

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067057.D
 Acq On : 03 Oct 2020 02:26
 Operator : VA/SY
 Sample : L4247-03MSD
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Quant Time: Oct 03 06:50:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	605466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	117483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198130	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.91	113	213682	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.34	98	650730	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.63	95	167225	34.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	164743	58.371	ug/l	96
3) Chloromethane	2.21	50	173278	61.180	ug/l	100
4) Vinyl Chloride	2.35	62	166868	58.758	ug/l	97
5) Bromomethane	2.77	94	121297	67.805	ug/l	96
6) Chloroethane	2.93	64	102029	58.993	ug/l	92
7) Trichlorofluoromethane	3.27	101	294422	46.663	ug/l	94
8) Diethyl Ether	3.71	74	101301	64.744	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	133595	37.460	ug/l	97
10) Methyl Iodide	4.30	142	218718	63.118	ug/l	98
11) Tert butyl alcohol	5.23	59	55144	280.631	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	175371	52.310	ug/l	99
13) Acrolein	3.93	56	30206	131.689	ug/l	97
14) Allyl chloride	4.71	41	266886	61.279	ug/l	97
15) Acrylonitrile	5.42	53	177071	307.489	ug/l	97
16) Acetone	4.16	43	165630	316.745	ug/l	99
17) Carbon Disulfide	4.41	76	522328	50.767	ug/l	97
18) Methyl Acetate	4.71	43	196076	149.191	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	395254	64.582	ug/l	99
20) Methylene Chloride	4.96	84	244003	68.439	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219614	57.560	ug/l	96
22) Diisopropyl ether	6.36	45	520232	65.428	ug/l	97
23) Vinyl Acetate	6.31	43	720379	159.883	ug/l	100
24) 1,1-Dichloroethane	6.27	63	366420	59.713	ug/l	99
25) 2-Butanone	7.21	43	217120	292.863	ug/l	96
26) 2,2-Dichloropropane	7.21	77	259037	49.310	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	241595	59.290	ug/l	97
28) Bromochloromethane	7.55	49	145380	61.348	ug/l	97
29) Tetrahydrofuran	7.56	42	131345	308.118	ug/l	97
30) Chloroform	7.71	83	382295	57.431	ug/l	99
31) Cyclohexane	7.98	56	133632	25.976	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	298904	48.452	ug/l	99
36) 1,1-Dichloropropene	8.11	75	223516	39.605	ug/l	98
37) Ethyl Acetate	7.30	43	77109	39.440	ug/l	98
38) Carbon Tetrachloride	8.09	117	233715	38.274	ug/l	96

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

39) Methylcyclohexane	9.35	83	149137	24.995	ug/l	95
40) Benzene	8.35	78	788624	50.309	ug/l	100
41) Methacrylonitrile	7.52	41	61992	58.692	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	233112	53.219	ug/l	99
43) Isopropyl Acetate	8.45	43	159596	44.311	ug/l	95
44) Trichloroethene	9.11	130	202267	43.212	ug/l	99
45) 1,2-Dichloropropane	9.38	63	196160	53.259	ug/l	96
46) Dibromomethane	9.47	93	112473	53.131	ug/l	98
47) Bromodichloromethane	9.66	83	276107	50.176	ug/l	99
48) Methyl methacrylate	9.46	41	113619	61.575	ug/l	92
49) 1,4-Dioxane	9.46	88	25448	1151.831	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	506551	282.357	ug/l	100
52) Toluene	10.40	92	453898	44.951	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	242172	49.242	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	295958	49.282	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	202030	68.645	ug/l	98
56) Ethyl methacrylate	10.66	69	180355	59.355	ug/l	95
57) 1,3-Dichloropropane	10.94	76	243297	50.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	470883	278.427	ug/l	100
59) 2-Hexanone	10.98	43	386896	323.114	ug/l	91
60) Dibromochloromethane	11.14	129	184177	46.952	ug/l	96
61) 1,2-Dibromoethane	11.24	107	145906	51.602	ug/l	96
64) Tetrachloroethene	10.87	164	134478	41.885	ug/l	96
65) Chlorobenzene	11.67	112	416723	47.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	173362	51.888	ug/l	100
67) Ethyl Benzene	11.74	91	641495	42.626	ug/l	97
68) m/p-Xylenes	11.85	106	519155	88.518	ug/l	100
69) o-Xylene	12.18	106	306114	58.366	ug/l	96
70) Styrene	12.20	104	412362	45.787	ug/l	99
71) Bromoform	12.36	173	91545	52.785	ug/l #	99
73) Isopropylbenzene	12.48	105	410932	51.513	ug/l	100
74) N-amyl acetate	12.28	43	209318	145.963	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.73	83	123455	91.853	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	163866	160.132	ug/l #	100
77) Bromobenzene	12.76	156	141869	73.652	ug/l	93
78) n-propylbenzene	12.82	91	393193	41.706	ug/l	100
79) 2-Chlorotoluene	12.91	91	375930	69.694	ug/l	86
80) 1,3,5-Trimethylbenzene	12.96	105	808634	119.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40393	98.410	ug/l	96
82) 4-Chlorotoluene	13.01	91	306559	53.417	ug/l	98
83) tert-Butylbenzene	13.23	119	217896	38.392	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	618301	91.925	ug/l	100
85) sec-Butylbenzene	13.40	105	269078	33.666	ug/l	97
86) p-Isopropyltoluene	13.52	119	311398	42.023	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	167236	44.573	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	176153	46.955	ug/l	94
89) n-Butylbenzene	13.85	91	161537	23.853	ug/l #	79
90) Hexachloroethane	14.13	117	73406	56.553	ug/l #	49
91) 1,2-Dichlorobenzene	13.89	146	155459	47.444	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21753	100.402	ug/l	89

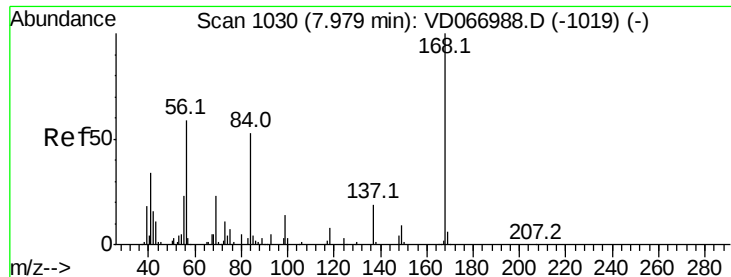
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	42908	20.245	ug/l #	42
94) Hexachlorobutadiene	15.28	225	12902	9.912	ug/l	96
95) Naphthalene	15.41	128	458925	129.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	39950	21.713	ug/l #	51

(#) = 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: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

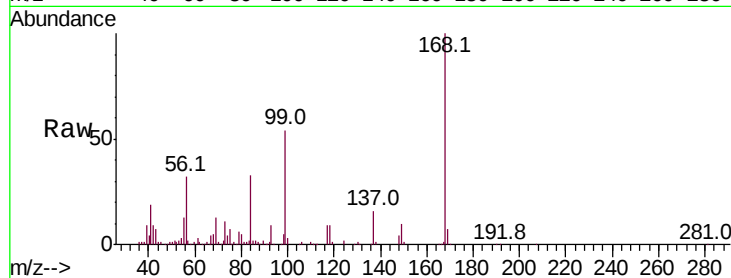
B-18(0-1)MSD

Tot Ion:168 Resp: 355645

Ion Ratio Lower Upper

168 100

99 53.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

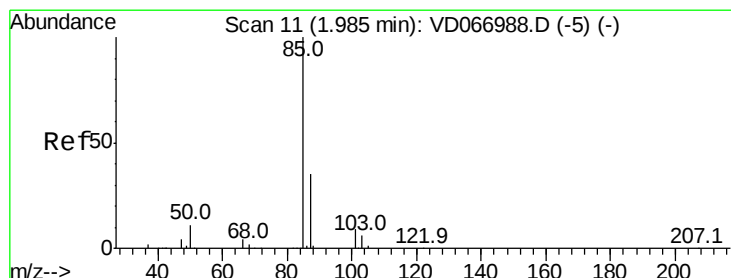
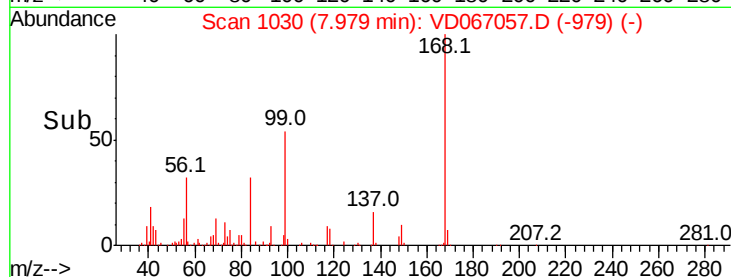
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 58.371 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067057.D

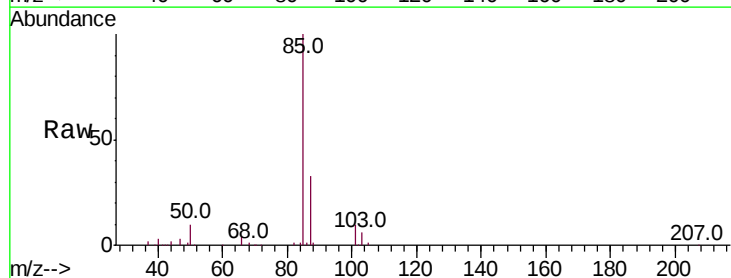
Acq: 03 Oct 2020 02:26

Tgt Ion: 85 Resp: 164743

Ion Ratio Lower Upper

85 100

87 32.5 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

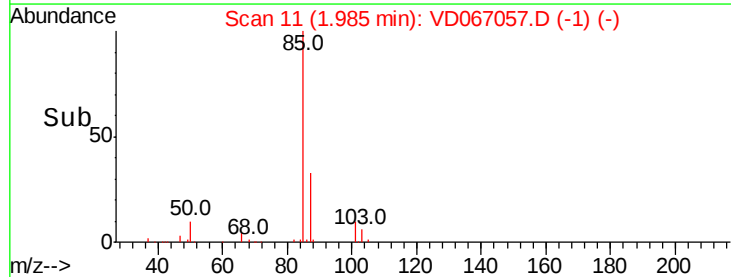
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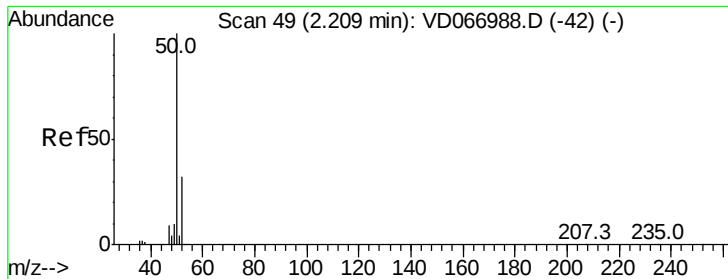
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 61.180 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

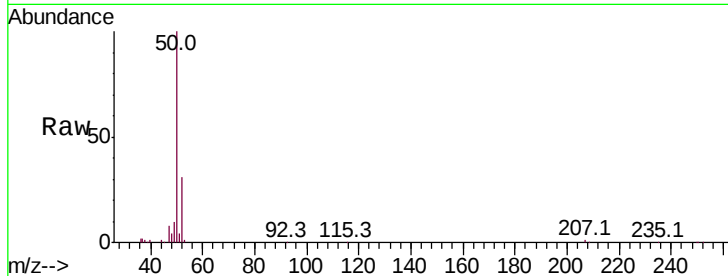
B-18(0-1)MSD

Tot Ion: 50 Resp: 173278

Ion Ratio Lower Upper

50 100

52 31.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

150000

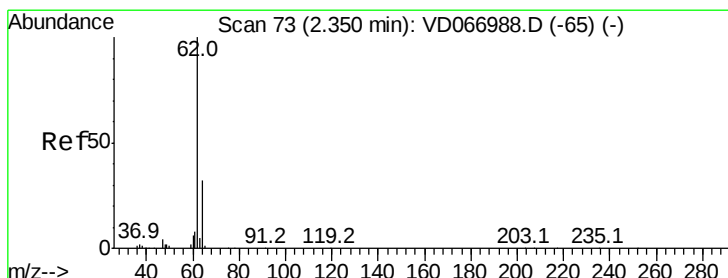
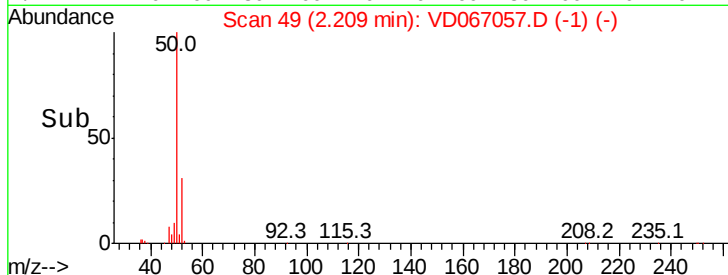
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 58.758 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067057.D

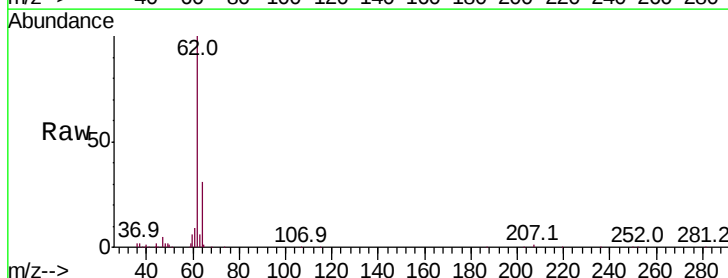
Acq: 03 Oct 2020 02:26

Tgt Ion: 62 Resp: 166868

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

120000

100000

80000

60000

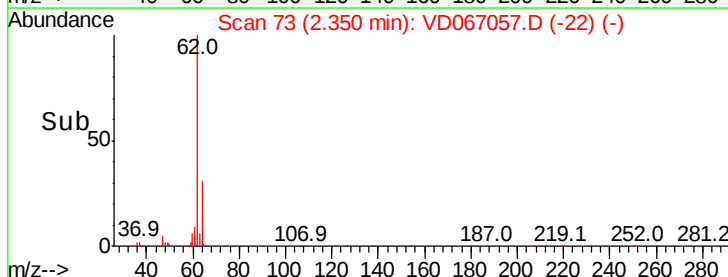
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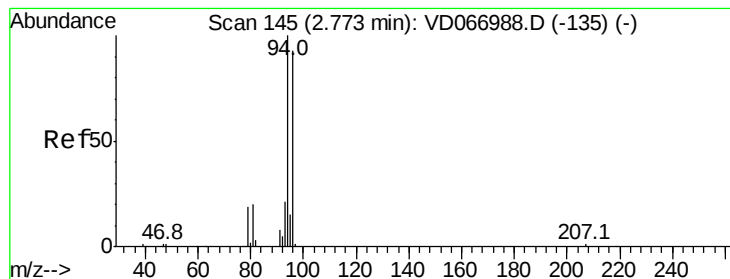
20000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 67.805 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

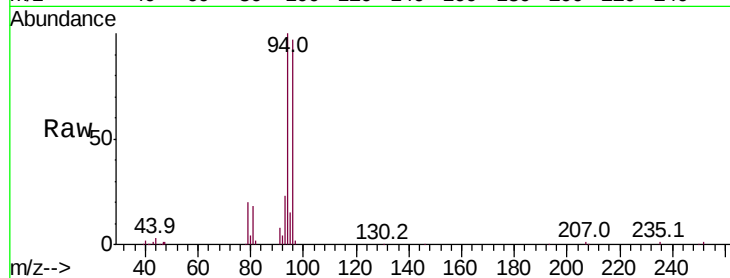
B-18(0-1)MSD

Tot Ion: 94 Resp: 121297

Ion Ratio Lower Upper

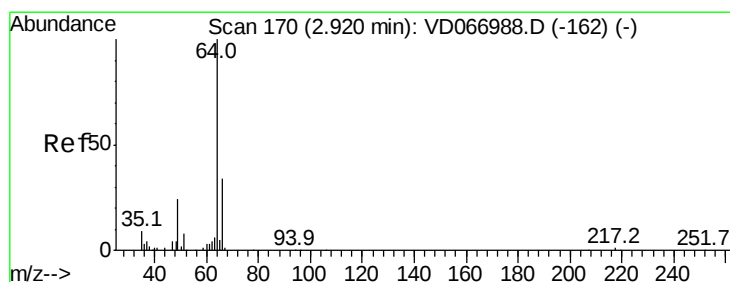
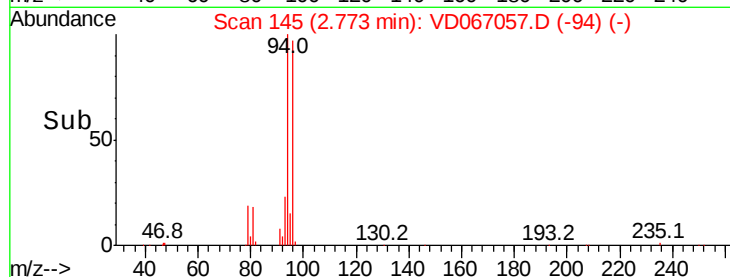
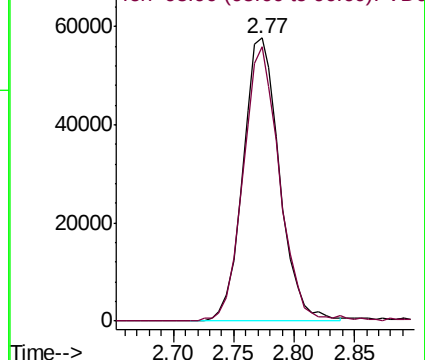
94 100

96 96.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.993 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067057.D

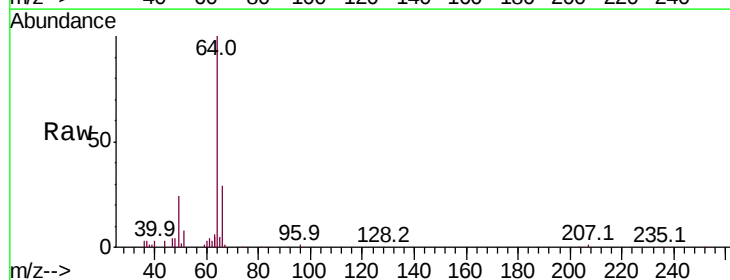
Acq: 03 Oct 2020 02:26

Tgt Ion: 64 Resp: 102029

Ion Ratio Lower Upper

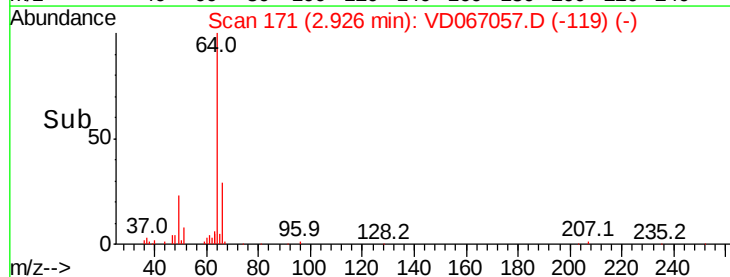
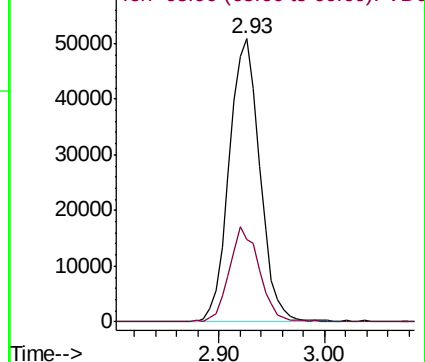
64 100

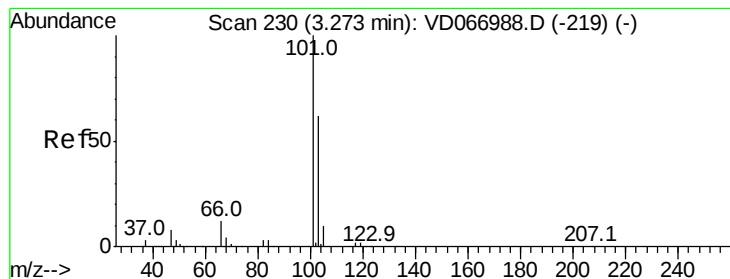
66 29.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



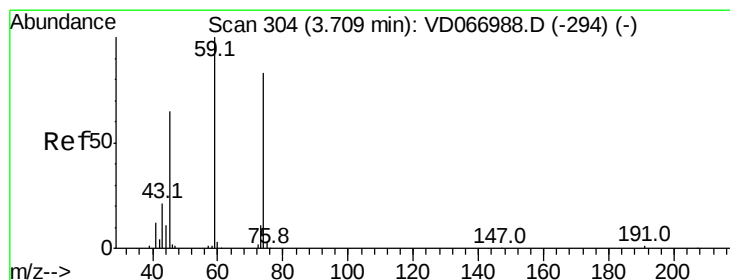
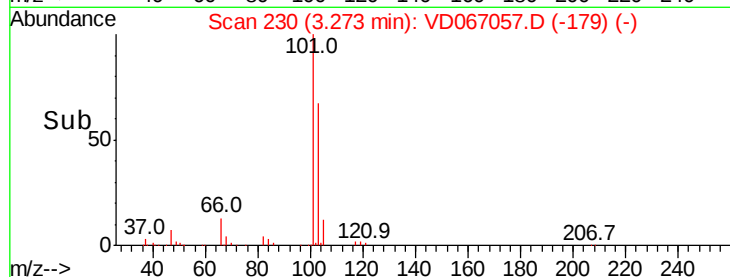
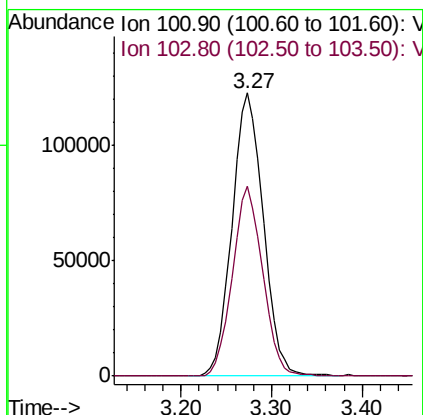
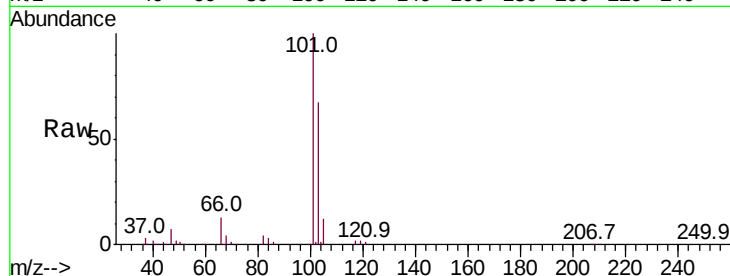


#7

Trichlorofluoromethane
 Concen: 46.663 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067057.D
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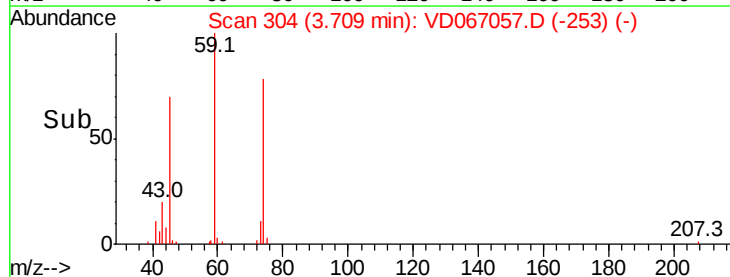
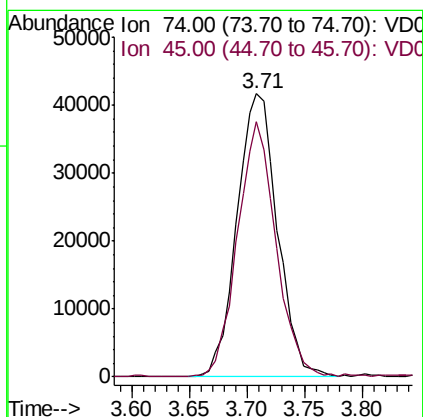
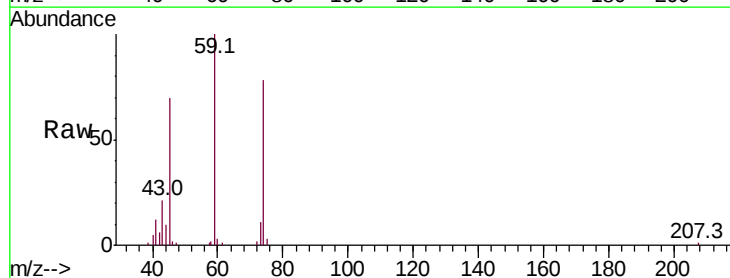
Tot Ion:101 Resp: 294422
 Ion Ratio Lower Upper
 101 100
 103 67.3 49.8 74.8

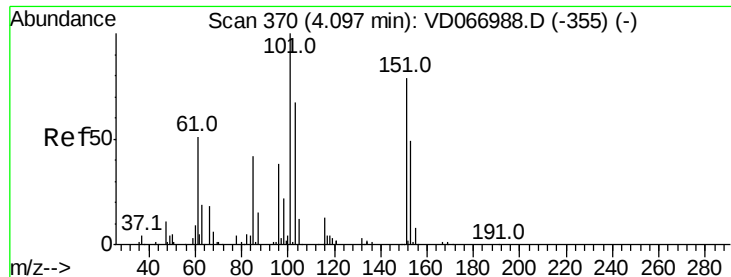


#8

Diethyl Ether
 Concen: 64.744 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion: 74 Resp: 101301
 Ion Ratio Lower Upper
 74 100
 45 85.8 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.460 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

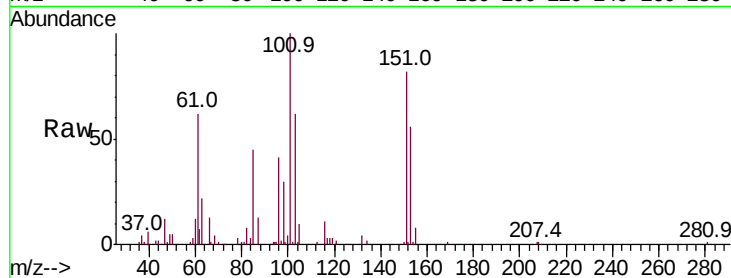
Tot Ion:101 Resp: 133595

Ion Ratio Lower Upper

101 100

85 43.6 33.8 50.8

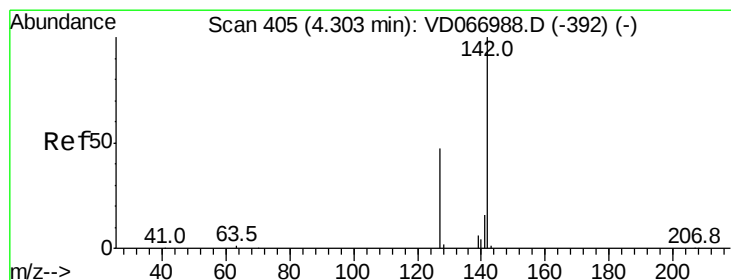
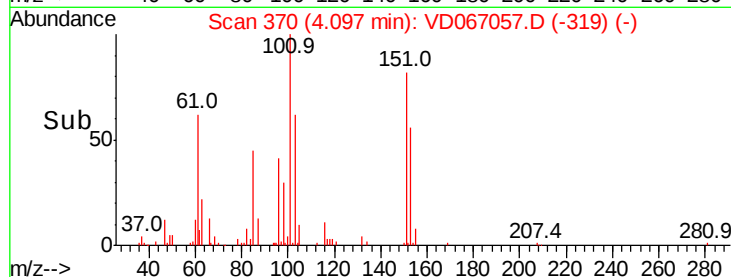
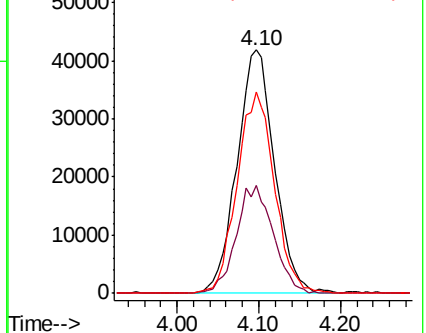
151 82.3 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 63.118 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

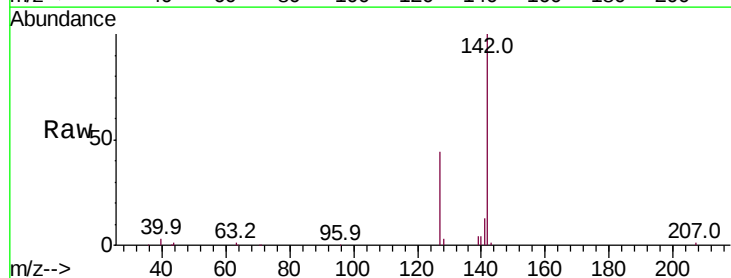
Tgt Ion:142 Resp: 218718

Ion Ratio Lower Upper

142 100

127 43.5 36.3 54.5

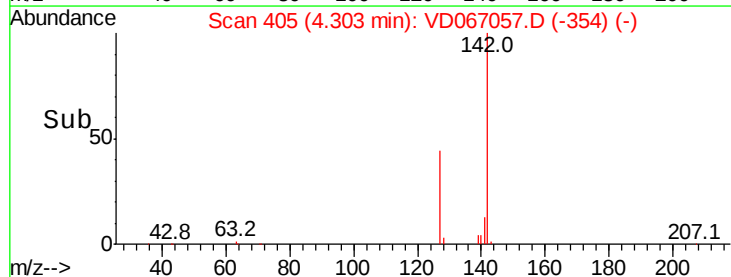
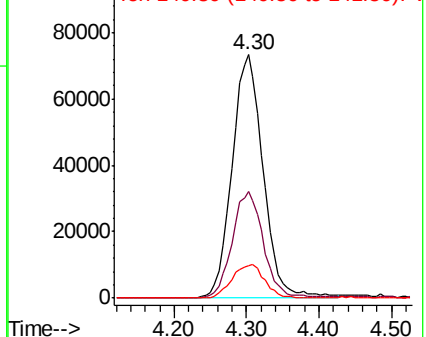
141 14.5 12.0 18.0

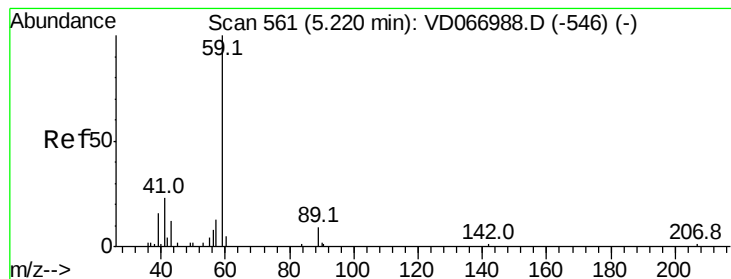


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 280.631 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

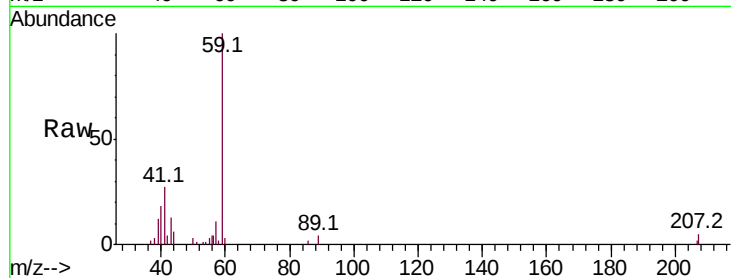
B-18(0-1)MSD

Tot Ion: 59 Resp: 55144

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

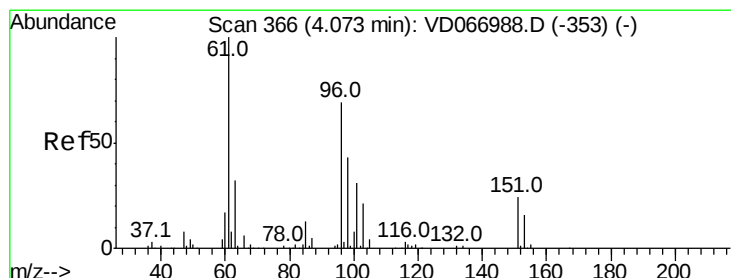
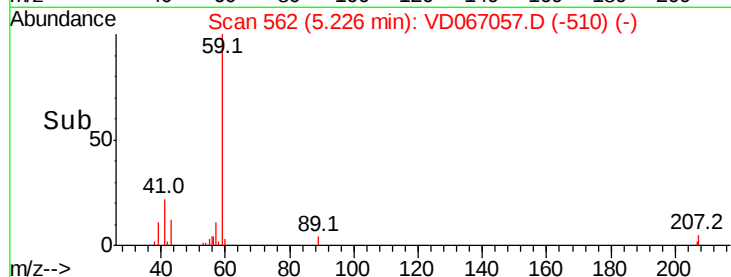
15000

10000

5000

0

Time--> 5.00 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 52.310 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

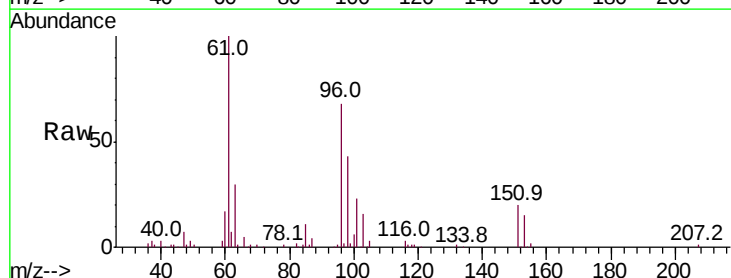
Tgt Ion: 96 Resp: 175371

Ion Ratio Lower Upper

96 100

61 146.3 116.4 174.6

98 62.6 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

120000

100000

80000

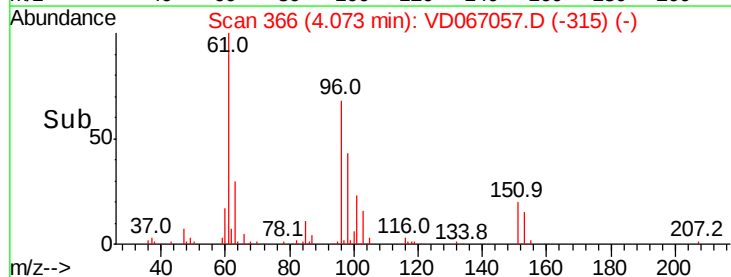
60000

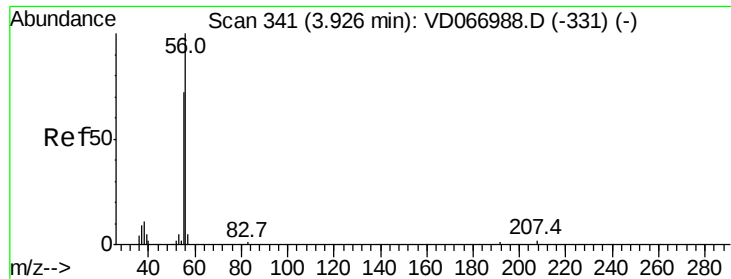
40000

20000

0

Time--> 3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 131.689 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

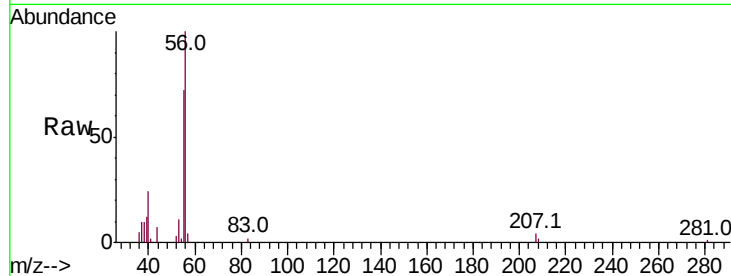
B-18(0-1)MSD

Tot Ion: 56 Resp: 30206

Ion Ratio Lower Upper

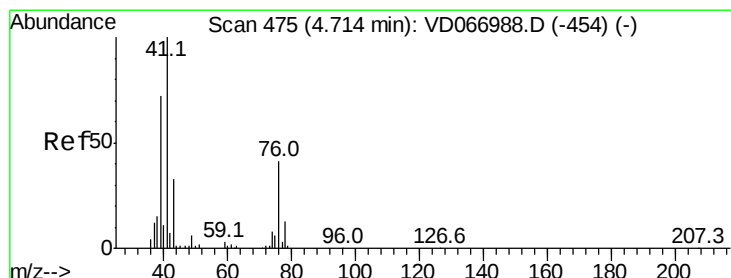
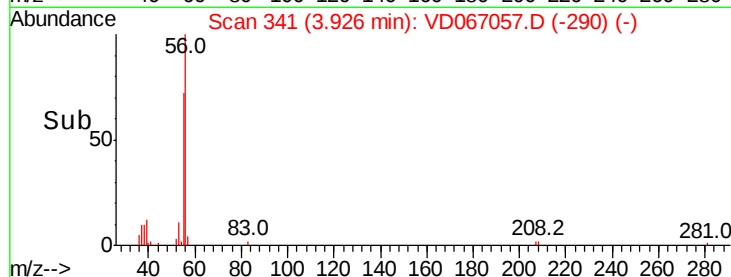
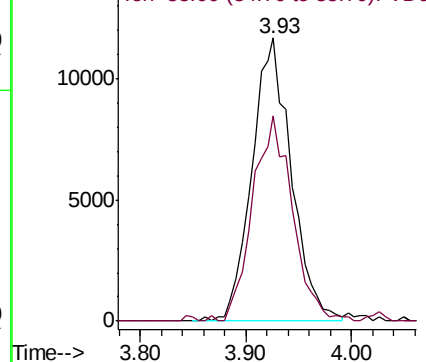
56 100

55 73.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 61.279 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

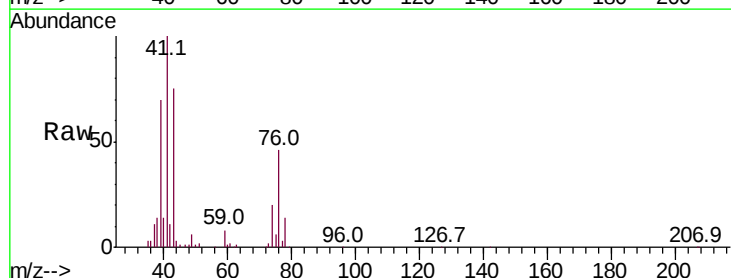
Tgt Ion: 41 Resp: 266886

Ion Ratio Lower Upper

41 100

39 67.3 56.2 84.2

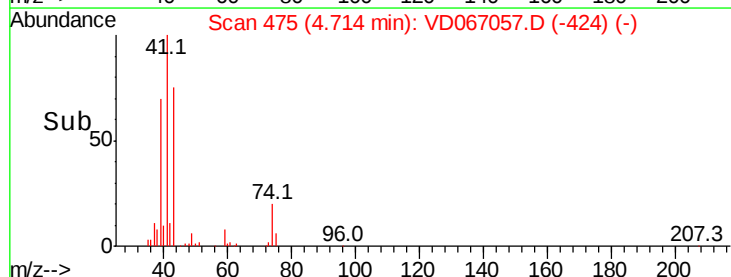
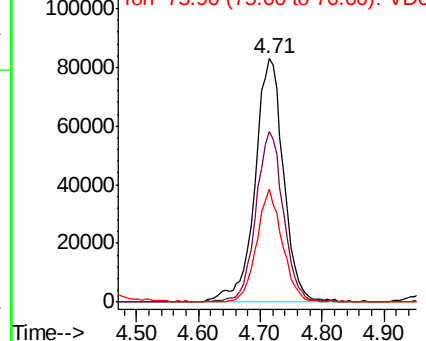
76 41.4 34.2 51.2

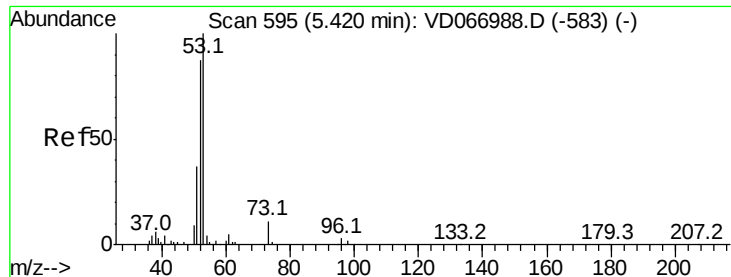


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 307.489 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

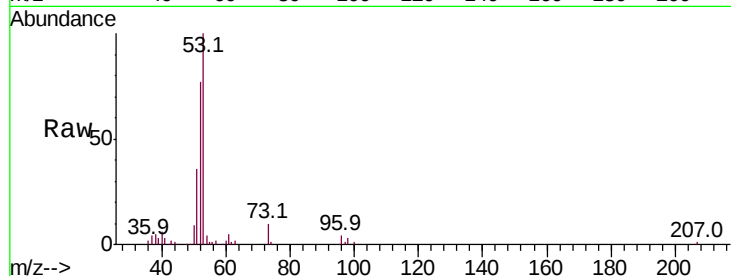
MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 53 Resp: 177071

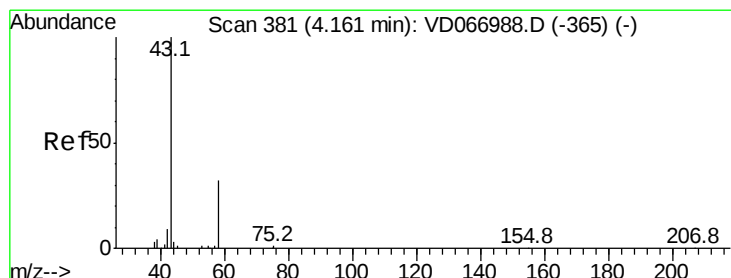
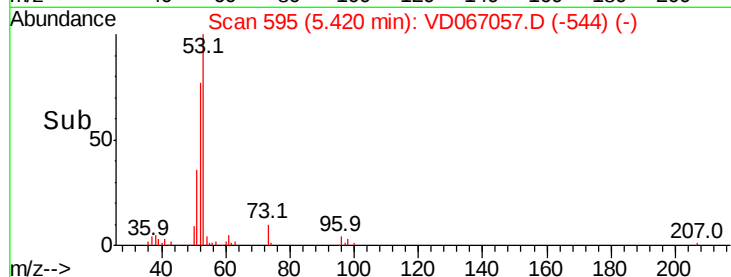
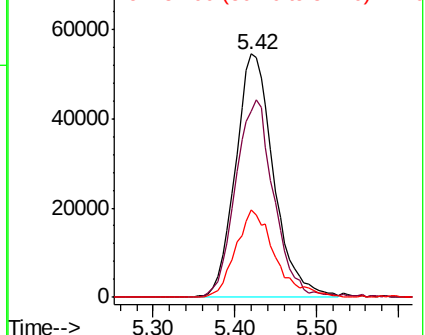
Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.3	100.9
51	37.1	30.2	45.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 316.745 ug/l

RT: 4.16 min Scan# 380

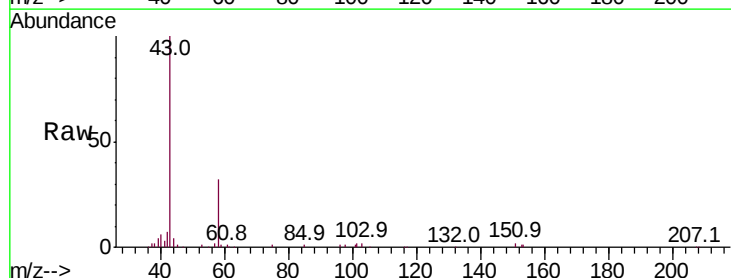
Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

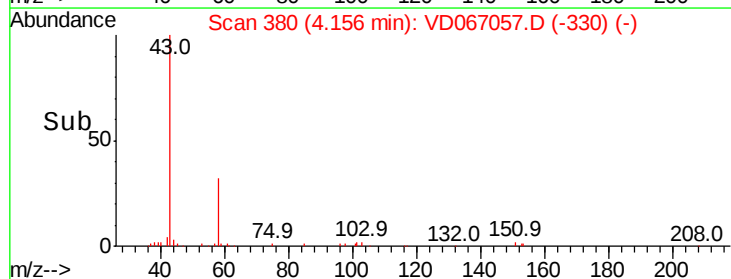
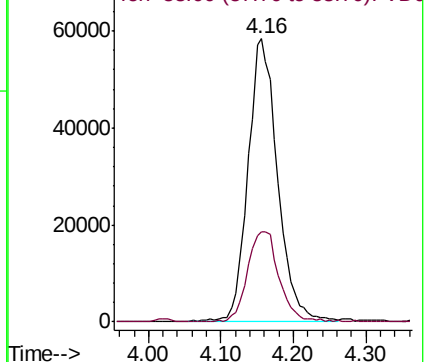
Tgt Ion: 43 Resp: 165630

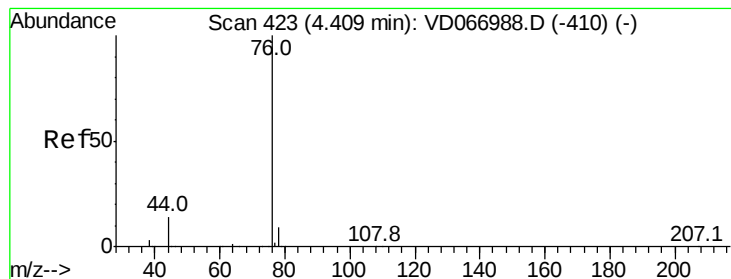
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.9	38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 50.767 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

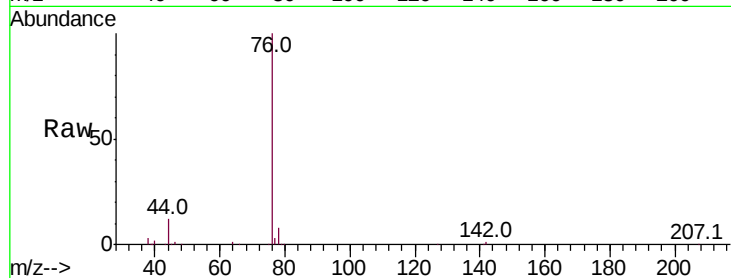
B-18(0-1)MSD

Tot Ion: 76 Resp: 522328

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

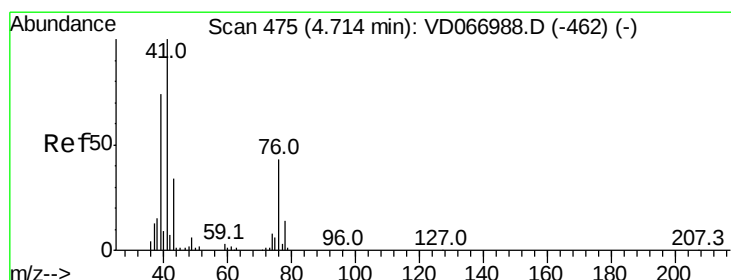
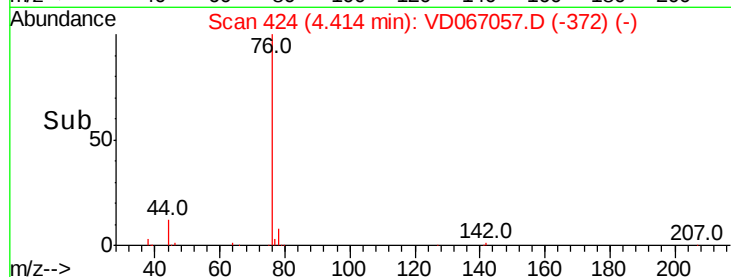
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 149.191 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067057.D

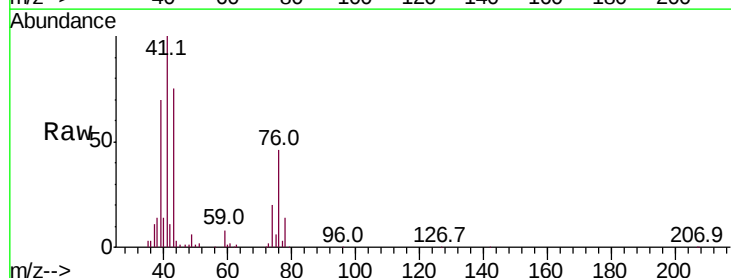
Acq: 03 Oct 2020 02:26

Tgt Ion: 43 Resp: 196076

Ion Ratio Lower Upper

43 100

74 27.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

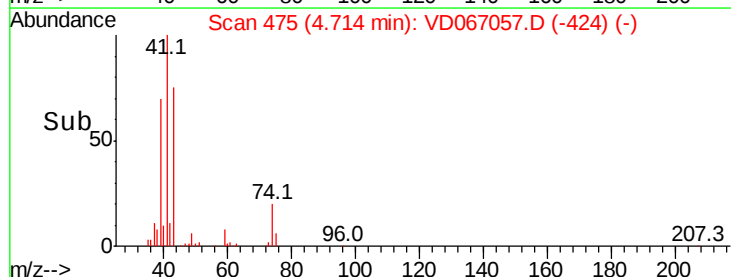
60000

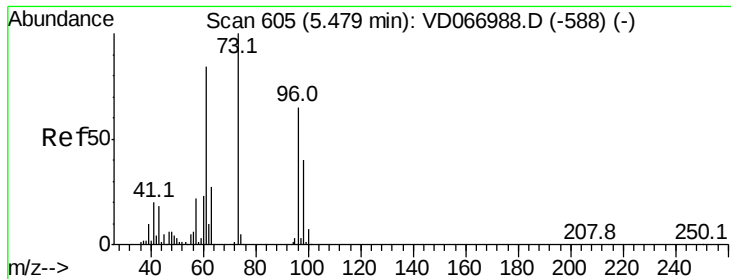
40000

20000

0

Time-->

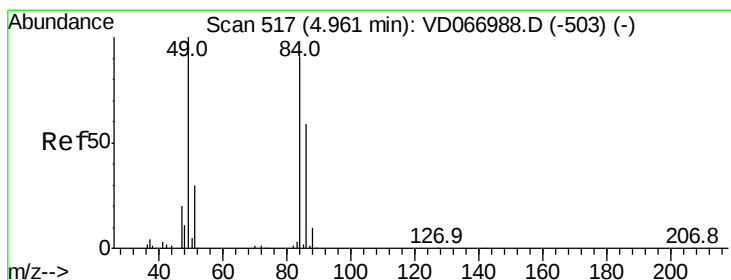
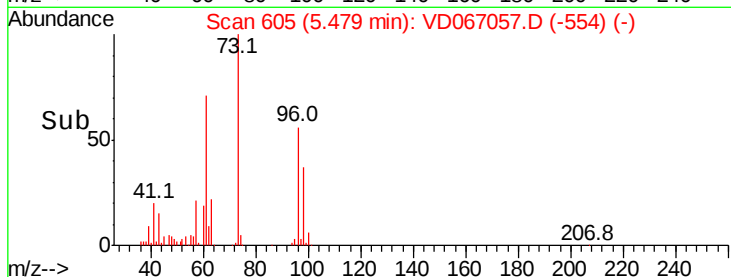
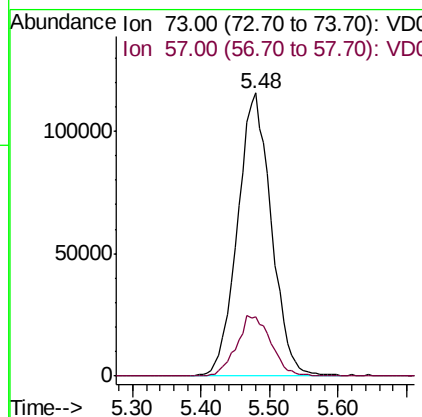
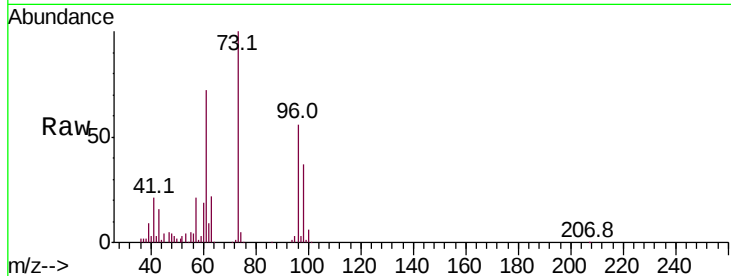




#19
Methvl tert-butvl Ether
Concen: 64.582 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

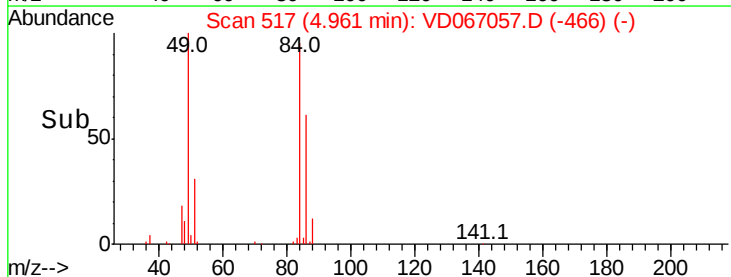
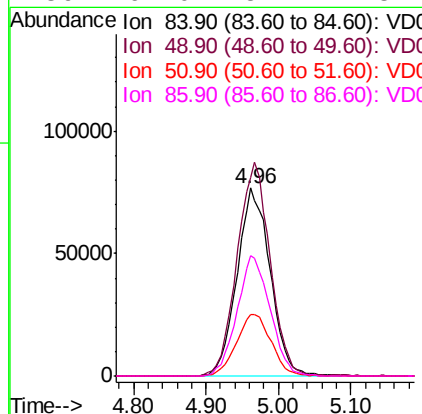
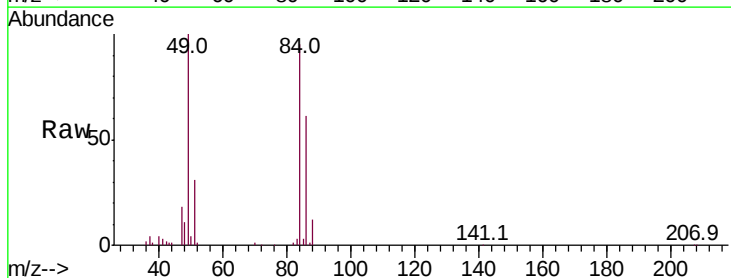
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

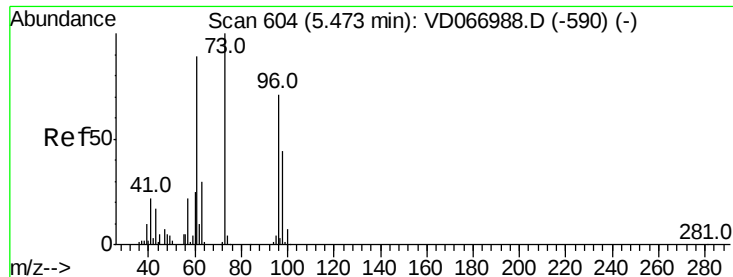
Tot Ion: 73 Resp: 395254
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0



#20
Methylene Chloride
Concen: 68.439 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 84 Resp: 244003
Ion Ratio Lower Upper
84 100
49 105.1 88.2 132.2
51 32.5 26.6 39.8
86 64.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 57.560 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

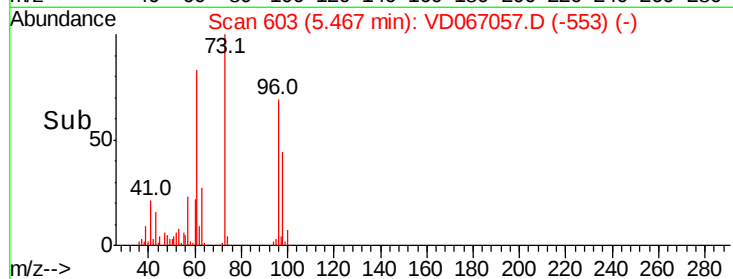
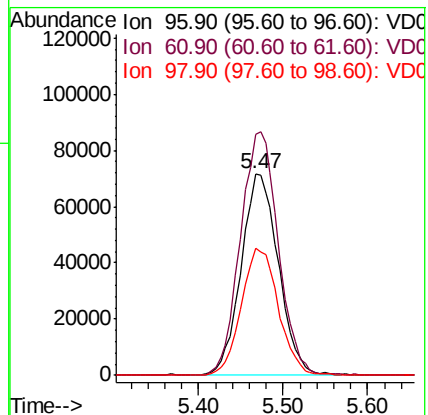
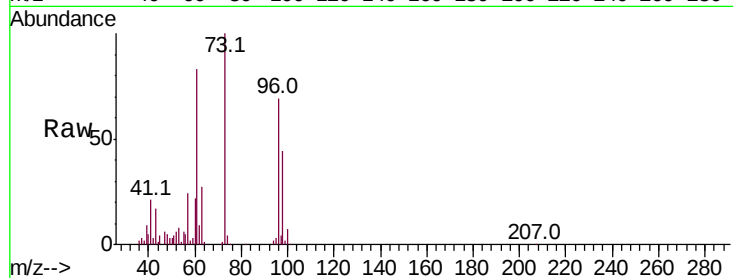
Tot Ion: 96 Resp: 219614

Ion Ratio Lower Upper

96 100

61 119.4 99.6 149.4

98 62.9 49.4 74.2



#22

Diisopropyl ether

Concen: 65.428 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion: 45 Resp: 520232

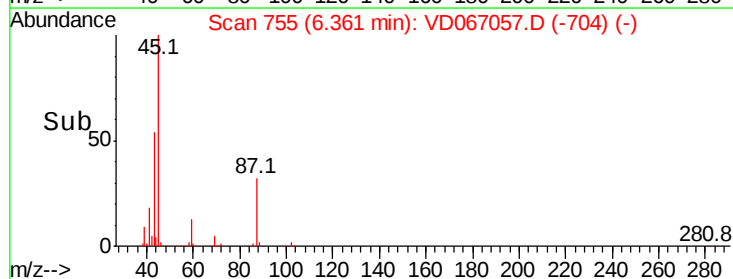
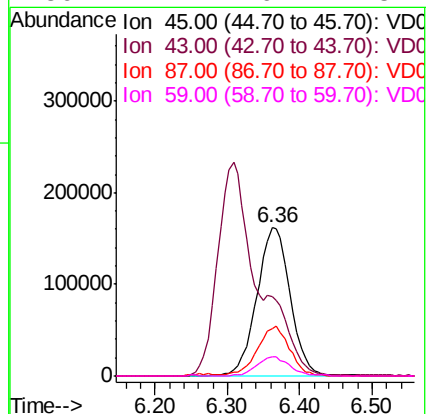
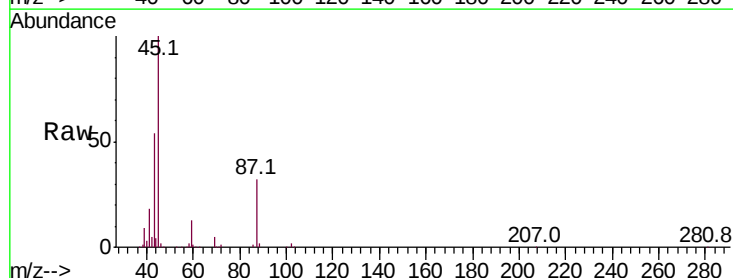
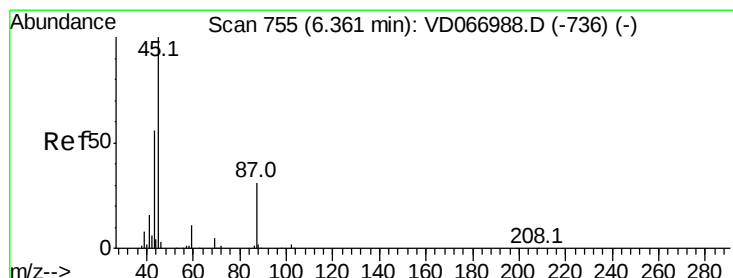
Ion Ratio Lower Upper

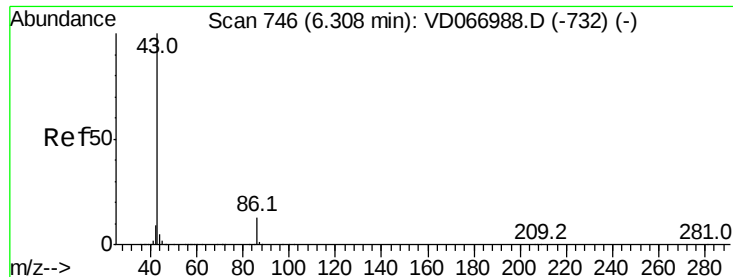
45 100

43 53.0 45.2 67.8

87 32.1 25.6 38.4

59 12.4 9.1 13.7





#23

Vinyl Acetate

Concen: 159.883 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

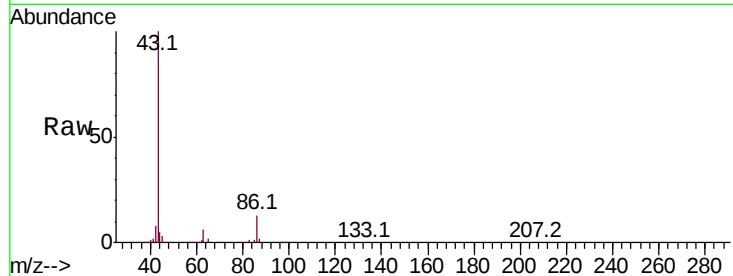
B-18(0-1)MSD

Tot Ion: 43 Resp: 720379

Ion Ratio Lower Upper

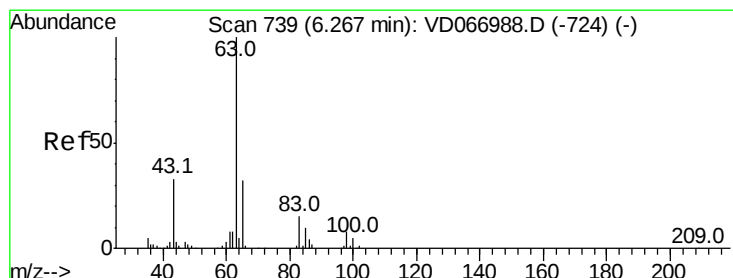
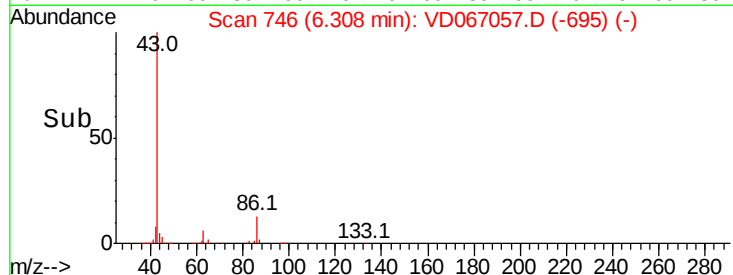
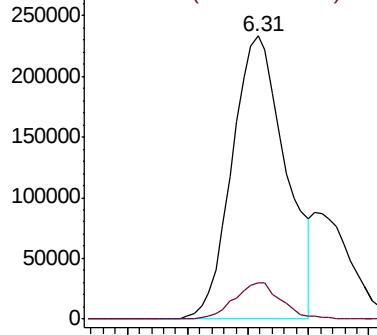
43 100

86 12.6 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.713 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

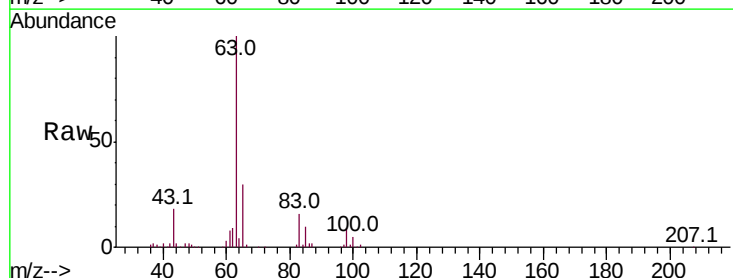
Tgt Ion: 63 Resp: 366420

Ion Ratio Lower Upper

63 100

98 8.9 4.2 12.6

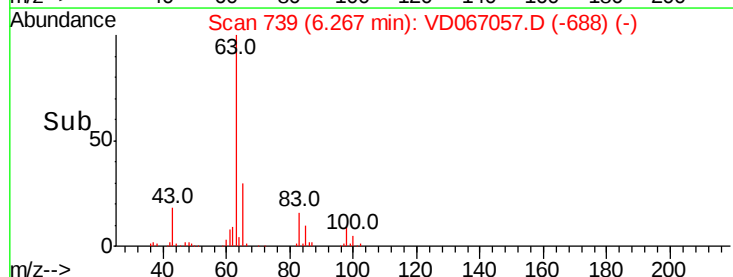
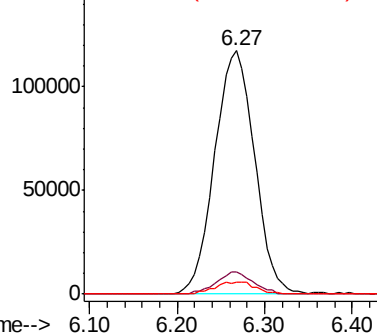
100 5.1 2.6 7.8

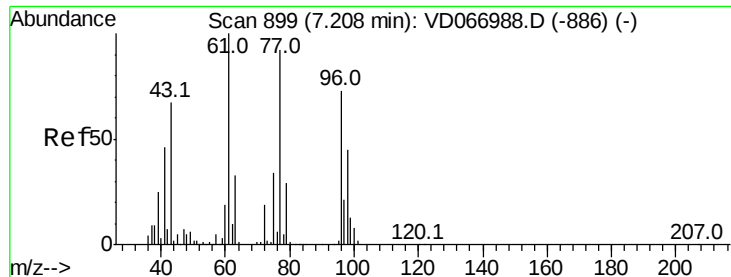


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 292.863 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

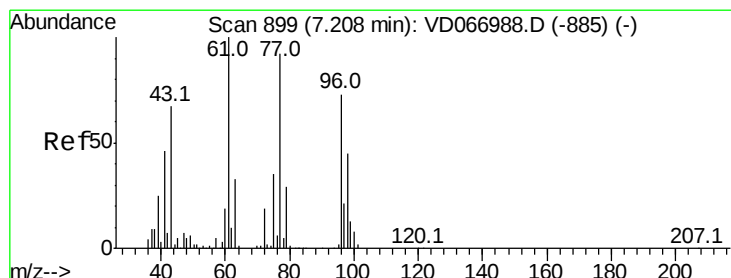
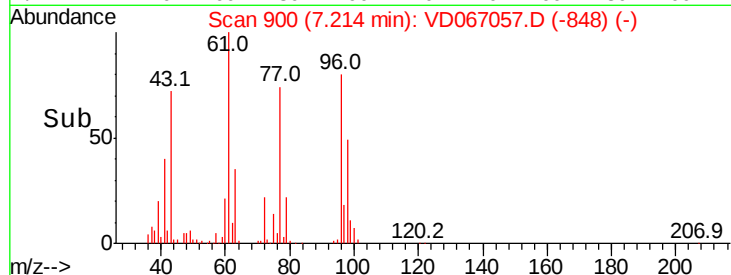
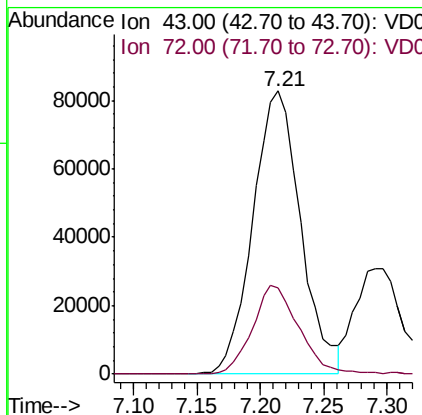
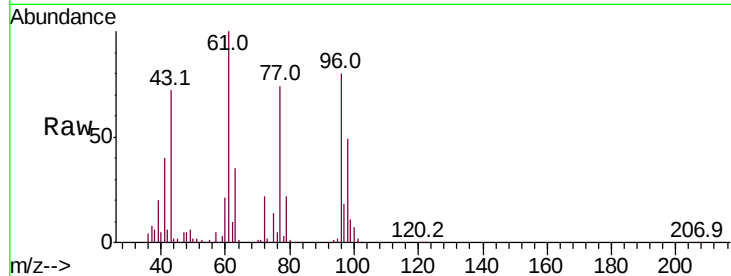
B-18(0-1)MSD

Tot Ion: 43 Resp: 217120

Ion Ratio Lower Upper

43 100

72 30.7 22.8 34.2



#26

2,2-Dichloropropane

Concen: 49.310 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067057.D

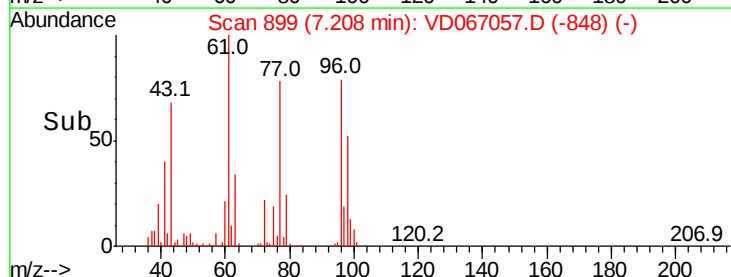
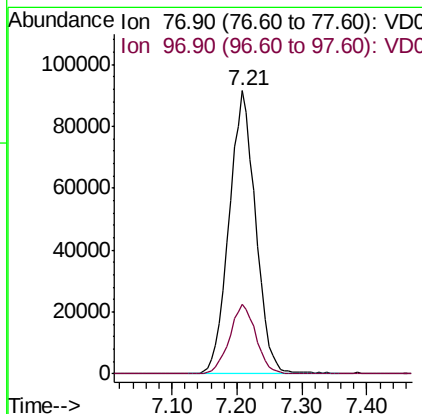
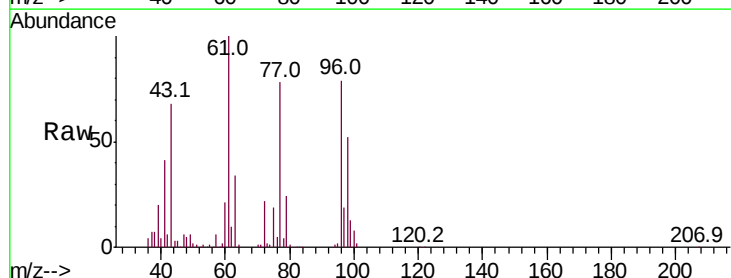
Acq: 03 Oct 2020 02:26

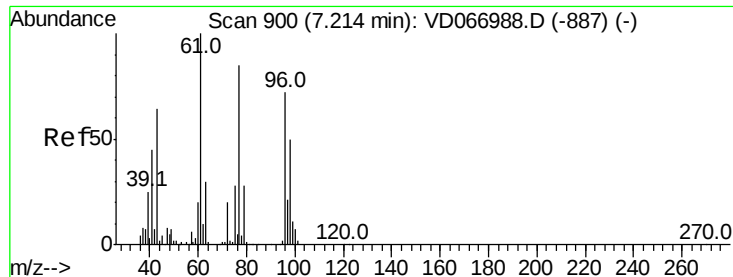
Tgt Ion: 77 Resp: 259037

Ion Ratio Lower Upper

77 100

97 24.4 11.4 34.2



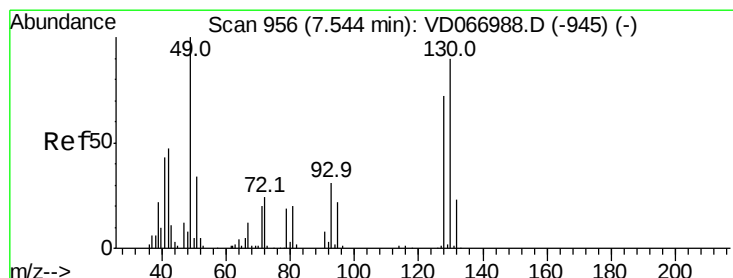
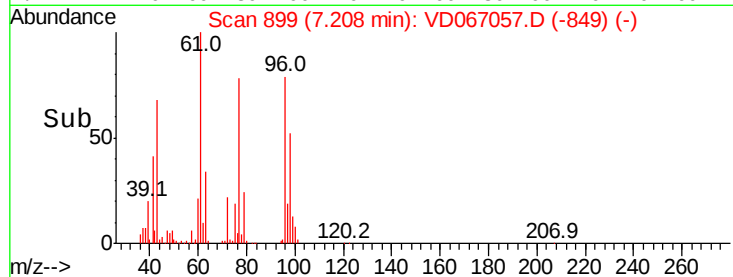
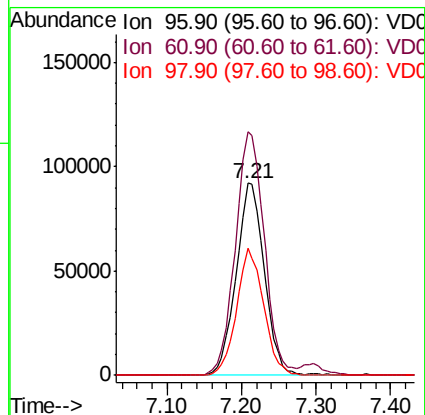
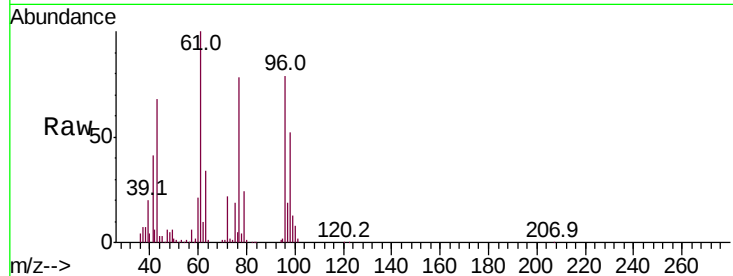


#27

cis-1,2-Dichloroethene
Concen: 59.290 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

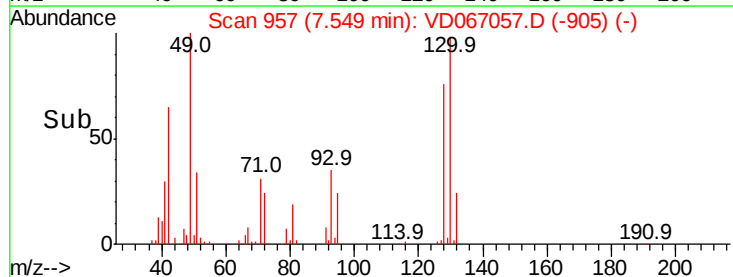
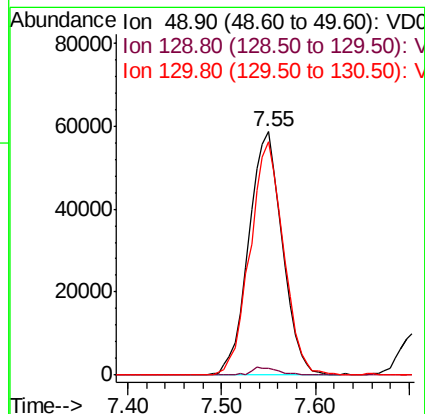
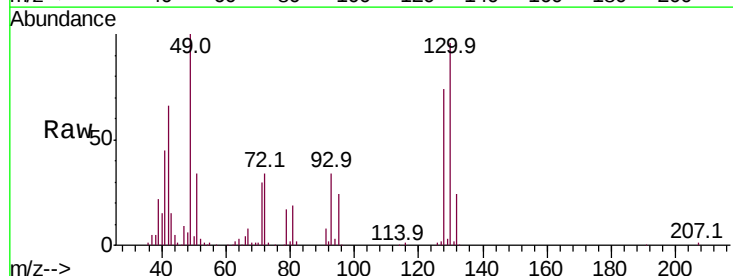
Tot Ion	96	Resp	241595
Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	269.2
98	63.6	0.0	129.4

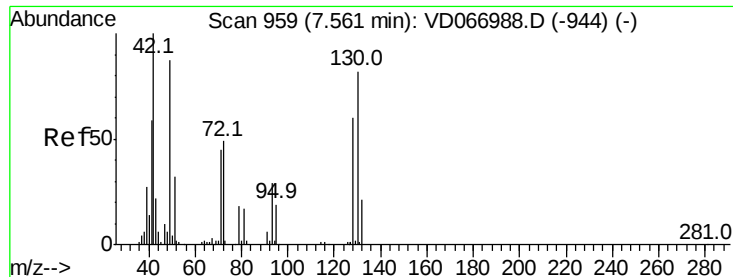


#28

Bromochloromethane
Concen: 61.348 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	49	Resp	145380
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	95.3	74.1	111.1





#29

Tetrahydrofuran

Concen: 308.118 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

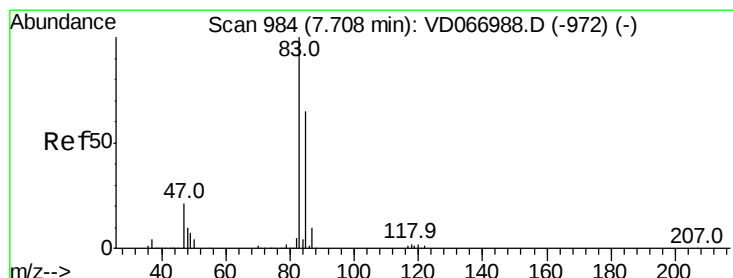
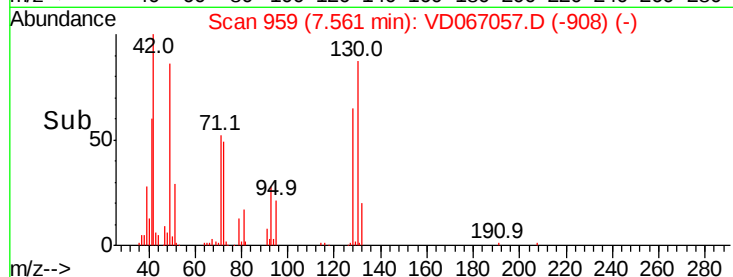
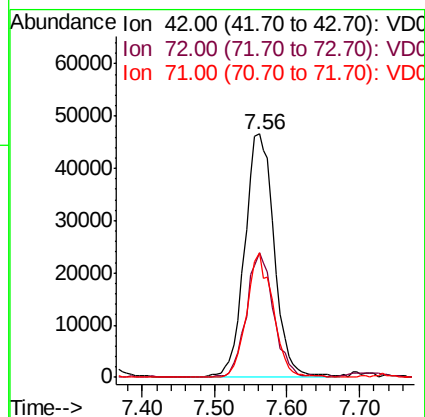
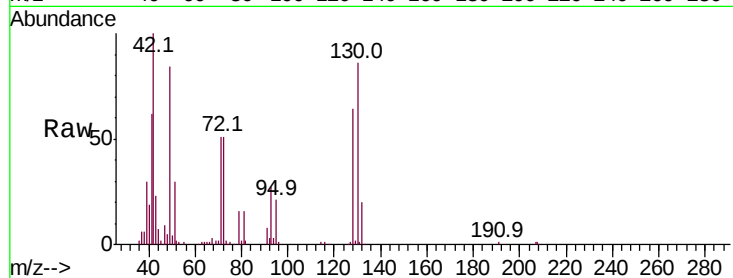
Tot Ion: 42 Resp: 131345

Ion Ratio Lower Upper

42 100

72 47.2 39.1 58.7

71 45.7 34.2 51.4



#30

Chloroform

Concen: 57.431 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD067057.D

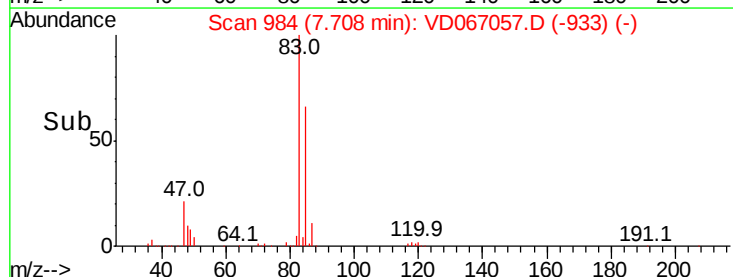
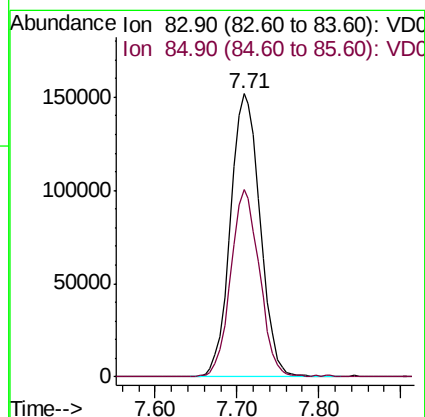
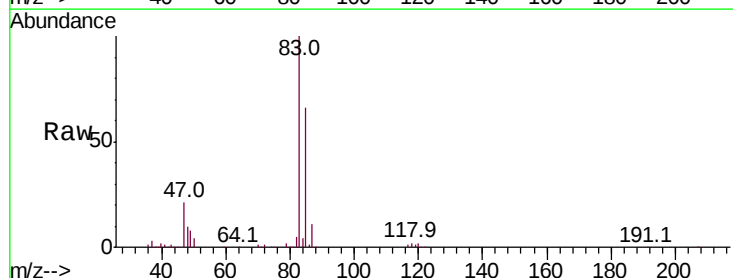
Acq: 03 Oct 2020 02:26

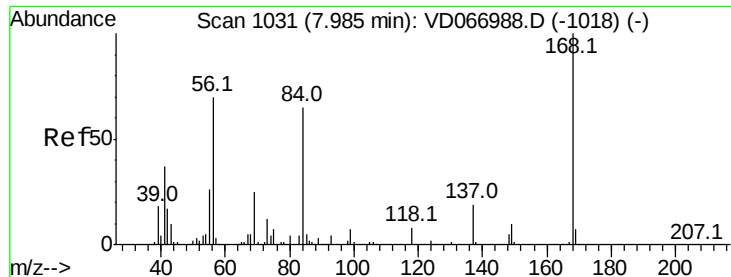
Tgt Ion: 83 Resp: 382295

Ion Ratio Lower Upper

83 100

85 66.2 52.3 78.5

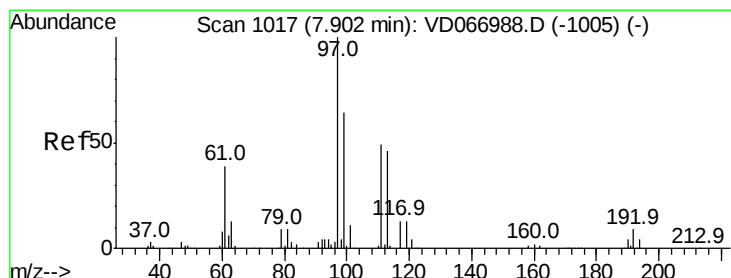
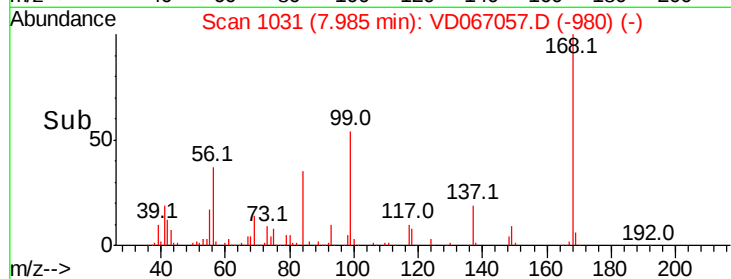
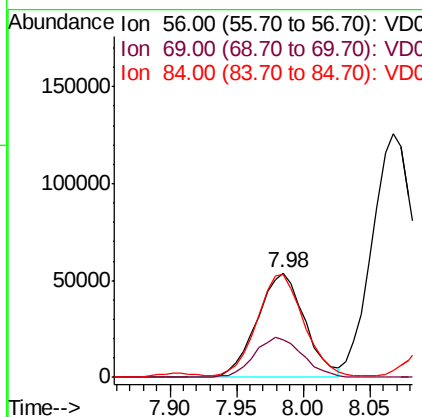
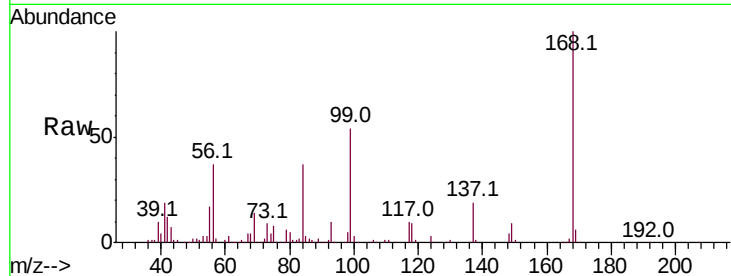




#31
Cyclohexane
Concen: 25.976 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

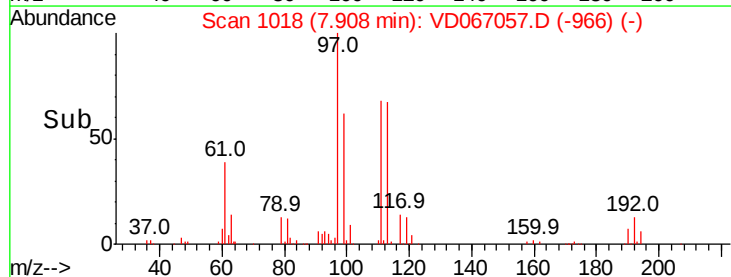
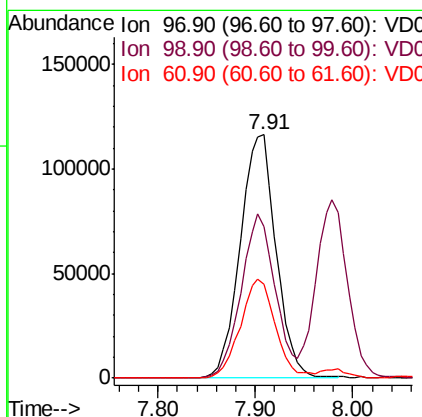
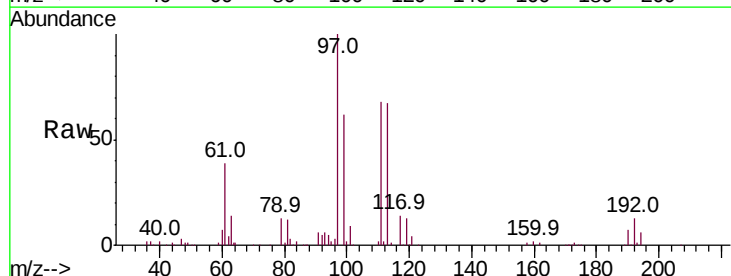
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

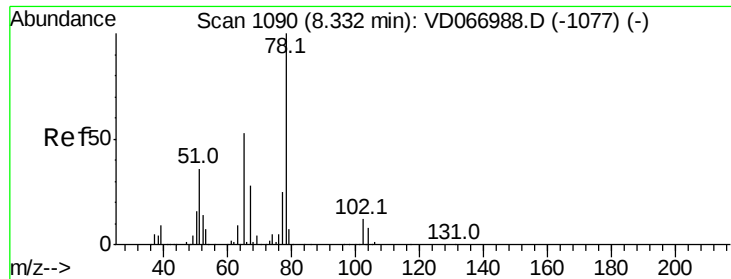
Tot Ion: 56 Resp: 133632
Ion Ratio Lower Upper
56 100
69 36.3 29.0 43.6
84 95.5 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 48.452 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 97 Resp: 298904
Ion Ratio Lower Upper
97 100
99 64.6 52.6 78.8
61 40.2 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 57.839 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

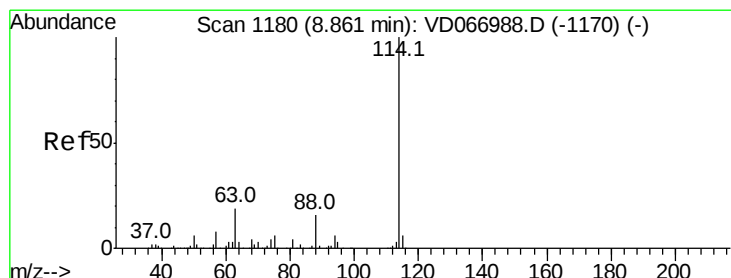
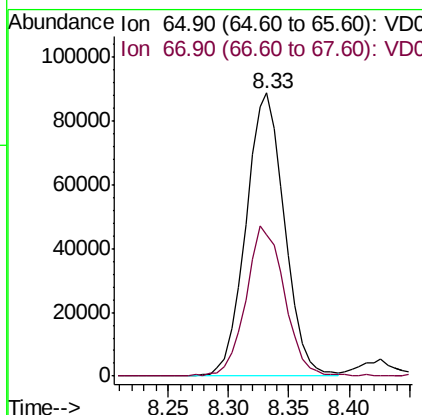
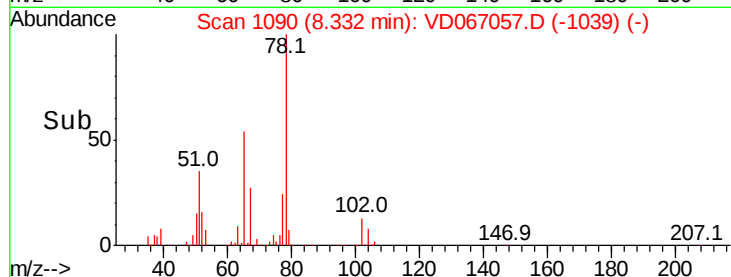
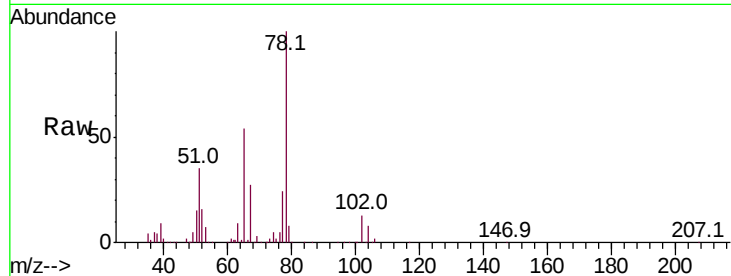
B-18(0-1)MSD

Tot Ion: 65 Resp: 198130

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

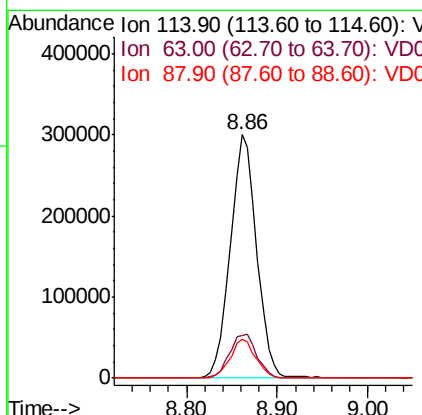
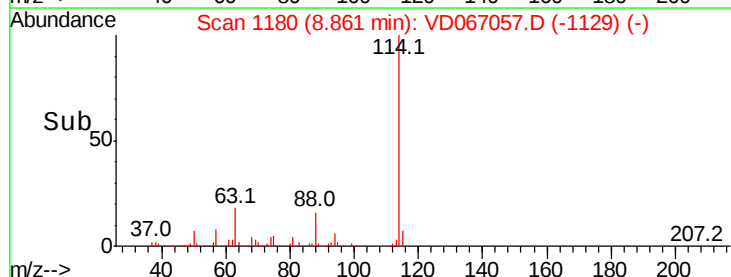
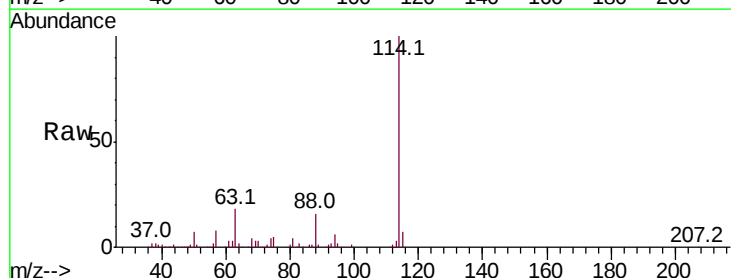
Tgt Ion: 114 Resp: 605466

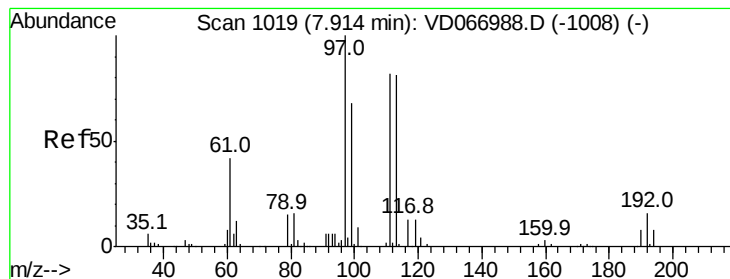
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.907 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

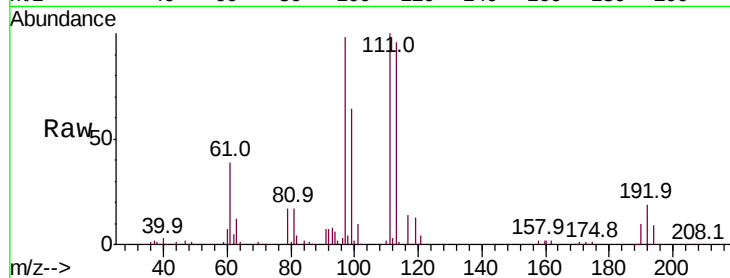
Tot Ion:113 Resp: 213682

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

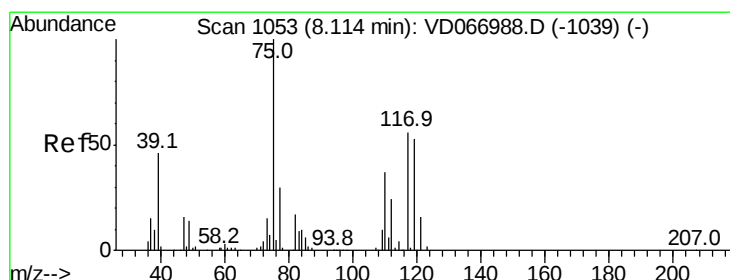
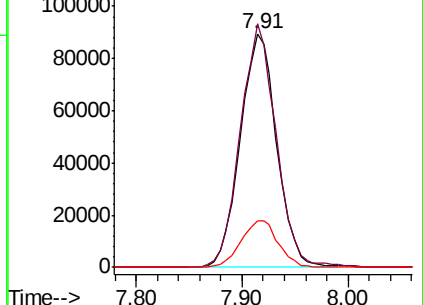
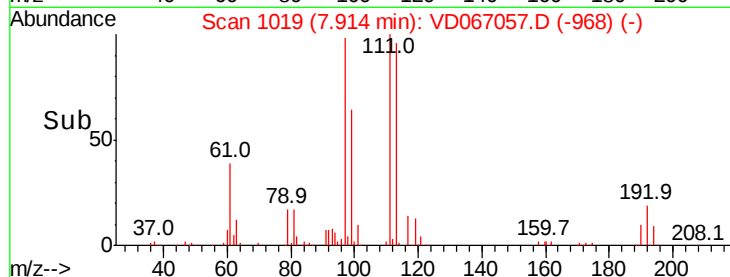
192 20.5 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 39.605 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

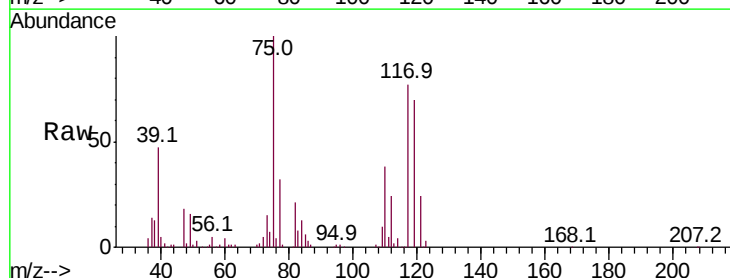
Tgt Ion: 75 Resp: 223516

Ion Ratio Lower Upper

75 100

110 38.0 18.4 55.0

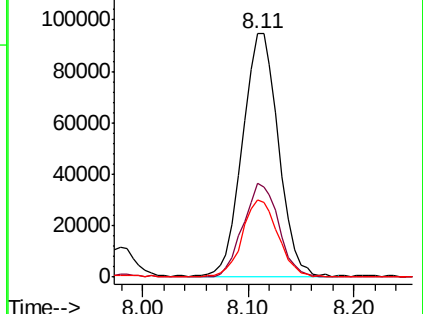
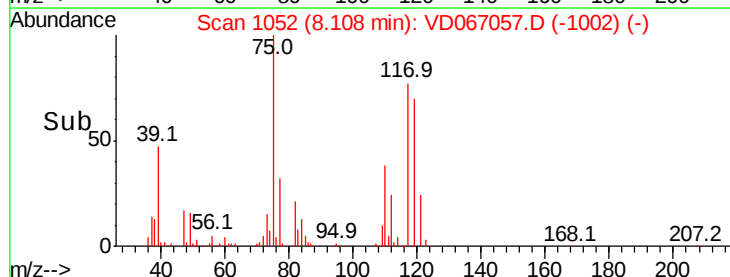
77 31.9 24.8 37.2

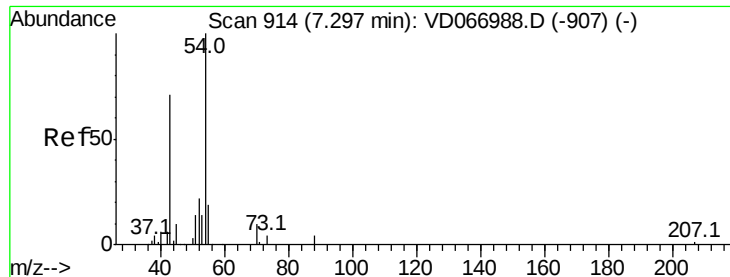


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

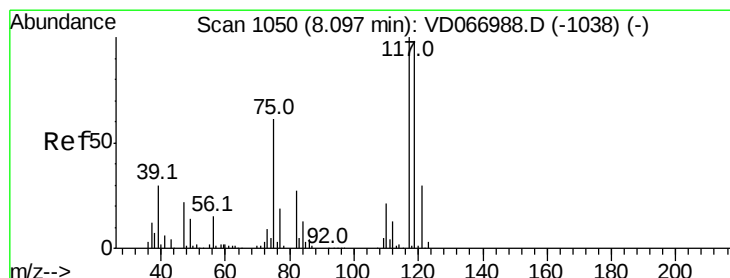
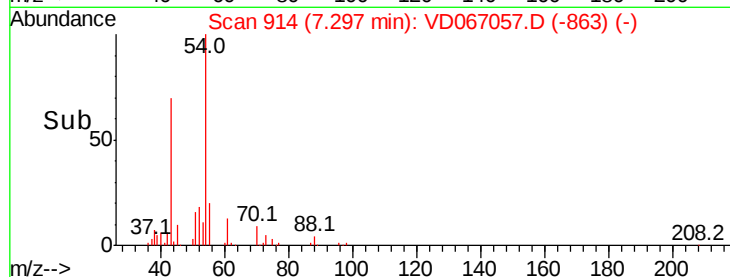
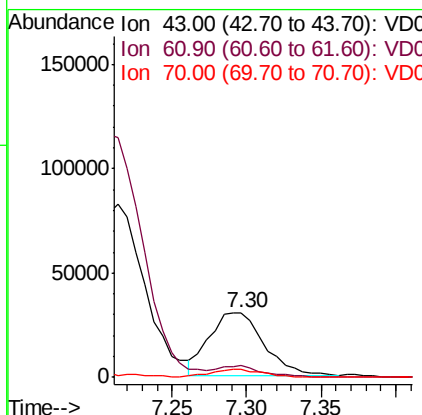
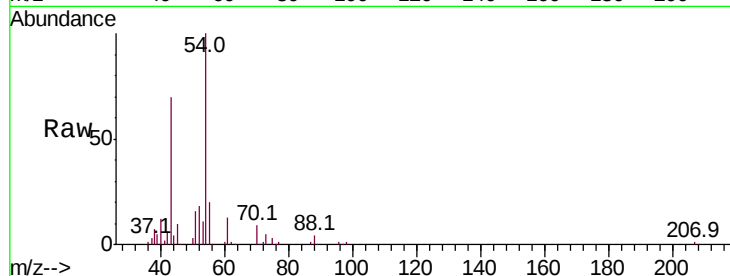




#37
Ethyl Acetate
Concen: 39.440 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

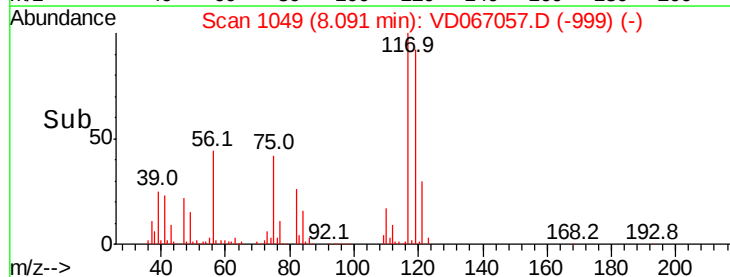
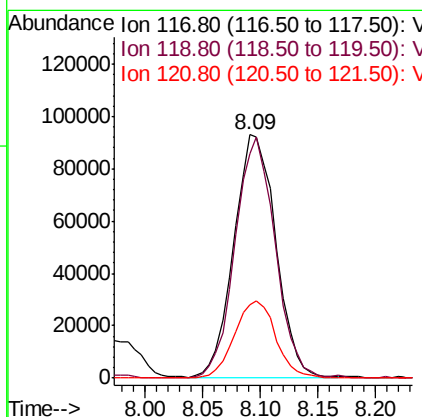
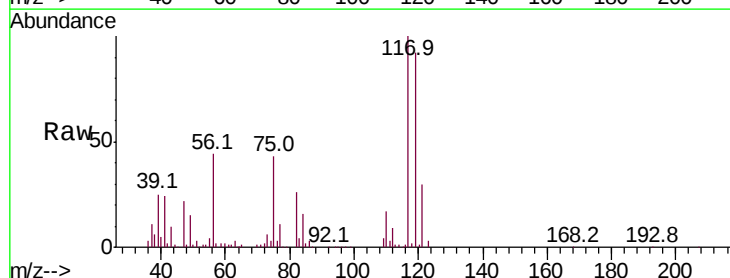
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

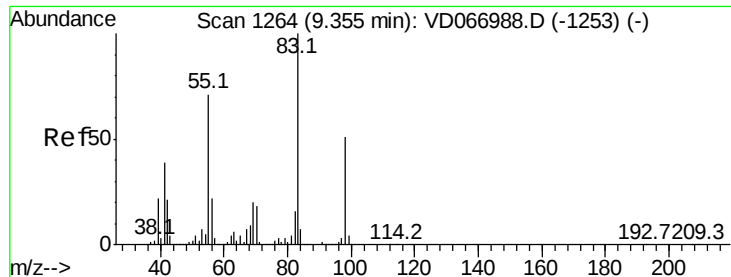
Tot Ion: 43 Resp: 77109
Ion Ratio Lower Upper
43 100
61 15.1 12.5 18.7
70 12.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 38.274 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 117 Resp: 233715
Ion Ratio Lower Upper
117 100
119 92.8 78.7 118.1
121 30.5 24.2 36.2

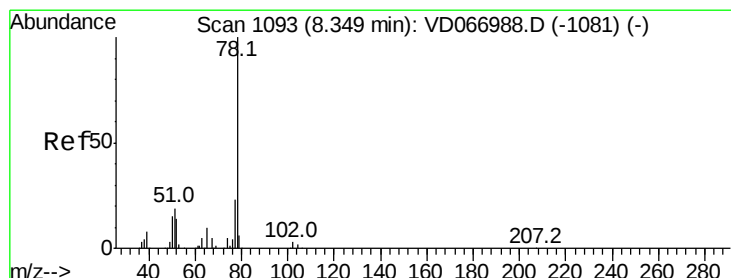
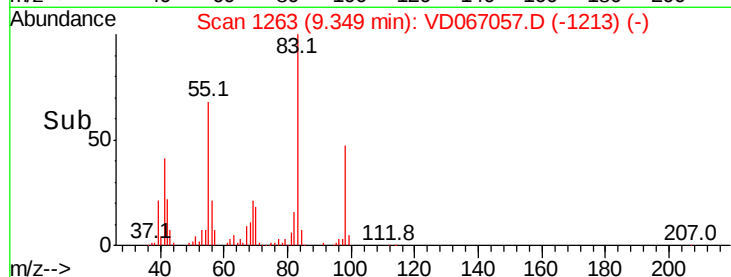
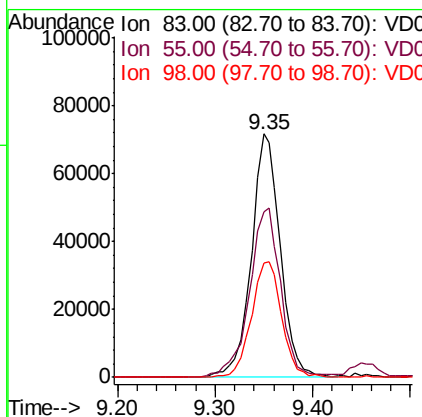
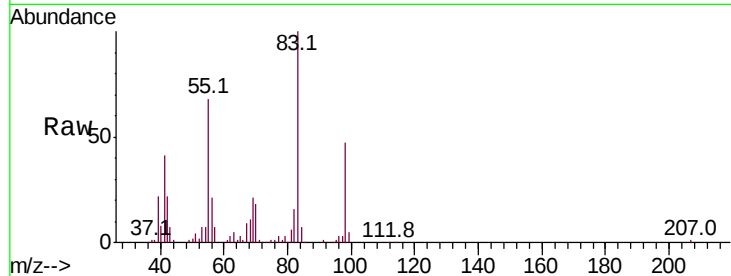




#39
Methvlcvclohexane
Concen: 24.995 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

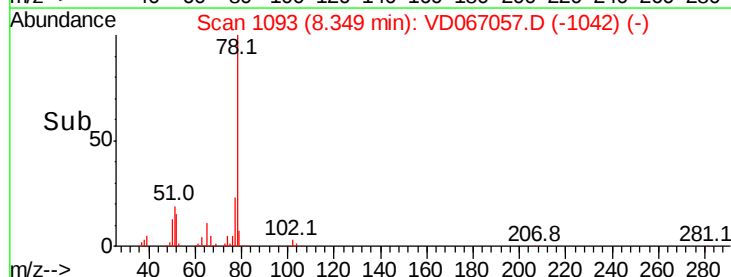
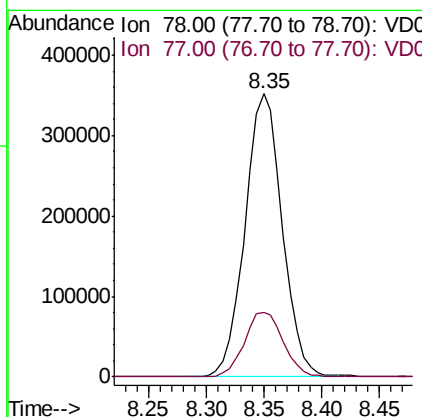
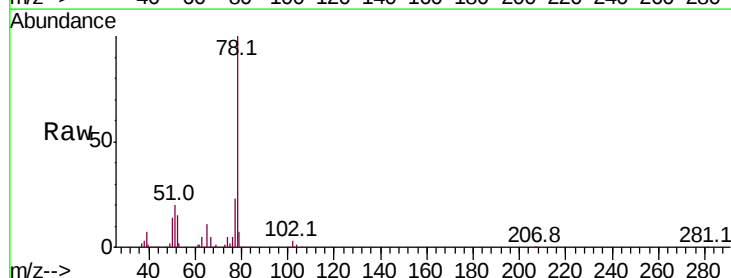
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

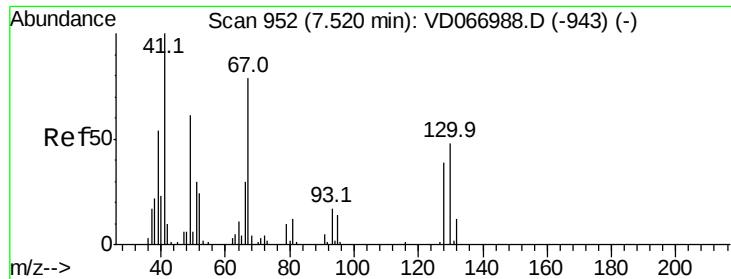
Tot Ion: 83 Resp: 149137
Ion Ratio Lower Upper
83 100
55 67.8 57.1 85.7
98 47.0 40.9 61.3



#40
Benzene
Concen: 50.309 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 78 Resp: 788624
Ion Ratio Lower Upper
78 100
77 22.9 18.4 27.6

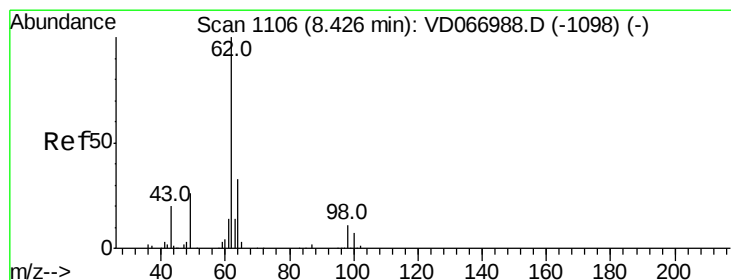
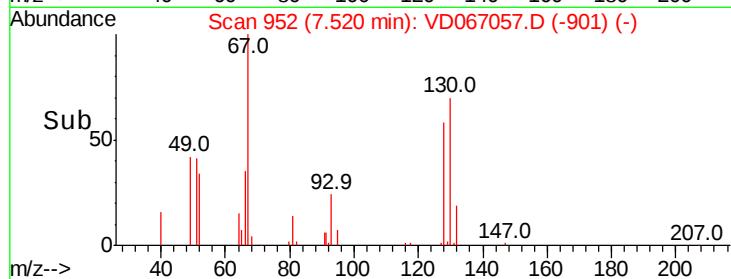
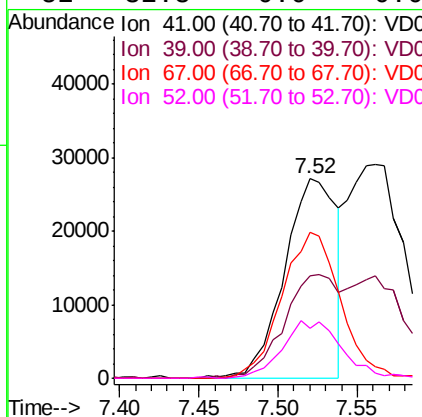
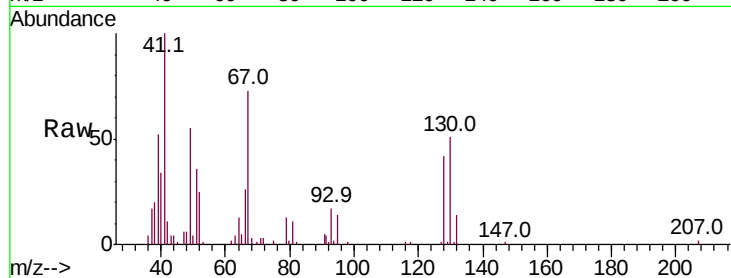




#41
Methacrylonitrile
Concen: 58.692 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

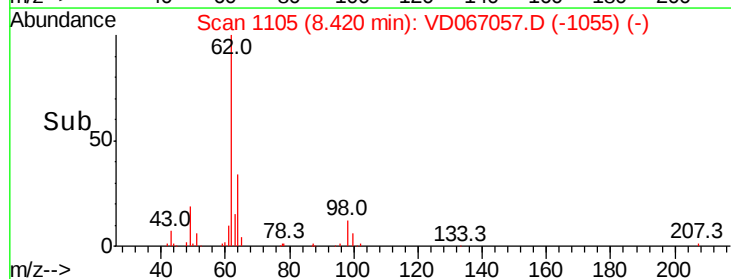
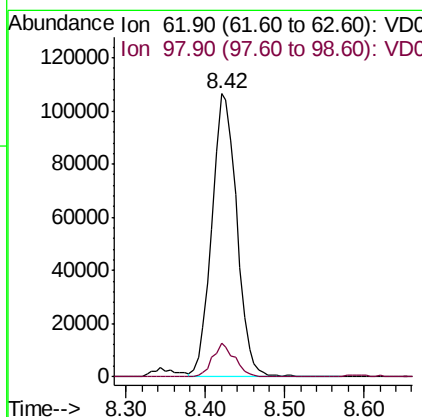
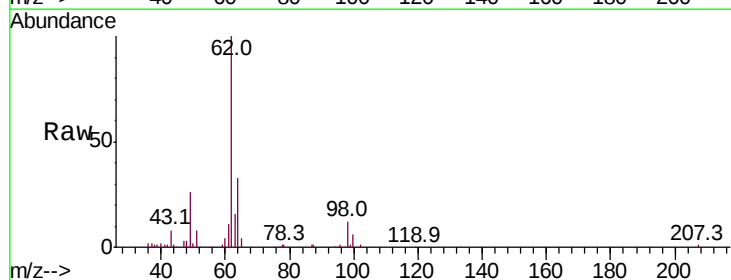
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

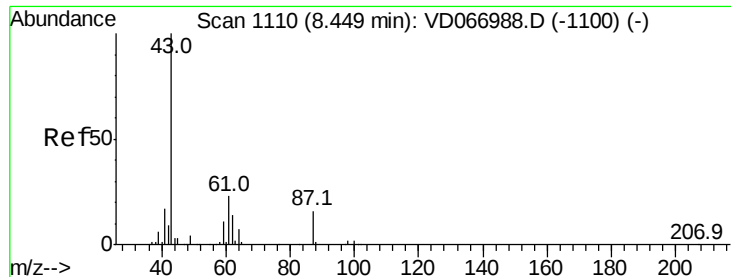
Tot Ion: 41 Resp: 61992
Ion Ratio Lower Upper
41 100
39 52.9 0.0 0.0#
67 82.3 0.0 0.0#
52 32.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 53.219 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 62 Resp: 233112
Ion Ratio Lower Upper
62 100
98 10.9 0.0 22.6





#43

Isopropyl Acetate

Concen: 44.311 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

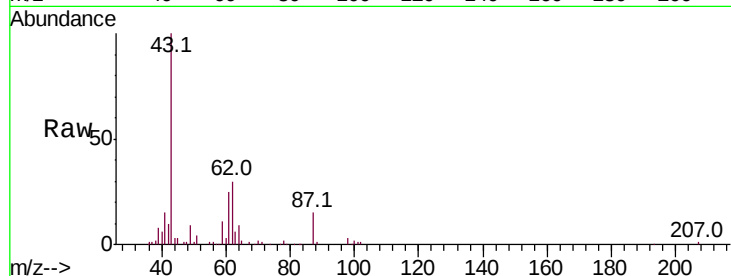
Tot Ion: 43 Resp: 159596

Ion Ratio Lower Upper

43 100

61 38.1 27.1 40.7

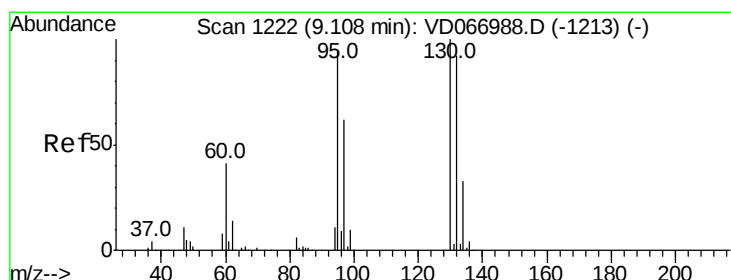
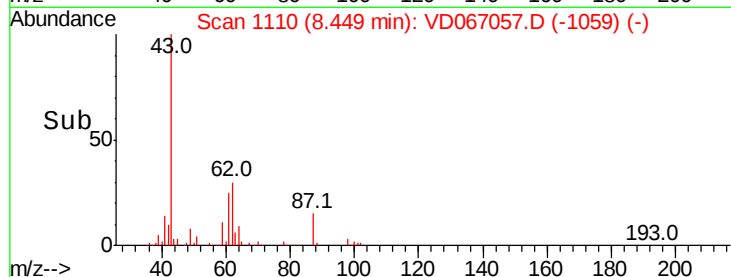
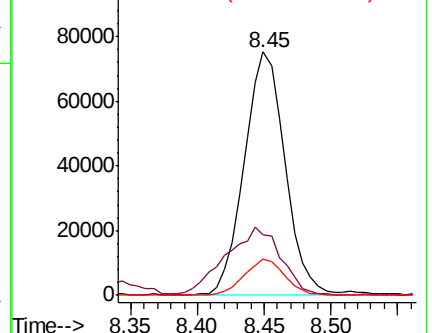
87 14.8 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 43.212 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD067057.D

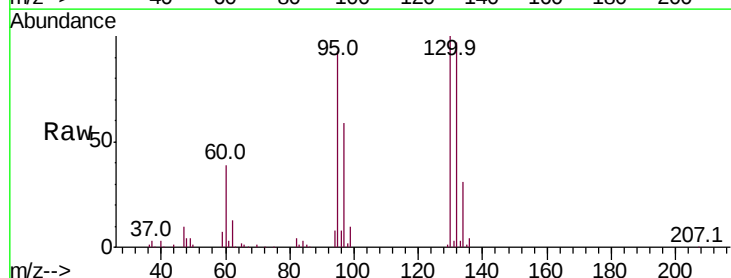
Acq: 03 Oct 2020 02:26

Tgt Ion:130 Resp: 202267

Ion Ratio Lower Upper

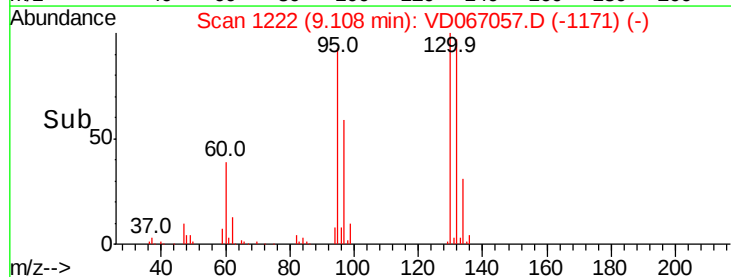
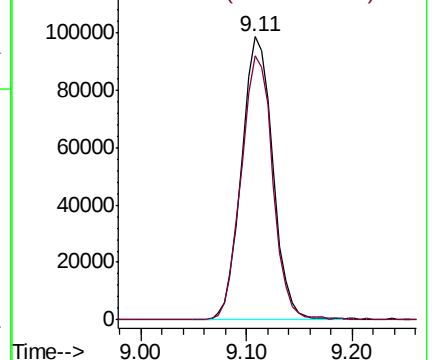
130 100

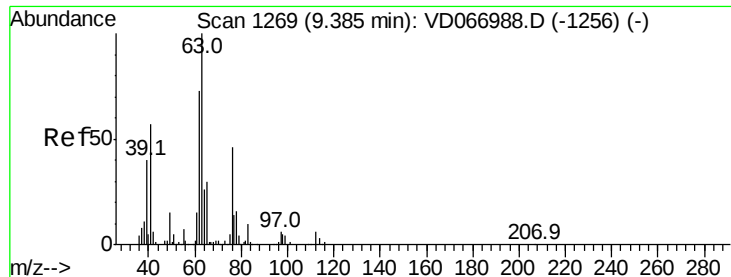
95 93.4 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.259 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

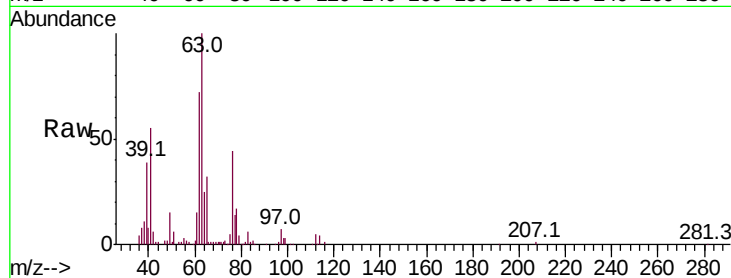
B-18(0-1)MSD

Tot Ion: 63 Resp: 196160

Ion Ratio Lower Upper

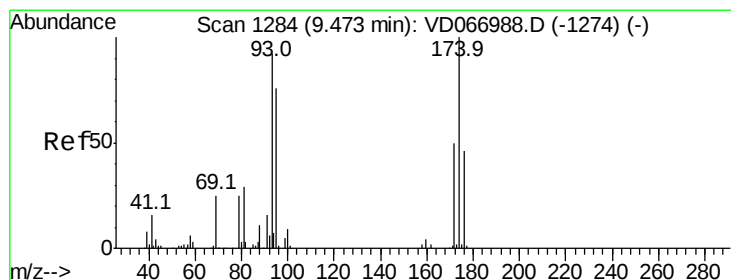
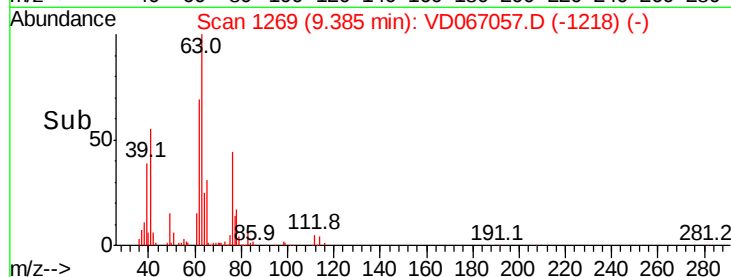
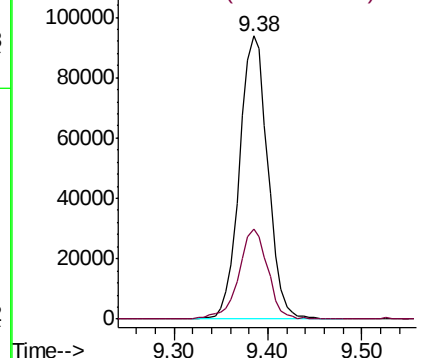
63 100

65 31.6 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.131 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

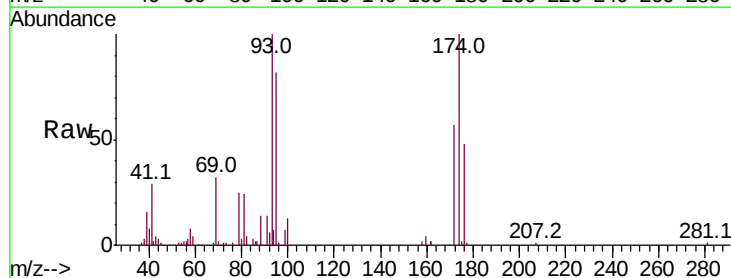
Tgt Ion: 93 Resp: 112473

Ion Ratio Lower Upper

93 100

95 82.6 64.7 97.1

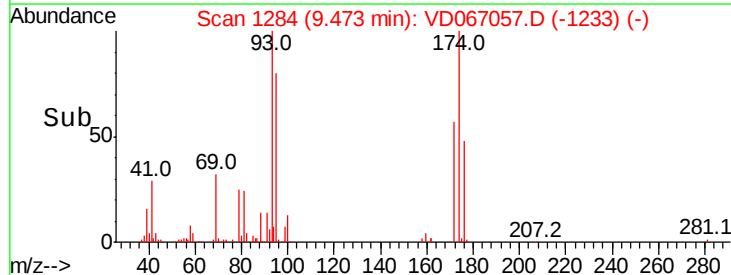
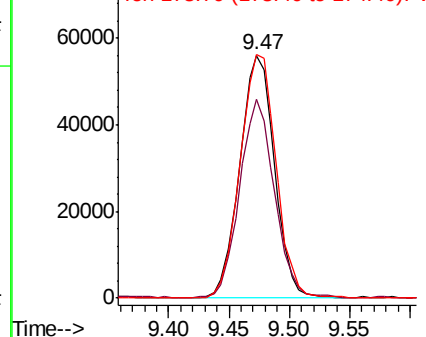
174 104.0 81.4 122.2

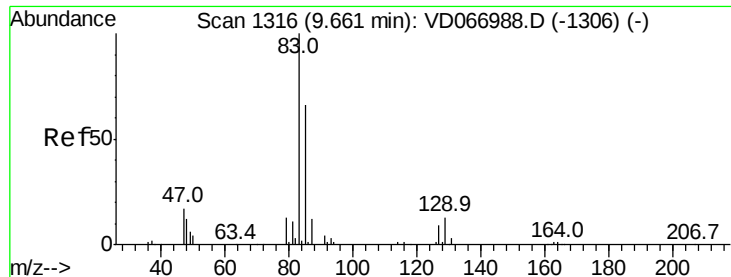


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.176 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

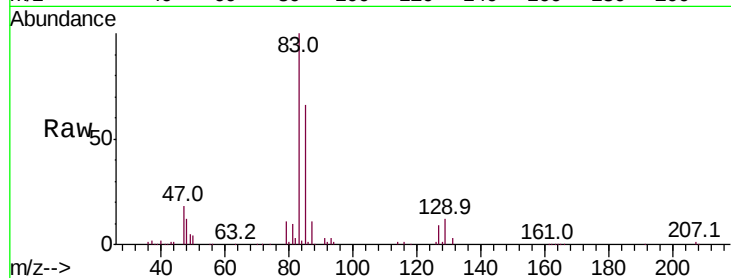
Tot Ion: 83 Resp: 276107

Ion Ratio Lower Upper

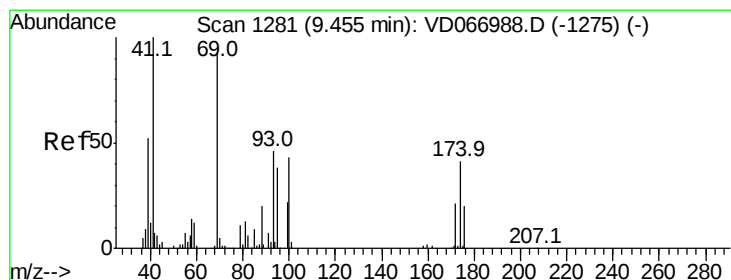
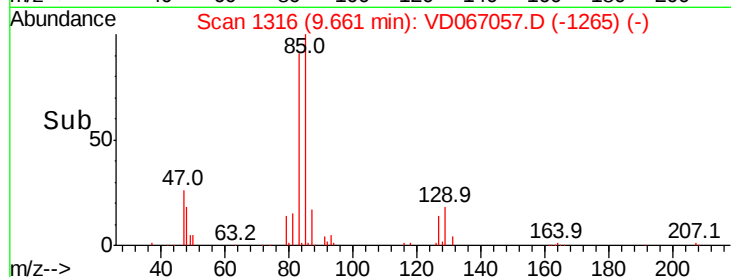
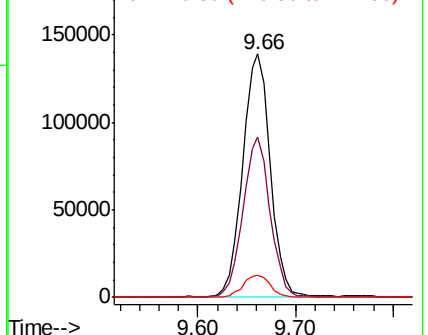
83 100

85 65.6 52.9 79.3

127 9.4 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 61.575 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

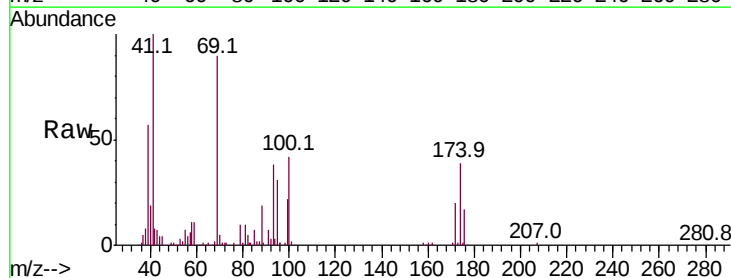
Tgt Ion: 41 Resp: 113619

Ion Ratio Lower Upper

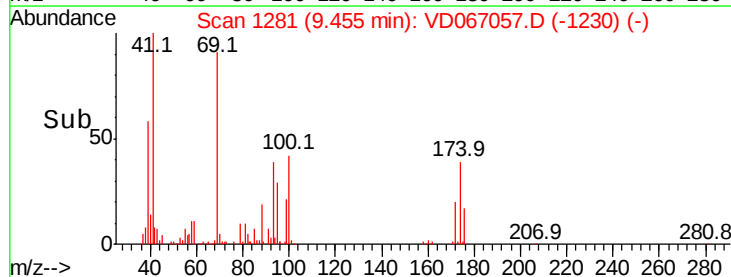
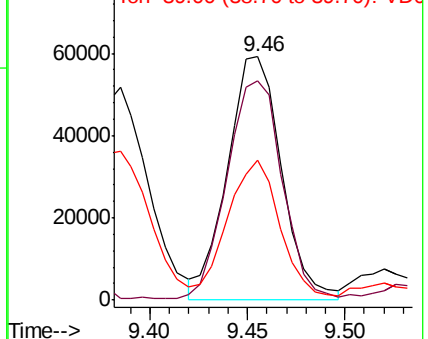
41 100

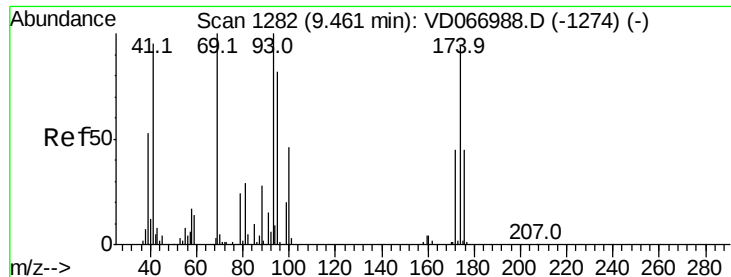
69 92.7 68.5 102.7

39 56.4 40.2 60.2



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





#49

1,4-Dioxane

Concen: 1151.831 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

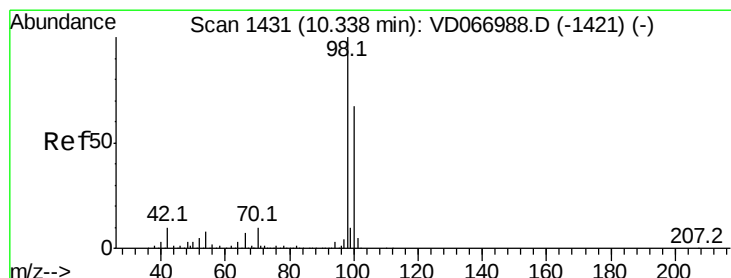
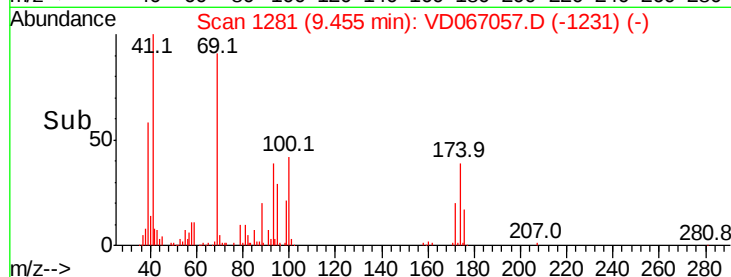
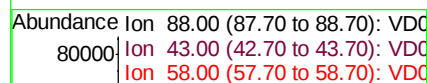
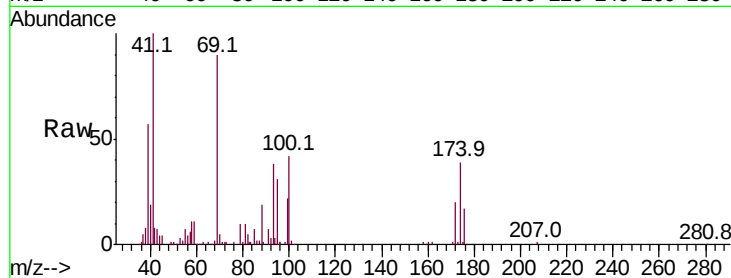
Tot Ion: 88 Resp: 25448

Ion Ratio Lower Upper

88 100

43 30.2 25.6 38.4

58 65.9 53.5 80.3



#50

Toluene-d8

Concen: 45.052 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067057.D

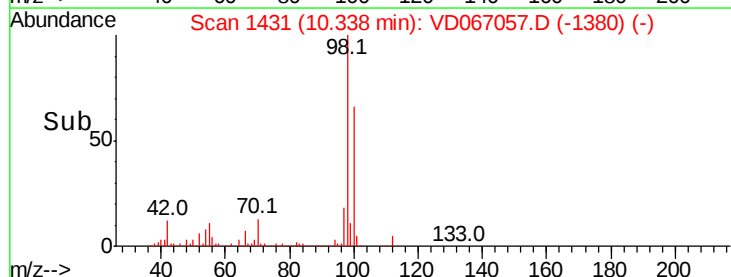
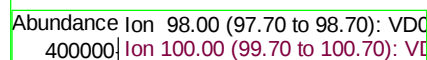
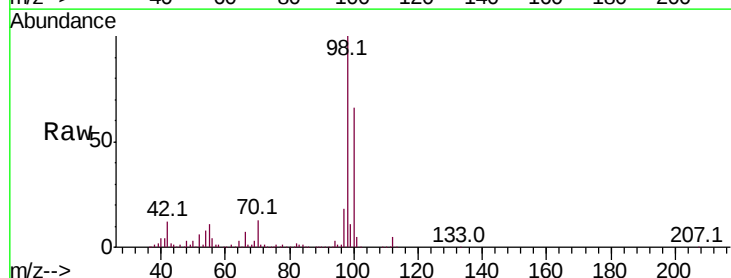
Acq: 03 Oct 2020 02:26

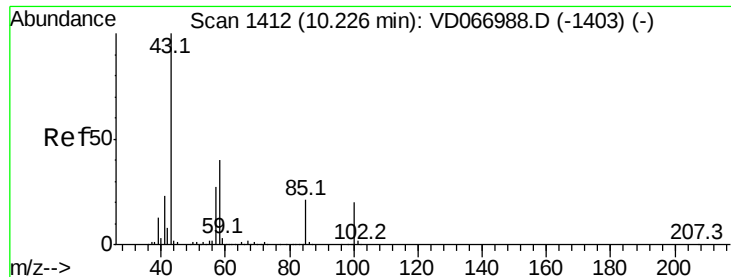
Tgt Ion: 98 Resp: 650730

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 282.357 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

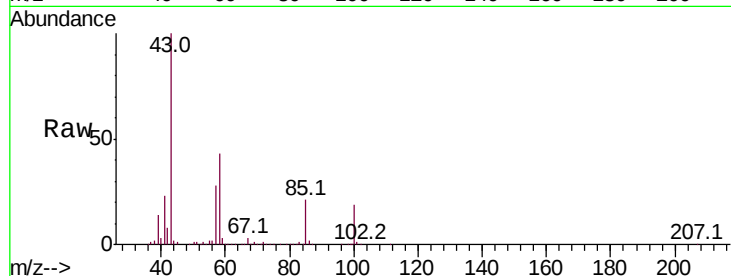
B-18(0-1)MSD

Tot Ion: 43 Resp: 506551

Ion Ratio Lower Upper

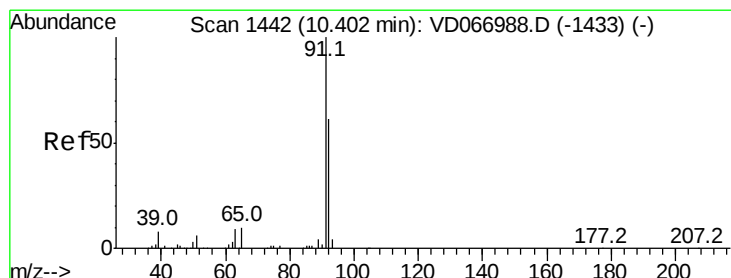
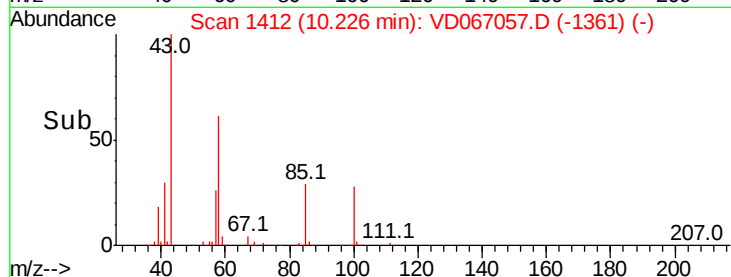
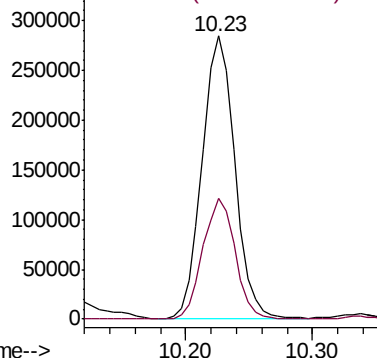
43 100

58 42.5 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 44.951 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD067057.D

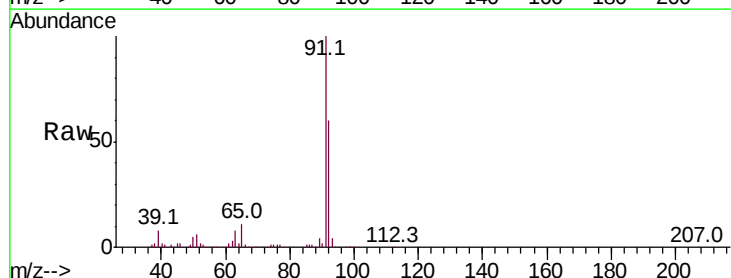
Acq: 03 Oct 2020 02:26

Tgt Ion: 92 Resp: 453898

Ion Ratio Lower Upper

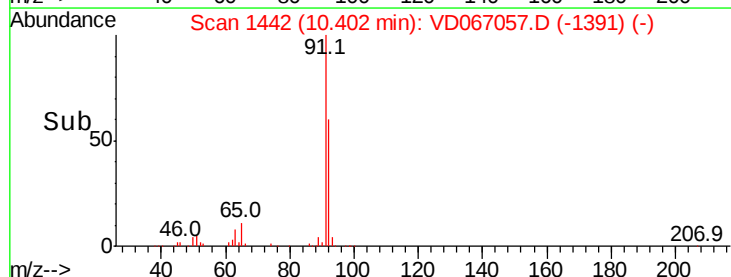
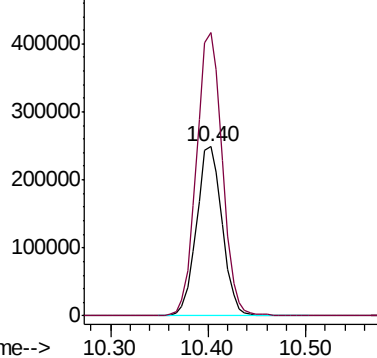
92 100

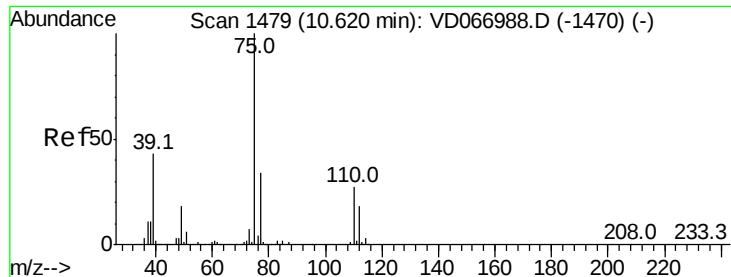
91 169.0 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 49.242 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

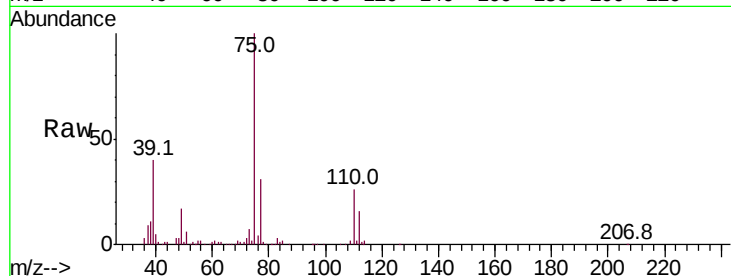
B-18(0-1)MSD

Tot Ion: 75 Resp: 242172

Ion Ratio Lower Upper

75 100

77 30.9 27.1 40.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

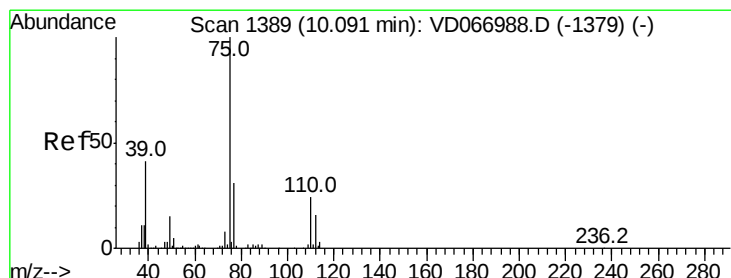
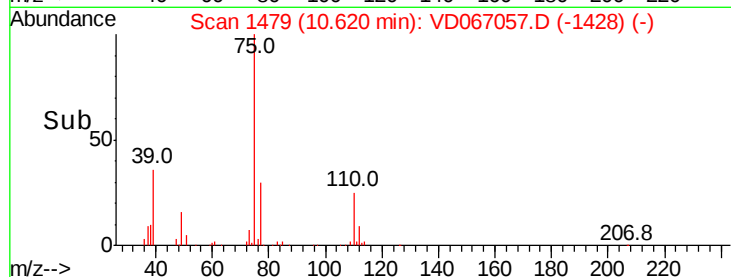
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 49.282 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

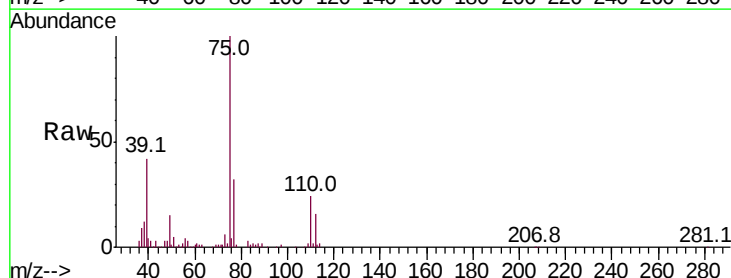
Tgt Ion: 75 Resp: 295958

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

39 41.9 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

200000

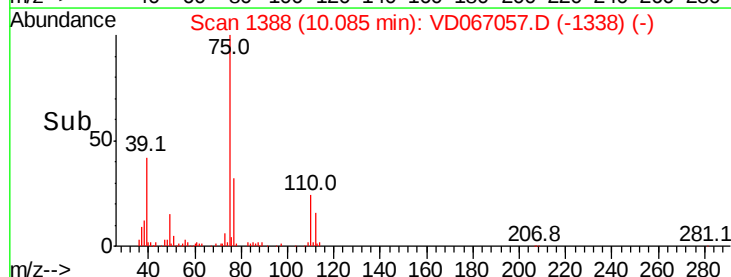
150000

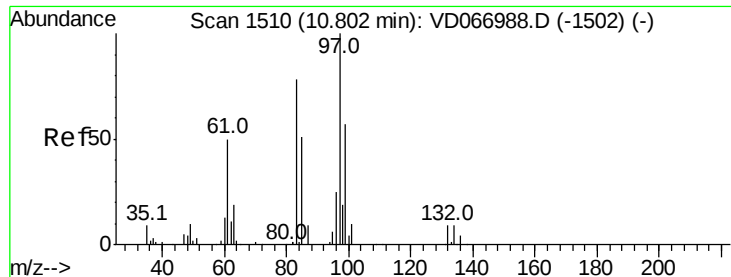
100000

50000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 68.645 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 97 Resp: 202030

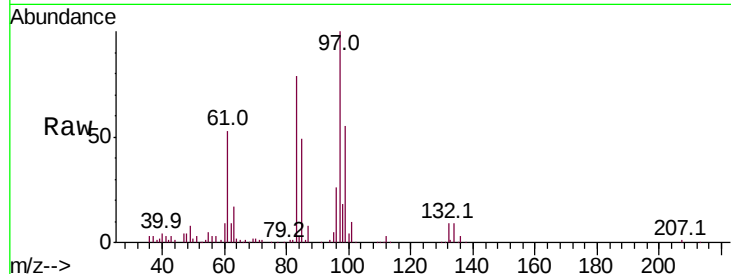
Ion Ratio Lower Upper

97 100

83 79.7 62.4 93.6

85 49.8 41.0 61.4

99 55.3 45.9 68.9

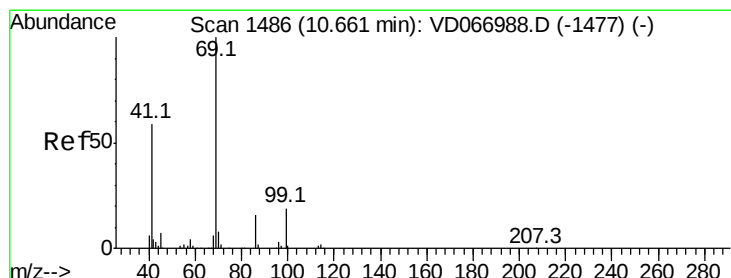
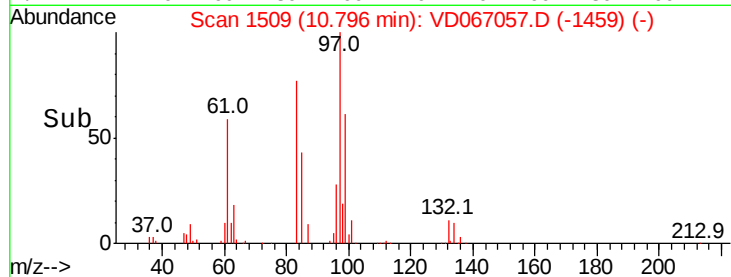
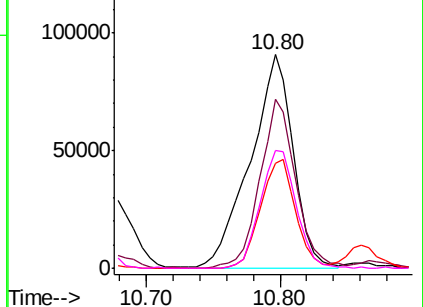


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 59.355 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

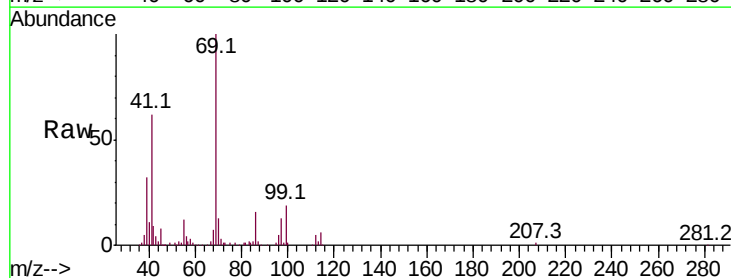
Tgt Ion: 69 Resp: 180355

Ion Ratio Lower Upper

69 100

41 63.2 46.4 69.6

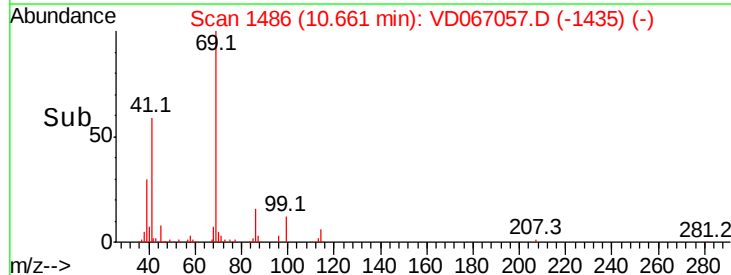
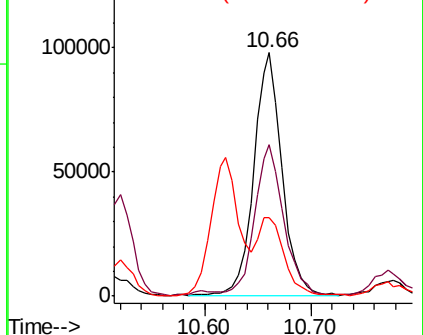
39 30.2 23.8 35.6

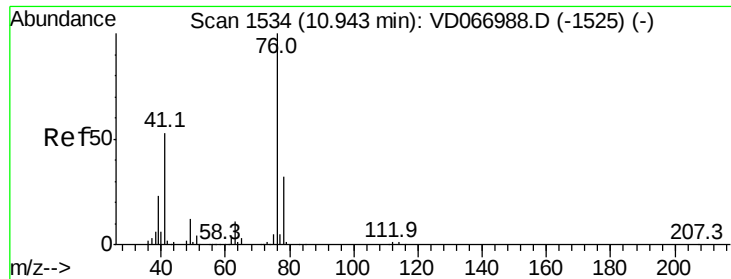


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

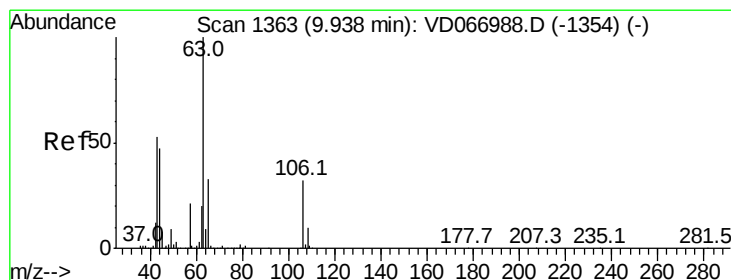
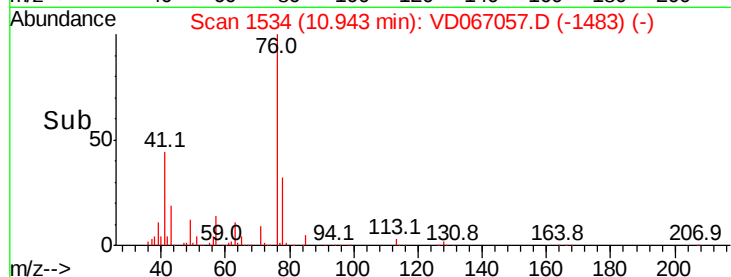
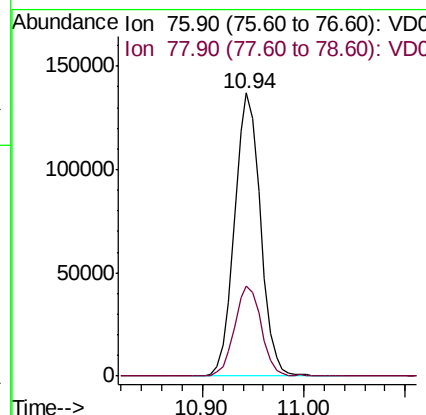
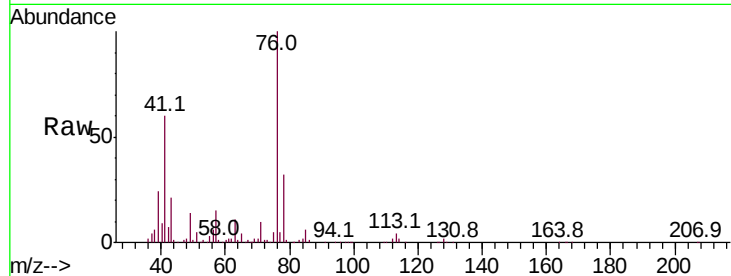




#57
 1,3-Dichloropropane
 Concen: 50.978 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

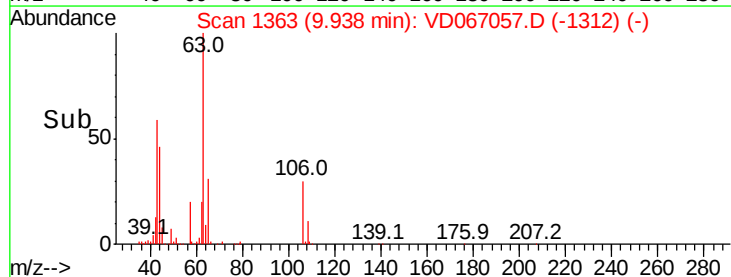
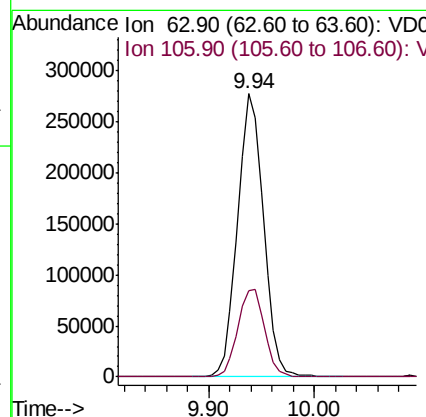
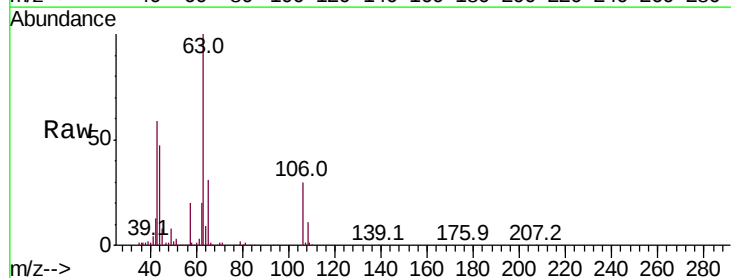
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

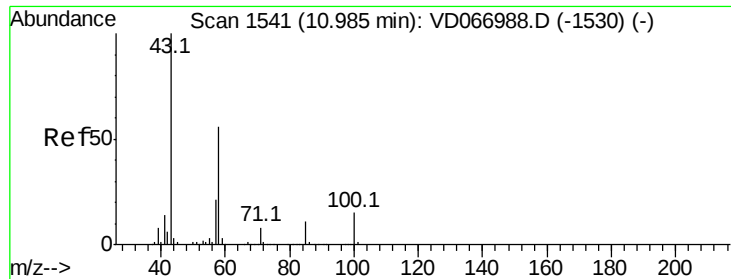
Tot Ion: 76 Resp: 243297
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.427 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion: 63 Resp: 470883
 Ion Ratio Lower Upper
 63 100
 106 31.9 25.3 37.9

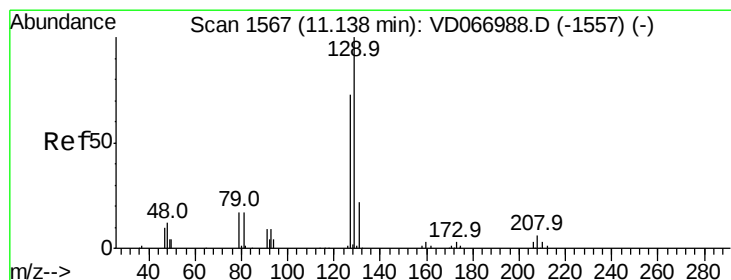
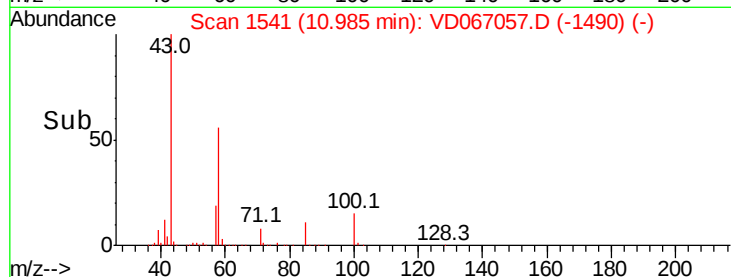
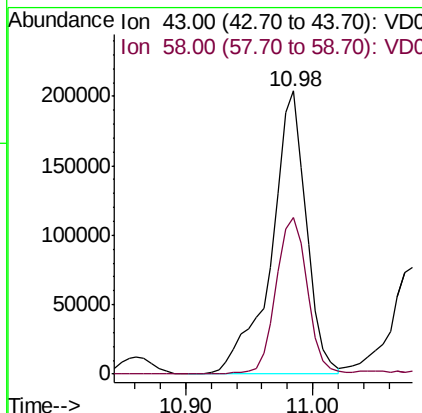
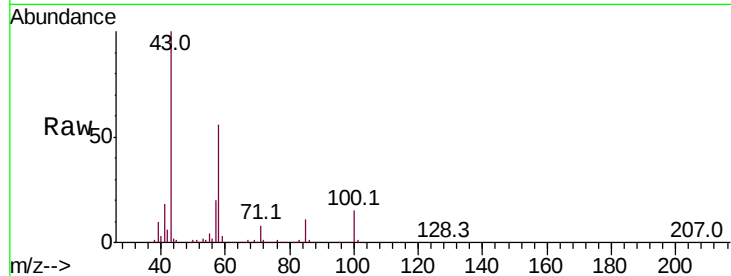




#59
2-Hexanone
Concen: 323.114 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

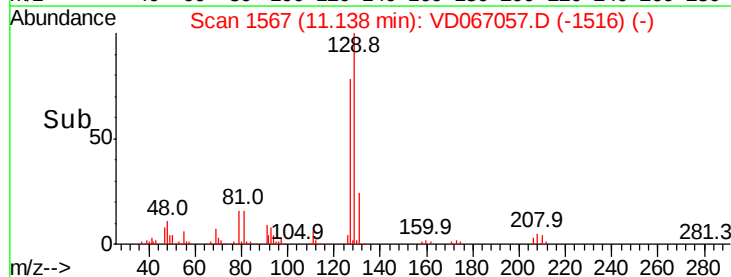
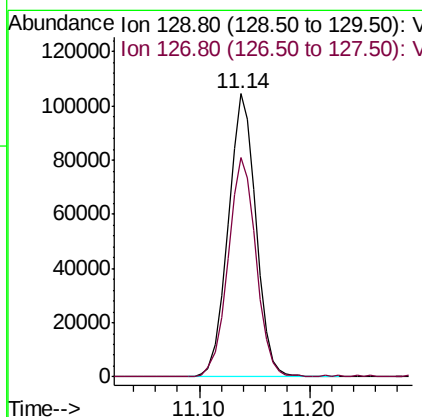
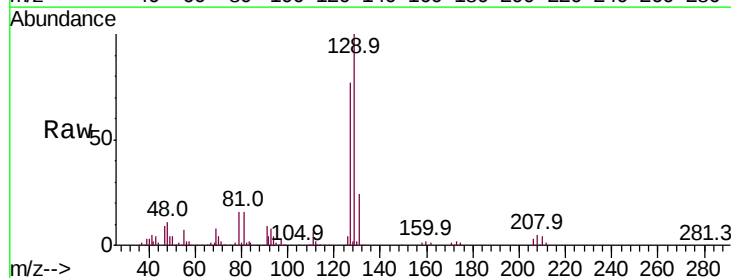
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

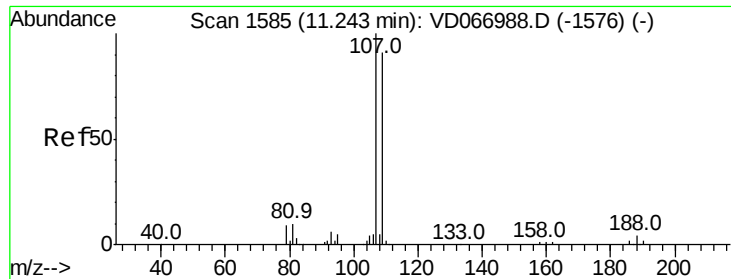
Tot Ion: 43 Resp: 386896
Ion Ratio Lower Upper
43 100
58 50.0 28.3 84.9



#60
Dibromochloromethane
Concen: 46.952 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion:129 Resp: 184177
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.1





#61

1,2-Dibromoethane

Concen: 51.602 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

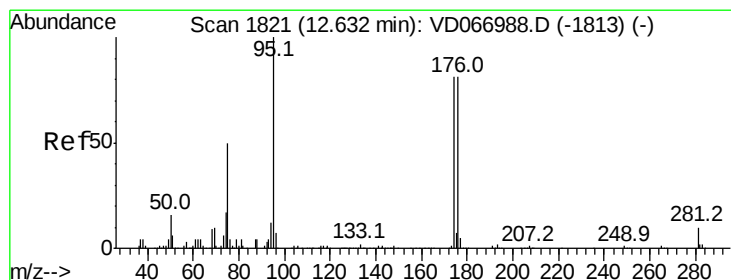
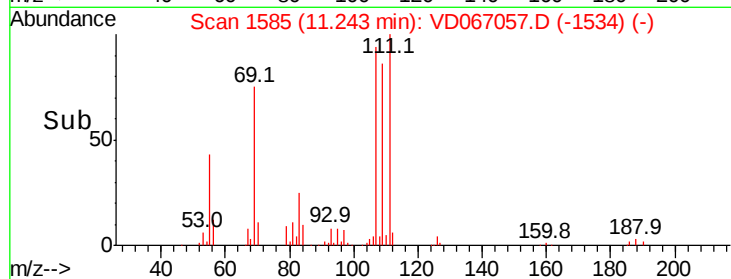
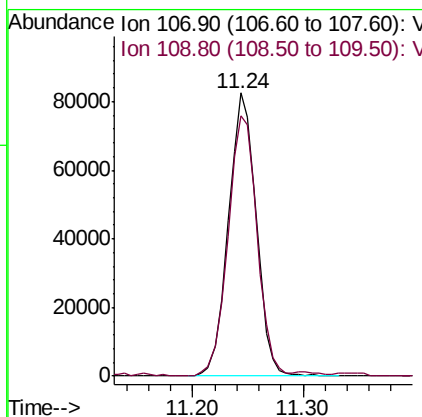
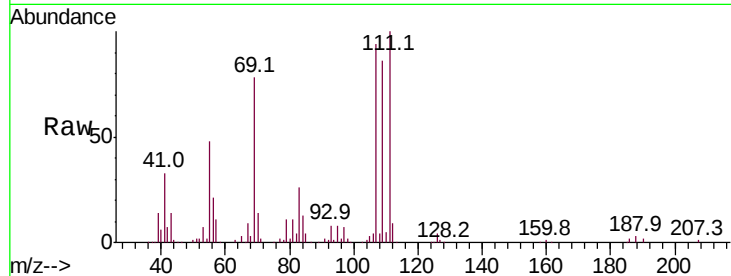
Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion:107 Resp: 145906

Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.0	111.0



#62

4-Bromofluorobenzene

Concen: 34.104 ug/l

RT: 12.63 min Scan# 1821

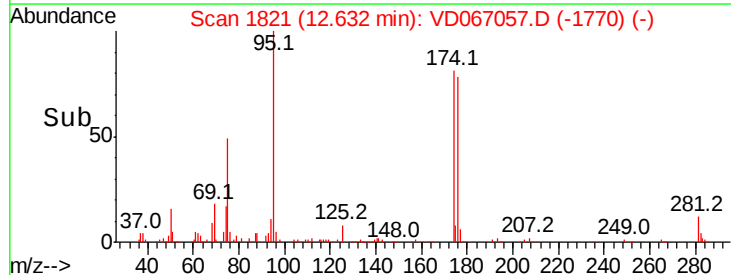
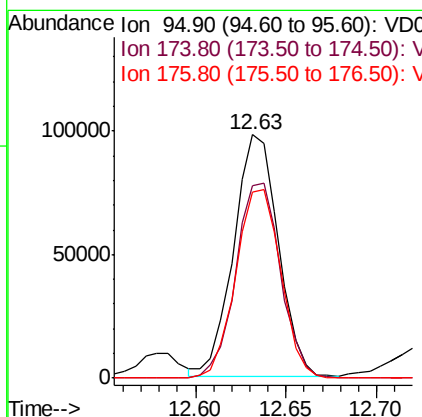
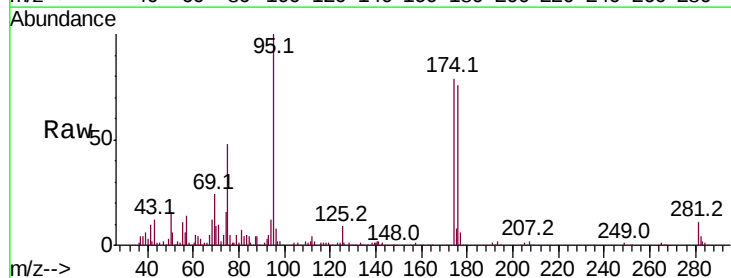
Delta R.T. -0.00 min

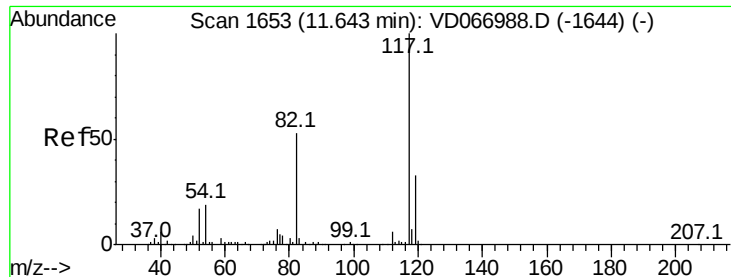
Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion: 95 Resp: 167225

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	167.6
176	78.7	0.0	162.4

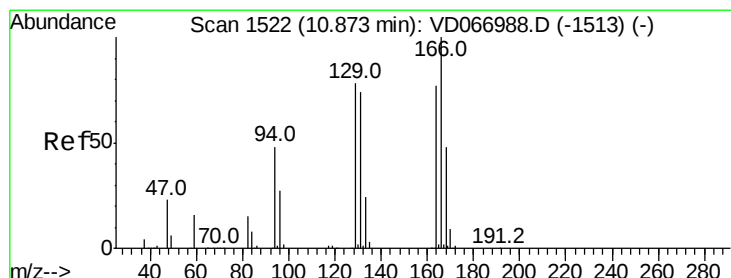
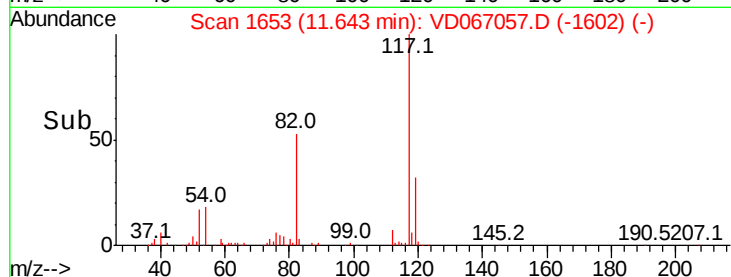
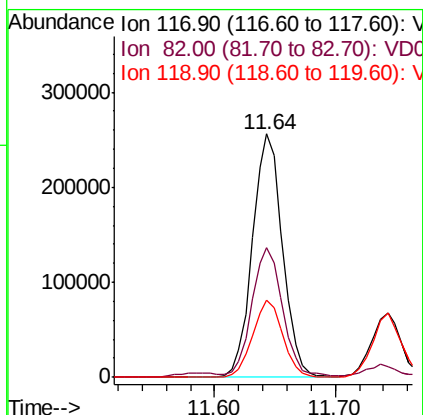
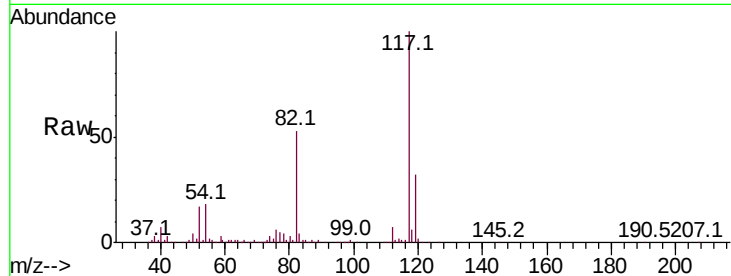




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

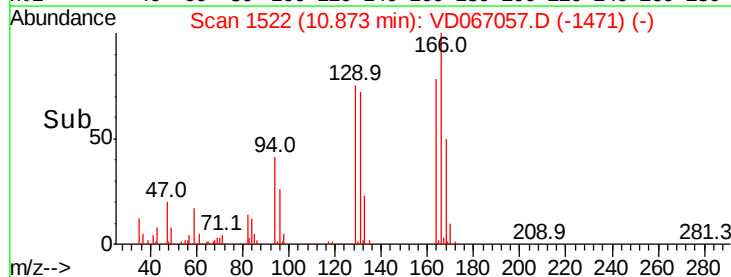
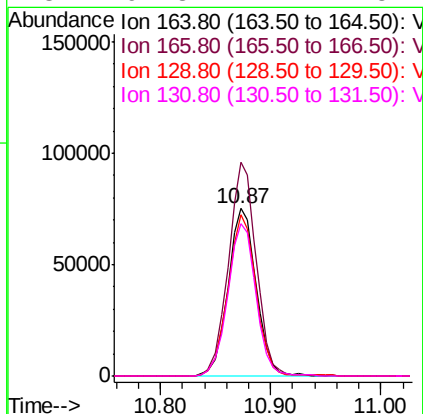
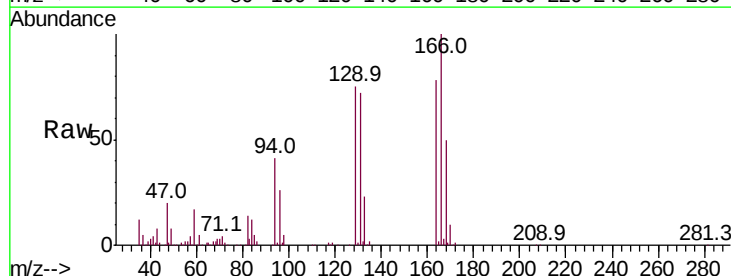
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

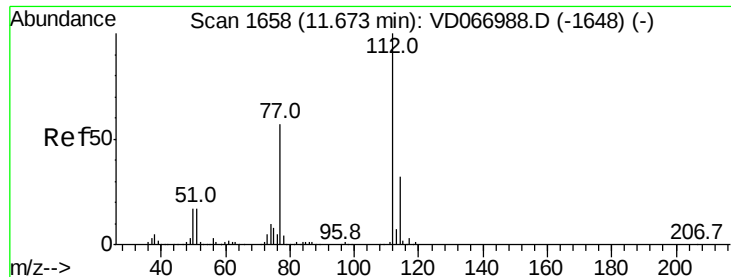
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	63.8
119	31.9	26.3	39.5



#64
Tetrachloroethene
Concen: 41.885 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	104.4	156.6
129	96.0	81.3	121.9
131	91.3	77.1	115.7





#65

Chlorobenzene

Concen: 47.445 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

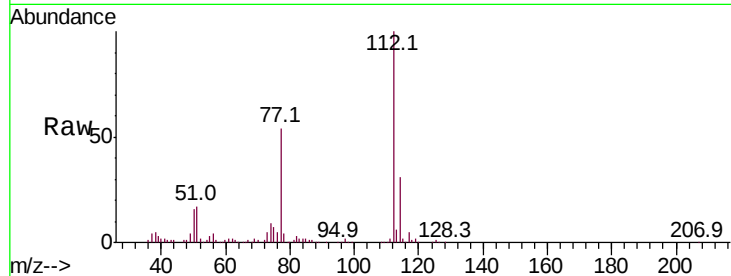
B-18(0-1)MSD

Tot Ion:112 Resp: 416723

Ion Ratio Lower Upper

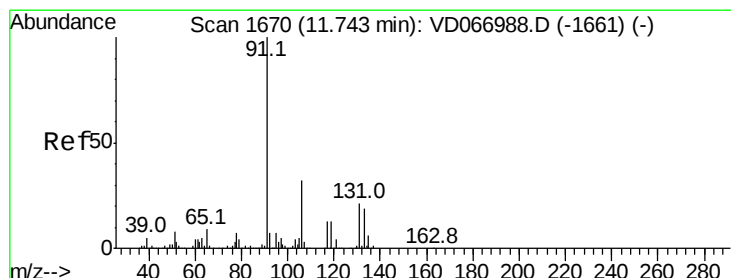
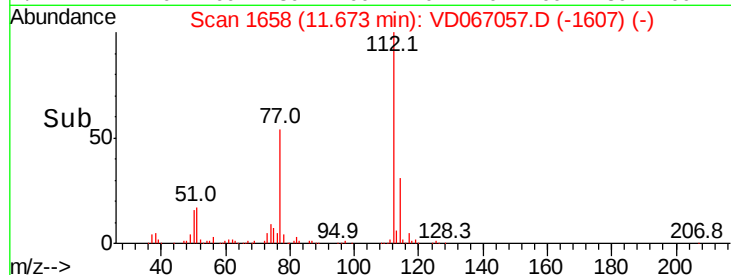
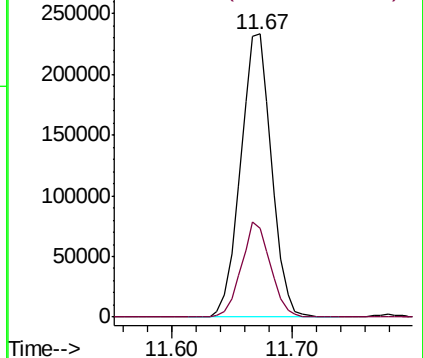
112 100

114 31.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.888 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

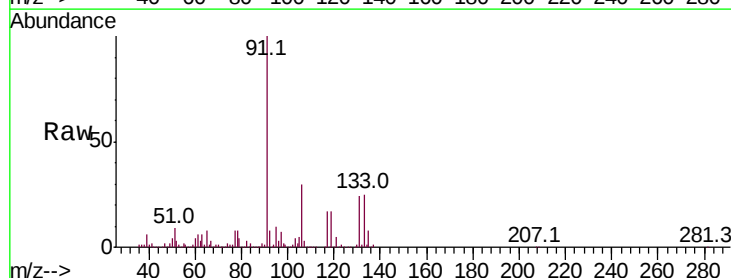
Tgt Ion:131 Resp: 173362

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

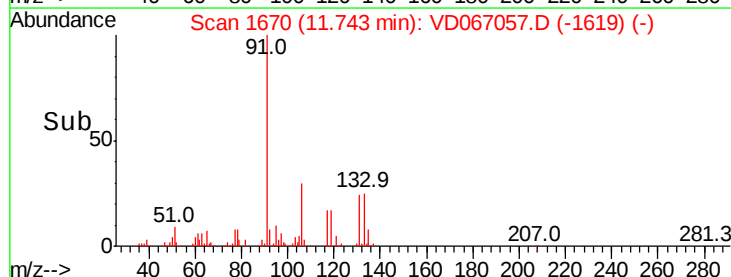
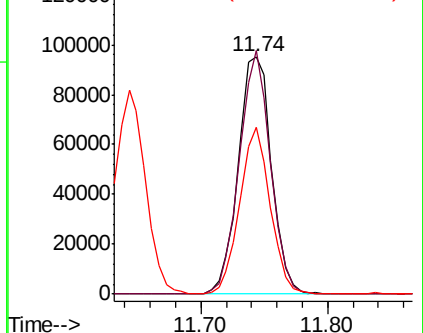
119 64.8 32.3 96.8

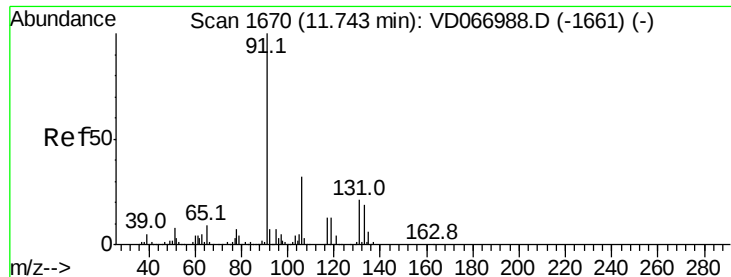


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 42.626 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

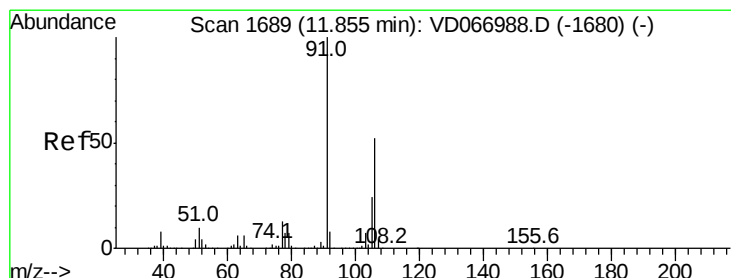
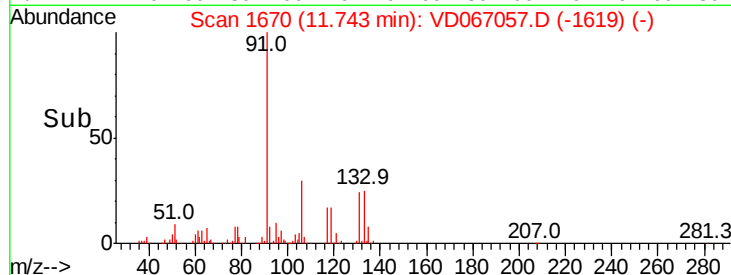
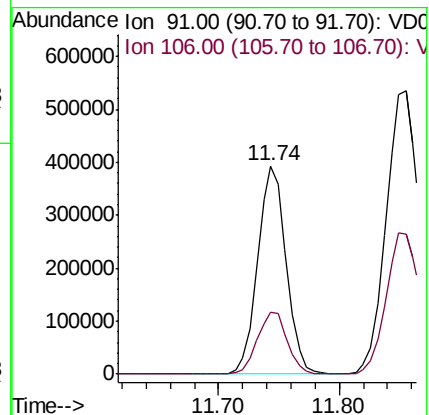
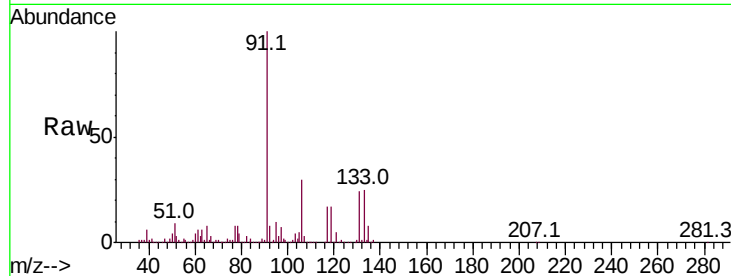
B-18(0-1)MSD

Tot Ion: 91 Resp: 641495

Ion Ratio Lower Upper

91 100

106 30.0 25.4 38.2



#68

m/p-Xylenes

Concen: 88.518 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD067057.D

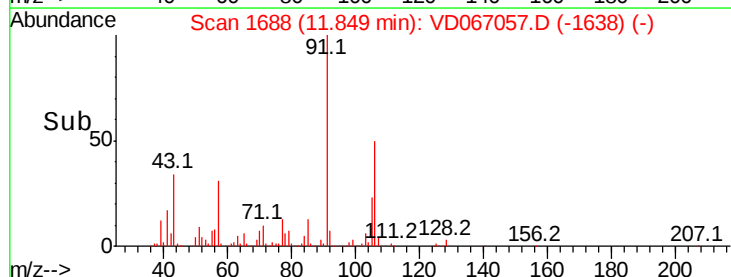
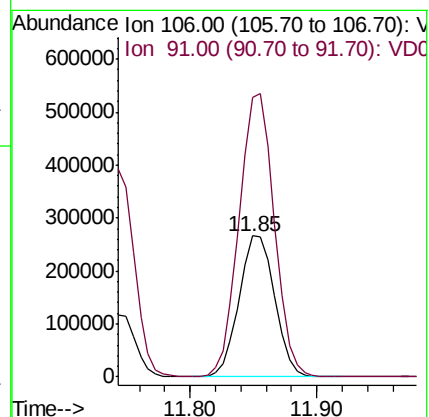
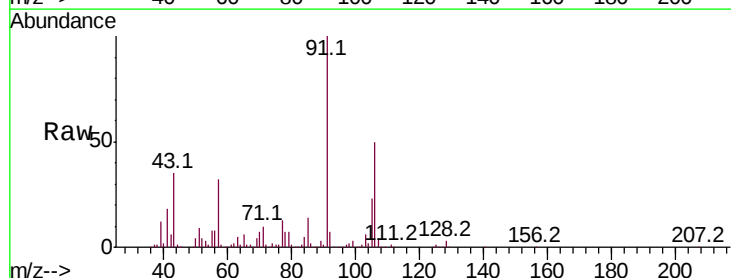
Acq: 03 Oct 2020 02:26

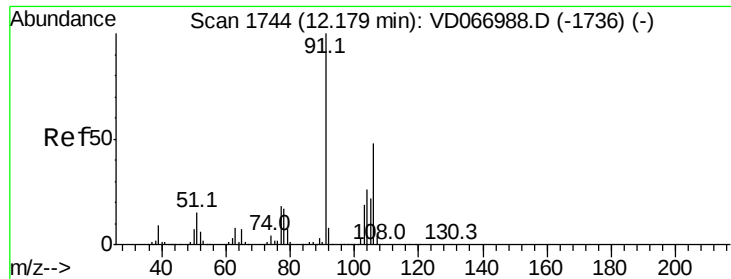
Tgt Ion: 106 Resp: 519155

Ion Ratio Lower Upper

106 100

91 198.2 158.4 237.6

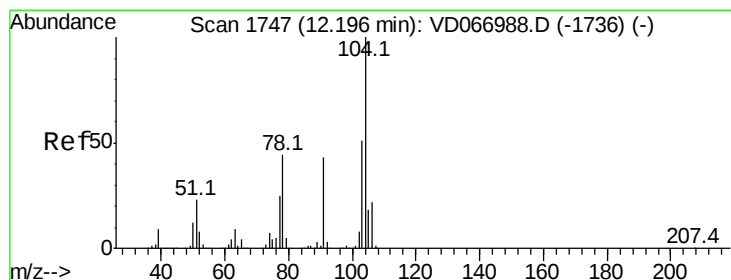
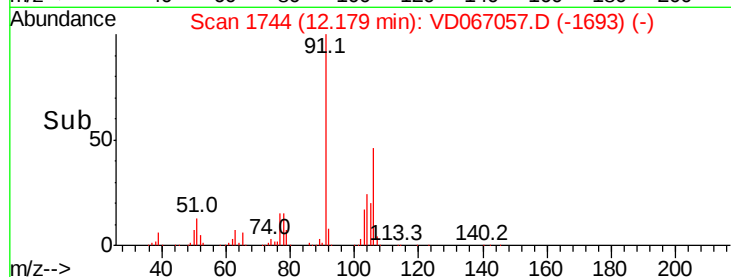
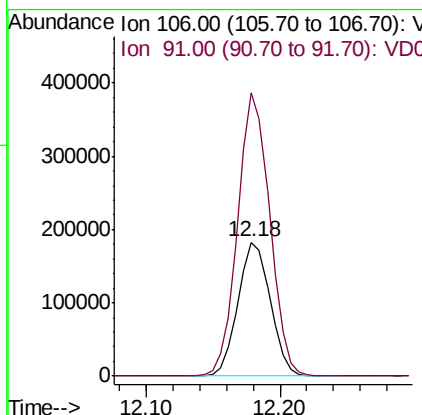
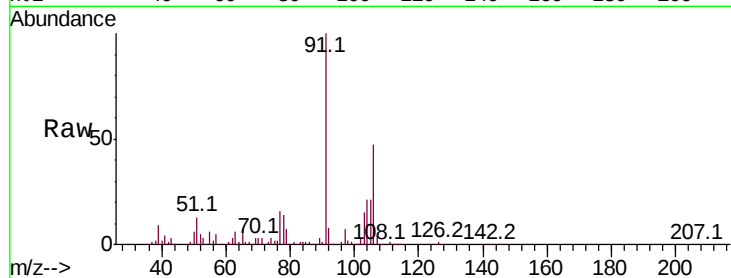




#69
o-Xylene
Concen: 58.366 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

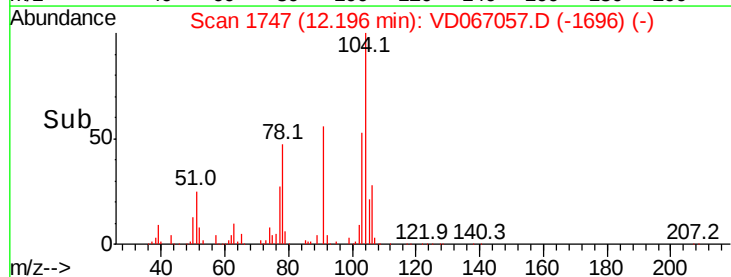
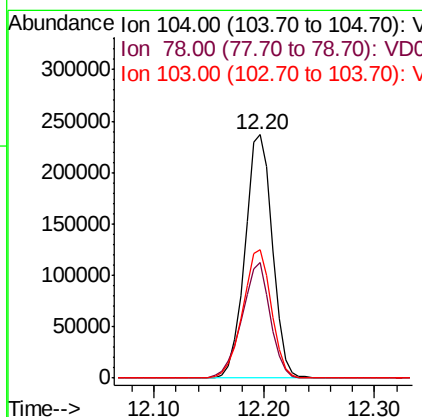
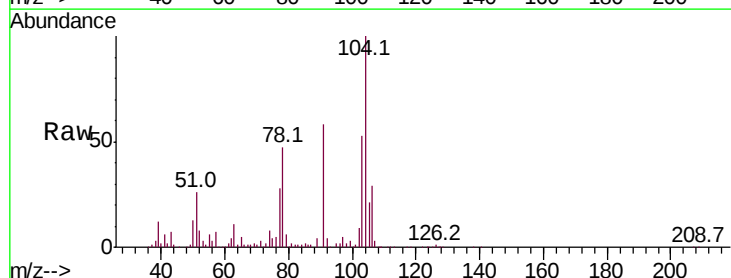
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

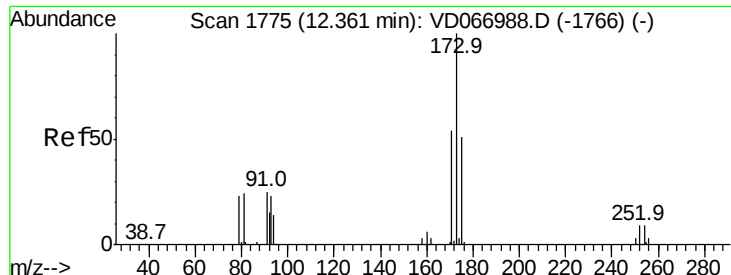
Tot Ion:106 Resp: 306114
Ion Ratio Lower Upper
106 100
91 210.7 102.4 307.2



#70
Styrene
Concen: 45.787 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion:104 Resp: 412362
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 55.3 43.4 65.0





#71

Bromoform

Concen: 52.785 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

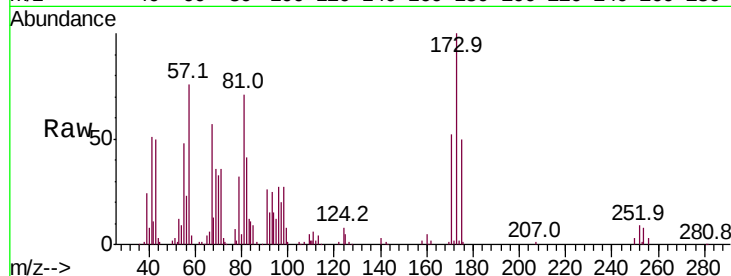
Tot Ion:173 Resp: 91545

Ion Ratio Lower Upper

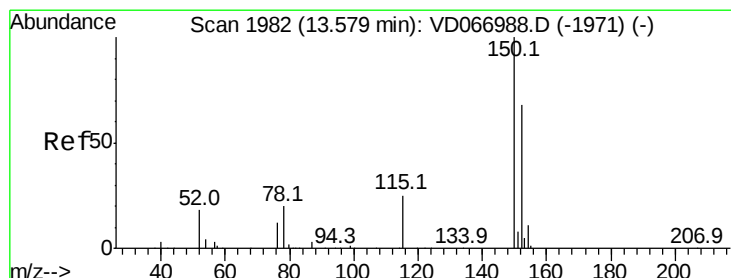
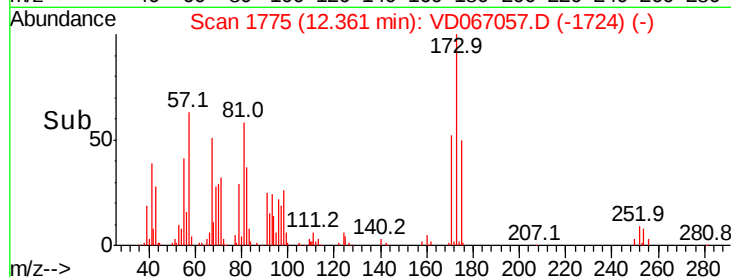
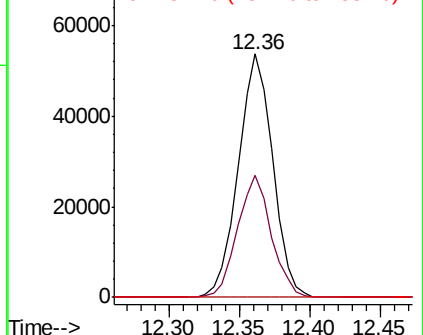
173 100

175 49.1 24.9 74.7

254 0.0 0.2 0.4#



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: VD067057.D

Acq: 03 Oct 2020 02:26

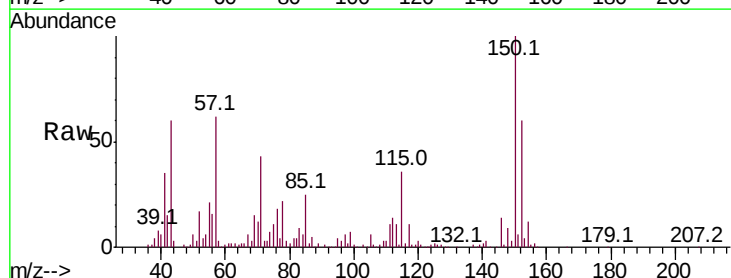
Tgt Ion:152 Resp: 117483

Ion Ratio Lower Upper

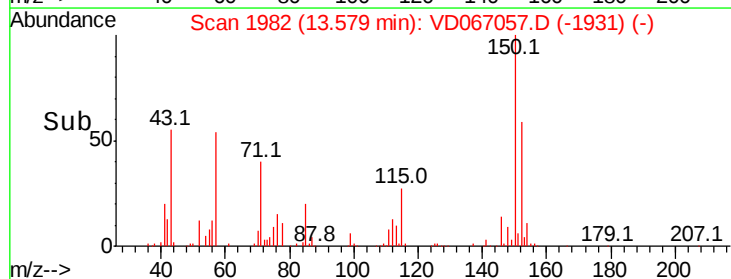
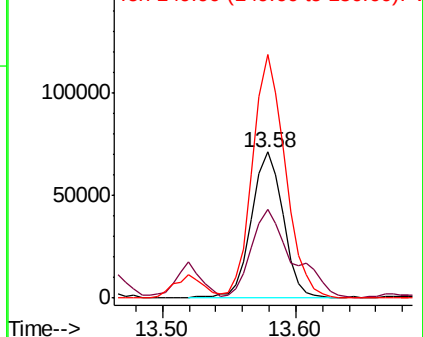
152 100

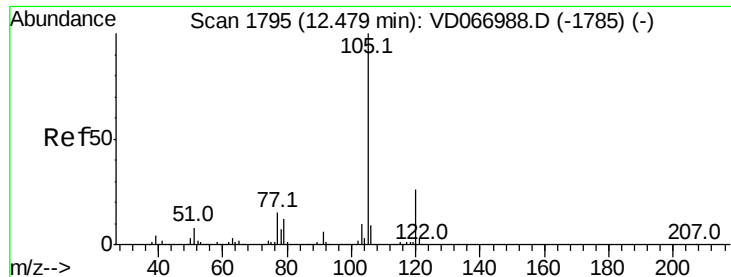
115 77.4 29.6 88.8

150 171.1 0.0 344.8



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

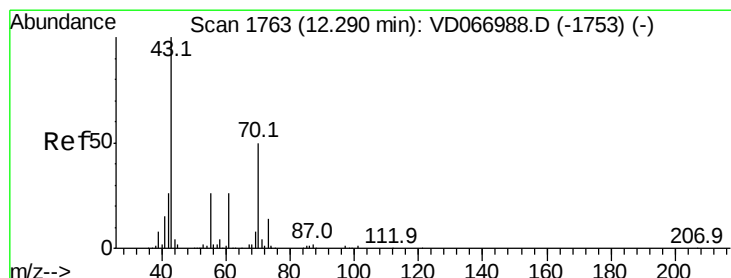
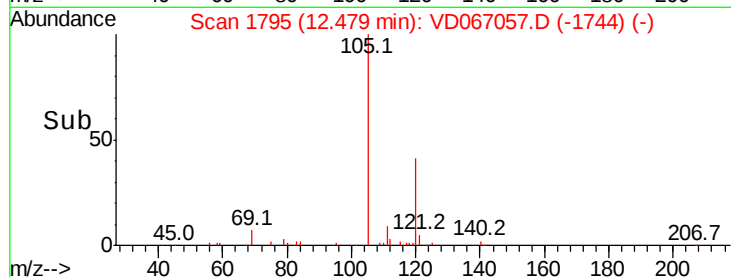
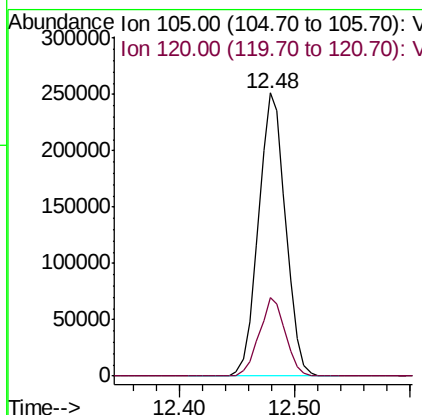
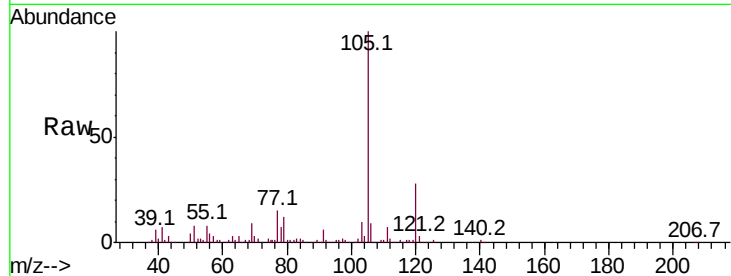




#73
Isopropylbenzene
Concen: 51.513 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

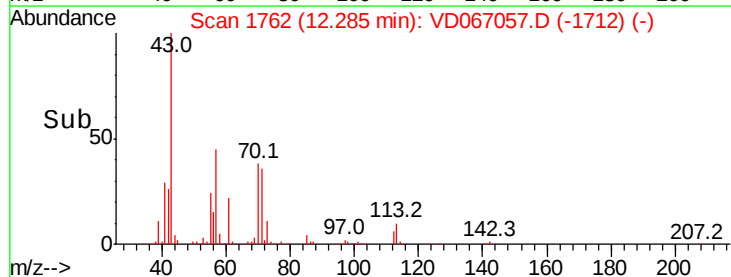
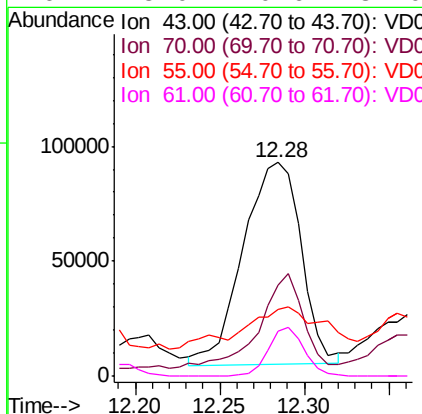
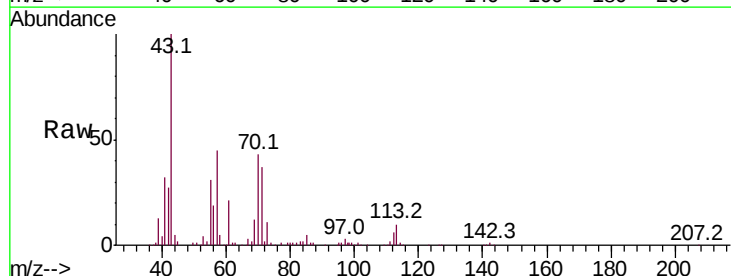
Instrument :
MSVOA_D
ClientSampled :
B-18(0-1)MSD

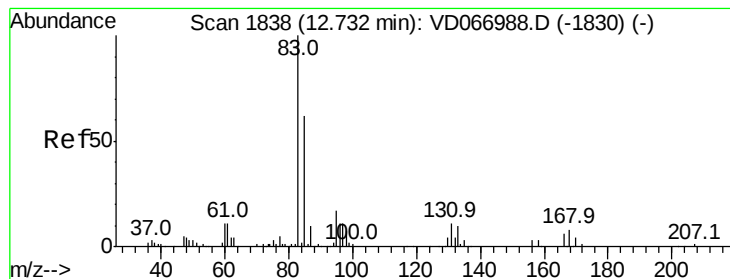
Tot Ion:105 Resp: 410932
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



#74
N-ethyl acetate
Concen: 145.963 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 43 Resp: 209318
Ion Ratio Lower Upper
43 100
70 35.6 38.2 57.2#
55 22.1 22.4 33.6#
61 15.0 20.6 31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 91.853 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

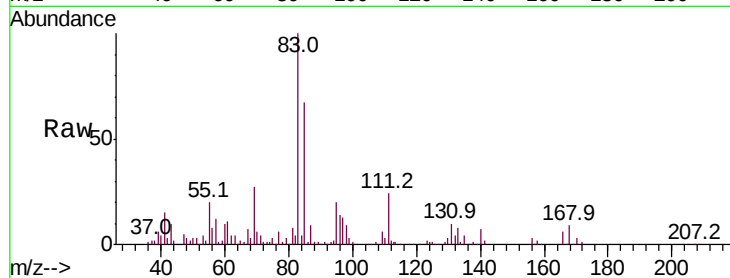
Tot Ion: 83 Resp: 123455

Ion Ratio Lower Upper

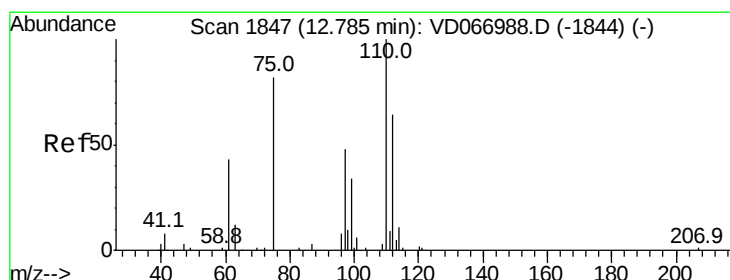
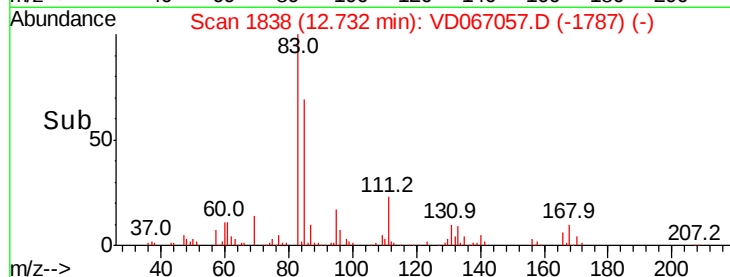
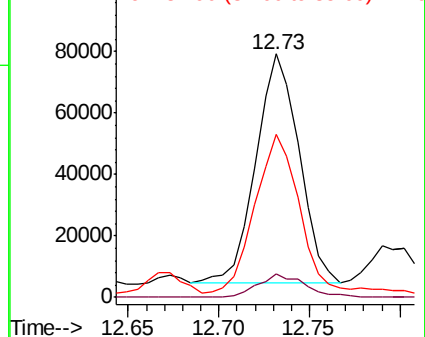
83 100

131 11.2 5.7 17.0

85 70.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 160.132 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067057.D

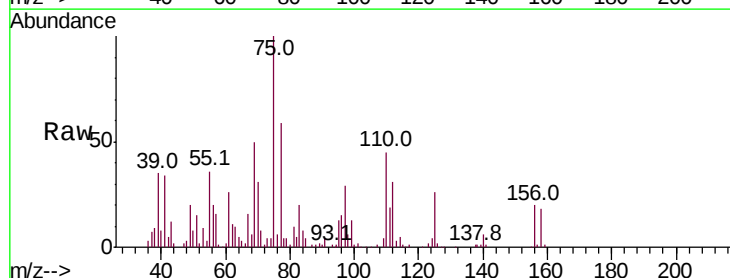
Acq: 03 Oct 2020 02:26

Tgt Ion: 75 Resp: 163866

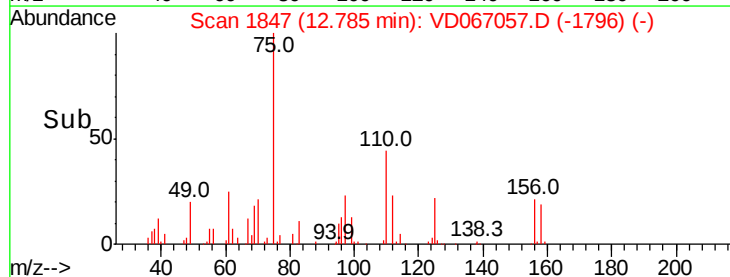
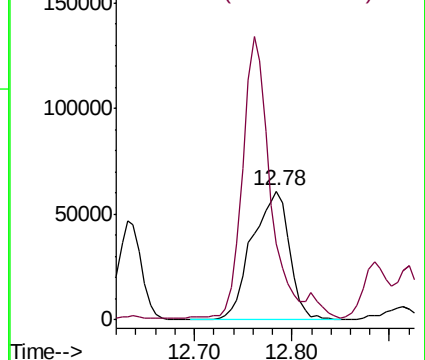
Ion Ratio Lower Upper

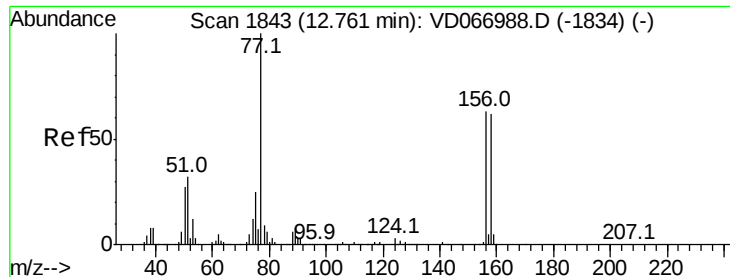
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 73.652 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

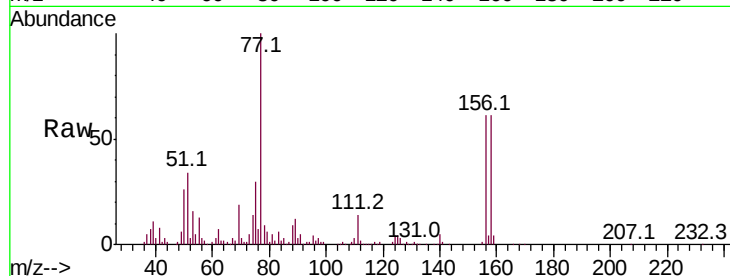
Tot Ion:156 Resp: 141869

Ion Ratio Lower Upper

156 100

77 184.8 86.3 258.8

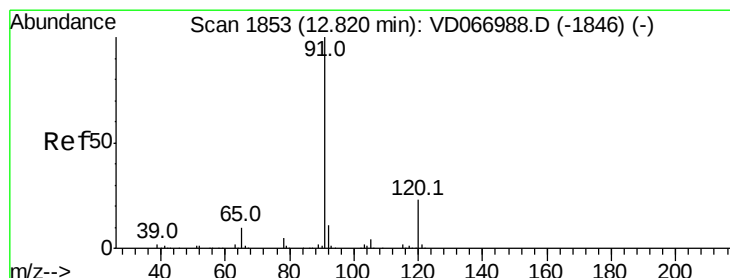
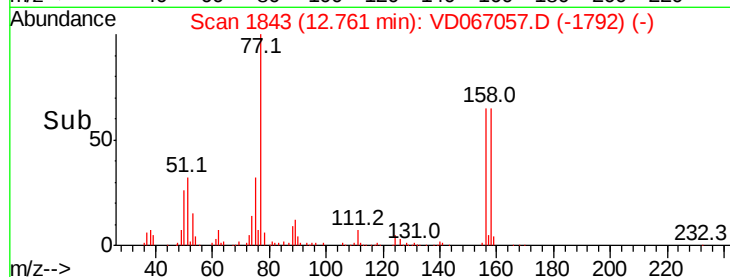
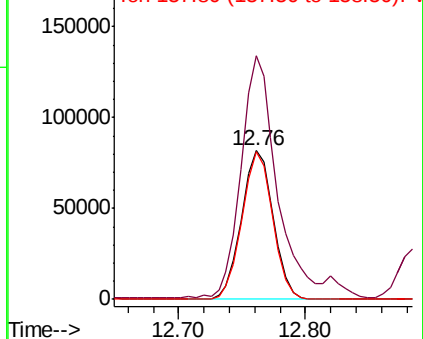
158 96.2 49.5 148.3



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: 41.706 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD067057.D

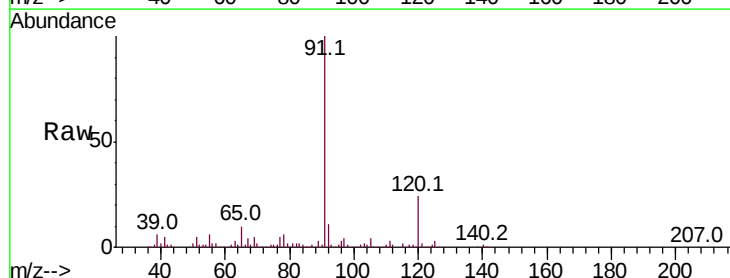
Acq: 03 Oct 2020 02:26

Tgt Ion: 91 Resp: 393193

Ion Ratio Lower Upper

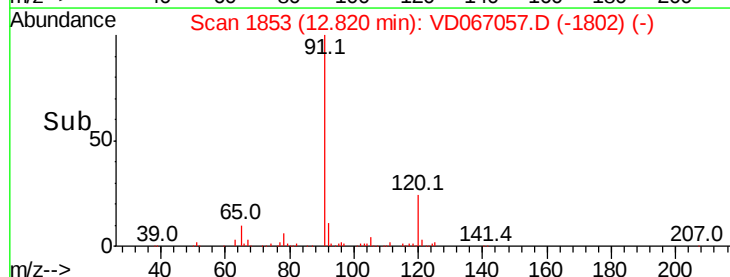
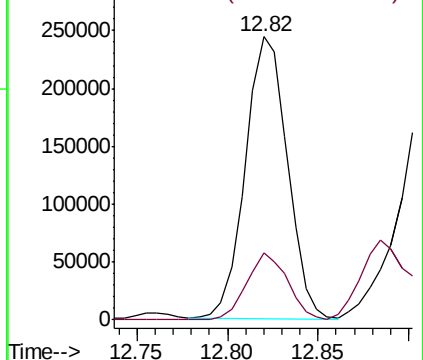
91 100

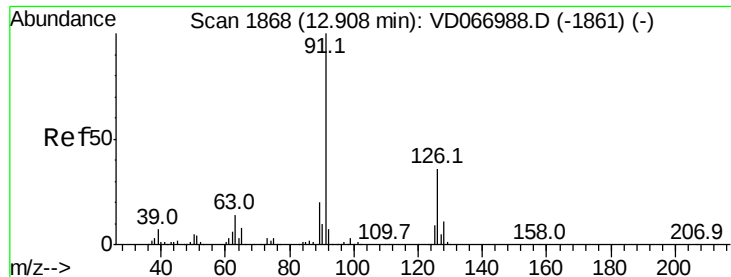
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

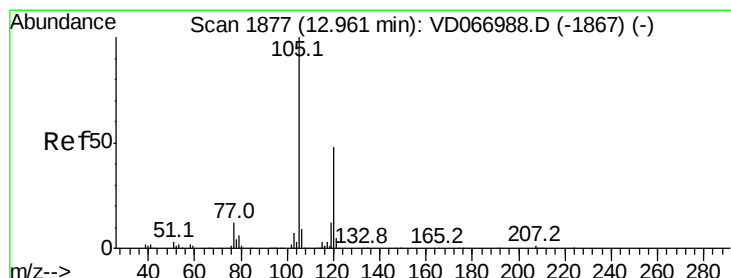
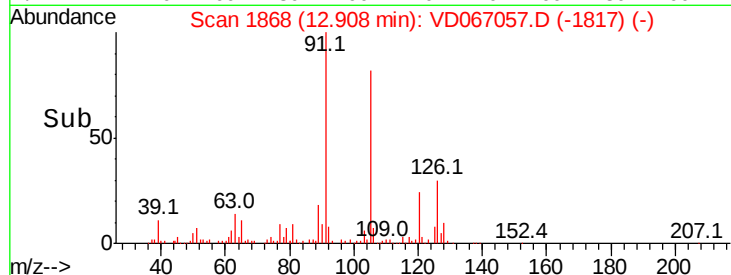
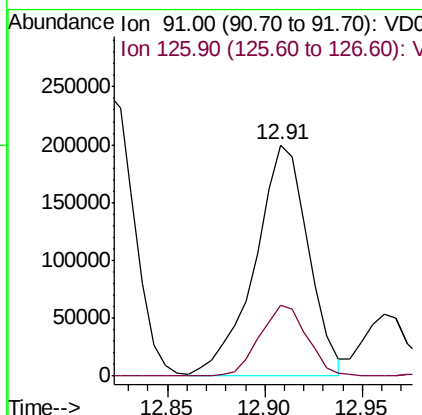
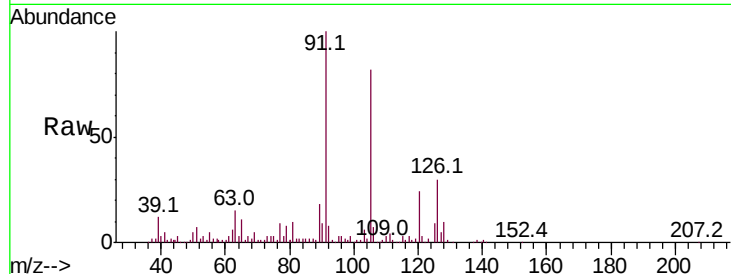




#79
 2-Chlorotoluene
 Concen: 69.694 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

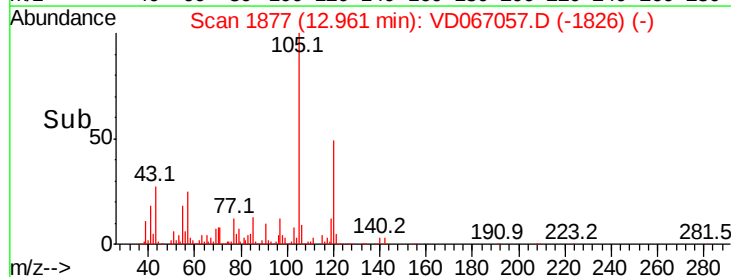
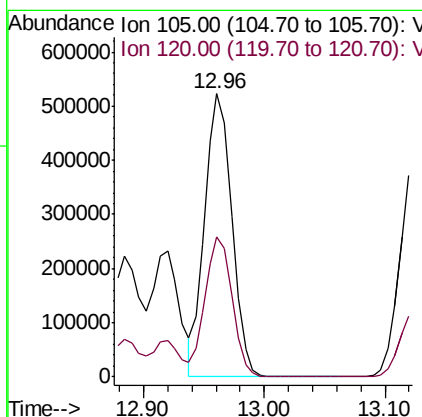
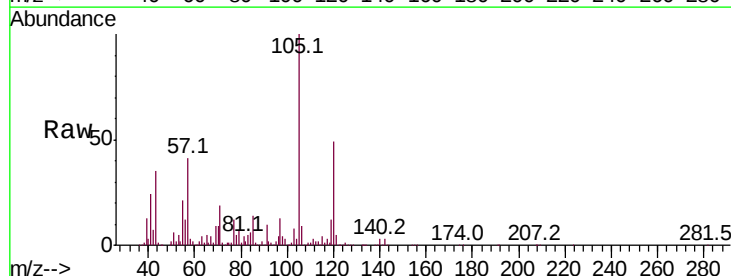
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

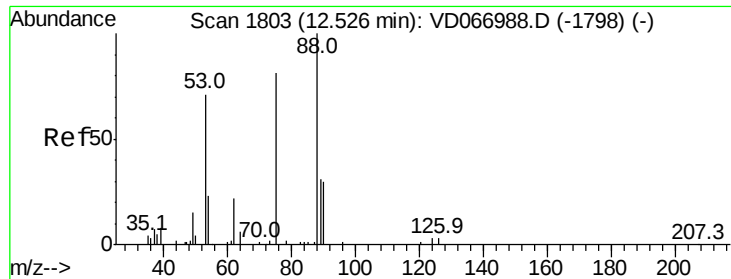
Tot Ion: 91 Resp: 375930
 Ion Ratio Lower Upper
 91 100
 126 27.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 119.978 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion: 105 Resp: 808634
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 98.410 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

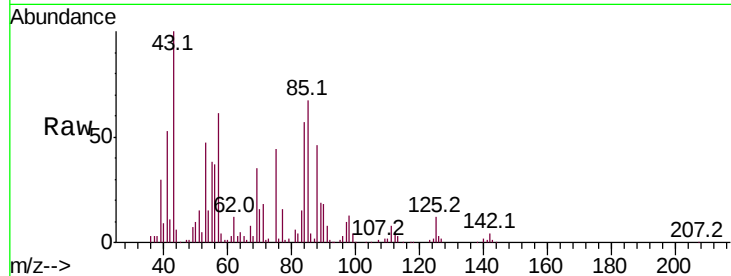
Tot Ion: 75 Resp: 40393

Ion Ratio Lower Upper

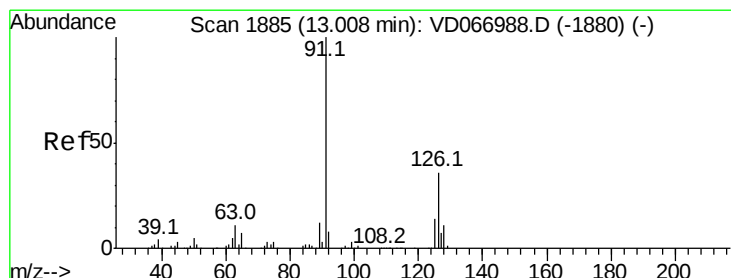
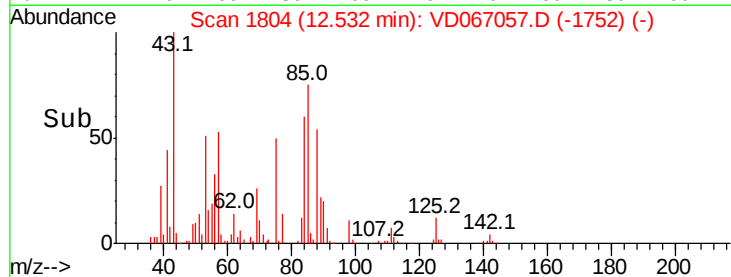
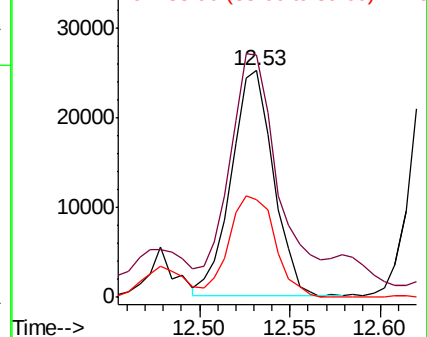
75 100

53 97.2 73.8 110.6

89 49.3 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.417 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067057.D

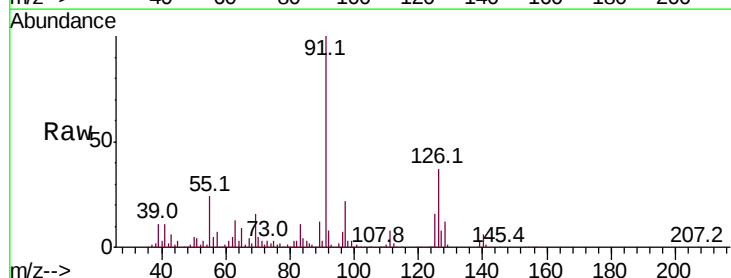
Acq: 03 Oct 2020 02:26

Tgt Ion: 91 Resp: 306559

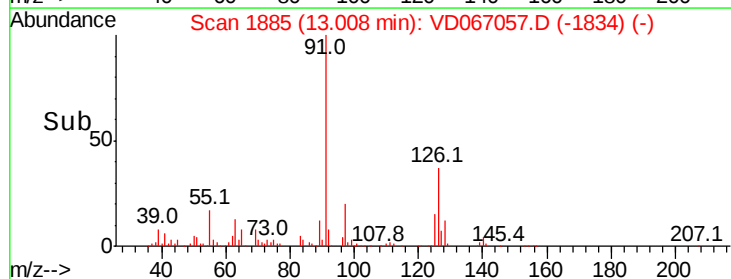
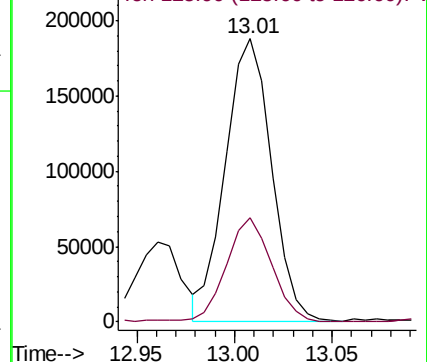
Ion Ratio Lower Upper

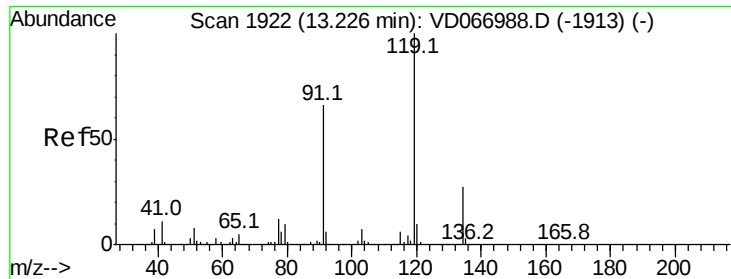
91 100

126 36.1 17.5 52.5



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

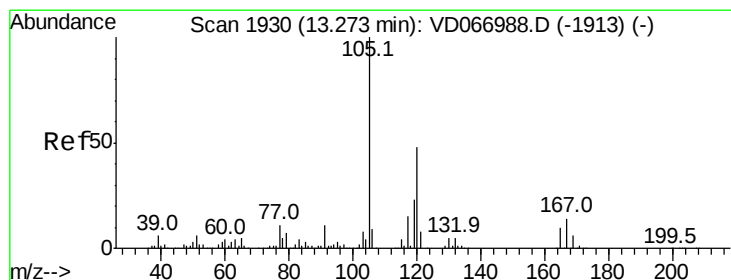
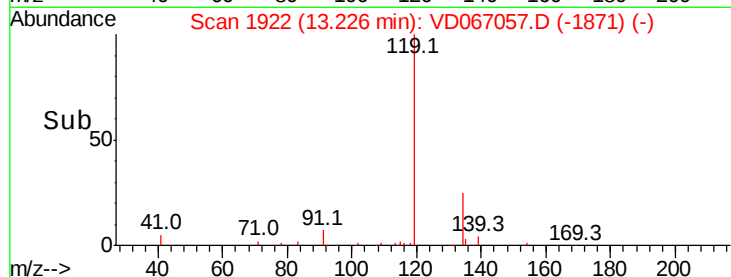
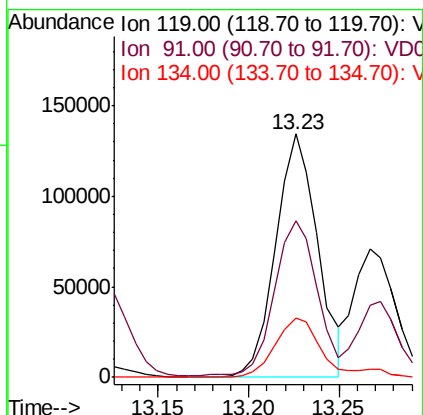
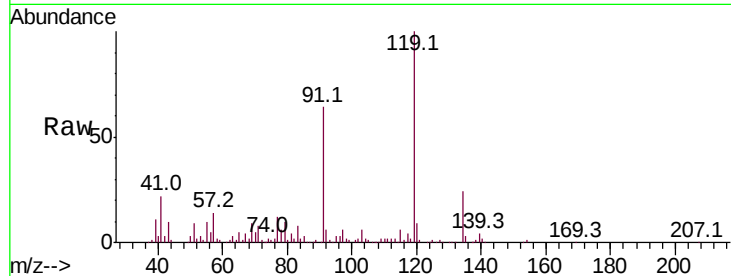




#83
tert-Butylbenzene
Concen: 38.392 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

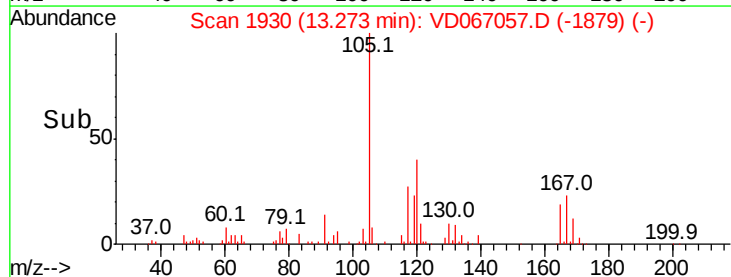
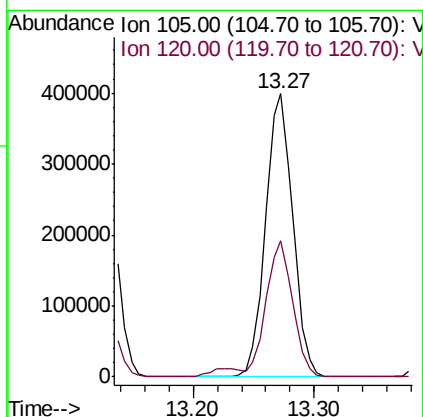
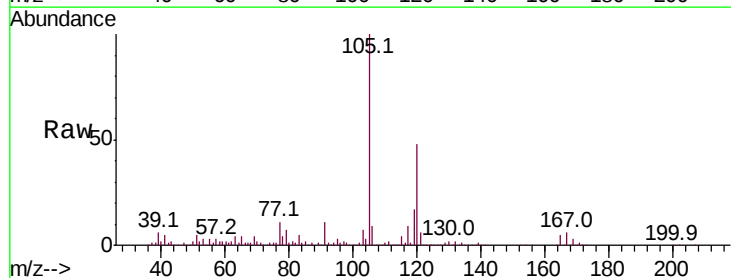
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

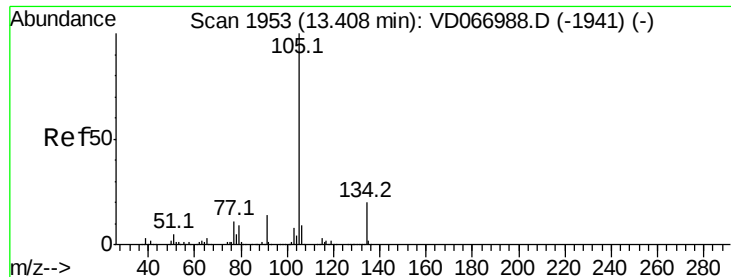
Tot Ion:119 Resp: 217896
Ion Ratio Lower Upper
119 100
91 64.6 32.8 98.3
134 28.1 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 91.925 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion:105 Resp: 618301
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 33.666 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

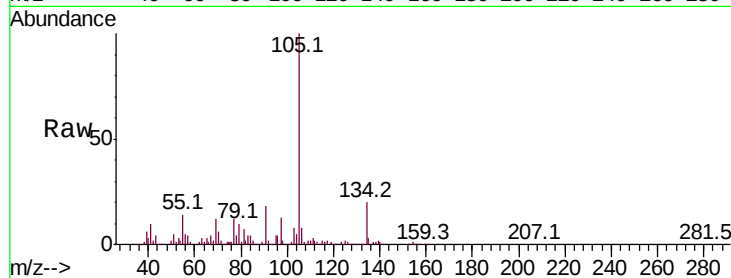
B-18(0-1)MSD

Tot Ion:105 Resp: 269078

Ion Ratio Lower Upper

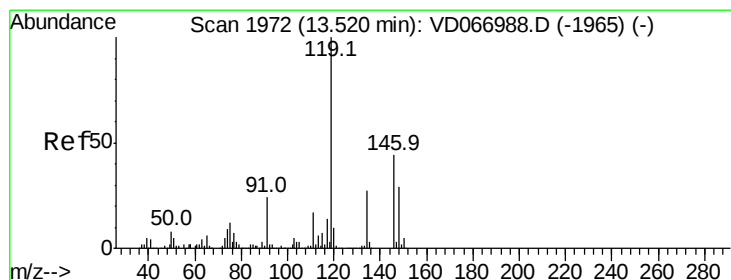
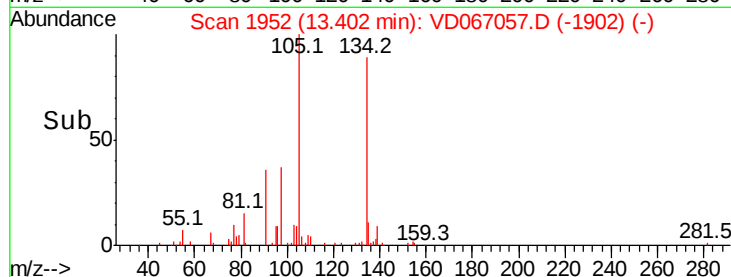
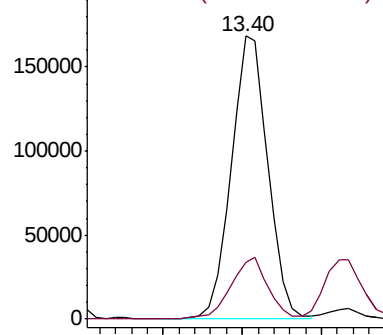
105 100

134 22.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.023 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

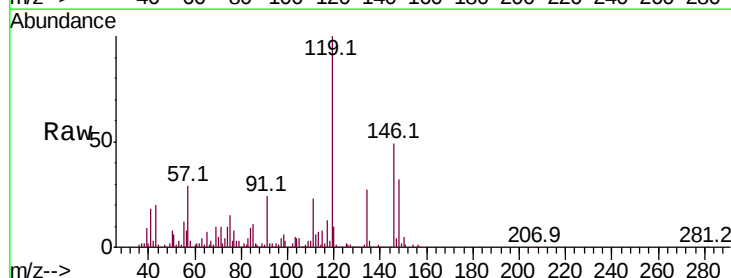
Tgt Ion:119 Resp: 311398

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

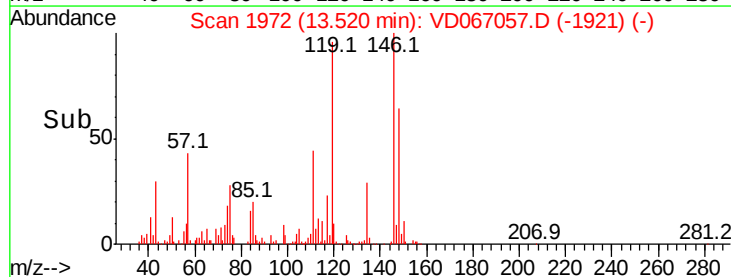
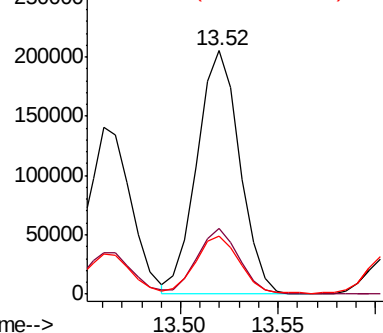
91 24.1 11.7 35.1

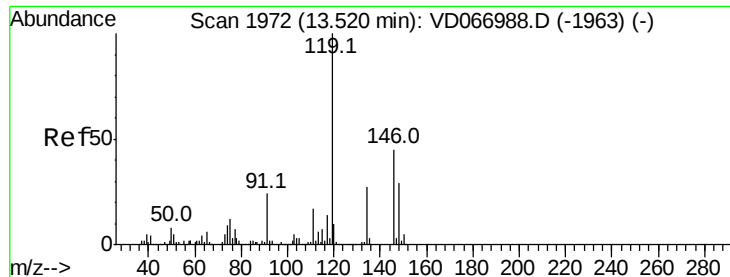


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.573 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

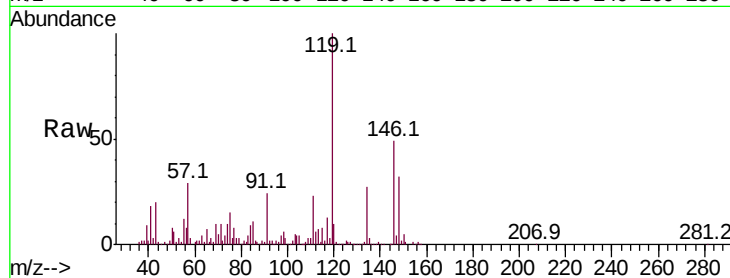
Tot Ion:146 Resp: 167236

Ion Ratio Lower Upper

146 100

111 49.0 20.0 60.0

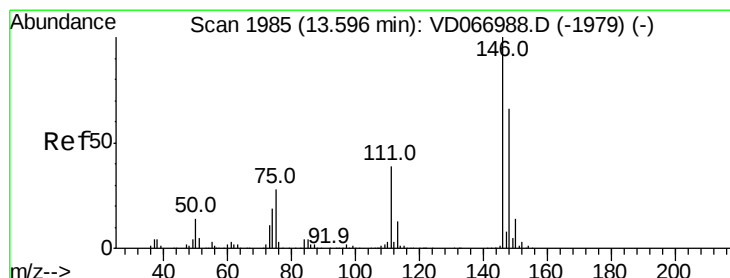
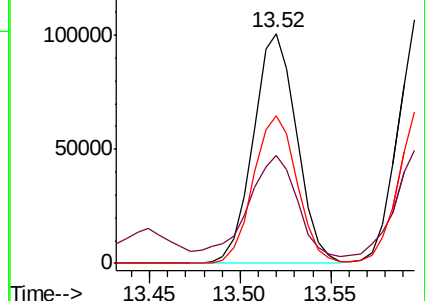
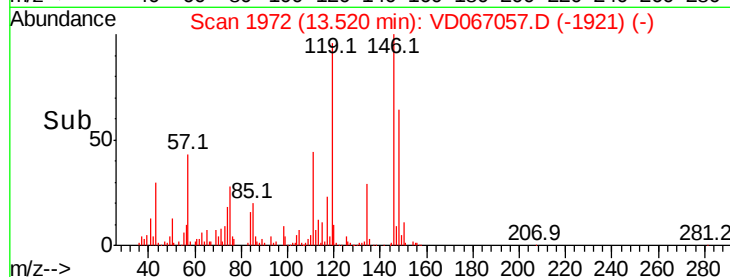
148 64.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.955 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

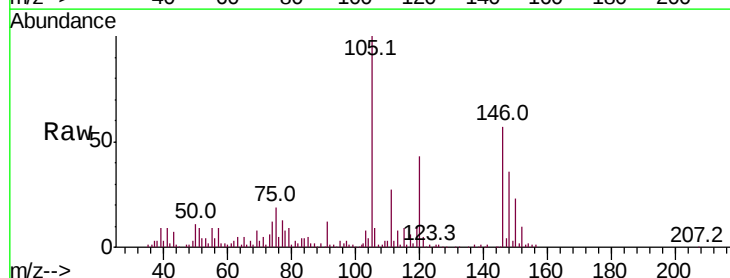
Tgt Ion:146 Resp: 176153

Ion Ratio Lower Upper

146 100

111 45.4 19.6 58.7

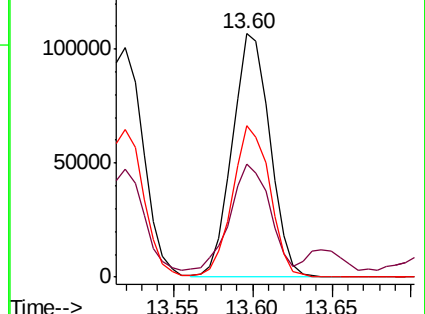
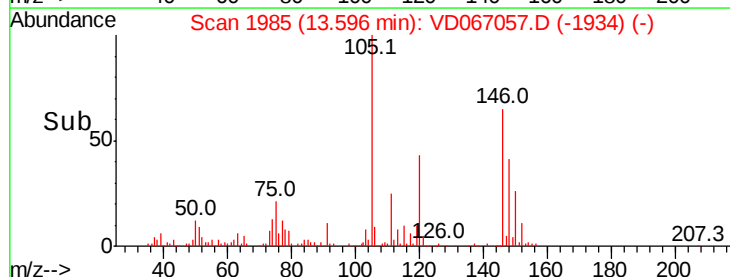
148 61.9 32.6 97.7

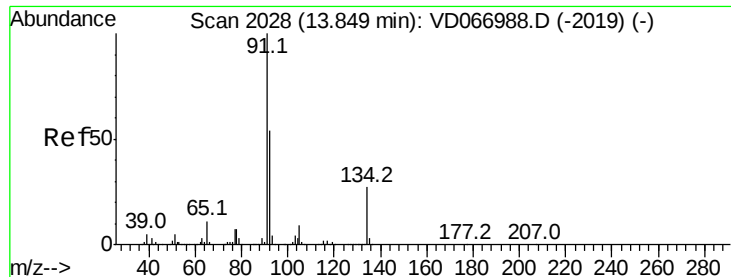


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

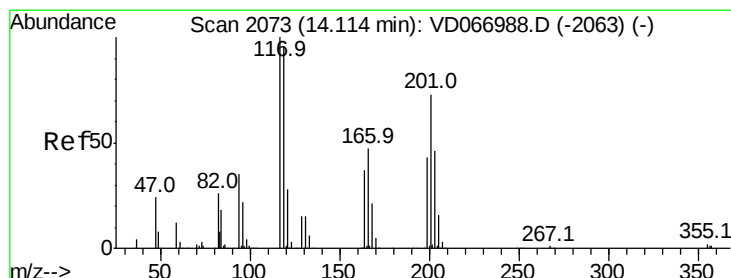
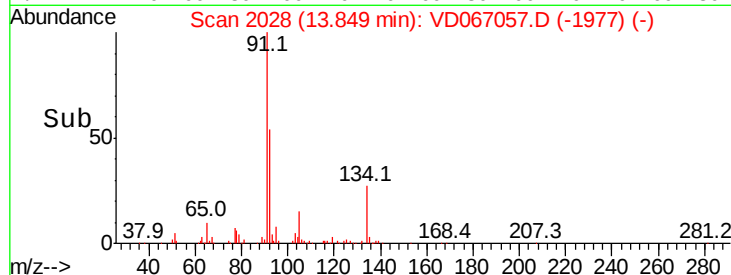
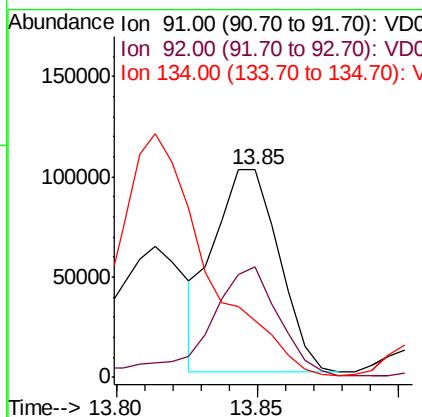
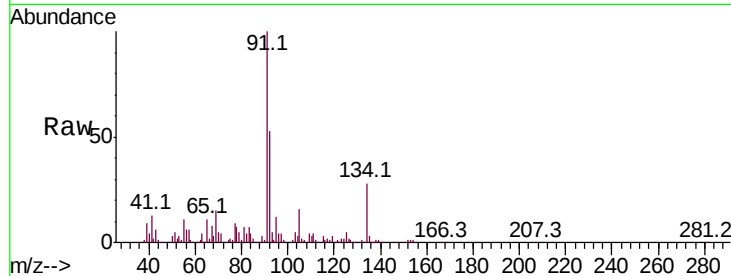




#89
n-Butylbenzene
Concen: 23.853 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

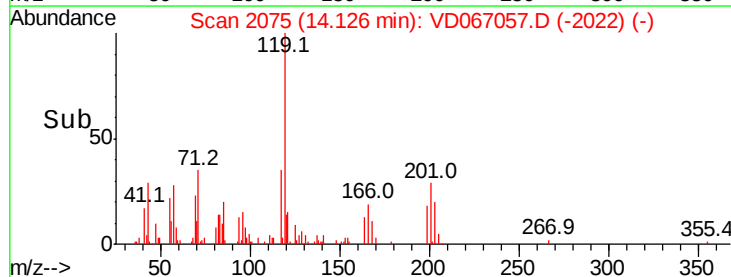
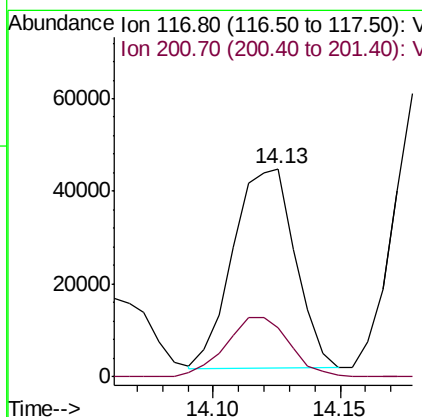
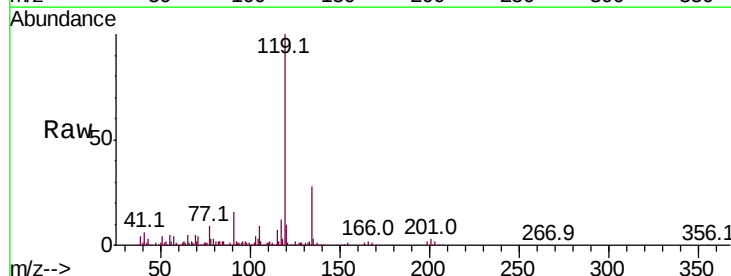
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

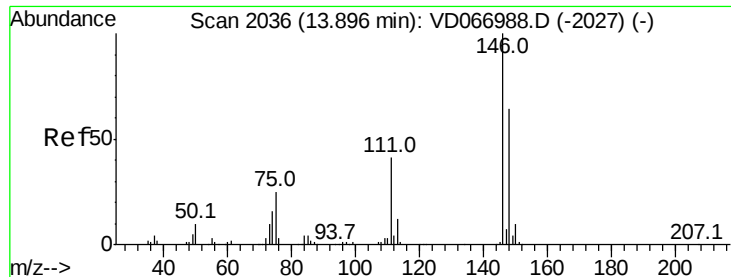
Tot Ion: 91 Resp: 161537
Ion Ratio Lower Upper
91 100
92 58.2 27.1 81.2
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 56.553 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 117 Resp: 73406
Ion Ratio Lower Upper
117 100
201 30.6 37.0 110.9#





#91

1,2-Dichlorobenzene

Concen: 47.444 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

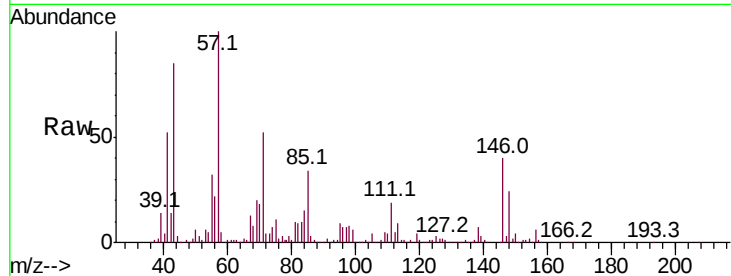
Tot Ion:146 Resp: 155459

Ion Ratio Lower Upper

146 100

111 52.6 20.9 62.7

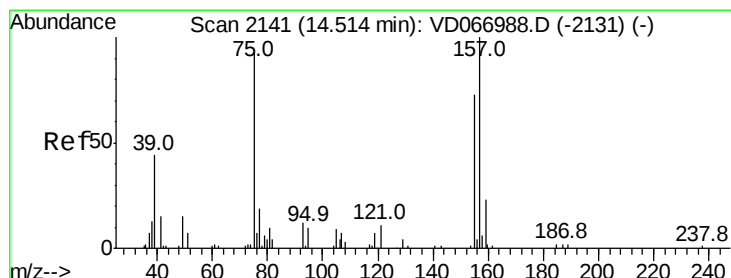
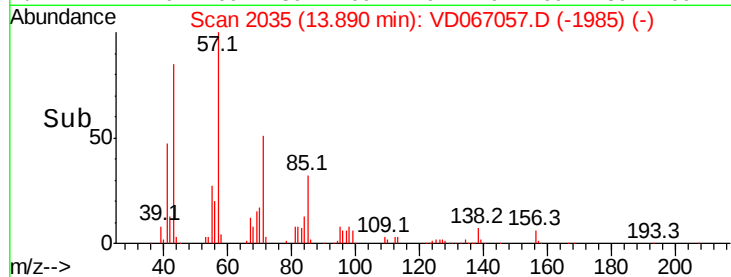
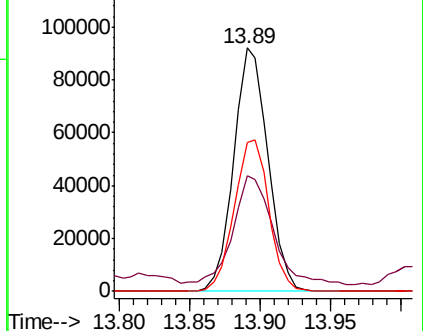
148 63.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 100.402 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

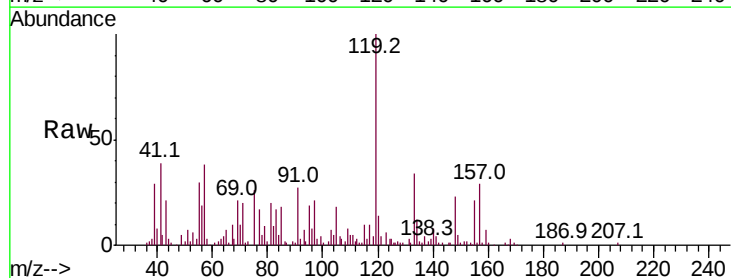
Tgt Ion: 75 Resp: 21753

Ion Ratio Lower Upper

75 100

155 81.0 45.2 135.6

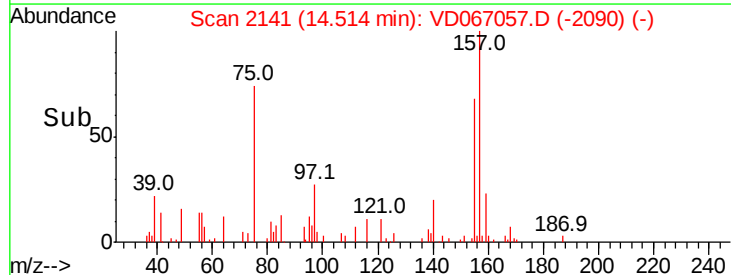
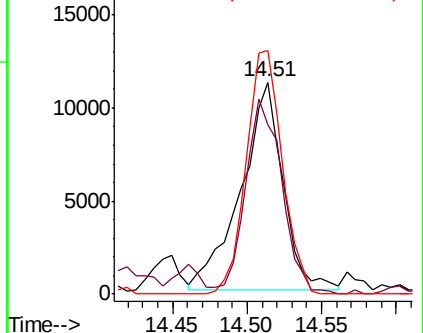
157 100.4 56.3 168.8

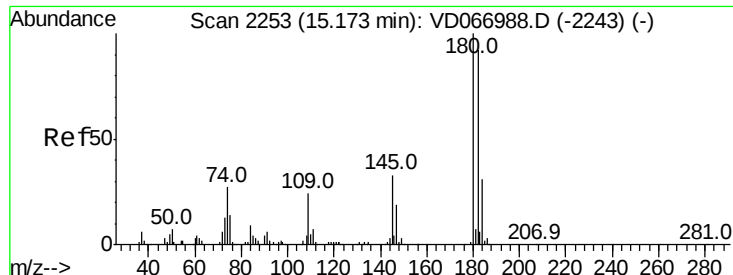


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

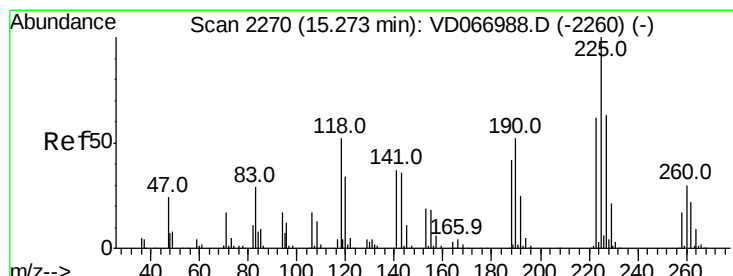
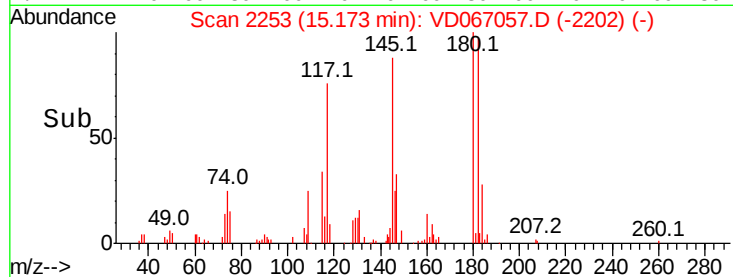
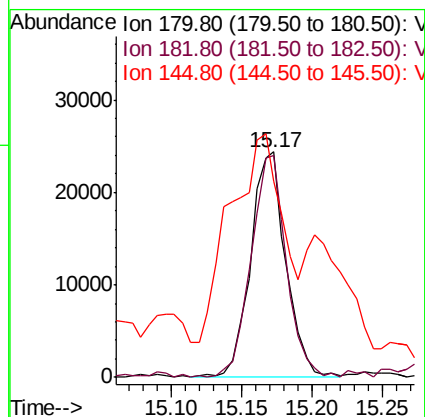
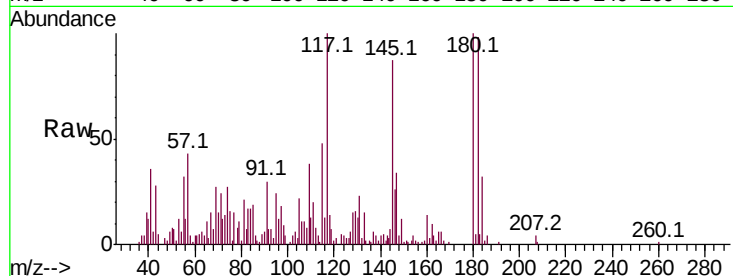




#93
 1,2,4-Trichlorobenzene
 Concen: 20.245 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

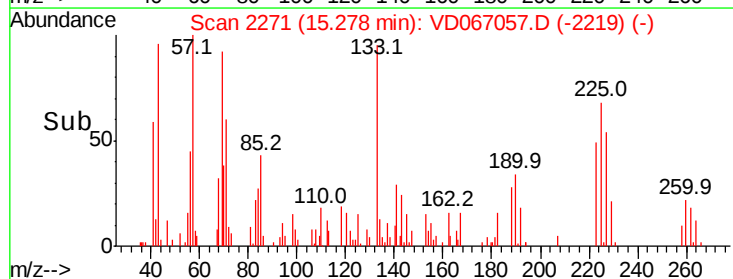
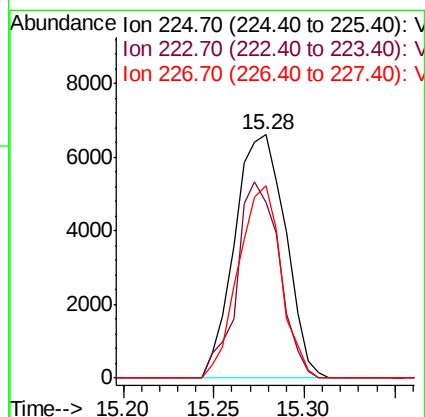
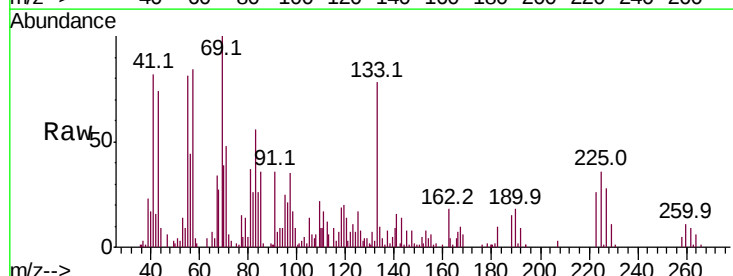
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

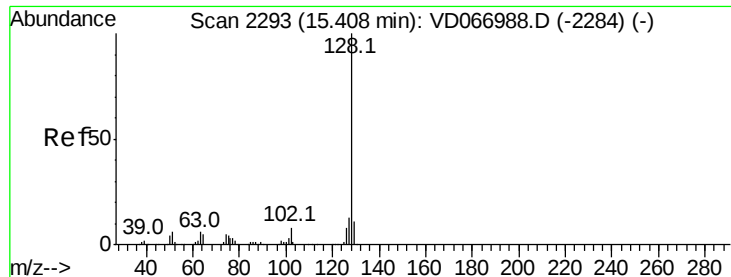
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.3	142.0
145	154.2	16.4	49.1#



#94
 Hexachlorobutadiene
 Concen: 9.912 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.5	32.4	97.0
227	66.7	31.6	95.0





#95

Naphthalene

Concen: 129.816 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

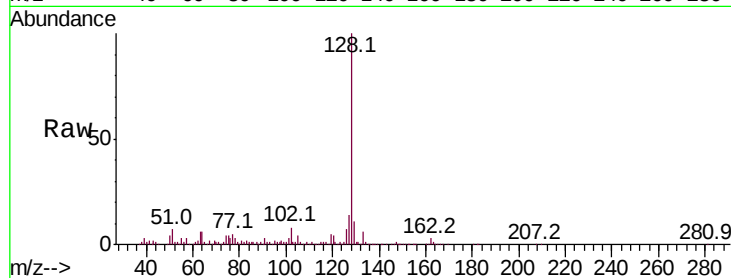
Tot Ion:128 Resp: 458925

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

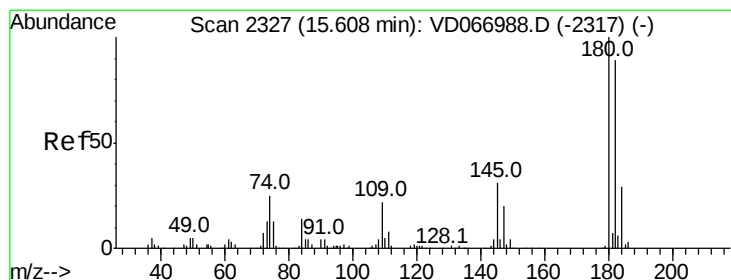
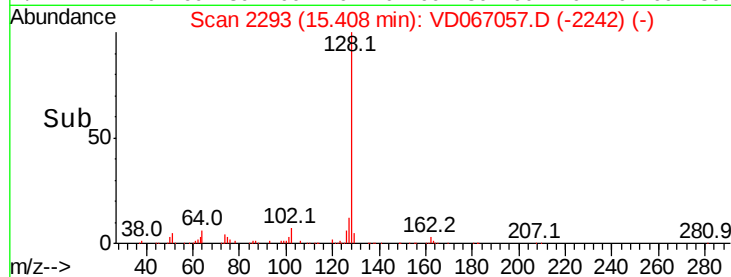
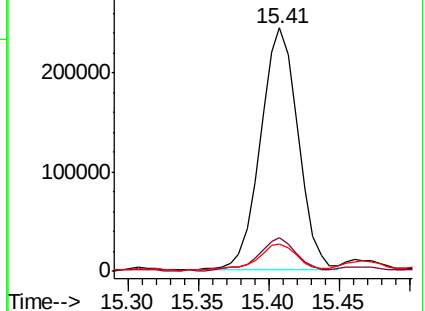
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.713 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

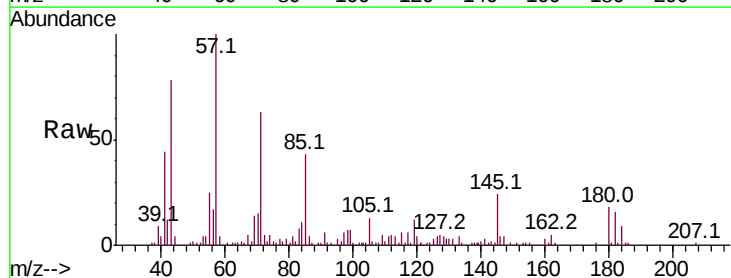
Tgt Ion:180 Resp: 39950

Ion Ratio Lower Upper

180 100

182 82.7 46.4 139.1

145 122.7 16.6 49.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

