

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067757.D
 Acq On : 23 Nov 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 24 00:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	268928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	401731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	373012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147319	56.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.68%
35) Dibromofluoromethane	7.92	113	138978	54.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.72%
50) Toluene-d8	10.34	98	496893	53.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.32%
62) 4-Bromofluorobenzene	12.64	95	174570	54.64	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108639	46.421	ug/l	95
3) Chloromethane	2.21	50	69534	53.369	ug/l	97
4) Vinyl Chloride	2.35	62	78117	47.848	ug/l	94
5) Bromomethane	2.77	94	70101	50.397	ug/l	97
6) Chloroethane	2.93	64	50228	46.161	ug/l #	88
7) Trichlorofluoromethane	3.27	101	220391	44.237	ug/l	94
8) Diethyl Ether	3.71	74	50263	49.970	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108167	45.340	ug/l	98
10) Methyl Iodide	4.30	142	119164	48.800	ug/l	97
11) Tert butyl alcohol	5.20	59	19016	115.957	ug/l #	63
12) 1,1-Dichloroethene	4.07	96	104516	47.346	ug/l	95
13) Acrolein	3.92	56	26957	248.721	ug/l	87
14) Allyl chloride	4.71	41	107957	50.591	ug/l	99
15) Acrylonitrile	5.41	53	91178	260.259	ug/l	97
16) Acetone	4.15	43	77741	230.138	ug/l #	87
17) Carbon Disulfide	4.41	76	307126	48.103	ug/l	99
18) Methyl Acetate	4.72	43	35002	51.504	ug/l	90
19) Methyl tert-butyl Ether	5.47	73	246885	52.330	ug/l	99
20) Methylene Chloride	4.96	84	128328	50.227	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	120590	48.049	ug/l	97
22) Diisopropyl ether	6.36	45	220522	52.353	ug/l	98
23) Vinyl Acetate	6.31	43	632825	266.332	ug/l	97
24) 1,1-Dichloroethane	6.27	63	183831	51.476	ug/l	98
25) 2-Butanone	7.21	43	92731	244.632	ug/l	91
26) 2,2-Dichloropropane	7.21	77	187796	44.575	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	137520	51.407	ug/l	97
28) Bromochloromethane	7.55	49	63742	55.721	ug/l	100
29) Tetrahydrofuran	7.57	42	56181	260.676	ug/l	96
30) Chloroform	7.71	83	226740	48.553	ug/l	96
31) Cyclohexane	7.99	56	138024	43.625	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	227094	45.917	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154874	44.926	ug/l	98
37) Ethyl Acetate	7.30	43	42436	45.780	ug/l	97
38) Carbon Tetrachloride	8.10	117	217900	43.606	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	185067	45.364	ug/l	99
40) Benzene	8.35	78	447659	47.282	ug/l	92
41) Methacrylonitrile	7.56	41	64302	135.848	ug/l #	36
42) 1,2-Dichloroethane	8.43	62	147144	45.804	ug/l	99
43) Isopropyl Acetate	8.46	43	88911	48.030	ug/l	98
44) Trichloroethene	9.11	130	144746	46.128	ug/l	100
45) 1,2-Dichloropropane	9.39	63	94174	48.476	ug/l	98
46) Dibromomethane	9.48	93	64612	48.851	ug/l	99
47) Bromodichloromethane	9.66	83	178742	48.531	ug/l	95
48) Methyl methacrylate	9.46	41	43173	46.650	ug/l	95
49) 1,4-Dioxane	9.46	88	12886	899.007	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	216228	248.234	ug/l	100
52) Toluene	10.41	92	305536	47.570	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	153729	47.775	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	170765	46.894	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	82784	46.648	ug/l	94
56) Ethyl methacrylate	10.67	69	91421	49.758	ug/l	99
57) 1,3-Dichloropropane	10.95	76	135765	48.520	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	245381	285.830	ug/l	100
59) 2-Hexanone	10.99	43	148977	242.240	ug/l	98
60) Dibromochloromethane	11.14	129	126753	46.871	ug/l	100
61) 1,2-Dibromoethane	11.26	107	85667	48.992	ug/l	98
64) Tetrachloroethene	10.88	164	126614	43.734	ug/l	88
65) Chlorobenzene	11.67	112	342835	46.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	138524	46.711	ug/l	99
67) Ethyl Benzene	11.75	91	584716	46.199	ug/l	100
68) m/p-Xylenes	11.86	106	459971	93.391	ug/l	99
69) o-Xylene	12.18	106	215228	47.995	ug/l	99
70) Styrene	12.20	104	371728	48.666	ug/l	98
71) Bromoform	12.37	173	75744	47.050	ug/l #	99
73) Isopropylbenzene	12.48	105	592378	47.515	ug/l	100
74) N-amyl acetate	12.29	43	79507	48.359	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	78800	47.097	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	115531	87.484	ug/l #	100
77) Bromobenzene	12.77	156	150380	48.186	ug/l	100
78) n-propylbenzene	12.83	91	661234	47.673	ug/l	99
79) 2-Chlorotoluene	12.91	91	380850	46.377	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	513481	47.354	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26299	46.578	ug/l	97
82) 4-Chlorotoluene	13.01	91	407195	46.535	ug/l	100
83) tert-Butylbenzene	13.23	119	425058	45.618	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	510361	47.115	ug/l	99
85) sec-Butylbenzene	13.40	105	560179	45.762	ug/l	100
86) p-Isopropyltoluene	13.52	119	549833	46.374	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	271505	44.952	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	276729	46.252	ug/l	99
89) n-Butylbenzene	13.84	91	464444	45.712	ug/l	99
90) Hexachloroethane	14.11	117	102230	45.294	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	243763	46.850	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15461	42.861	ug/l	83

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Quant Title : SW846 8260
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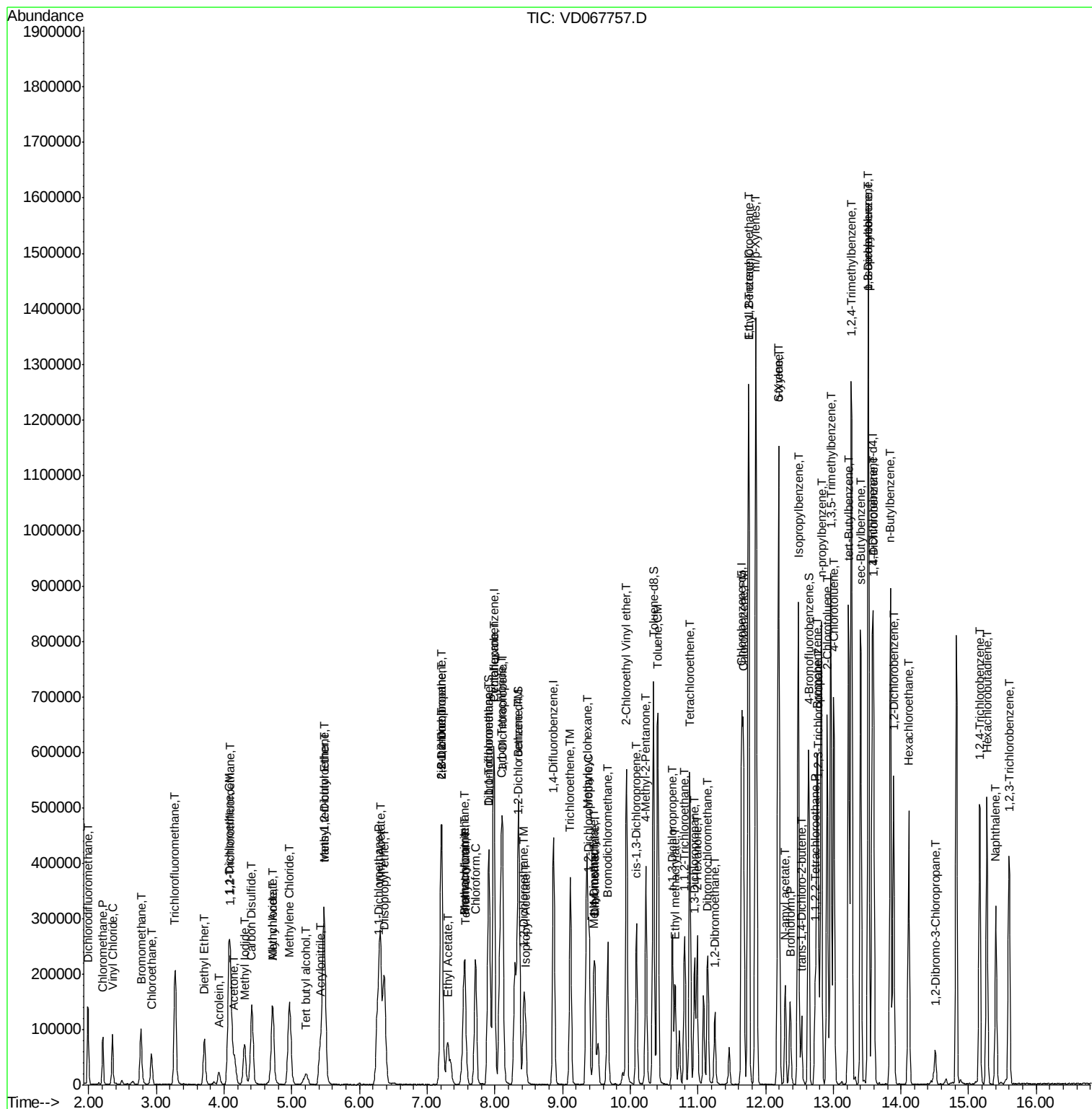
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	172297	46.769	ug/l	100
94) Hexachlorobutadiene	15.27	225	102273	43.449	ug/l	98
95) Naphthalene	15.40	128	281995	47.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	148792	47.415	ug/l	99

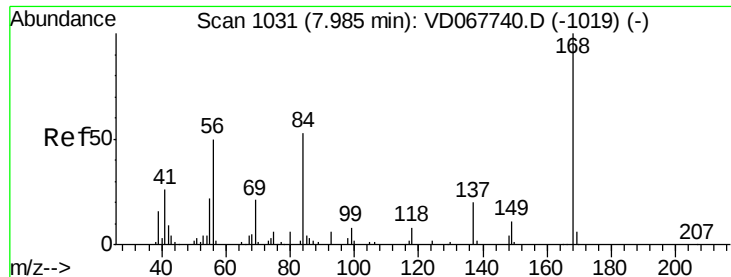
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

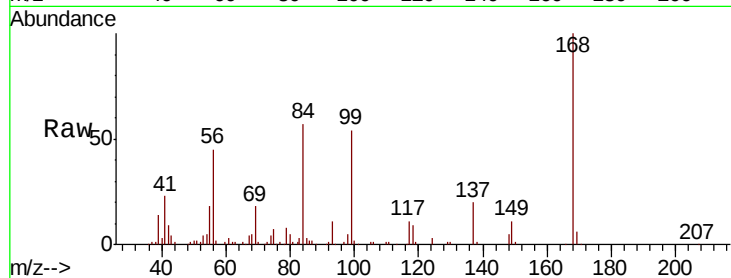
VSTDCCC050EC

Tot Ion:168 Resp: 268928

Ion Ratio Lower Upper

168 100

99 54.2 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

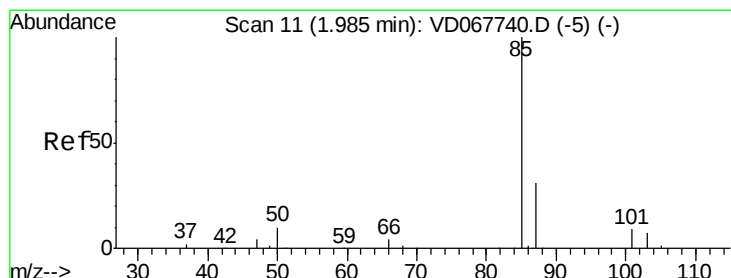
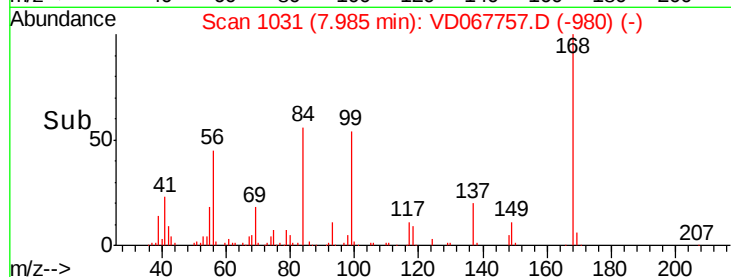
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.421 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067757.D

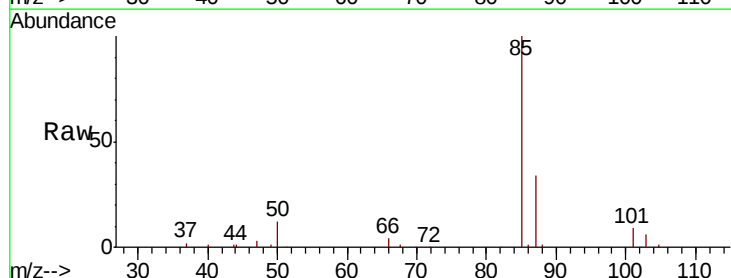
Acq: 23 Nov 2020 20:27

Tgt Ion: 85 Resp: 108639

Ion Ratio Lower Upper

85 100

87 33.6 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

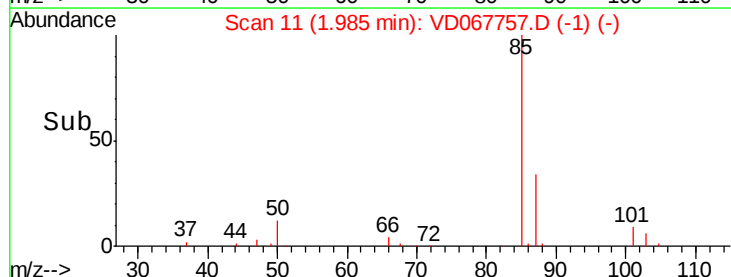
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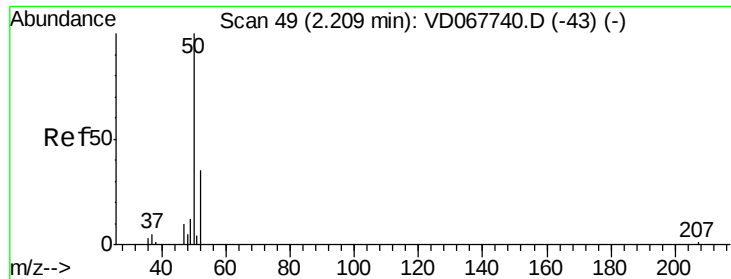
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 53.369 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

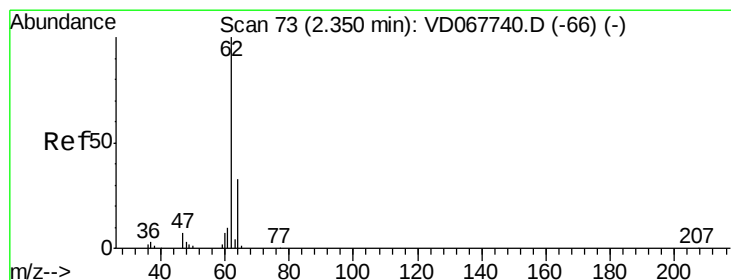
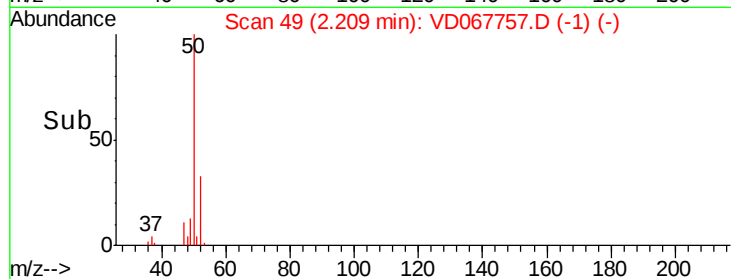
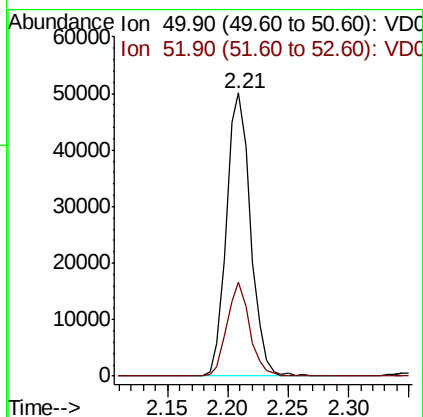
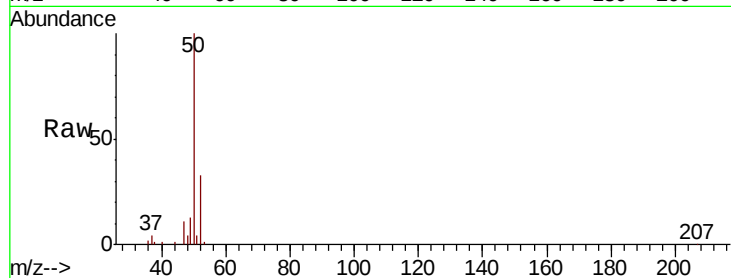
VSTDCCC050EC

Tot Ion: 50 Resp: 69534

Ion Ratio Lower Upper

50 100

52 33.0 27.8 41.8



#4

Vinyl Chloride

Concen: 47.848 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067757.D

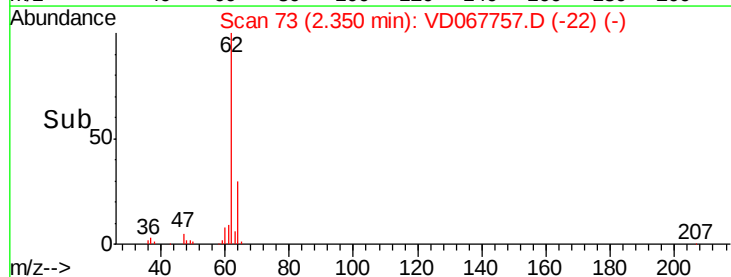
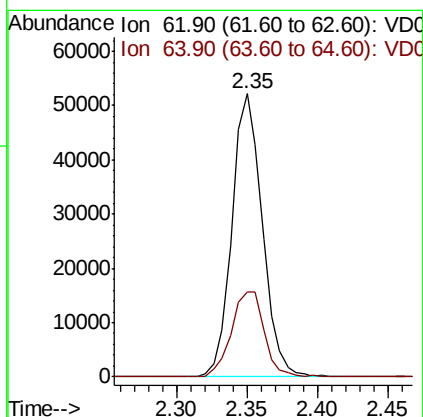
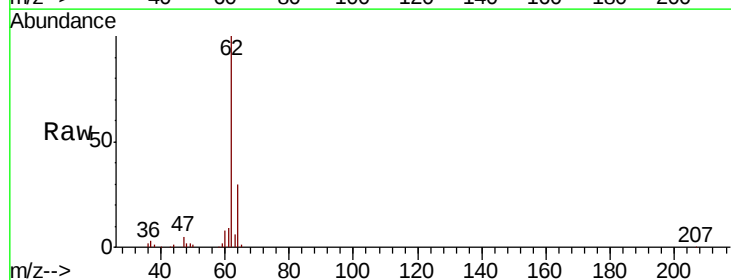
Acq: 23 Nov 2020 20:27

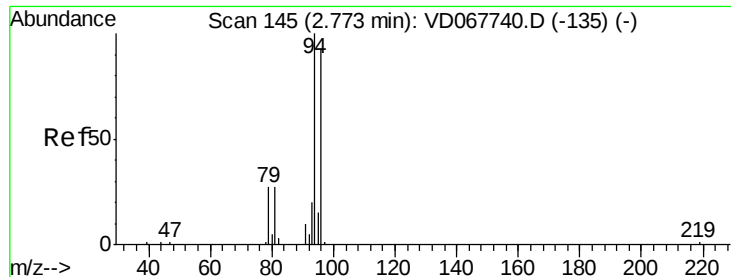
Tgt Ion: 62 Resp: 78117

Ion Ratio Lower Upper

62 100

64 30.2 26.6 40.0





#5

Bromomethane

Concen: 50.397 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

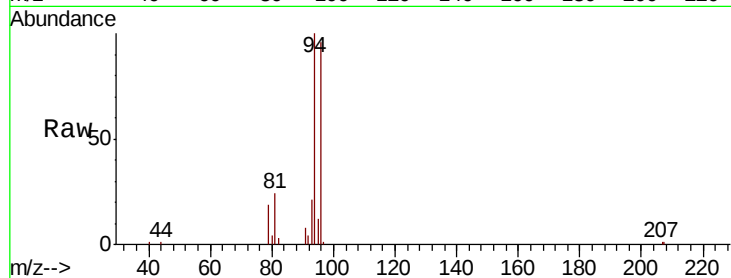
VSTDCCC050EC

Tot Ion: 94 Resp: 70101

Ion Ratio Lower Upper

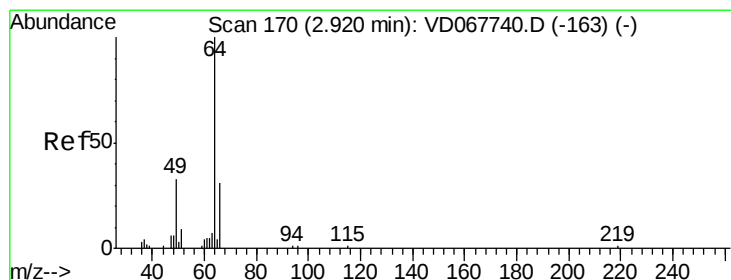
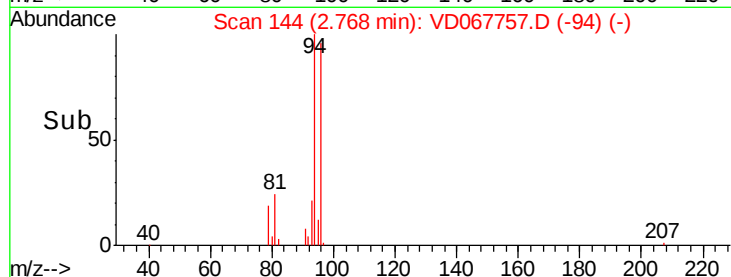
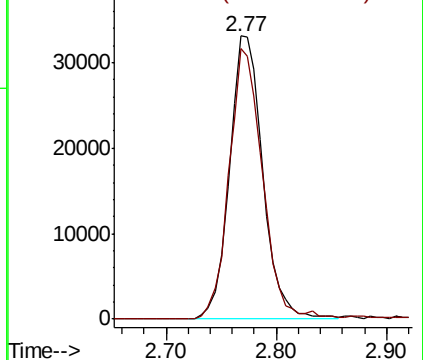
94 100

96 95.6 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.161 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067757.D

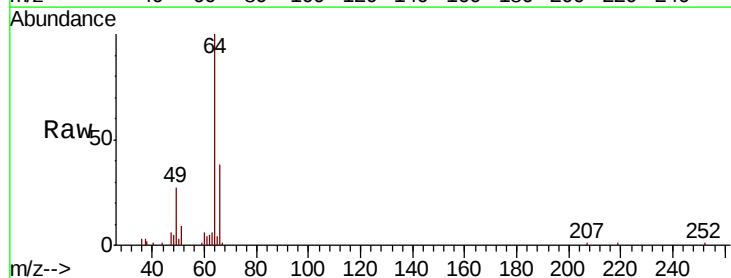
Acq: 23 Nov 2020 20:27

Tgt Ion: 64 Resp: 50228

Ion Ratio Lower Upper

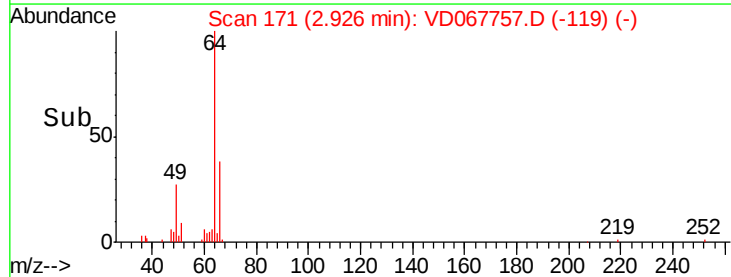
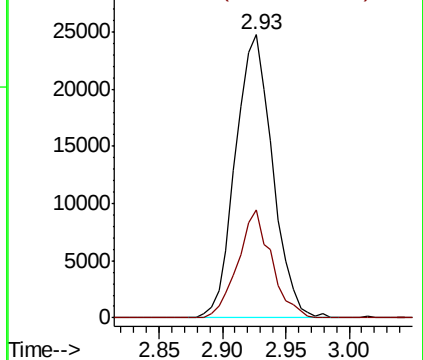
64 100

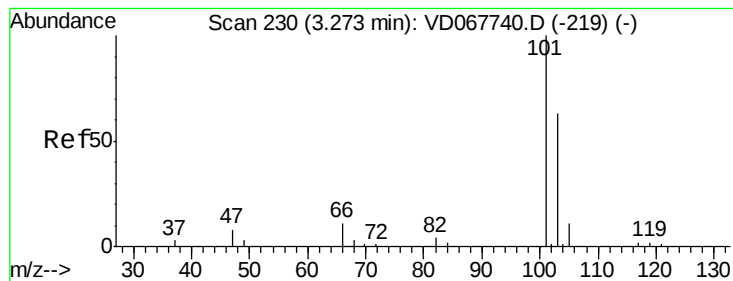
66 38.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



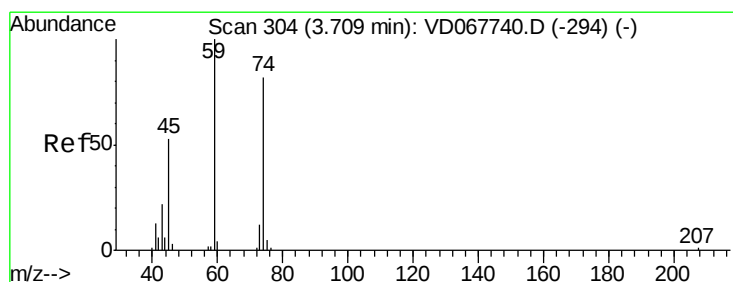
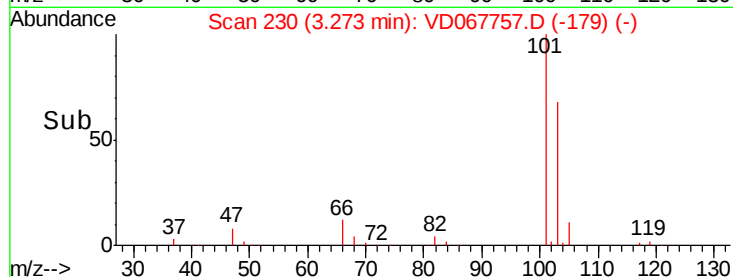
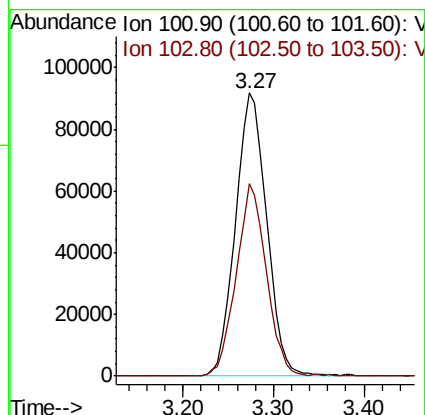
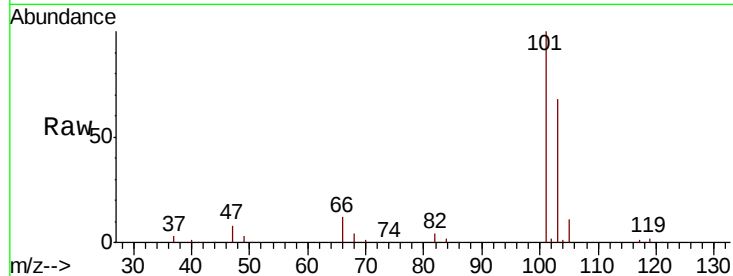


#7

Trichlorofluoromethane
 Concen: 44.237 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Instrument :
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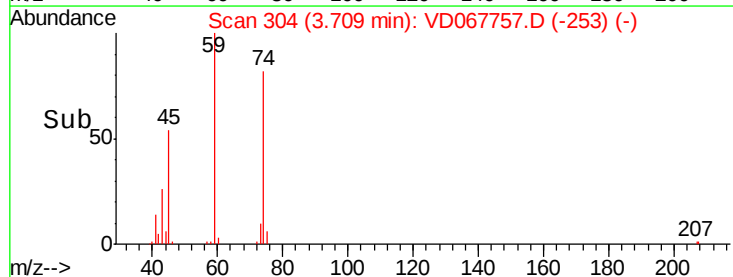
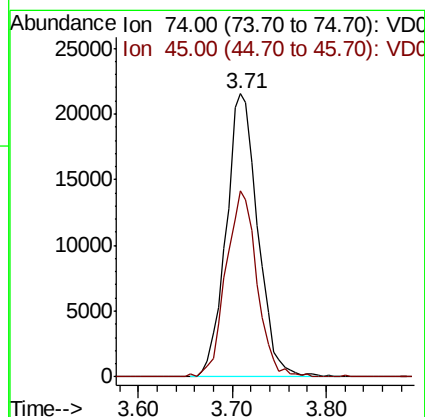
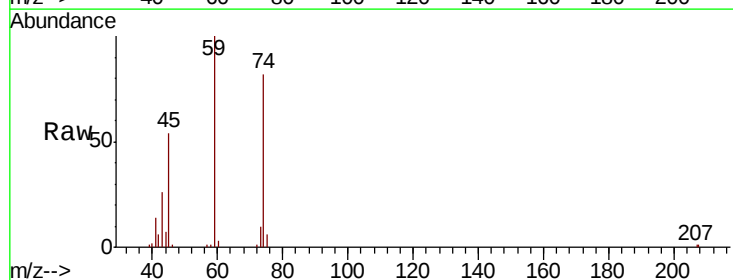
Tot Ion:101 Resp: 220391
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.3 75.5

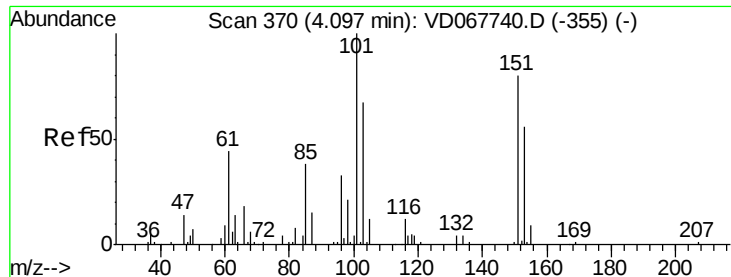


#8

Diethyl Ether
 Concen: 49.970 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 74 Resp: 50263
 Ion Ratio Lower Upper
 74 100
 45 64.7 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.340 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

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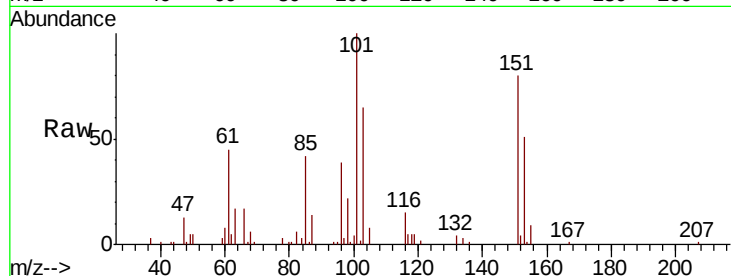
Tot Ion:101 Resp: 108167

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

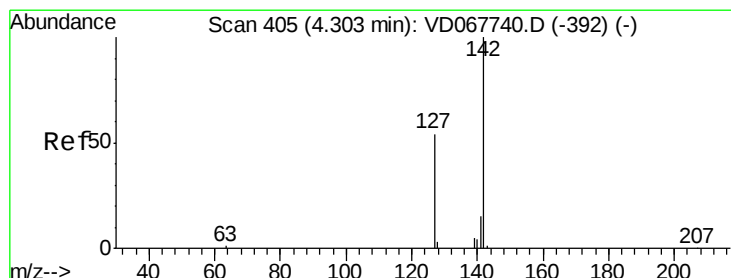
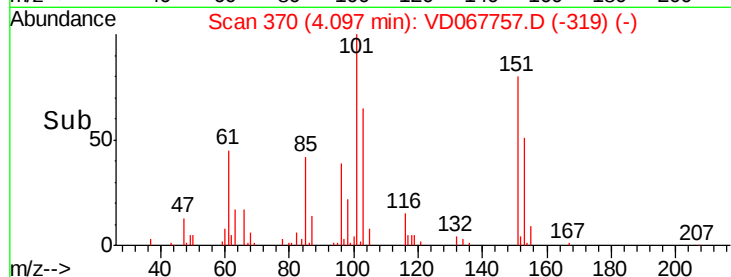
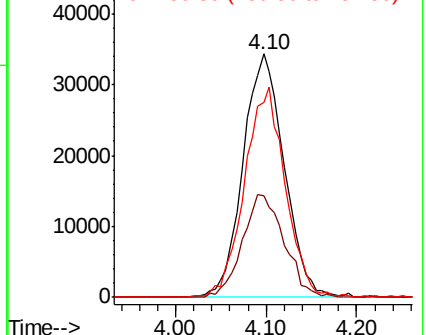
151 85.4 69.4 104.0



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: 48.800 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

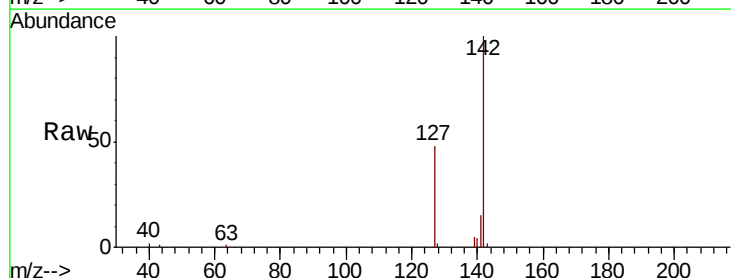
Tgt Ion:142 Resp: 119164

Ion Ratio Lower Upper

142 100

127 49.9 42.2 63.2

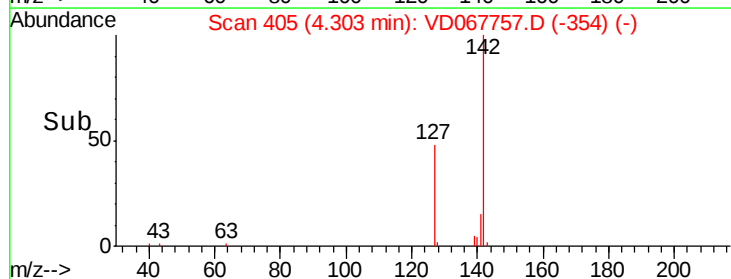
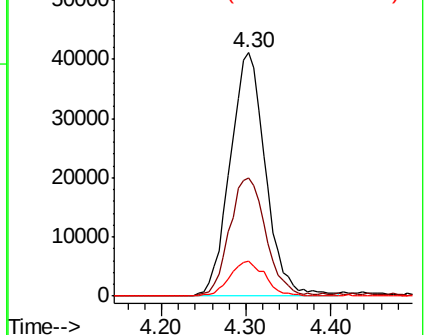
141 14.4 11.8 17.6

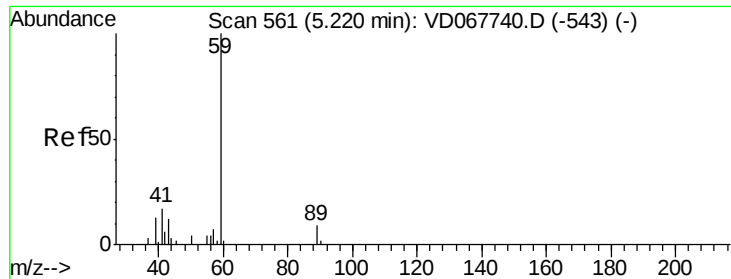


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

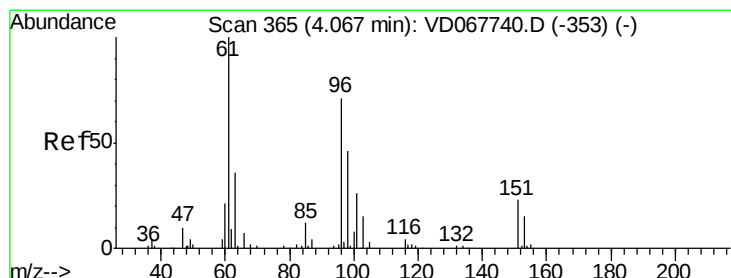
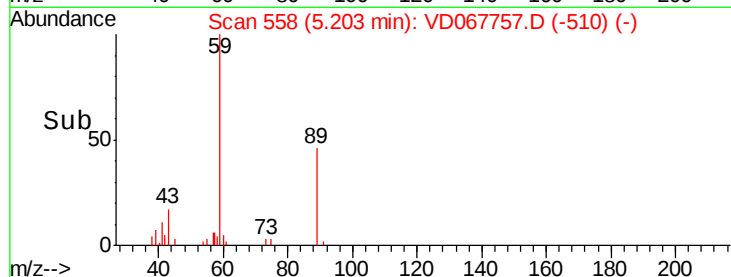
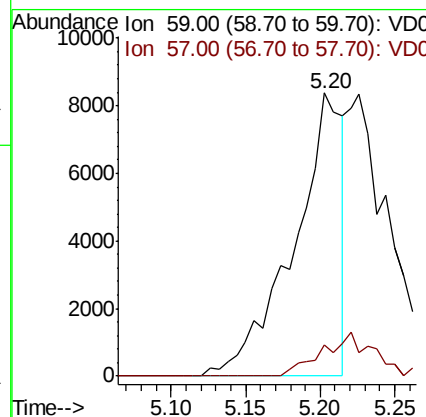
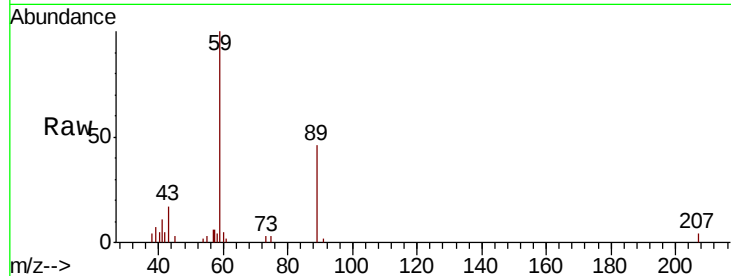




#11
Tert butyl alcohol
Concen: 115.957 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

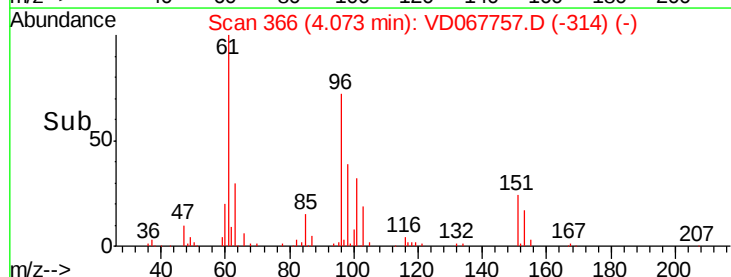
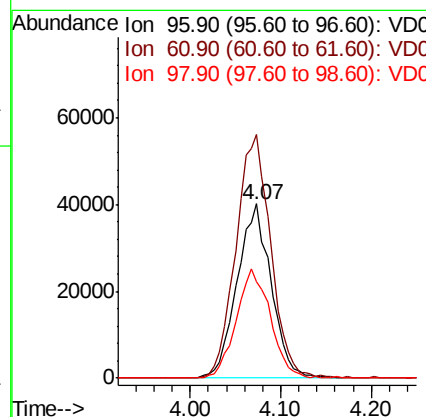
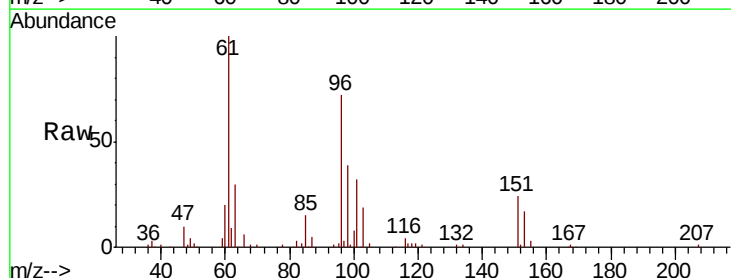
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

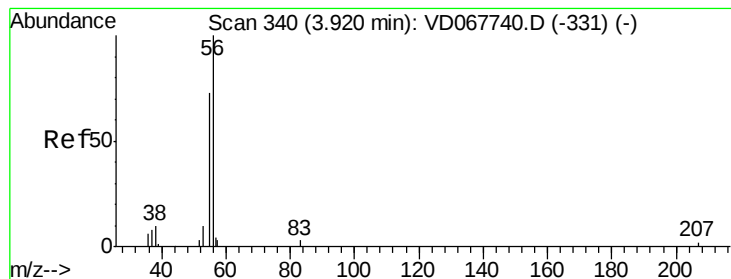
Tot Ion: 59 Resp: 19016
Ion Ratio Lower Upper
59 100
57 16.4 3.4 5.0#



#12
1,1-Dichloroethene
Concen: 47.346 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 96 Resp: 104516
Ion Ratio Lower Upper
96 100
61 139.6 112.9 169.3
98 55.1 52.4 78.6





#13

Acrolein

Concen: 248.721 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

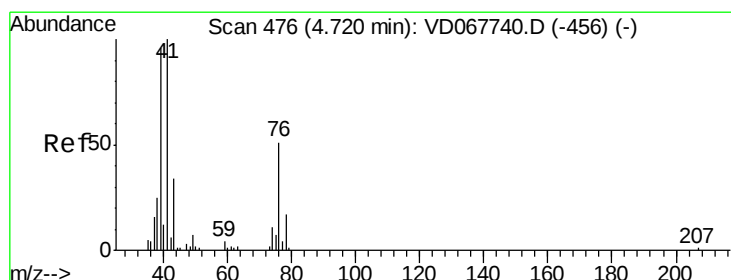
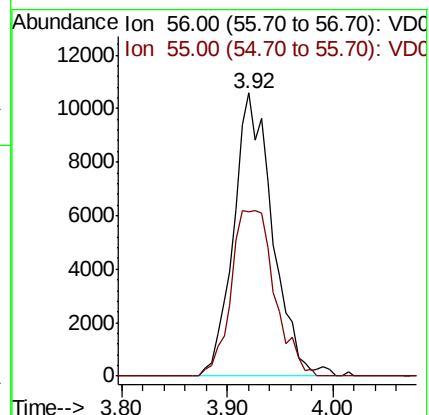
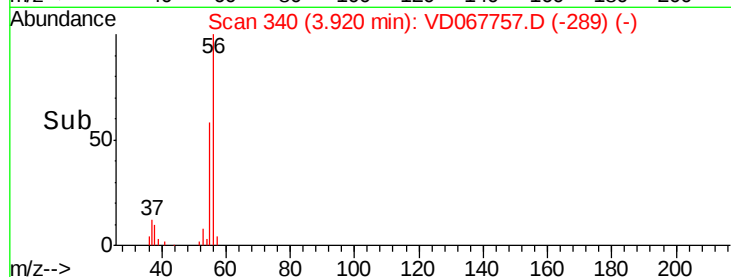
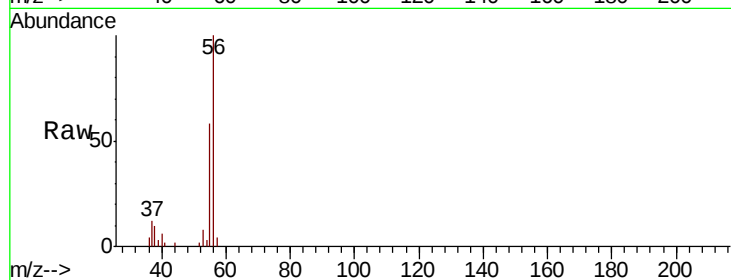
VSTDCCC050EC

Tot Ion: 56 Resp: 26957

Ion Ratio Lower Upper

56 100

55 65.0 61.2 91.8



#14

Allyl chloride

Concen: 50.591 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

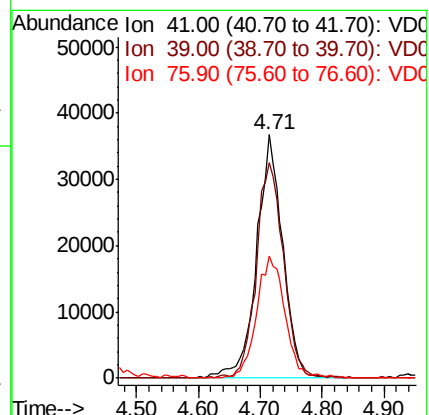
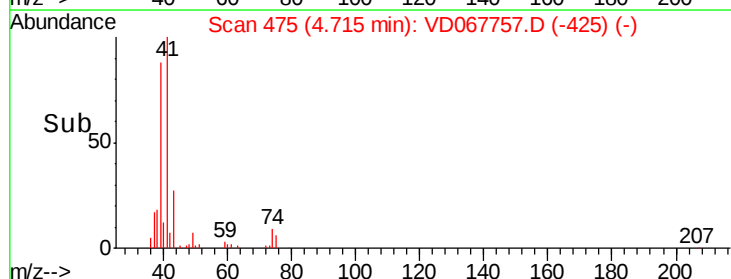
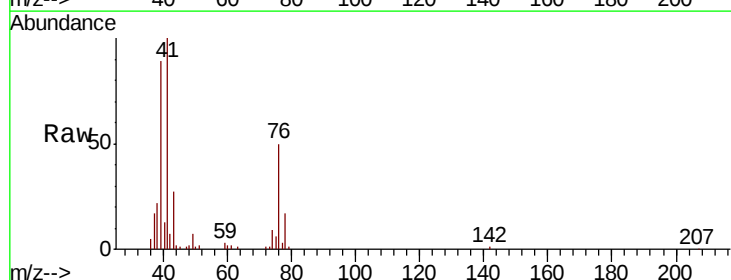
Tgt Ion: 41 Resp: 107957

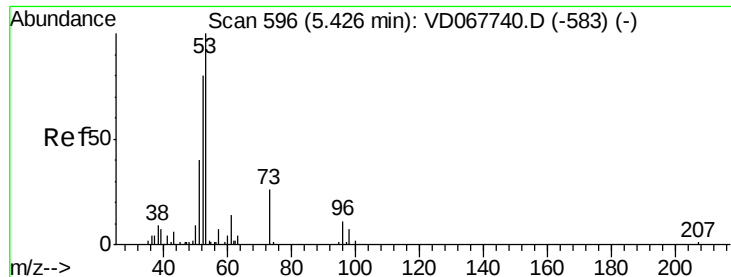
Ion Ratio Lower Upper

41 100

39 91.8 74.6 111.8

76 53.7 43.3 64.9





#15

Acrylonitrile

Concen: 260.259 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

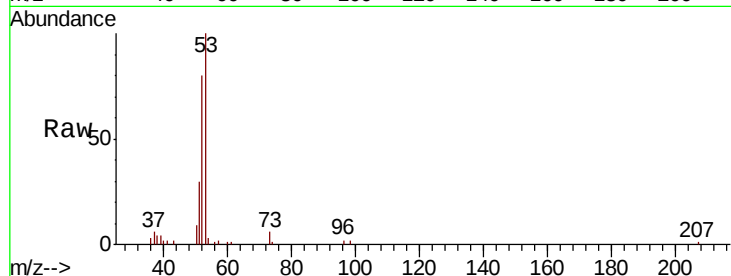
Tot Ion: 53 Resp: 91178

Ion Ratio Lower Upper

53 100

52 81.4 63.4 95.2

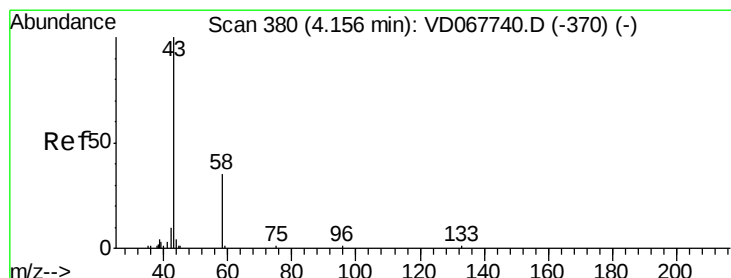
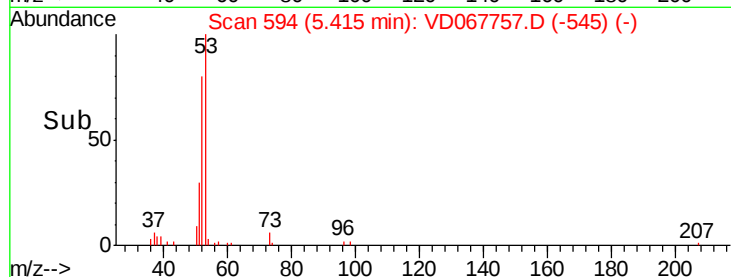
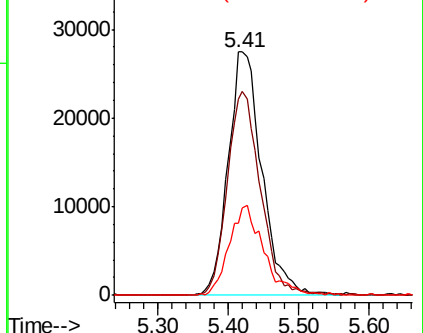
51 37.3 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 230.138 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067757.D

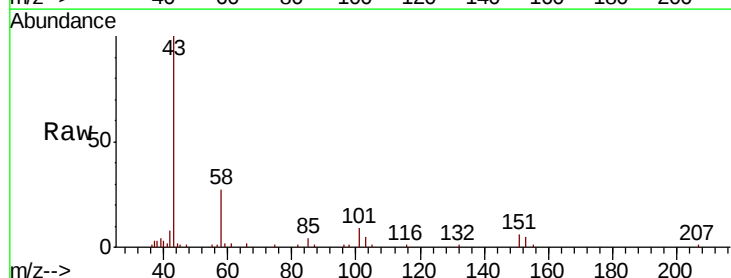
Acq: 23 Nov 2020 20:27

Tgt Ion: 43 Resp: 77741

Ion Ratio Lower Upper

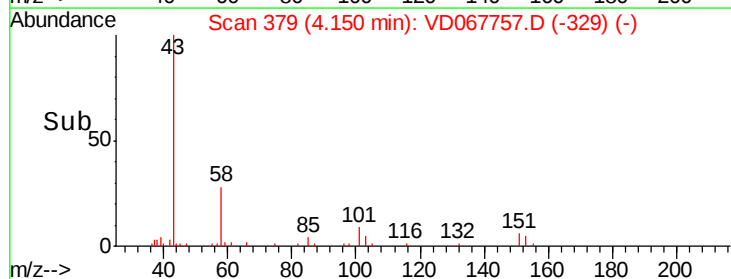
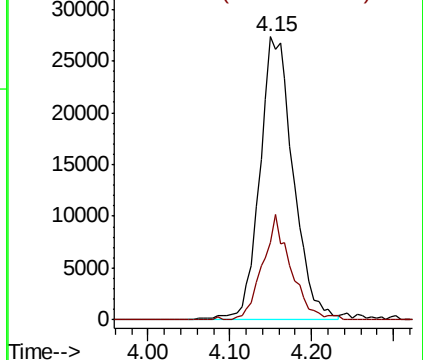
43 100

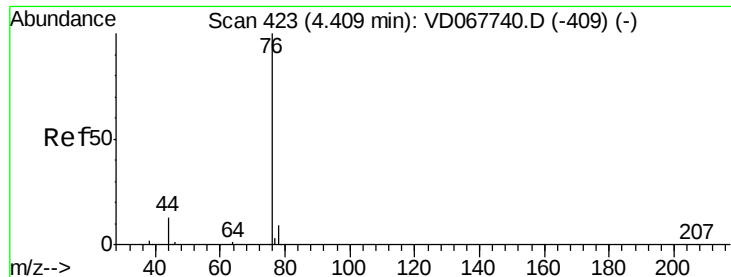
58 27.2 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

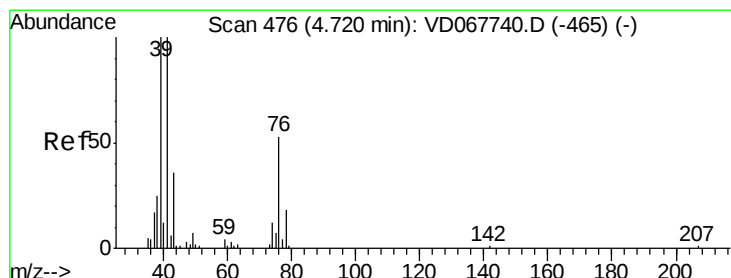
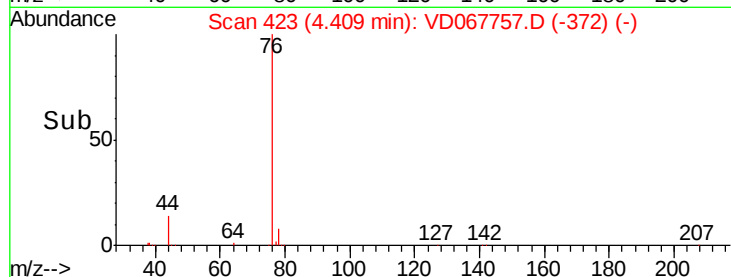
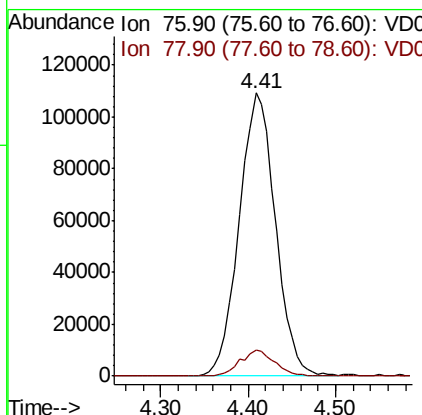
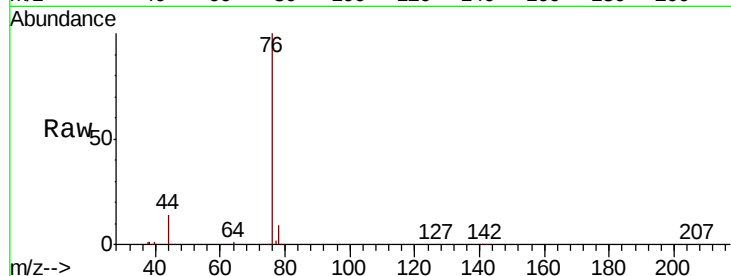




#17
Carbon Disulfide
Concen: 48.103 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

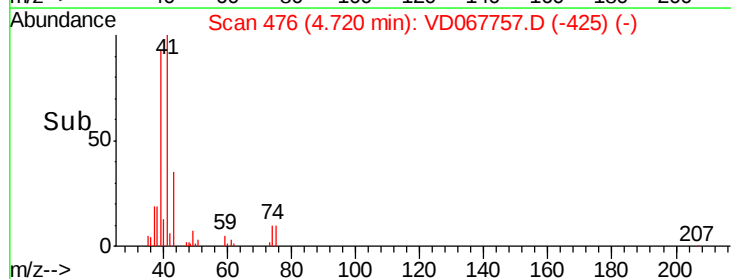
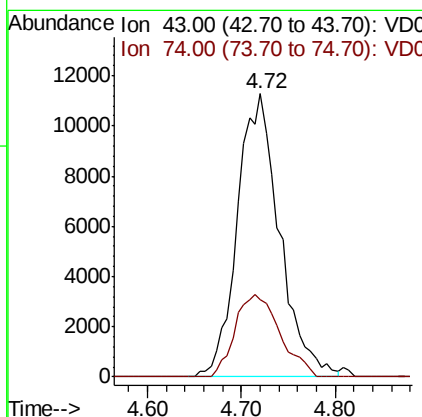
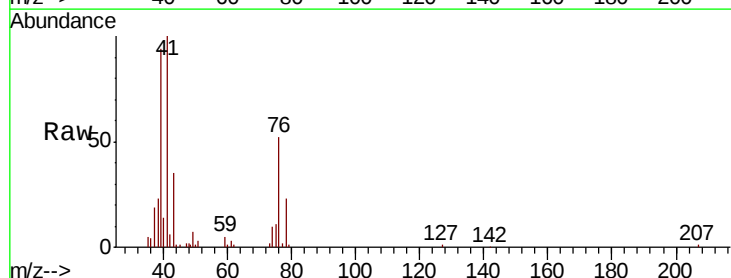
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

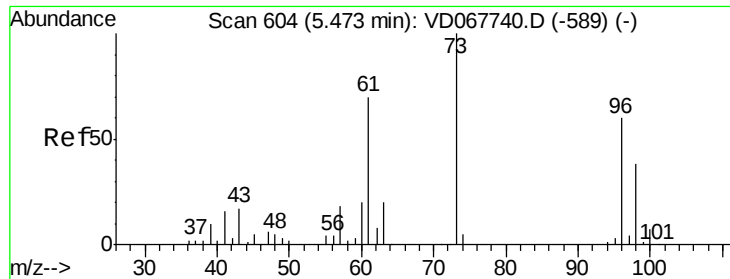
Tot Ion: 76 Resp: 307126
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 51.504 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 43 Resp: 35002
Ion Ratio Lower Upper
43 100
74 30.9 29.7 44.5

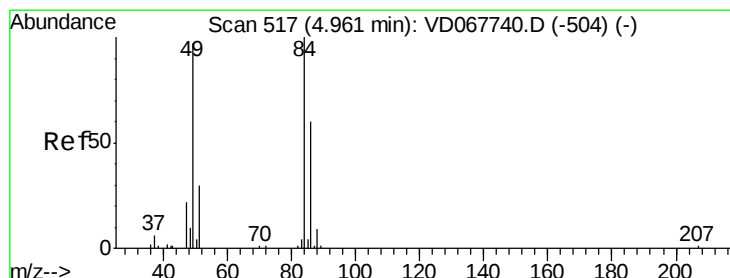
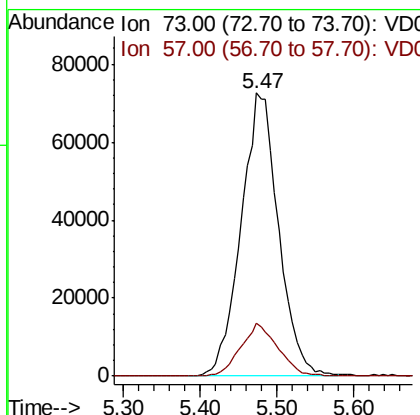
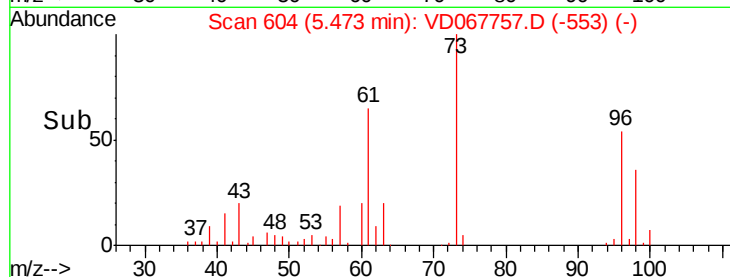
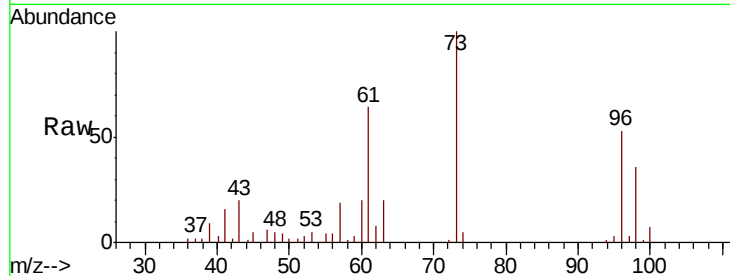




#19
Methyl tert-butyl Ether
Concen: 52.330 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

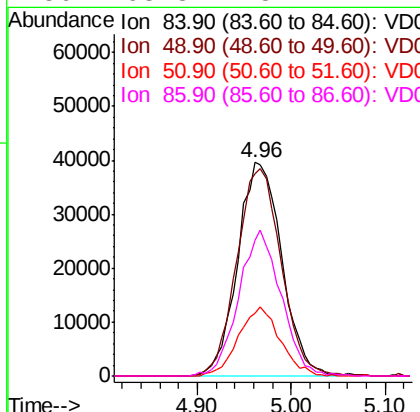
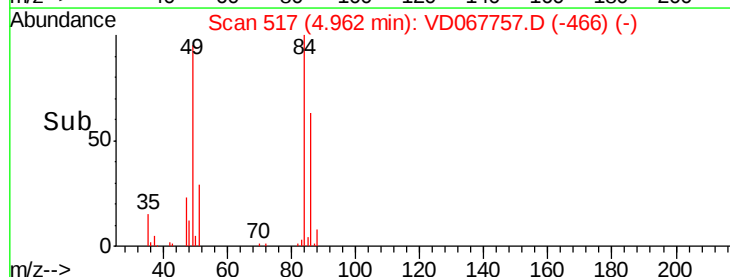
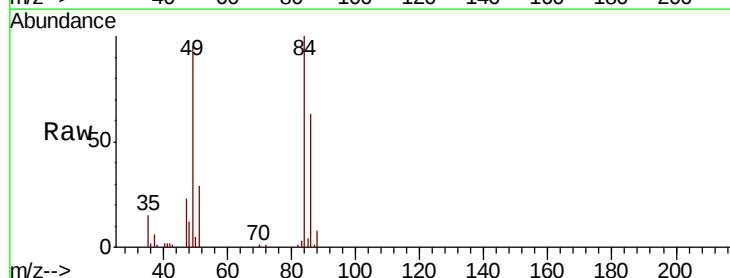
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

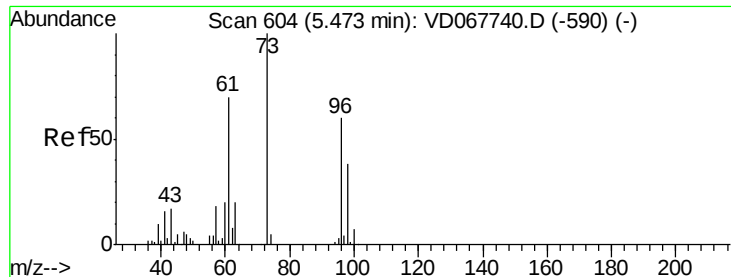
Tot Ion: 73 Resp: 246885
Ion Ratio Lower Upper
73 100
57 18.8 14.8 22.2



#20
Methylene Chloride
Concen: 50.227 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 84 Resp: 128328
Ion Ratio Lower Upper
84 100
49 94.8 77.4 116.2
51 29.4 24.1 36.1
86 63.3 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 48.049 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

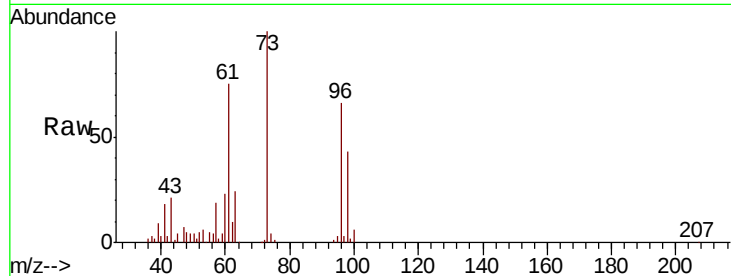
Tot Ion: 96 Resp: 120590

Ion Ratio Lower Upper

96 100

61 114.0 94.0 141.0

98 65.5 51.3 76.9

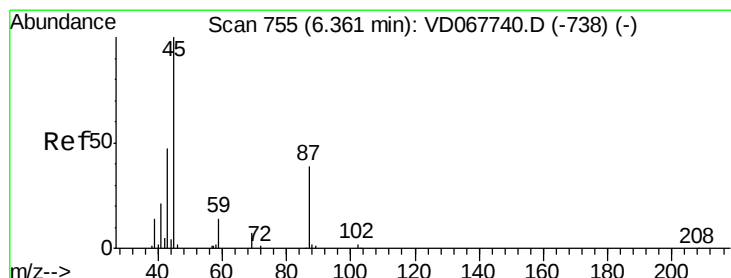
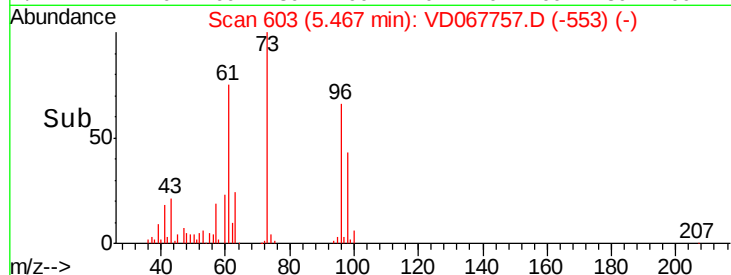
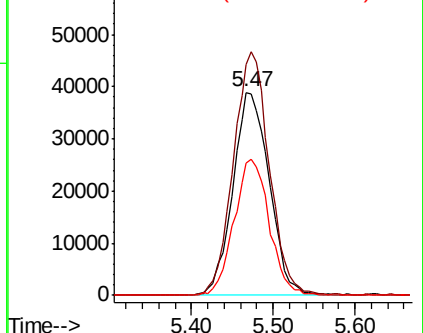


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.353 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Tgt Ion: 45 Resp: 220522

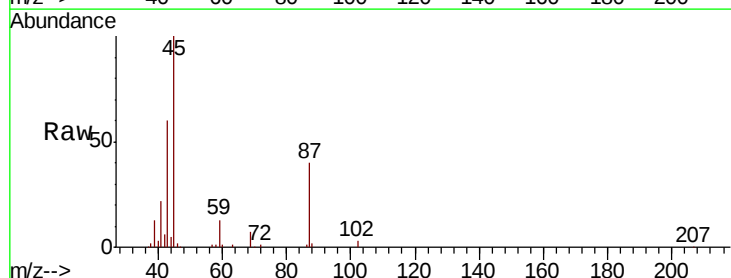
Ion Ratio Lower Upper

45 100

43 59.4 46.8 70.2

87 40.1 32.9 49.3

59 12.9 11.2 16.8



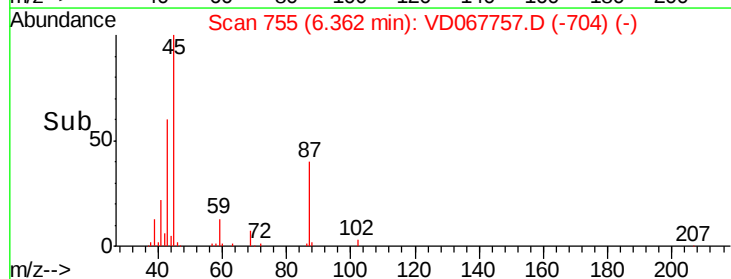
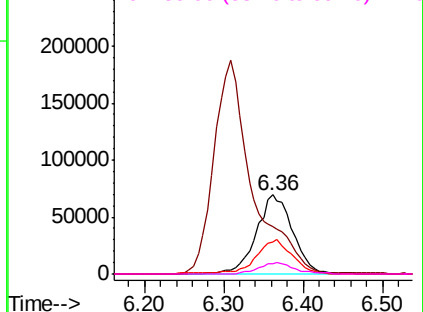
Abundance

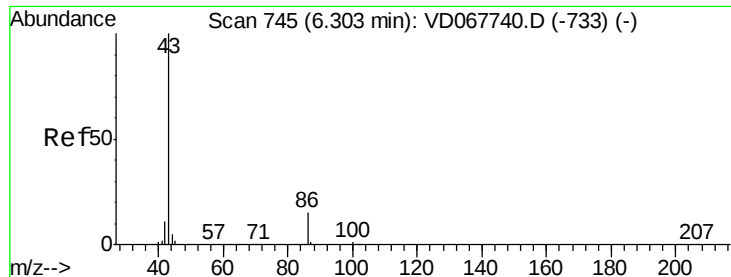
Ion 45.00 (44.70 to 45.70): VDC

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: 266.332 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

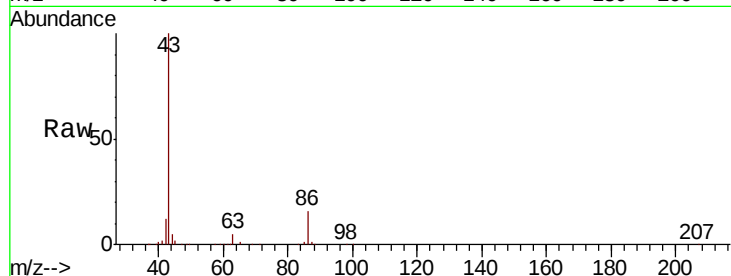
VSTDCCC050EC

Tot Ion: 43 Resp: 632825

Ion Ratio Lower Upper

43 100

86 15.8 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

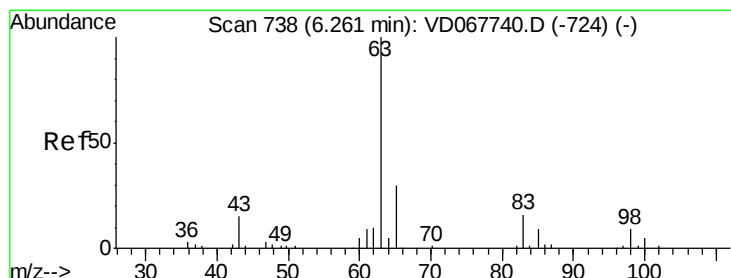
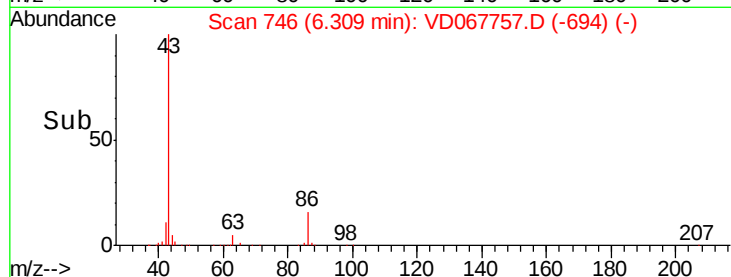
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.476 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

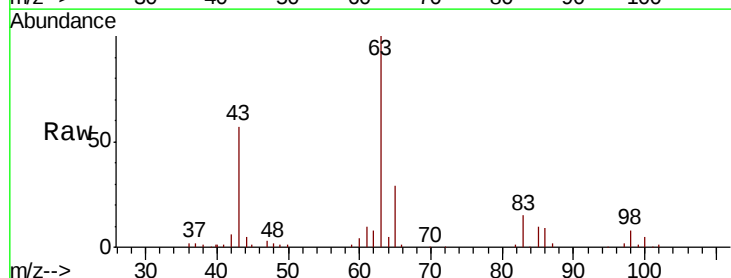
Tgt Ion: 63 Resp: 183831

Ion Ratio Lower Upper

63 100

98 7.7 4.4 13.2

100 4.9 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

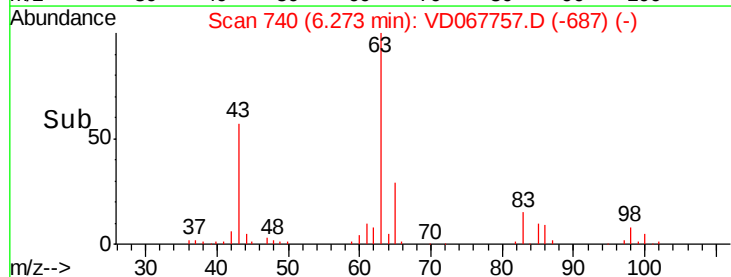
60000

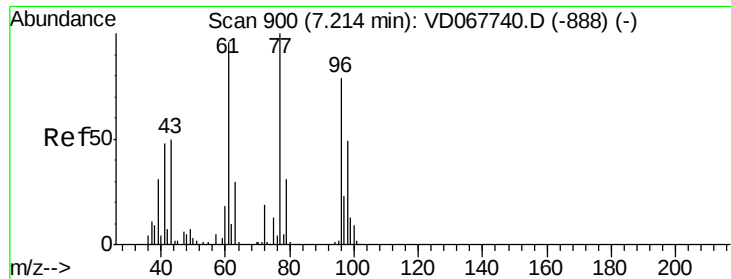
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.632 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

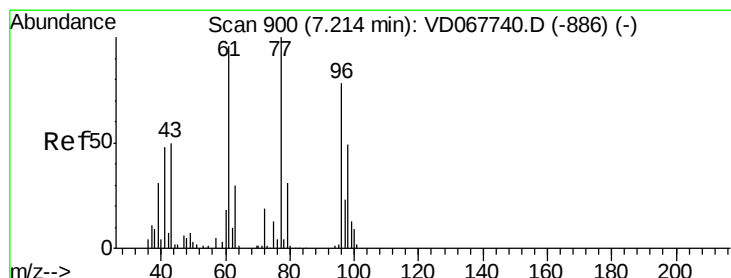
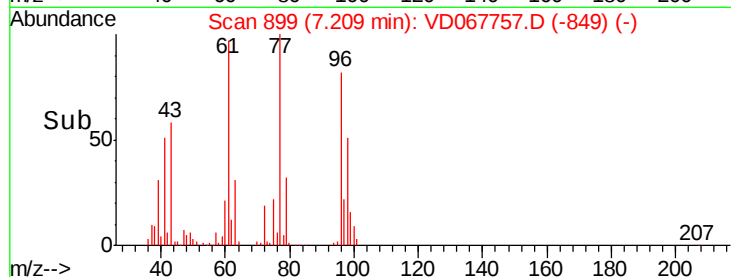
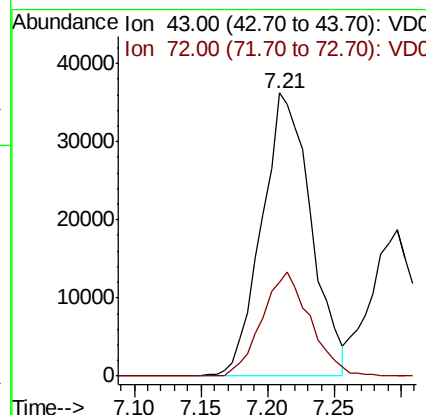
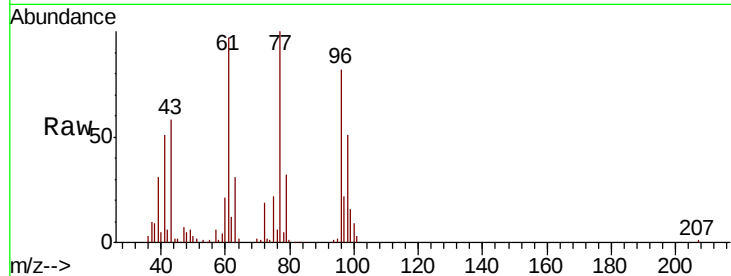
VSTDCCC050EC

Tot Ion: 43 Resp: 92731

Ion Ratio Lower Upper

43 100

72 33.2 30.8 46.2



#26

2,2-Dichloropropane

Concen: 44.575 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067757.D

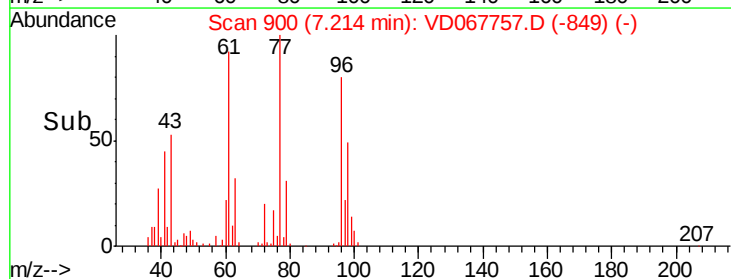
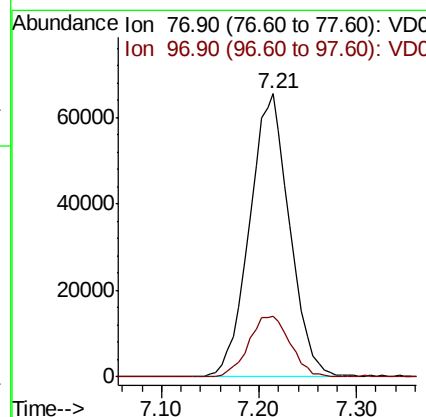
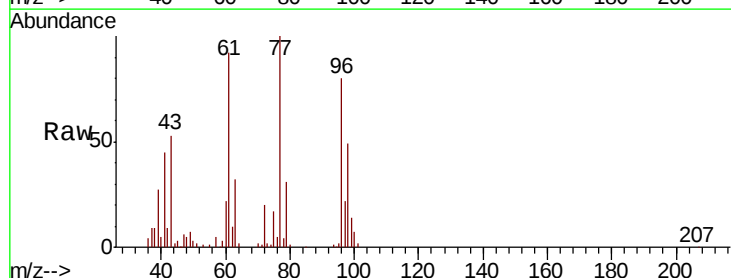
Acq: 23 Nov 2020 20:27

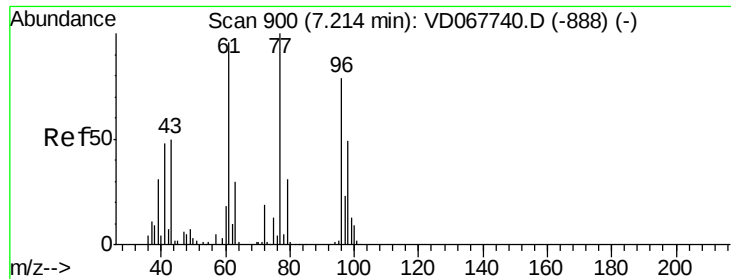
Tgt Ion: 77 Resp: 187796

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3



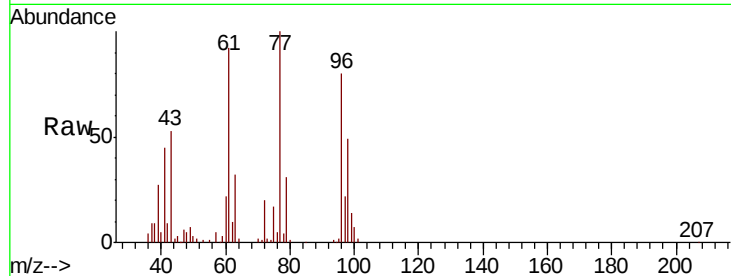


#27

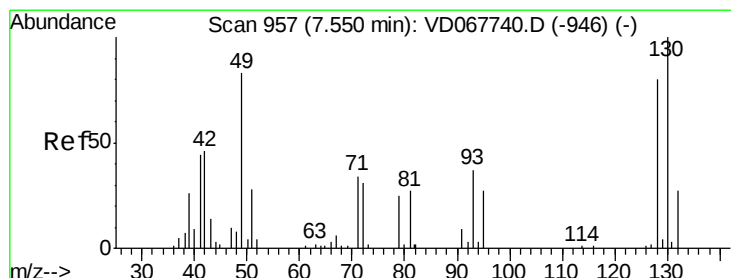
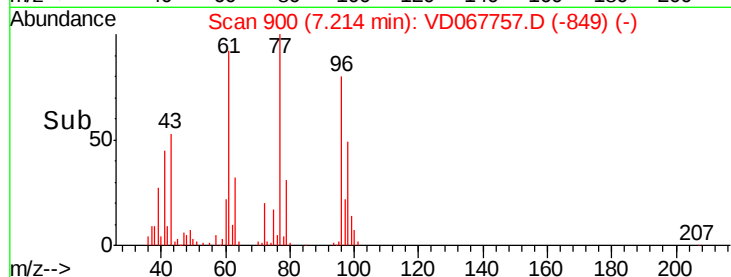
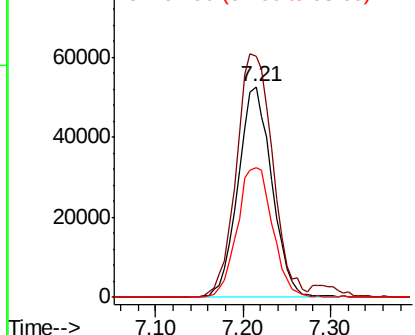
cis-1,2-Dichloroethene
 Concen: 51.407 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 137520
 Ion Ratio Lower Upper
 96 100
 61 124.4 0.0 258.0
 98 64.3 0.0 131.8



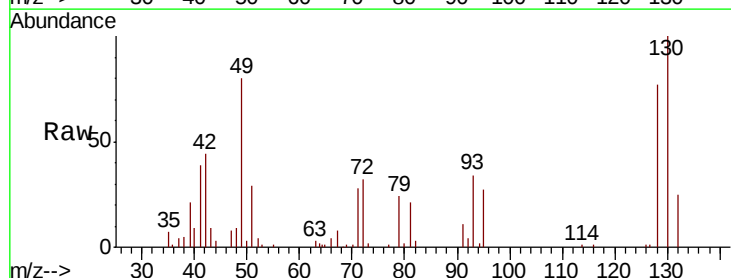
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



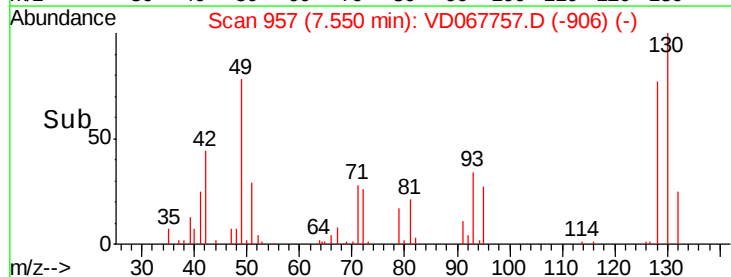
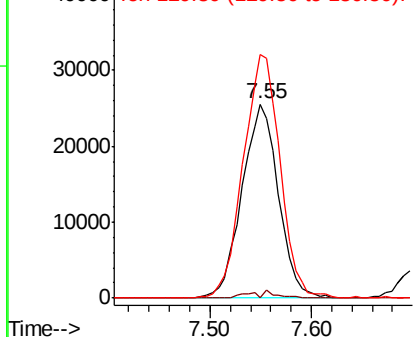
#28

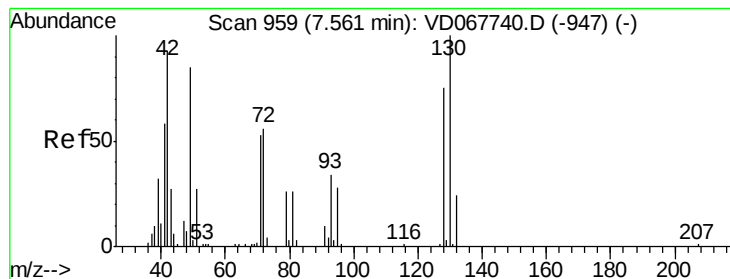
Bromochloromethane
 Concen: 55.721 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 49 Resp: 63742
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 7.0
 130 127.6 102.2 153.4



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: 260.676 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

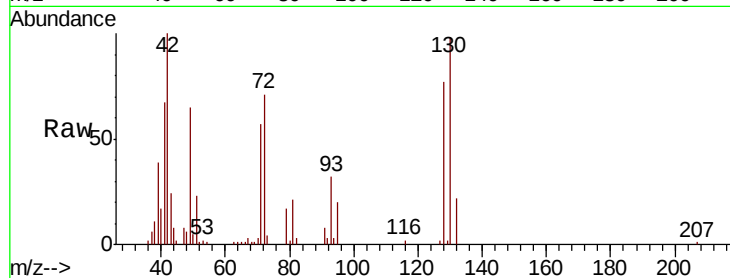
Tot Ion: 42 Resp: 56181

Ion Ratio Lower Upper

42 100

72 65.6 49.3 73.9

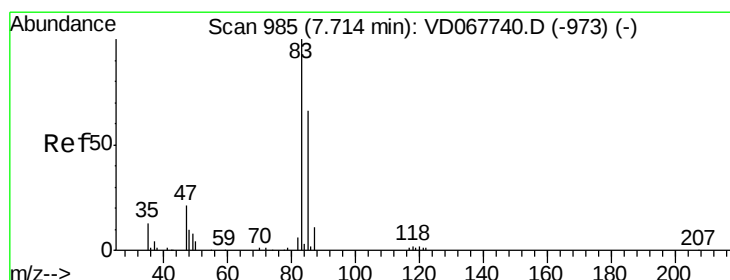
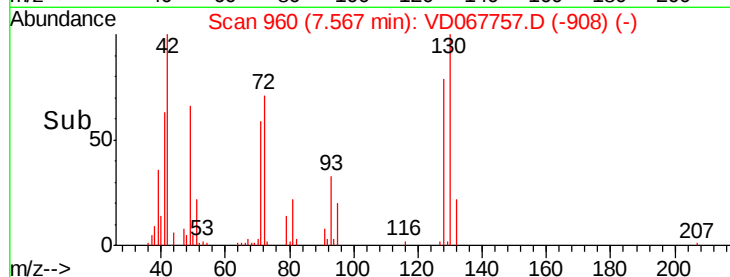
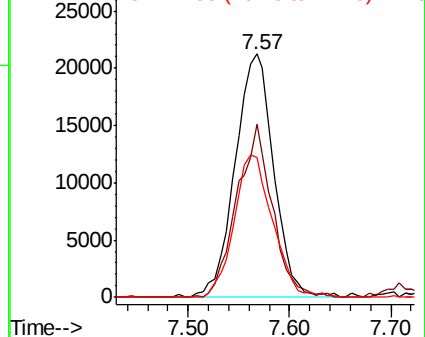
71 58.7 45.9 68.9



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: 48.553 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067757.D

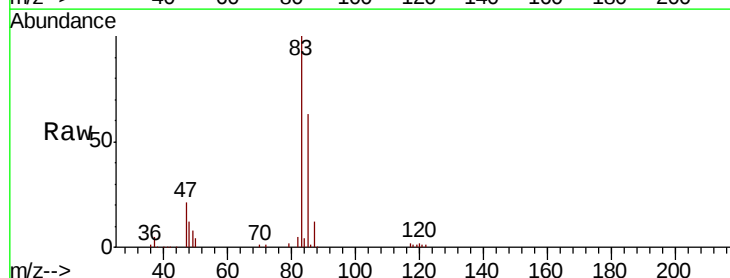
Acq: 23 Nov 2020 20:27

Tgt Ion: 83 Resp: 226740

Ion Ratio Lower Upper

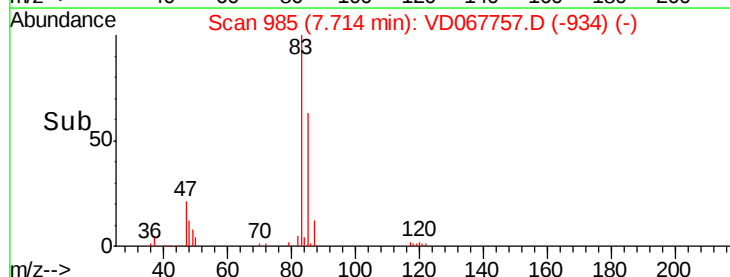
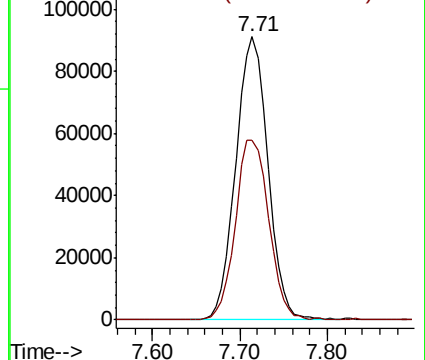
83 100

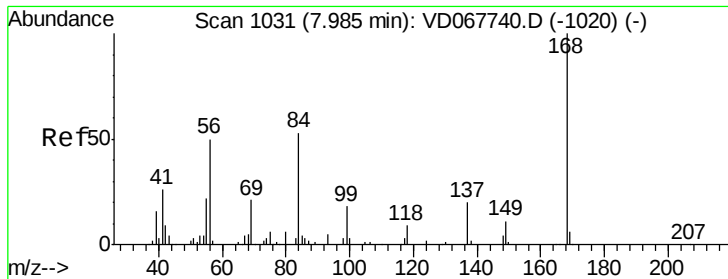
85 63.4 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

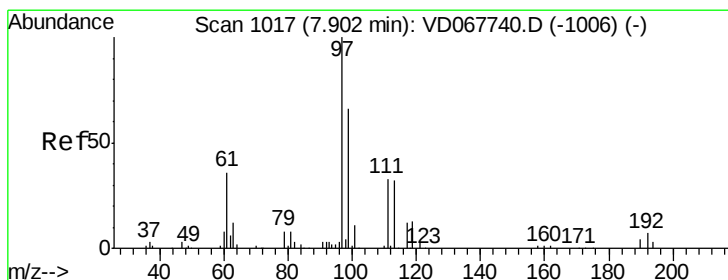
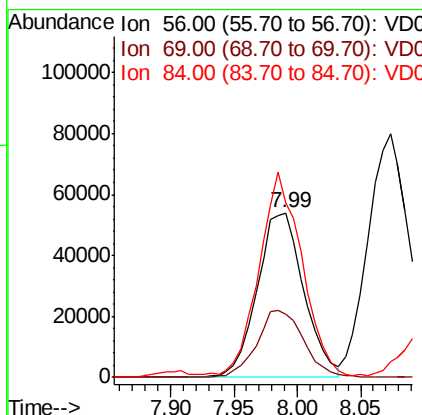
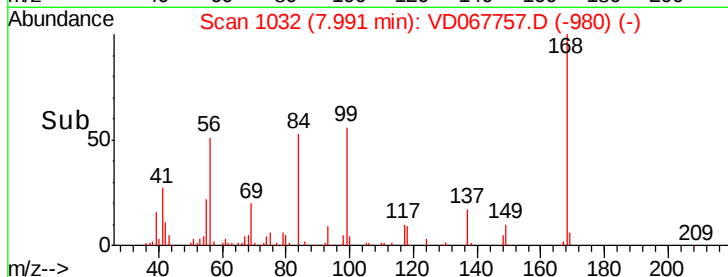
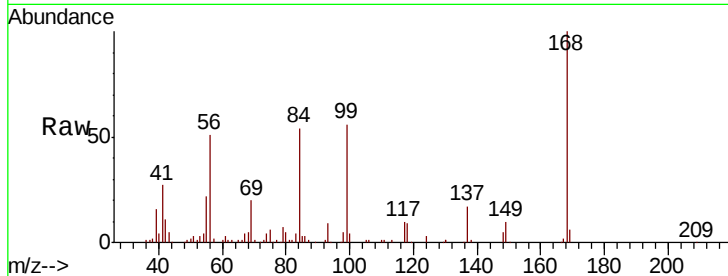




#31
Cyclohexane
Concen: 43.625 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

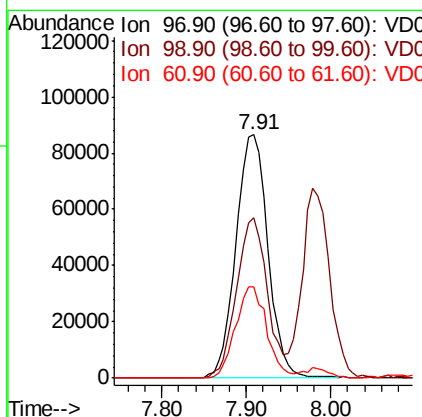
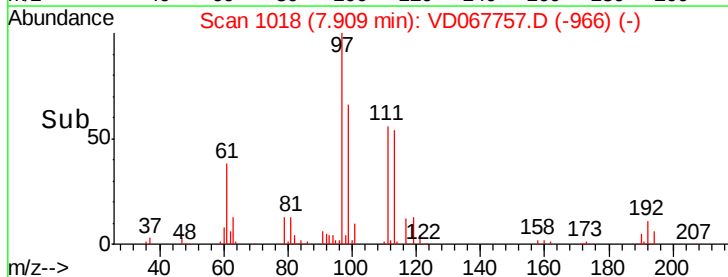
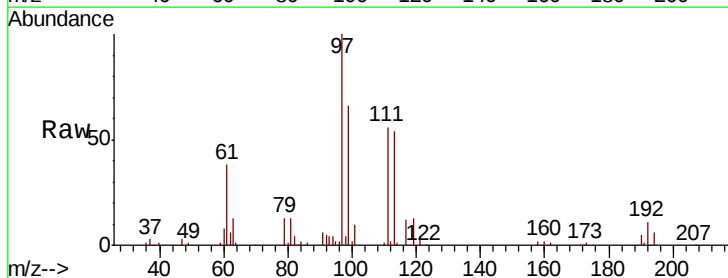
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

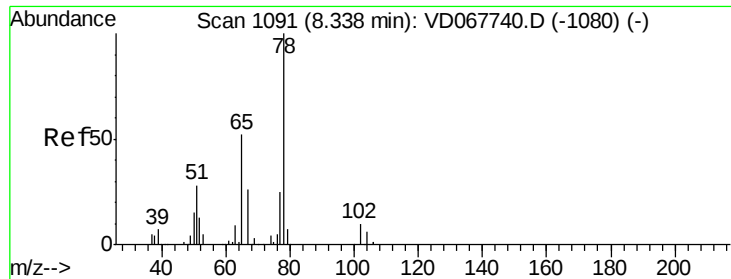
Tot Ion: 56 Resp: 138024
Ion Ratio Lower Upper
56 100
69 38.5 33.2 49.8
84 104.1 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 45.917 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 97 Resp: 227094
Ion Ratio Lower Upper
97 100
99 63.1 51.1 76.7
61 36.4 29.4 44.2

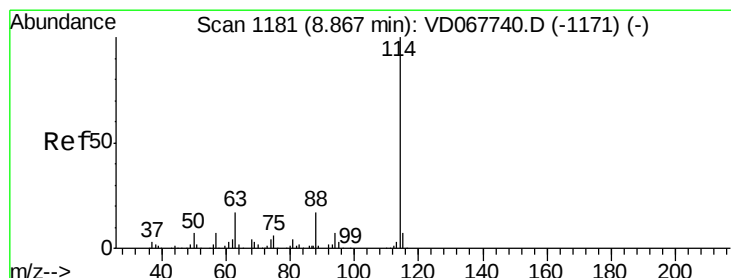
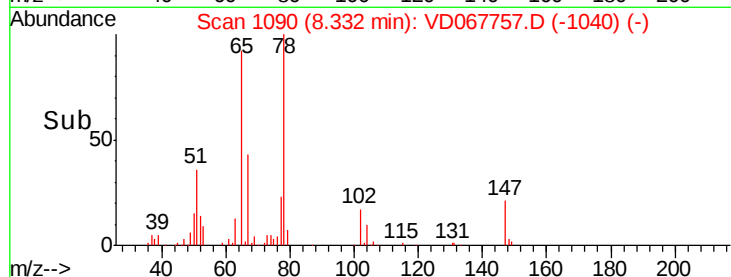
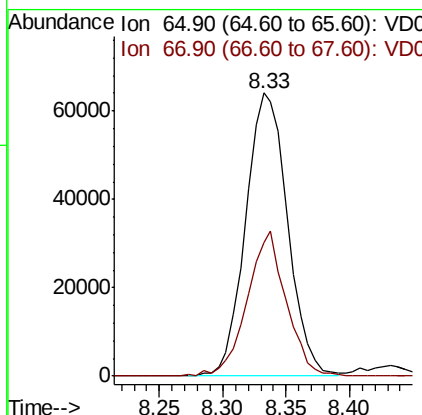
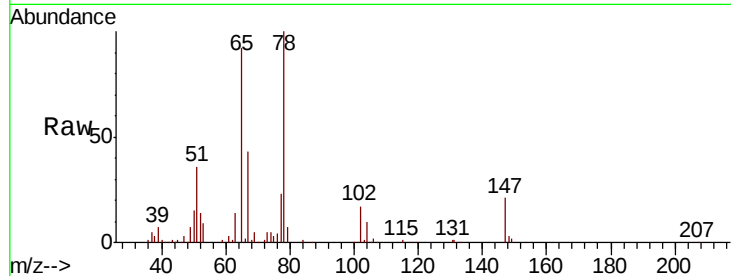




#33
 1,2-Dichloroethane-d4
 Concen: 56.340 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

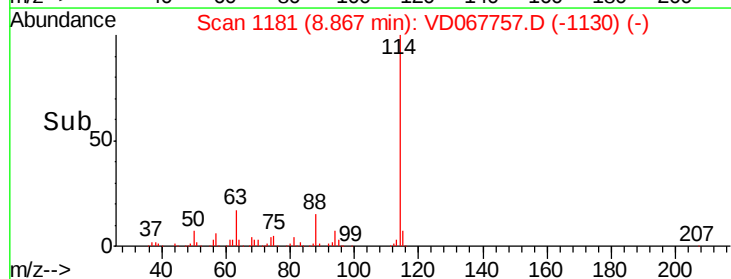
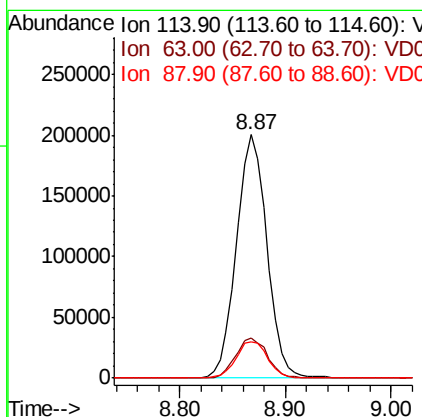
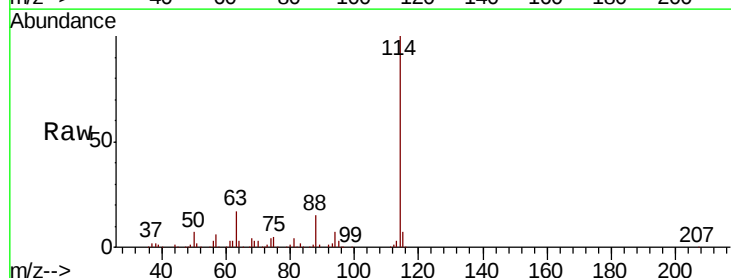
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

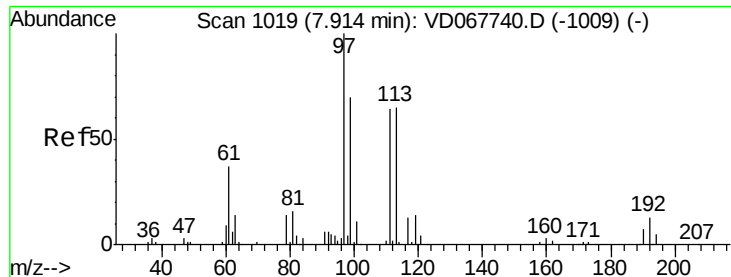
Tot Ion: 65 Resp: 147319
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 114 Resp: 401731
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.8
 88 14.9 0.0 34.4

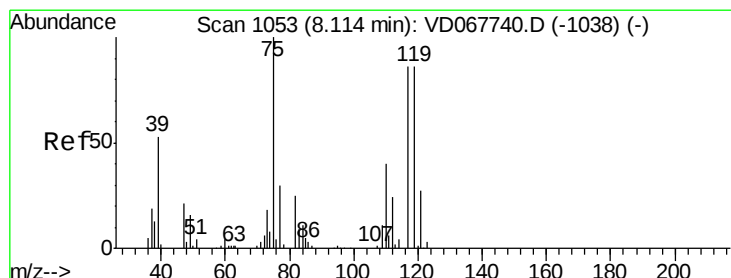
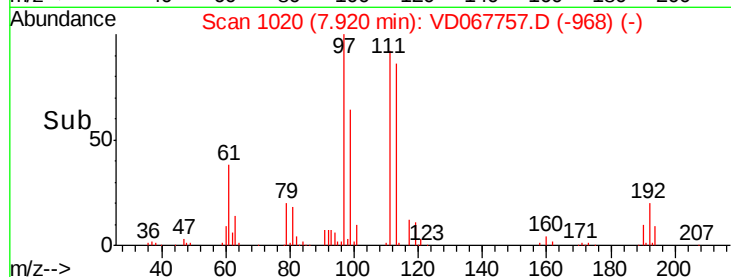
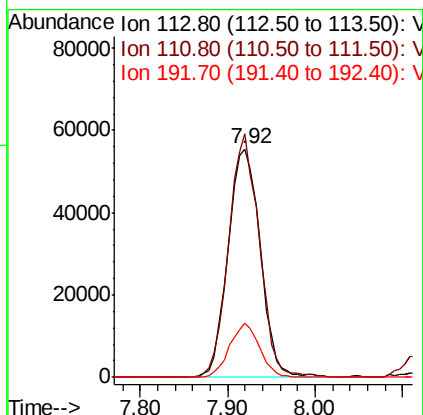
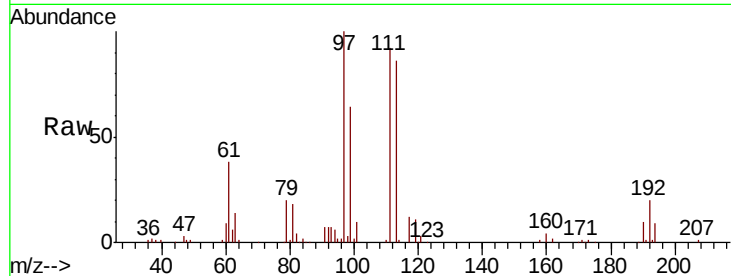




#35
Dibromofluoromethane
Concen: 54.360 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

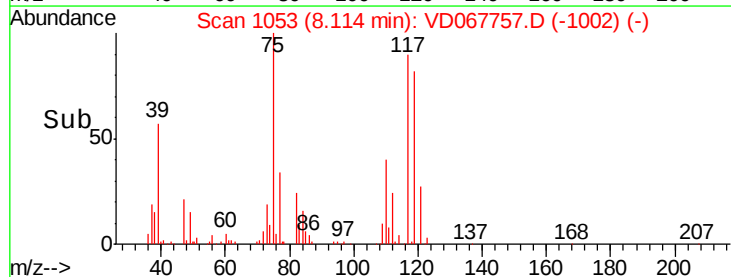
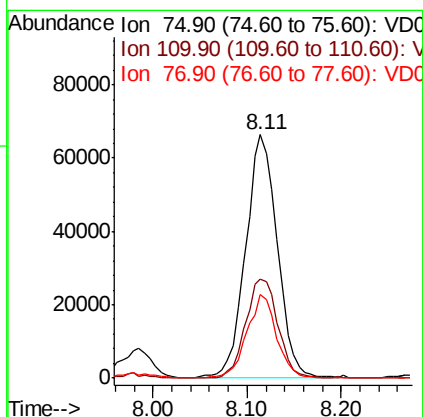
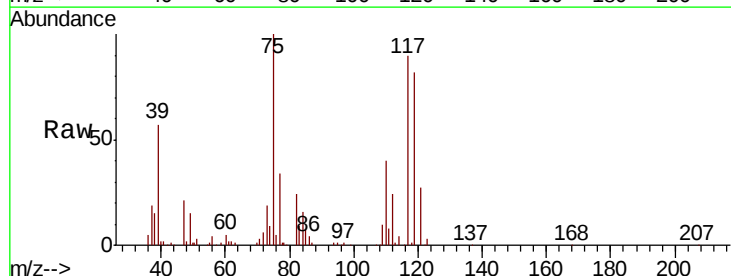
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

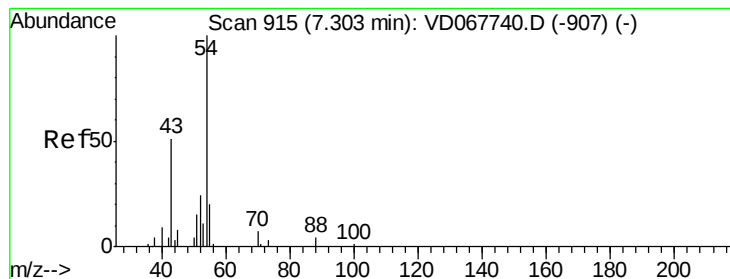
Tot Ion:113 Resp: 138978
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 21.9 17.0 25.4



#36
1,1-Dichloropropene
Concen: 44.926 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 75 Resp: 154874
Ion Ratio Lower Upper
75 100
110 41.4 20.1 60.2
77 32.0 24.8 37.2





#37

Ethyl Acetate

Concen: 45.780 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

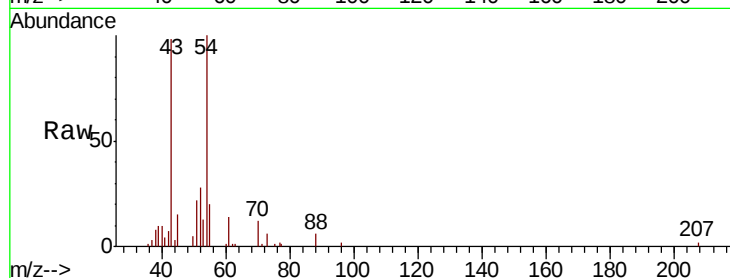
Tot Ion: 43 Resp: 42436

Ion Ratio Lower Upper

43 100

61 17.6 12.9 19.3

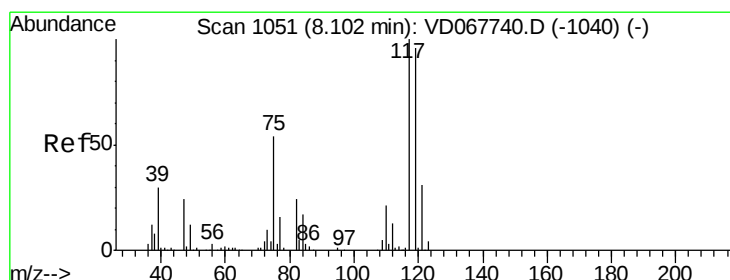
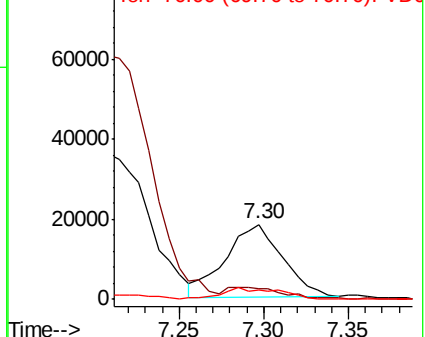
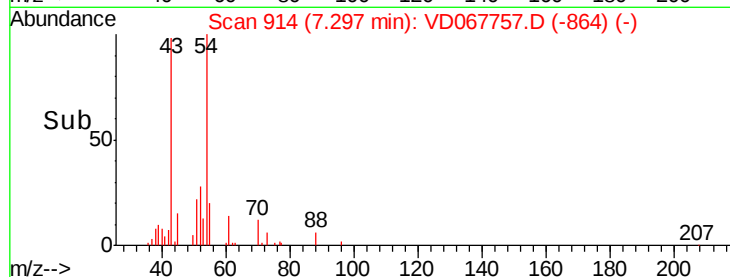
70 15.9 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 43.606 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

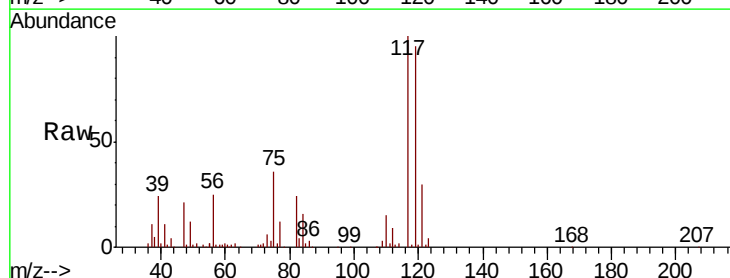
Tgt Ion: 117 Resp: 217900

Ion Ratio Lower Upper

117 100

119 95.4 76.6 115.0

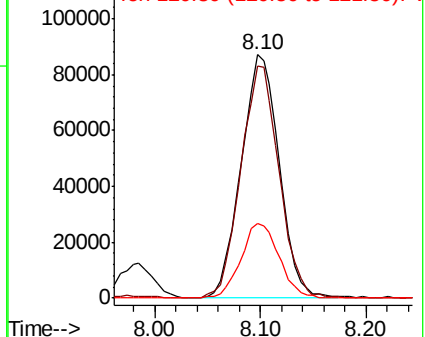
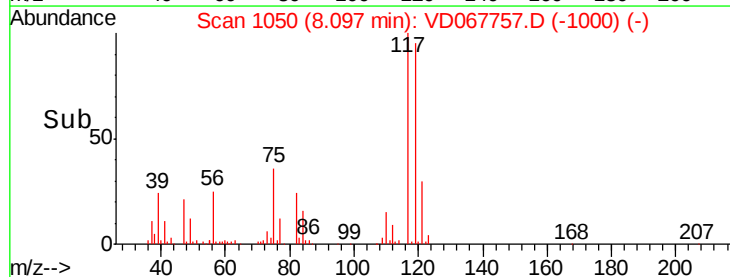
121 30.5 24.5 36.7

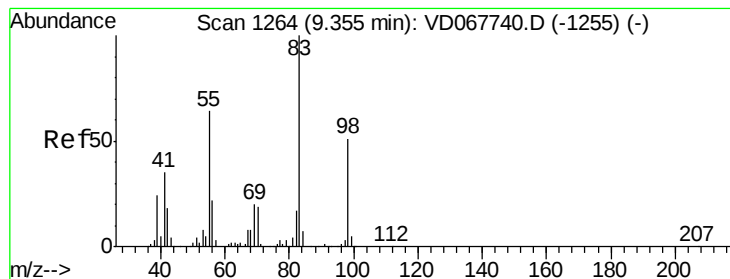


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 45.364 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

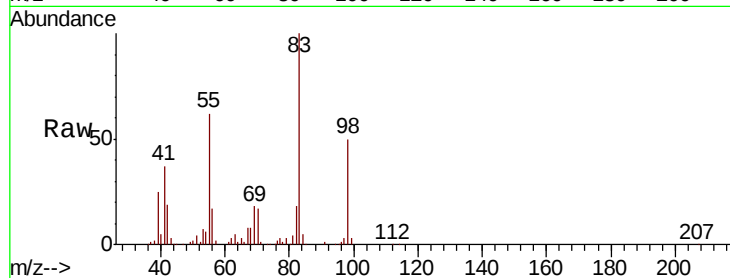
Tot Ion: 83 Resp: 185067

Ion Ratio Lower Upper

83 100

55 62.1 51.0 76.4

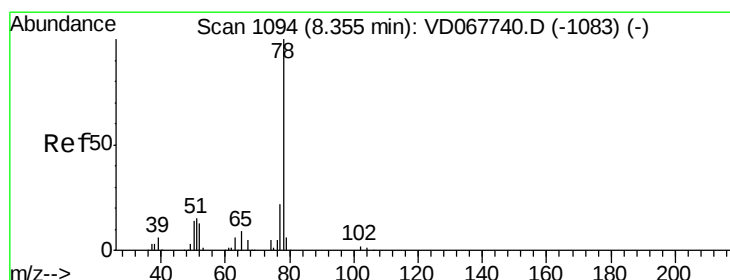
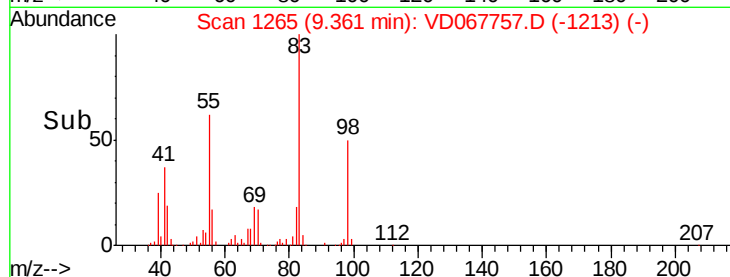
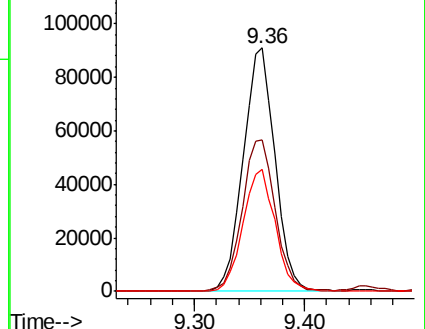
98 50.0 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 47.282 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD067757.D

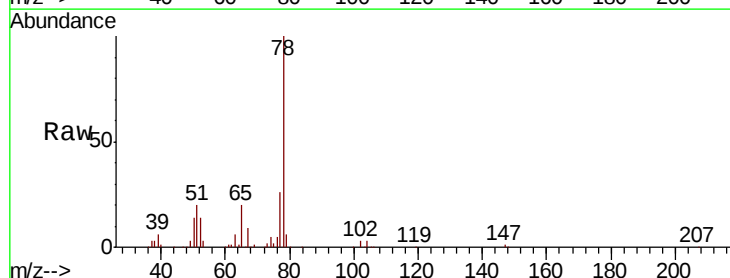
Acq: 23 Nov 2020 20:27

Tgt Ion: 78 Resp: 447659

Ion Ratio Lower Upper

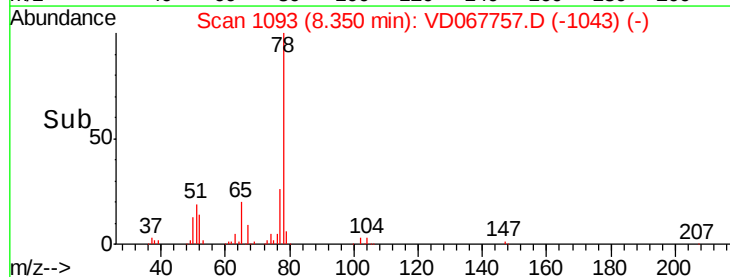
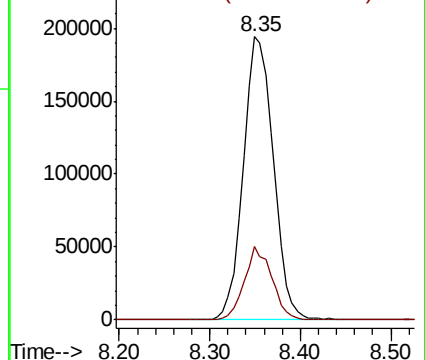
78 100

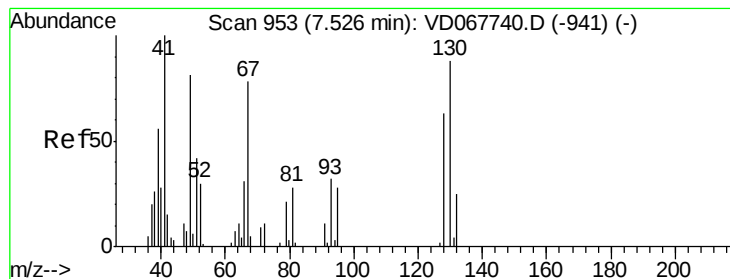
77 26.0 17.8 26.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 135.848 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 64302

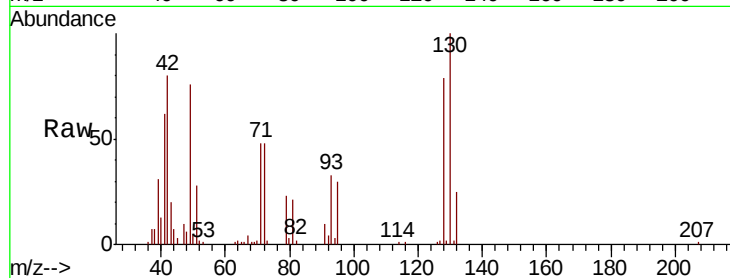
Ion Ratio Lower Upper

41 100

39 55.9 50.2 75.4

67 0.0 79.0 118.6#

52 0.0 32.4 48.6#

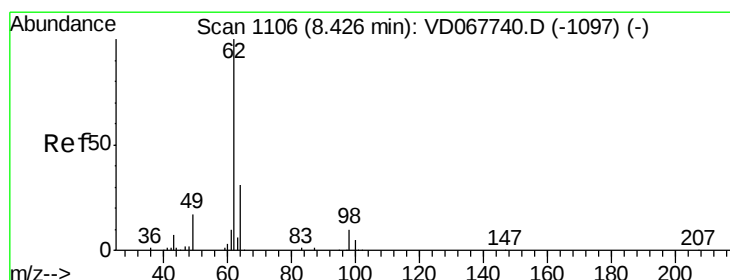
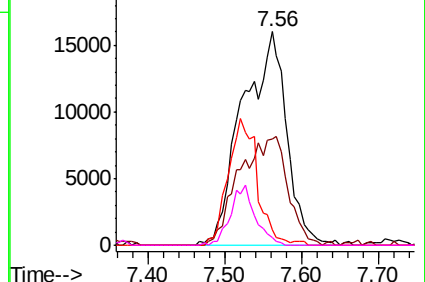
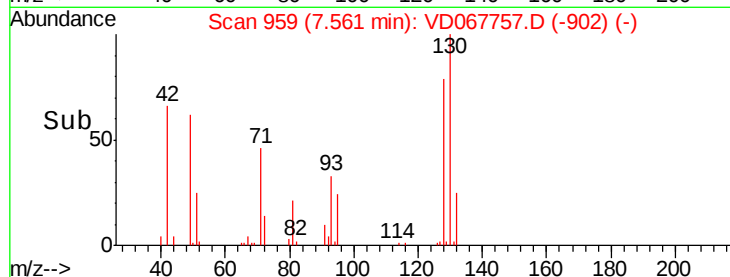


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 45.804 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067757.D

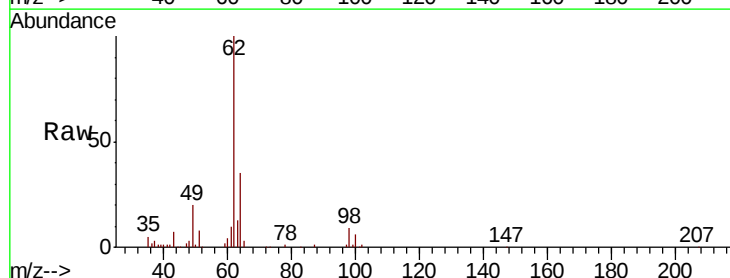
Acq: 23 Nov 2020 20:27

Tgt Ion: 62 Resp: 147144

Ion Ratio Lower Upper

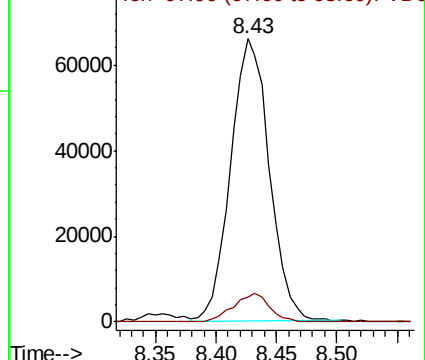
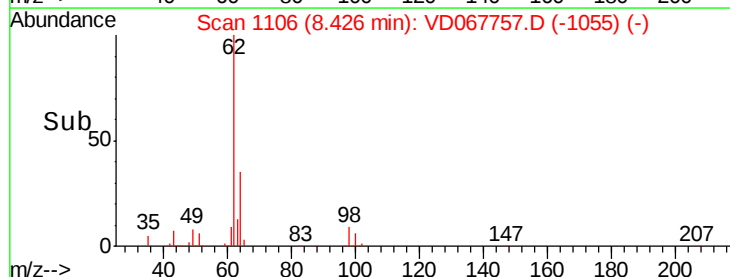
62 100

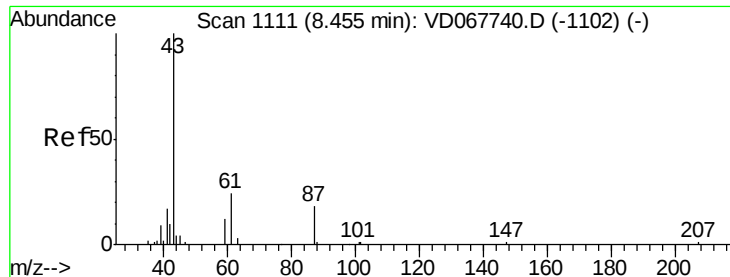
98 9.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.030 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

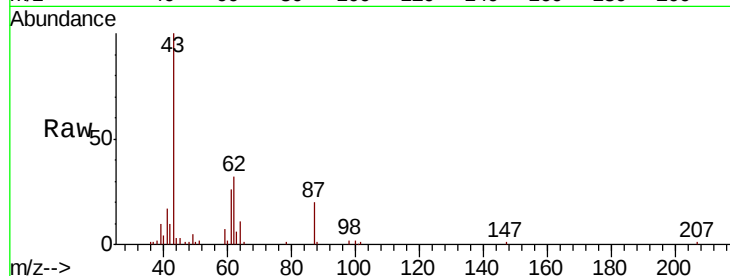
Tot Ion: 43 Resp: 88911

Ion Ratio Lower Upper

43 100

61 37.1 30.2 45.4

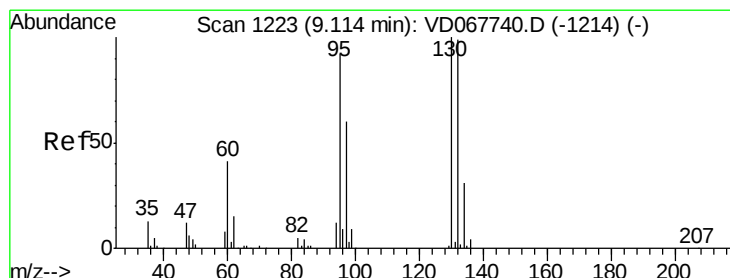
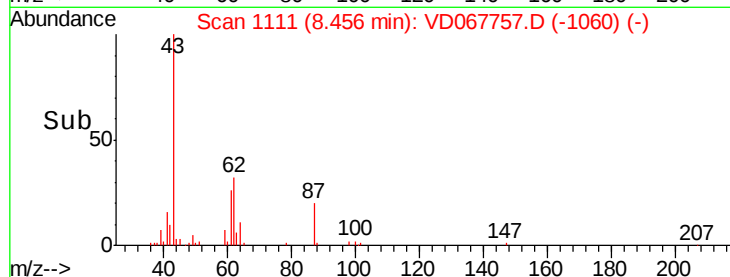
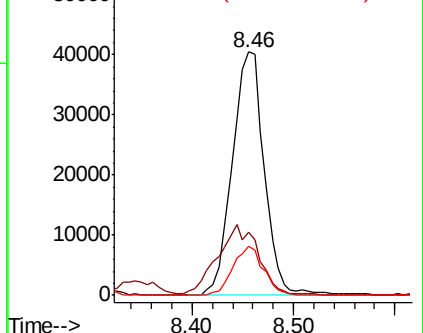
87 19.1 14.2 21.4



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: 46.128 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067757.D

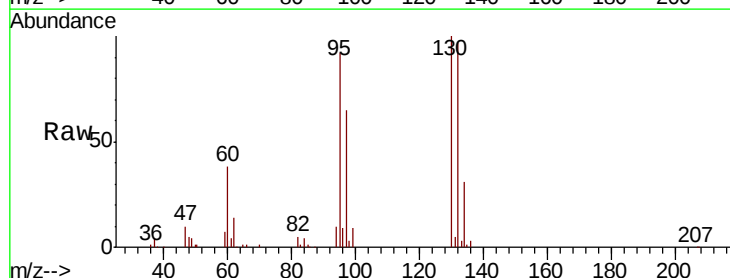
Acq: 23 Nov 2020 20:27

Tgt Ion: 130 Resp: 144746

Ion Ratio Lower Upper

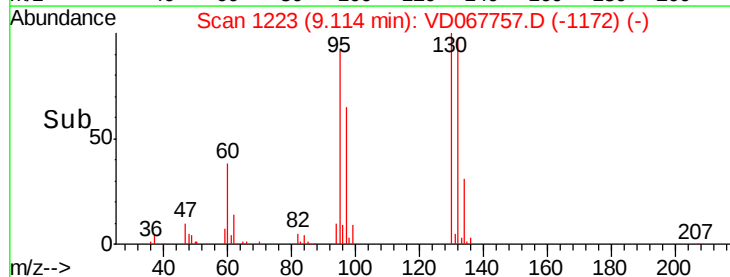
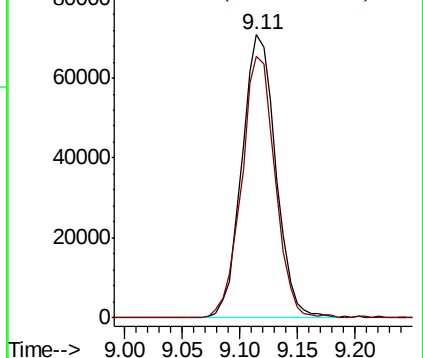
130 100

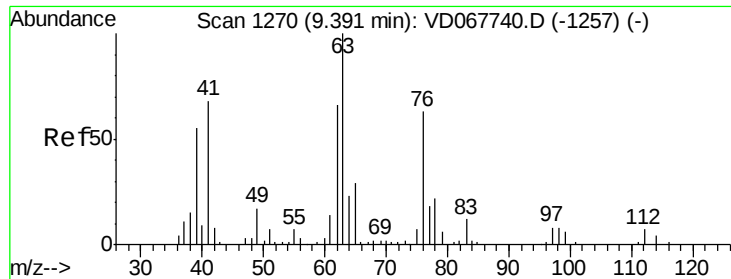
95 92.4 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

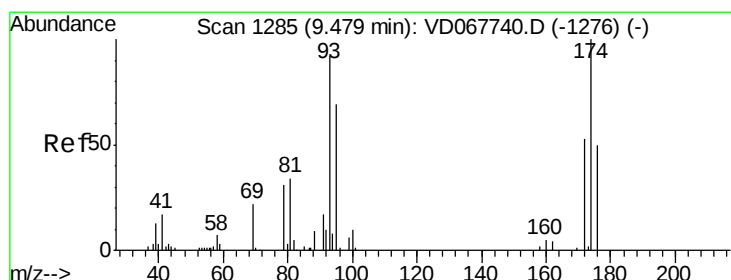
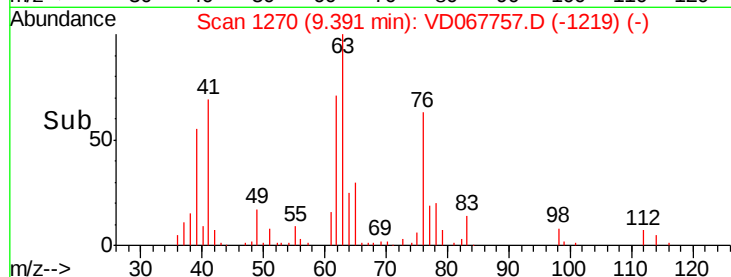
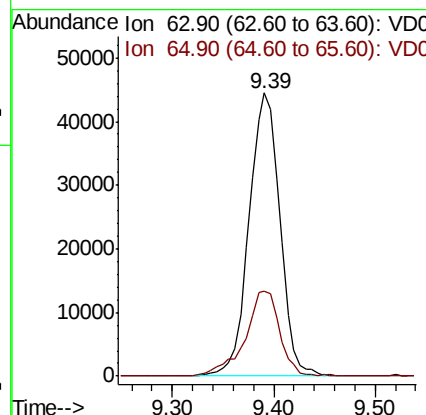
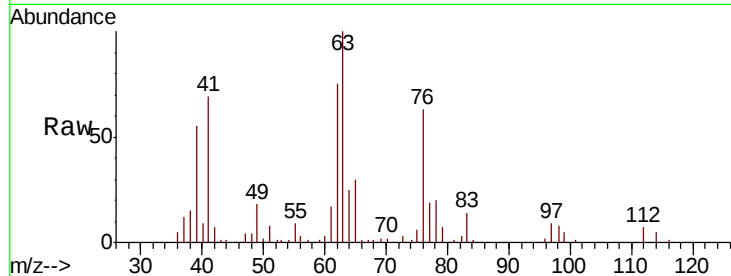




#45
 1,2-Dichloropropane
 Concen: 48.476 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

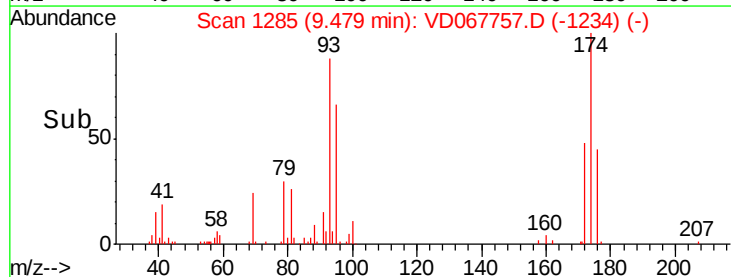
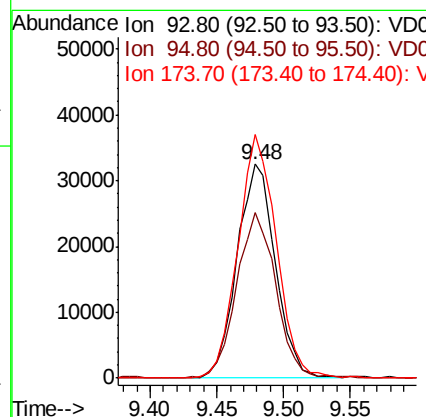
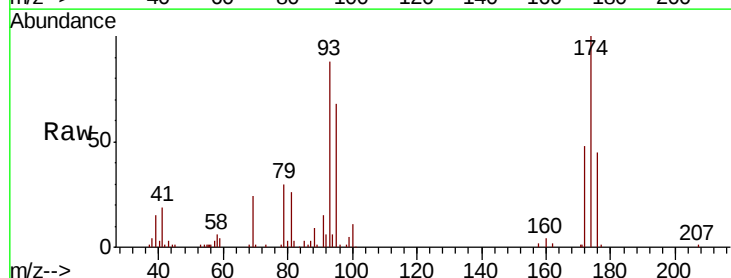
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

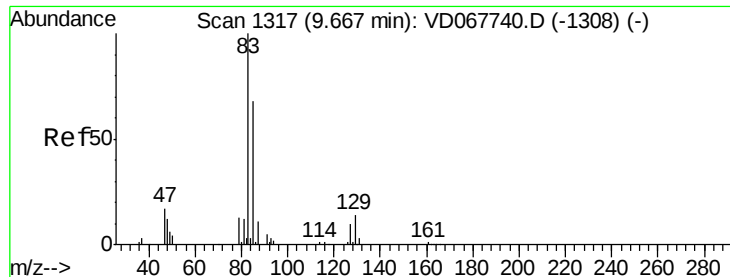
Tot Ion: 63 Resp: 94174
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.1 34.7



#46
 Dibromomethane
 Concen: 48.851 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 93 Resp: 64612
 Ion Ratio Lower Upper
 93 100
 95 79.3 63.4 95.2
 174 113.8 89.6 134.4





#47

Bromodichloromethane

Concen: 48.531 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

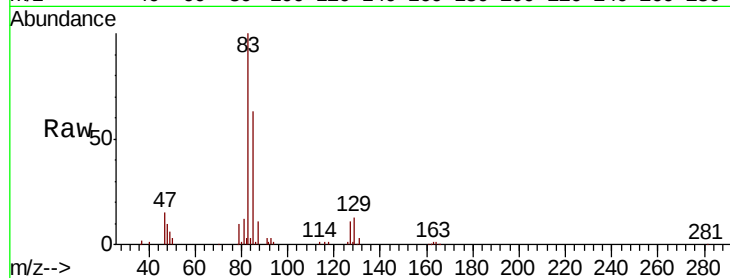
Tot Ion: 83 Resp: 178742

Ion Ratio Lower Upper

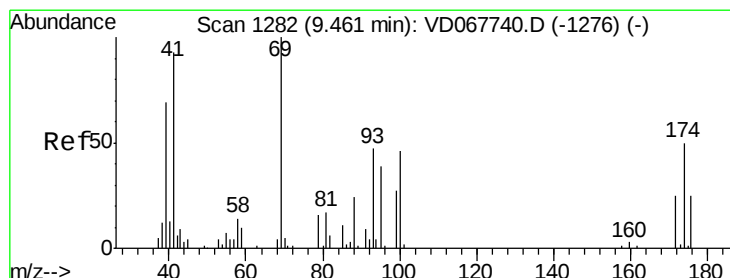
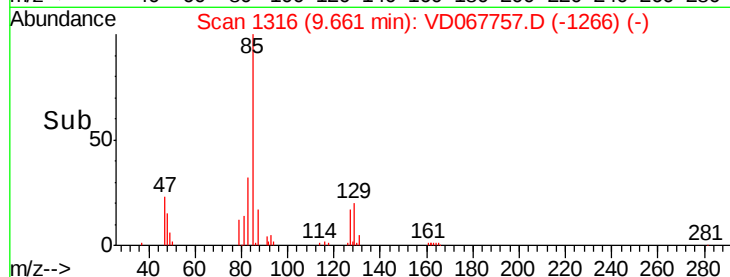
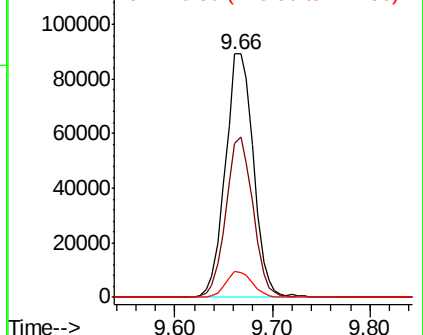
83 100

85 63.0 54.2 81.2

127 10.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 46.650 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

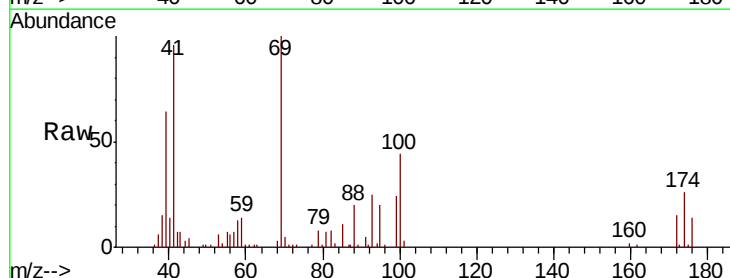
Tgt Ion: 41 Resp: 43173

Ion Ratio Lower Upper

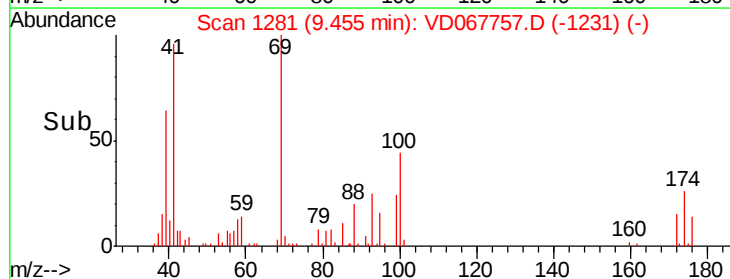
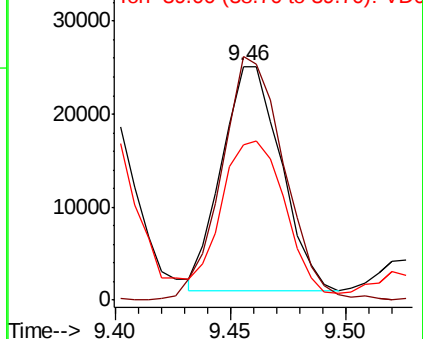
41 100

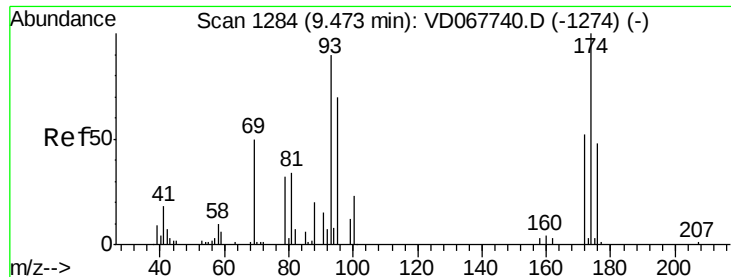
69 114.6 87.8 131.6

39 71.1 60.5 90.7



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





#49

1,4-Dioxane

Concen: 899.007 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

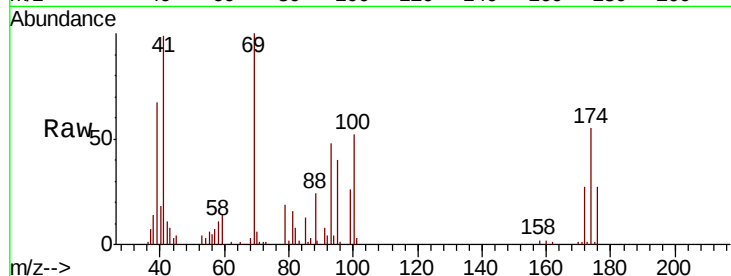
Tot Ion: 88 Resp: 12886

Ion Ratio Lower Upper

88 100

43 32.0 25.2 37.8

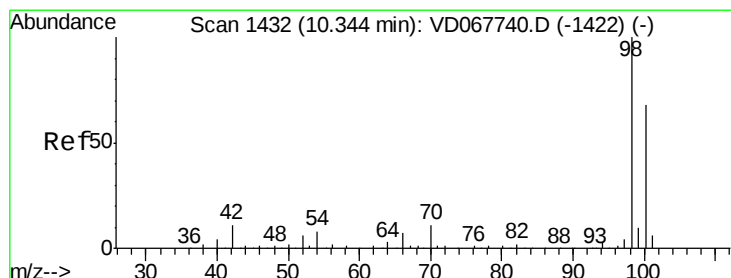
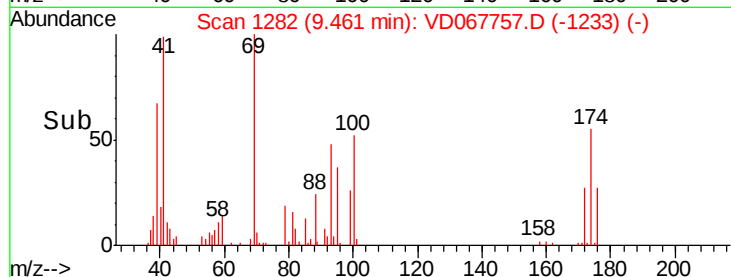
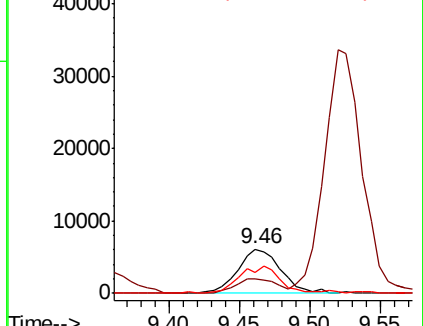
58 59.4 48.2 72.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.160 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067757.D

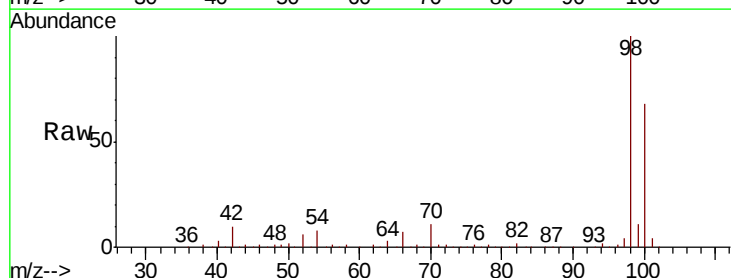
Acq: 23 Nov 2020 20:27

Tgt Ion: 98 Resp: 496893

Ion Ratio Lower Upper

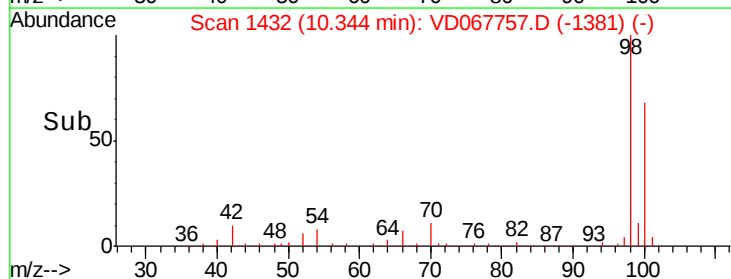
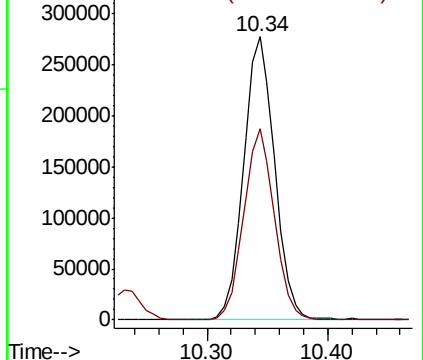
98 100

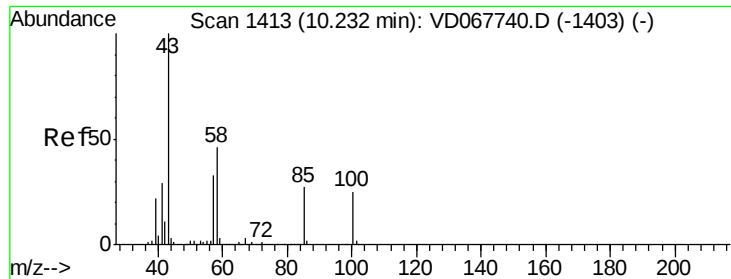
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 248.234 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

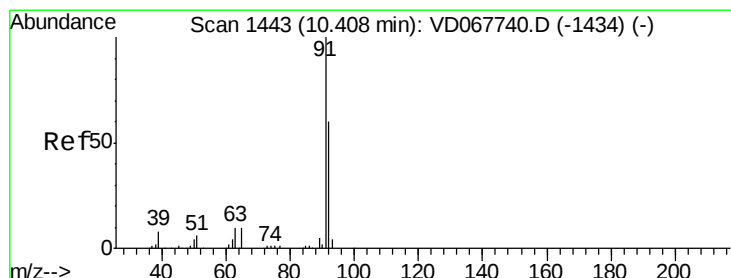
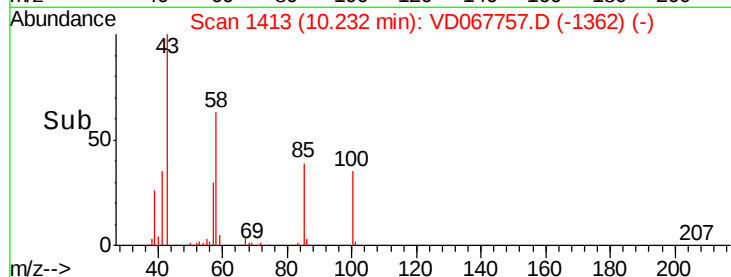
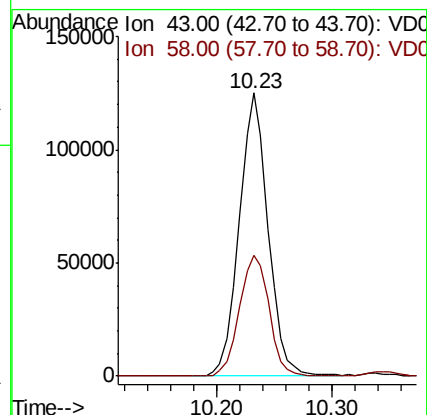
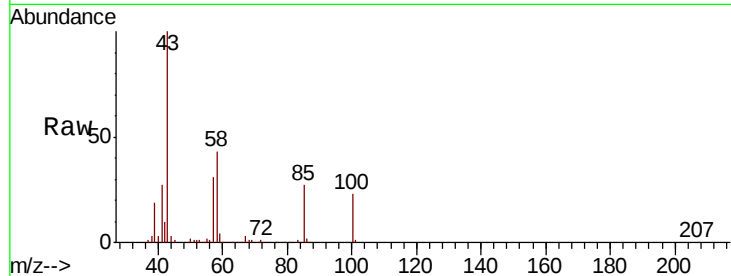
VSTDCCC050EC

Tot Ion: 43 Resp: 216228

Ion Ratio Lower Upper

43 100

58 43.7 34.7 52.1



#52

Toluene

Concen: 47.570 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067757.D

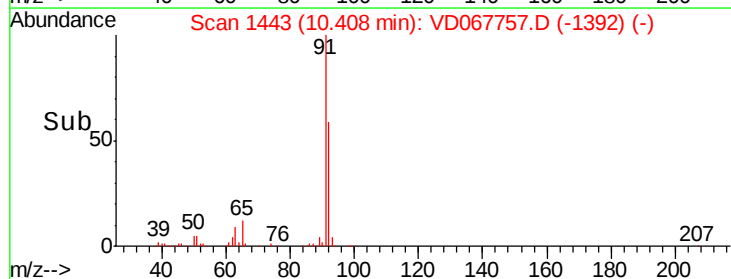
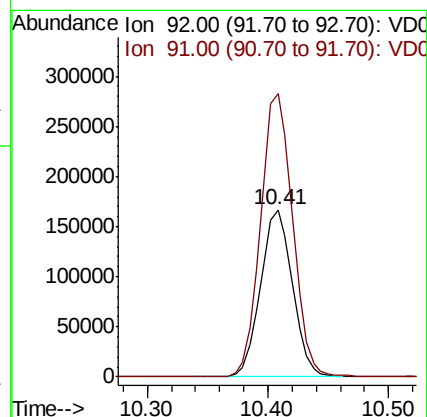
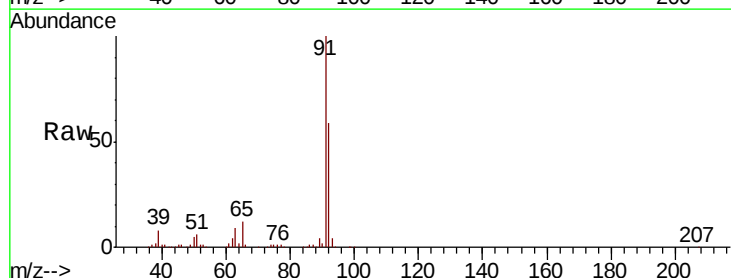
Acq: 23 Nov 2020 20:27

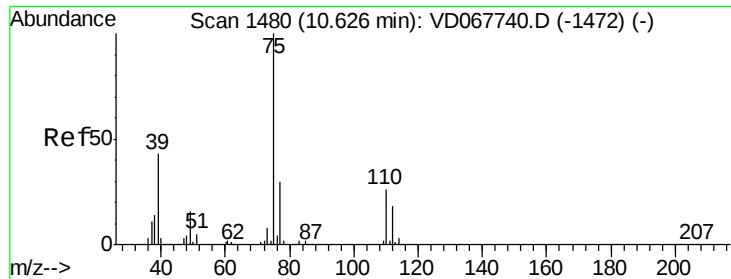
Tgt Ion: 92 Resp: 305536

Ion Ratio Lower Upper

92 100

91 171.1 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 47.775 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

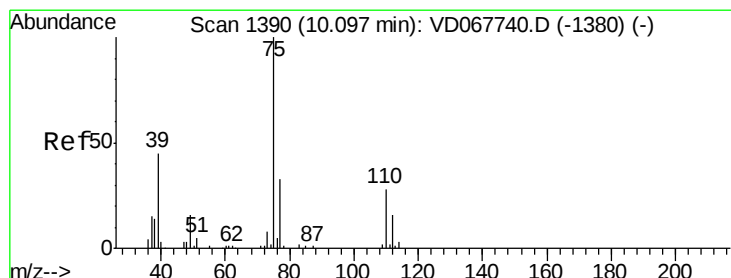
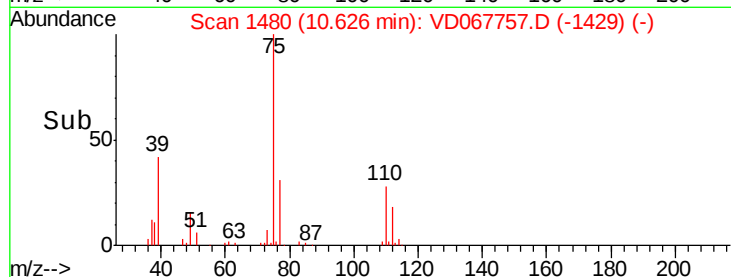
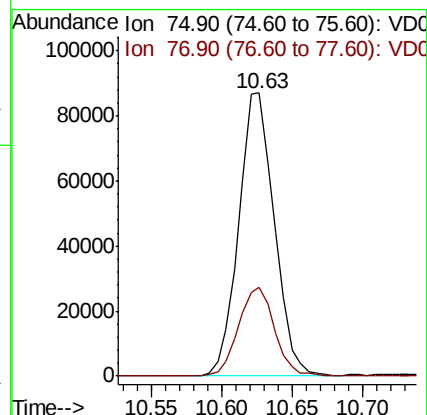
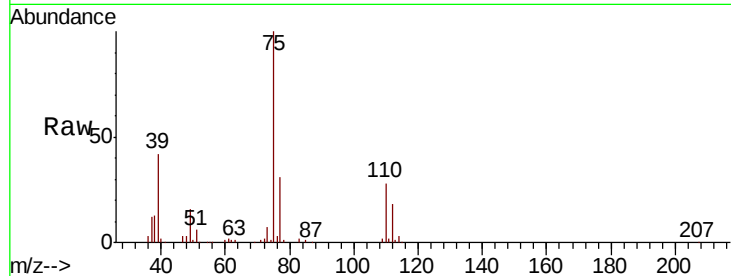
VSTDCCC050EC

Tot Ion: 75 Resp: 153729

Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 46.894 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

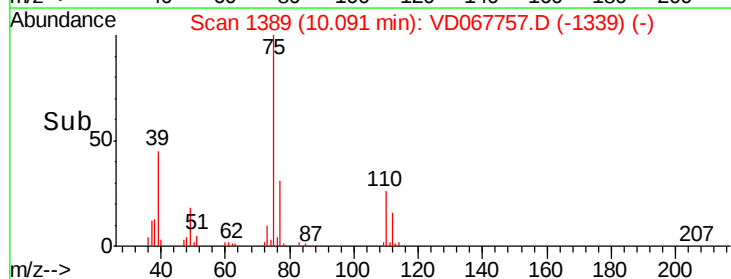
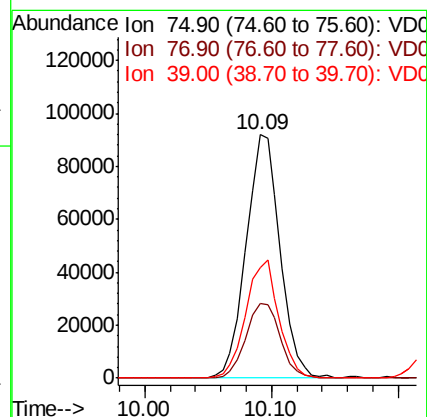
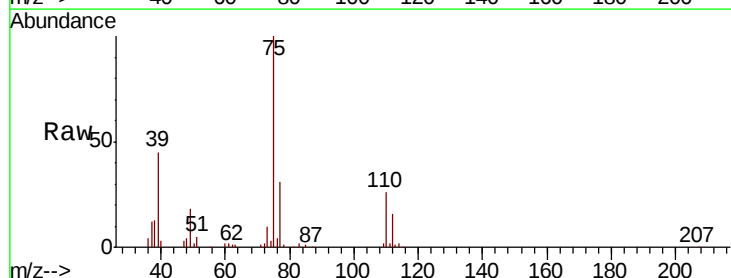
Tgt Ion: 75 Resp: 170765

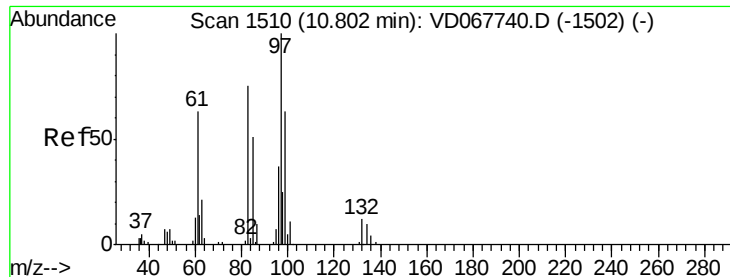
Ion Ratio Lower Upper

75 100

77 30.9 26.1 39.1

39 44.9 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 46.648 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 82784

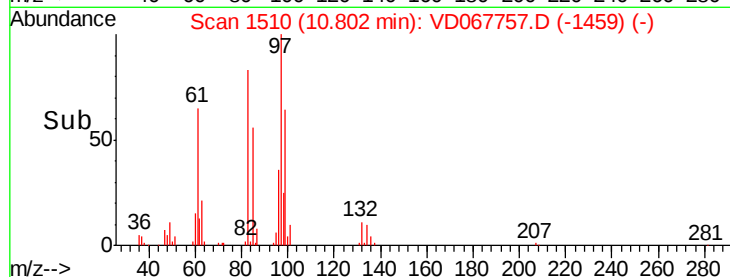
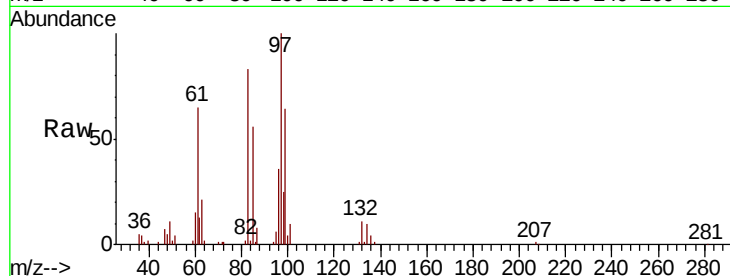
Ion Ratio Lower Upper

97 100

83 83.5 60.2 90.4

85 55.6 40.5 60.7

99 64.3 50.6 76.0

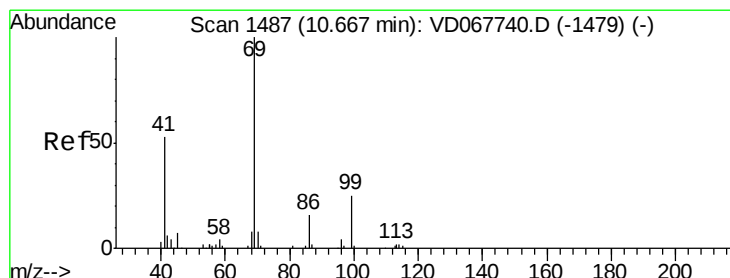
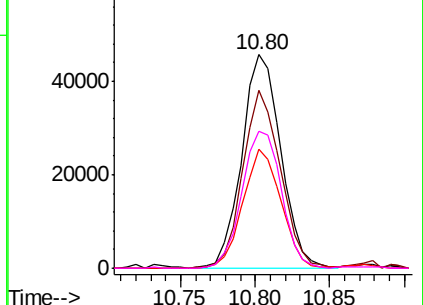


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.758 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

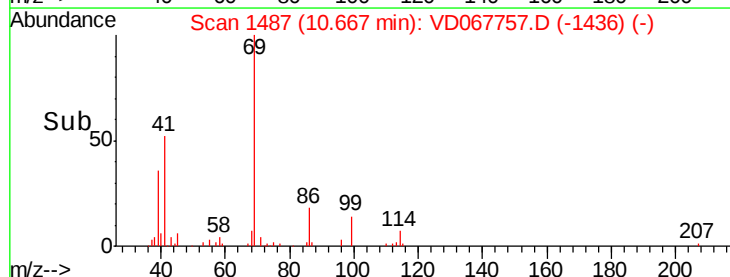
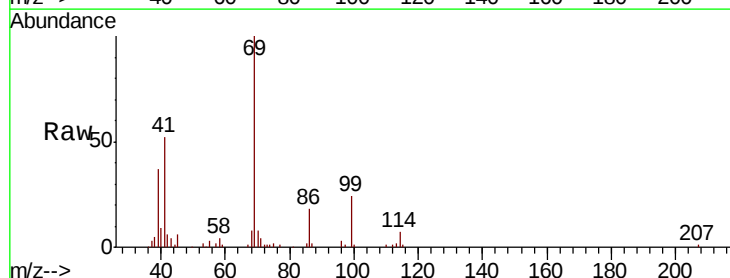
Tgt Ion: 69 Resp: 91421

Ion Ratio Lower Upper

69 100

41 55.0 43.4 65.0

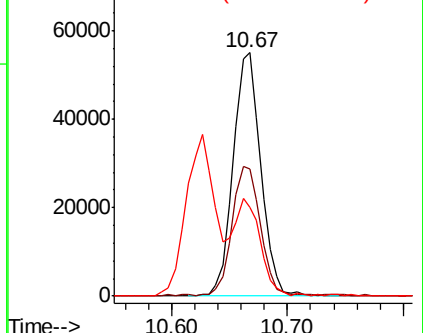
39 36.0 29.6 44.4

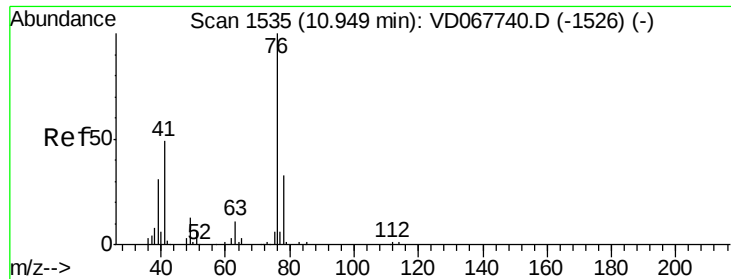


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.520 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

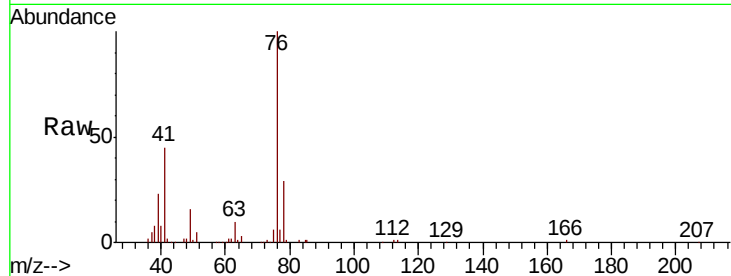
VSTDCCC050EC

Tot Ion: 76 Resp: 135765

Ion Ratio Lower Upper

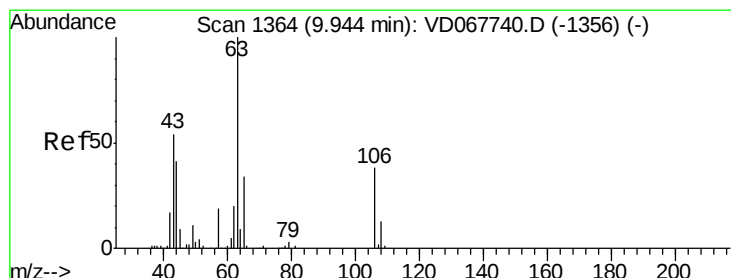
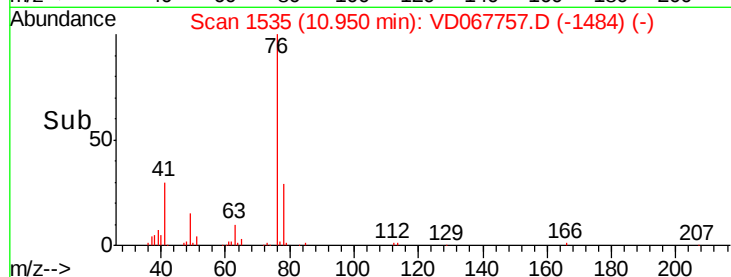
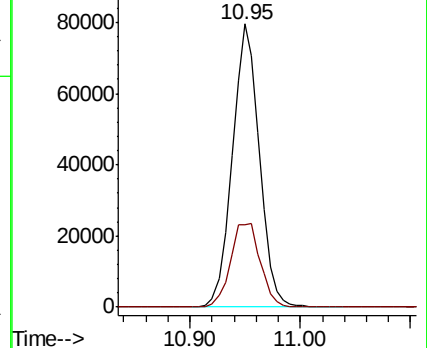
76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 285.830 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067757.D

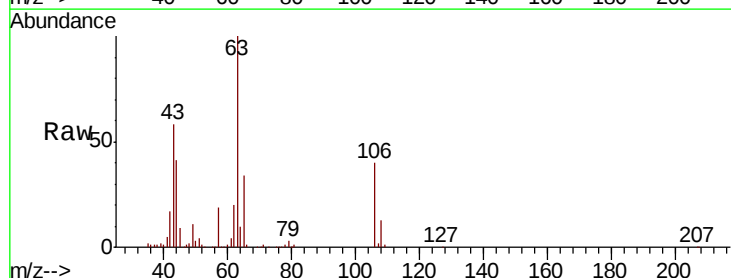
Acq: 23 Nov 2020 20:27

Tgt Ion: 63 Resp: 245381

Ion Ratio Lower Upper

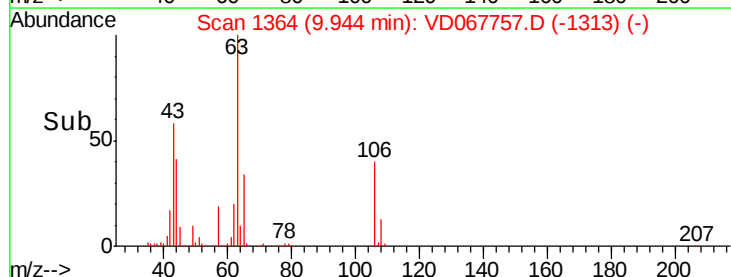
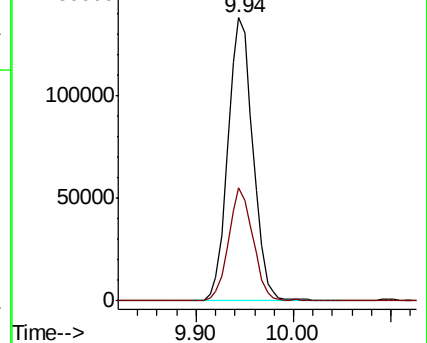
63 100

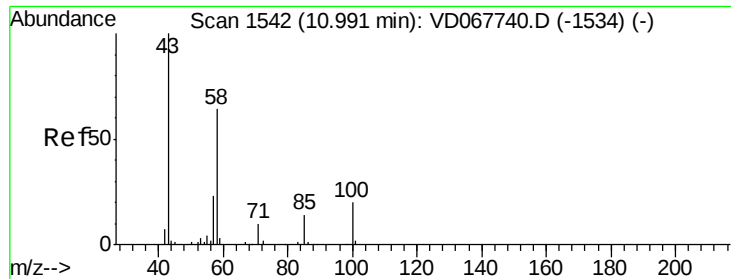
106 39.0 31.0 46.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

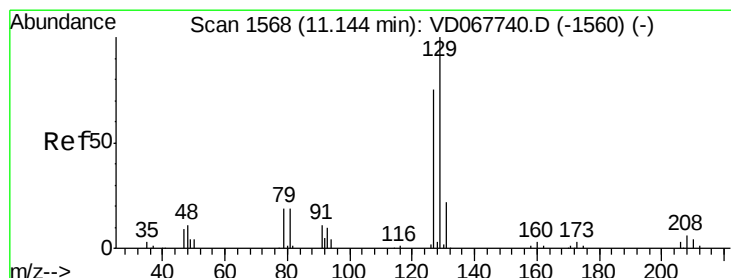
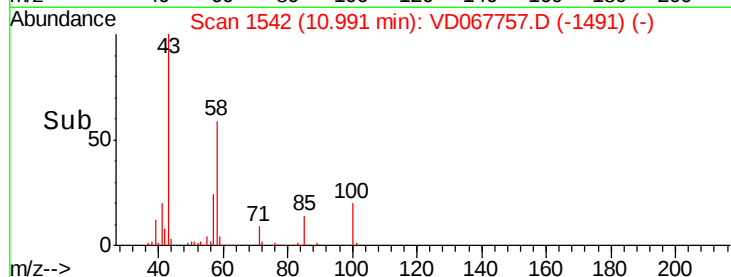
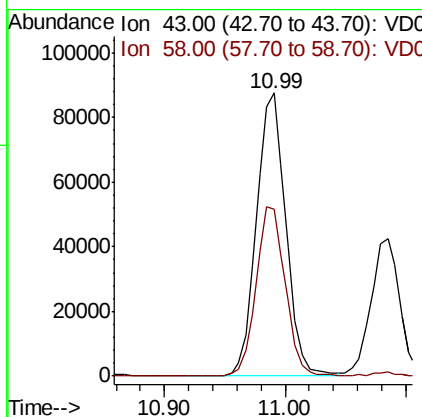
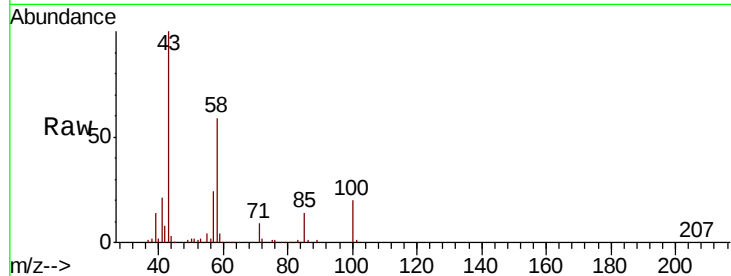




#59
2-Hexanone
Concen: 242.240 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

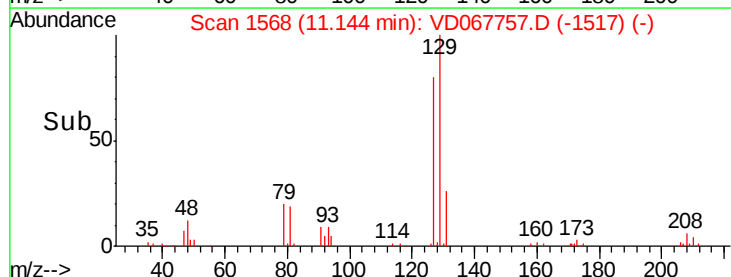
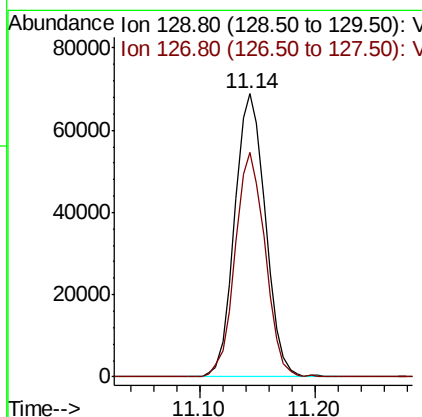
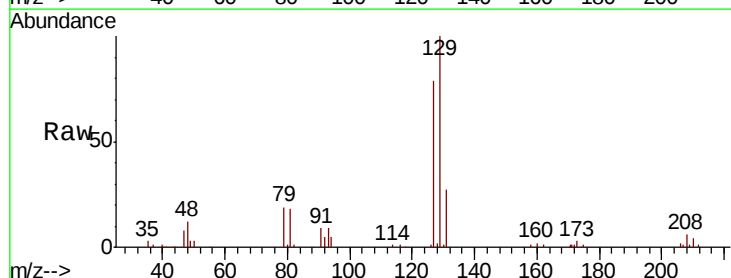
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

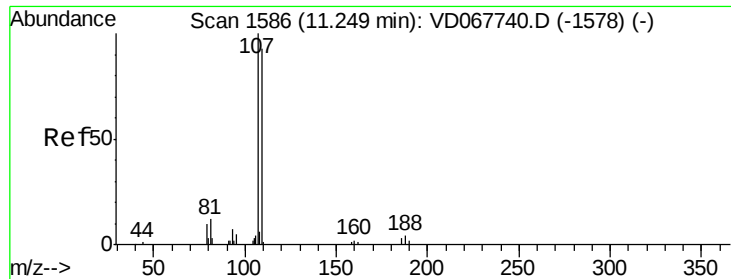
Tot Ion: 43 Resp: 148977
Ion Ratio Lower Upper
43 100
58 59.4 30.5 91.5



#60
Dibromochloromethane
Concen: 46.871 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 129 Resp: 126753
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7

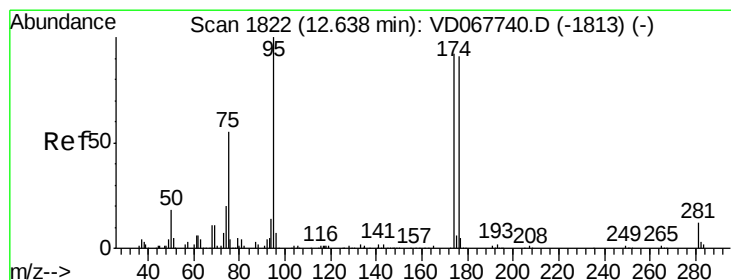
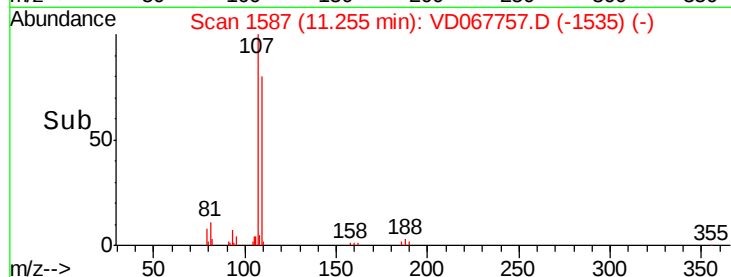
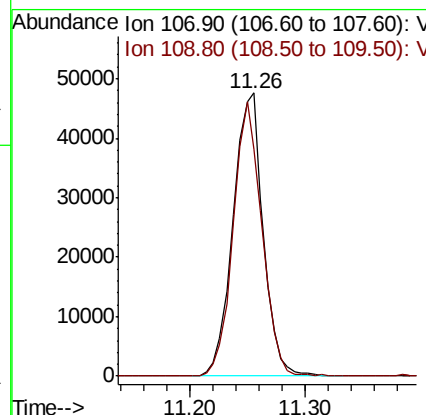
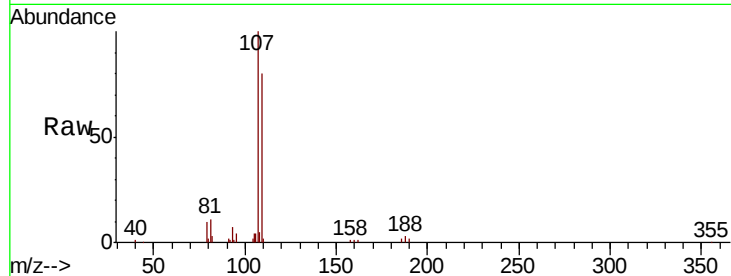




#61
 1,2-Dibromoethane
 Concen: 48.992 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

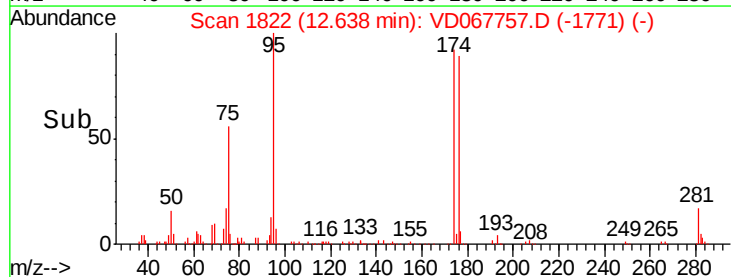
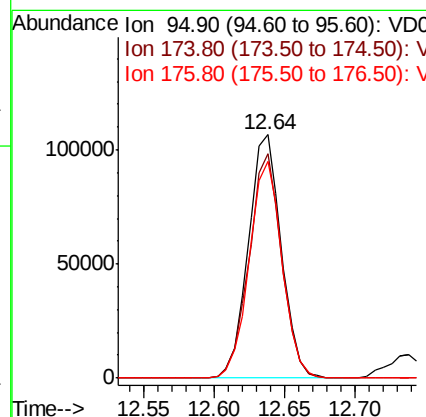
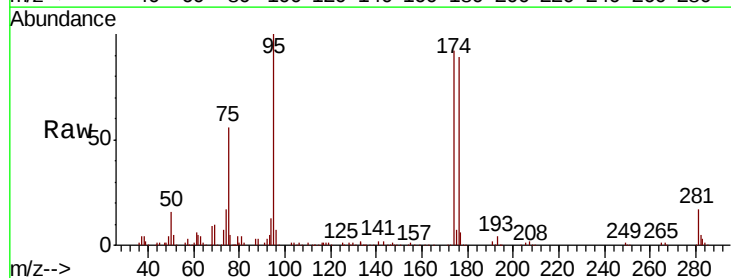
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

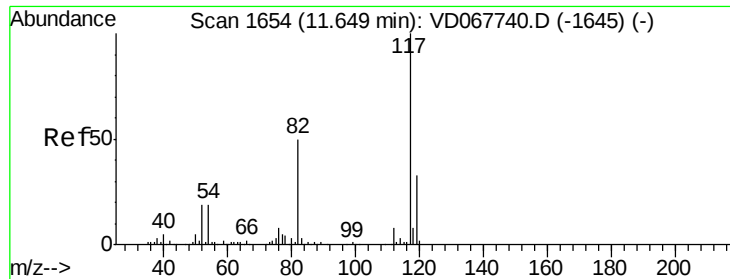
Tot Ion: 107 Resp: 85667
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 54.640 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 95 Resp: 174570
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 182.4
 176 88.6 0.0 178.2

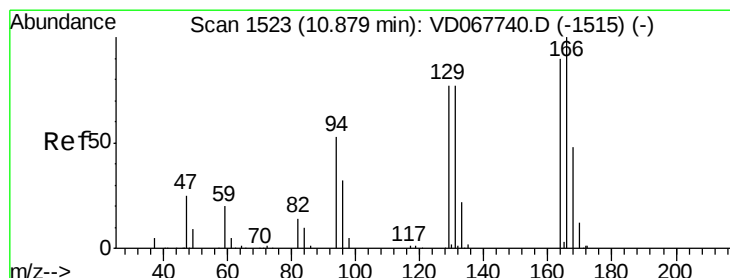
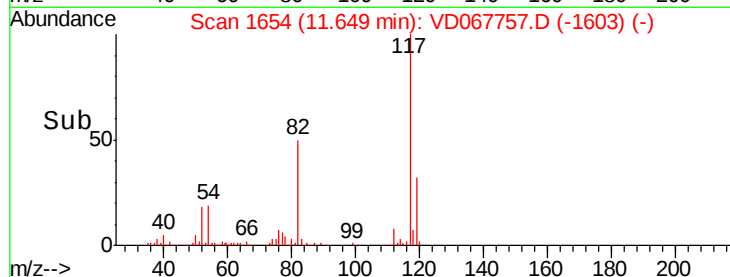
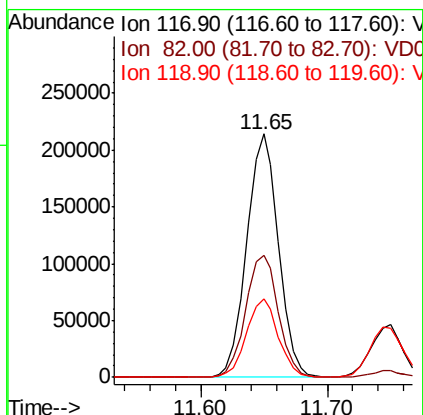
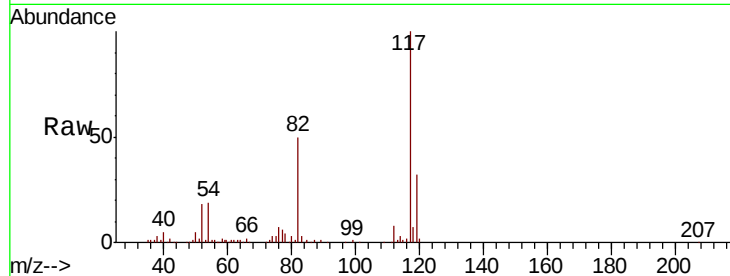




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

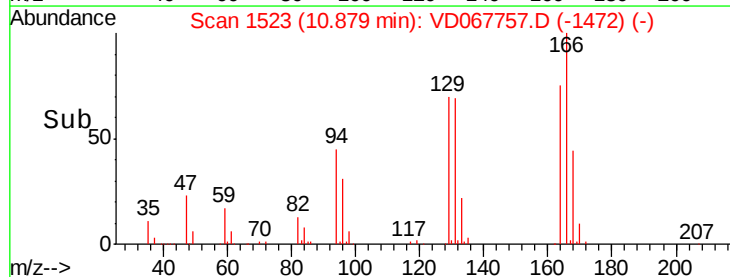
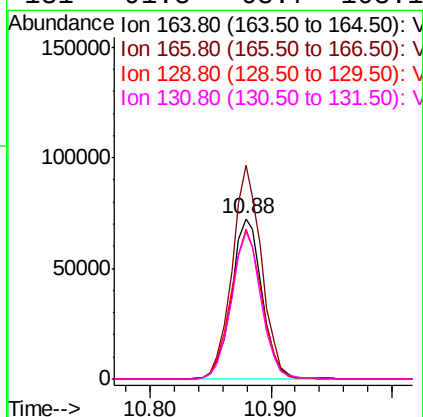
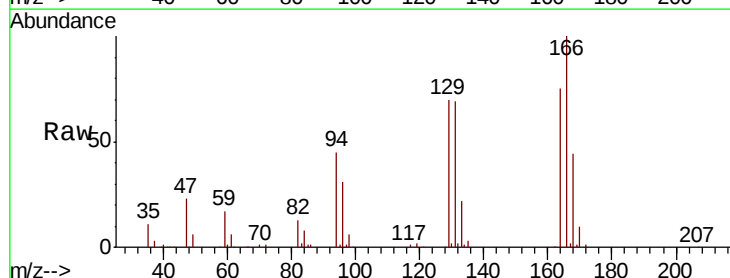
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

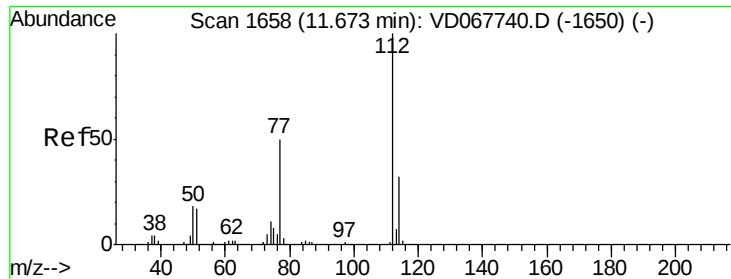
Tot Ion:117 Resp: 373012
Ion Ratio Lower Upper
117 100
82 50.2 40.2 60.4
119 32.4 26.5 39.7



#64
Tetrachloroethene
Concen: 43.734 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion:164 Resp: 126614
Ion Ratio Lower Upper
164 100
166 133.2 89.2 133.8
129 93.1 68.4 102.6
131 91.8 68.7 103.1

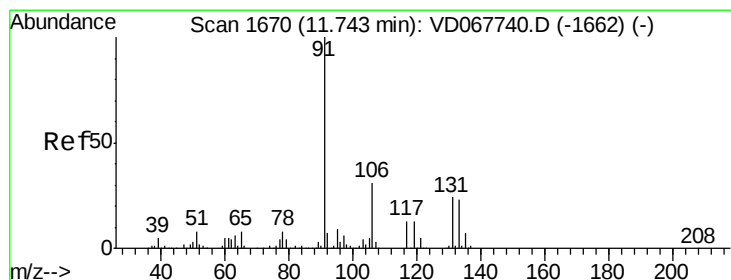
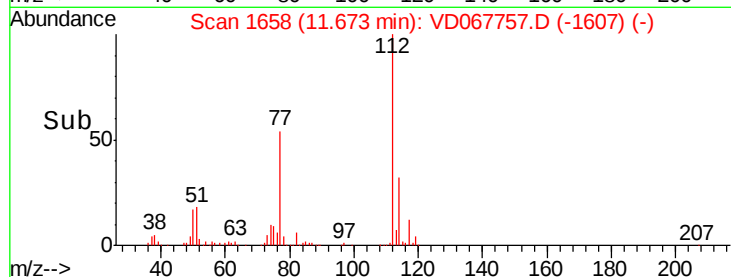
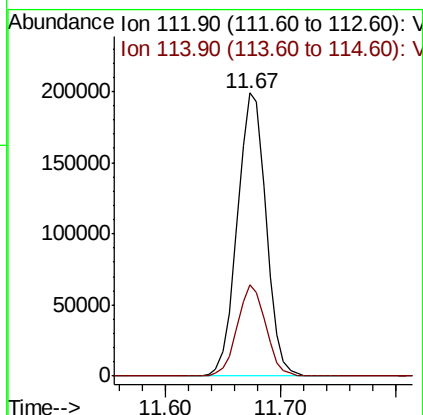
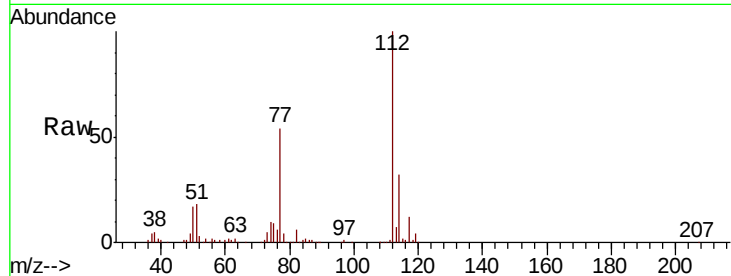




#65
Chlorobenzene
Concen: 46.763 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

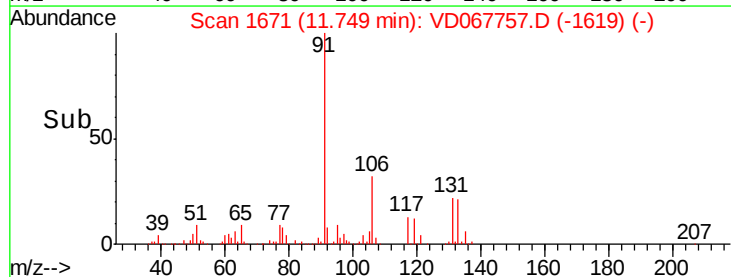
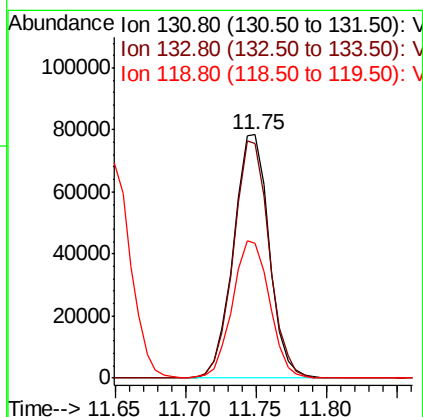
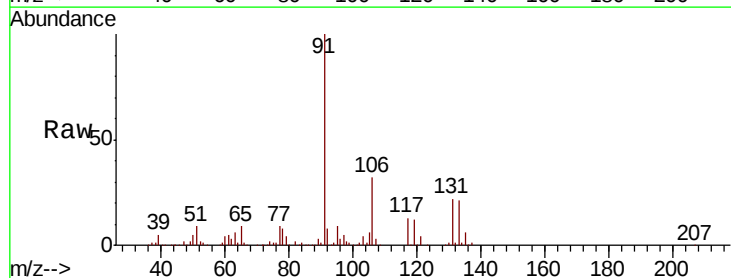
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

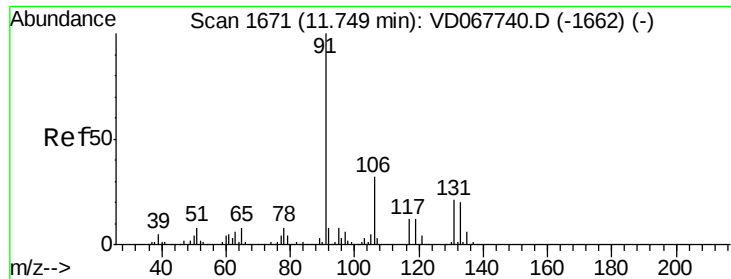
Tot Ion:112 Resp: 342835
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 46.711 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion:131 Resp: 138524
Ion Ratio Lower Upper
131 100
133 97.6 49.0 147.0
119 58.6 28.8 86.5





#67

Ethyl Benzene

Concen: 46.199 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

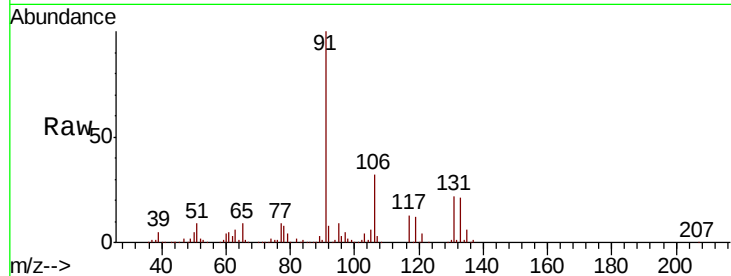
VSTDCCC050EC

Tot Ion: 91 Resp: 584716

Ion Ratio Lower Upper

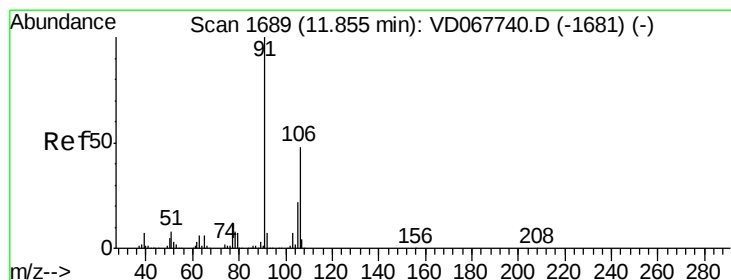
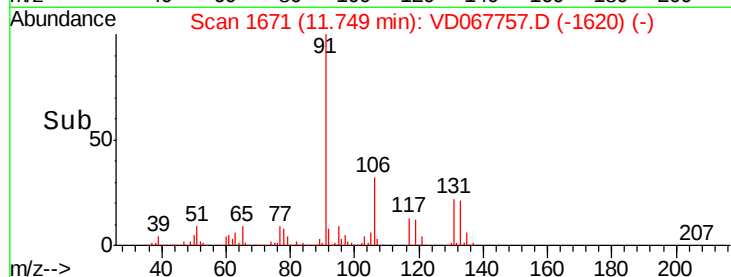
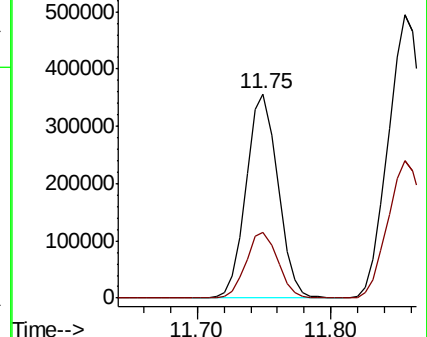
91 100

106 32.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.391 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067757.D

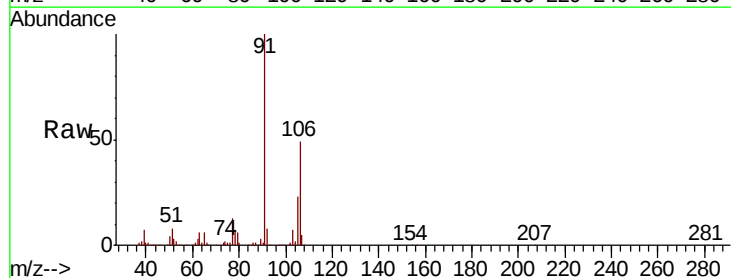
Acq: 23 Nov 2020 20:27

Tgt Ion: 106 Resp: 459971

Ion Ratio Lower Upper

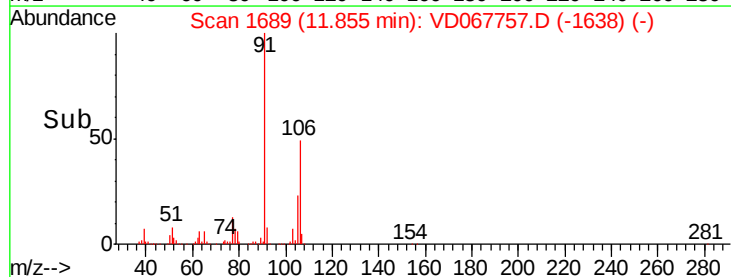
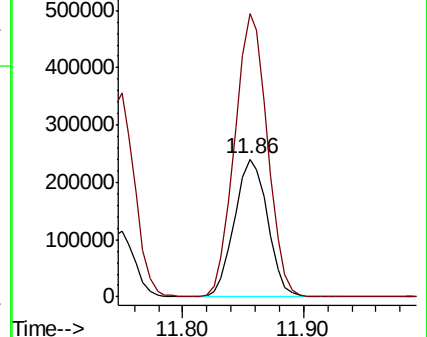
106 100

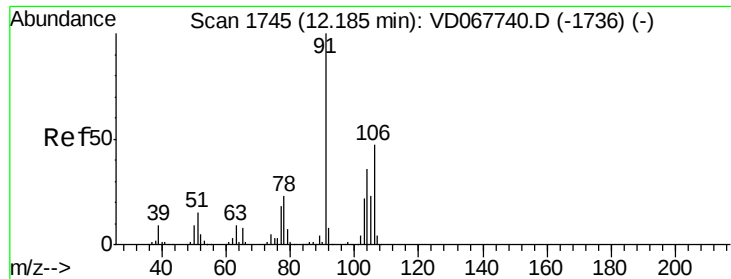
91 202.9 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

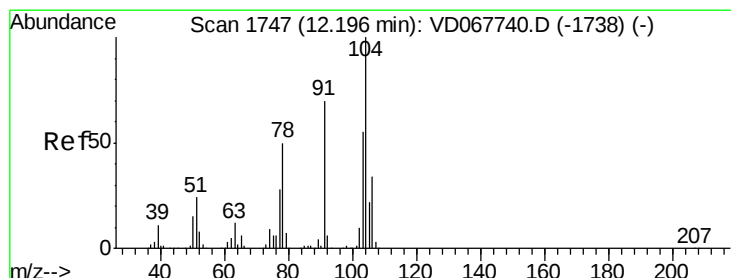
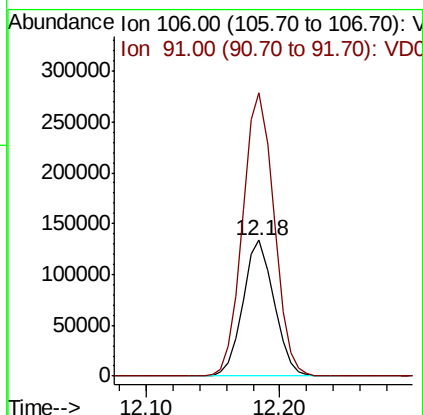
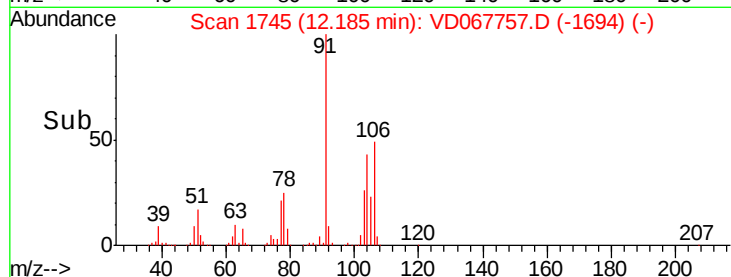
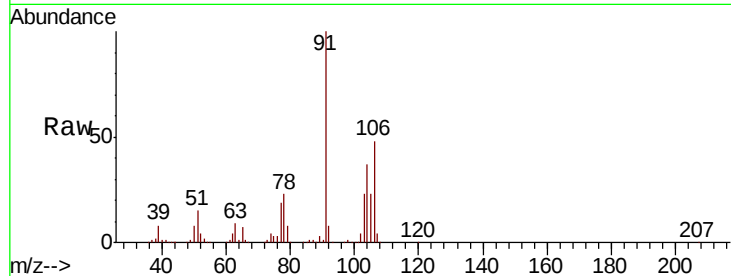




#69
o-Xylene
Concen: 47.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

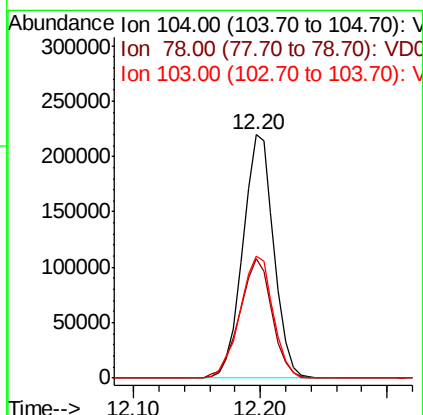
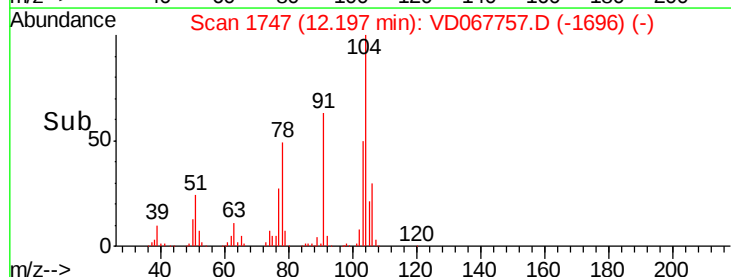
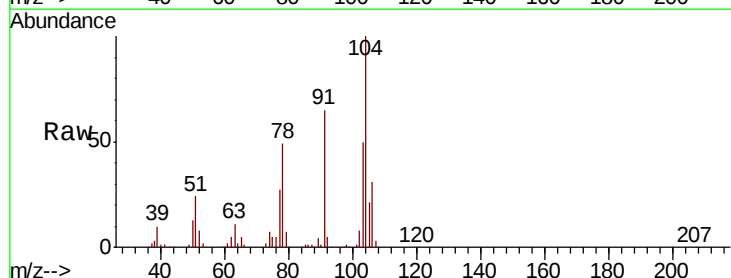
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

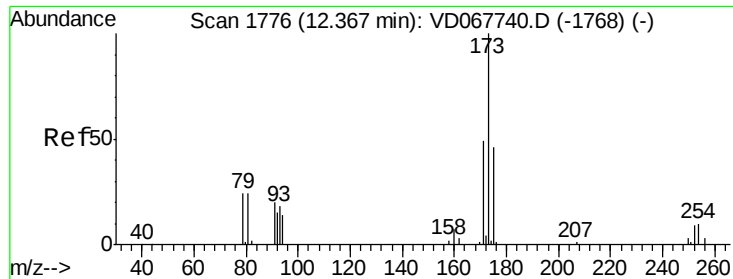
Tot Ion:106 Resp: 215228
Ion Ratio Lower Upper
106 100
91 210.3 106.2 318.6



#70
Styrene
Concen: 48.666 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion:104 Resp: 371728
Ion Ratio Lower Upper
104 100
78 51.2 41.9 62.9
103 53.8 44.1 66.1

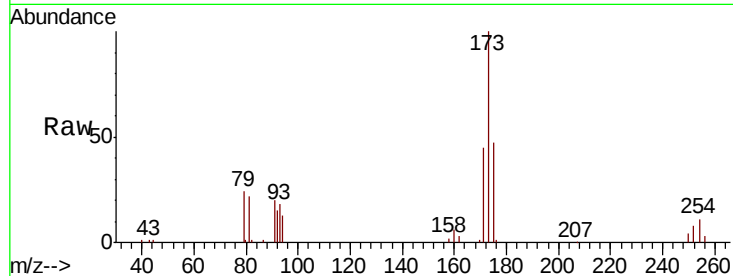




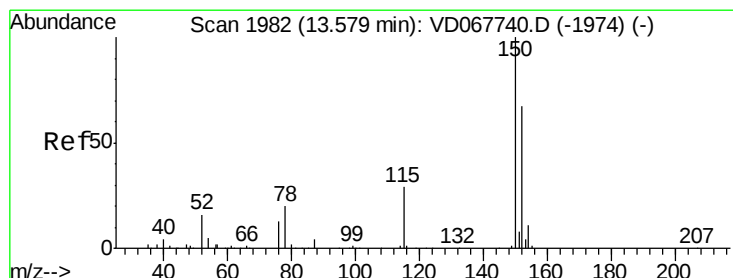
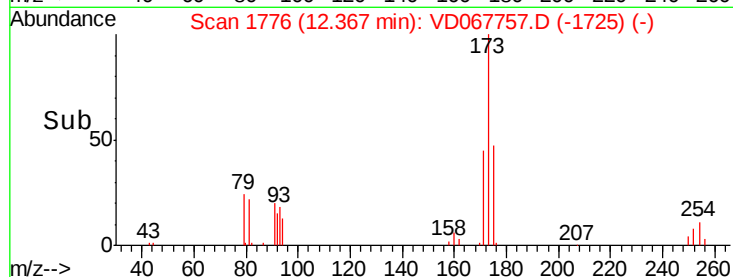
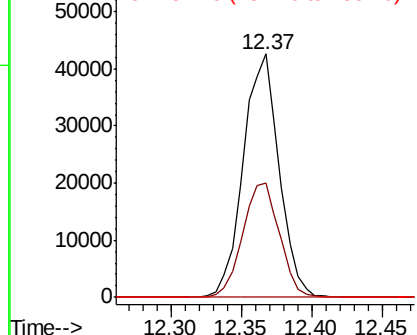
#71
Bromoform
Concen: 47.050 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 75744
Ion Ratio Lower Upper
173 100
175 48.2 23.9 71.7
254 0.0 0.0 0.0

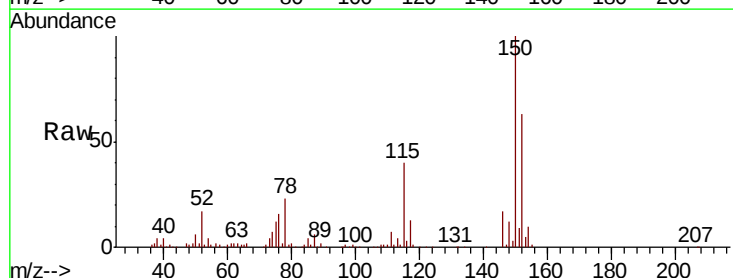


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

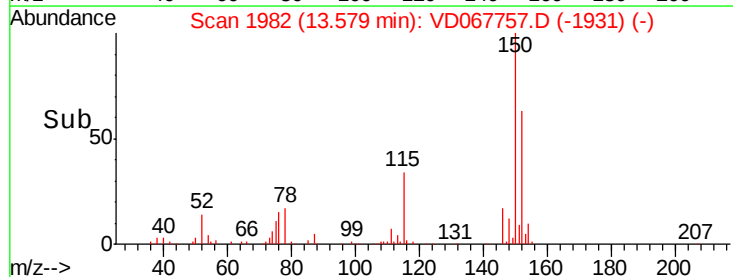
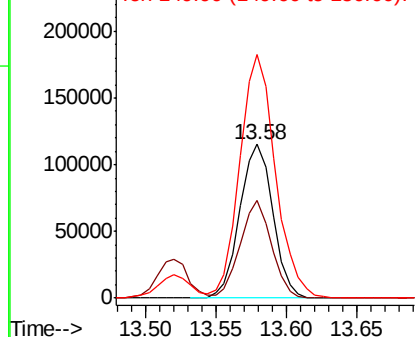


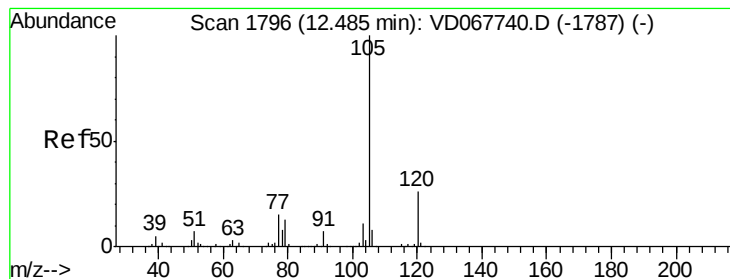
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion:152 Resp: 189482
Ion Ratio Lower Upper
152 100
115 60.1 29.4 88.3
150 169.7 0.0 340.6



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: 47.515 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

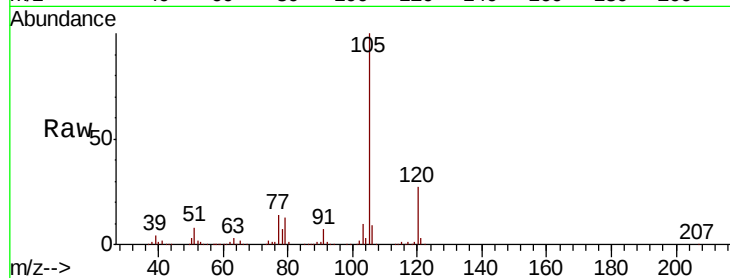
VSTDCCC050EC

Tot Ion:105 Resp: 592378

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

300000

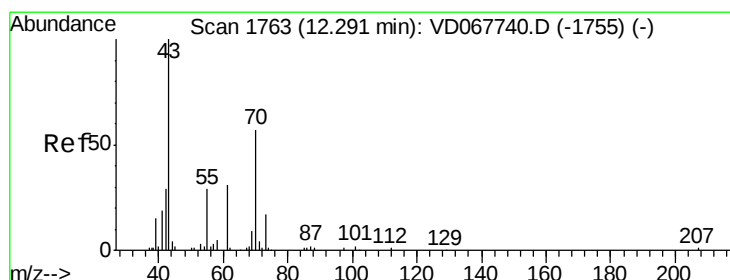
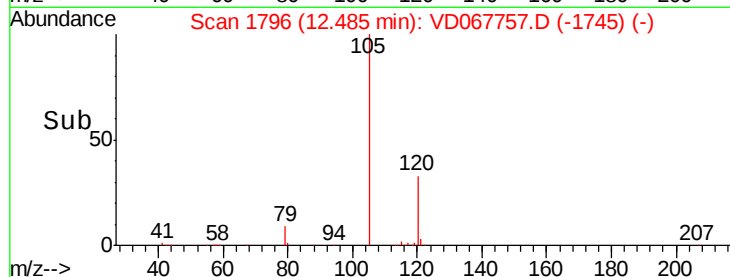
200000

100000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 48.359 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Tgt Ion: 43 Resp: 79507

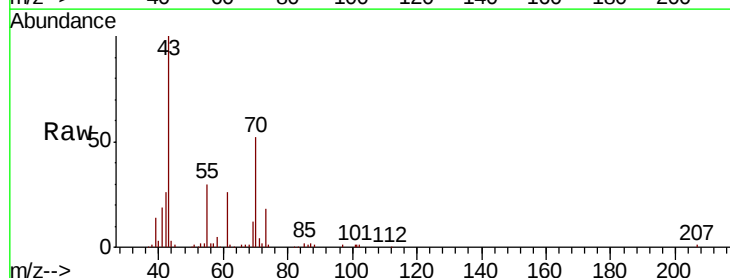
Ion Ratio Lower Upper

43 100

70 54.3 44.6 66.8

55 29.9 24.2 36.2

61 28.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

60000

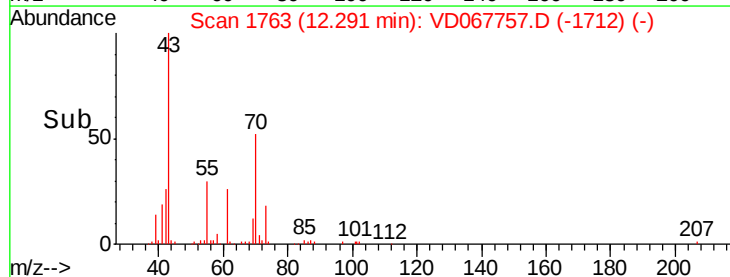
40000

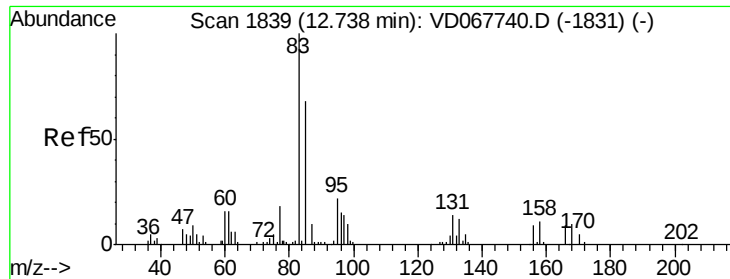
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 47.097 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

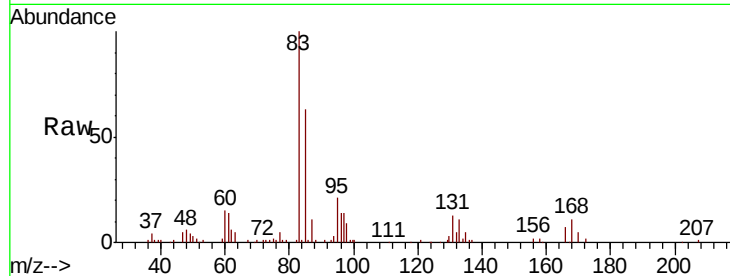
Tot Ion: 83 Resp: 78800

Ion Ratio Lower Upper

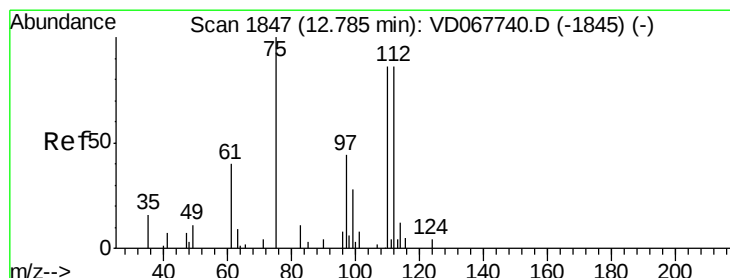
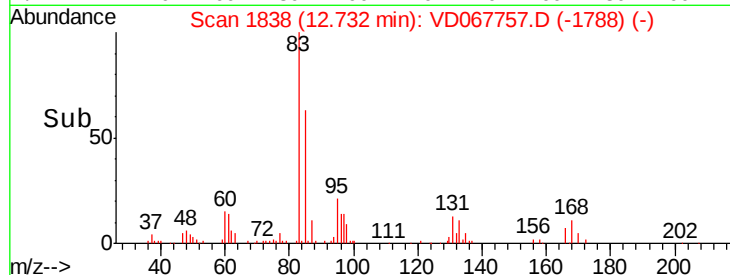
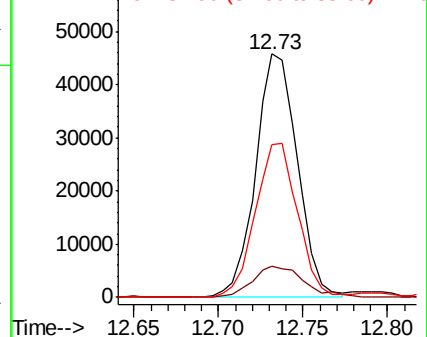
83 100

131 15.6 8.1 24.1

85 63.9 33.9 101.7



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: 87.484 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD067757.D

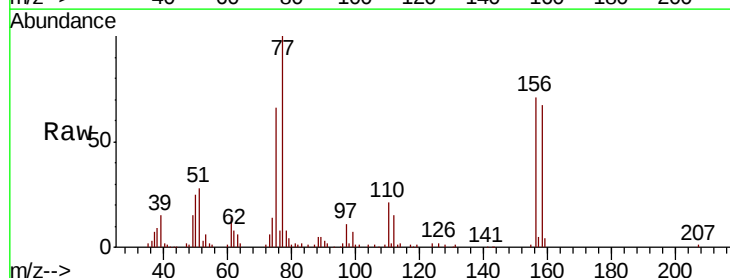
Acq: 23 Nov 2020 20:27

Tgt Ion: 75 Resp: 115531

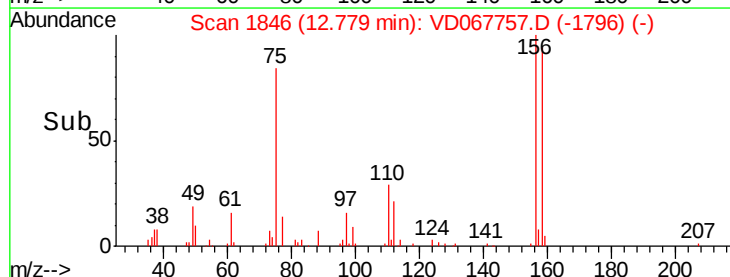
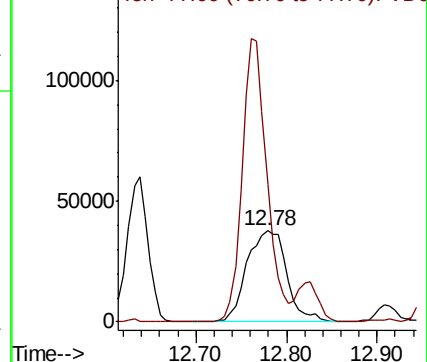
Ion Ratio Lower Upper

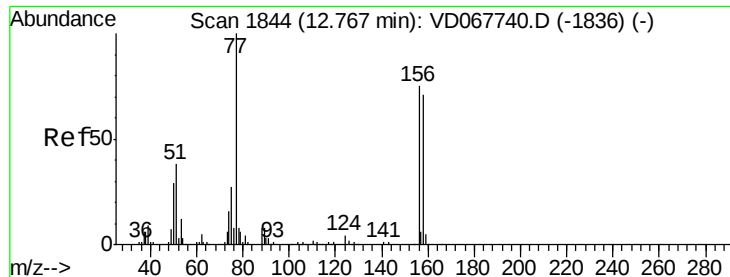
75 100

77 192.4 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: 48.186 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

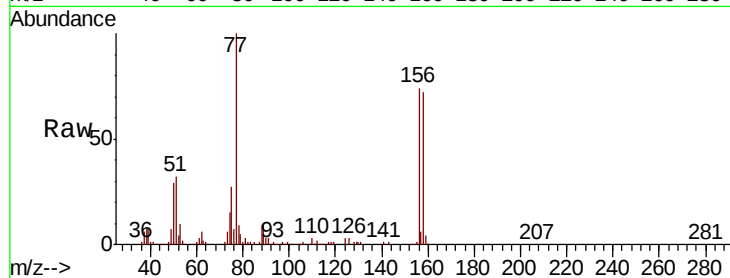
Tot Ion:156 Resp: 150380

Ion Ratio Lower Upper

156 100

77 147.8 73.5 220.3

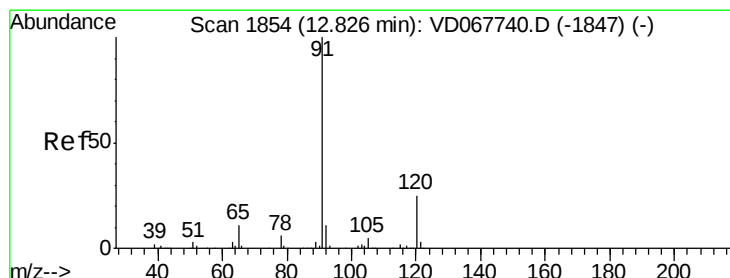
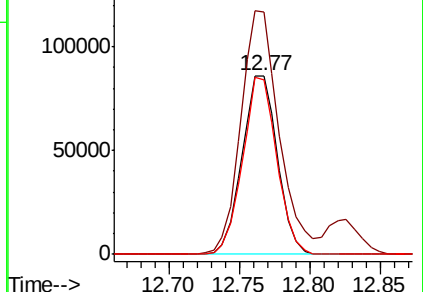
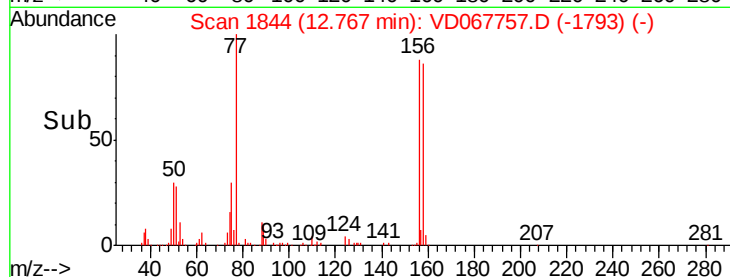
158 96.2 48.1 144.4



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: 47.673 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067757.D

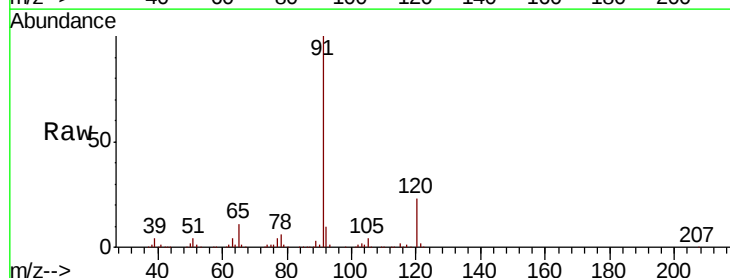
Acq: 23 Nov 2020 20:27

Tgt Ion: 91 Resp: 661234

Ion Ratio Lower Upper

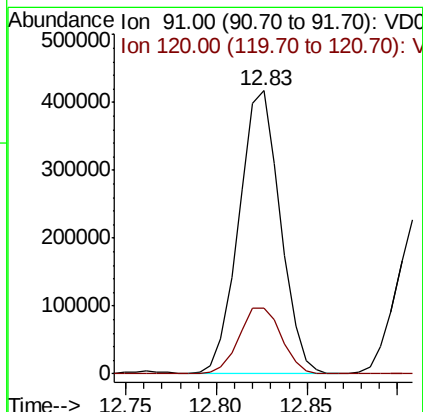
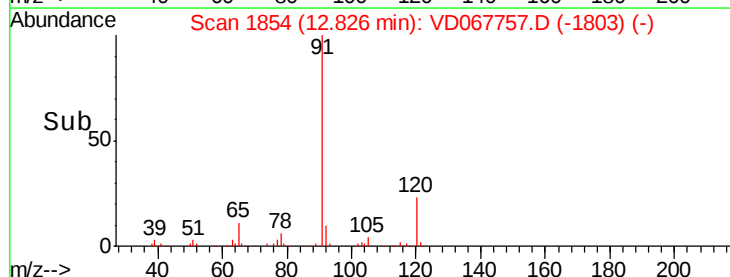
91 100

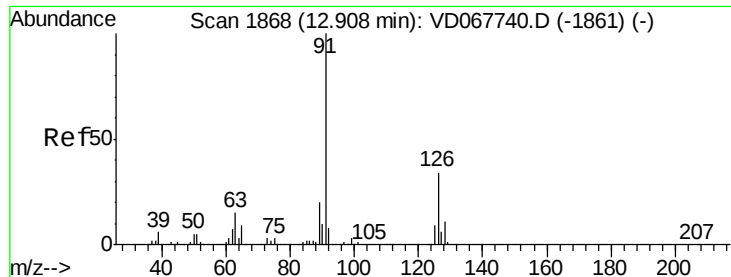
120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

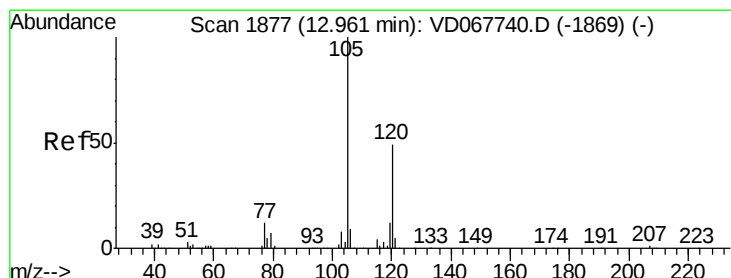
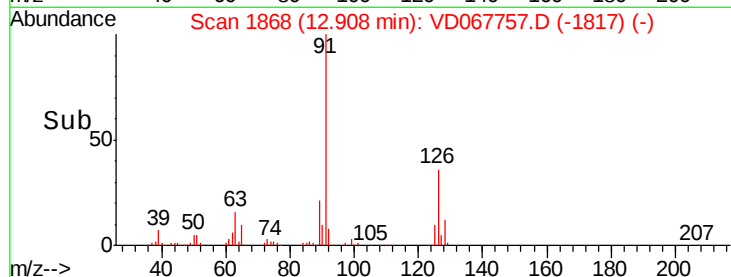
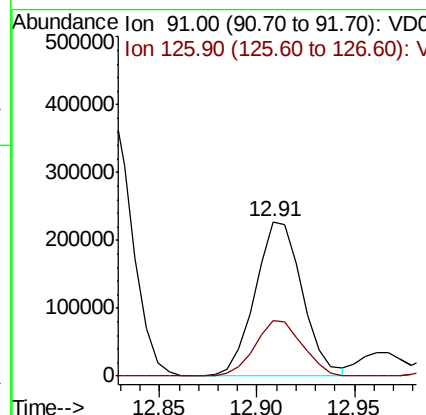
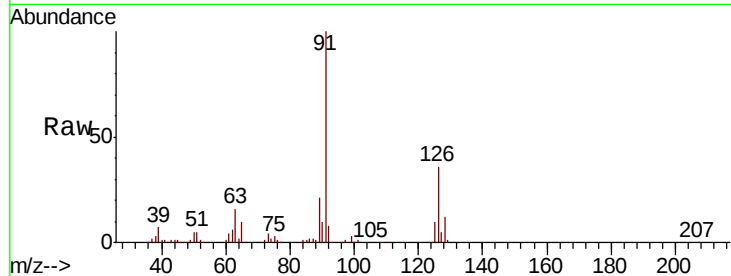




#79
 2-Chlorotoluene
 Concen: 46.377 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

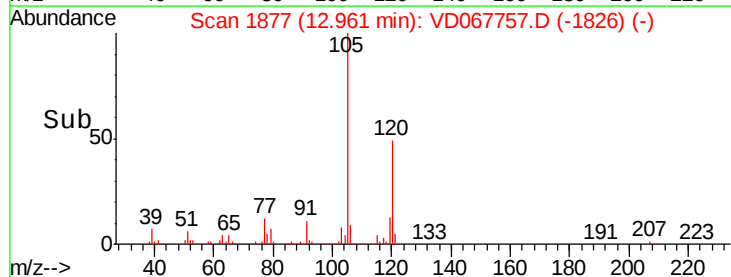
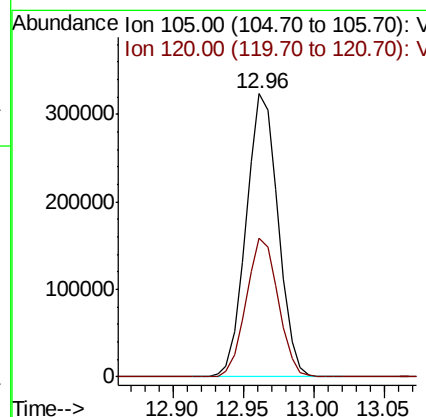
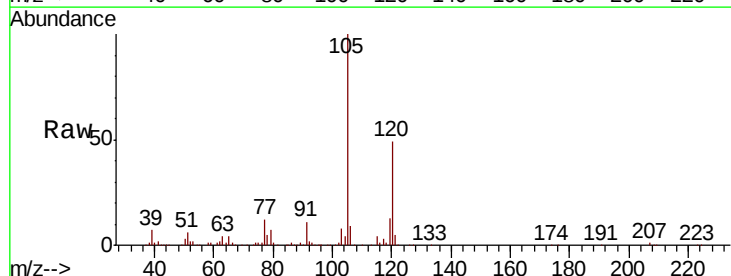
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

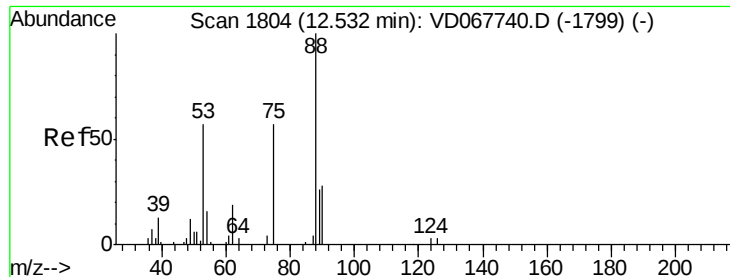
Tot Ion: 91 Resp: 380850
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 47.354 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 105 Resp: 513481
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.9 71.7

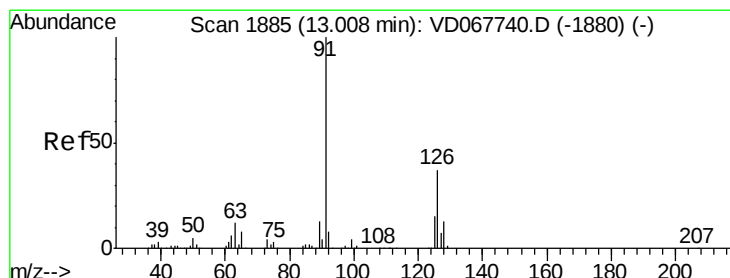
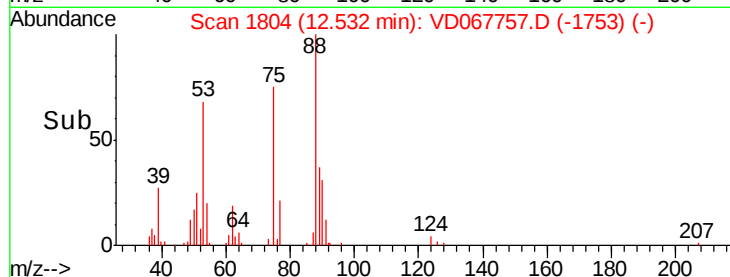
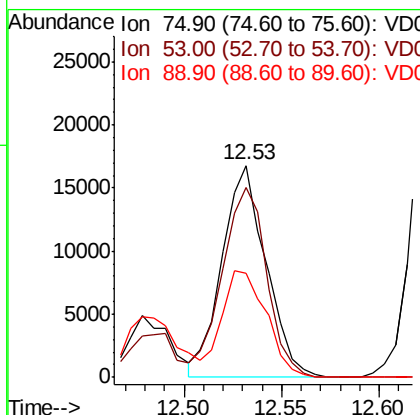
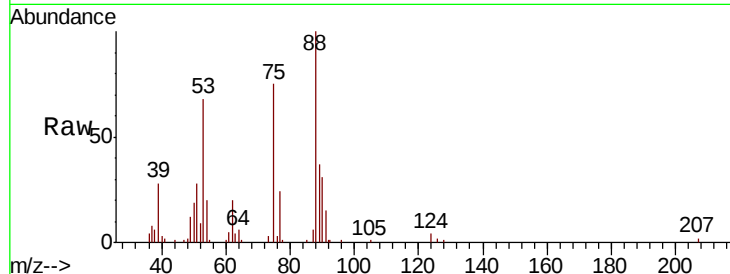




#81
trans-1,4-Dichloro-2-butene
Concen: 46.578 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

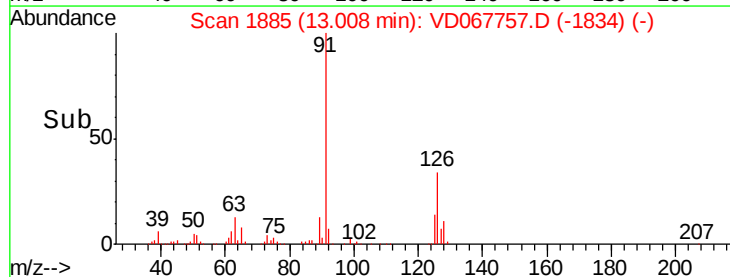
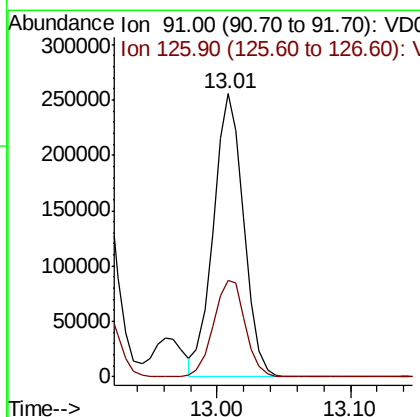
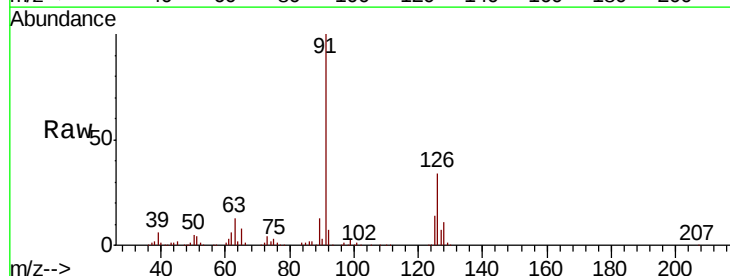
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

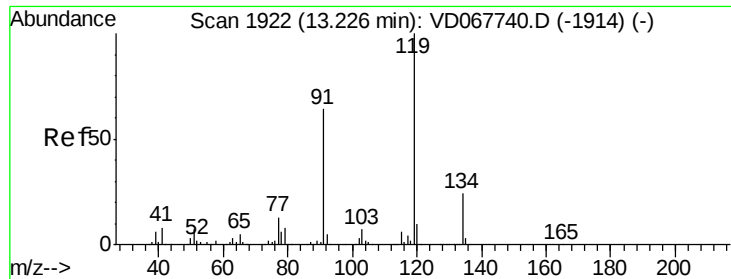
Tot Ion: 75 Resp: 26299
Ion Ratio Lower Upper
75 100
53 90.2 76.0 114.0
89 50.5 40.2 60.4



#82
4-Chlorotoluene
Concen: 46.535 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 91 Resp: 407195
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

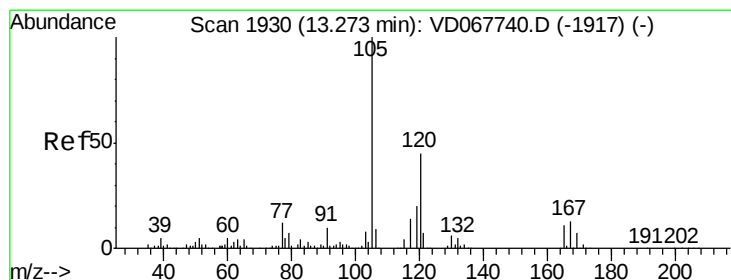
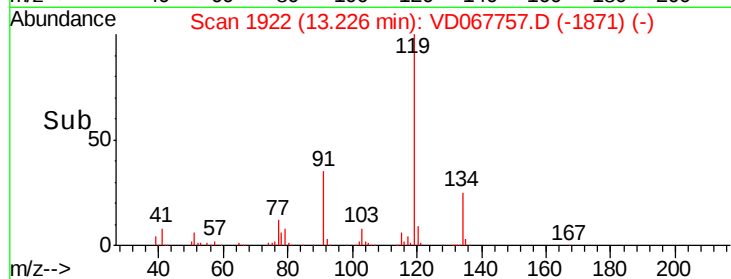
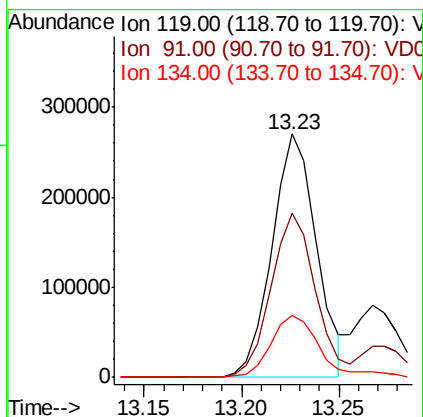
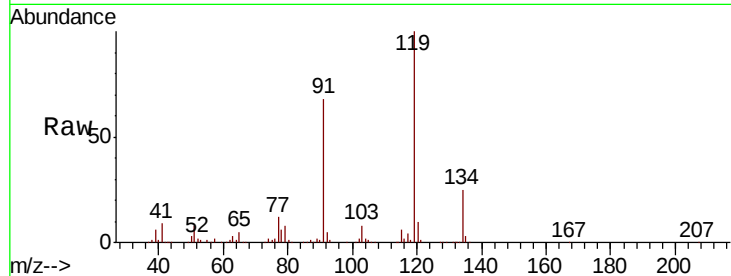




#83
tert-Butylbenzene
Concen: 45.618 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

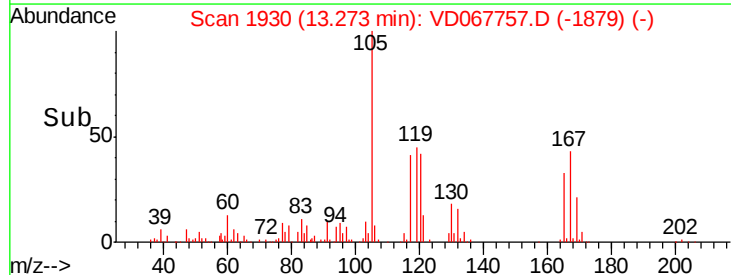
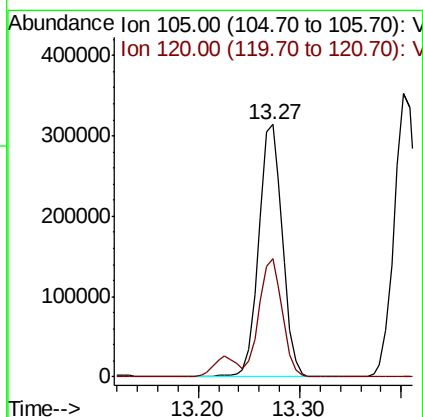
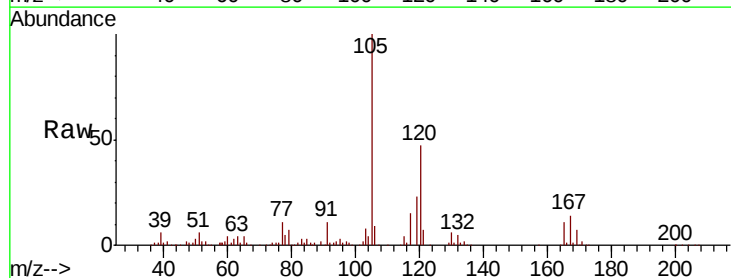
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

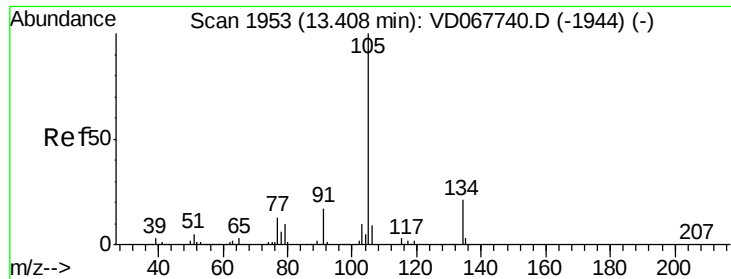
Tot Ion:119 Resp: 425058
Ion Ratio Lower Upper
119 100
91 67.8 32.9 98.7
134 28.3 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 47.115 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion:105 Resp: 510361
Ion Ratio Lower Upper
105 100
120 45.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 45.762 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

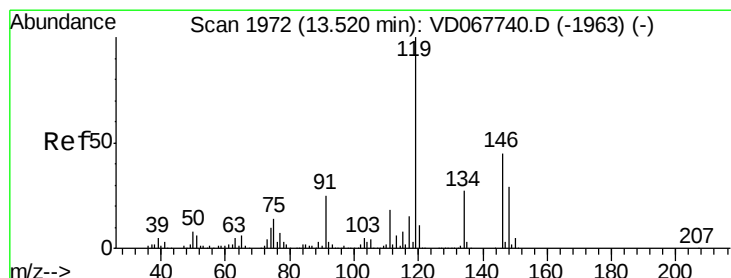
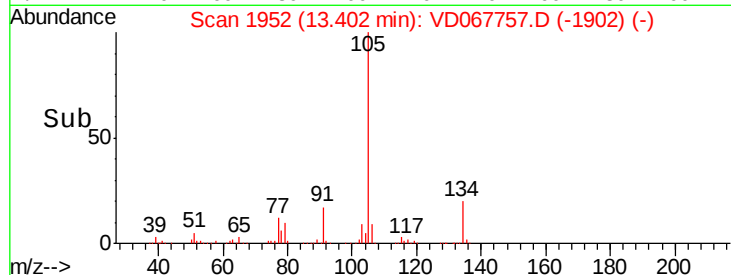
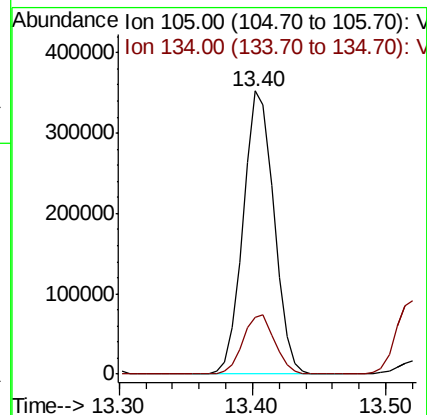
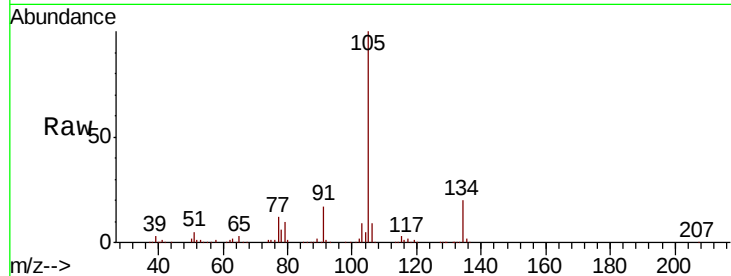
VSTDCCC050EC

Tot Ion:105 Resp: 560179

Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1



#86

p-Isopropyltoluene

Concen: 46.374 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

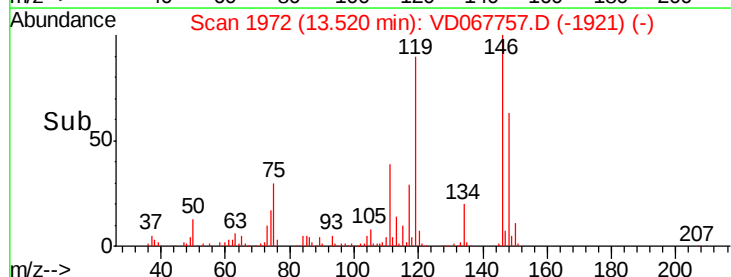
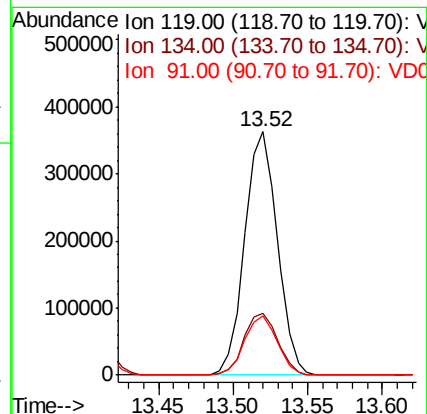
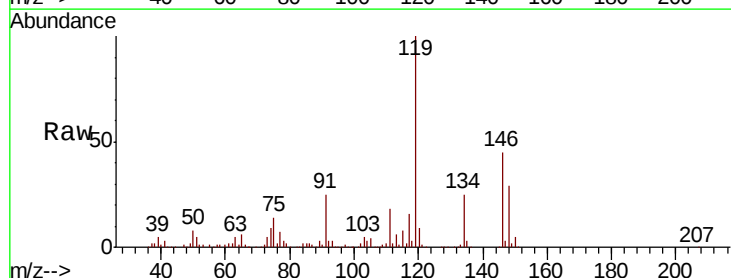
Tgt Ion:119 Resp: 549833

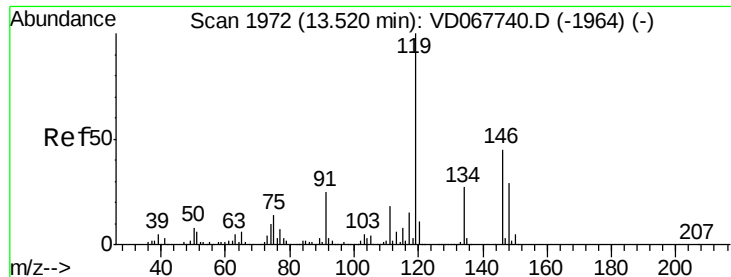
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.5 12.7 38.1

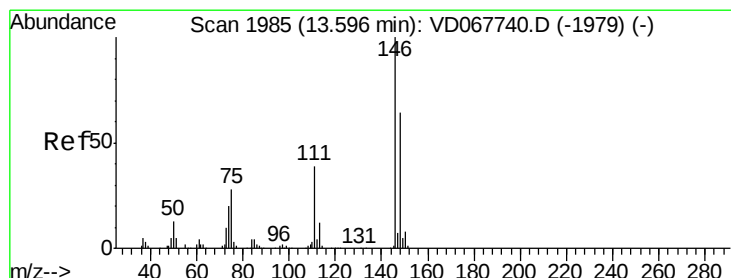
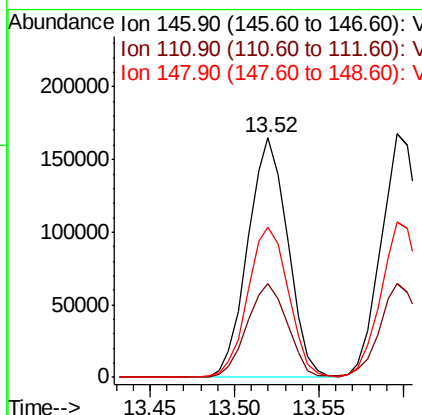
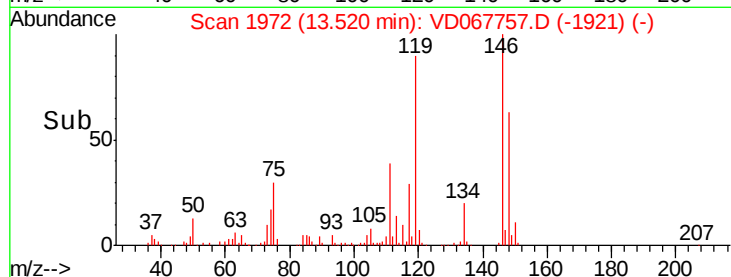
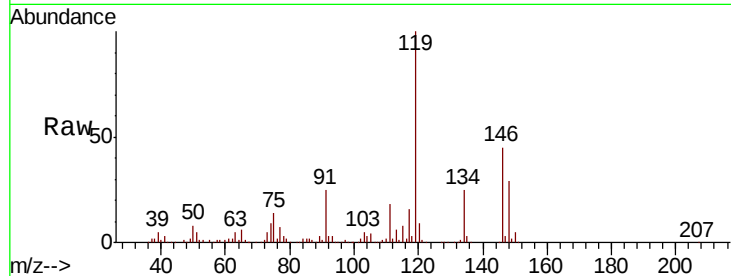




#87
 1,3-Dichlorobenzene
 Concen: 44.952 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

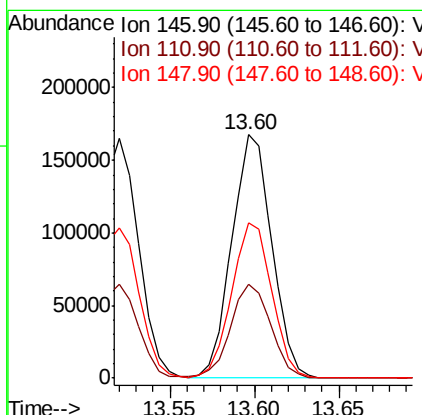
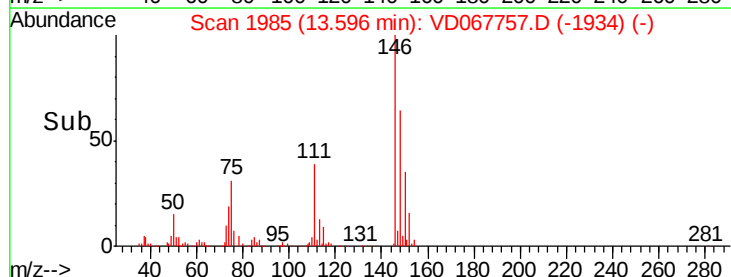
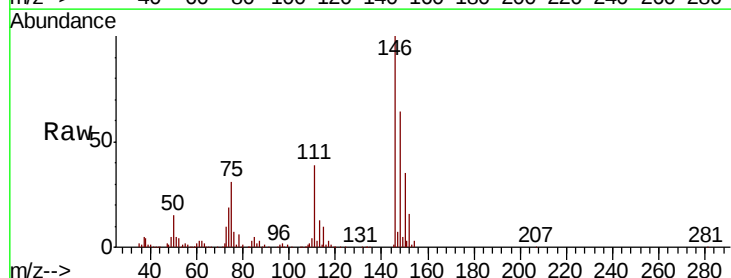
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

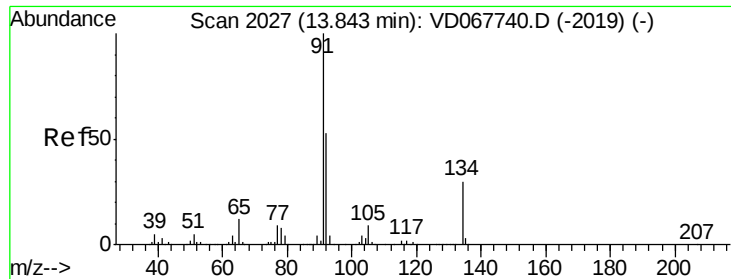
Tot Ion:146 Resp: 271505
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.6
 148 64.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 46.252 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion:146 Resp: 276729
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.4
 148 63.7 31.6 94.8

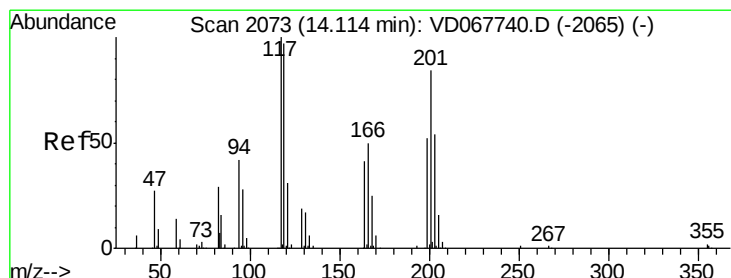
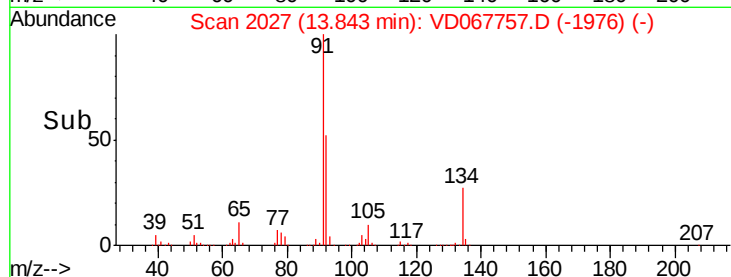
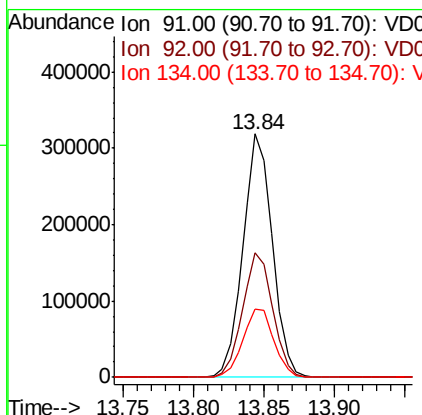
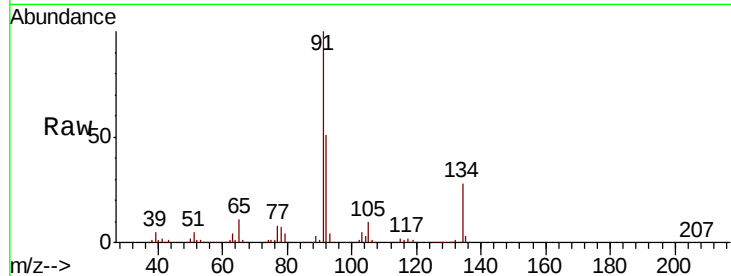




#89
n-Butylbenzene
Concen: 45.712 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

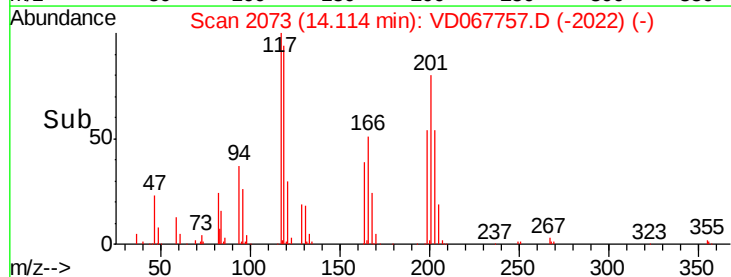
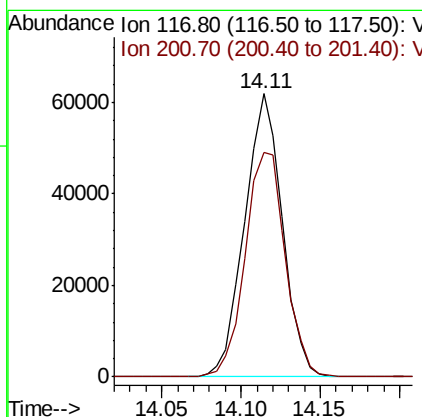
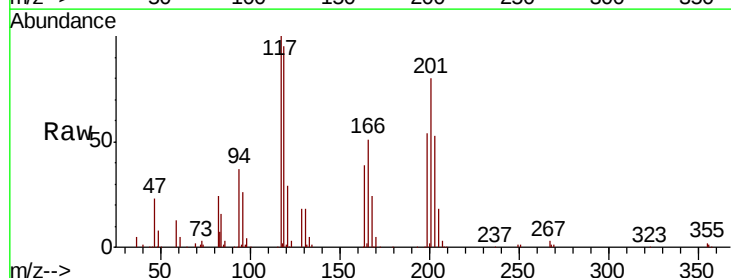
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

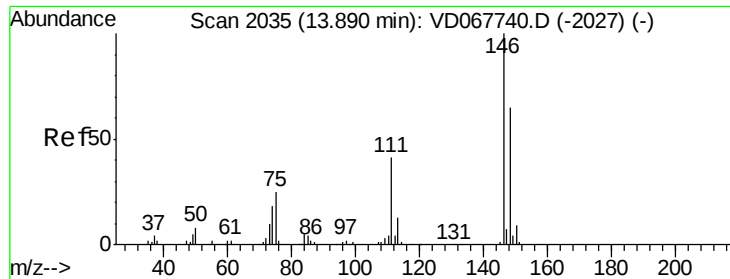
Tot Ion: 91 Resp: 464444
Ion Ratio Lower Upper
91 100
92 52.4 26.6 79.7
134 29.6 14.8 44.3



#90
Hexachloroethane
Concen: 45.294 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067757.D
Acq: 23 Nov 2020 20:27

Tgt Ion: 117 Resp: 102230
Ion Ratio Lower Upper
117 100
201 84.3 42.2 126.6

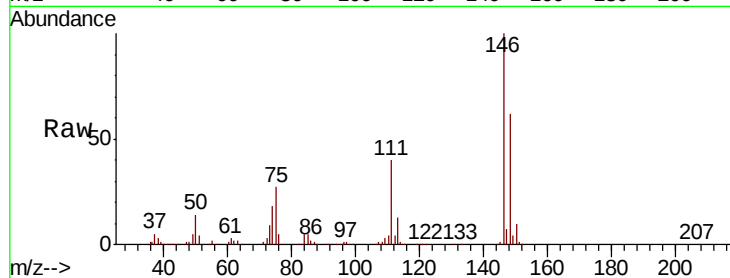




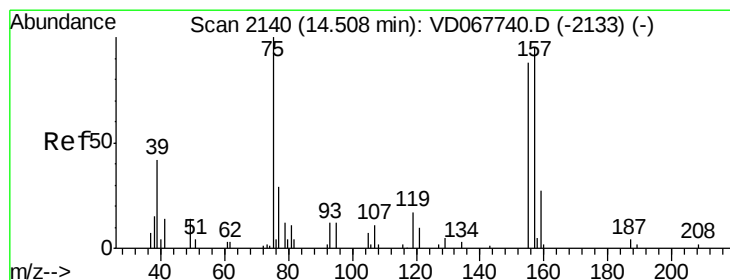
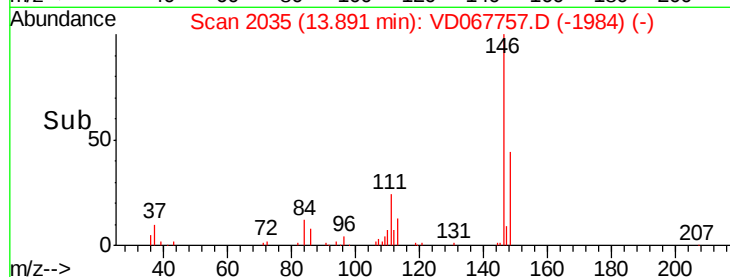
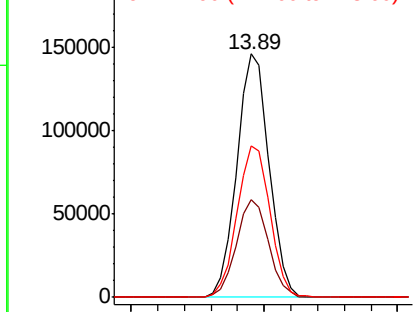
#91
 1,2-Dichlorobenzene
 Concen: 46.850 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 243763
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.8 62.5
 148 63.4 32.4 97.2

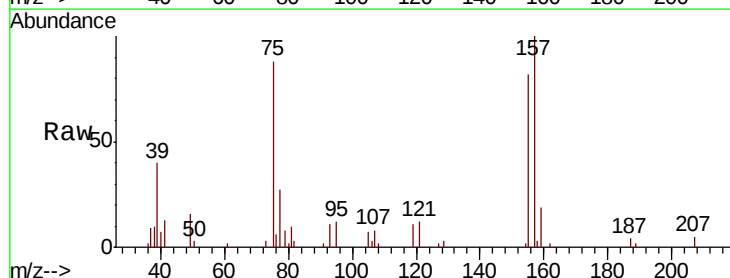


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

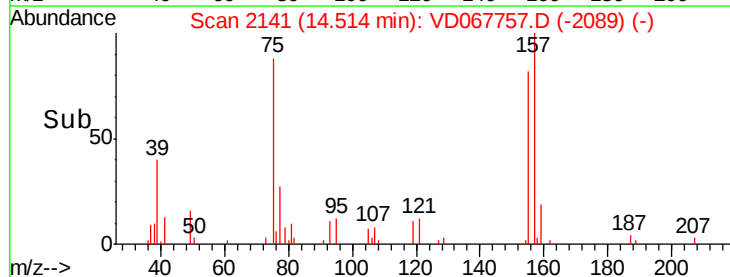
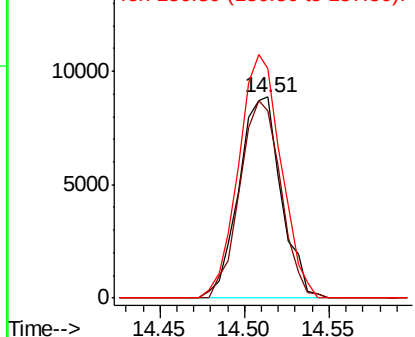


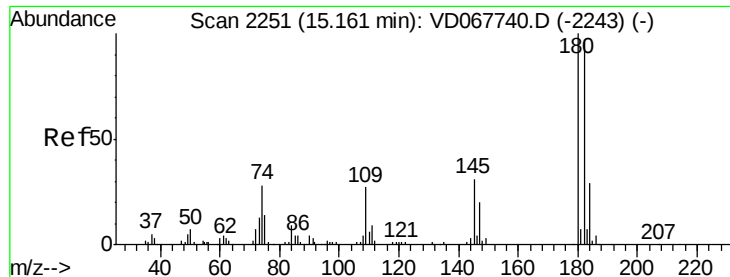
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.861 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion: 75 Resp: 15461
 Ion Ratio Lower Upper
 75 100
 155 95.1 41.0 123.0
 157 121.8 51.1 153.4



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

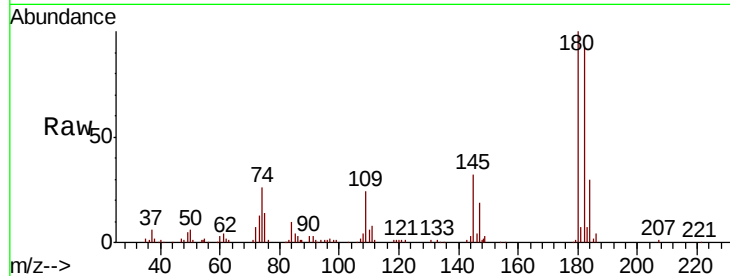




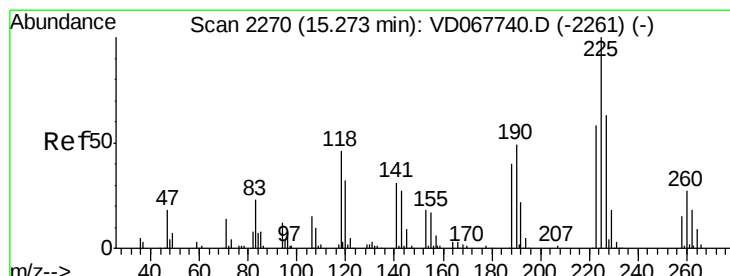
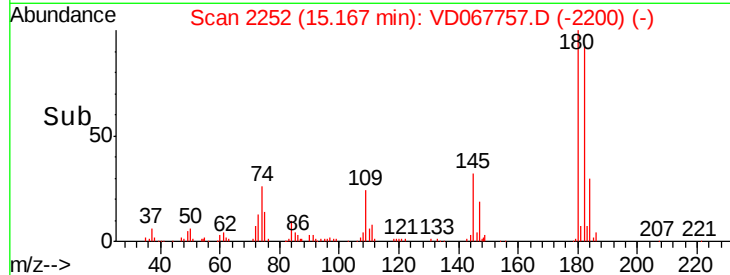
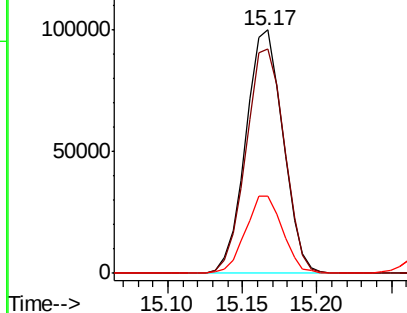
#93
 1,2,4-Trichlorobenzene
 Concen: 46.769 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	31.8	16.1	48.3

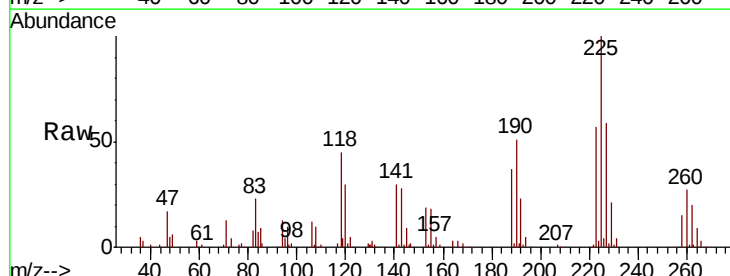


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

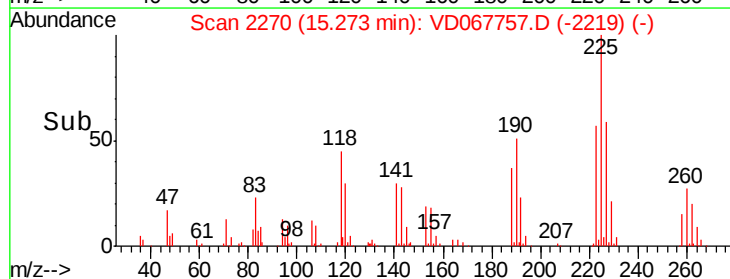
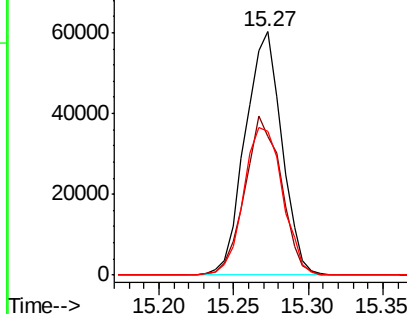


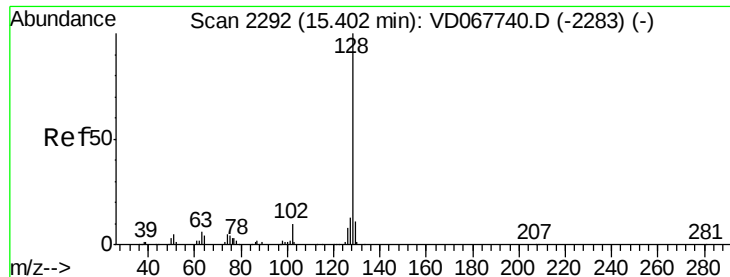
#94
 Hexachlorobutadiene
 Concen: 43.449 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067757.D
 Acq: 23 Nov 2020 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.5	94.5
227	64.6	32.9	98.7



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: 47.297 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

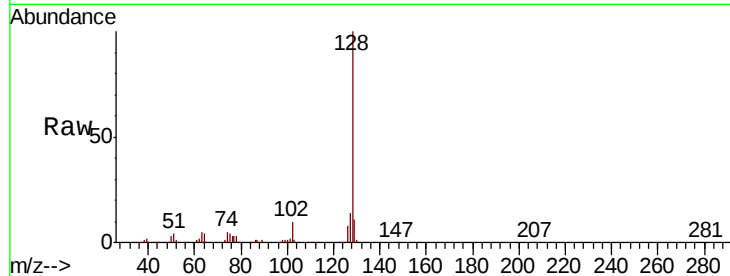
Tot Ion:128 Resp: 281995

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

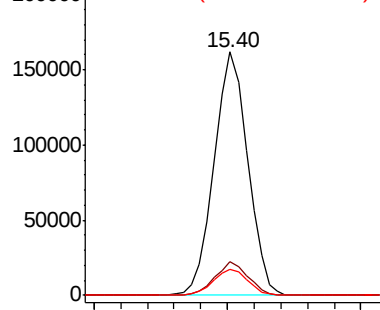
129 11.0 8.6 12.8



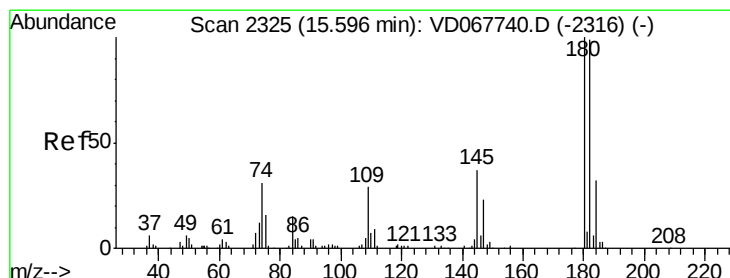
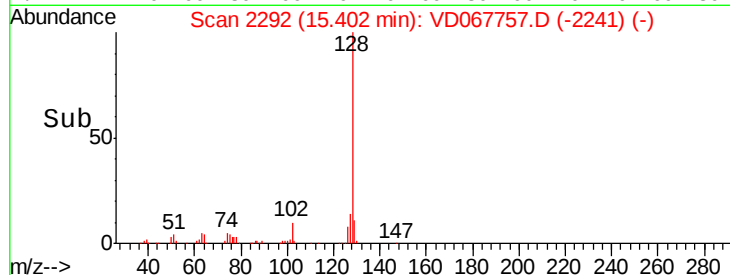
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40



#96

1,2,3-Trichlorobenzene

Concen: 47.415 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067757.D

Acq: 23 Nov 2020 20:27

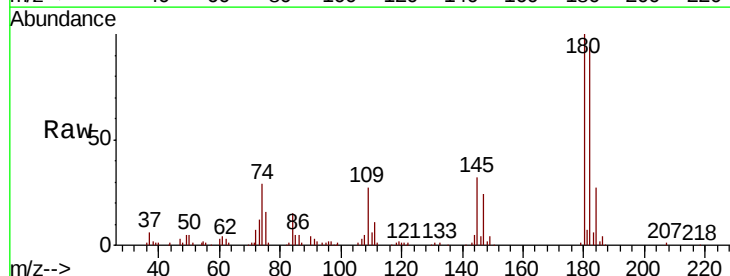
Tgt Ion:180 Resp: 148792

Ion Ratio Lower Upper

180 100

182 94.9 48.0 144.0

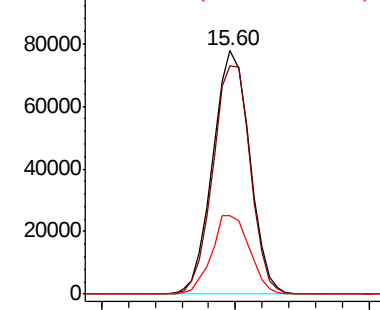
145 33.3 16.8 50.4



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



Time--> 15.50 15.60

