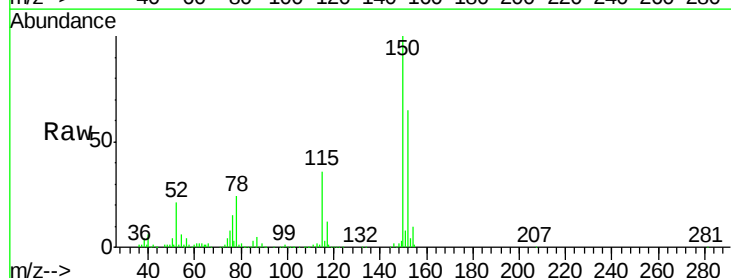
Tgt Ion:152 Resp: 287059

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

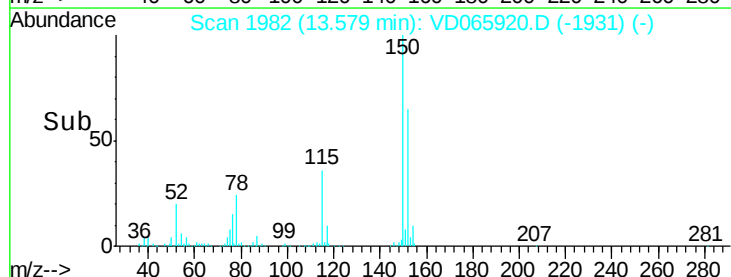
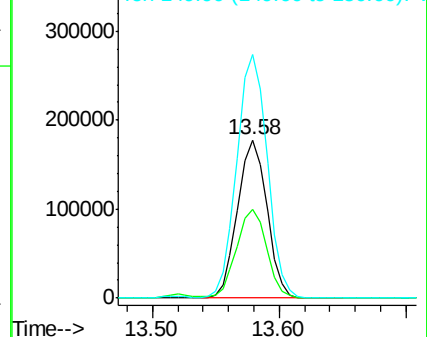
150 159.1 0.0 347.2

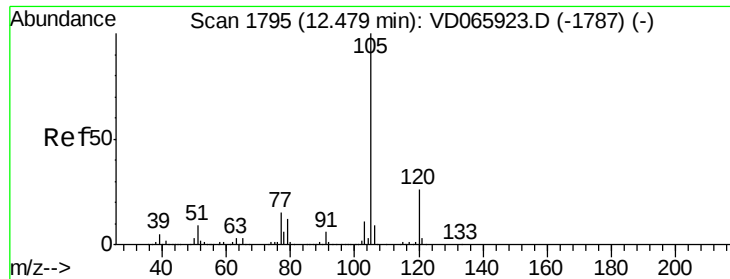


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





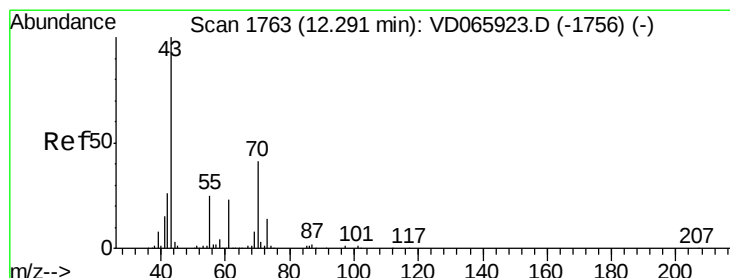
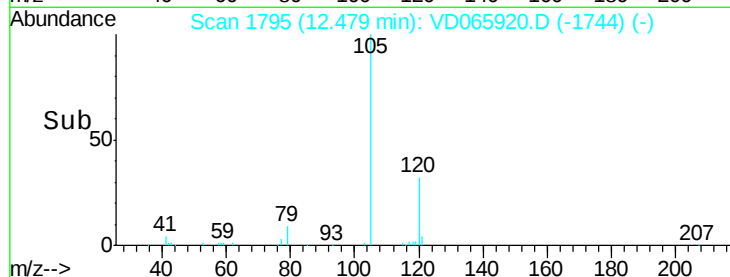
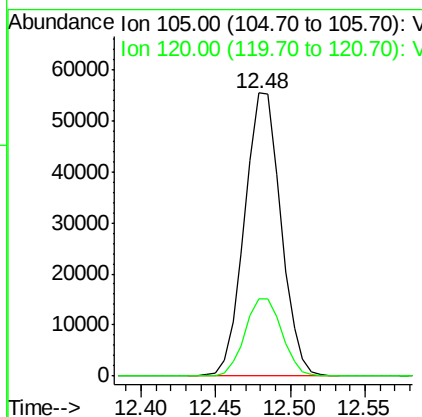
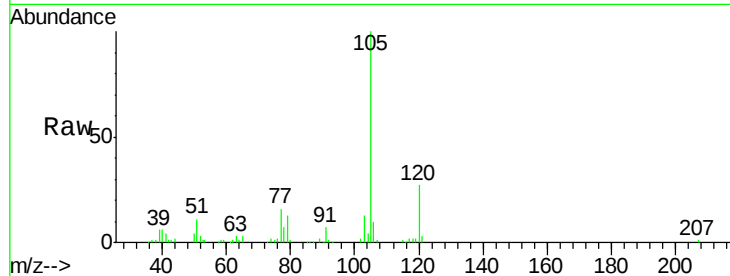
#73
Isopropylbenzene
Concen: 4.668 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.8

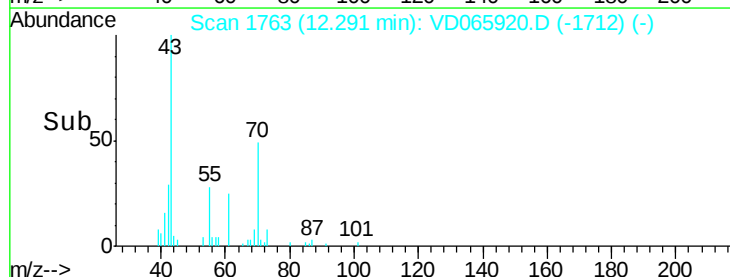
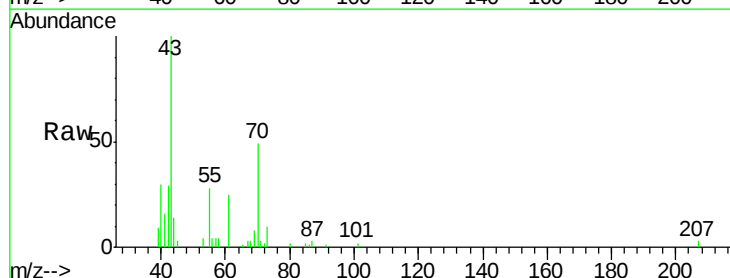
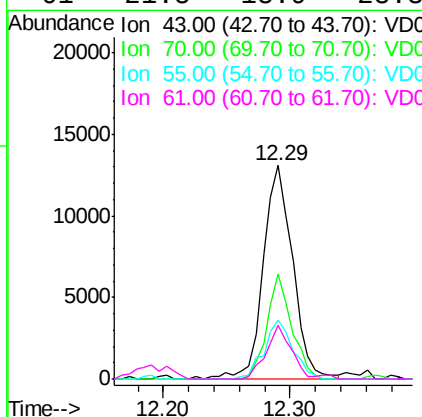
Manual Integrations
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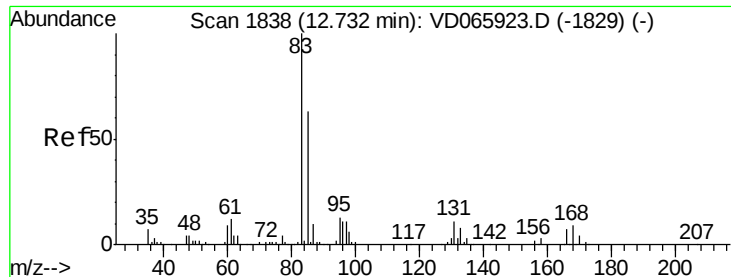
MMDadoda
7/8/2020 12:05:38 PM



#74
N-ethyl acetate
Concen: 4.726 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.6	50.4
55	26.9	20.1	30.1
61	21.5	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.081 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

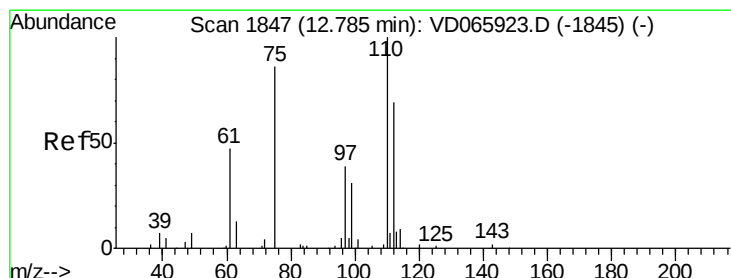
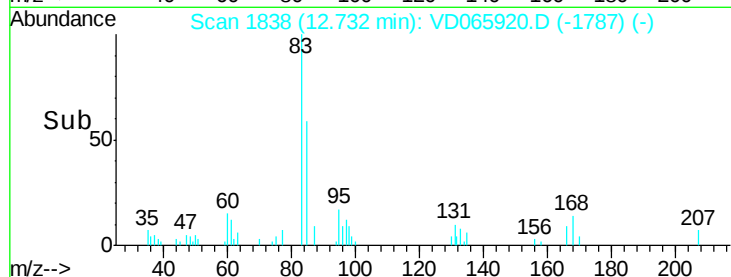
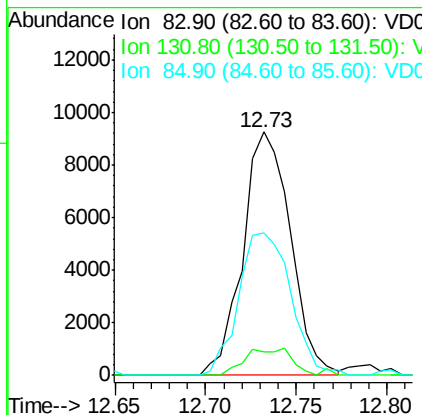
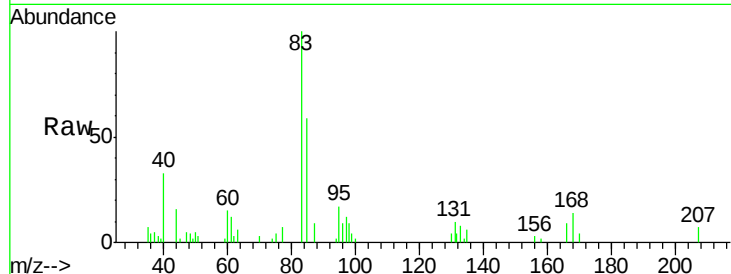
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16900
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.2	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.907 ug/l m

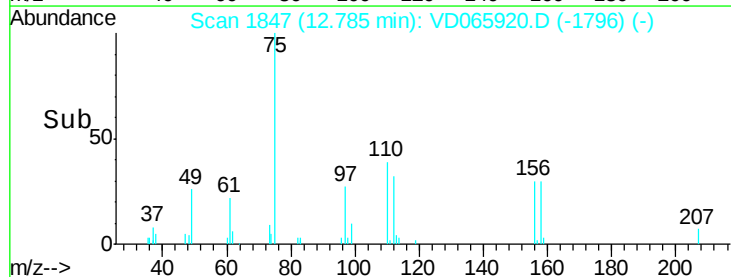
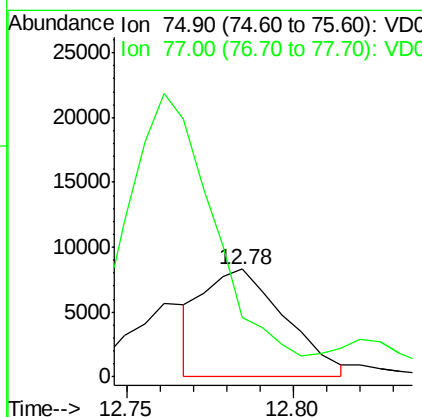
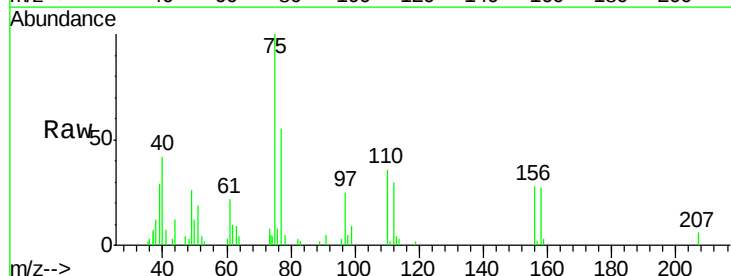
RT: 12.78 min Scan# 1847

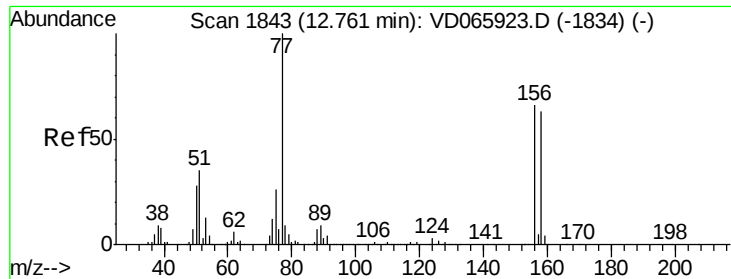
Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion:	75	Resp:	14166
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.939 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24000

Ion Ratio Lower Upper

156 100

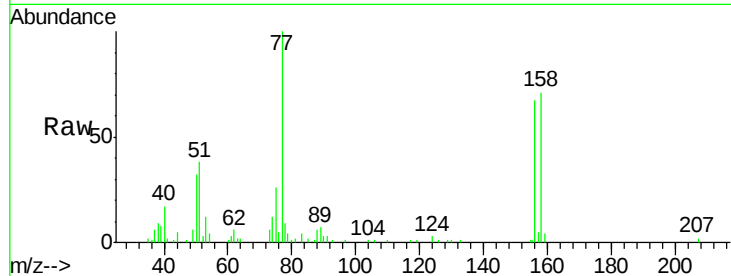
77 172.6 85.0 255.0

158 102.4 49.0 147.0

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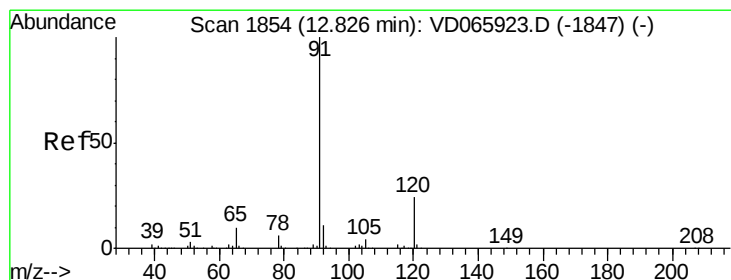
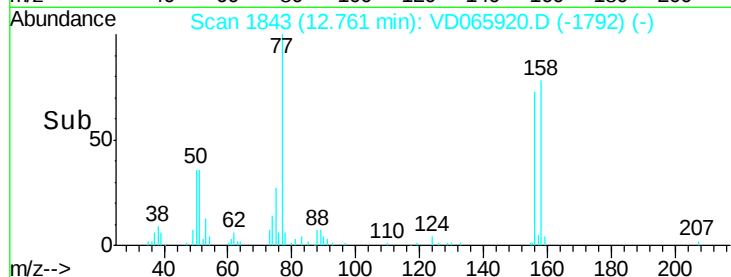
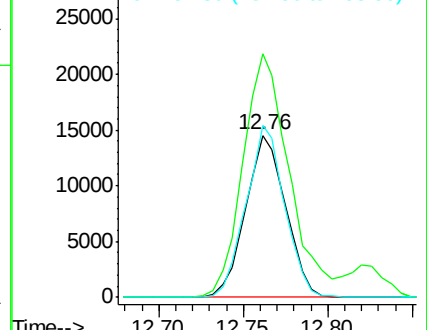
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.814 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065920.D

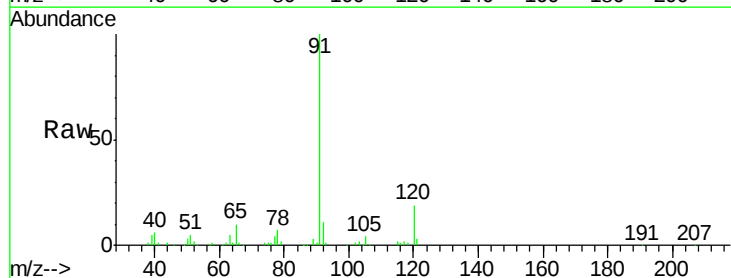
Acq: 07 Jul 2020 13:40

Tgt Ion: 91 Resp: 113066

Ion Ratio Lower Upper

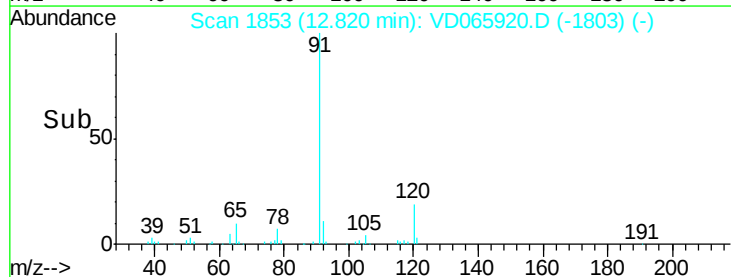
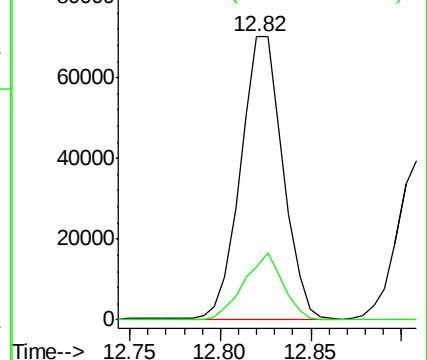
91 100

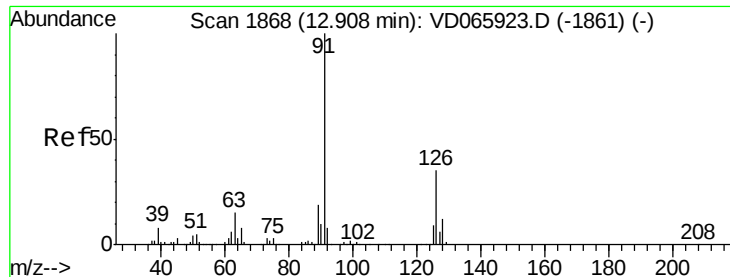
120 22.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.011 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 66766

Ion Ratio Lower Upper

91 100

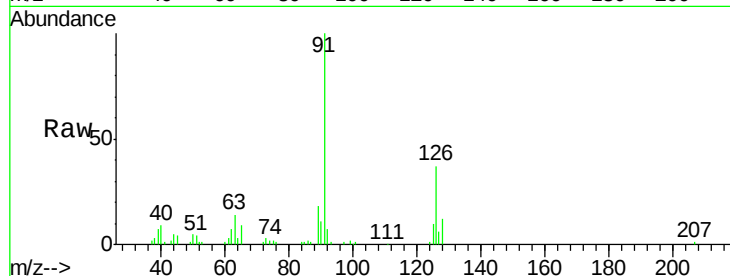
126 35.1 17.6 52.8

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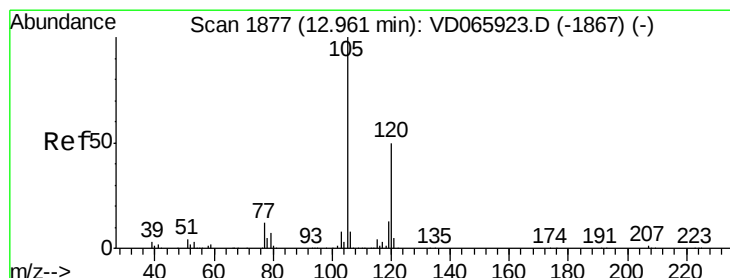
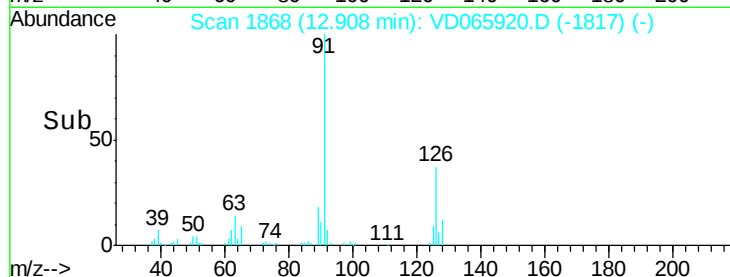
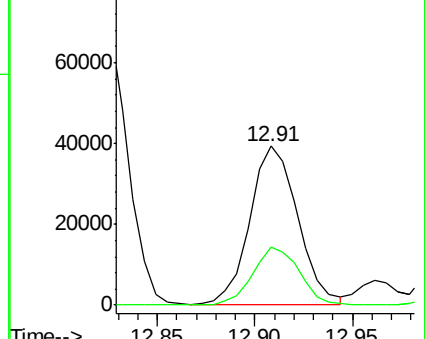
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Abundance Ion 91.00 (90.70 to 91.70): VD065920.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065920.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.701 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065920.D

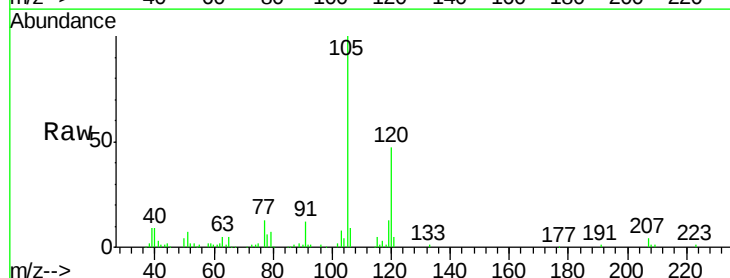
Acq: 07 Jul 2020 13:40

Tgt Ion: 105 Resp: 77027

Ion Ratio Lower Upper

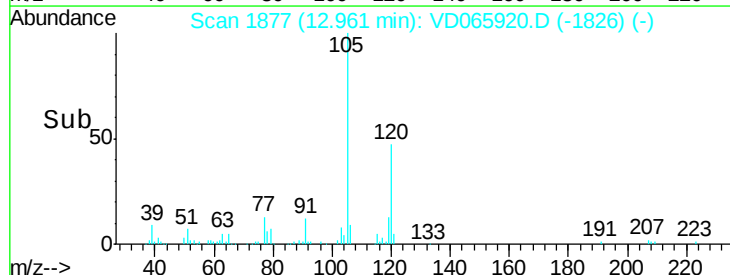
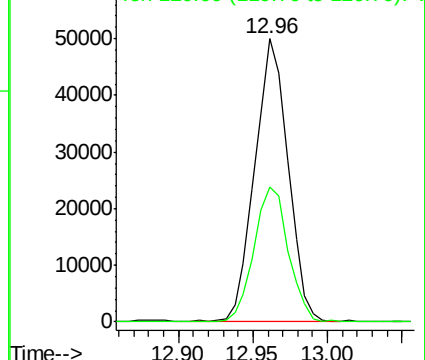
105 100

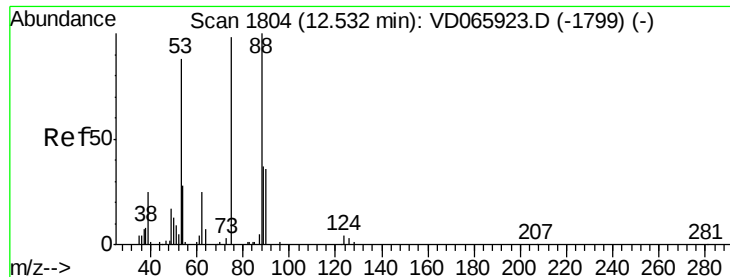
120 49.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065920.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD065920.D (-1826) (-)





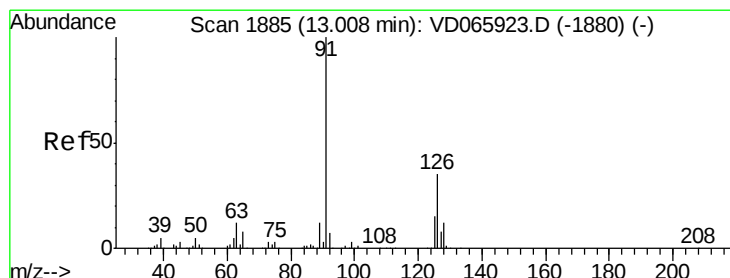
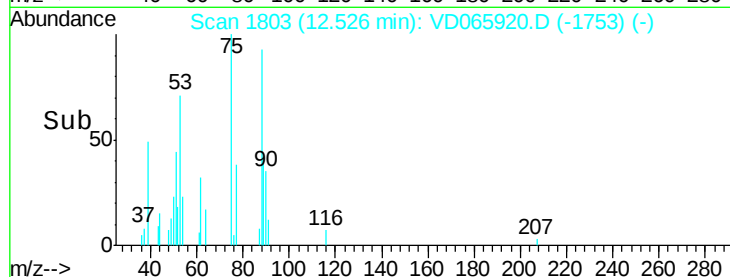
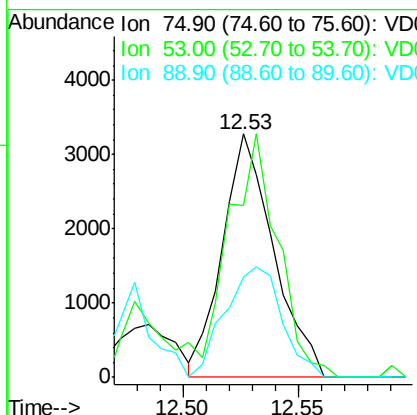
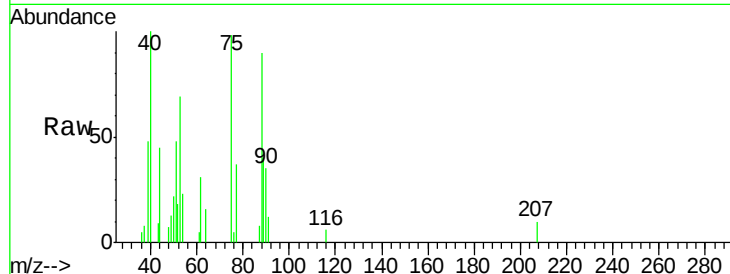
#81
trans-1,4-Dichloro-2-butene
Concen: 4.501 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	75.8	113.8
89	50.9	37.5	56.3

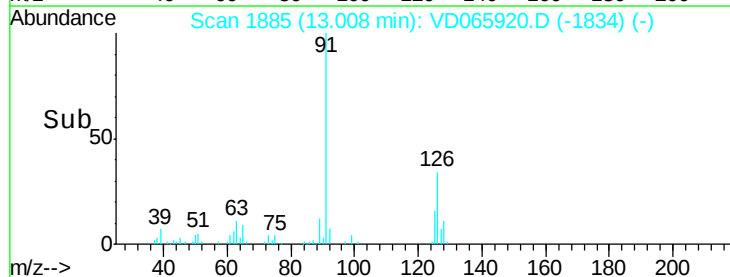
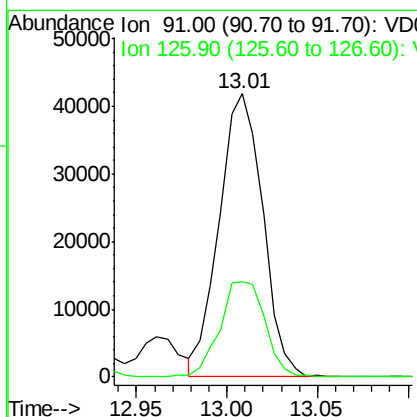
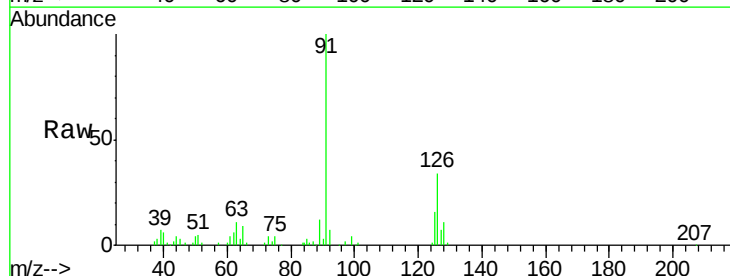
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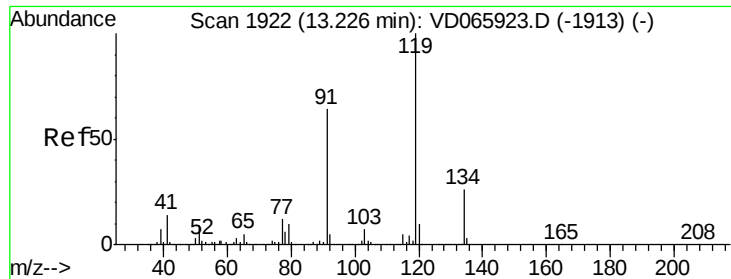
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#82
4-Chlorotoluene
Concen: 4.993 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





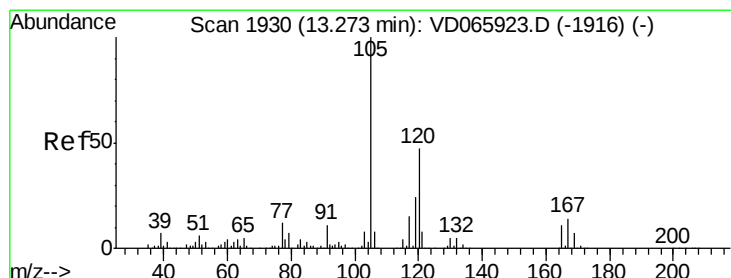
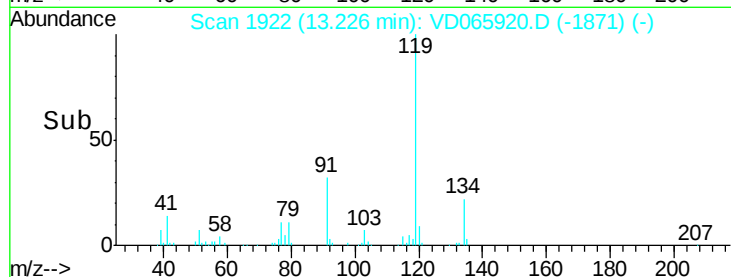
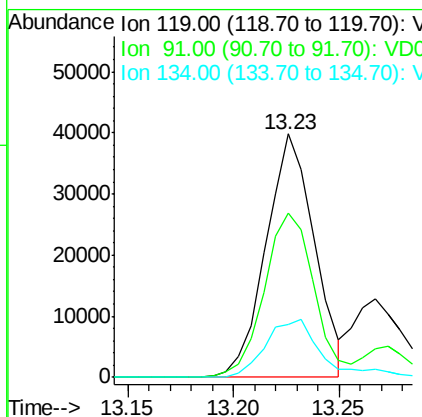
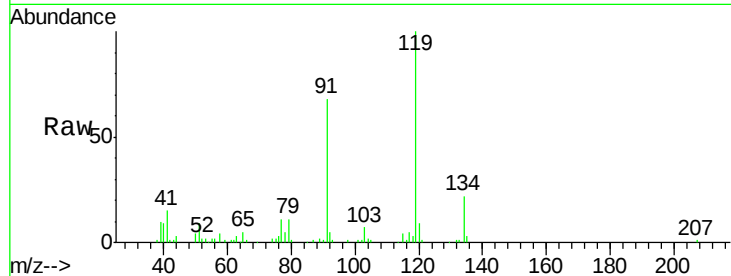
#83
tert-Butylbenzene
Concen: 4.548 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	32.4	97.2
134	27.7	14.1	42.4

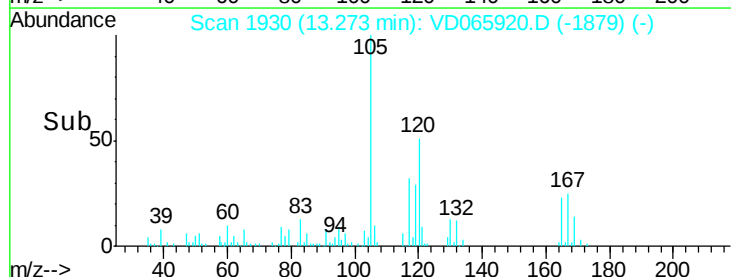
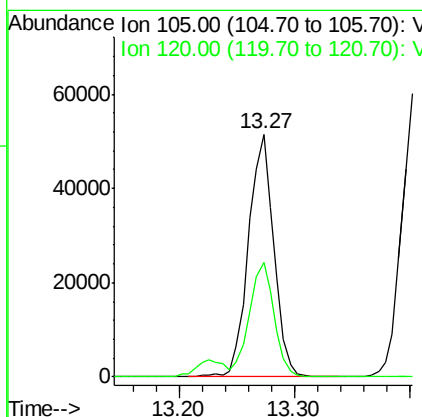
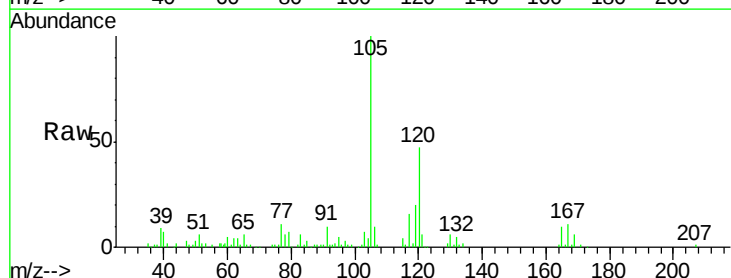
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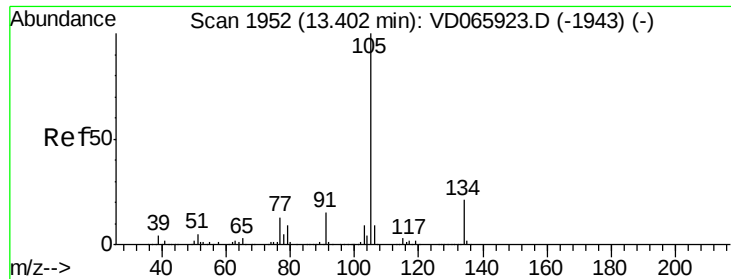
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#84
1,2,4-Trimethylbenzene
Concen: 4.837 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 4.769 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 94364

Ion Ratio Lower Upper

105 100

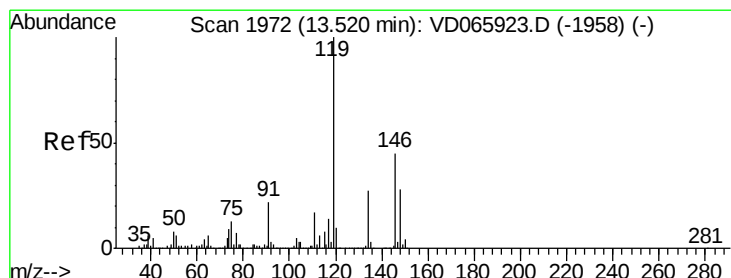
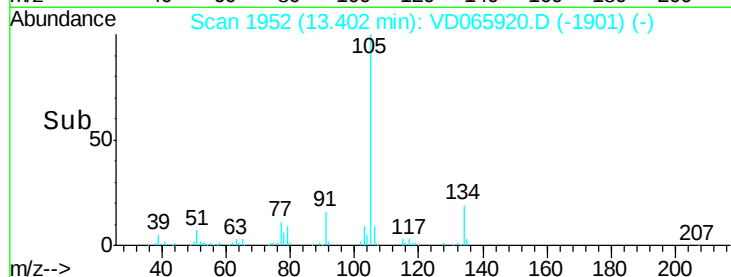
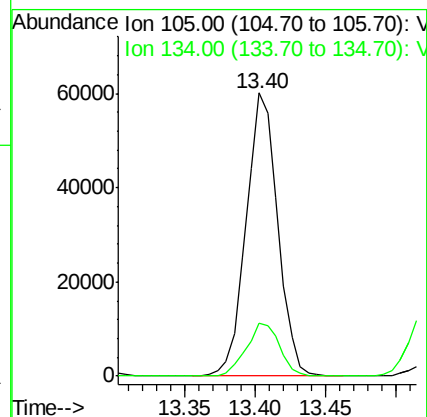
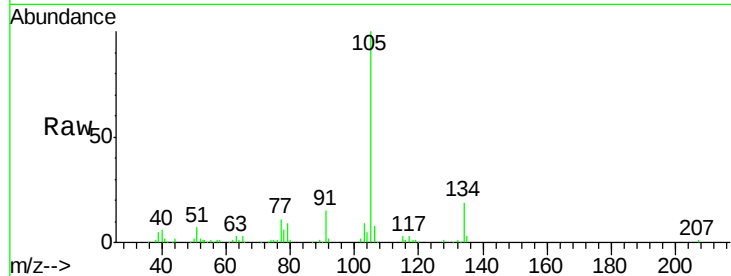
134 19.8 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.723 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

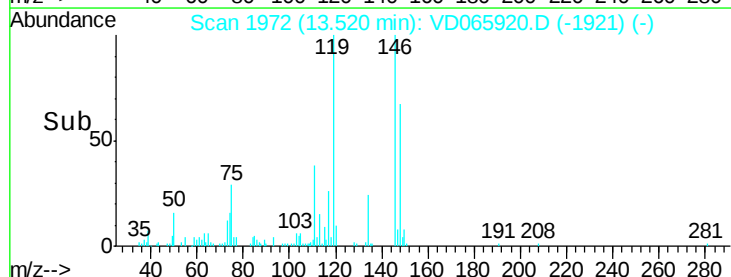
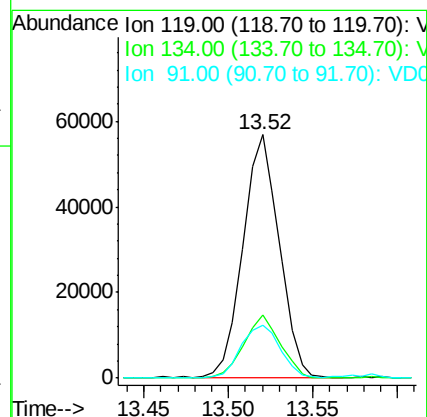
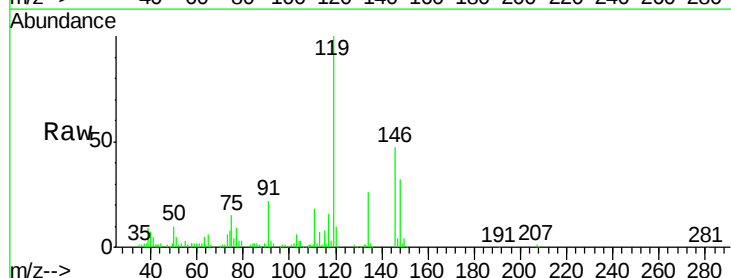
Tgt Ion:119 Resp: 85475

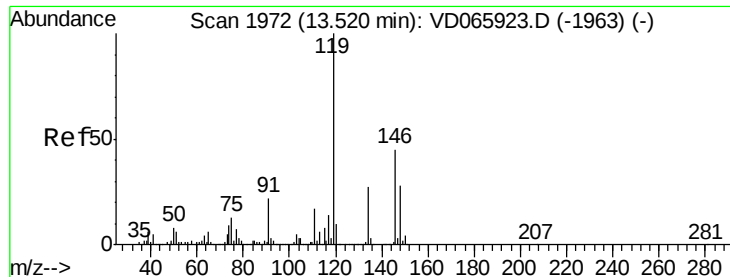
Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.1

91 23.6 11.3 33.8





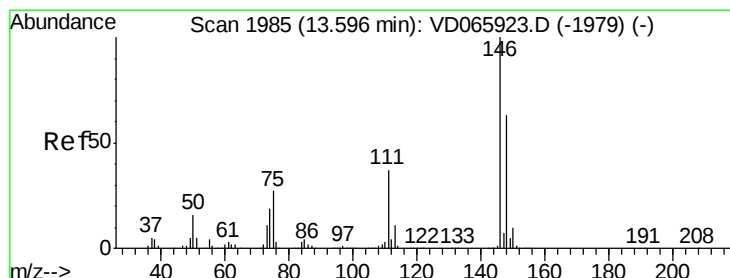
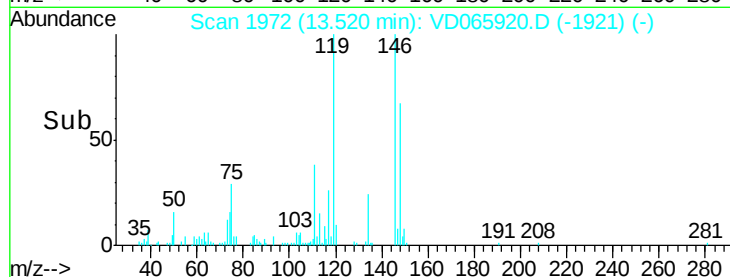
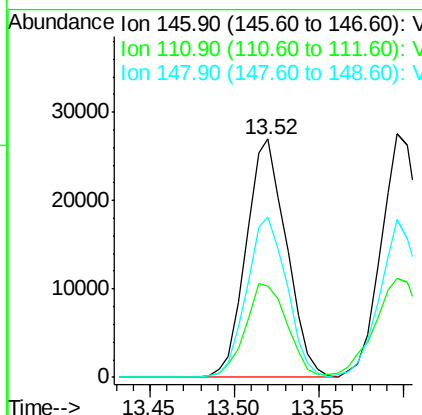
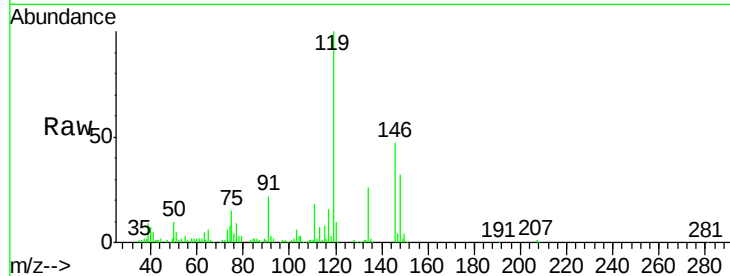
#87
 1,3-Dichlorobenzene
 Concen: 4.915 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.3	57.8
148	66.8	32.0	96.0

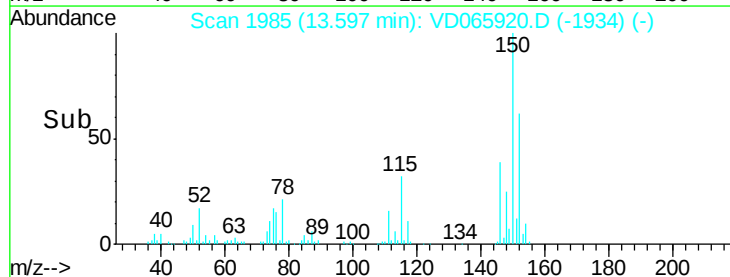
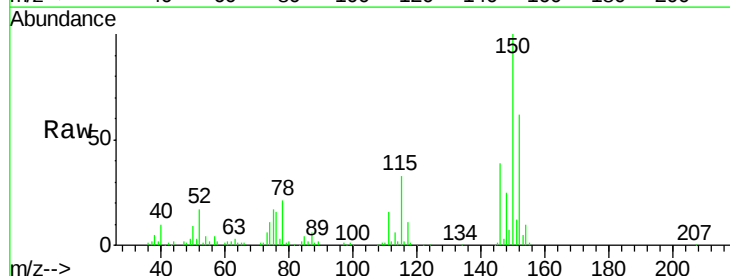
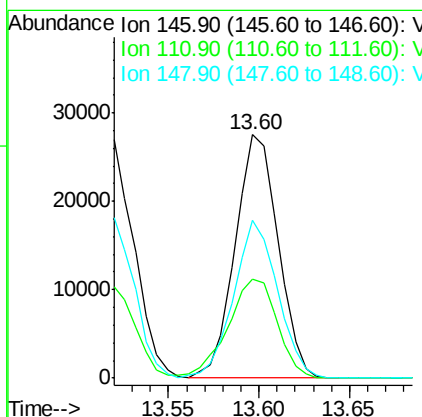
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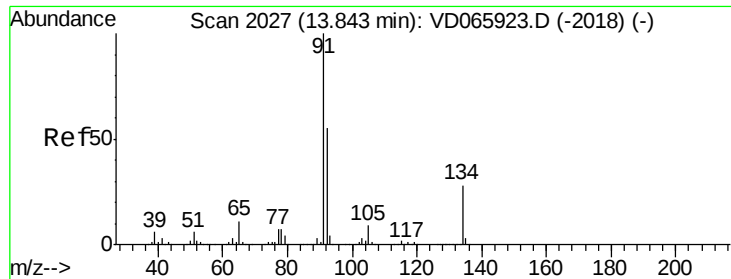
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#88
 1,4-Dichlorobenzene
 Concen: 5.017 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	18.9	56.7
148	66.0	32.1	96.3





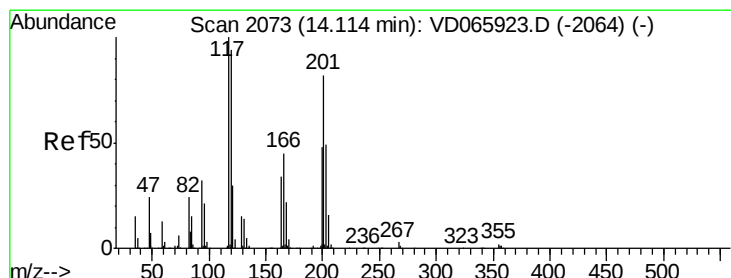
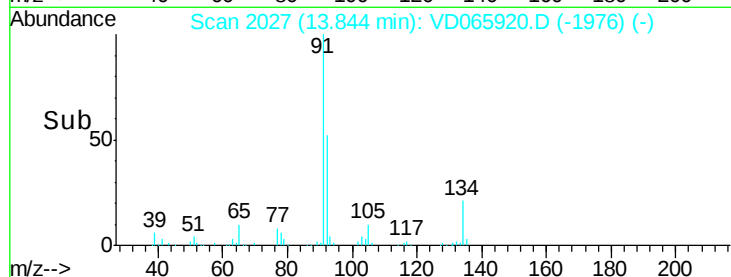
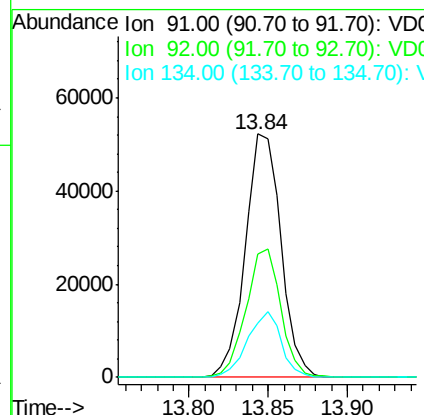
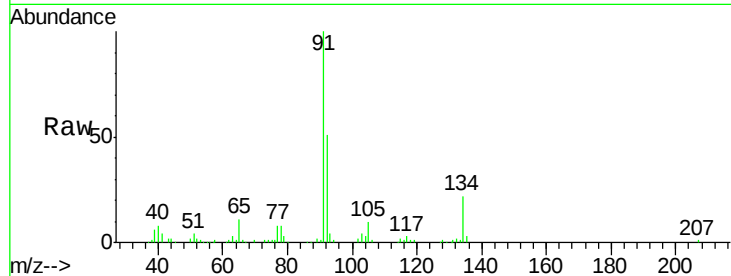
#89
n-Butylbenzene
Concen: 4.798 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	27.2	81.6
134	25.5	13.8	41.3

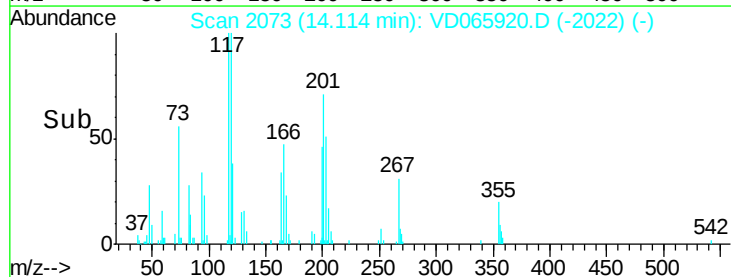
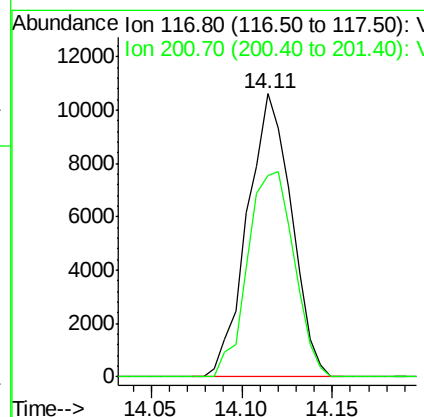
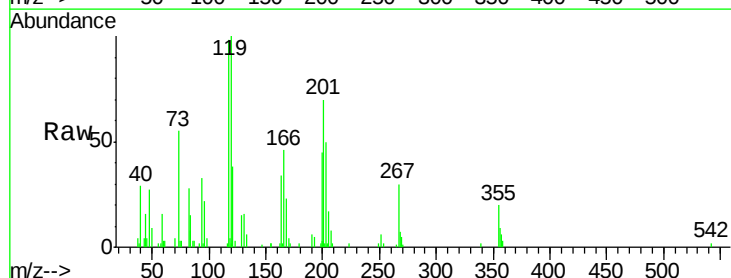
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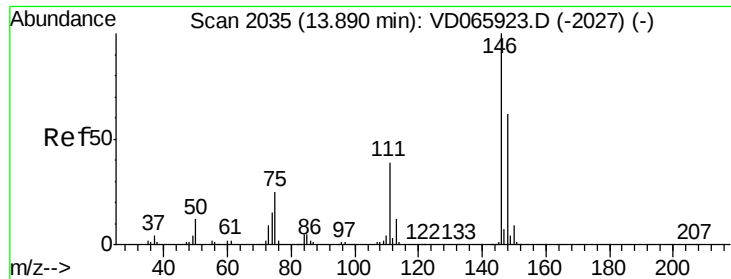
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#90
Hexachloroethane
Concen: 4.939 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	40.0	120.0





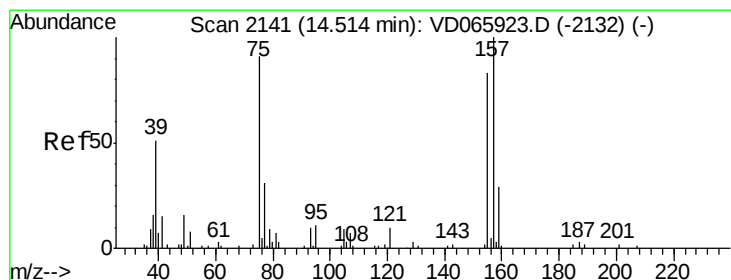
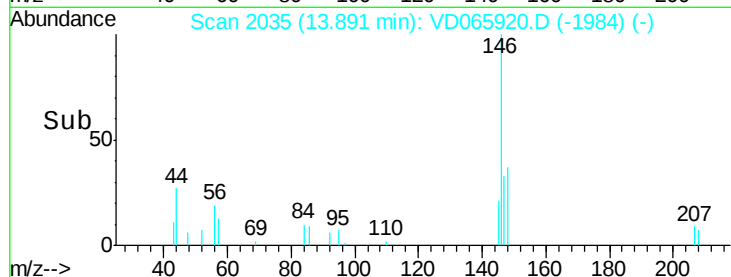
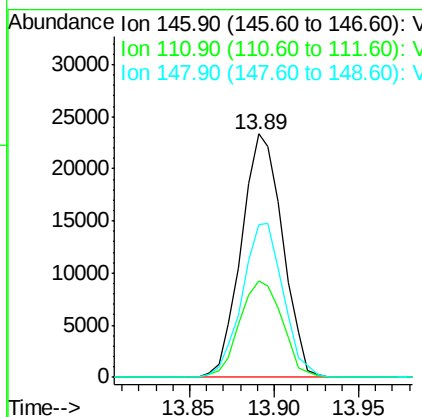
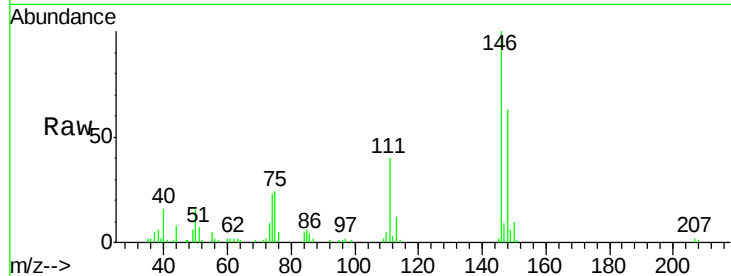
#91
 1,2-Dichlorobenzene
 Concen: 4.994 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.7	59.0
148	62.9	32.5	97.5

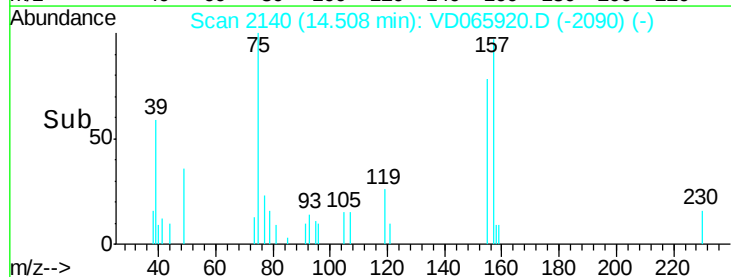
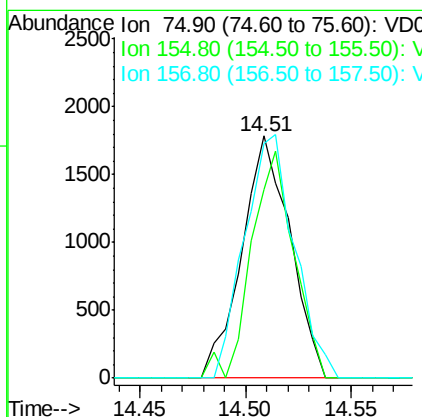
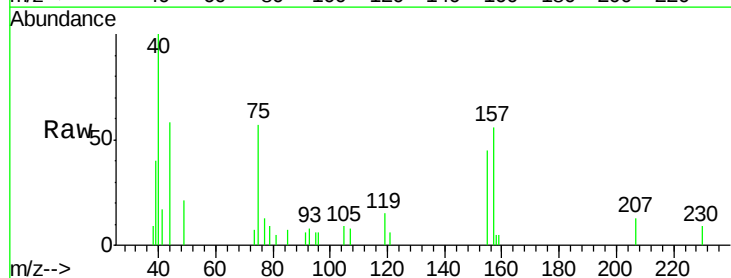
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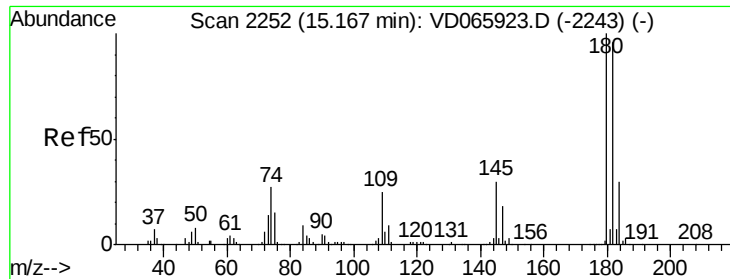
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.097 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	45.3	135.8
157	103.8	56.9	170.6





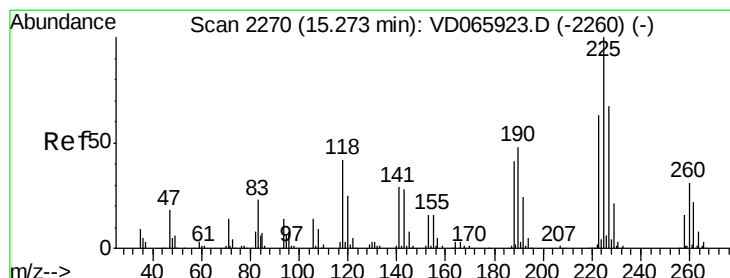
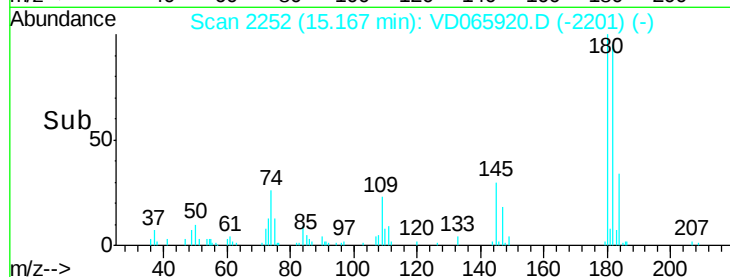
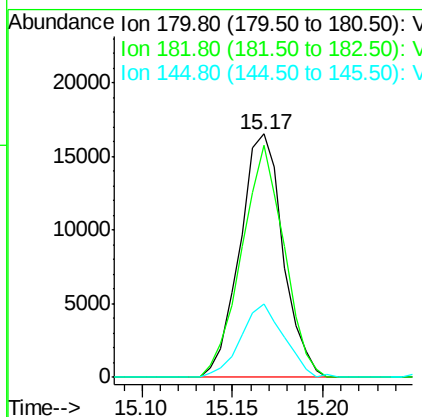
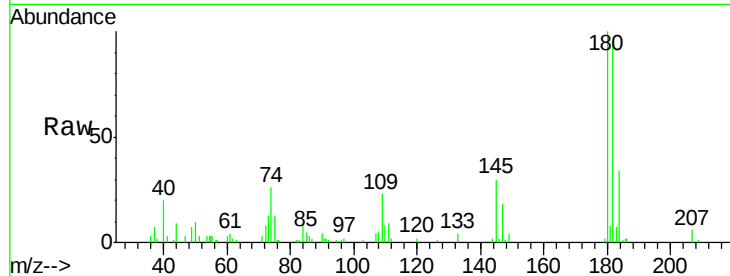
#93
 1,2,4-Trichlorobenzene
 Concen: 4.829 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.5	145.6
145	30.2	15.0	45.1

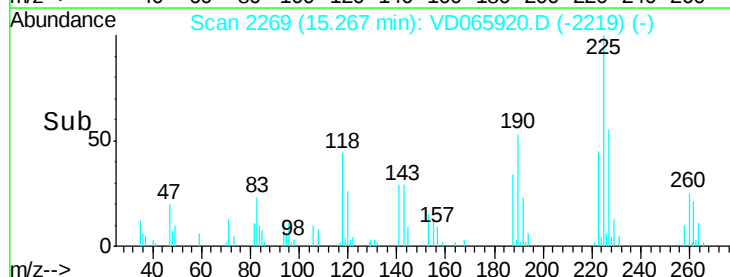
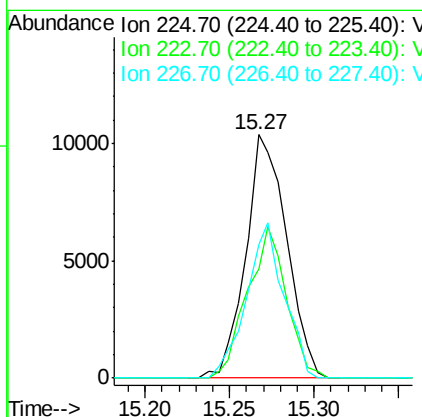
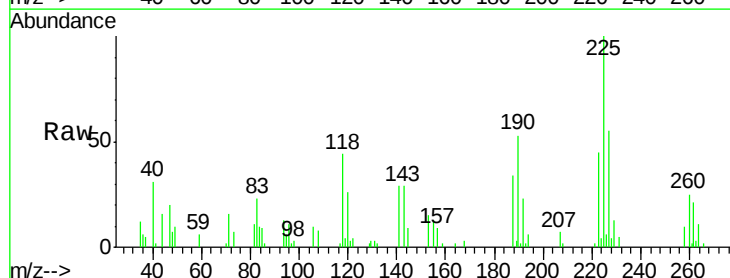
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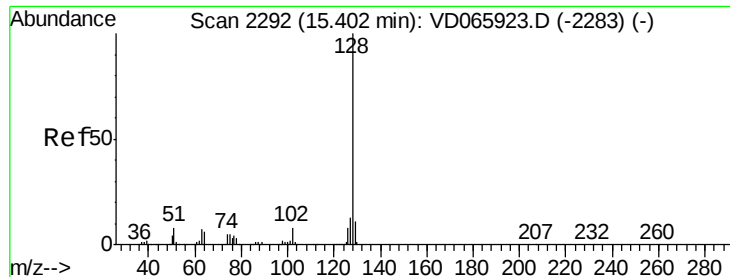
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#94
 Hexachlorobutadiene
 Concen: 5.101 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.1	93.2
227	59.0	31.6	95.0





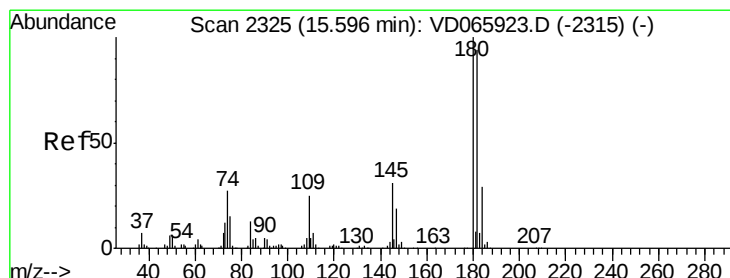
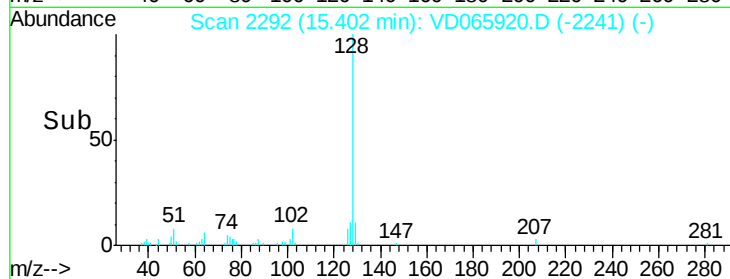
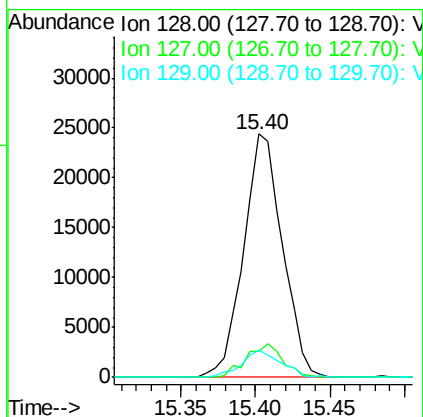
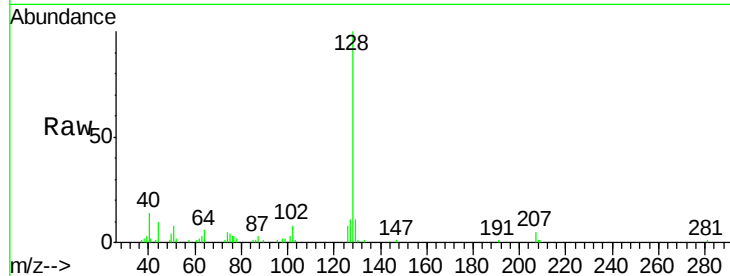
#95
Naphthalene
Concen: 4.624 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.745 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.6	142.8
145	33.2	16.1	48.2

