

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065991.D
 Acq On : 21 Jul 2020 20:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 22 01:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	494050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	161152	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	
35) Dibromofluoromethane	7.92	113	164569	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.34	98	622192	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.64	95	220191	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	119057	45.099	ug/l	96
3) Chloromethane	2.21	50	109581	50.865	ug/l	99
4) Vinyl Chloride	2.35	62	105612	51.479	ug/l	96
5) Bromomethane	2.77	94	77986	54.503	ug/l	96
6) Chloroethane	2.92	64	66517	54.314	ug/l	95
7) Trichlorofluoromethane	3.27	101	247805	49.659	ug/l	98
8) Diethyl Ether	3.71	74	80026	58.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	150026	49.792	ug/l	100
10) Methyl Iodide	4.30	142	168617	54.447	ug/l	99
11) Tert butyl alcohol	5.22	59	47750	270.354	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	144776	50.337	ug/l	95
13) Acrolein	3.92	56	56585	237.279	ug/l	97
14) Allyl chloride	4.71	41	247795	55.116	ug/l	99
15) Acrylonitrile	5.42	53	175195	297.308	ug/l	99
16) Acetone	4.16	43	166005	289.747	ug/l	95
17) Carbon Disulfide	4.41	76	468312	50.198	ug/l	99
18) Methyl Acetate	4.71	43	75627	56.743	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	356387	60.309	ug/l	98
20) Methylene Chloride	4.96	84	194571	62.138	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	173030	53.230	ug/l	98
22) Diisopropyl ether	6.37	45	503891	58.994	ug/l	99
23) Vinyl Acetate	6.31	43	1482854	307.832	ug/l	98
24) 1,1-Dichloroethane	6.27	63	292867	56.589	ug/l	99
25) 2-Butanone	7.21	43	223357	293.801	ug/l	95
26) 2,2-Dichloropropane	7.21	77	239555	51.474	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	191010	55.499	ug/l	99
28) Bromochloromethane	7.55	49	123631	56.284	ug/l	98
29) Tetrahydrofuran	7.56	42	142238	303.237	ug/l	99
30) Chloroform	7.71	83	300896	55.582	ug/l	96
31) Cyclohexane	7.98	56	246664	48.446	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	264310	52.782	ug/l	100
36) 1,1-Dichloropropene	8.11	75	222879	49.994	ug/l	98
37) Ethyl Acetate	7.29	43	102520	60.215	ug/l	98
38) Carbon Tetrachloride	8.10	117	239435	49.498	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	275089	50.954	ug/l	97
40) Benzene	8.36	78	667057	53.483	ug/l	99
41) Methacrylonitrile	7.57	41	141387	144.963	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	192209	56.239	ug/l	100
43) Isopropyl Acetate	8.45	43	195125	58.678	ug/l	98
44) Trichloroethene	9.11	130	196122	51.963	ug/l	94
45) 1,2-Dichloropropane	9.39	63	166842	55.233	ug/l	100
46) Dibromomethane	9.48	93	91326	56.161	ug/l	97
47) Bromodichloromethane	9.66	83	236539	55.013	ug/l	95
48) Methyl methacrylate	9.46	41	92867	55.364	ug/l	92
49) 1,4-Dioxane	9.46	88	21522	1142.377	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	500119	298.490	ug/l	99
52) Toluene	10.41	92	441964	54.337	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	226193	56.467	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	274128	56.455	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	128861	55.874	ug/l	94
56) Ethyl methacrylate	10.66	69	162584	60.634	ug/l	97
57) 1,3-Dichloropropane	10.95	76	218345	57.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	356355	278.204	ug/l	98
59) 2-Hexanone	10.99	43	342880	295.307	ug/l	96
60) Dibromochloromethane	11.14	129	173791	55.889	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126327	56.810	ug/l	98
64) Tetrachloroethene	10.88	164	172296	51.381	ug/l	96
65) Chlorobenzene	11.67	112	467171	51.645	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	182066	54.509	ug/l	99
67) Ethyl Benzene	11.75	91	820040	52.678	ug/l	99
68) m/p-Xylenes	11.86	106	633051	105.802	ug/l	98
69) o-Xylene	12.18	106	298064	54.771	ug/l	98
70) Styrene	12.20	104	523617	56.000	ug/l	99
71) Bromoform	12.37	173	106687	54.530	ug/l #	98
73) Isopropylbenzene	12.48	105	794591	52.089	ug/l	99
74) N-amyl acetate	12.30	43	185607	58.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	135456	53.731	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	176130	92.789	ug/l #	100
77) Bromobenzene	12.77	156	205340	52.672	ug/l	99
78) n-propylbenzene	12.83	91	923083	52.147	ug/l	100
79) 2-Chlorotoluene	12.91	91	532332	52.639	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	667405	53.253	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46242	55.901	ug/l	97
82) 4-Chlorotoluene	13.01	91	556968	52.179	ug/l	99
83) tert-Butylbenzene	13.23	119	579942	52.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	658532	53.260	ug/l	100
85) sec-Butylbenzene	13.41	105	783472	51.866	ug/l	99
86) p-Isopropyltoluene	13.52	119	727230	52.991	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	381565	52.717	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	379749	51.899	ug/l	98
89) n-Butylbenzene	13.85	91	667665	52.322	ug/l	100
90) Hexachloroethane	14.12	117	142213	50.058	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	334139	53.275	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23308	56.413	ug/l	97

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QLast Update : Tue Jul 21 12:34:13 2020
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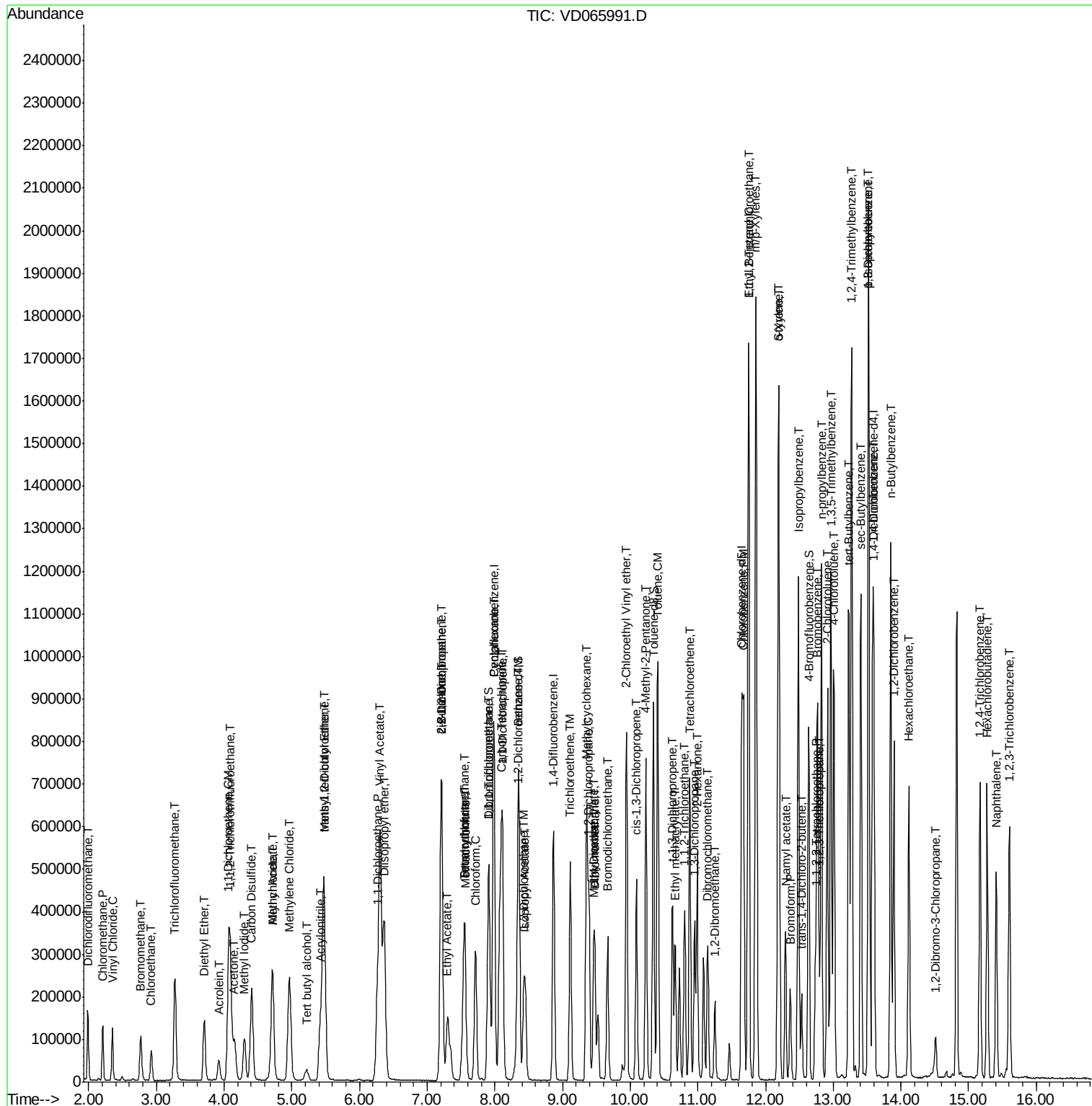
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	247381	54.949	ug/l	100
94) Hexachlorobutadiene	15.28	225	143692	51.627	ug/l	99
95) Naphthalene	15.41	128	432210	53.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	214073	54.697	ug/l	98

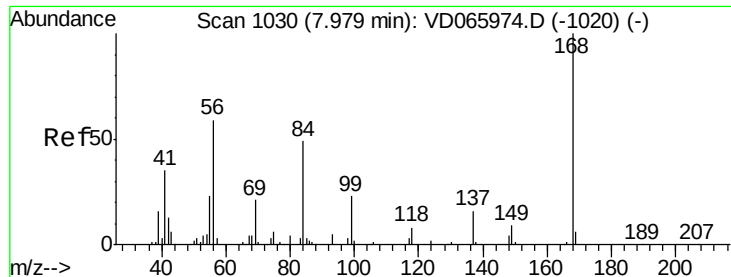
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

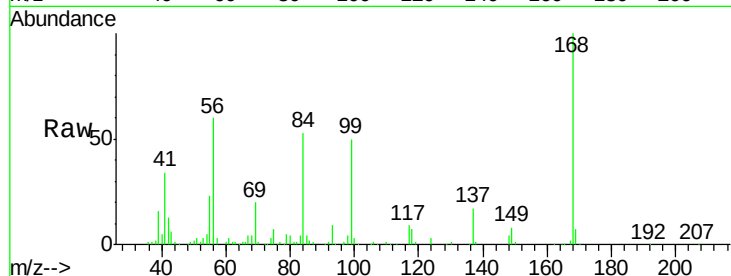
VSTDCCC050EC

Tot Ion:168 Resp: 347858

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

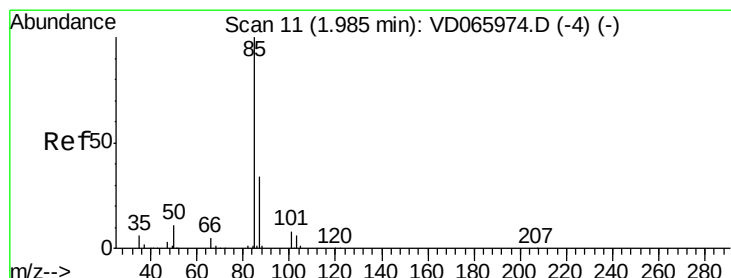
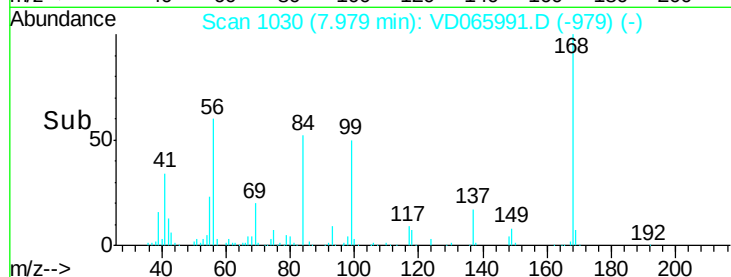
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.099 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065991.D

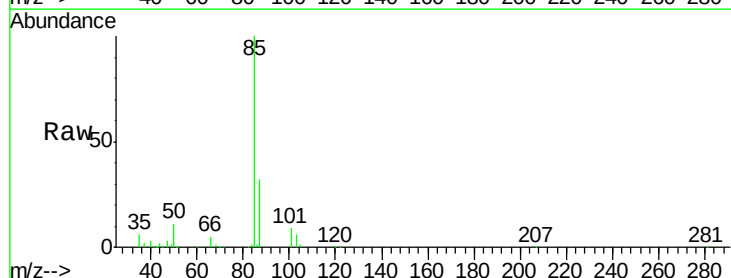
Acq: 21 Jul 2020 20:18

Tgt Ion: 85 Resp: 119057

Ion Ratio Lower Upper

85 100

87 32.1 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

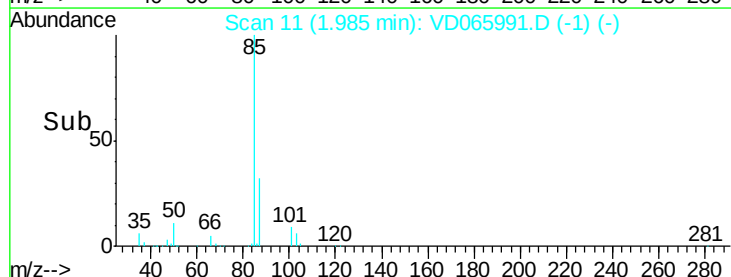
40000

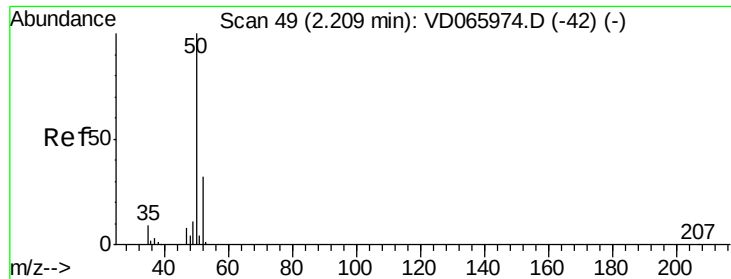
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 50.865 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

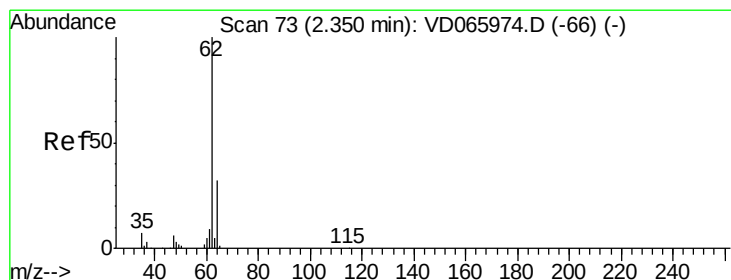
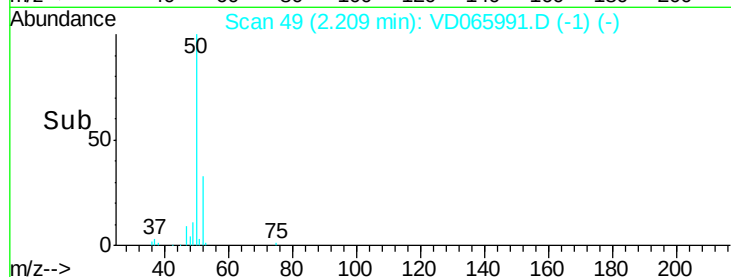
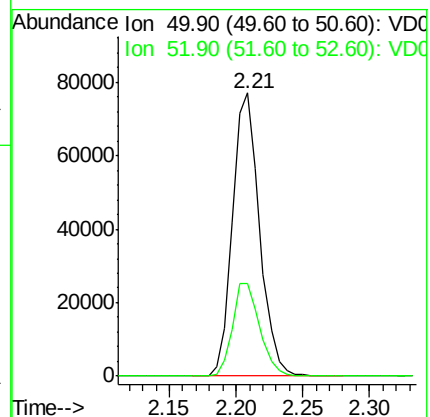
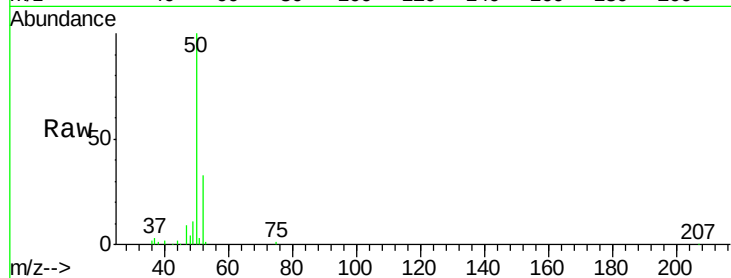
VSTDCCC050EC

Tot Ion: 50 Resp: 109581

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



#4

Vinyl Chloride

Concen: 51.479 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065991.D

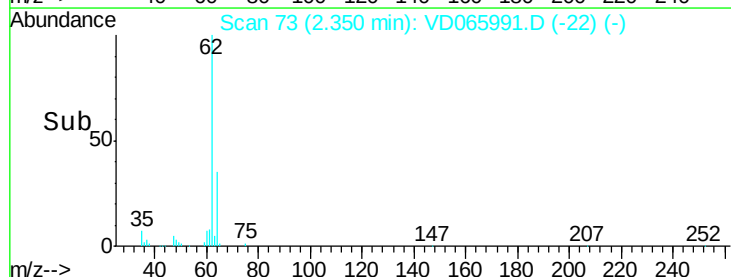
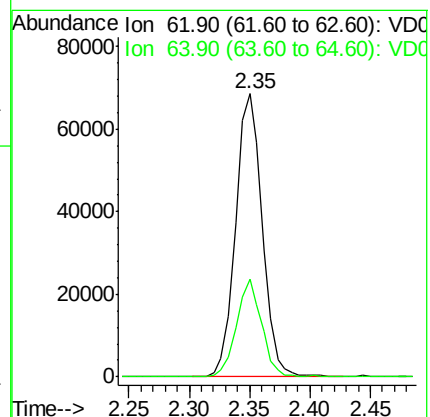
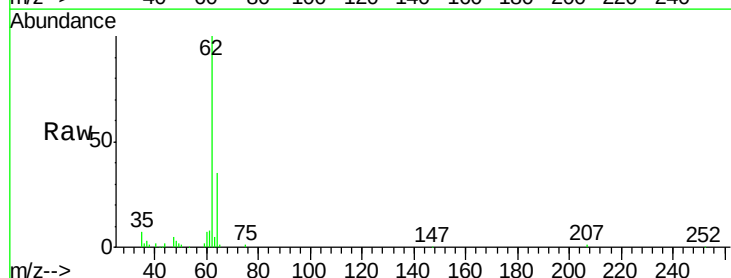
Acq: 21 Jul 2020 20:18

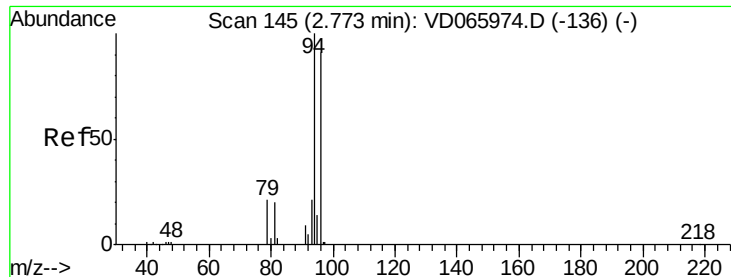
Tgt Ion: 62 Resp: 105612

Ion Ratio Lower Upper

62 100

64 34.6 25.8 38.8





#5

Bromomethane

Concen: 54.503 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

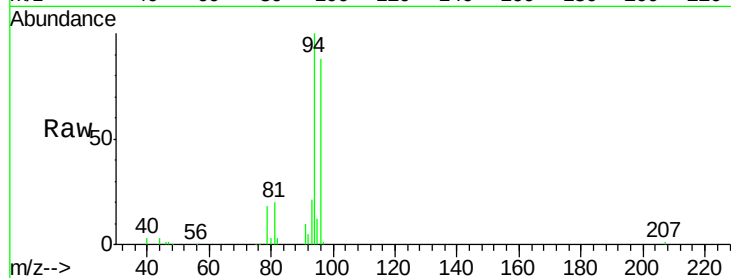
VSTDCCC050EC

Tot Ion: 94 Resp: 77986

Ion Ratio Lower Upper

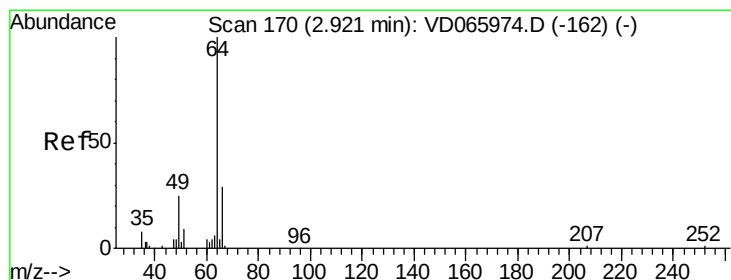
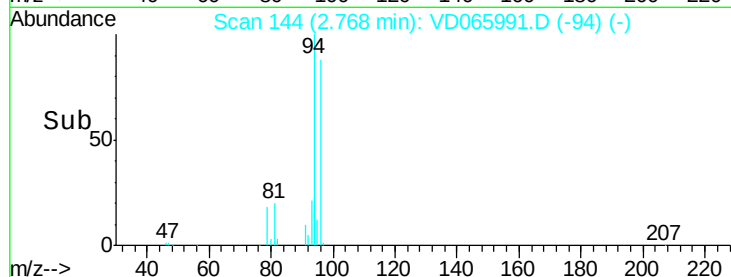
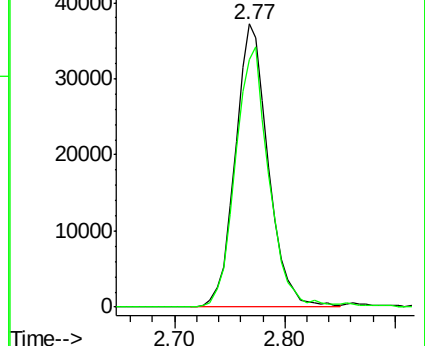
94 100

96 87.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.314 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065991.D

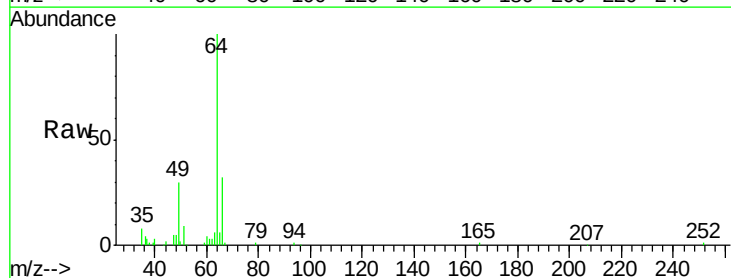
Acq: 21 Jul 2020 20:18

Tgt Ion: 64 Resp: 66517

Ion Ratio Lower Upper

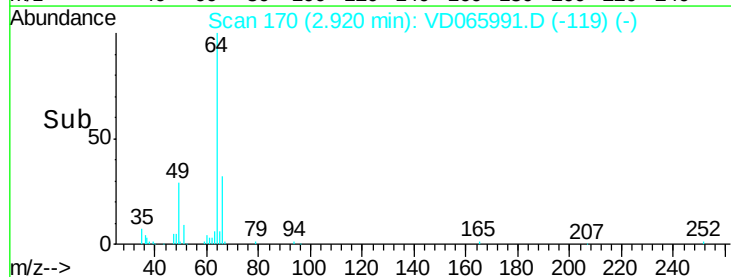
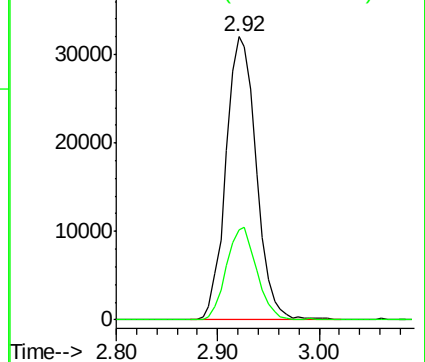
64 100

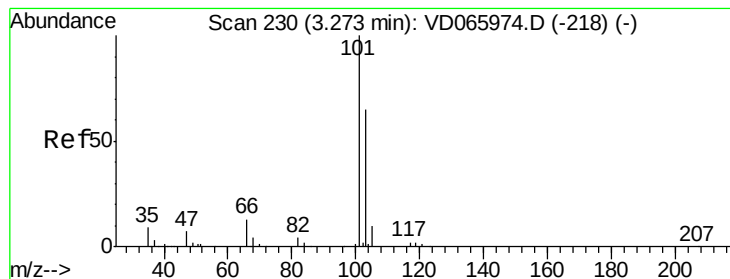
66 31.8 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



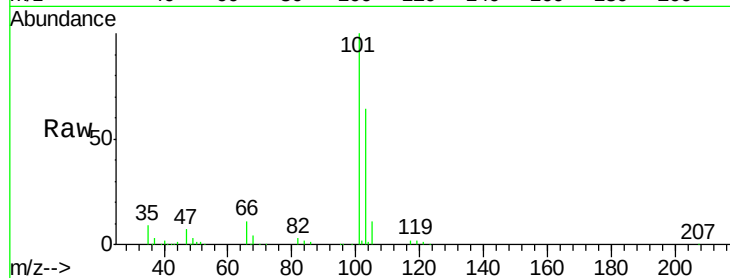


#7

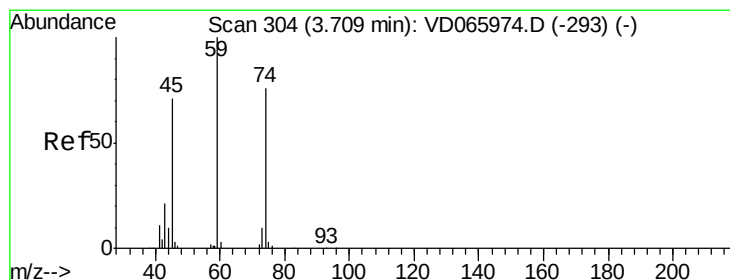
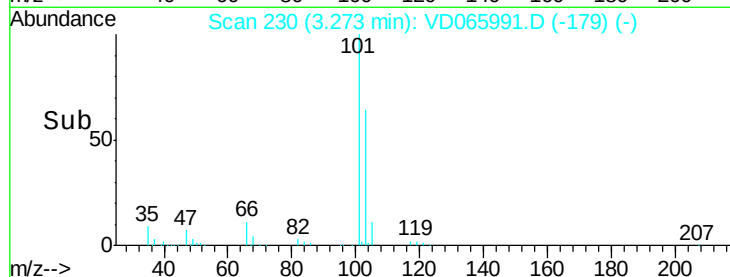
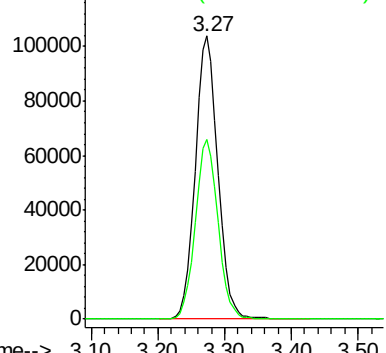
Trichlorofluoromethane
 Concen: 49.659 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065991.D
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Tot Ion:101 Resp: 247805
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.1 78.1



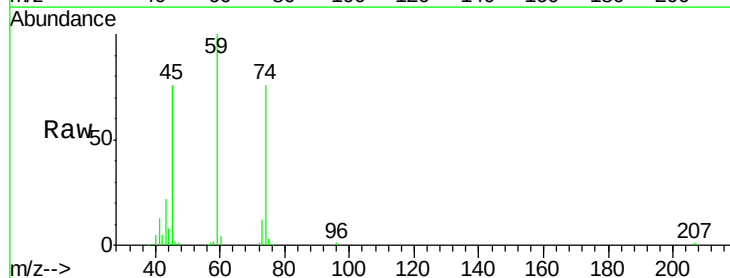
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



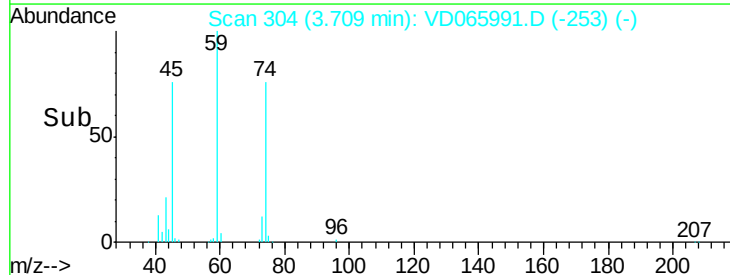
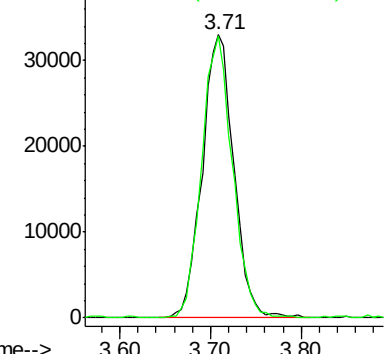
#8

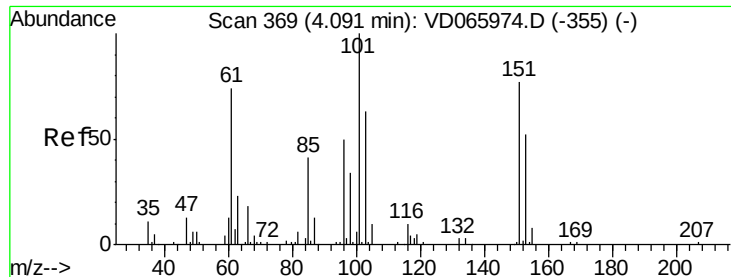
Diethyl Ether
 Concen: 58.019 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065991.D
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Tgt Ion: 74 Resp: 80026
 Ion Ratio Lower Upper
 74 100
 45 97.3 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.792 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065991.D

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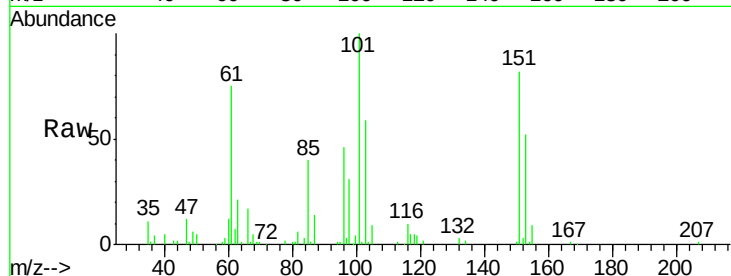
Tot Ion:101 Resp: 150026

Ion Ratio Lower Upper

101 100

85 41.8 33.6 50.4

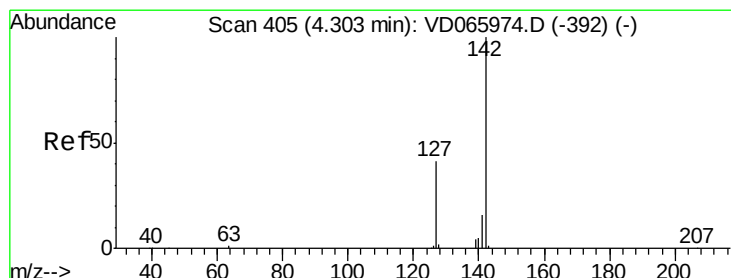
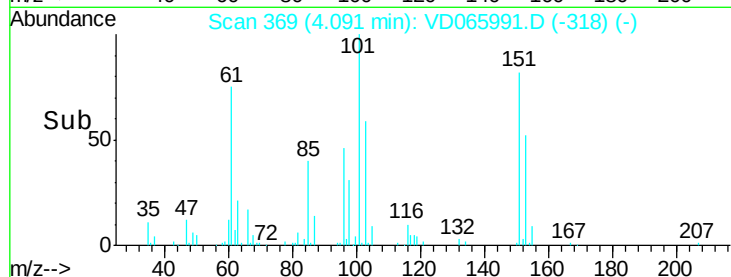
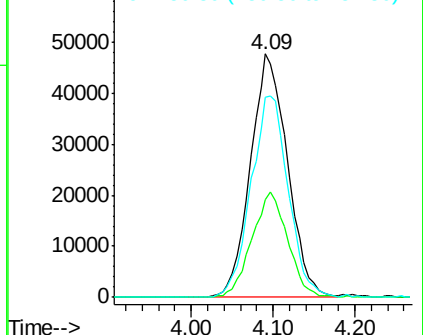
151 83.3 66.6 99.8



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: 54.447 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

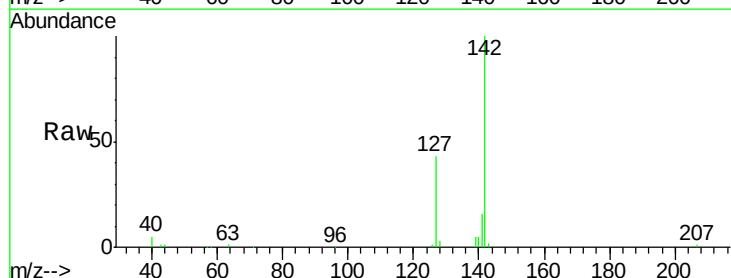
Tgt Ion:142 Resp: 168617

Ion Ratio Lower Upper

142 100

127 41.8 32.9 49.3

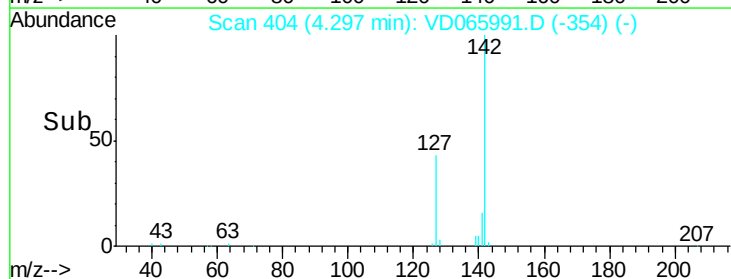
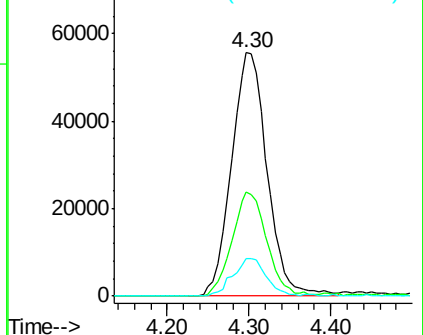
141 14.7 11.8 17.6

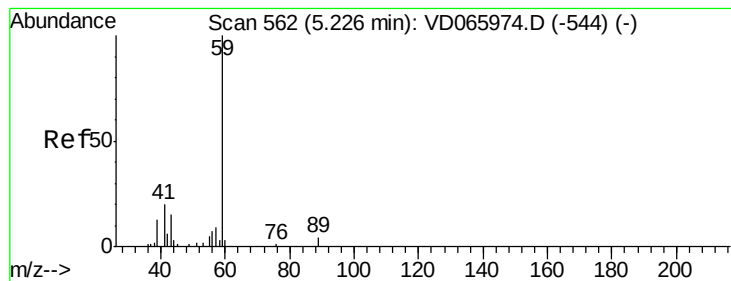


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



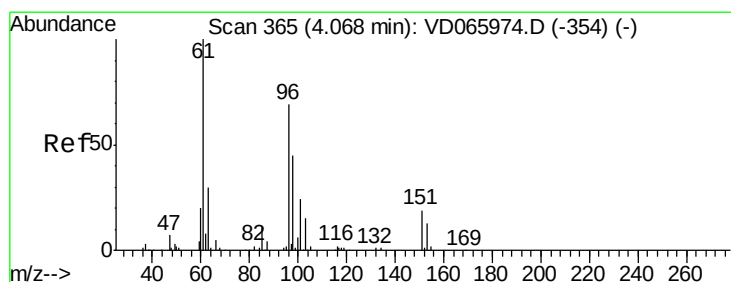
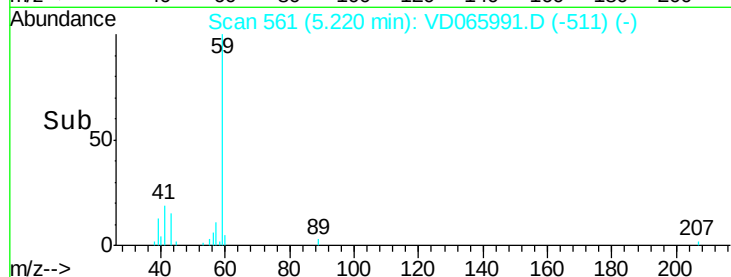
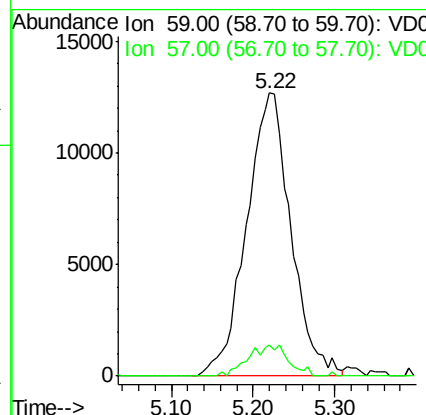
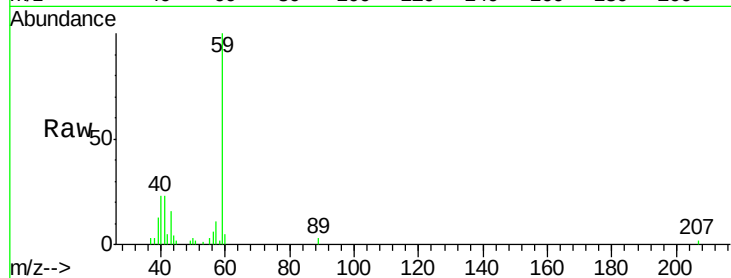


#11

Tert butyl alcohol
 Concen: 270.354 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

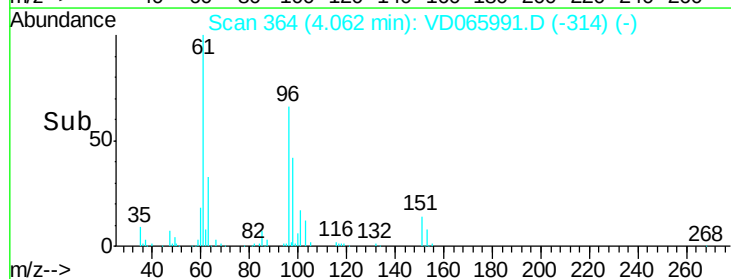
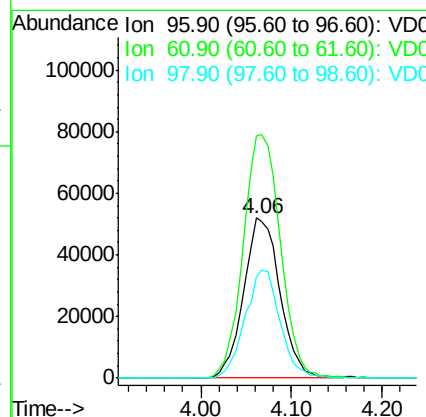
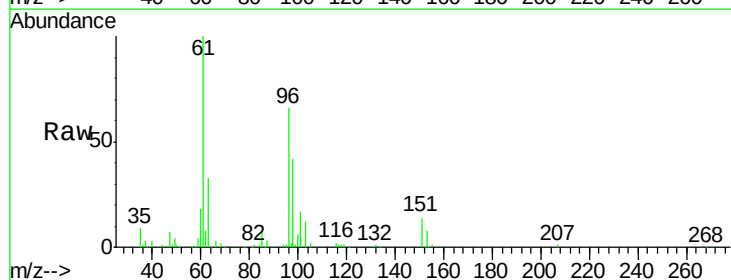
Tot Ion: 59 Resp: 47750
 Ion Ratio Lower Upper
 59 100
 57 10.0 4.5 6.7#

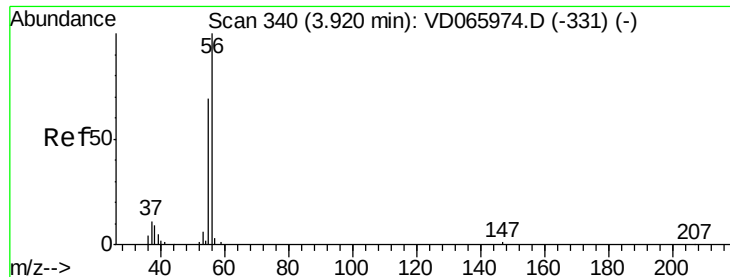


#12

1,1-Dichloroethene
 Concen: 50.337 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 96 Resp: 144776
 Ion Ratio Lower Upper
 96 100
 61 151.7 115.4 173.0
 98 63.2 51.5 77.3





#13

Acrolein

Concen: 237.279 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

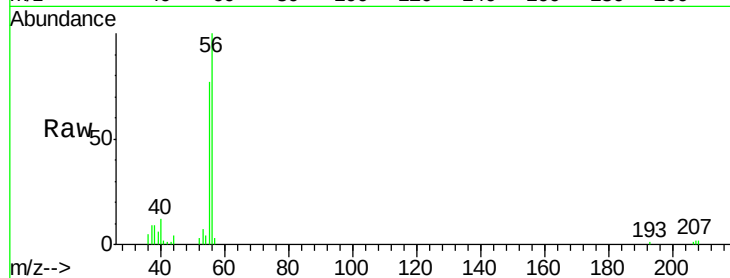
VSTDCCC050EC

Tot Ion: 56 Resp: 56585

Ion Ratio Lower Upper

56 100

55 72.5 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

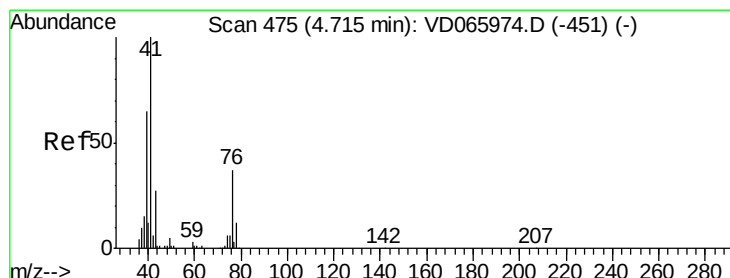
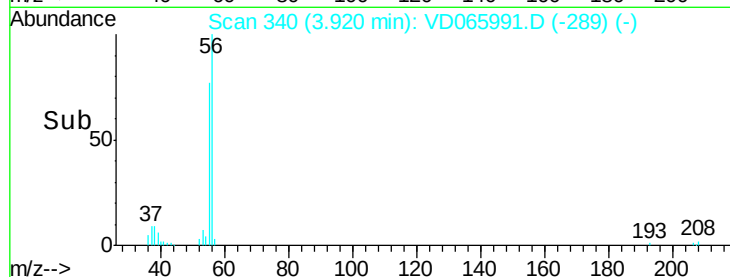
5000

0

Time-->

3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 55.116 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

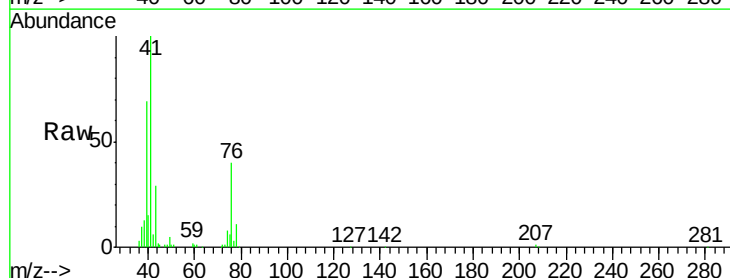
Tgt Ion: 41 Resp: 247795

Ion Ratio Lower Upper

41 100

39 67.5 53.4 80.2

76 36.5 29.1 43.7



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

100000

80000

60000

40000

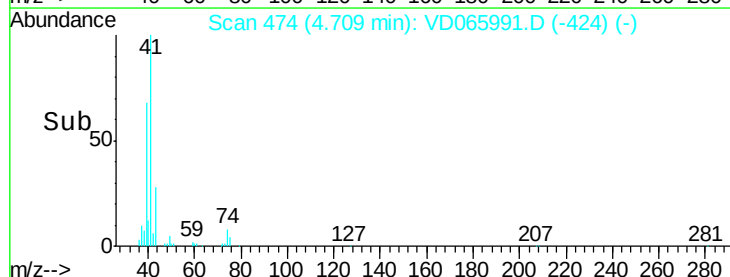
20000

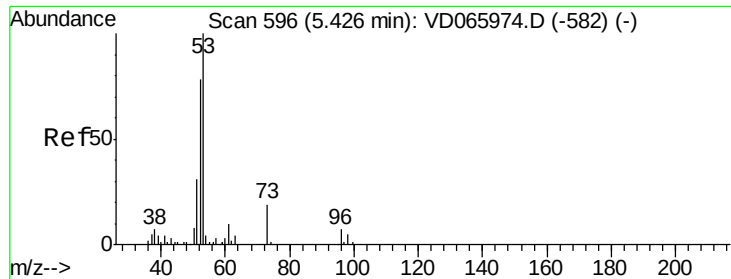
0

Time-->

4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 297.308 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

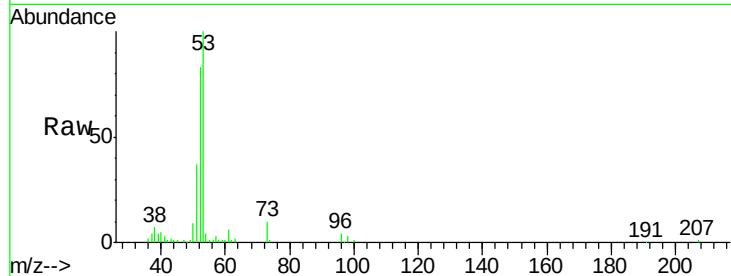
Tot Ion: 53 Resp: 175195

Ion Ratio Lower Upper

53 100

52 82.7 67.1 100.7

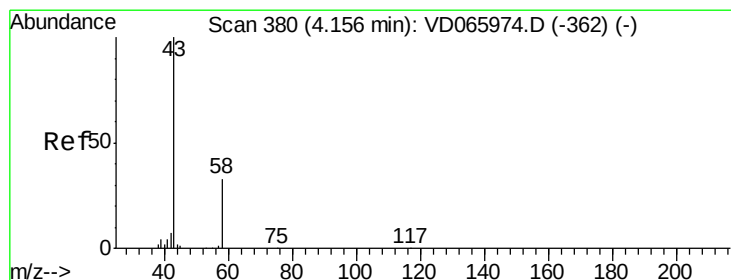
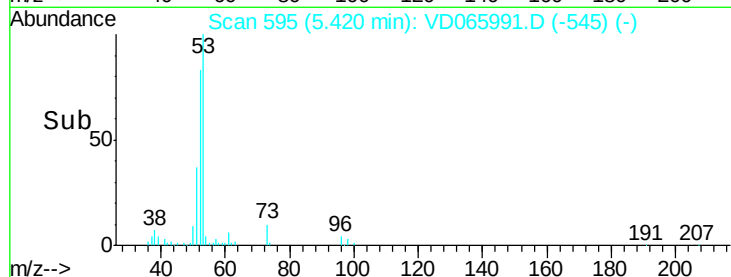
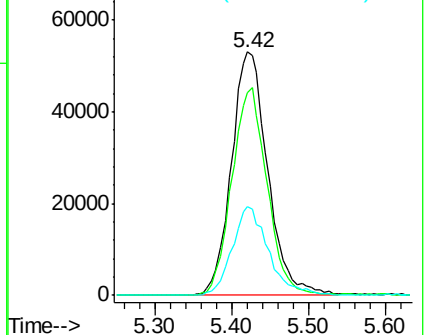
51 36.5 28.7 43.1



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: 289.747 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065991.D

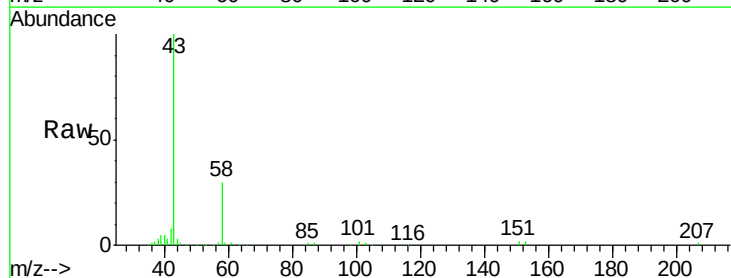
Acq: 21 Jul 2020 20:18

Tgt Ion: 43 Resp: 166005

Ion Ratio Lower Upper

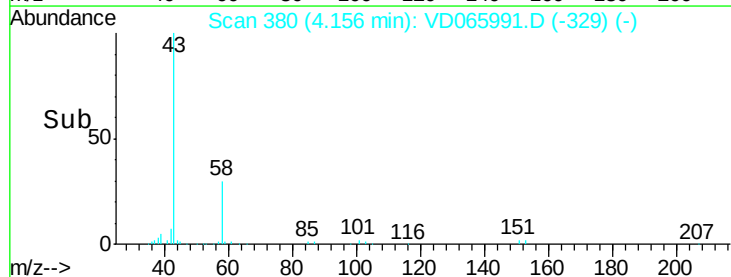
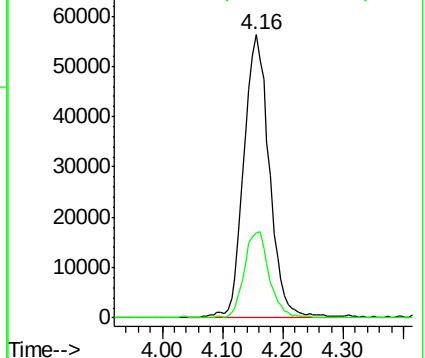
43 100

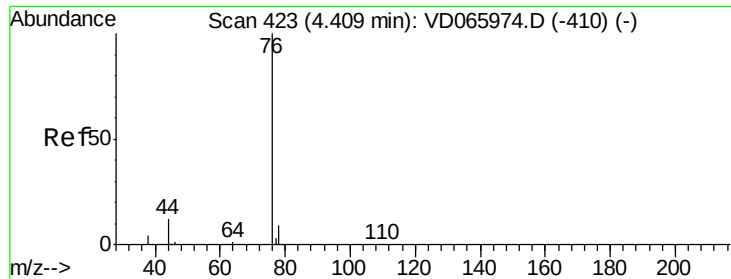
58 30.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

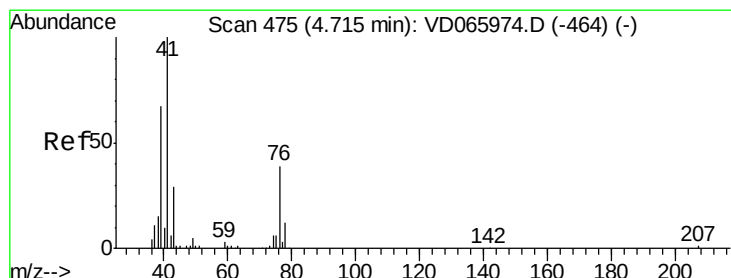
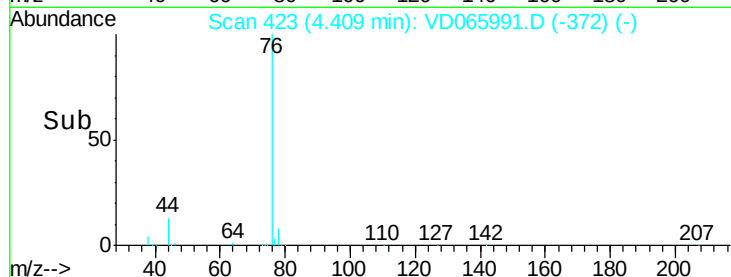
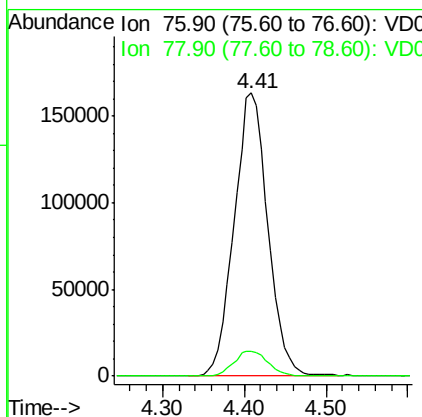
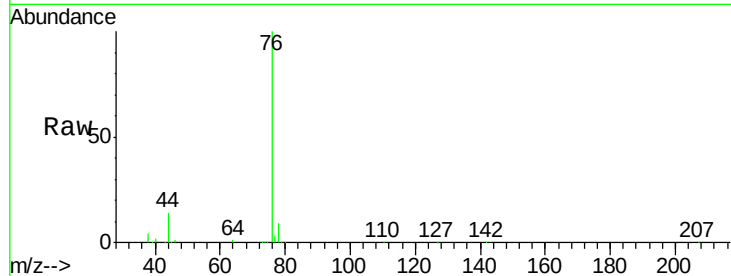




#17
Carbon Disulfide
Concen: 50.198 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

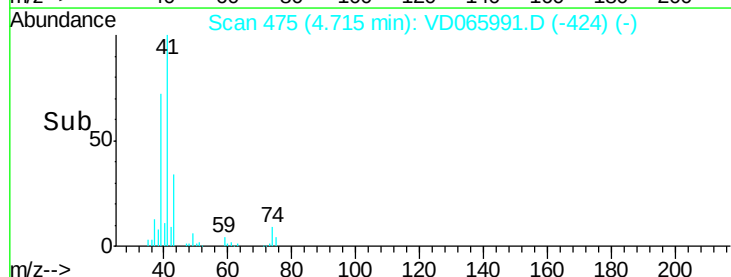
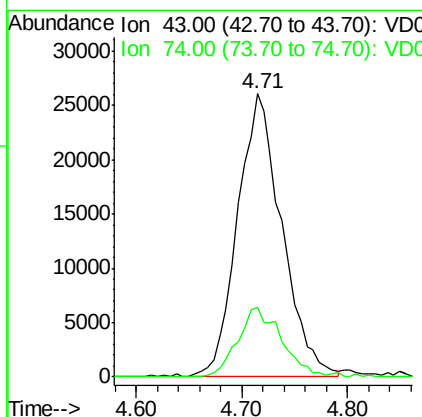
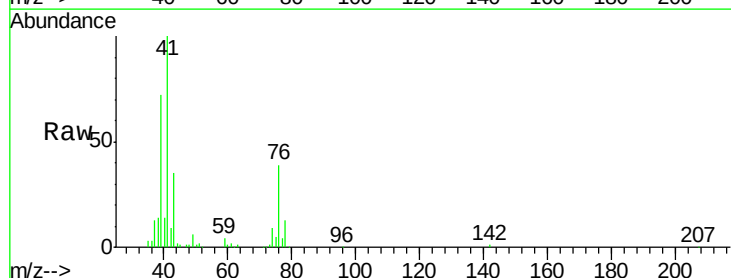
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

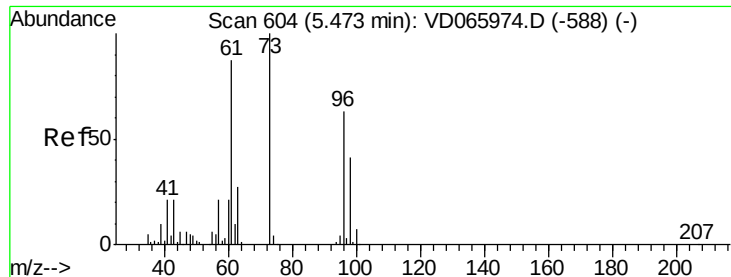
Tot Ion: 76 Resp: 468312
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 56.743 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 43 Resp: 75627
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

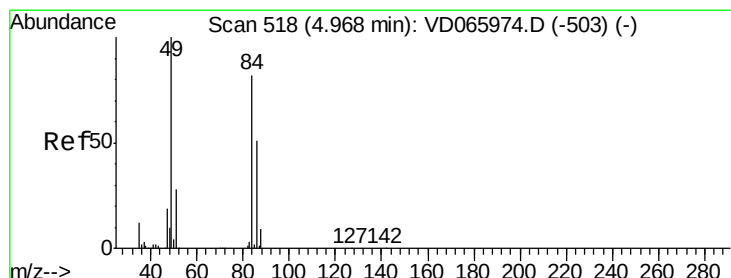
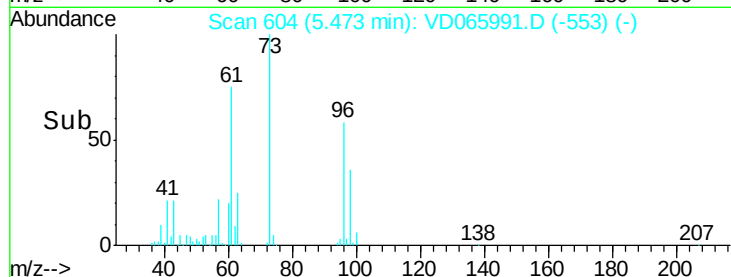
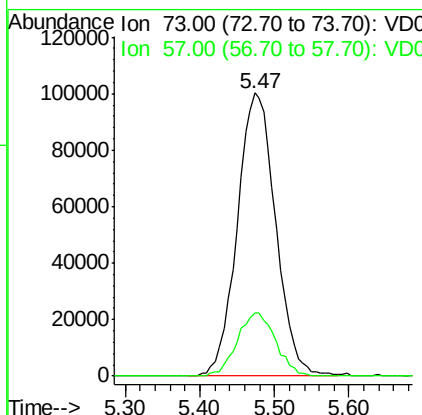
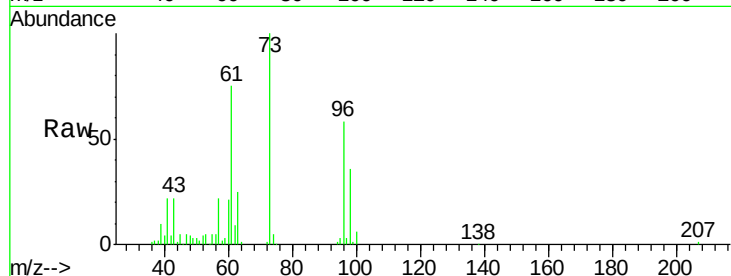




#19
Methyl tert-butyl Ether
Concen: 60.309 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

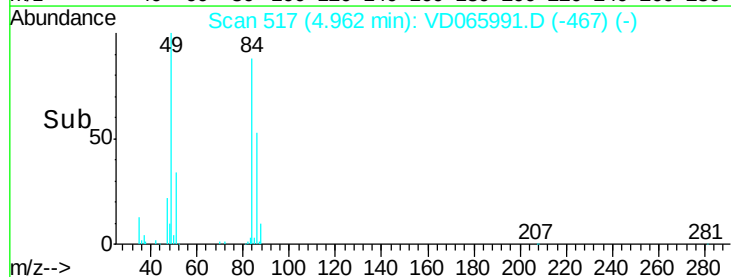
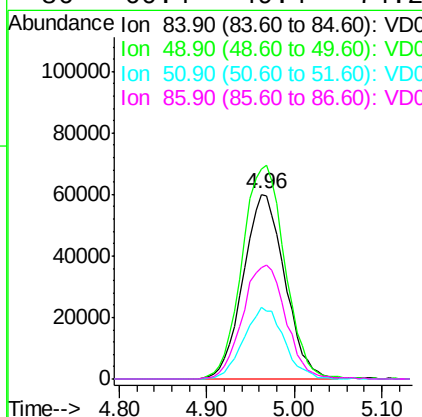
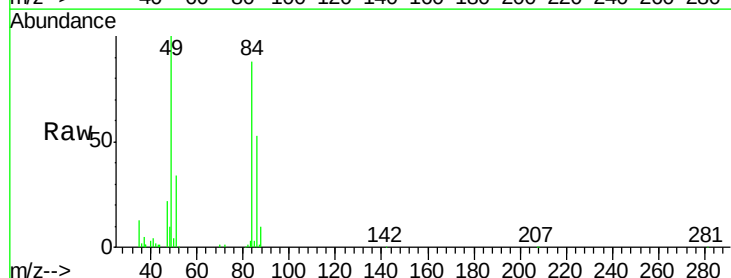
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

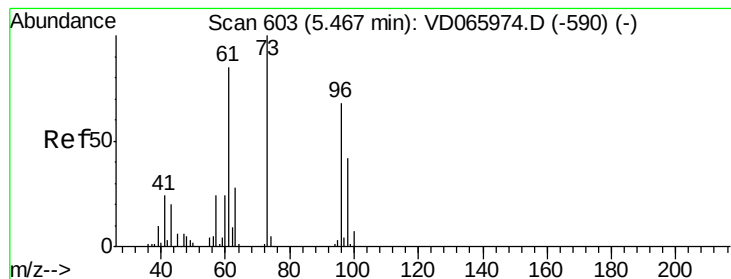
Tot Ion: 73 Resp: 356387
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.4



#20
Methylene Chloride
Concen: 62.138 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 84 Resp: 194571
Ion Ratio Lower Upper
84 100
49 113.9 97.7 146.5
51 38.9 27.4 41.2
86 60.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 53.230 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

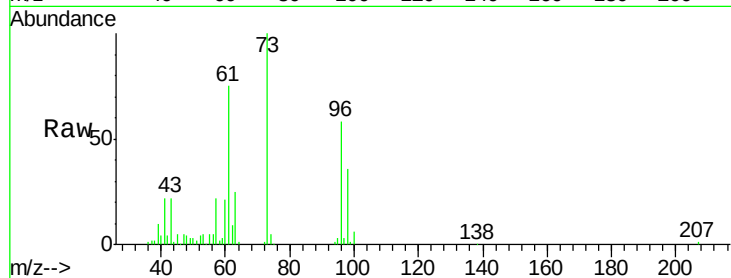
Tot Ion: 96 Resp: 173030

Ion Ratio Lower Upper

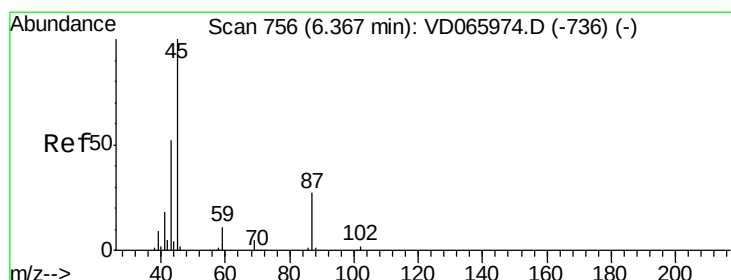
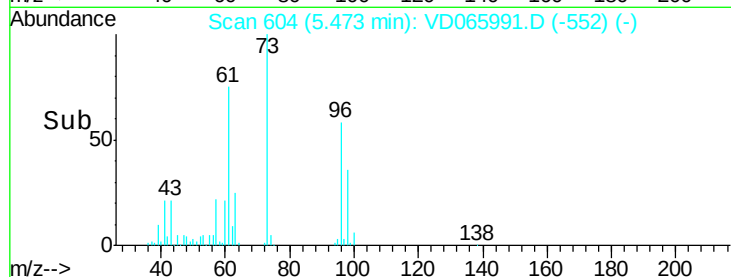
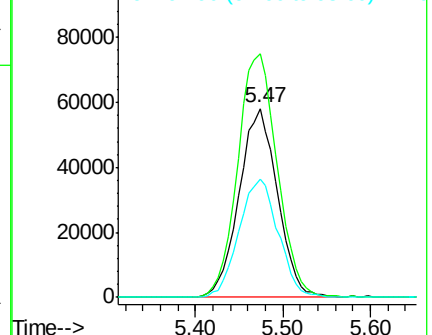
96 100

61 128.5 100.5 150.7

98 62.3 49.7 74.5



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



#22

Diisopropyl ether

Concen: 58.994 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Tgt Ion: 45 Resp: 503891

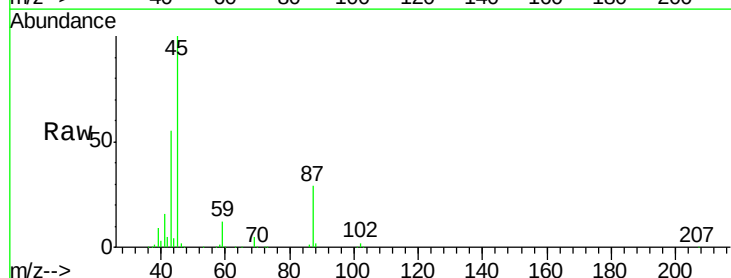
Ion Ratio Lower Upper

45 100

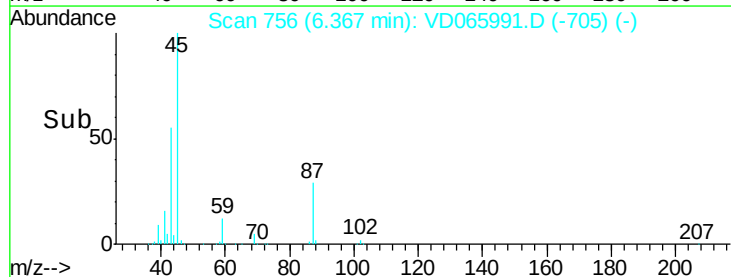
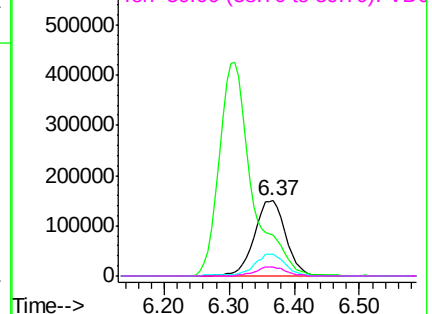
43 53.8 43.0 64.4

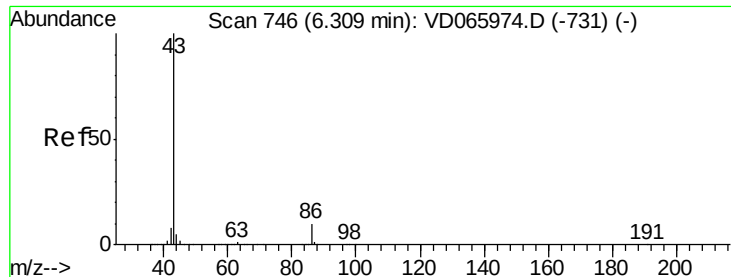
87 28.5 22.0 33.0

59 12.1 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 307.832 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

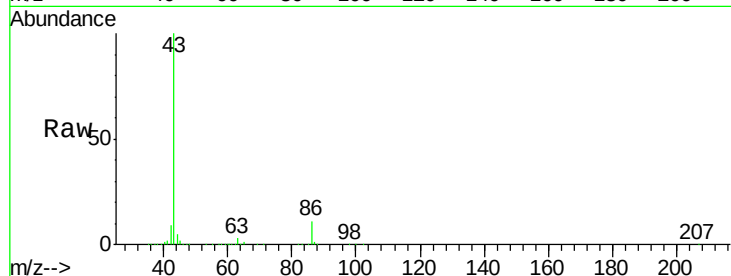
VSTDCCC050EC

Tot Ion: 43 Resp: 1482854

Ion Ratio Lower Upper

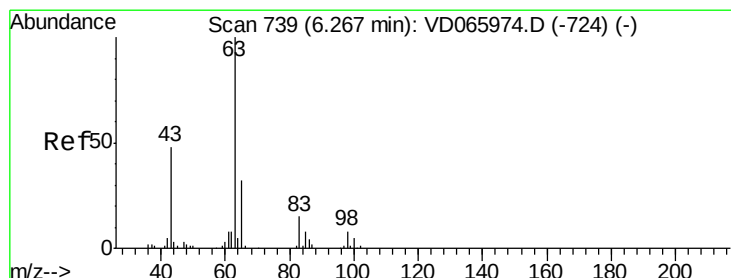
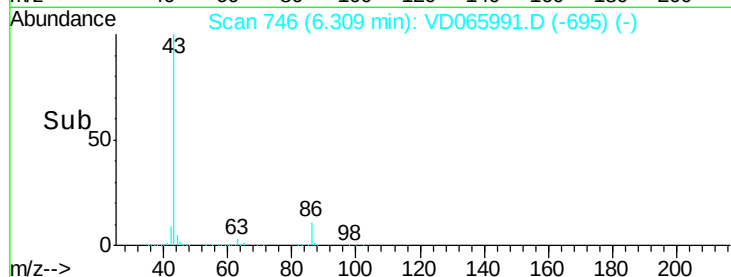
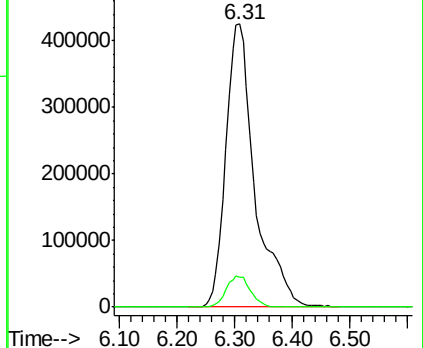
43 100

86 10.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.589 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

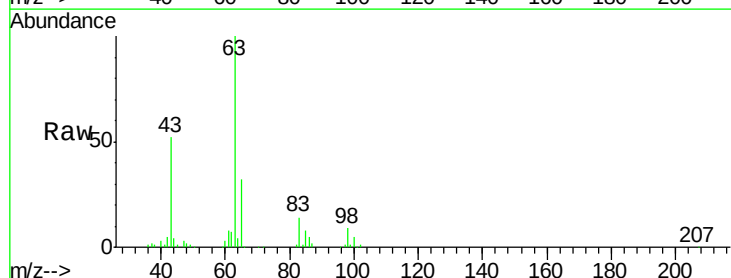
Tgt Ion: 63 Resp: 292867

Ion Ratio Lower Upper

63 100

98 9.2 4.3 12.8

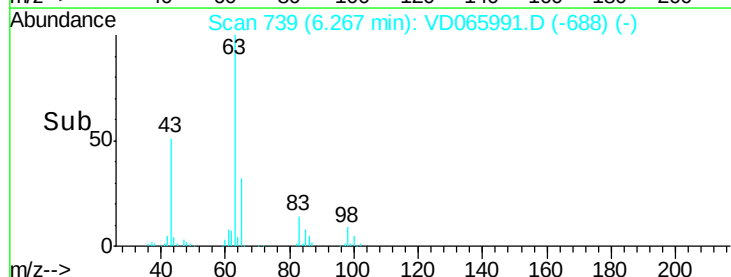
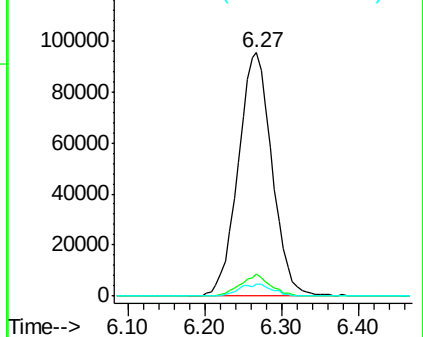
100 4.7 2.5 7.5

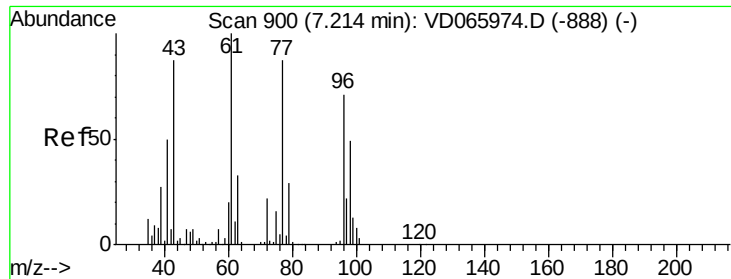


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 293.801 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

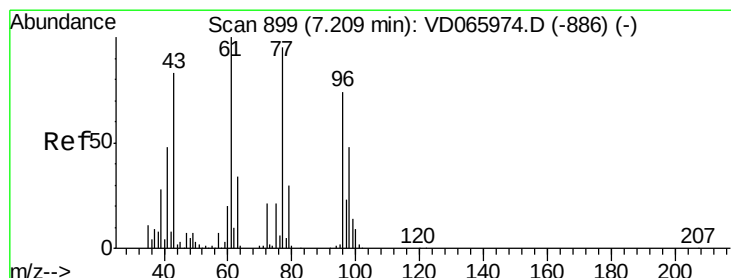
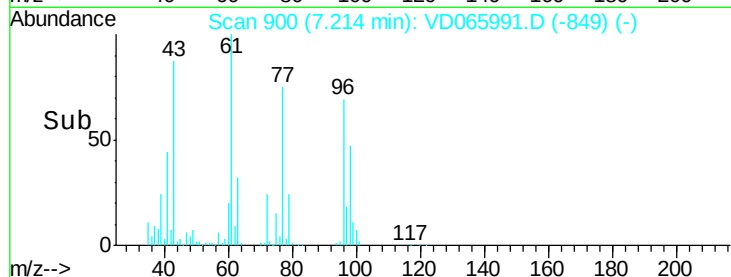
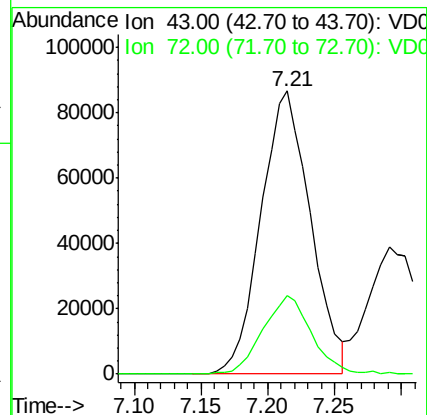
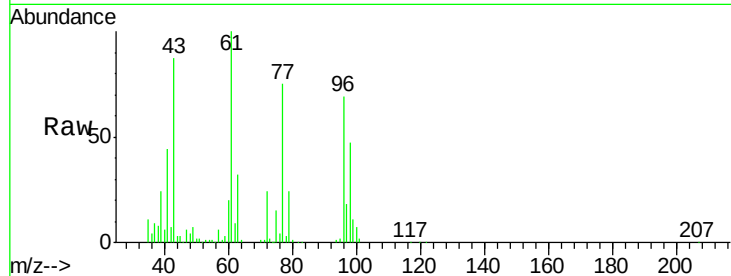
VSTDCCC050EC

Tot Ion: 43 Resp: 223357

Ion Ratio Lower Upper

43 100

72 27.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 51.474 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065991.D

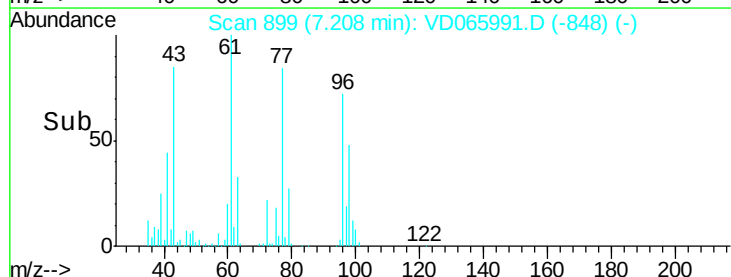
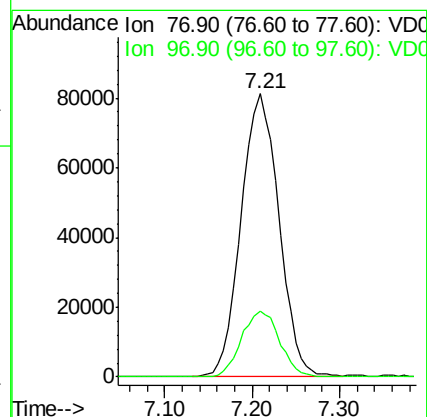
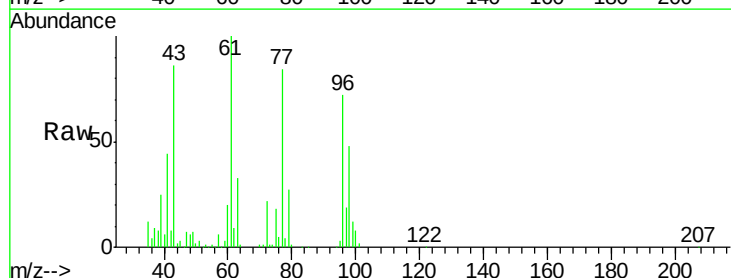
Acq: 21 Jul 2020 20:18

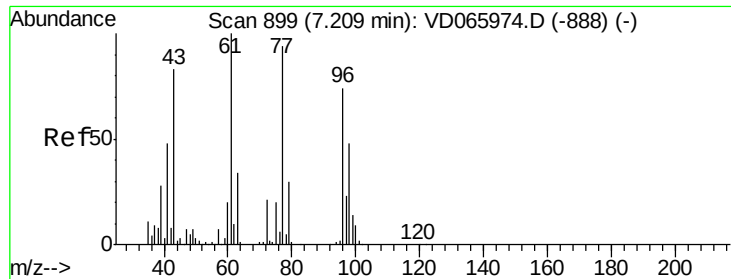
Tgt Ion: 77 Resp: 239555

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



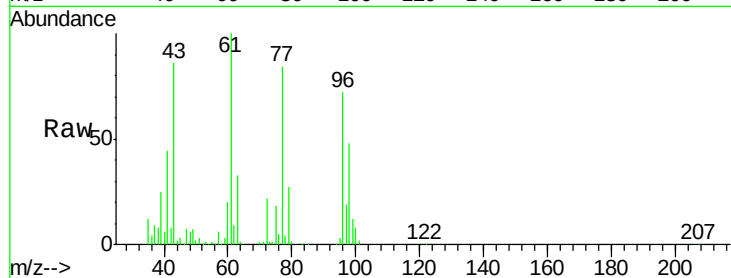


#27

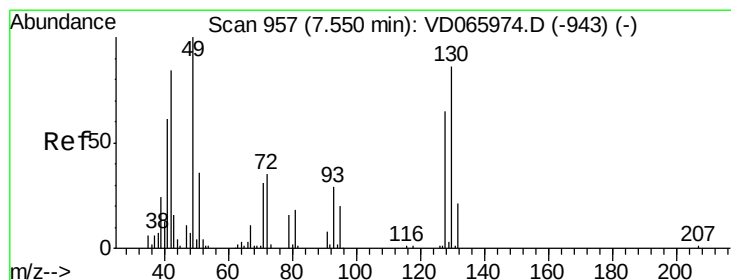
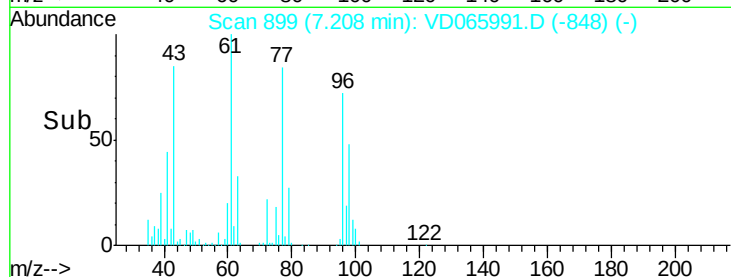
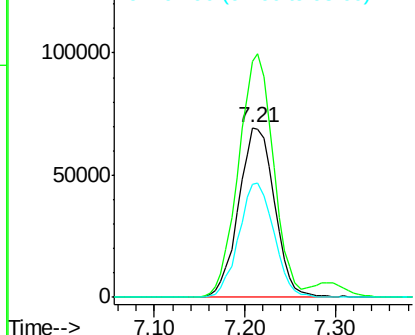
cis-1,2-Dichloroethene
Concen: 55.499 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 191010
Ion Ratio Lower Upper
96 100
61 140.1 0.0 276.6
98 66.2 0.0 130.8



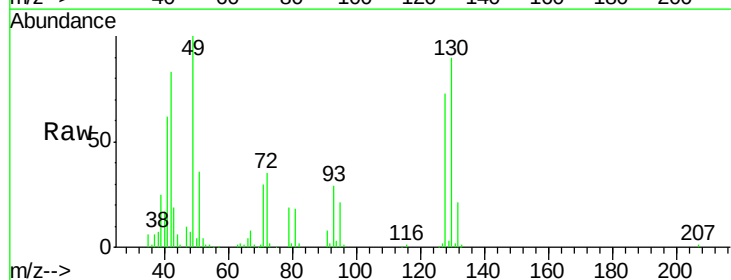
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



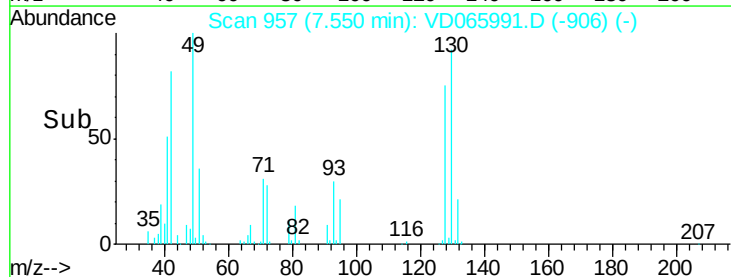
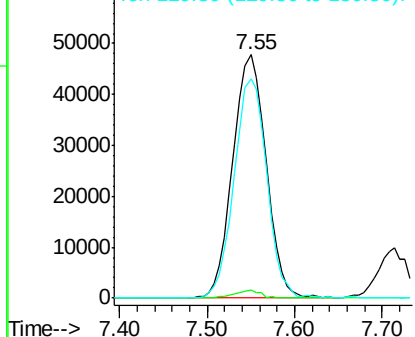
#28

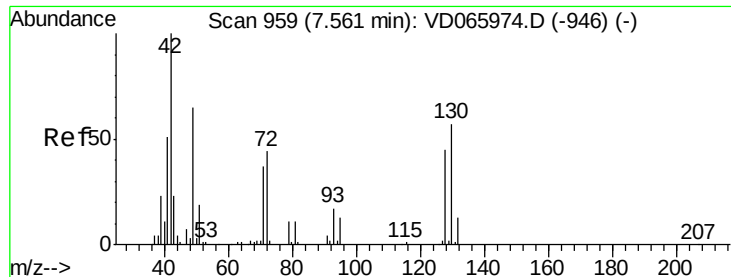
Bromochloromethane
Concen: 56.284 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 49 Resp: 123631
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 87.8 68.4 102.6



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

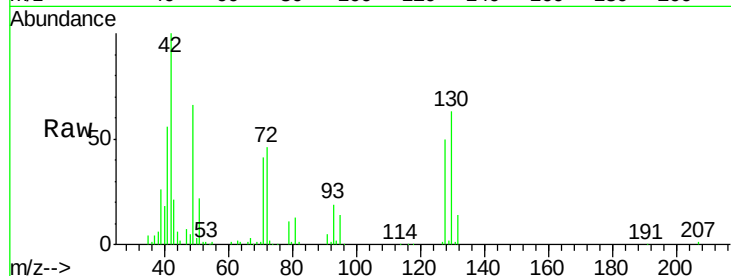




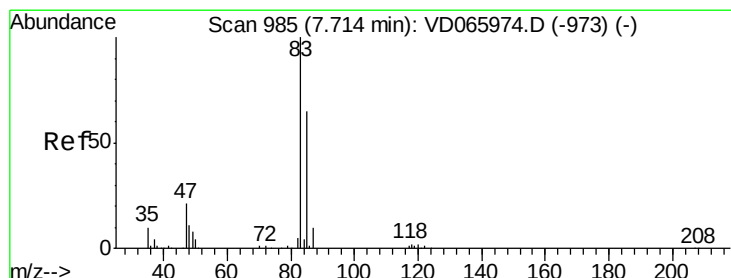
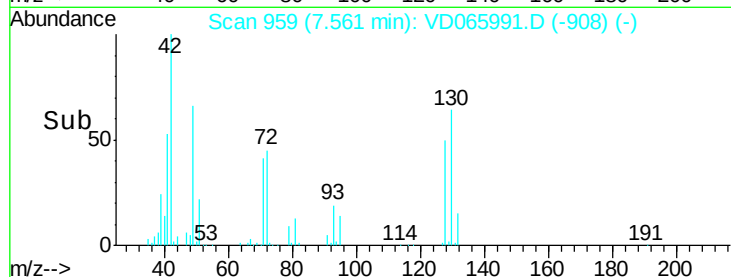
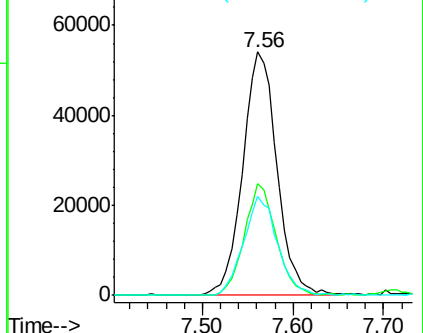
#29
Tetrahydrofuran
Concen: 303.237 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 142238
Ion Ratio Lower Upper
42 100
72 42.8 34.2 51.2
71 40.1 31.4 47.2

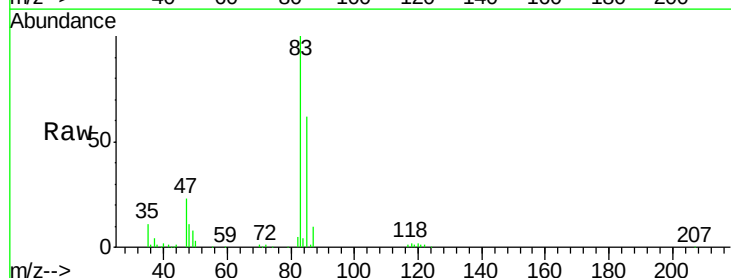


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

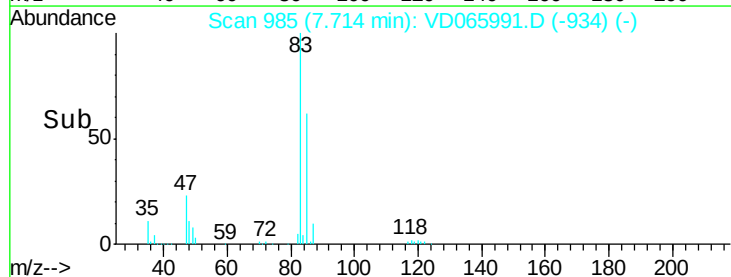
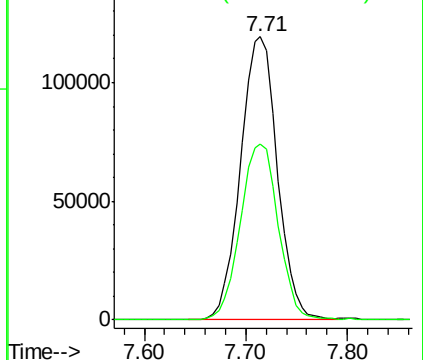


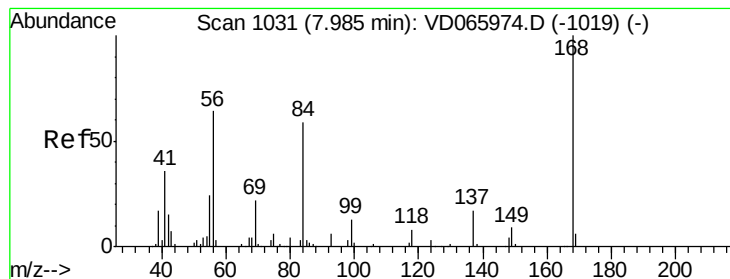
#30
Chloroform
Concen: 55.582 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 83 Resp: 300896
Ion Ratio Lower Upper
83 100
85 62.3 52.1 78.1



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





#31

Cyclohexane

Concen: 48.446 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

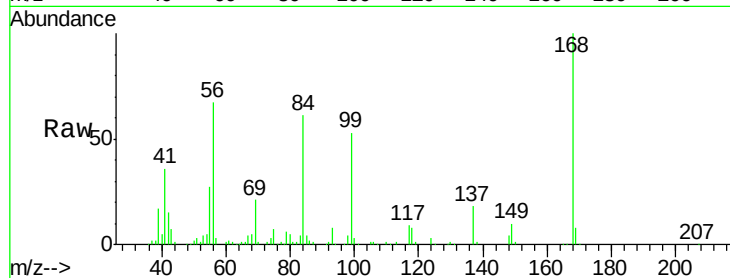
Tot Ion: 56 Resp: 246664

Ion Ratio Lower Upper

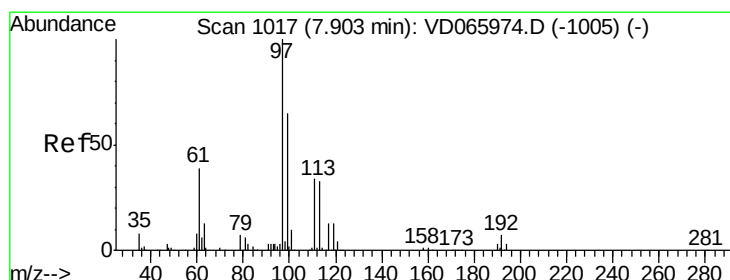
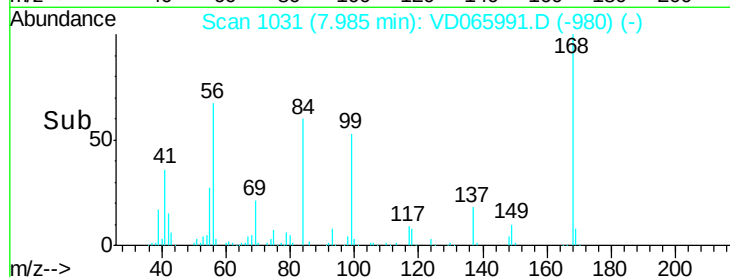
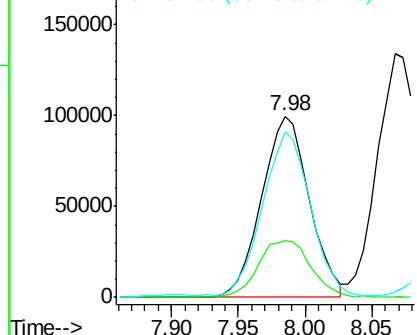
56 100

69 31.4 28.0 42.0

84 89.9 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 52.782 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

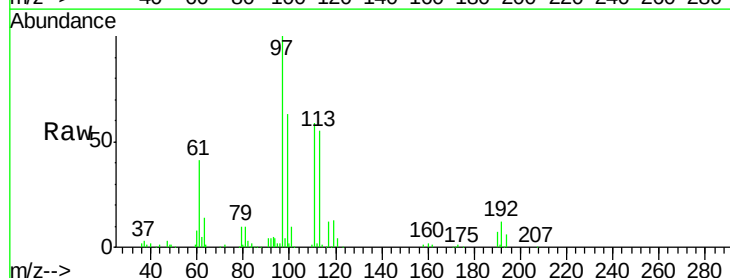
Tgt Ion: 97 Resp: 264310

Ion Ratio Lower Upper

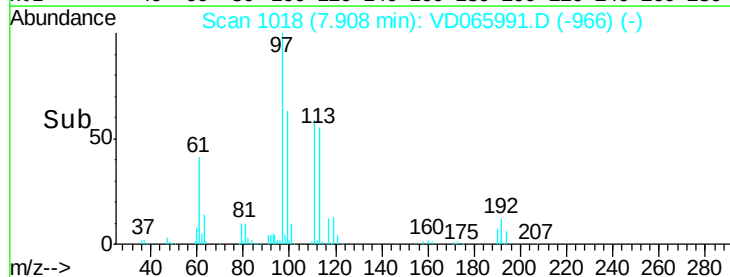
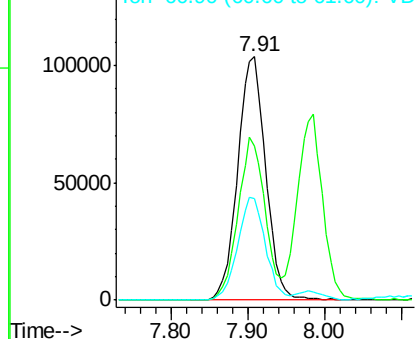
97 100

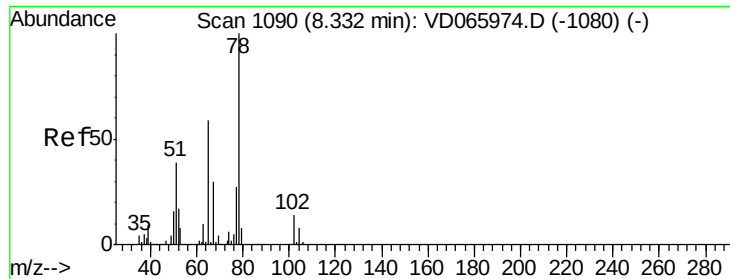
99 64.9 51.8 77.6

61 41.9 33.3 49.9



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

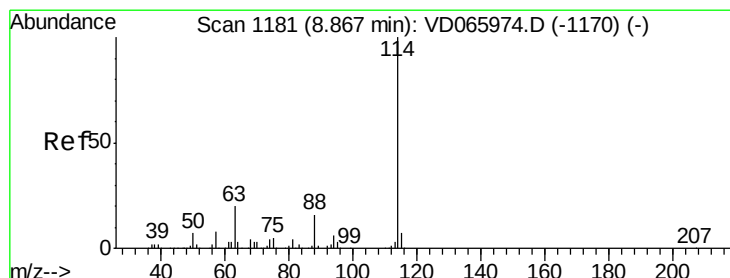
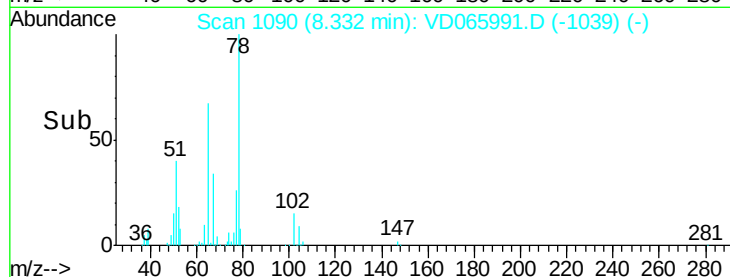
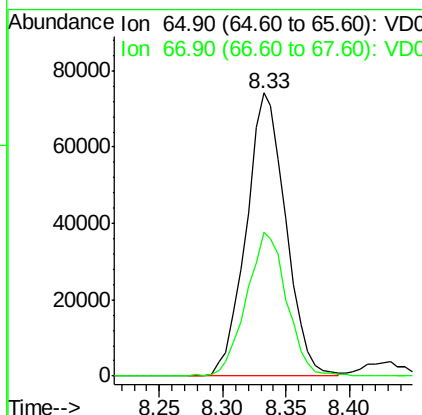
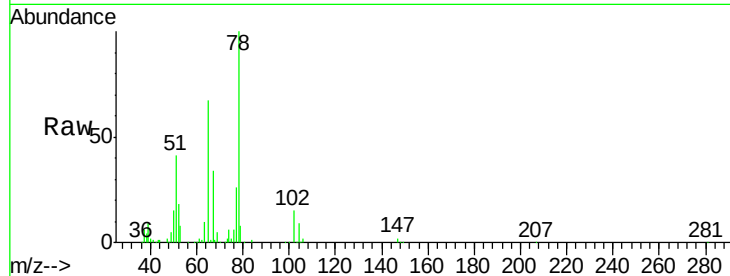




#33
 1,2-Dichloroethane-d4
 Concen: 56.934 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

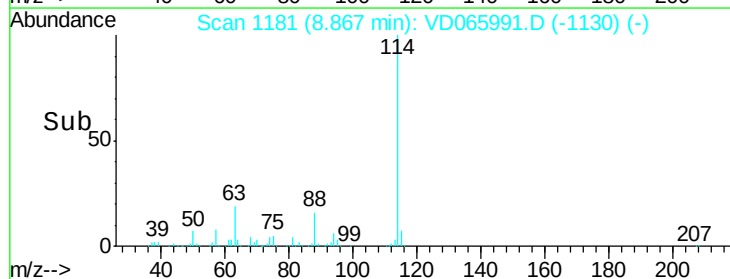
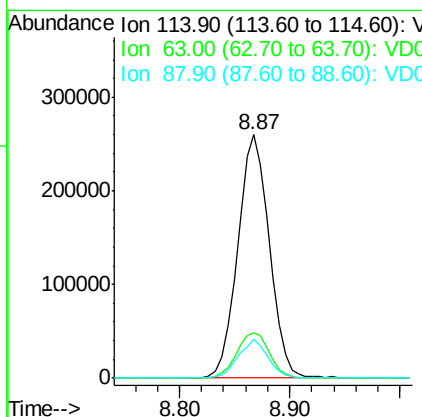
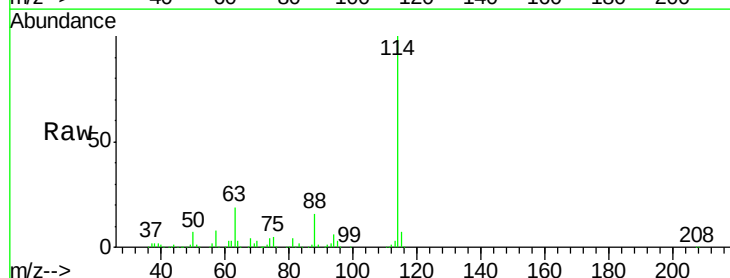
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

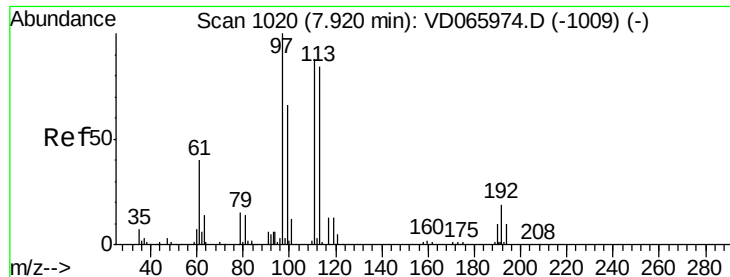
Tot Ion: 65 Resp: 161152
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 114 Resp: 522365
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.6
 88 15.7 0.0 31.2

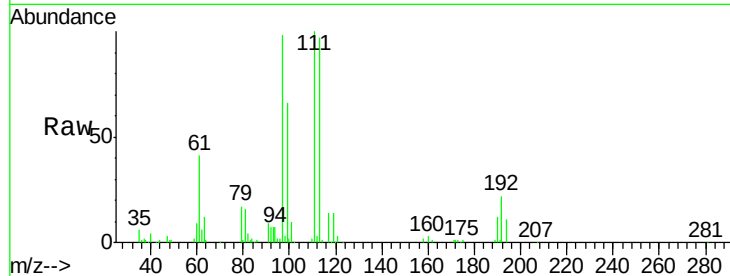




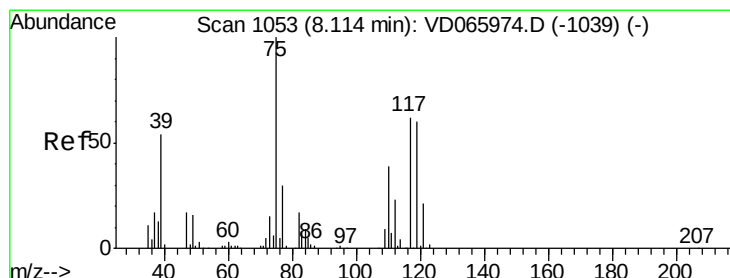
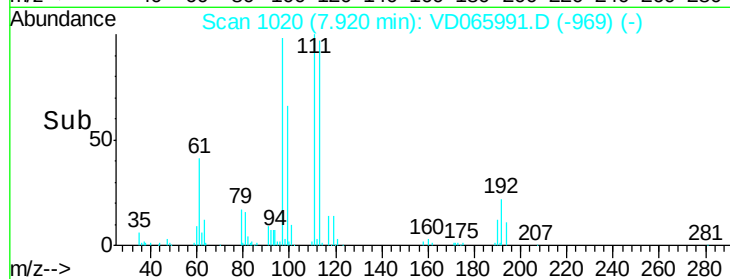
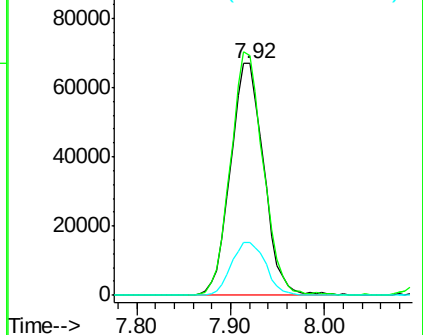
#35
 Dibromofluoromethane
 Concen: 51.942 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 164569
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.2 124.8
 192 23.7 18.7 28.1

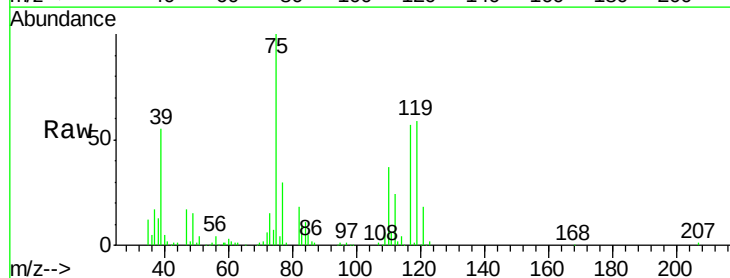


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

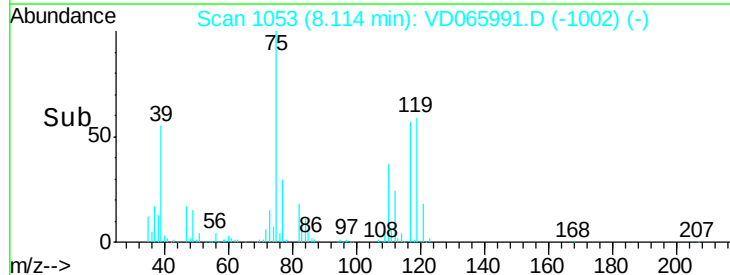
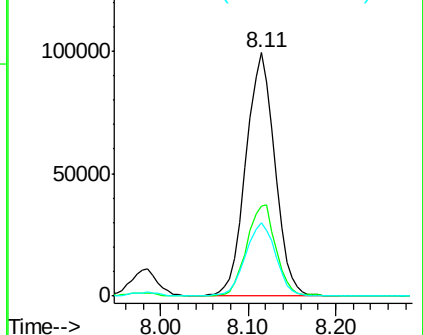


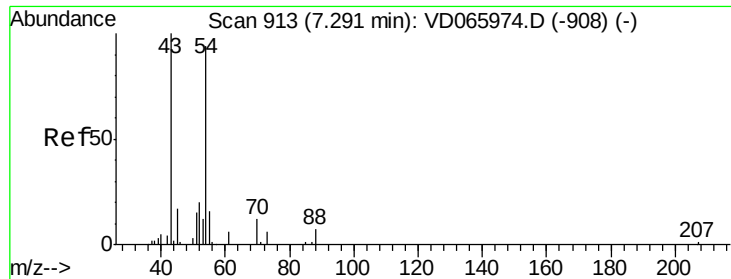
#36
 1,1-Dichloropropene
 Concen: 49.994 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 75 Resp: 222879
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.5 58.5
 77 31.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

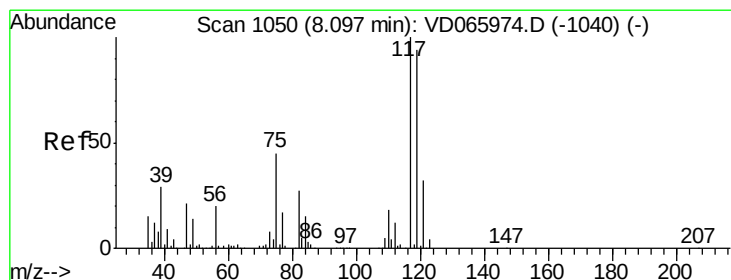
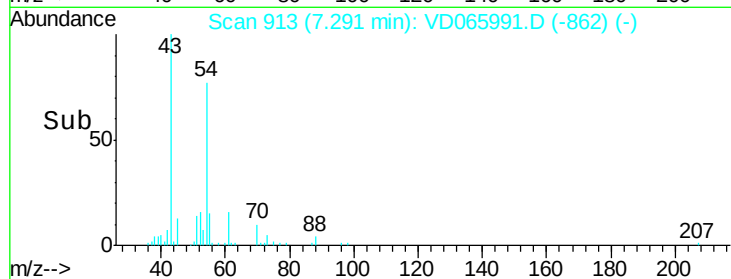
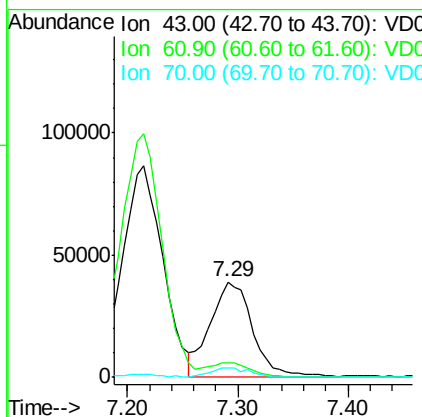
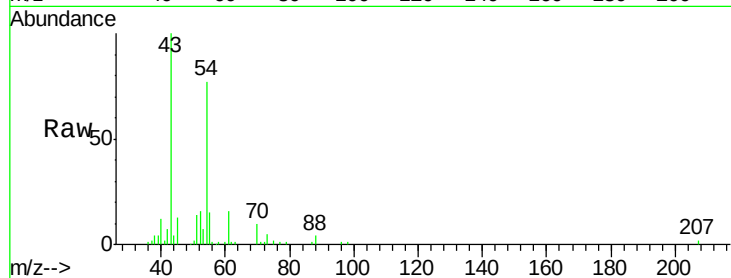




#37
Ethyl Acetate
Concen: 60.215 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

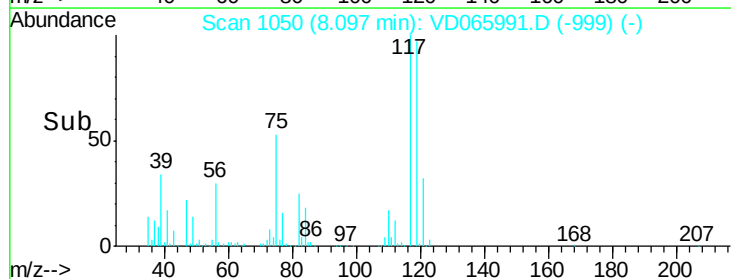
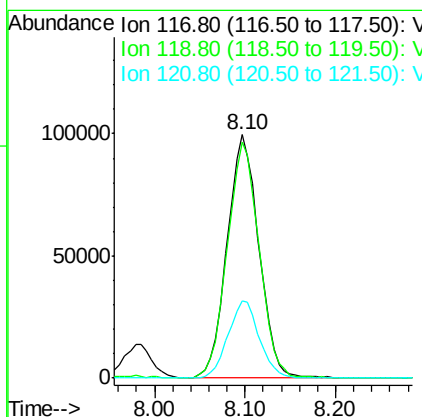
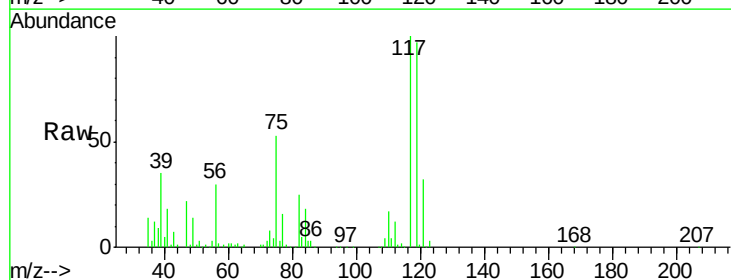
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

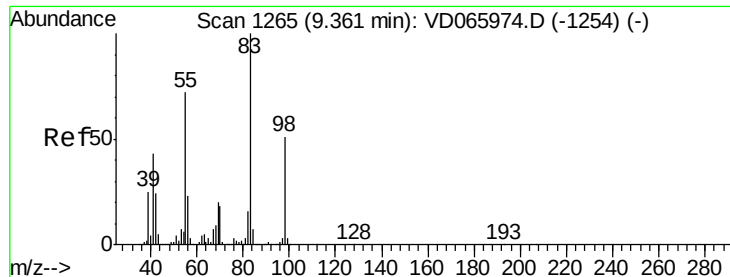
Tot Ion: 43 Resp: 102520
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.0
70 10.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 49.498 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 117 Resp: 239435
Ion Ratio Lower Upper
117 100
119 97.4 75.0 112.6
121 32.0 25.5 38.3

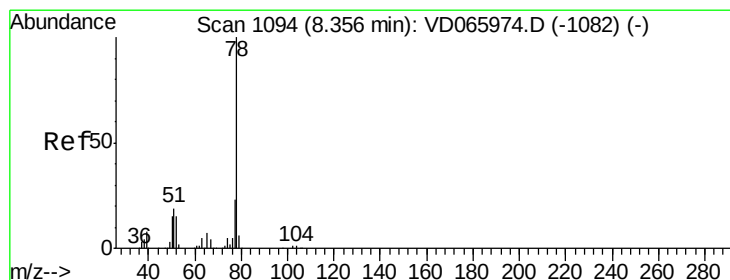
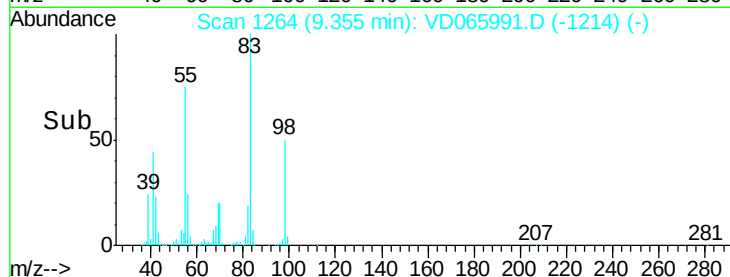
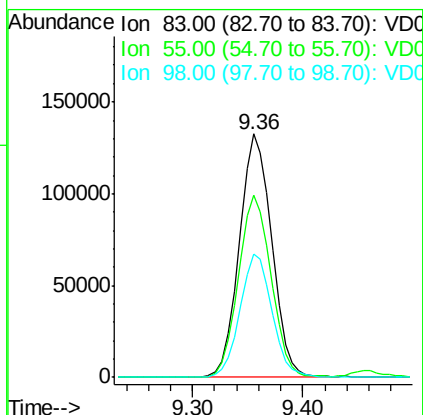
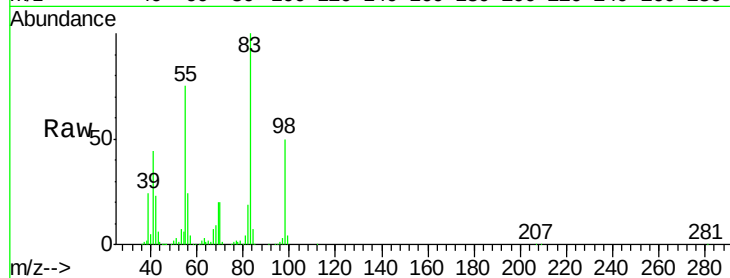




#39
Methylvlcyclohexane
Concen: 50.954 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

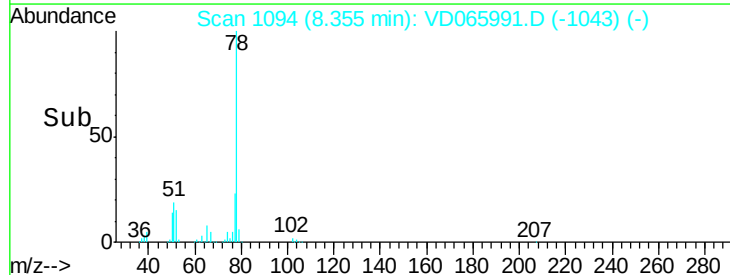
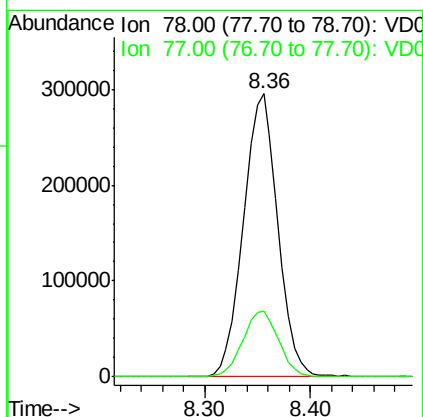
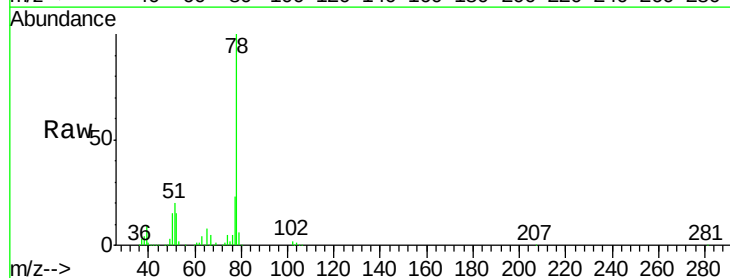
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

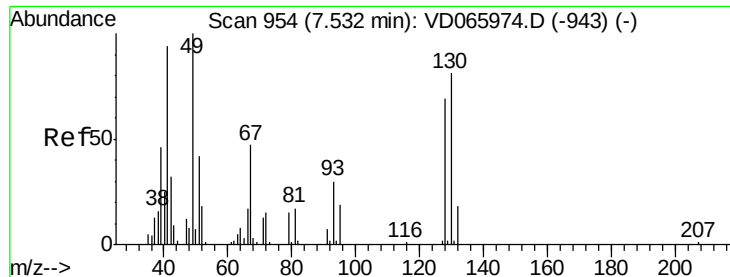
Tot Ion: 83 Resp: 275089
Ion Ratio Lower Upper
83 100
55 74.9 57.3 85.9
98 50.4 41.0 61.6



#40
Benzene
Concen: 53.483 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 78 Resp: 667057
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

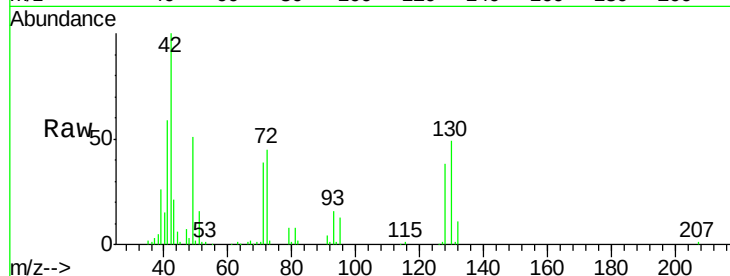




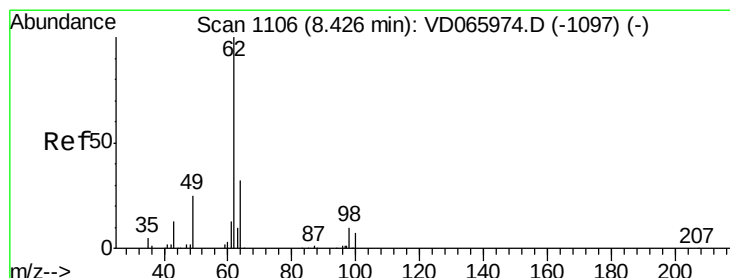
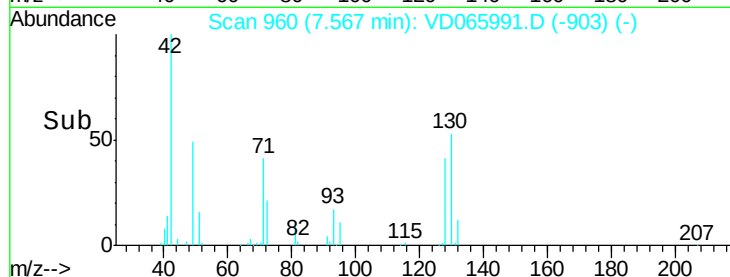
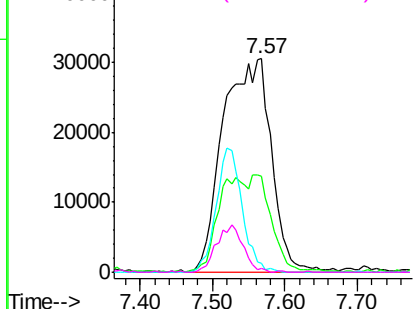
#41
Methacrylonitrile
Concen: 144.963 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	141387
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

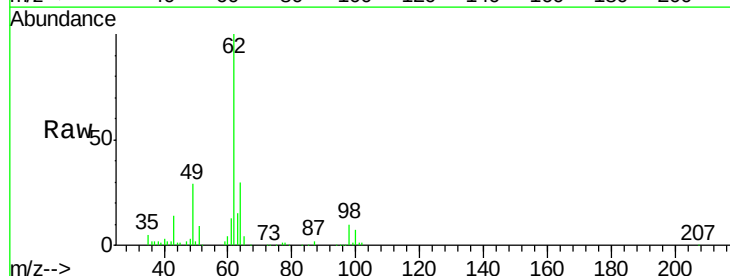


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

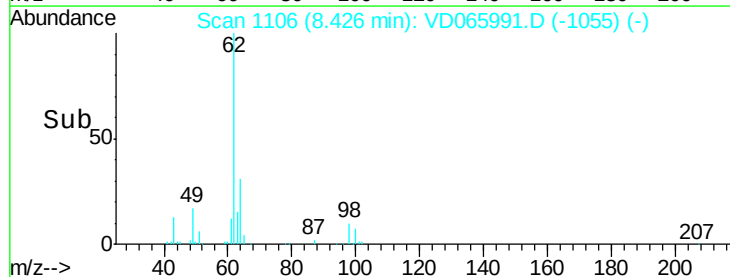
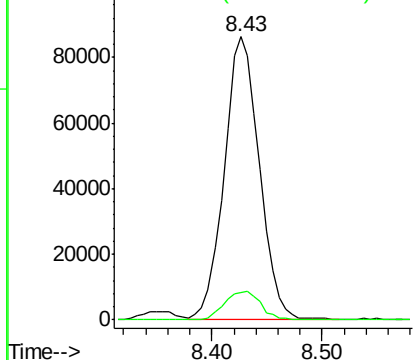


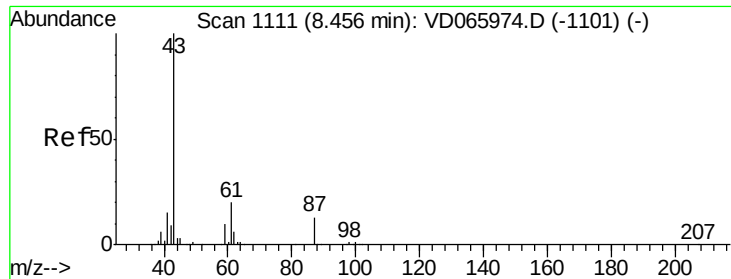
#42
1,2-Dichloroethane
Concen: 56.239 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion:	62	Resp:	192209
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 58.678 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

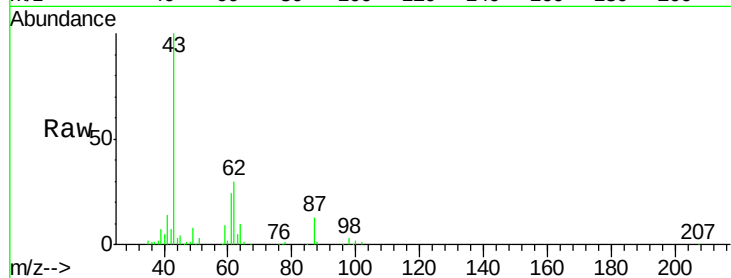
Tot Ion: 43 Resp: 195125

Ion Ratio Lower Upper

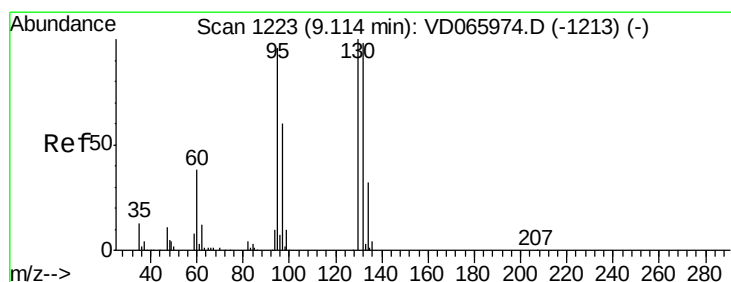
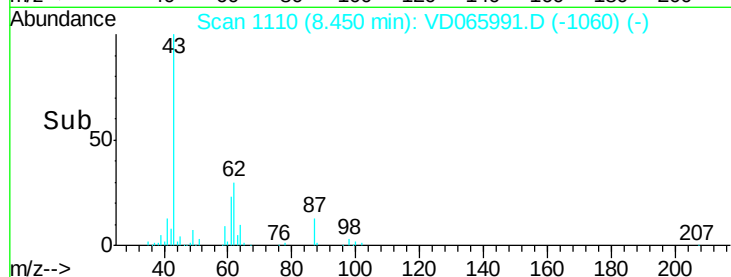
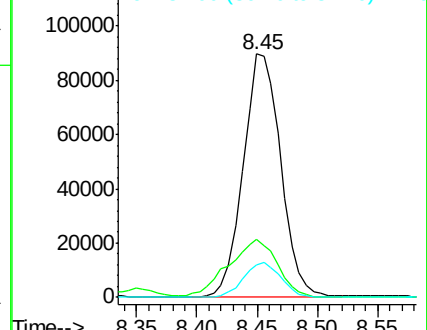
43 100

61 31.2 25.8 38.8

87 14.1 10.9 16.3



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: 51.963 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065991.D

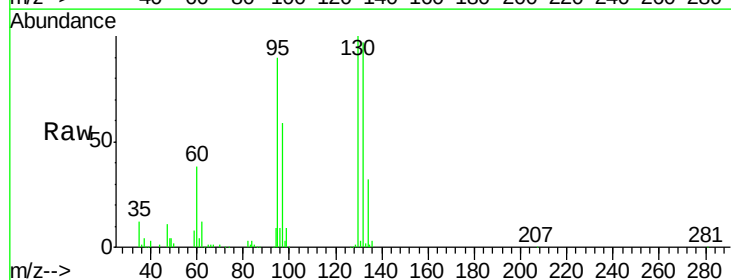
Acq: 21 Jul 2020 20:18

Tgt Ion:130 Resp: 196122

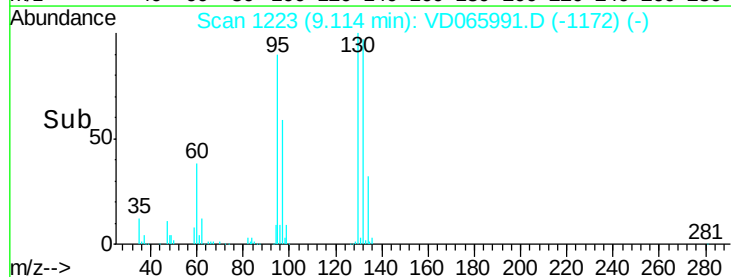
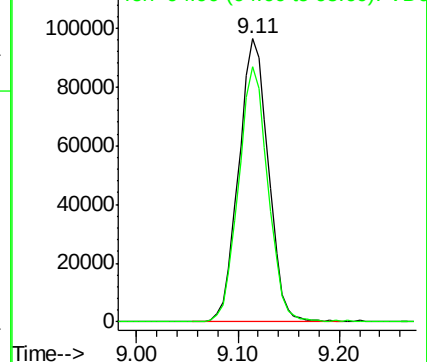
Ion Ratio Lower Upper

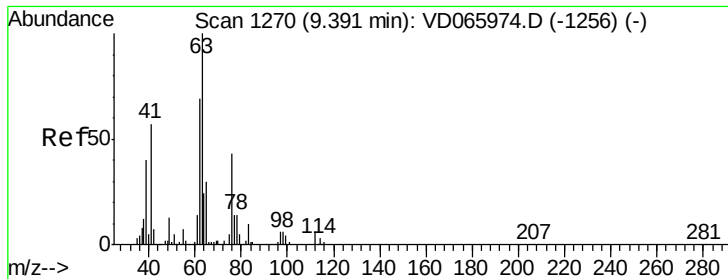
130 100

95 90.4 0.0 191.6



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

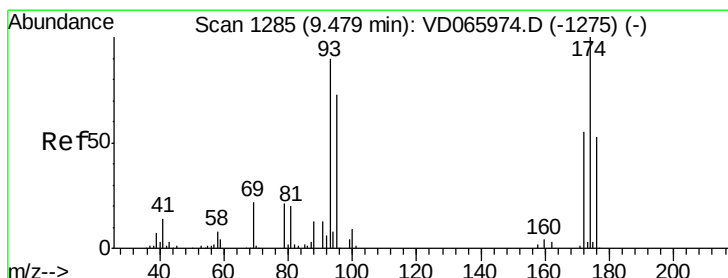
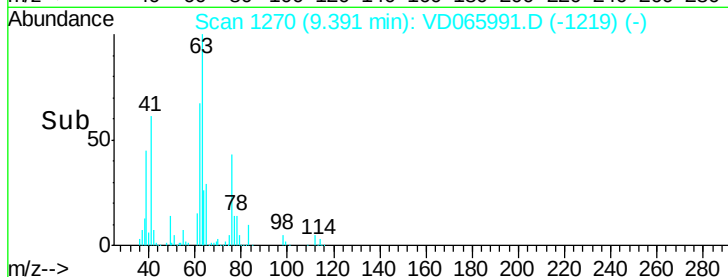
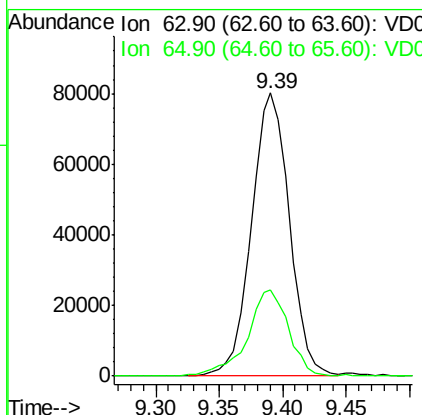
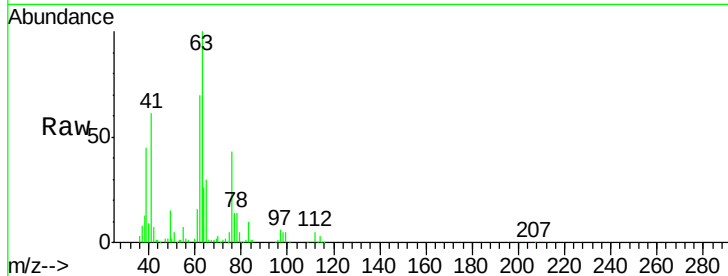




#45
 1,2-Dichloropropane
 Concen: 55.233 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

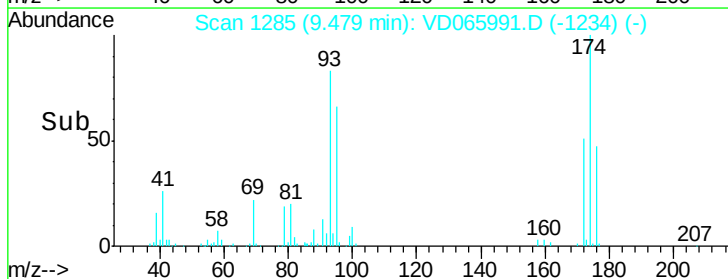
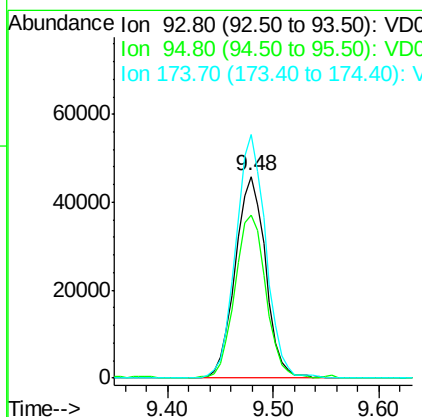
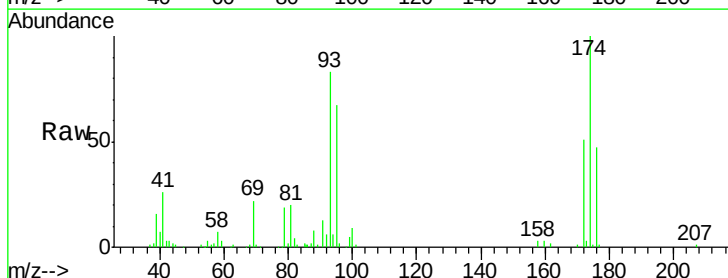
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

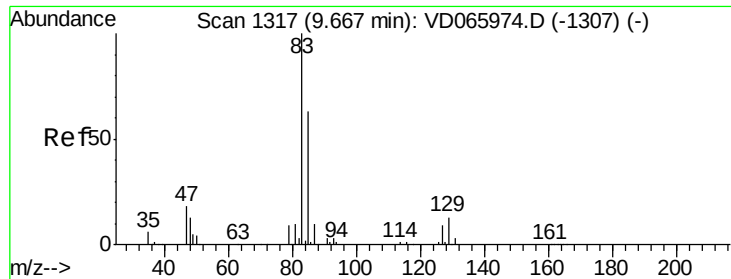
Tot Ion: 63 Resp: 166842
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.0 36.0



#46
 Dibromomethane
 Concen: 56.161 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 93 Resp: 91326
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 119.2 91.5 137.3

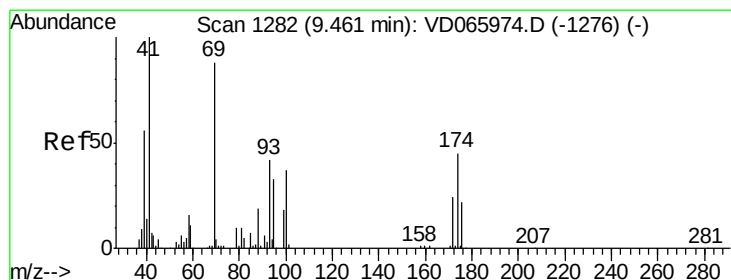
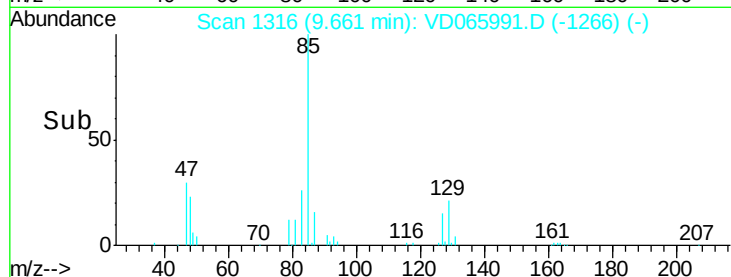
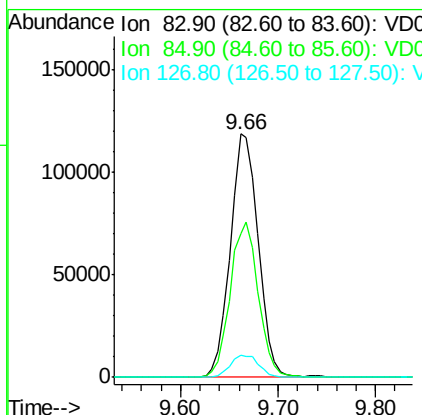
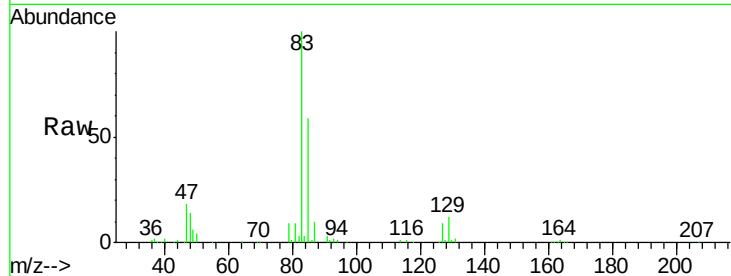




#47
Bromodichloromethane
Concen: 55.013 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

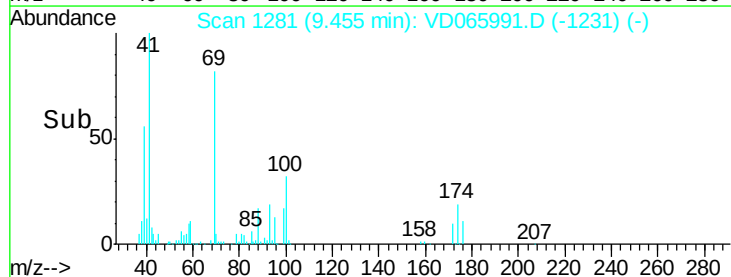
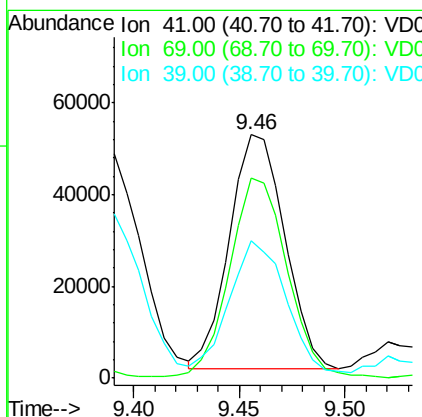
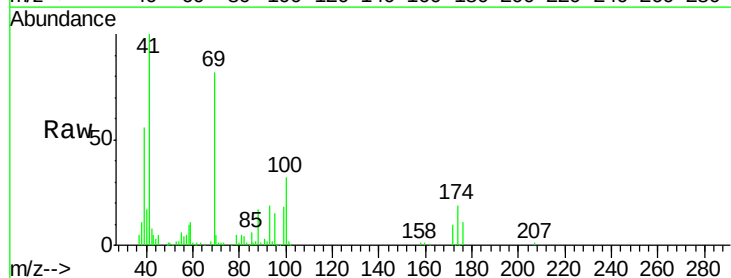
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

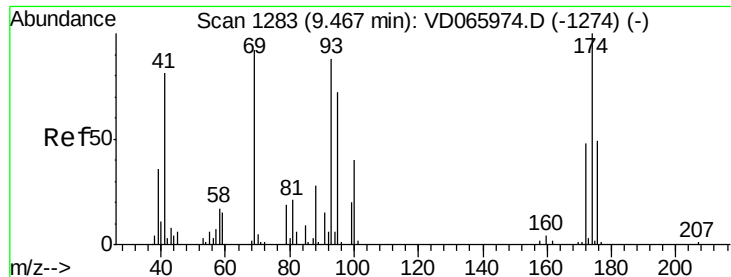
Tot Ion: 83 Resp: 236539
Ion Ratio Lower Upper
83 100
85 58.8 50.6 75.8
127 9.0 7.1 10.7



#48
Methyl methacrylate
Concen: 55.364 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 41 Resp: 92867
Ion Ratio Lower Upper
41 100
69 89.1 65.1 97.7
39 57.2 41.5 62.3

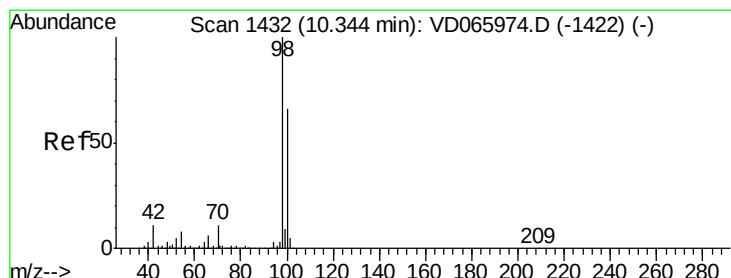
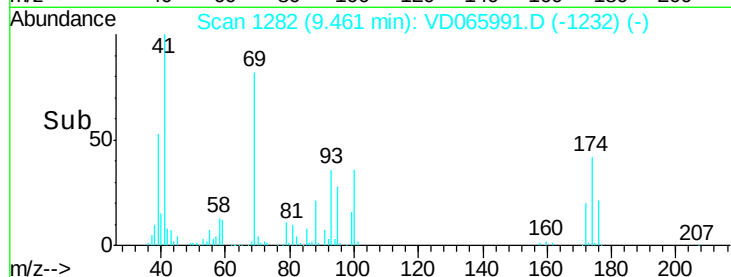
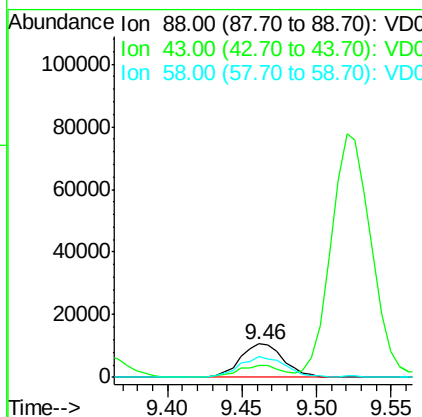
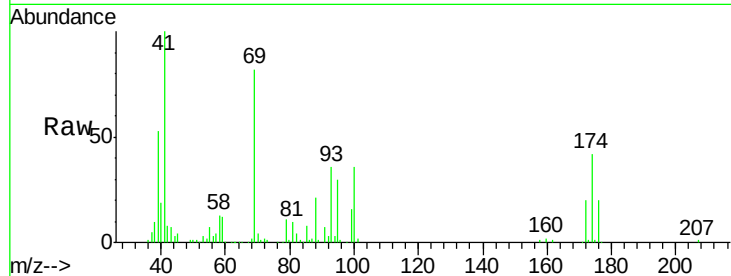




#49
1,4-Dioxane
Concen: 1142.377 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

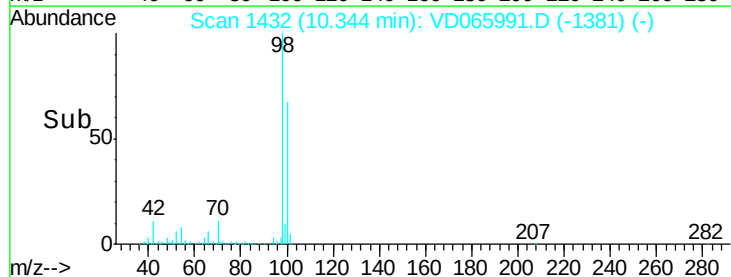
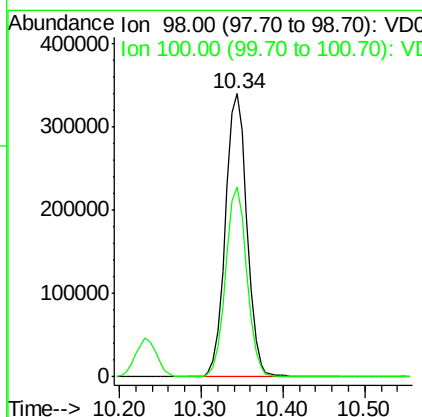
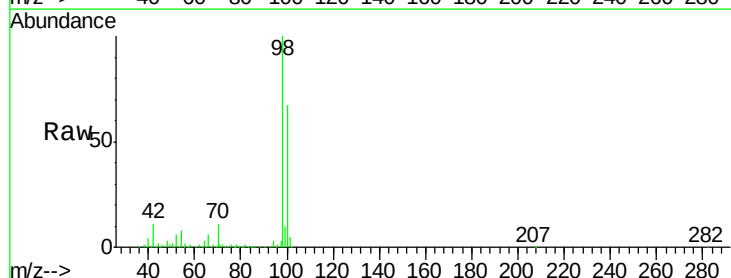
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

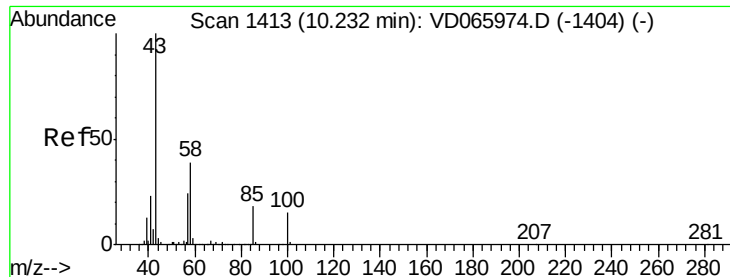
Tot Ion: 88 Resp: 21522
Ion Ratio Lower Upper
88 100
43 36.3 29.0 43.6
58 67.9 57.0 85.4



#50
Toluene-d8
Concen: 52.716 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 98 Resp: 622192
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1

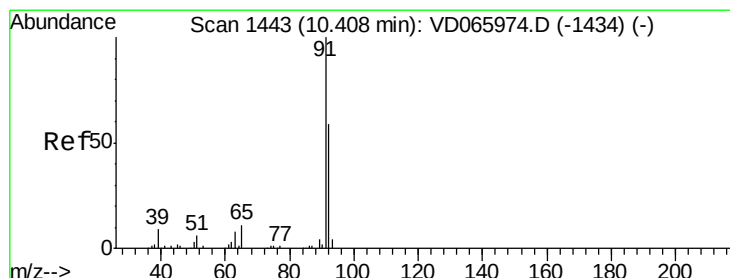
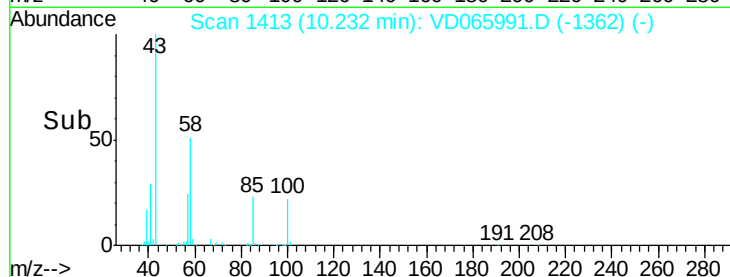
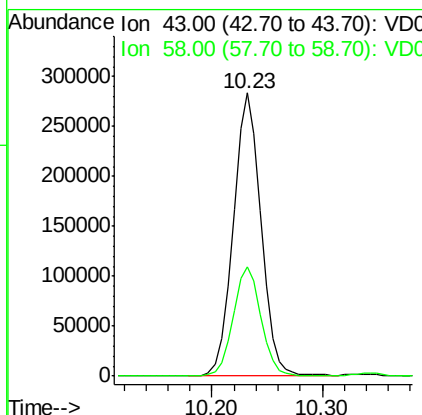
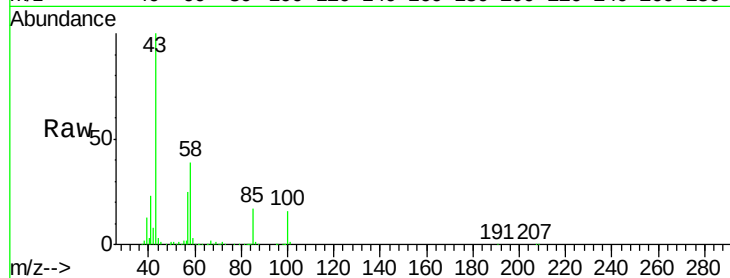




#51
 4-Methyl-2-Pentanone
 Concen: 298.490 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

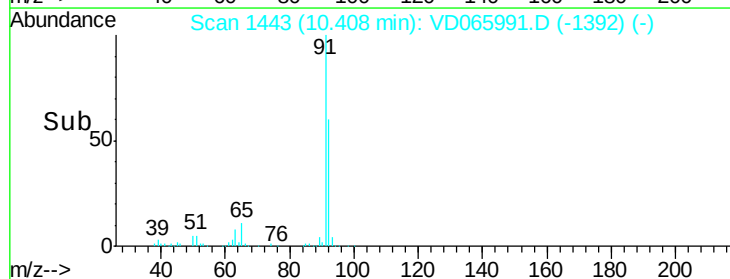
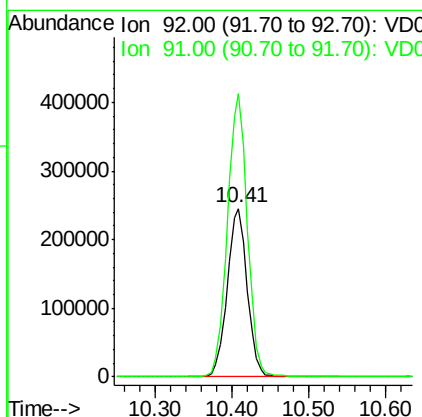
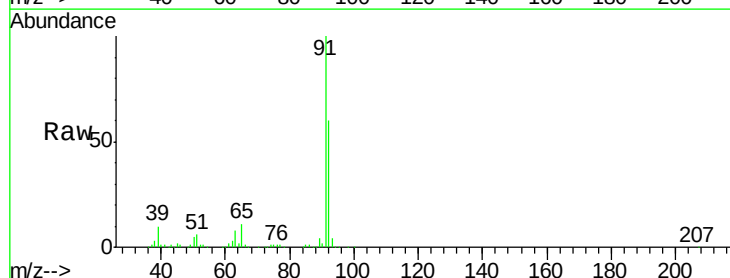
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

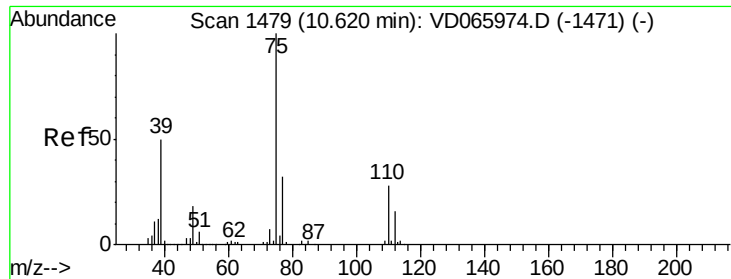
Tot Ion: 43 Resp: 500119
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.3 46.9



#52
 Toluene
 Concen: 54.337 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 92 Resp: 441964
 Ion Ratio Lower Upper
 92 100
 91 168.7 134.5 201.7

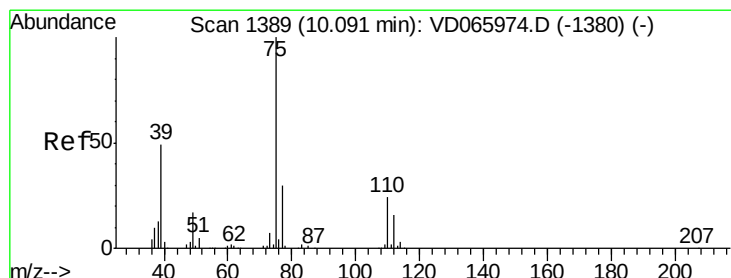
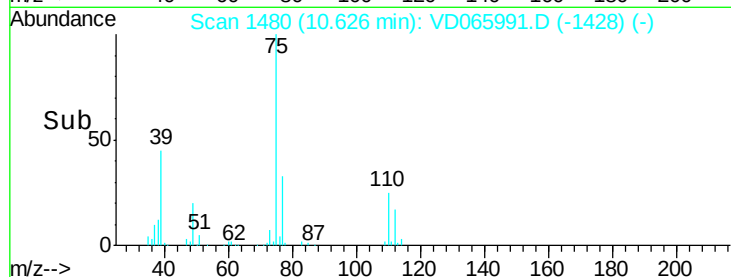
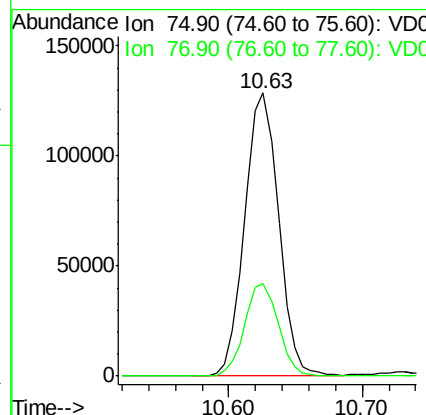
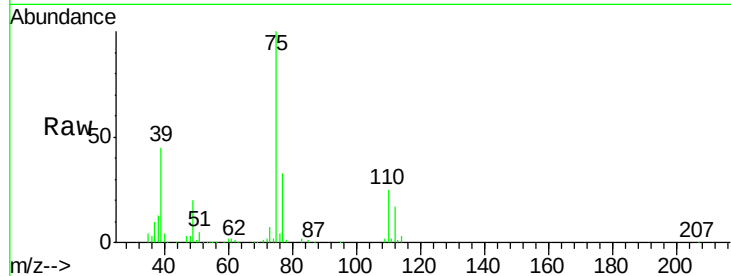




#53
t-1,3-Dichloropropene
Concen: 56.467 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

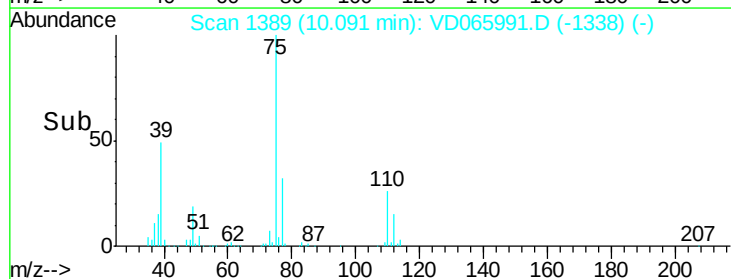
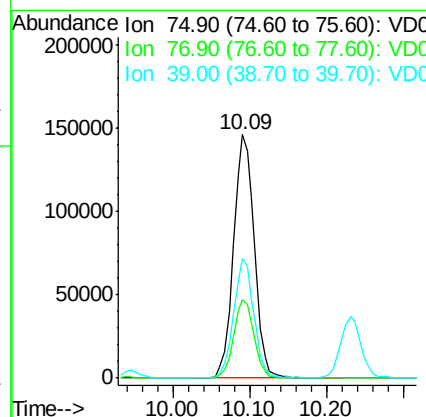
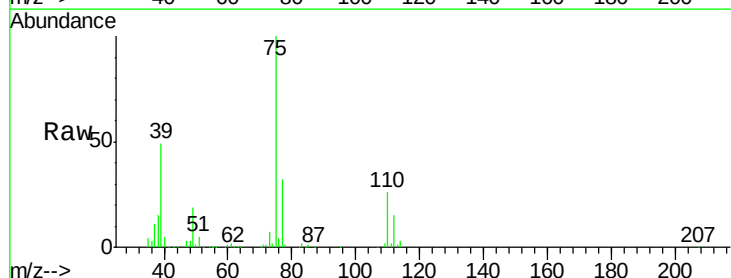
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

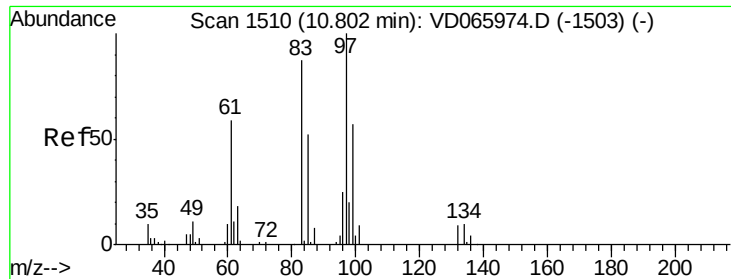
Tot Ion: 75 Resp: 226193
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 56.455 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 75 Resp: 274128
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.8
39 49.1 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 55.874 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 128861

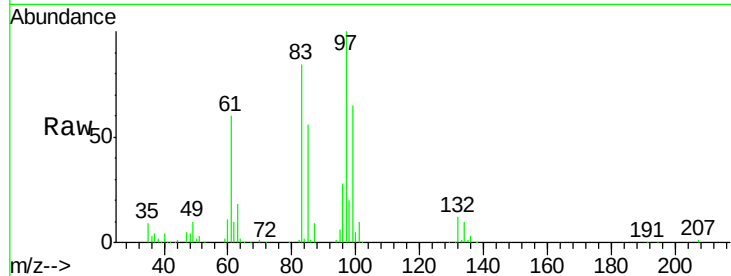
Ion Ratio Lower Upper

97 100

83 83.7 69.7 104.5

85 55.8 41.6 62.4

99 64.8 45.9 68.9

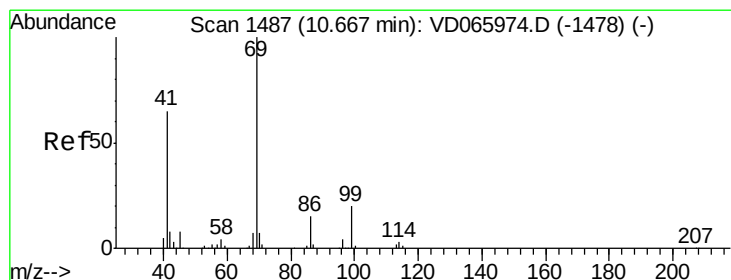
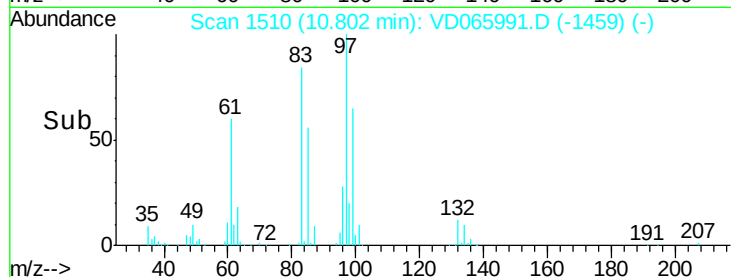
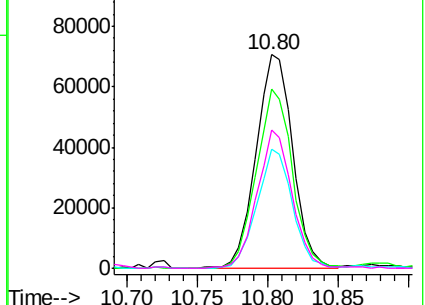


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 60.634 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

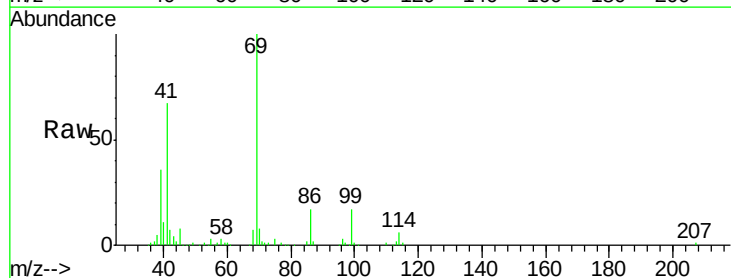
Tgt Ion: 69 Resp: 162584

Ion Ratio Lower Upper

69 100

41 68.6 52.3 78.5

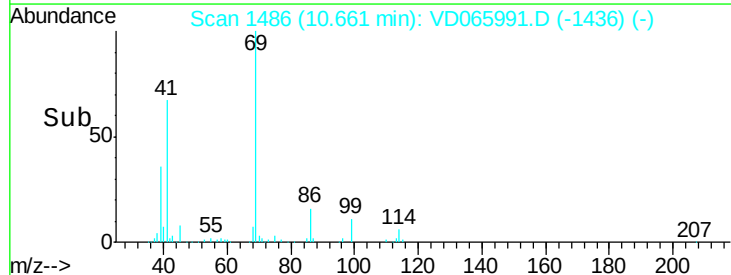
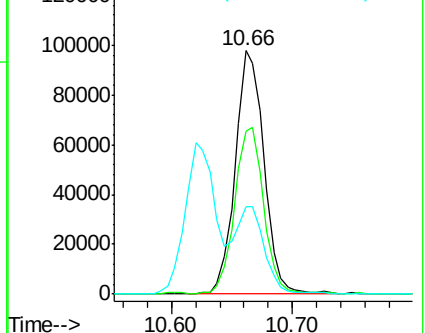
39 32.5 25.2 37.8

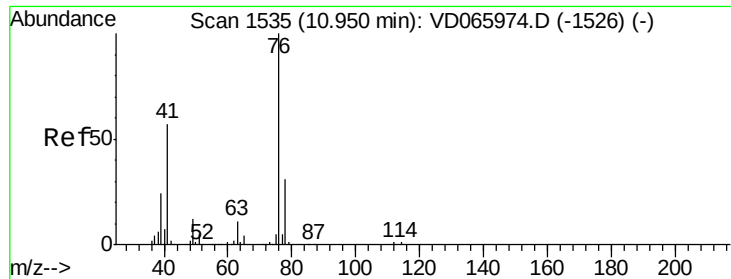


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

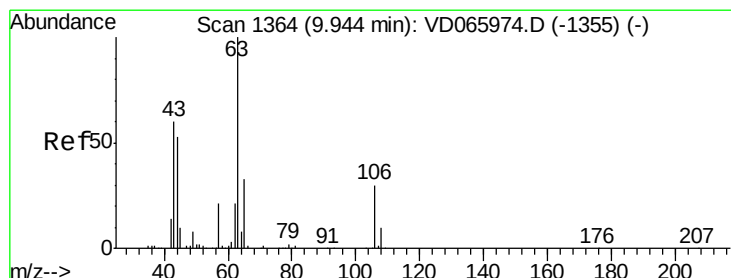
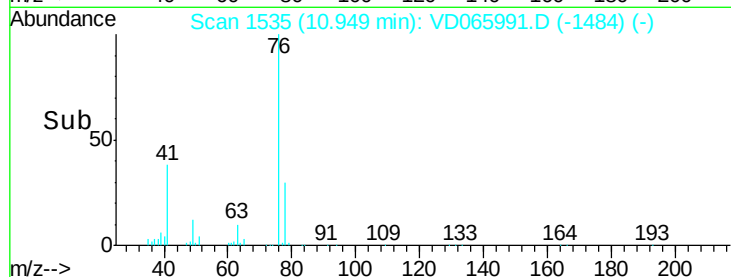
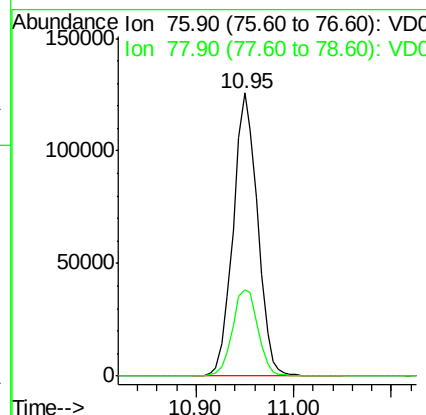
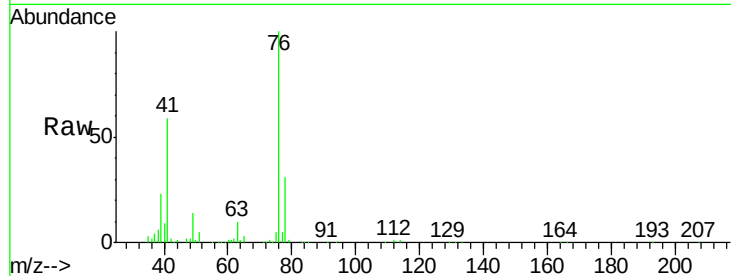




#57
 1,3-Dichloropropane
 Concen: 57.190 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

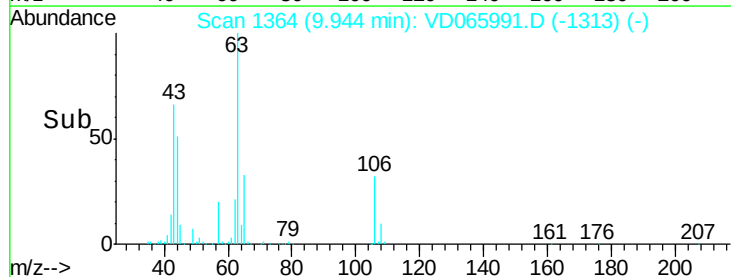
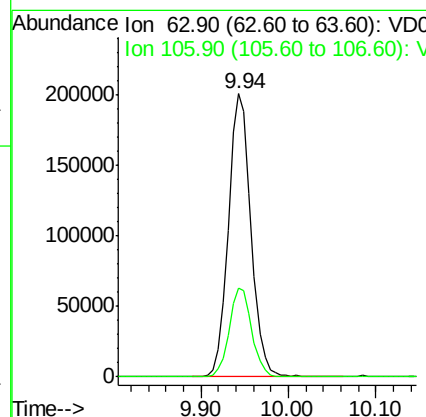
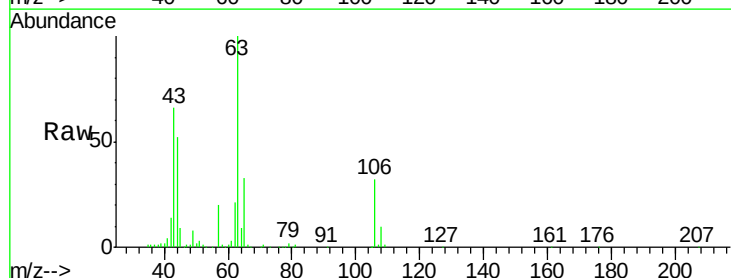
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

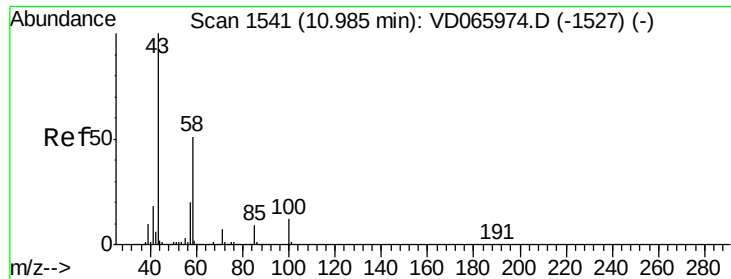
Tot Ion: 76 Resp: 218345
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.204 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 63 Resp: 356355
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.4 36.6

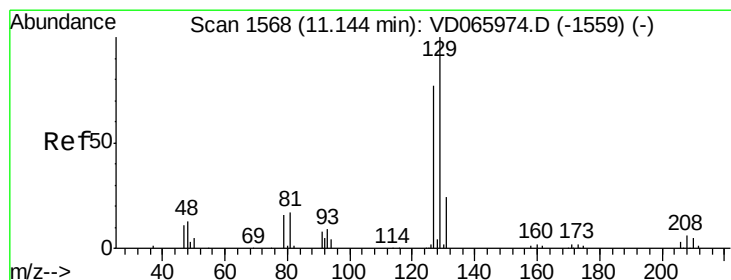
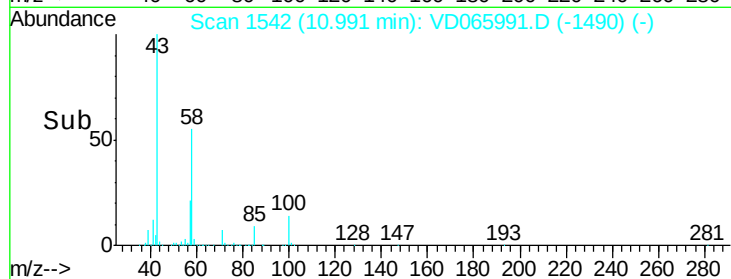
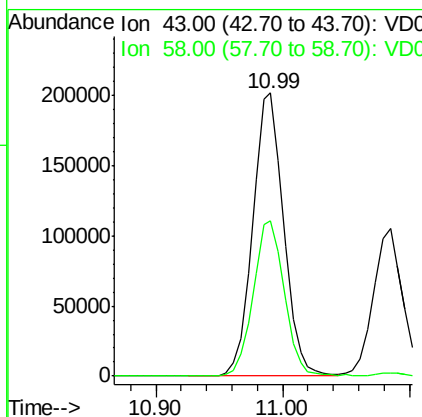
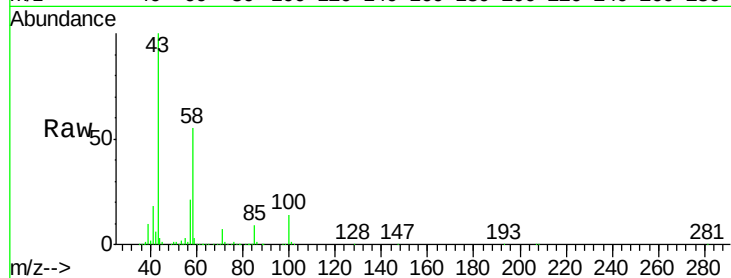




#59
2-Hexanone
Concen: 295.307 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

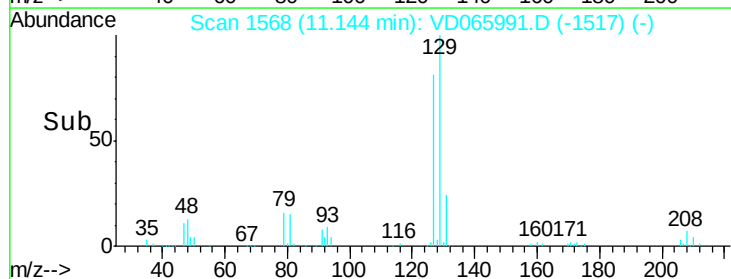
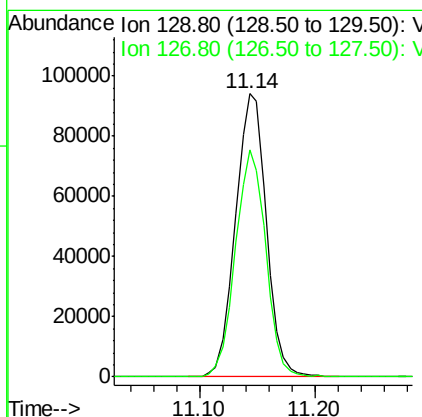
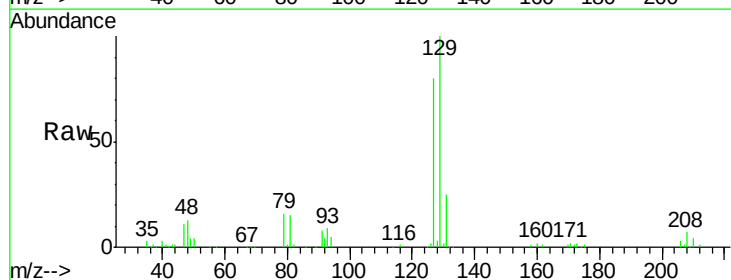
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

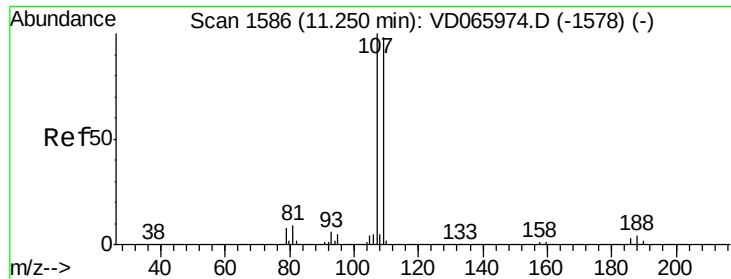
Tot Ion: 43 Resp: 342880
Ion Ratio Lower Upper
43 100
58 55.4 26.2 78.6



#60
Dibromochloromethane
Concen: 55.889 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 129 Resp: 173791
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.7

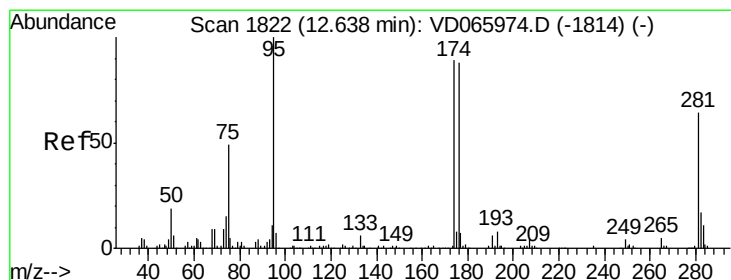
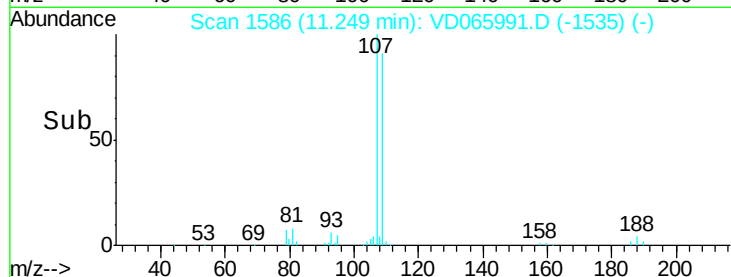
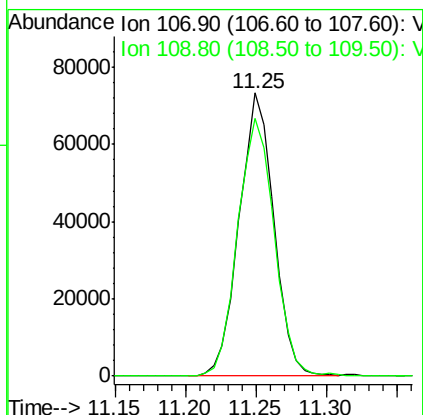
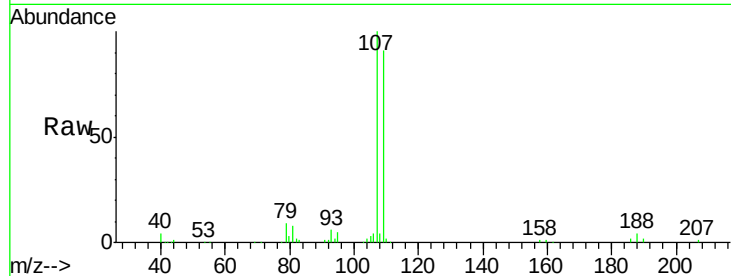




#61
 1,2-Dibromoethane
 Concen: 56.810 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

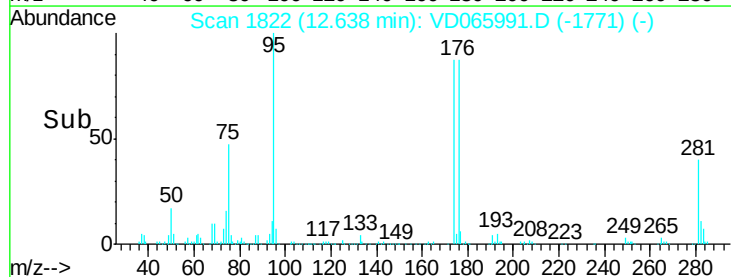
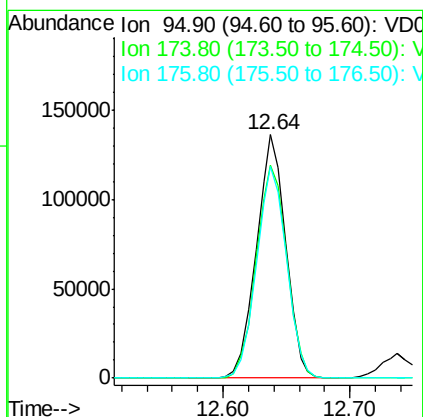
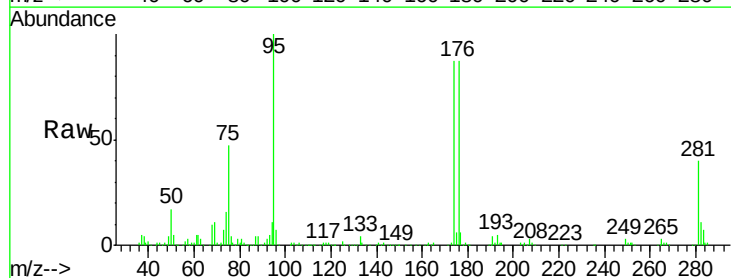
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

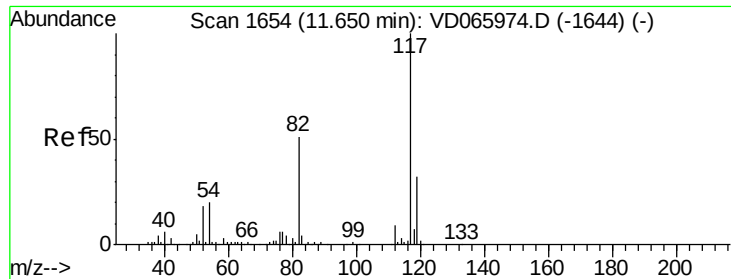
Tot Ion:107 Resp: 126327
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 53.804 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 95 Resp: 220191
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 178.8
 176 88.5 0.0 172.6

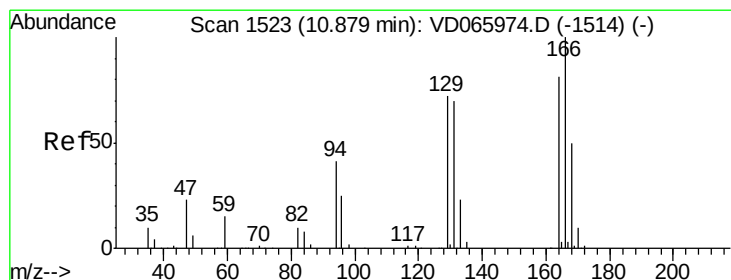
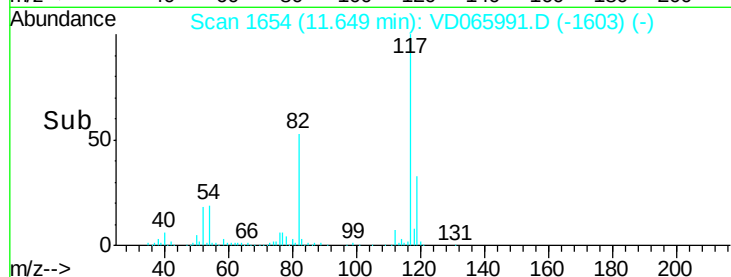
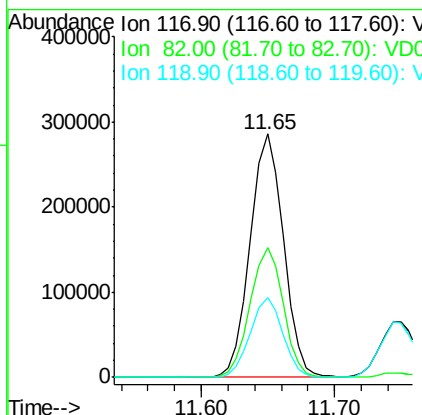
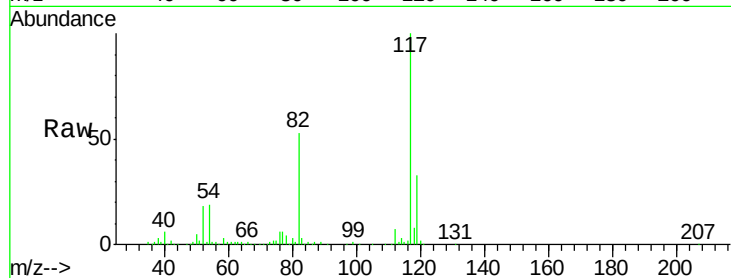




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

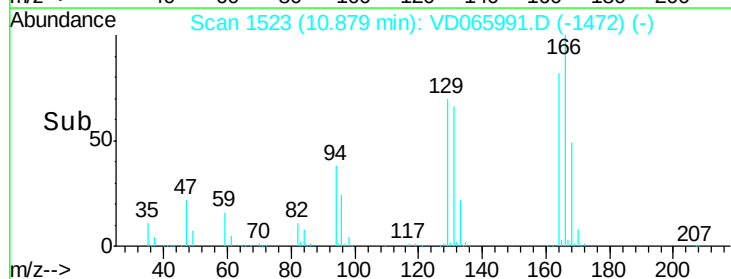
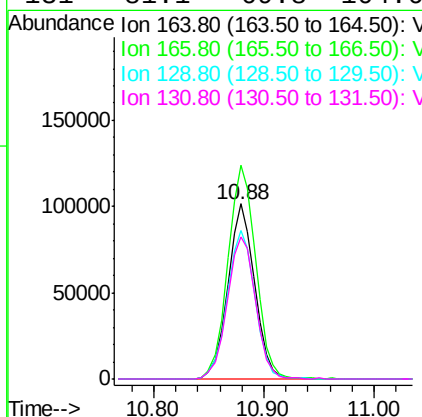
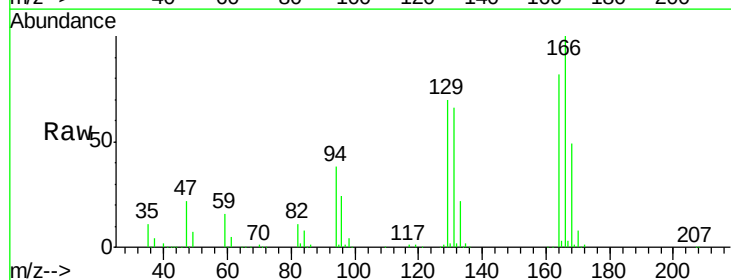
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

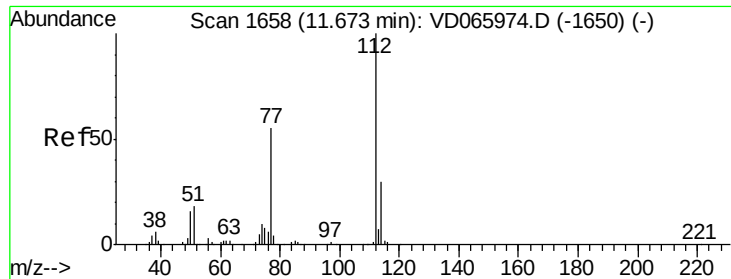
Tot Ion:117 Resp: 494050
Ion Ratio Lower Upper
117 100
82 53.3 41.1 61.7
119 33.0 25.9 38.9



#64
Tetrachloroethene
Concen: 51.381 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion:164 Resp: 172296
Ion Ratio Lower Upper
164 100
166 122.2 99.1 148.7
129 85.1 71.5 107.3
131 81.1 69.8 104.6

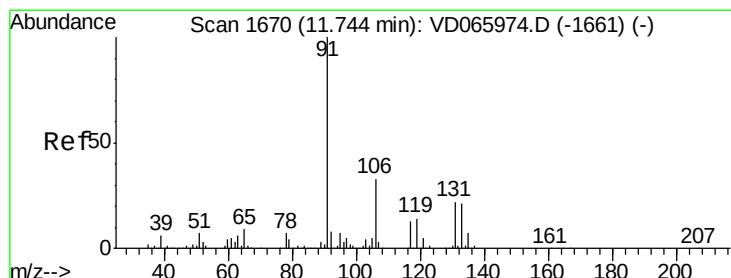
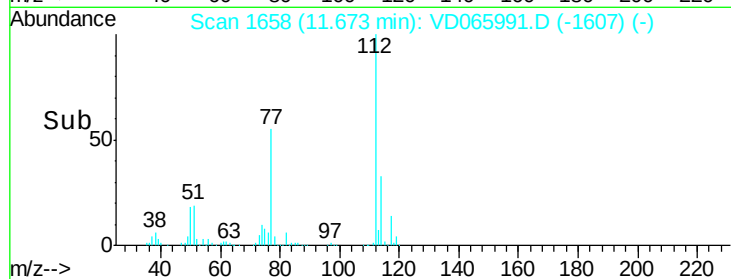
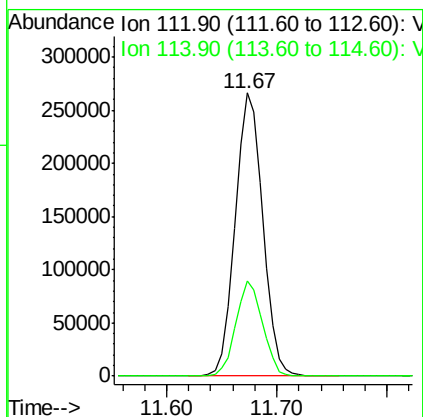
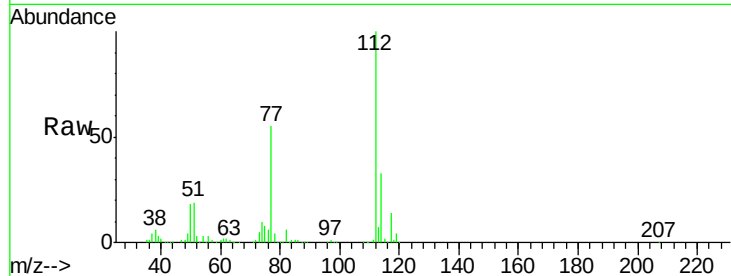




#65
Chlorobenzene
Concen: 51.645 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

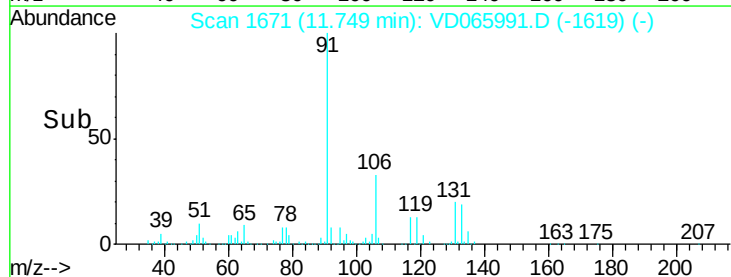
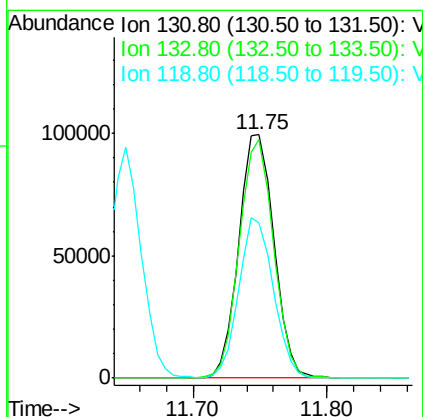
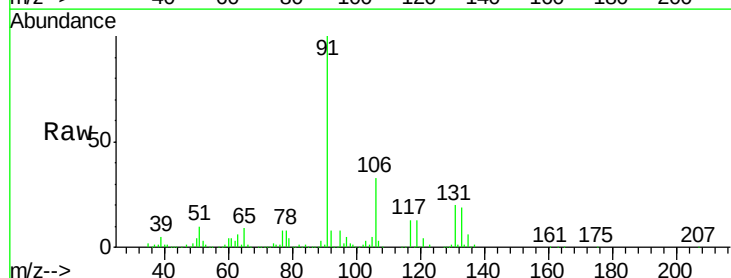
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

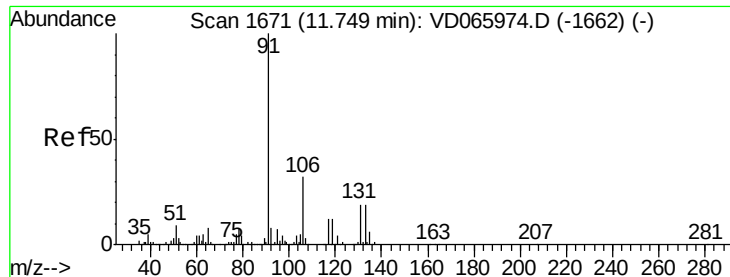
Tot Ion:112 Resp: 467171
Ion Ratio Lower Upper
112 100
114 33.5 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.509 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion:131 Resp: 182066
Ion Ratio Lower Upper
131 100
133 95.0 47.3 142.0
119 64.7 31.7 95.1





#67

Ethyl Benzene

Concen: 52.678 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

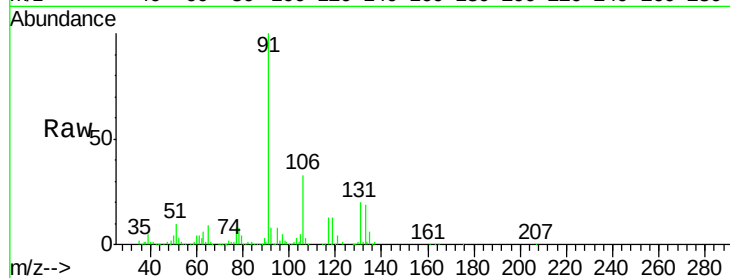
VSTDCCC050EC

Tot Ion: 91 Resp: 820040

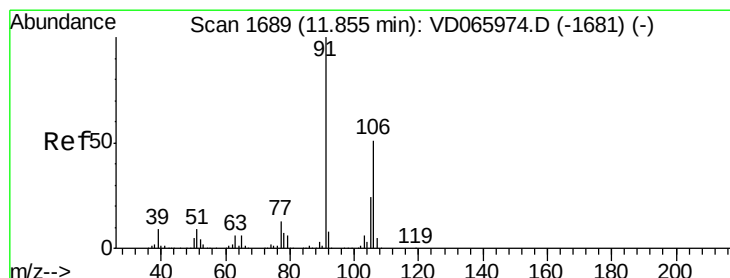
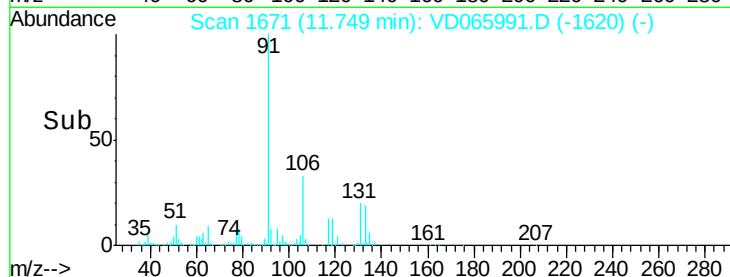
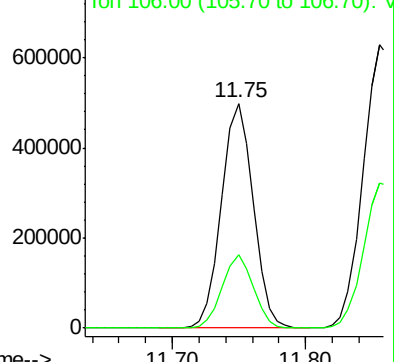
Ion Ratio Lower Upper

91 100

106 32.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 105.802 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065991.D

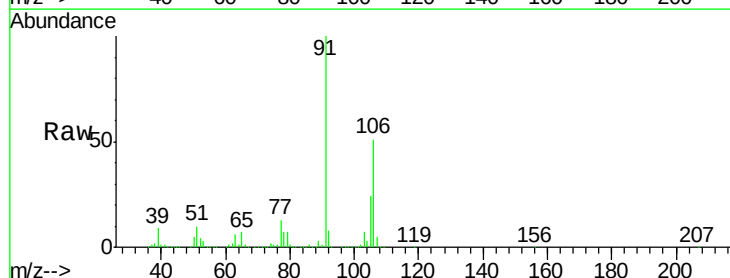
Acq: 21 Jul 2020 20:18

Tgt Ion: 106 Resp: 633051

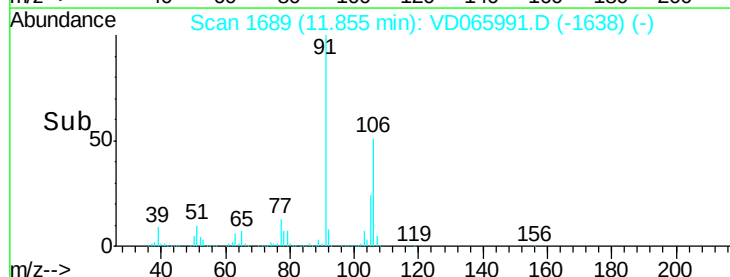
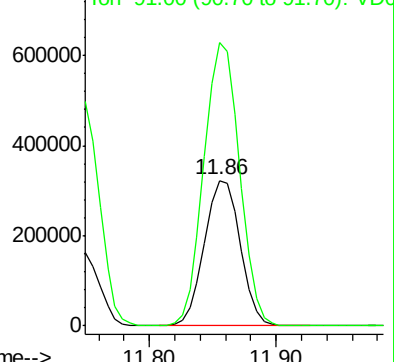
Ion Ratio Lower Upper

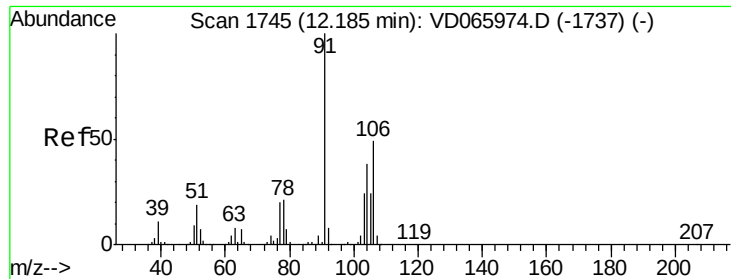
106 100

91 193.9 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

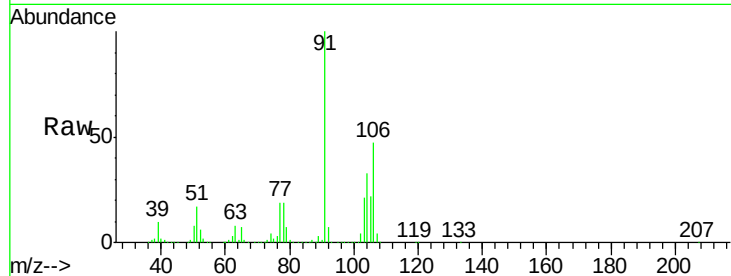




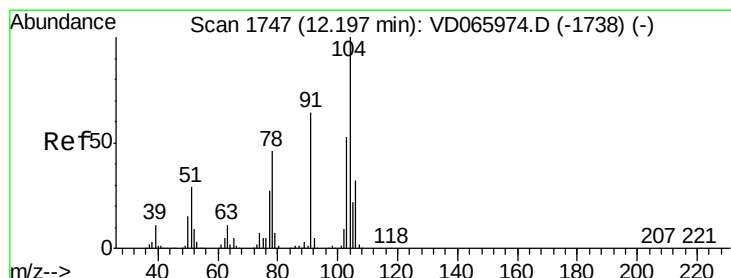
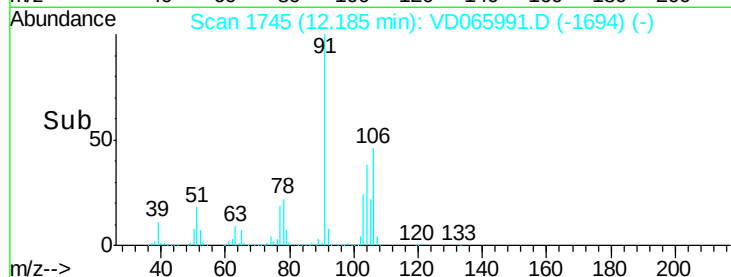
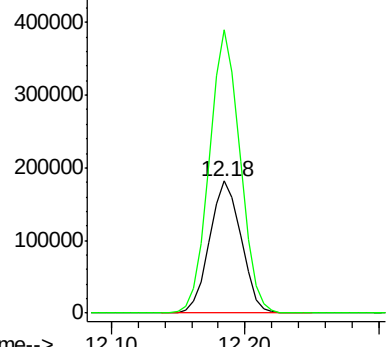
#69
o-Xylene
Concen: 54.771 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 298064
Ion Ratio Lower Upper
106 100
91 208.8 103.1 309.3

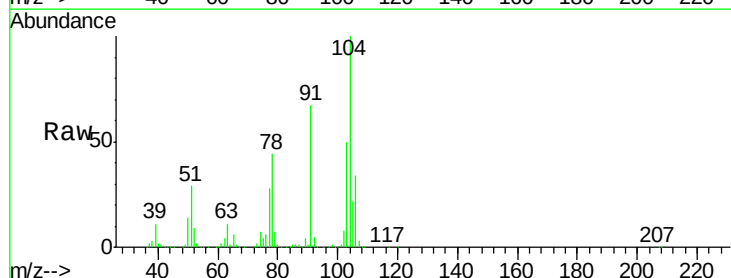


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

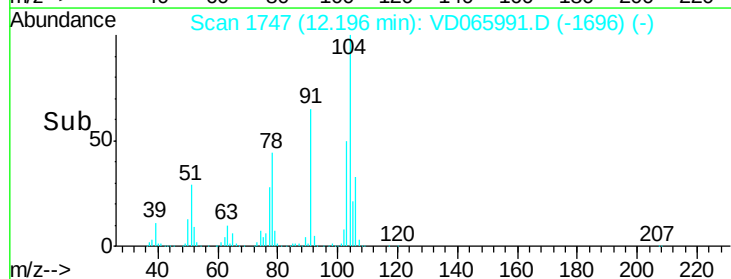
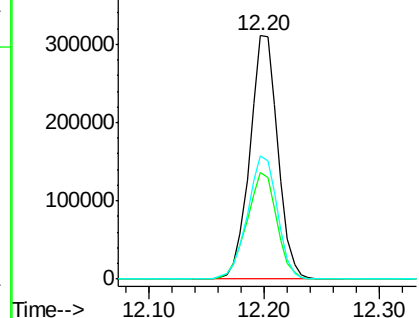


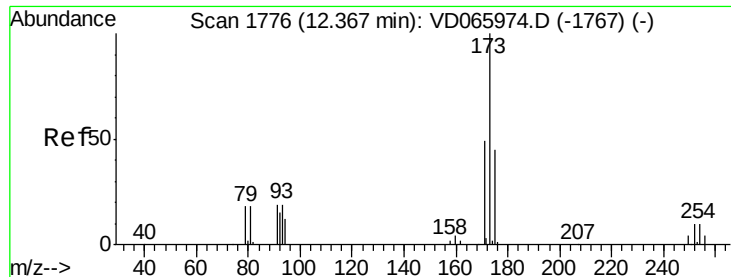
#70
Styrene
Concen: 56.000 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion:104 Resp: 523617
Ion Ratio Lower Upper
104 100
78 46.7 38.3 57.5
103 53.9 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

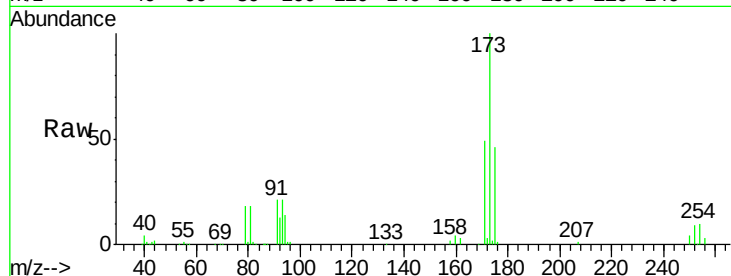




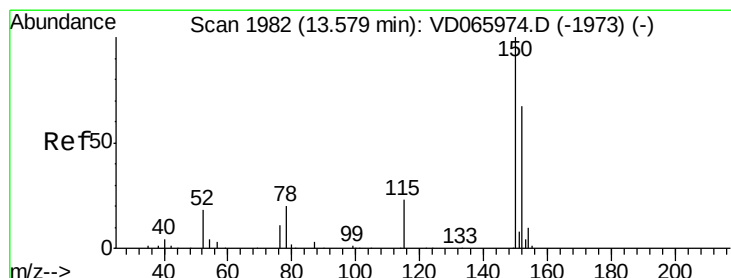
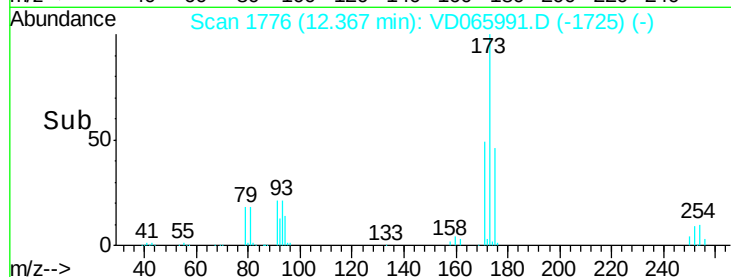
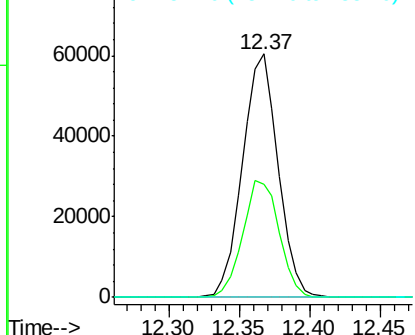
#71
Bromoform
Concen: 54.530 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 106687
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.3
254 0.0 0.0 0.0

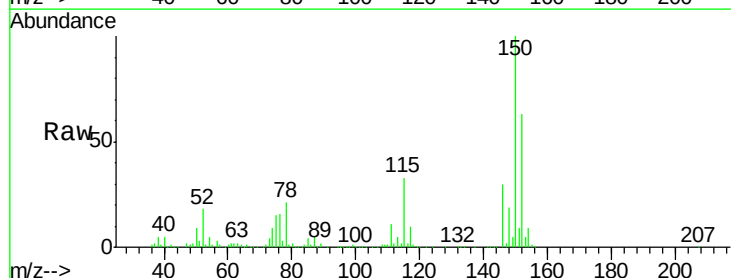


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

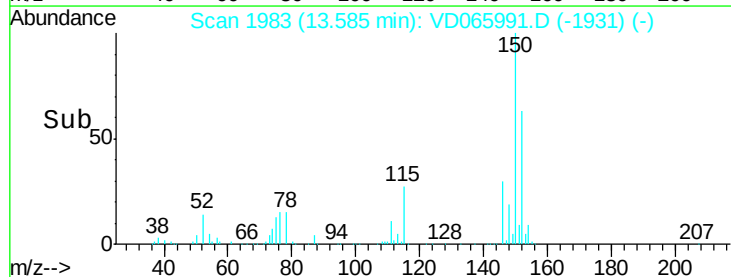
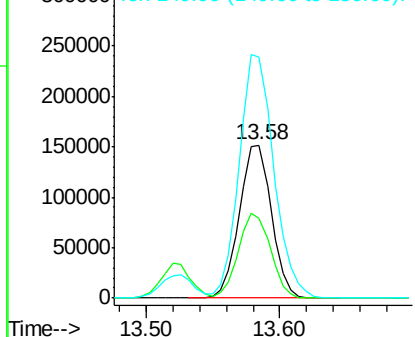


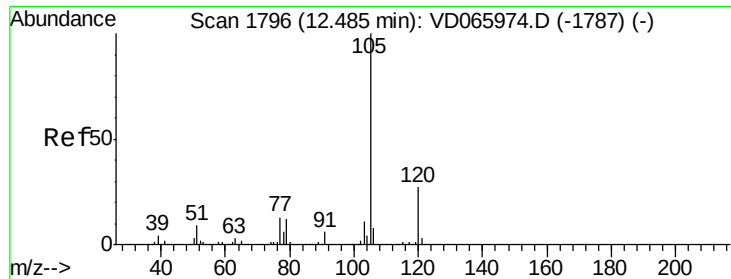
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion:152 Resp: 252099
Ion Ratio Lower Upper
152 100
115 55.6 27.9 83.7
150 172.8 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.089 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

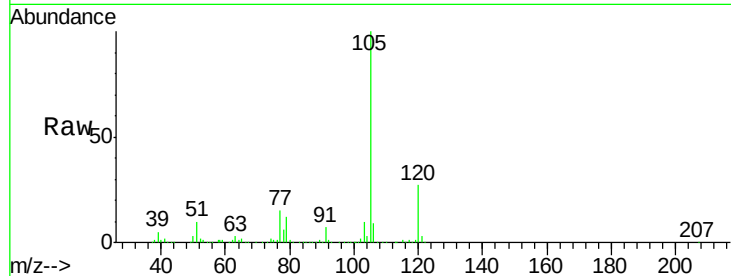
VSTDCCC050EC

Tot Ion:105 Resp: 794591

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

500000

400000

300000

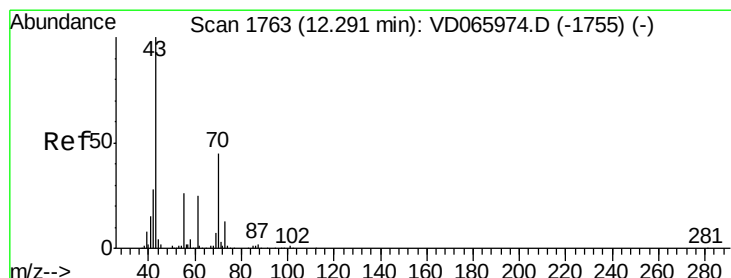
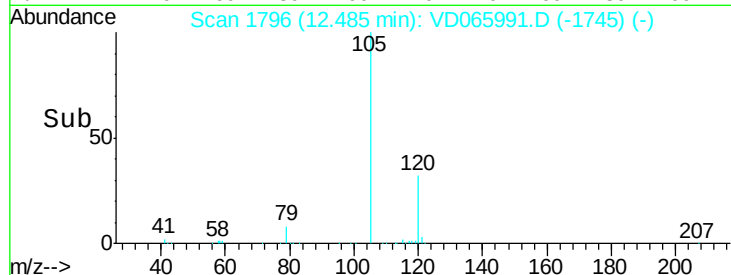
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 58.683 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Tgt Ion: 43 Resp: 185607

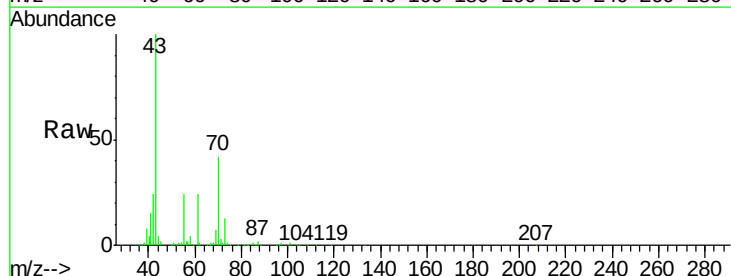
Ion Ratio Lower Upper

43 100

70 41.9 34.6 51.8

55 24.8 20.3 30.5

61 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

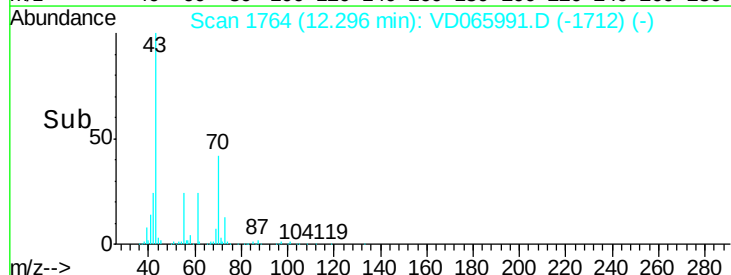
100000

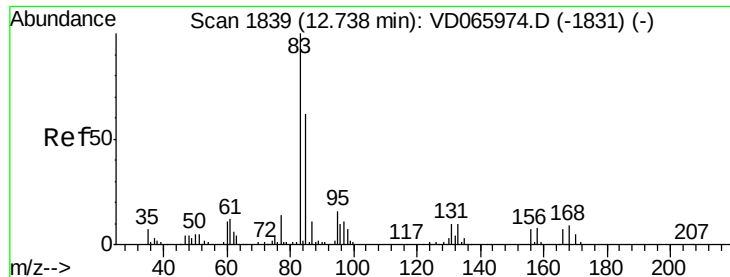
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 53.731 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

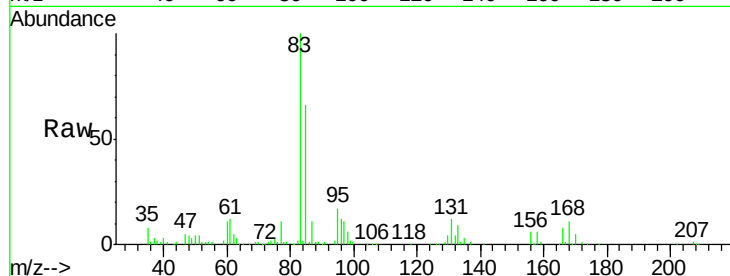
Tot Ion: 83 Resp: 135456

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.1

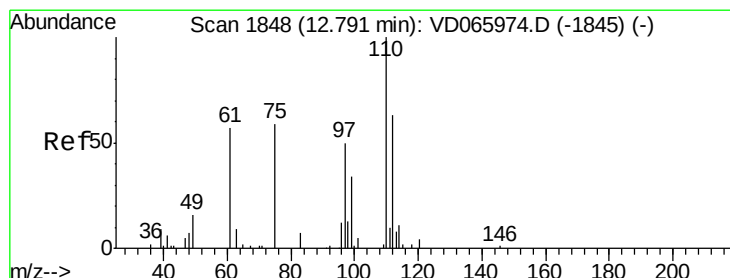
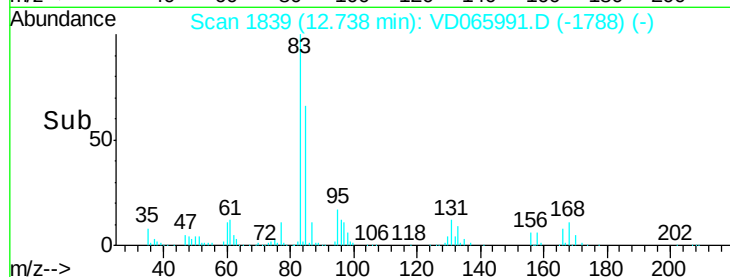
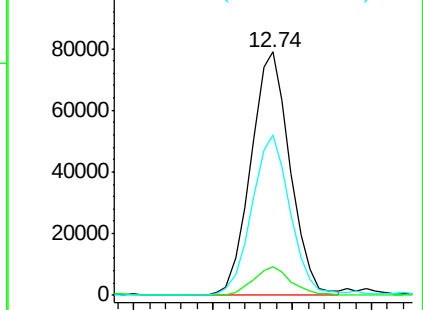
85 65.4 31.9 95.5



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: 92.789 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065991.D

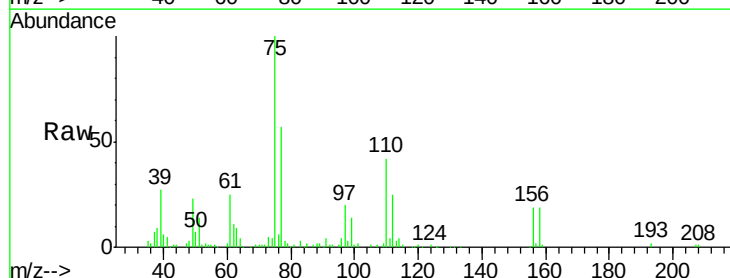
Acq: 21 Jul 2020 20:18

Tgt Ion: 75 Resp: 176130

Ion Ratio Lower Upper

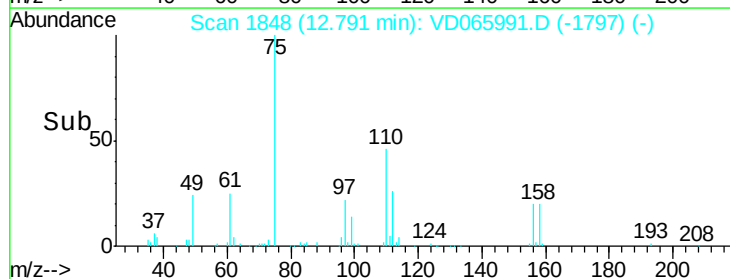
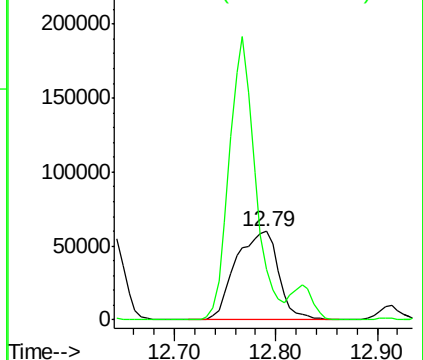
75 100

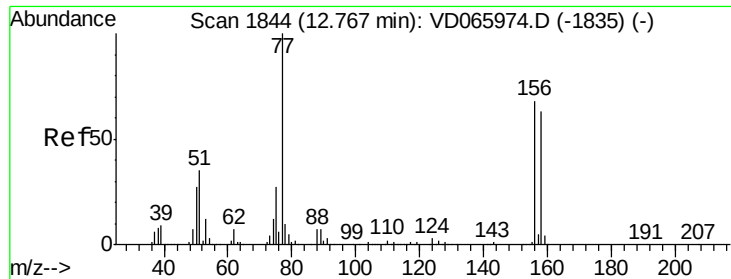
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.672 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

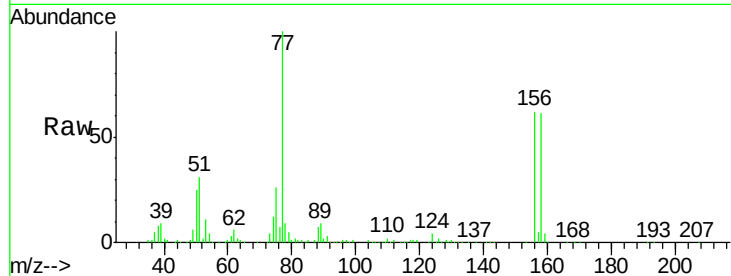
Tot Ion:156 Resp: 205340

Ion Ratio Lower Upper

156 100

77 167.9 83.0 249.0

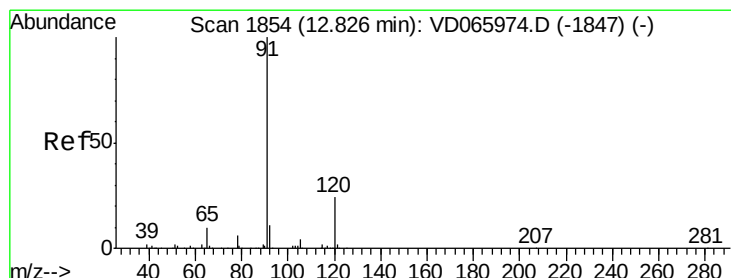
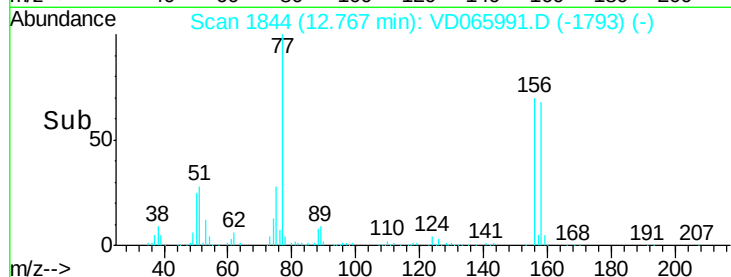
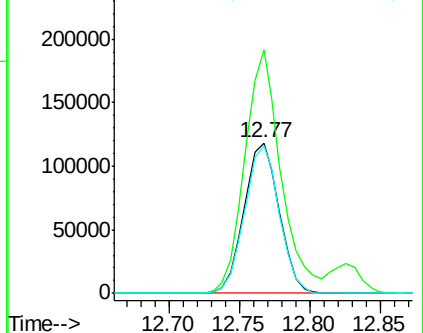
158 97.4 48.2 144.6



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: 52.147 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065991.D

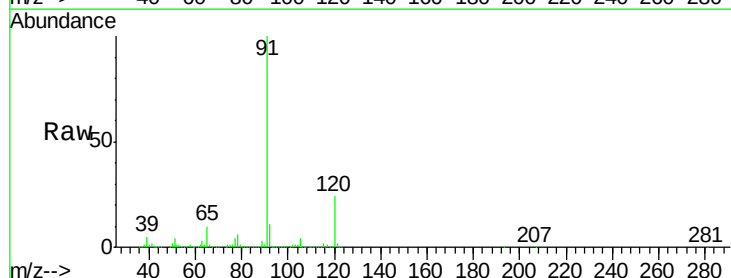
Acq: 21 Jul 2020 20:18

Tgt Ion: 91 Resp: 923083

Ion Ratio Lower Upper

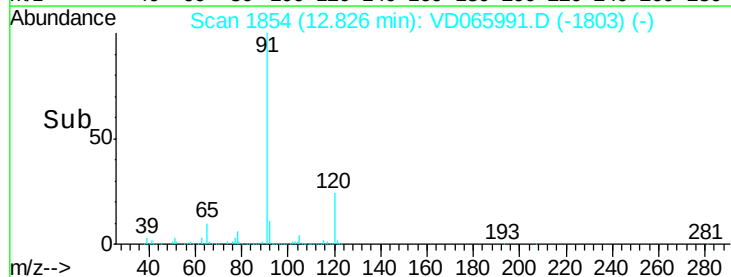
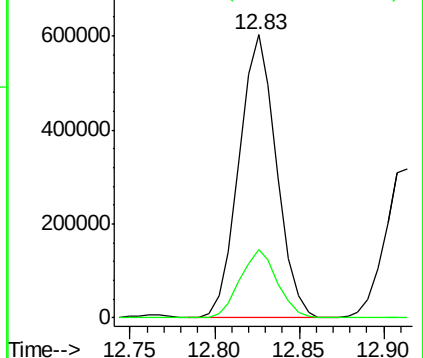
91 100

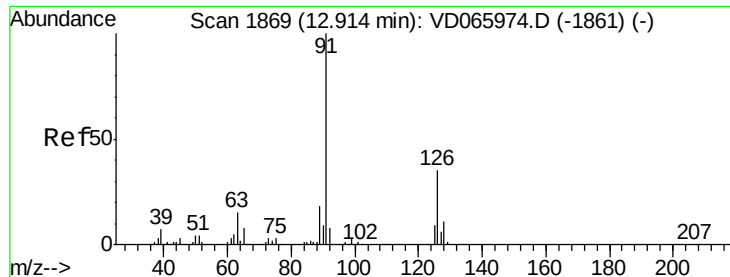
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

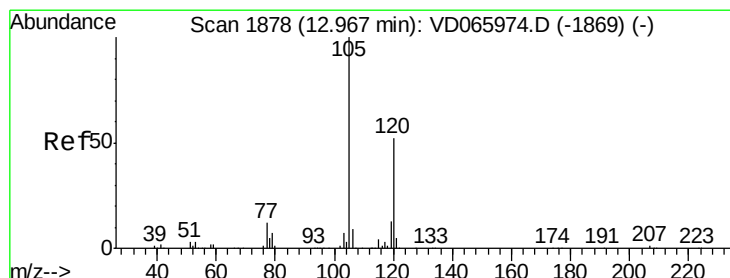
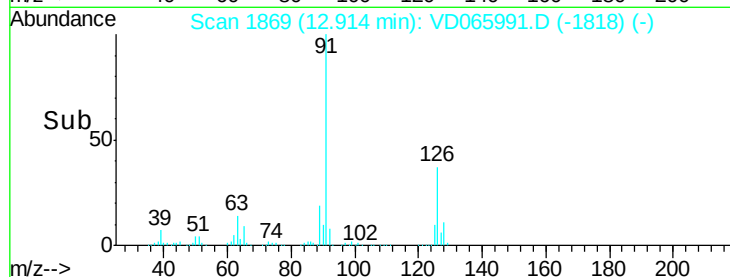
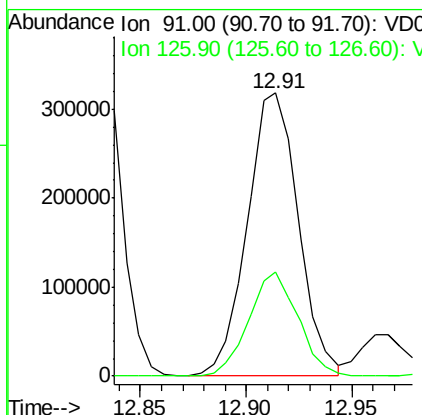
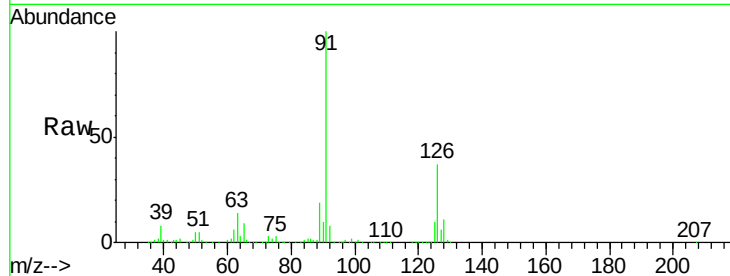




#79
 2-Chlorotoluene
 Concen: 52.639 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

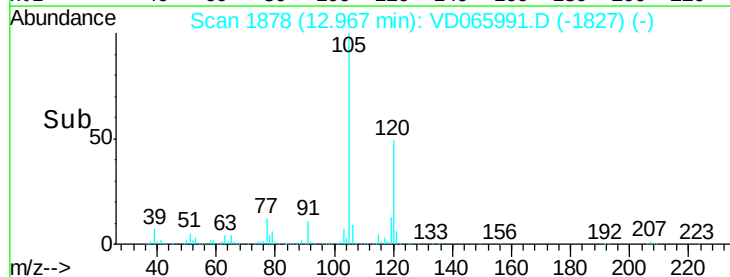
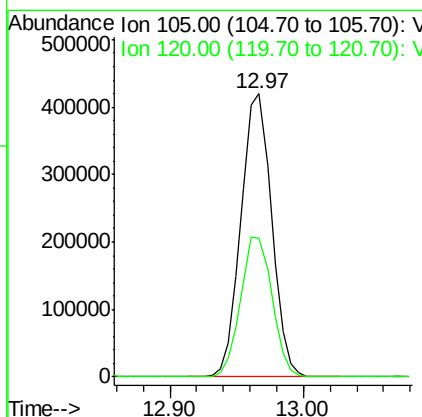
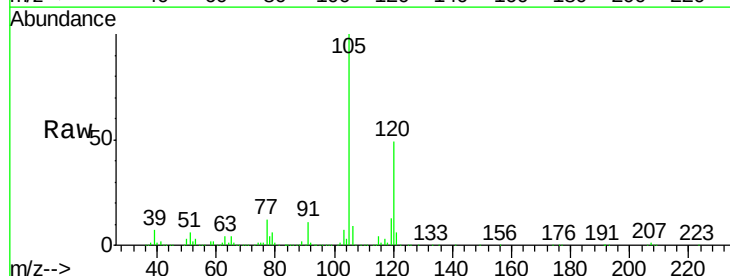
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

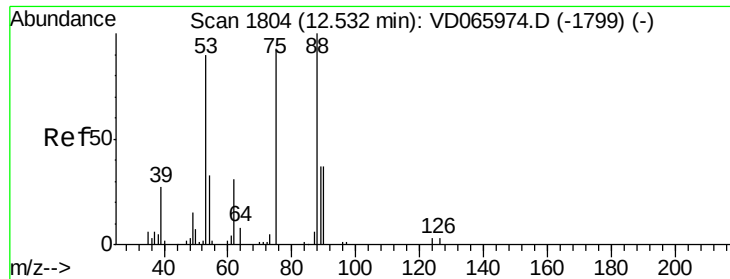
Tot Ion: 91 Resp: 532332
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 53.253 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 105 Resp: 667405
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.6

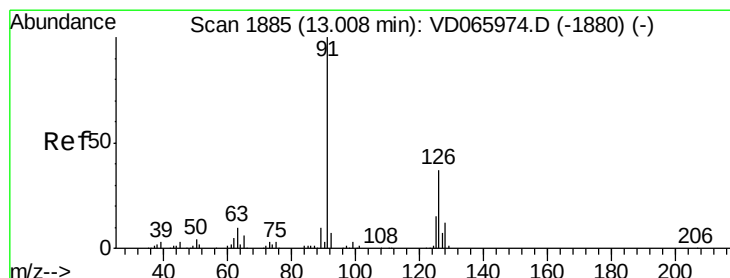
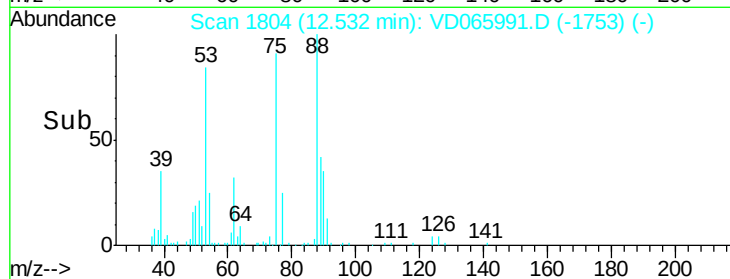
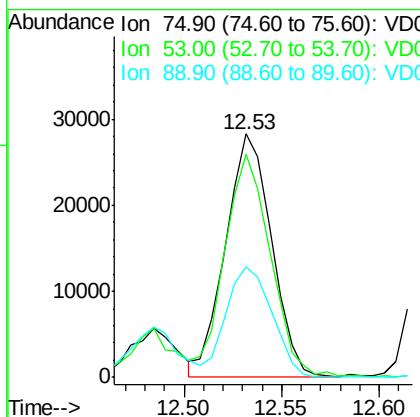
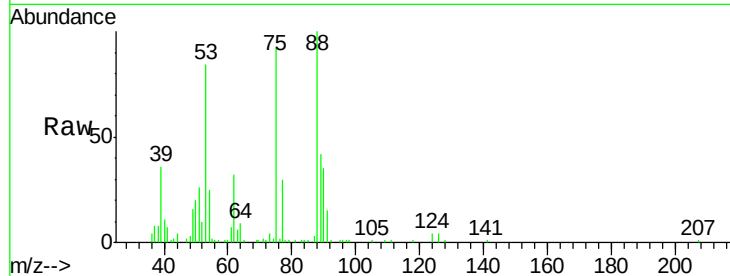




#81
trans-1,4-Dichloro-2-butene
Concen: 55.901 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

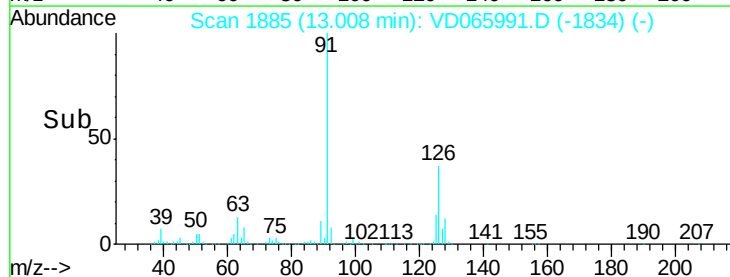
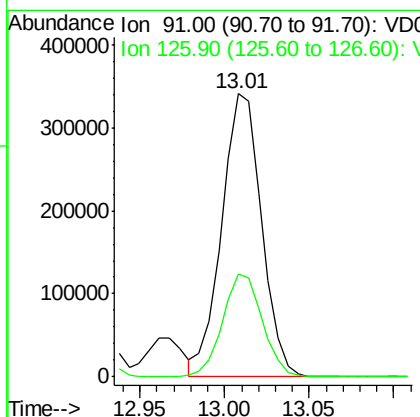
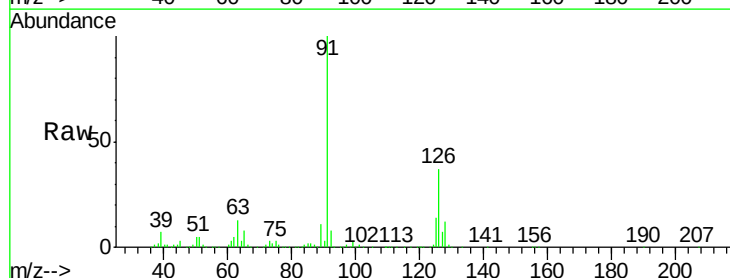
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

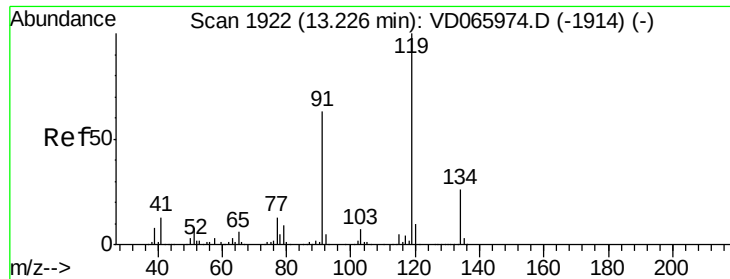
Tot Ion: 75 Resp: 46242
Ion Ratio Lower Upper
75 100
53 91.9 76.8 115.2
89 45.3 37.0 55.4



#82
4-Chlorotoluene
Concen: 52.179 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 91 Resp: 556968
Ion Ratio Lower Upper
91 100
126 36.4 17.8 53.5

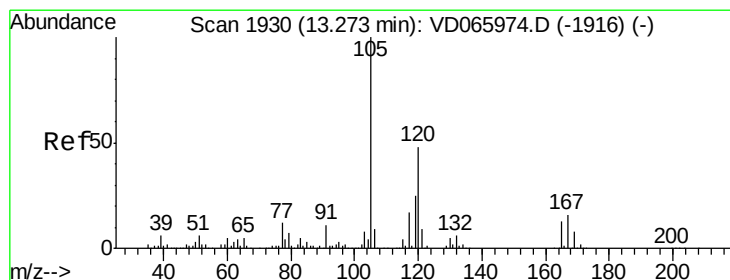
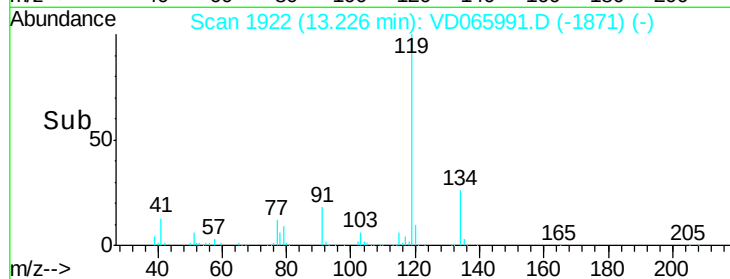
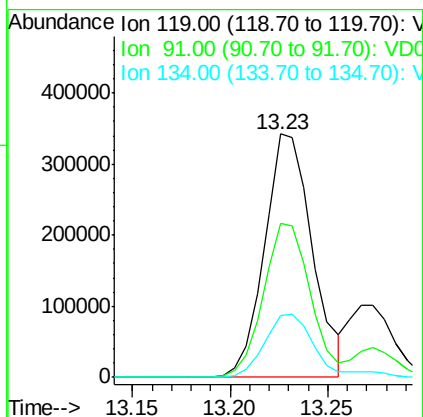
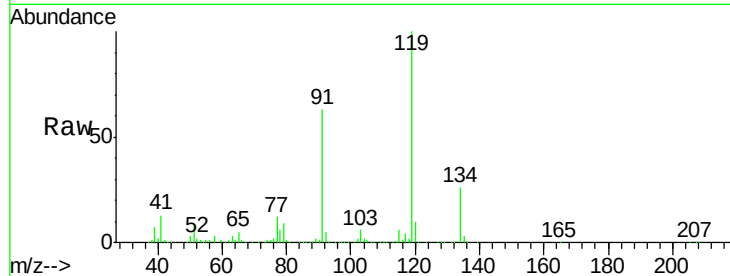




#83
 tert-Butylbenzene
 Concen: 52.881 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

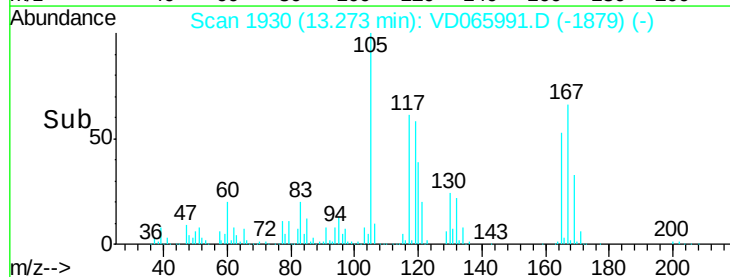
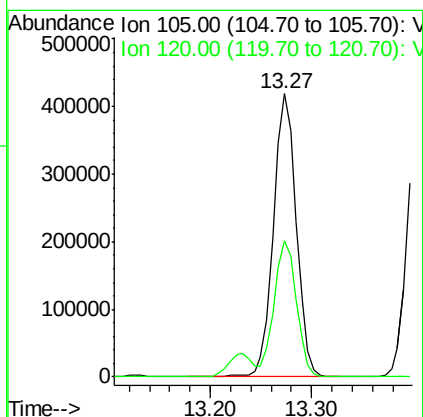
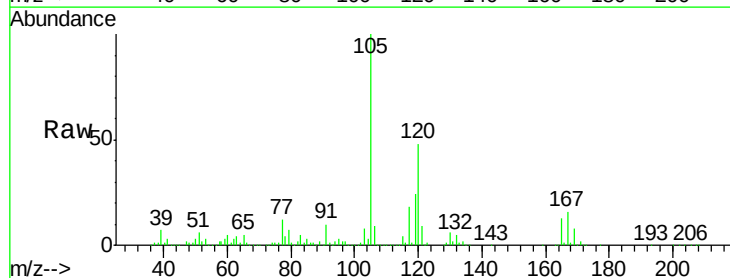
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

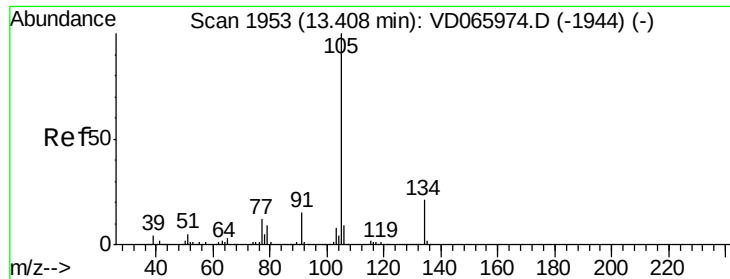
Tot Ion:119 Resp: 579942
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.6 91.6
 134 27.9 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.260 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion:105 Resp: 658532
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.8





#85

sec-Butylbenzene

Concen: 51.866 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

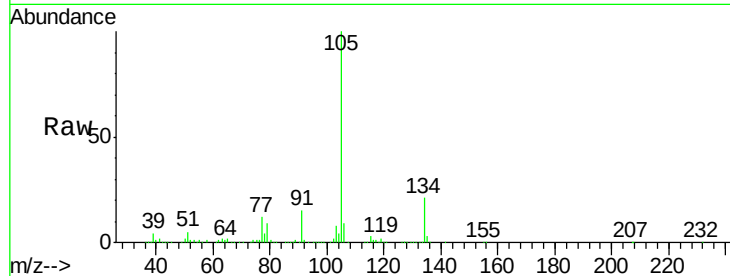
VSTDCCC050EC

Tot Ion:105 Resp: 783472

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

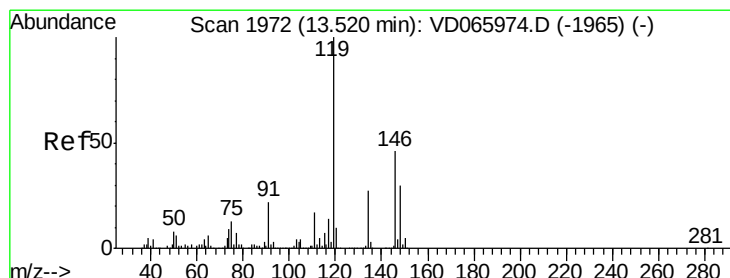
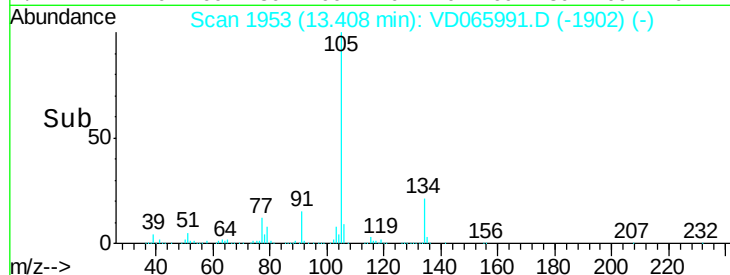
200000

100000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 52.991 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

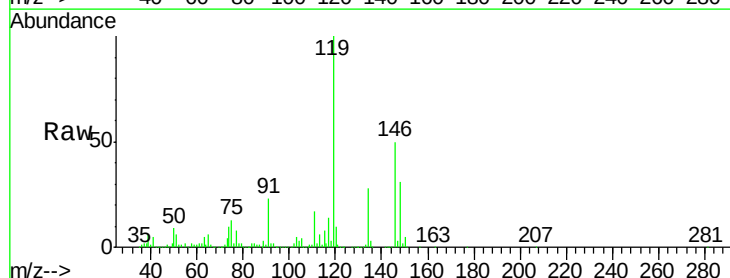
Tgt Ion:119 Resp: 727230

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.5 11.1 33.3



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

600000

500000

400000

300000

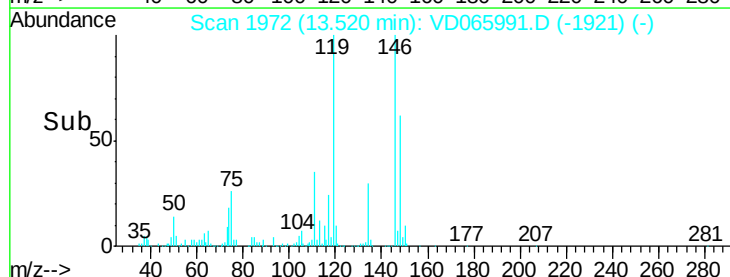
200000

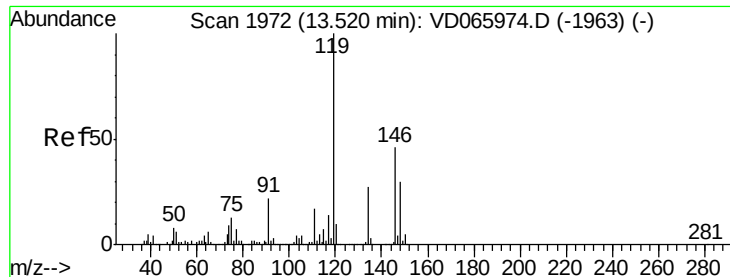
100000

0

13.40 13.50 13.60

Time-->

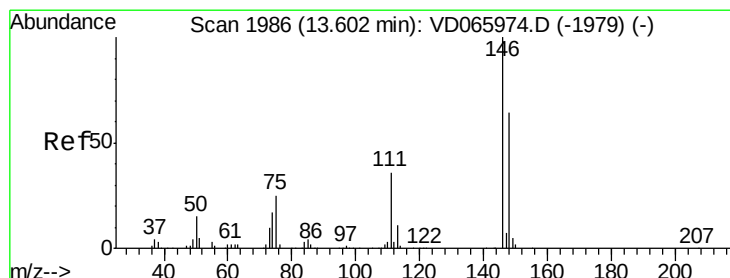
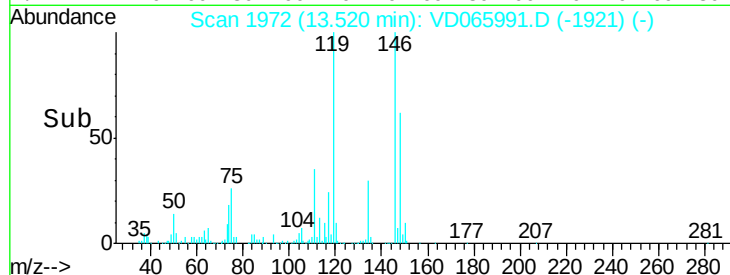
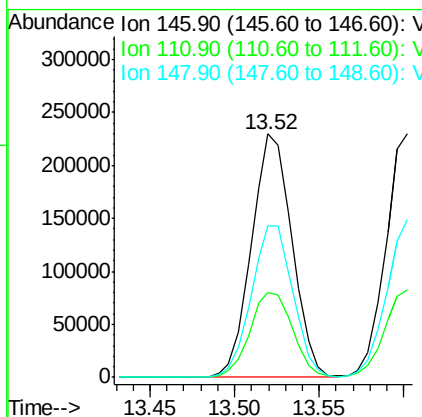
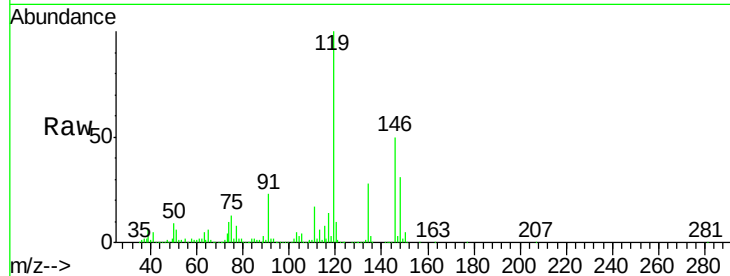




#87
 1,3-Dichlorobenzene
 Concen: 52.717 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

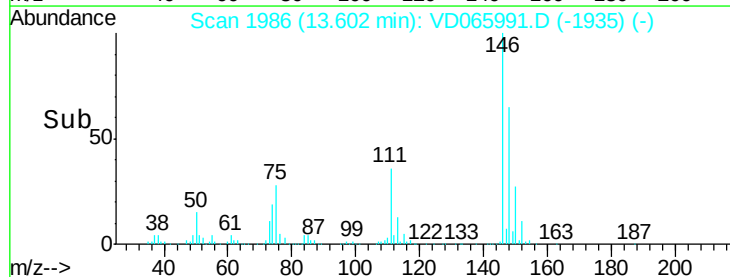
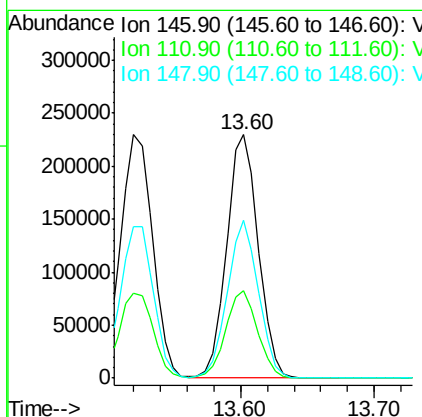
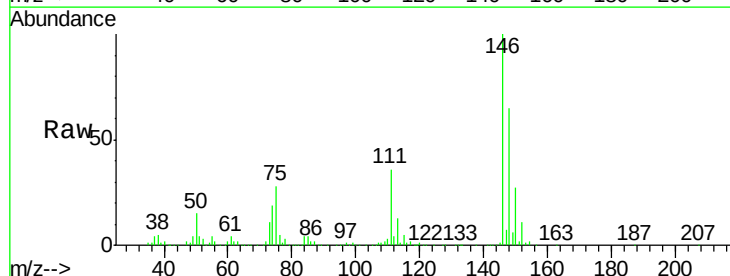
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

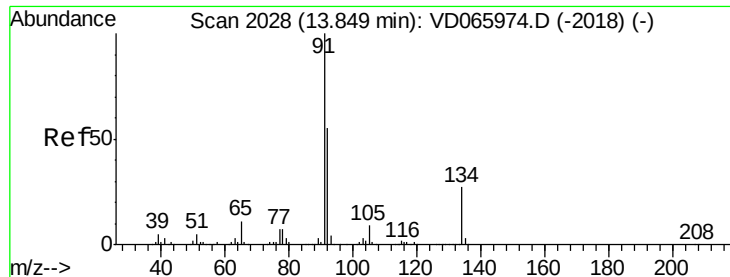
Tot Ion:146 Resp: 381565
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.6
 148 63.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.899 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion:146 Resp: 379749
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.8 56.4
 148 63.7 32.2 96.6

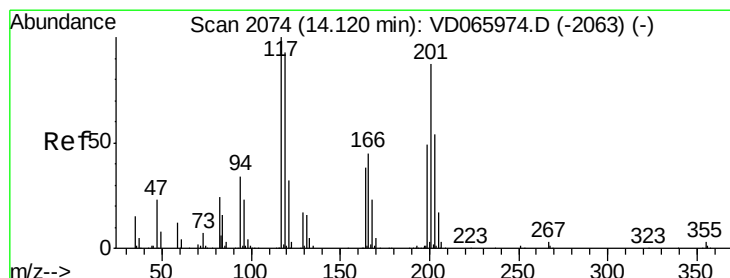
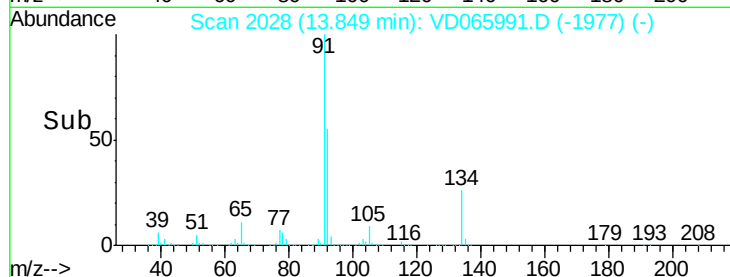
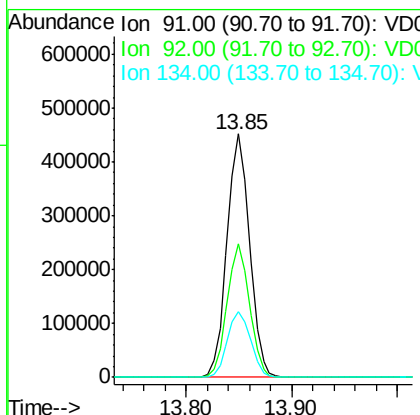
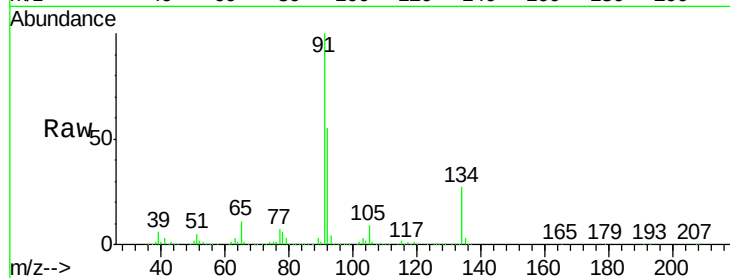




#89
n-Butylbenzene
Concen: 52.322 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

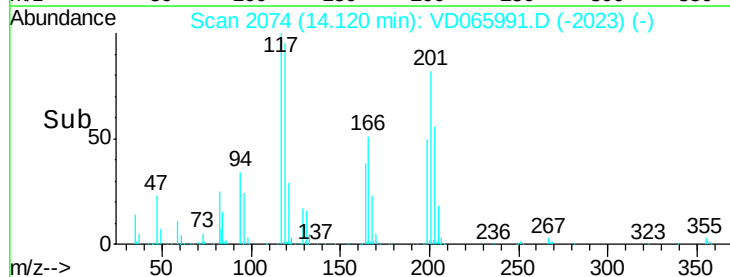
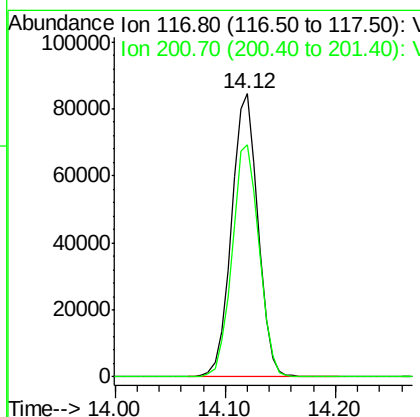
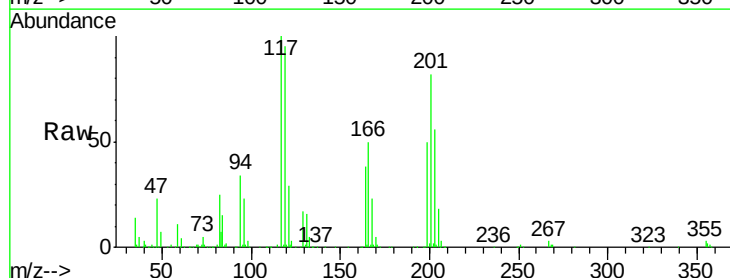
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

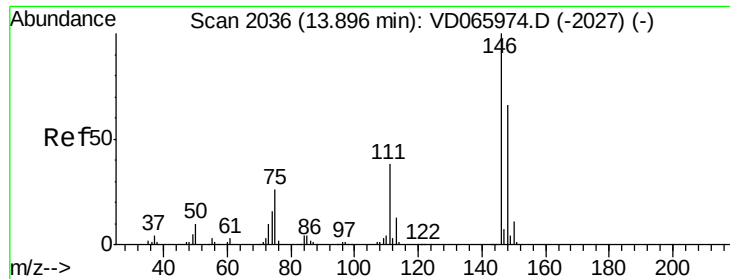
Tot Ion: 91 Resp: 667665
Ion Ratio Lower Upper
91 100
92 54.1 27.2 81.6
134 27.7 13.8 41.4



#90
Hexachloroethane
Concen: 50.058 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065991.D
Acq: 21 Jul 2020 20:18

Tgt Ion: 117 Resp: 142213
Ion Ratio Lower Upper
117 100
201 83.5 42.0 126.1

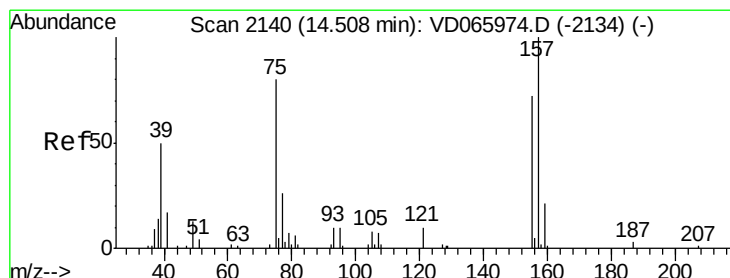
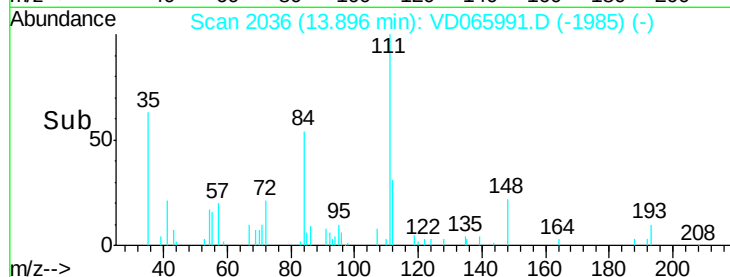
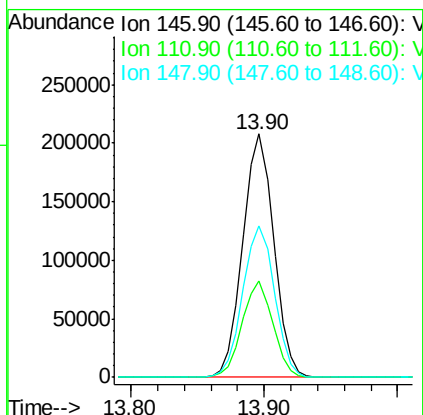
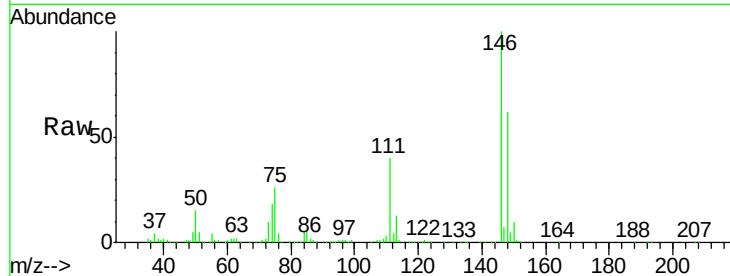




#91
 1,2-Dichlorobenzene
 Concen: 53.275 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

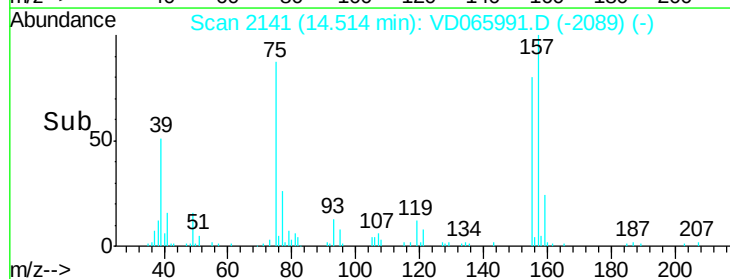
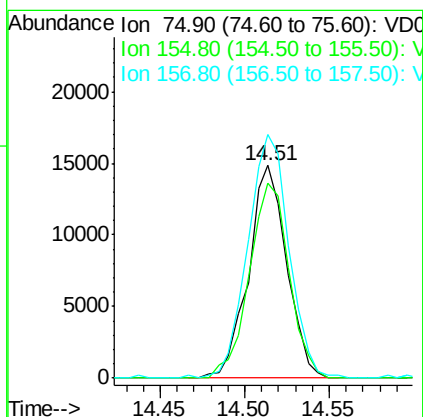
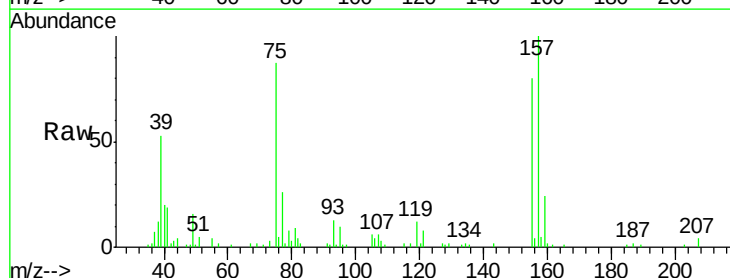
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

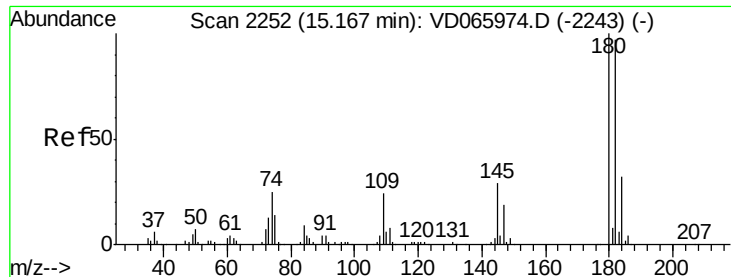
Tot Ion:146 Resp: 334139
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 63.7 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.413 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion: 75 Resp: 23308
 Ion Ratio Lower Upper
 75 100
 155 95.5 48.5 145.5
 157 123.7 64.7 194.1

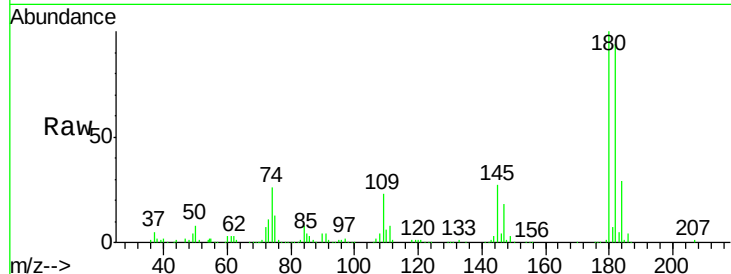




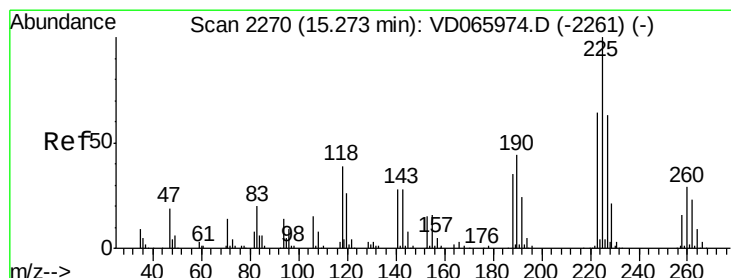
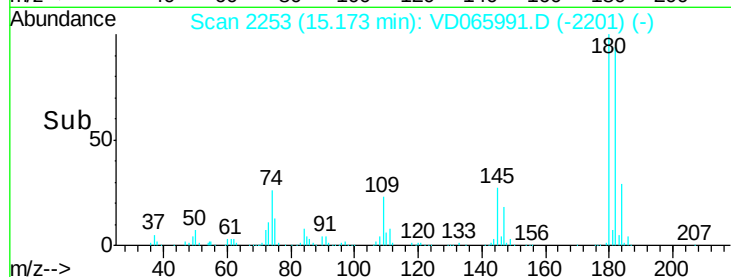
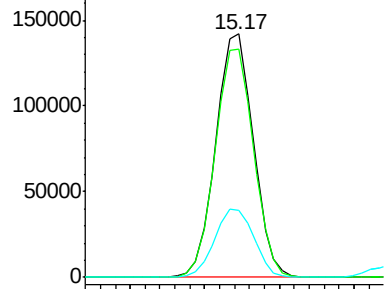
#93
 1,2,4-Trichlorobenzene
 Concen: 54.949 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 247381
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.3
 145 29.5 14.7 44.1

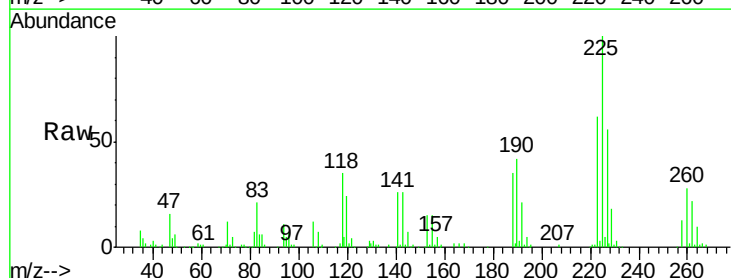


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

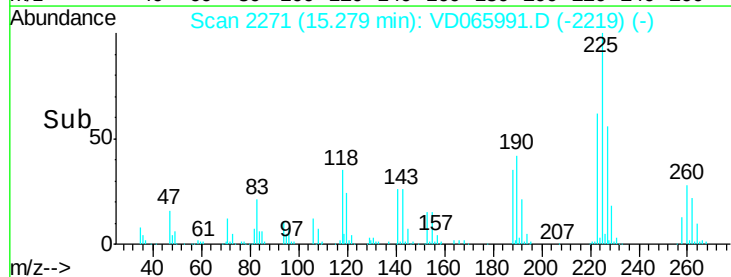
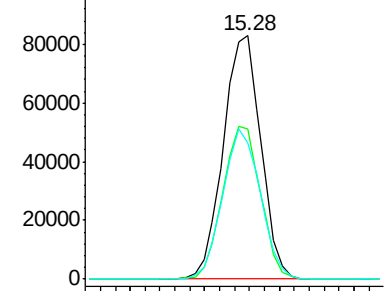


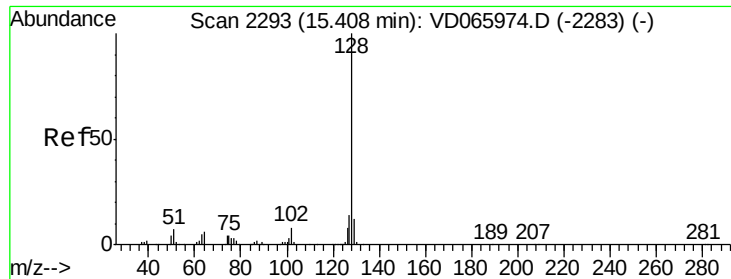
#94
 Hexachlorobutadiene
 Concen: 51.627 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065991.D
 Acq: 21 Jul 2020 20:18

Tgt Ion:225 Resp: 143692
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.2 93.6
 227 62.0 31.6 94.8



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





#95

Naphthalene

Concen: 53.703 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

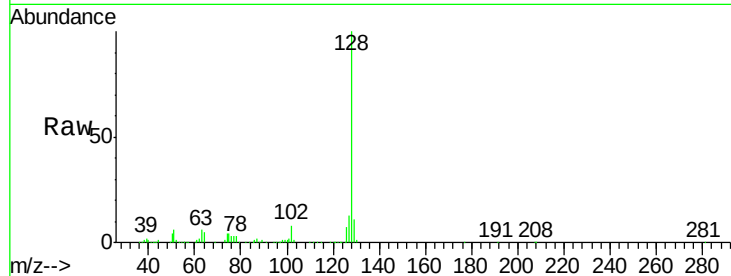
Tot Ion:128 Resp: 432210

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

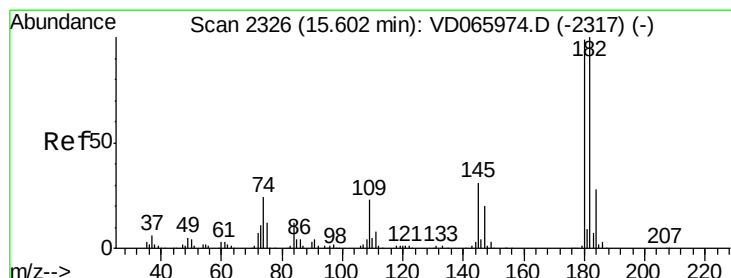
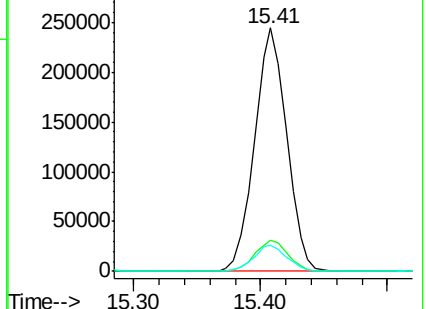
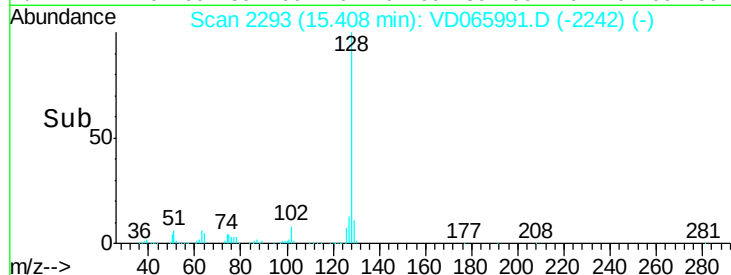
129 11.0 8.9 13.3



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: 54.697 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065991.D

Acq: 21 Jul 2020 20:18

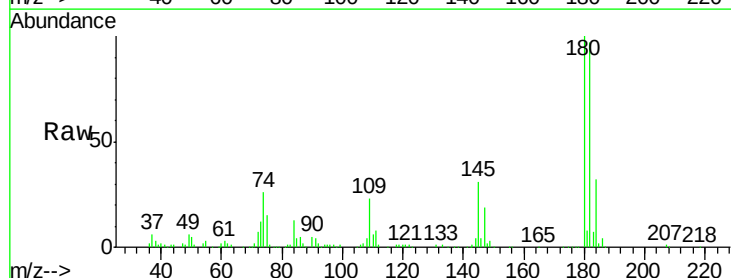
Tgt Ion:180 Resp: 214073

Ion Ratio Lower Upper

180 100

182 98.1 47.9 143.6

145 31.6 15.4 46.2



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

