

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\
 Data File : VV018757.D
 Acq On : 08 Oct 2020 10:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB60

Quant Time: Oct 09 07:12:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	341389	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	366658	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	108267	54.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.14%
7) Chloroethane-d5	1.58	69	92512	55.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.76%
11) 1,1-Dichloroethene-d2	2.12	63	233820	57.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.64%
21) 2-Butanone-d5	3.90	46	160398	107.40	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.40%
24) Chloroform-d	4.37	84	229851	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
26) 1,2-Dichloroethane-d4	5.05	65	152385	55.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.88%
32) Benzene-d6	5.07	84	433561	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
36) 1,2-Dichloropropane-d6	6.09	67	129853	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.54%
41) Toluene-d8	7.33	98	368438	42.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.34%
43) trans-1,3-Dichloropropene-	7.64	79	68140	44.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.90%
47) 2-Hexanone-d5	8.10	63	95545	89.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.64%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	156891	42.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	149456	43.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	102827	44.298	ug/L	100
3) Chloromethane	1.25	50	139267	56.071	ug/L	100
5) Vinyl chloride	1.32	62	142984	54.754	ug/L	99
6) Bromomethane	1.53	94	85528	48.122	ug/L	97
8) Chloroethane	1.59	64	91910	57.114	ug/L	99
9) Trichlorofluoromethane	1.76	101	206338	51.988	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	116179	52.300	ug/L	95
12) 1,1-Dichloroethene	2.13	96	110491	51.846	ug/L	87
13) Acetone	2.18	43	169209	131.140	ug/L	96
14) Carbon disulfide	2.31	76	322690	46.742	ug/L	100
15) Methyl Acetate	2.44	43	135660	54.574	ug/L	94
16) Methylene chloride	2.52	84	123903	48.441	ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	109816	45.033	ug/L	89
18) Methyl tert-butyl Ether	2.78	73	370046	49.805	ug/L	98
19) 1,1-Dichloroethane	3.21	63	222143	52.027	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	120812	46.617	ug/L	88
22) 2-Butanone	3.98	43	199233	122.231	ug/L	96

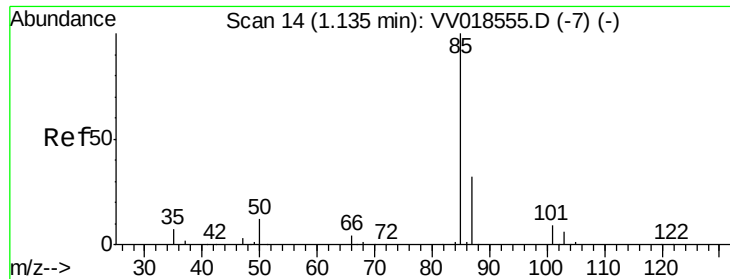
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66012	46.321	ug/L #	83
25) Chloroform	4.40	83	248831	55.192	ug/L	98
27) 1,2-Dichloroethane	5.15	62	195858	55.736	ug/L	99
29) Cyclohexane	4.70	56	212514	50.818	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	212442	46.671	ug/L	97
31) Carbon tetrachloride	4.85	117	184159	45.079	ug/L	100
33) Benzene	5.12	78	513525	47.673	ug/L	100
34) Trichloroethene	5.93	95	137216	43.877	ug/L	95
35) Methylcyclohexane	6.15	83	169307	40.133	ug/L	92
37) 1,2-Dichloropropane	6.19	63	130264	47.135	ug/L	99
38) Bromodichloromethane	6.53	83	171810	46.421	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	202022	46.591	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	372972	104.587	ug/L	96
42) Toluene	7.41	91	518633	44.507	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	204881	48.101	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	121458	44.395	ug/L	99
46) Tetrachloroethene	7.99	164	102231	40.295	ug/L	98
48) 2-Hexanone	8.15	43	299845	107.763	ug/L	95
49) Dibromochloromethane	8.26	129	133612	42.699	ug/L	100
50) 1,2-Dibromoethane	8.37	107	128674	44.236	ug/L	100
51) Chlorobenzene	8.90	112	362279	45.955	ug/L	95
52) Ethylbenzene	9.03	91	617714	47.467	ug/L	98
53) m,p-Xylene	9.16	106	233217	46.372	ug/L	99
54) o-xylene	9.56	106	219268	46.050	ug/L	96
55) Styrene	9.58	104	389746	47.009	ug/L	93
56) Isopropylbenzene	9.95	105	546152	42.768	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	164020	42.533	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	155309	46.201	ug/L	100
61) Bromoform	9.75	173	96064	46.453	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	267389	45.892	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	272930	45.490	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	263502	45.715	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37281	47.379	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	174958	43.350	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	167646	44.639	ug/L	99
69) Naphthalene	13.52	128	521025	48.465	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	172335	45.711	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.298 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

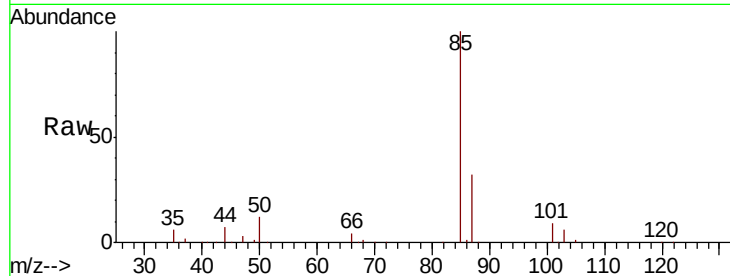
BFB60

Tot Ion: 85 Resp: 102827

Ion Ratio Lower Upper

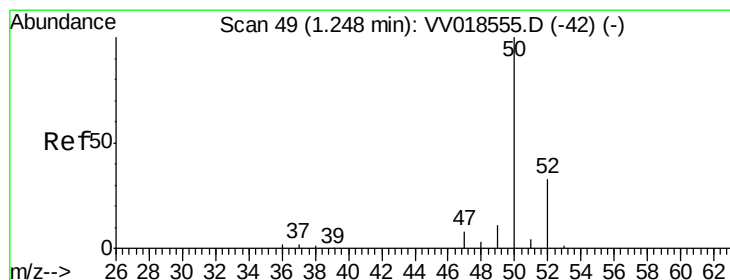
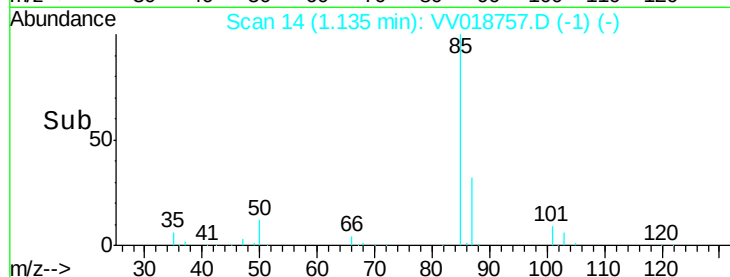
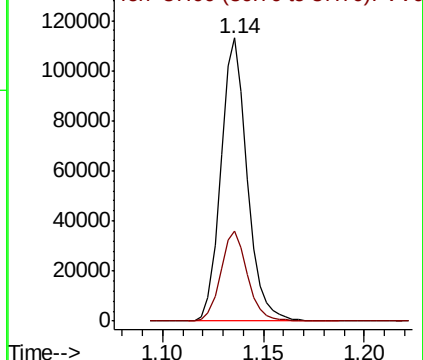
85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 56.071 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018757.D

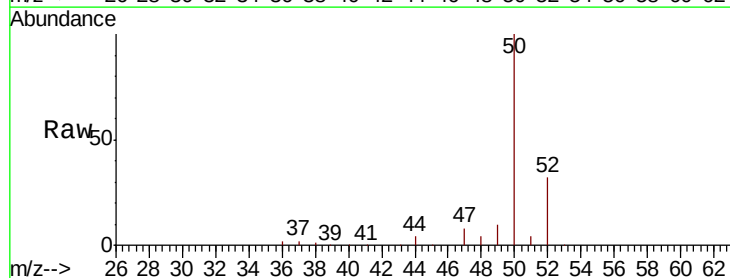
Acq: 08 Oct 2020 10:47

Tgt Ion: 50 Resp: 139267

Ion Ratio Lower Upper

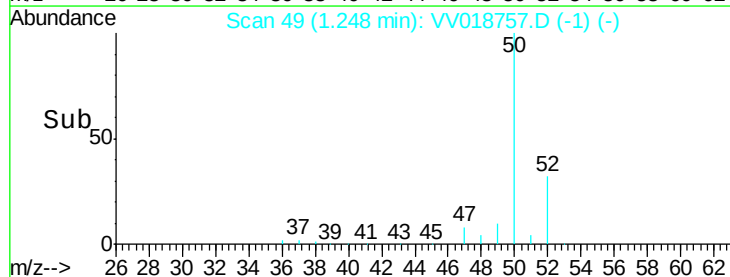
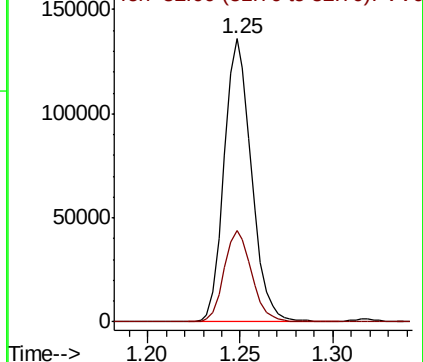
50 100

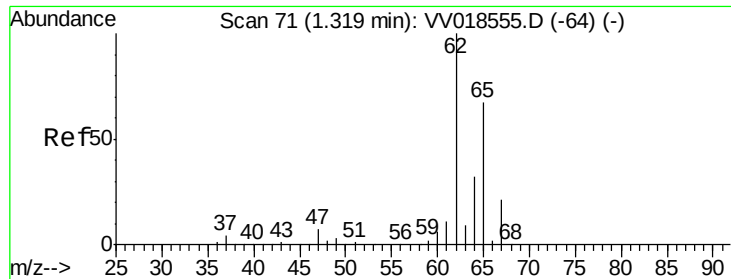
52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 54.754 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

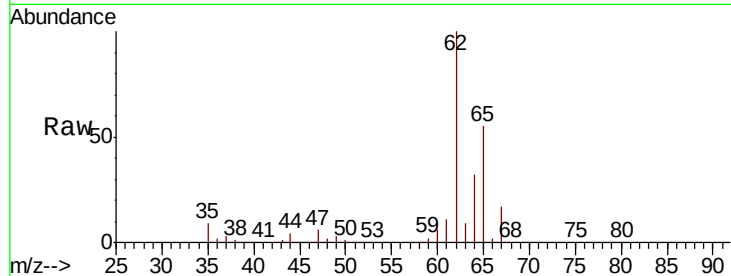
BFB60

Tot Ion: 62 Resp: 142984

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

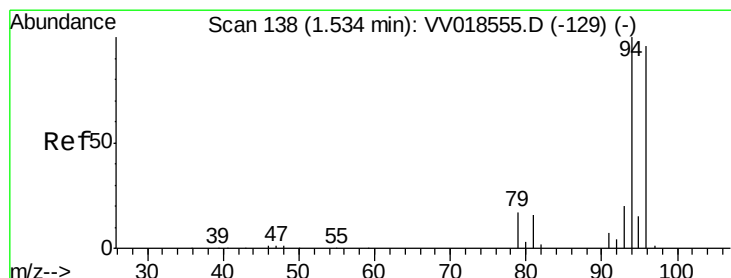
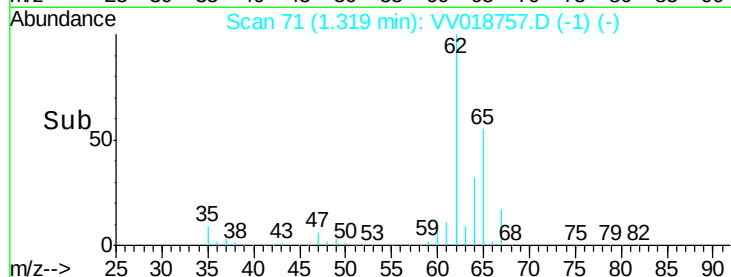
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.122 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018757.D

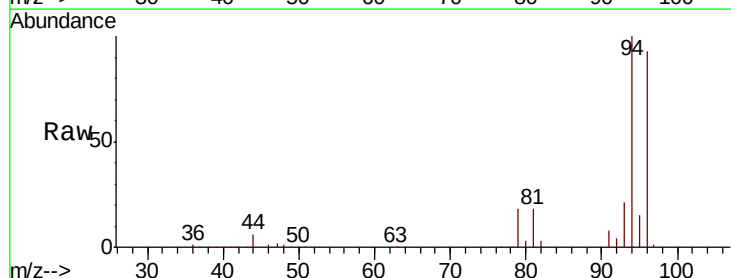
Acq: 08 Oct 2020 10:47

Tgt Ion: 94 Resp: 85528

Ion Ratio Lower Upper

94 100

96 93.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

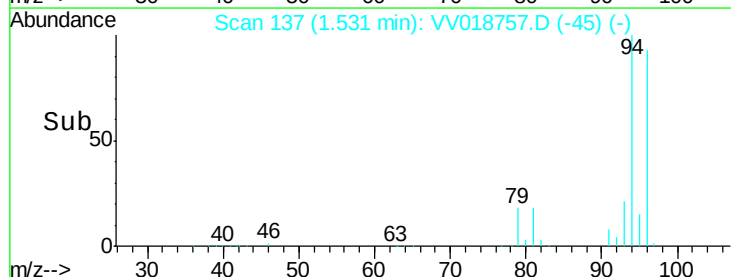
60000

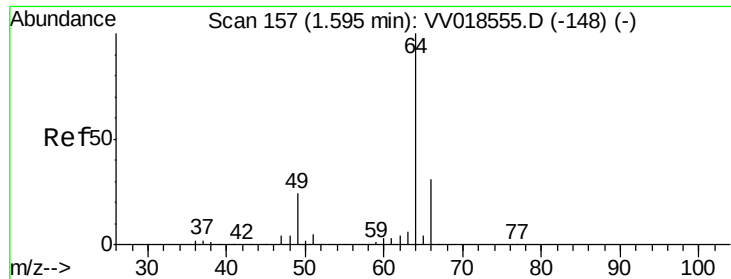
40000

20000

0

Time-->

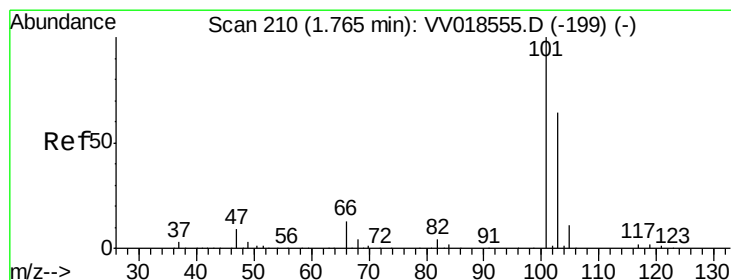
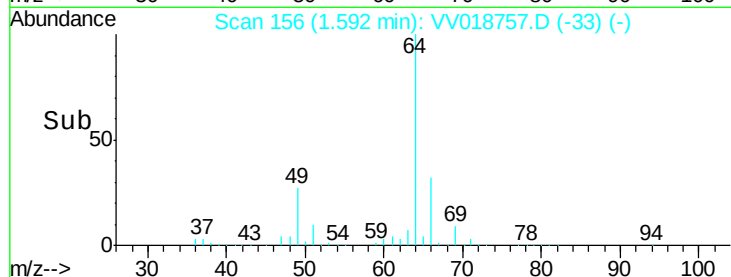
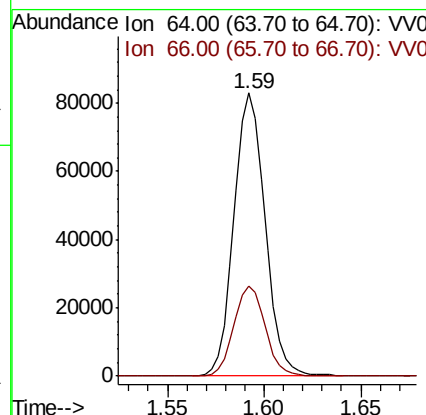
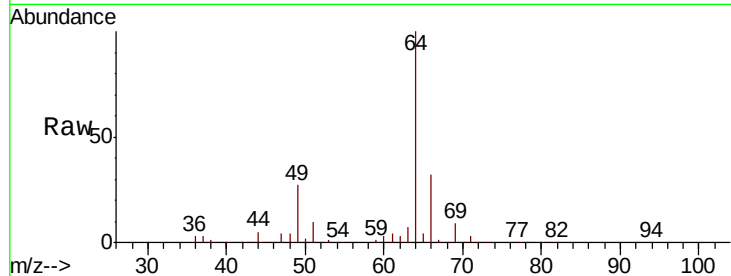




#8
Chloroethane
Concen: 57.114 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

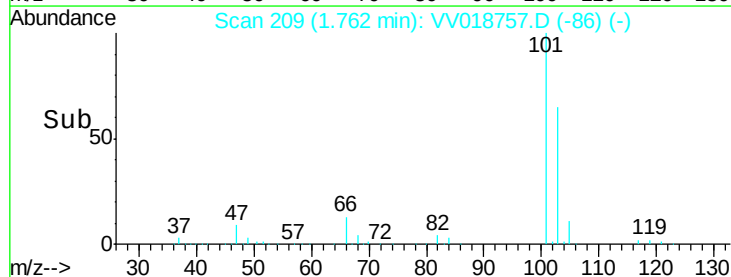
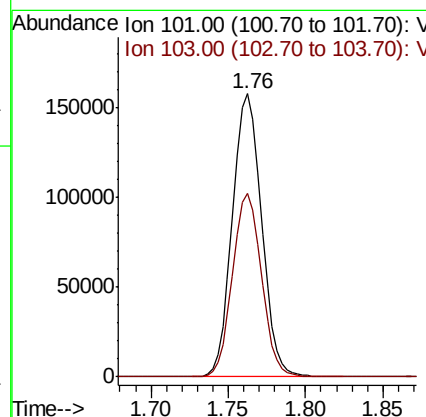
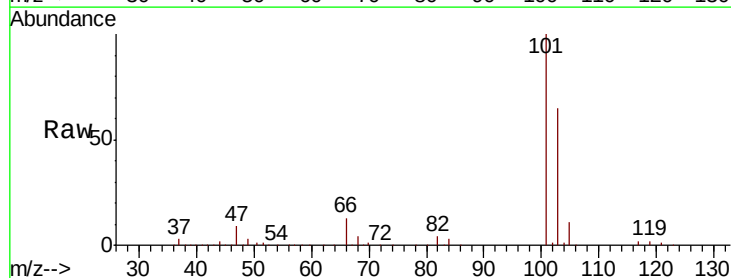
Instrument :
MSVOA_V
ClientSampleId :
BFB60

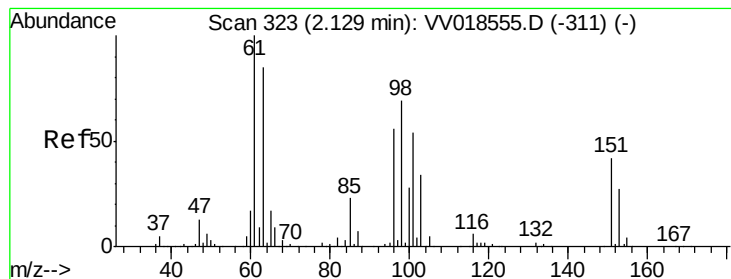
Tot Ion: 64 Resp: 91910
Ion Ratio Lower Upper
64 100
66 32.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 51.988 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Tgt Ion: 101 Resp: 206338
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.300 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

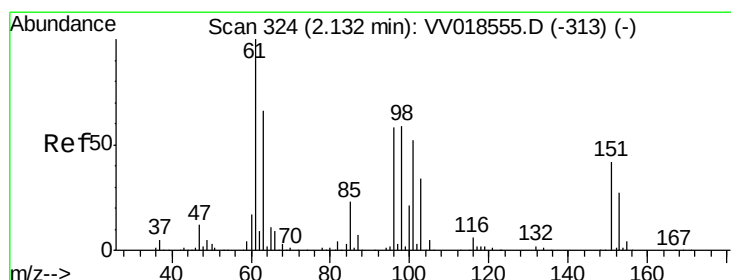
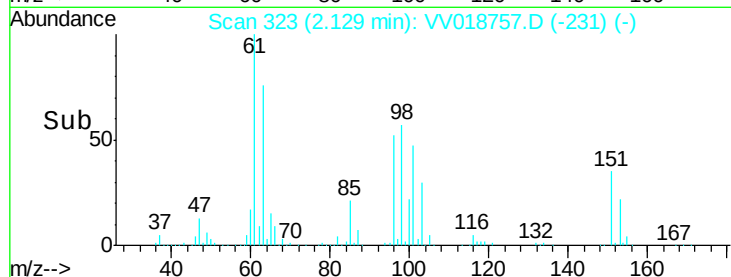
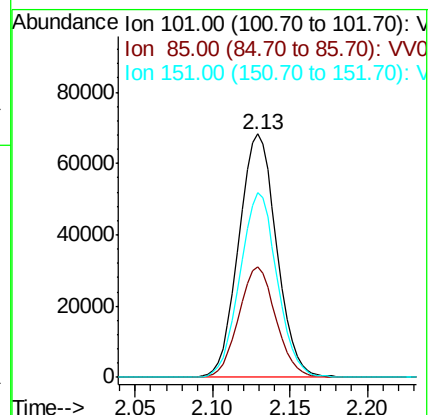
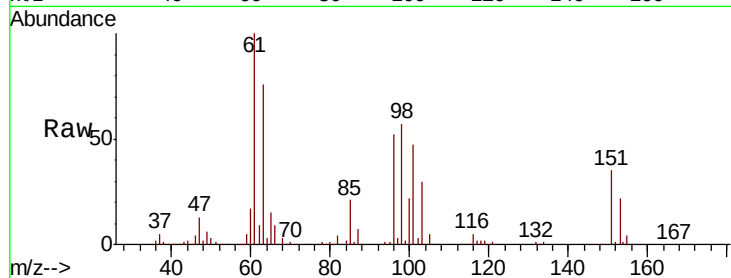
Tot Ion:101 Resp: 116179

Ion Ratio Lower Upper

101 100

85 44.5 34.6 52.0

151 74.4 64.3 96.5



#12

1,1-Dichloroethene

Concen: 51.846 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

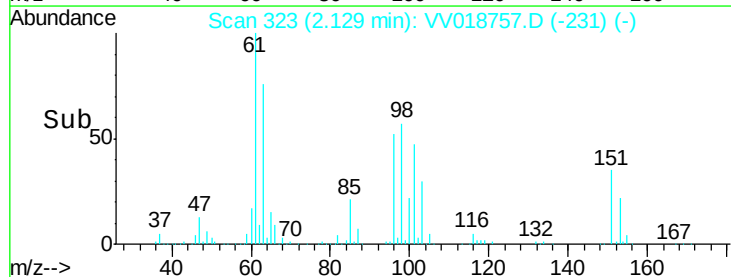
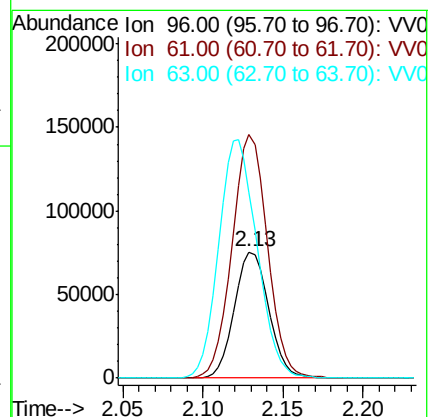
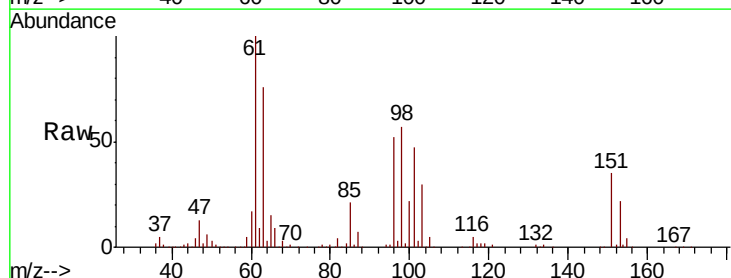
Tgt Ion: 96 Resp: 110491

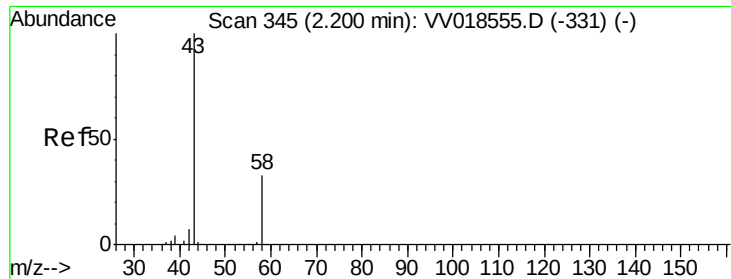
Ion Ratio Lower Upper

96 100

61 192.5 122.8 228.1

63 146.8 91.9 170.7





#13

Acetone

Concen: 131.140 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.02 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampled :

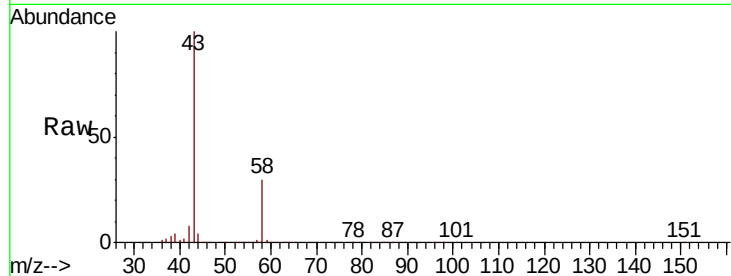
BFB60

Tot Ion: 43 Resp: 169209

Ion Ratio Lower Upper

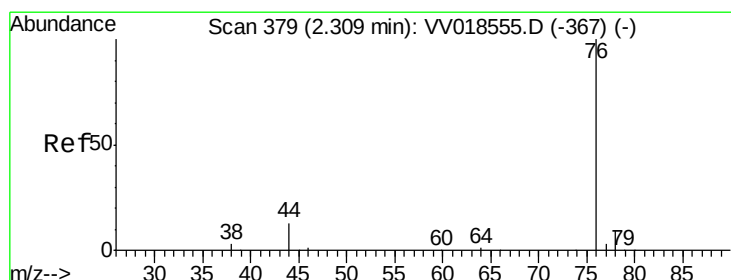
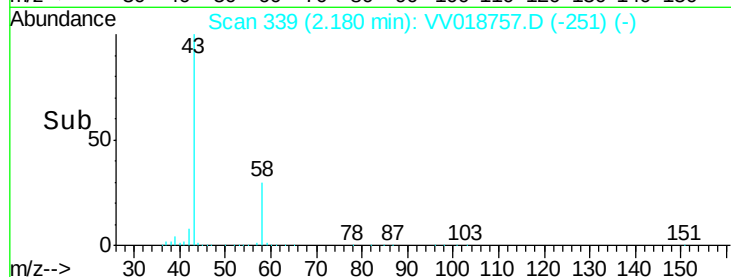
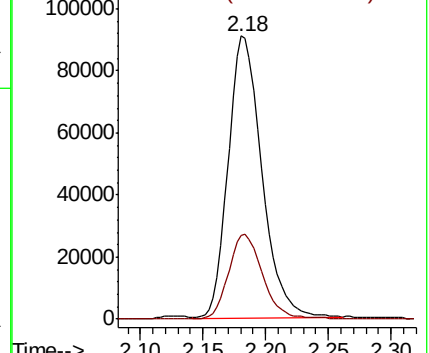
43 100

58 29.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 46.742 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV018757.D

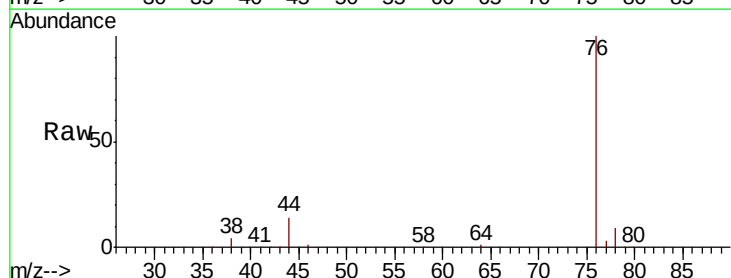
Acq: 08 Oct 2020 10:47

Tgt Ion: 76 Resp: 322690

Ion Ratio Lower Upper

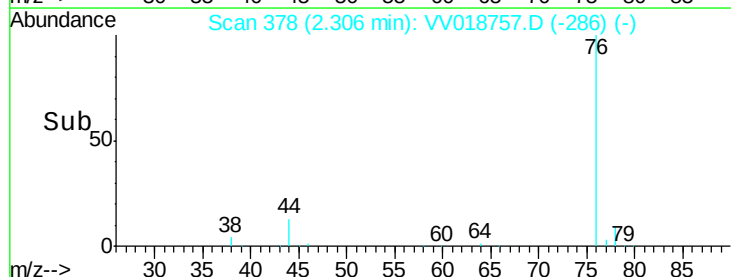
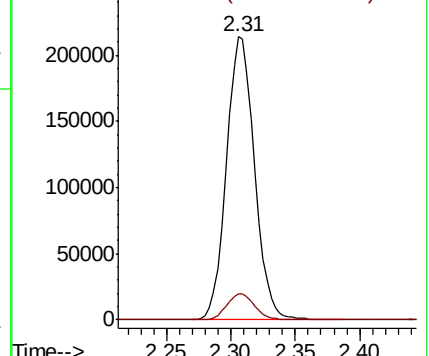
76 100

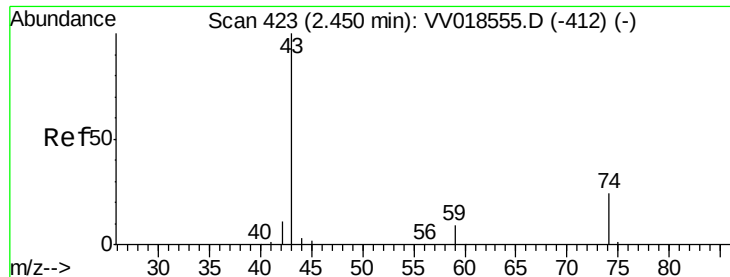
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 54.574 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

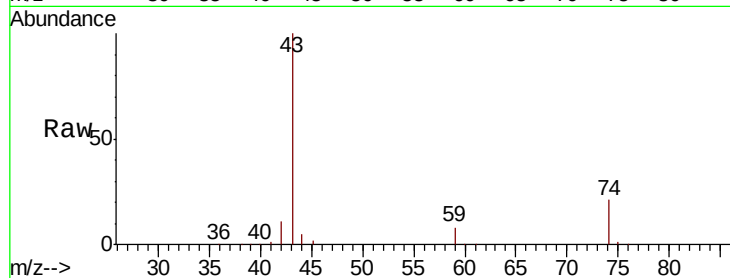
BFB60

Tot Ion: 43 Resp: 135660

Ion Ratio Lower Upper

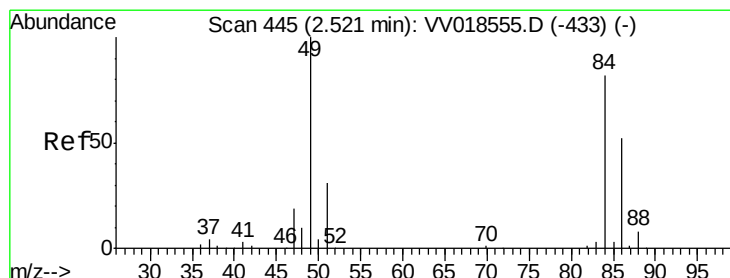
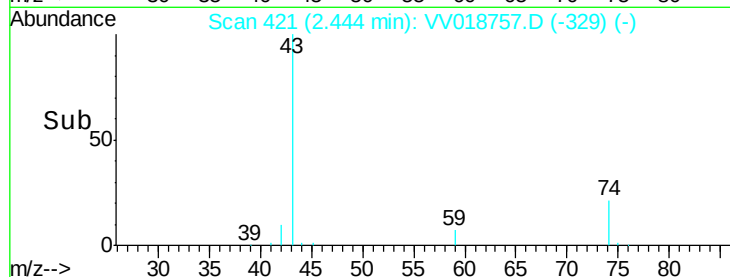
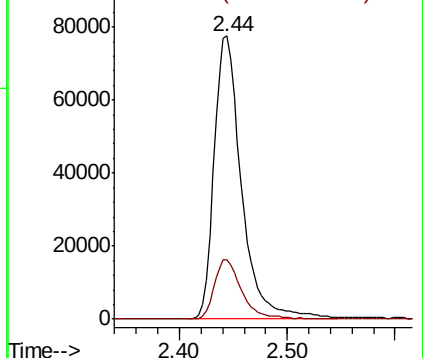
43 100

74 21.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.441 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

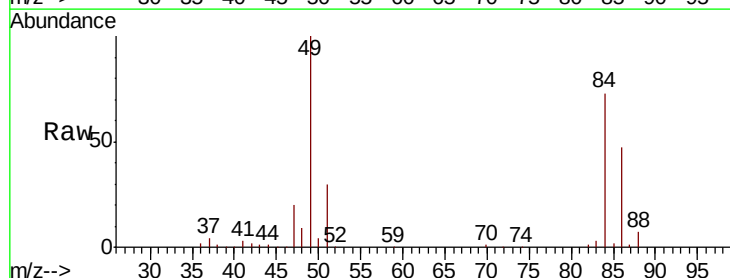
Tgt Ion: 84 Resp: 123903

Ion Ratio Lower Upper

84 100

86 63.8 46.2 85.8

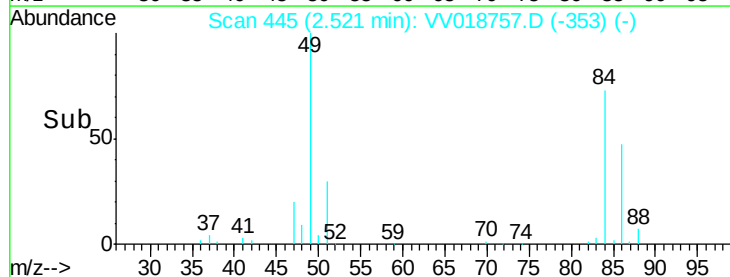
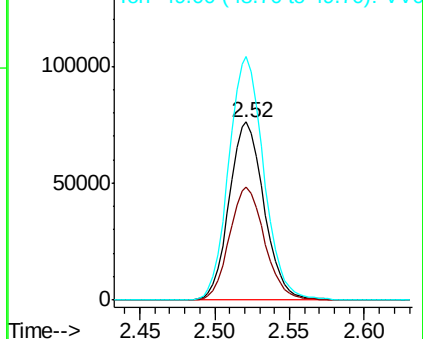
49 136.9 86.6 160.8

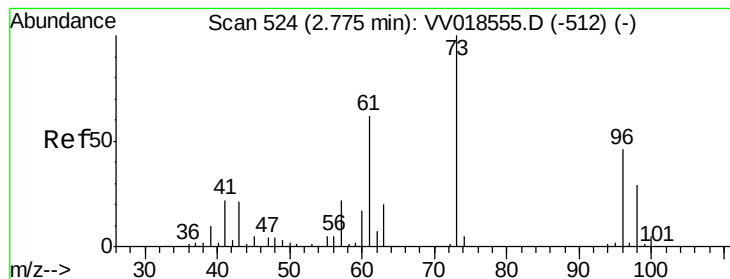


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.033 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

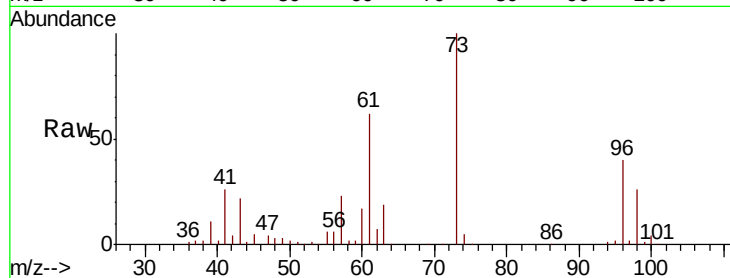
Tot Ion: 96 Resp: 109816

Ion Ratio Lower Upper

96 100

61 154.3 95.0 176.4

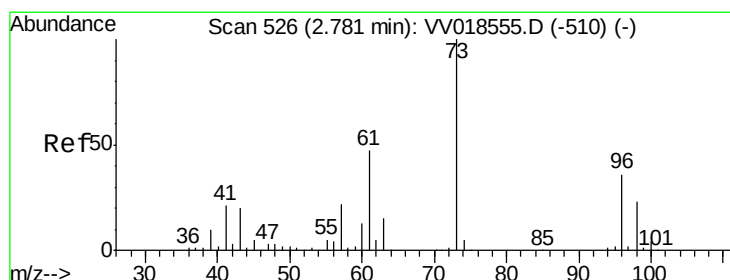
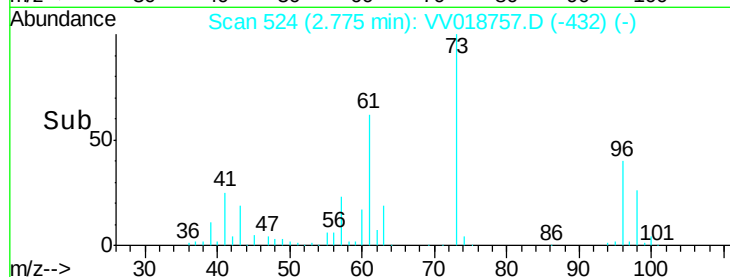
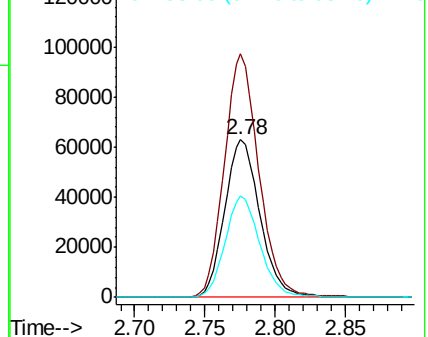
98 64.2 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.805 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

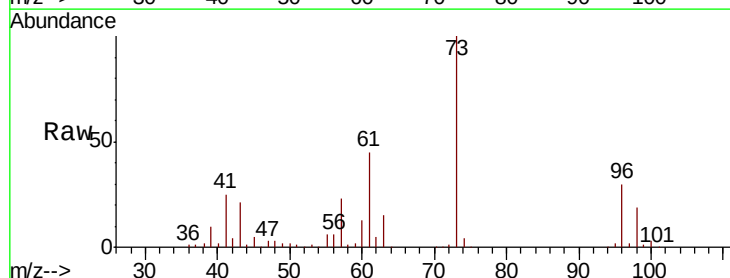
Tgt Ion: 73 Resp: 370046

Ion Ratio Lower Upper

73 100

43 21.1 15.9 23.9

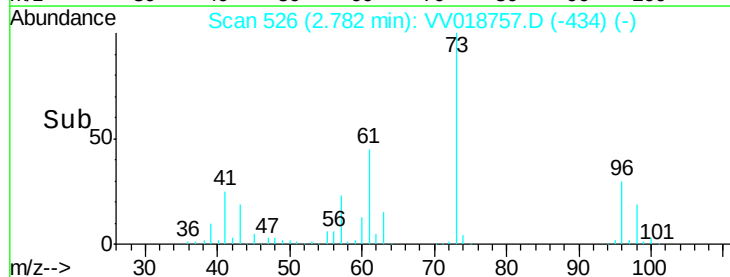
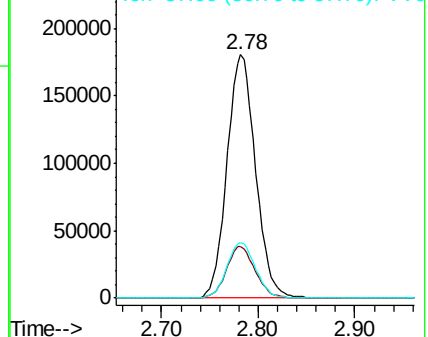
57 22.8 17.5 26.3

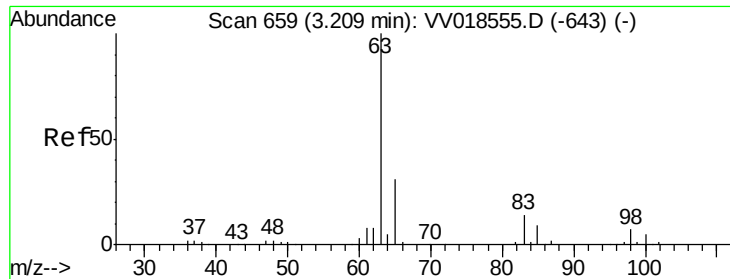


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

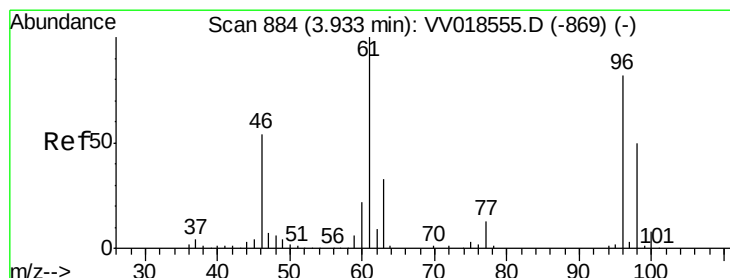
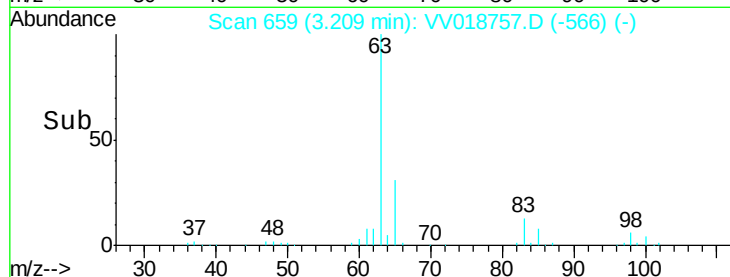
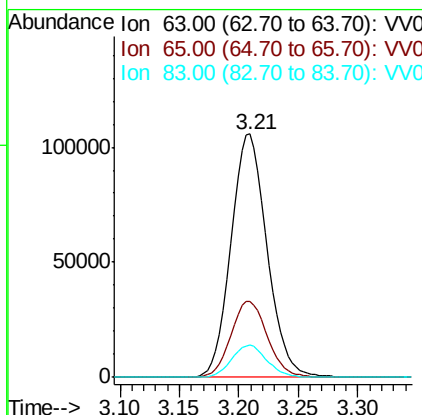
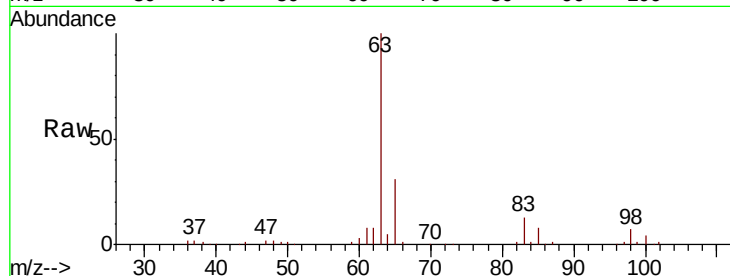




#19
 1,1-Dichloroethane
 Concen: 52.027 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

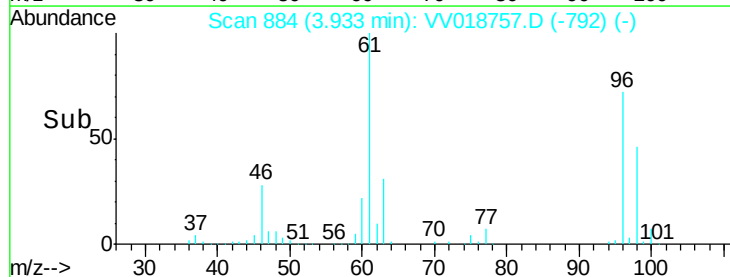
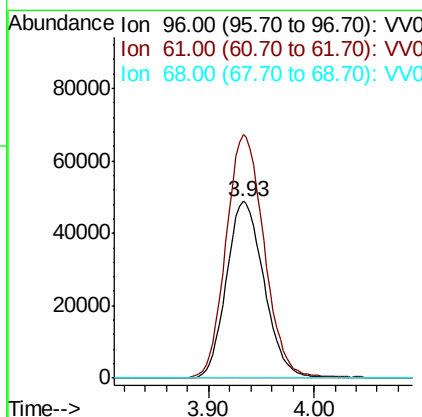
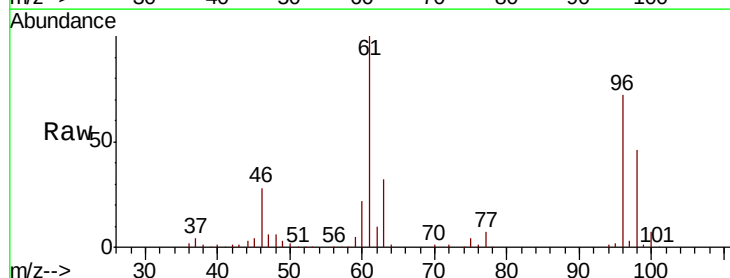
Instrument :
 MSVOA_V
 ClientSampled :
 BFB60

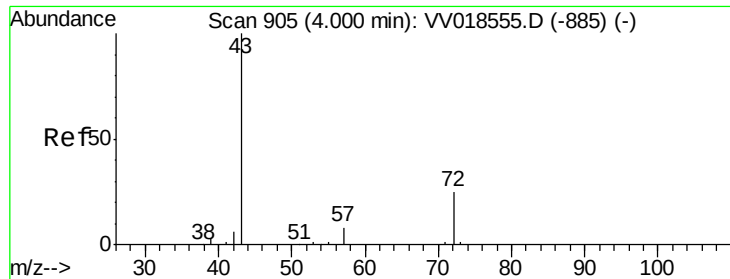
Tot Ion: 63 Resp: 222143
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.3 41.3
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 46.617 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

Tgt Ion: 96 Resp: 120812
 Ion Ratio Lower Upper
 96 100
 61 137.9 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 122.231 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

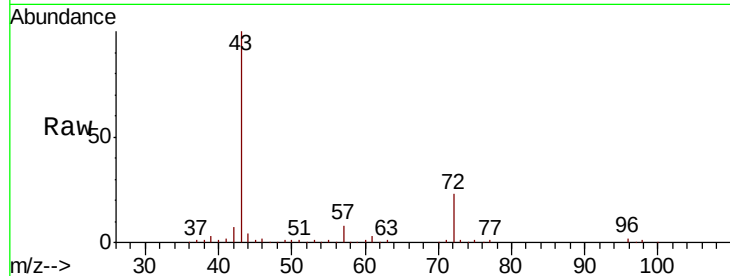
BFB60

Tot Ion: 43 Resp: 199233

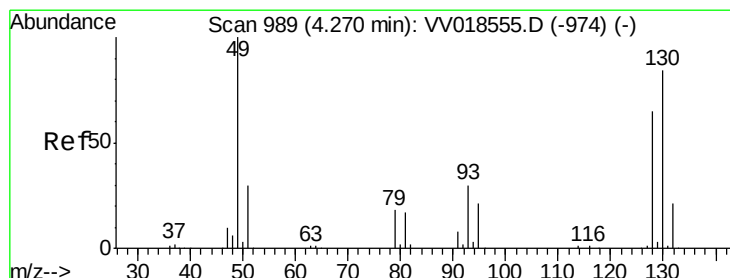
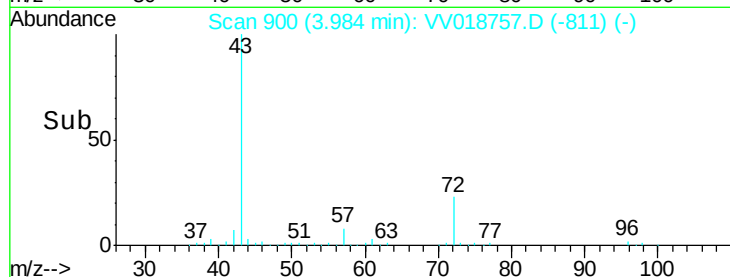
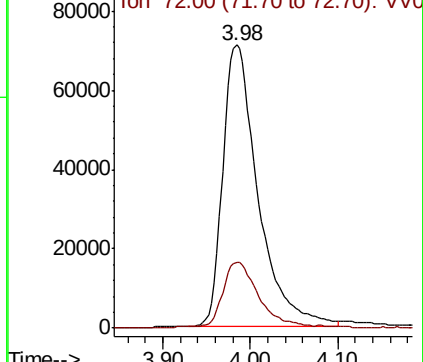
Ion Ratio Lower Upper

43 100

72 22.4 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018757.D (-811) (-)



#23

Bromochloromethane

Concen: 46.321 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Tgt Ion: 128 Resp: 66012

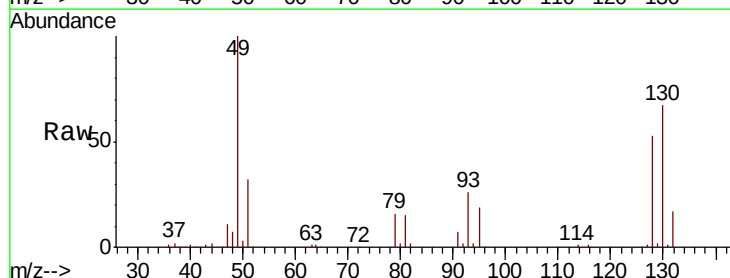
Ion Ratio Lower Upper

128 100

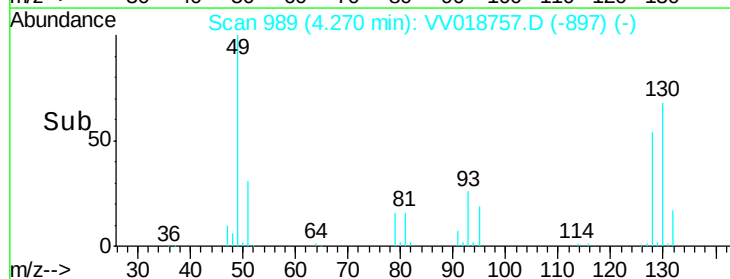
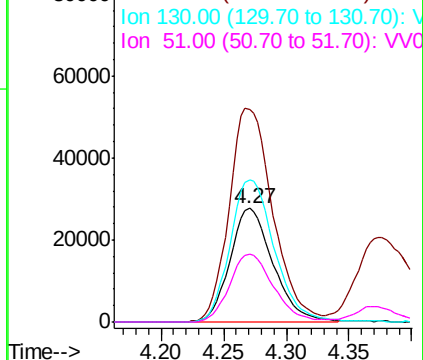
49 186.9 105.1 195.1

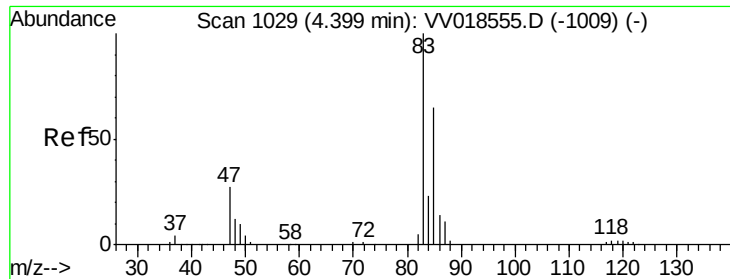
130 125.4 90.0 167.2

51 59.4 38.6 57.8#



Abundance Ion 128.00 (127.70 to 128.70): VV018757.D (-897) (-)

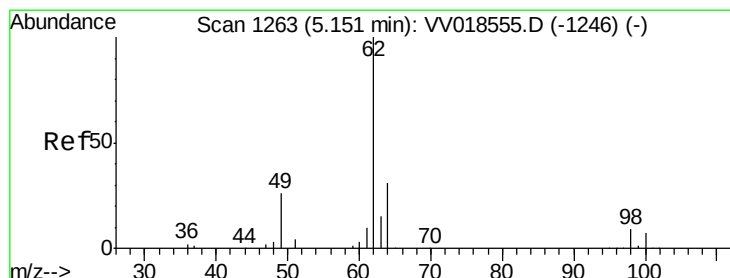
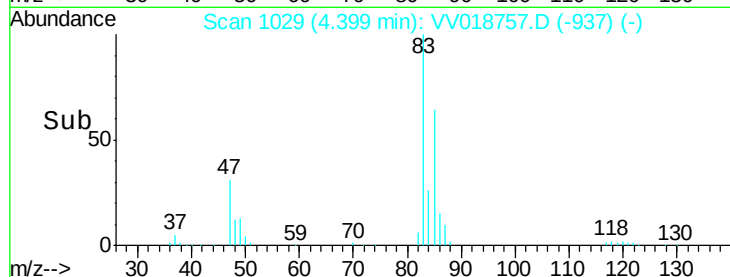
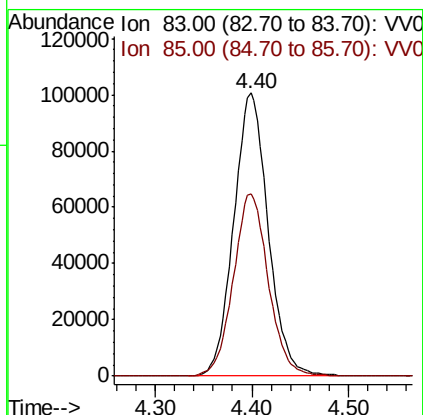
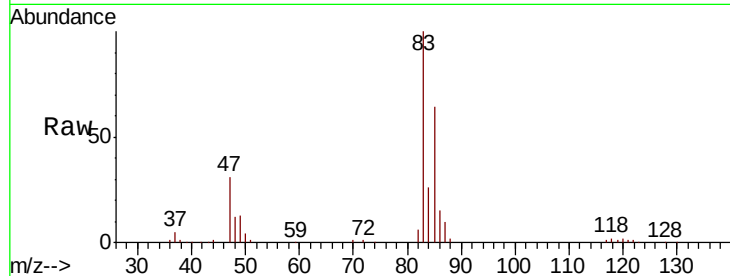




#25
Chloroform
Concen: 55.192 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

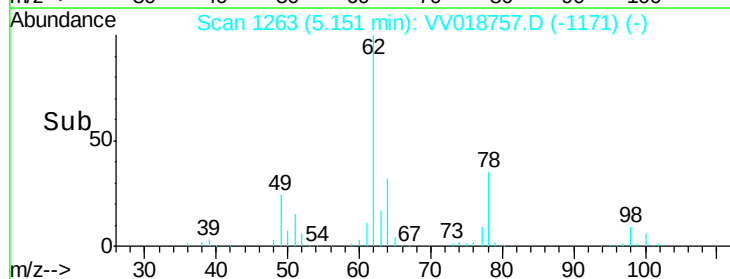
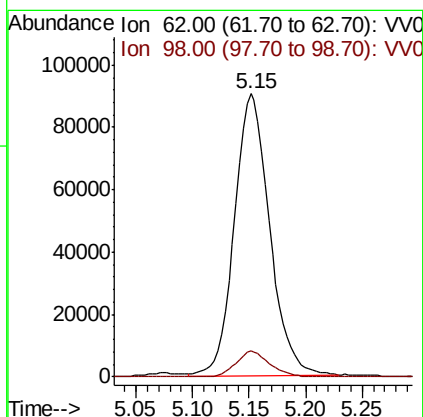
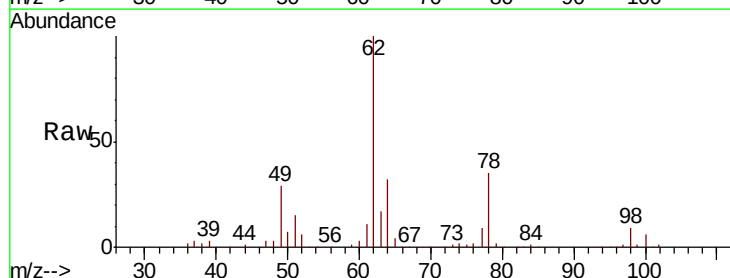
Instrument :
MSVOA_V
ClientSampleId :
BFB60

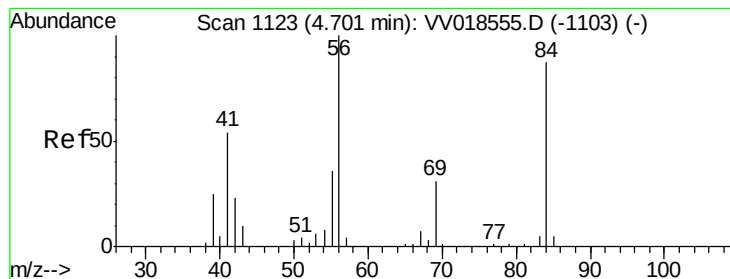
Tot Ion: 83 Resp: 248831
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 55.736 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Tgt Ion: 62 Resp: 195858
Ion Ratio Lower Upper
62 100
98 9.1 7.7 11.5





#29

Cyclohexane

Concen: 50.818 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

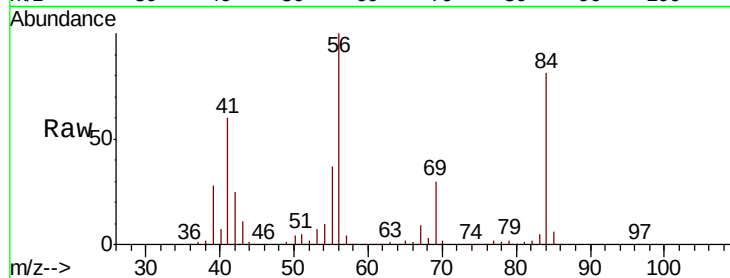
Tot Ion: 56 Resp: 212514

Ion Ratio Lower Upper

56 100

69 28.7 24.8 37.2

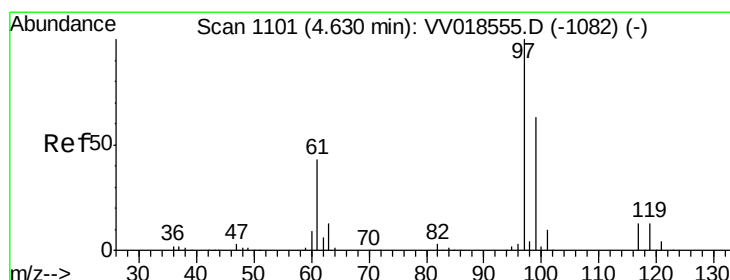
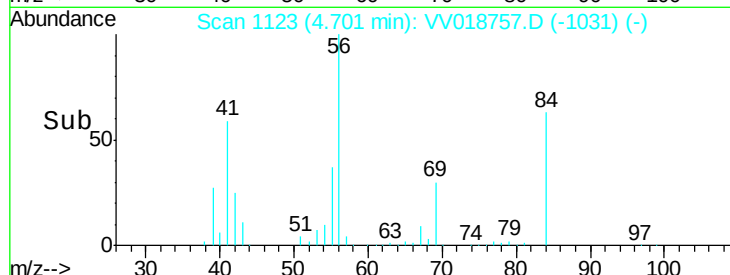
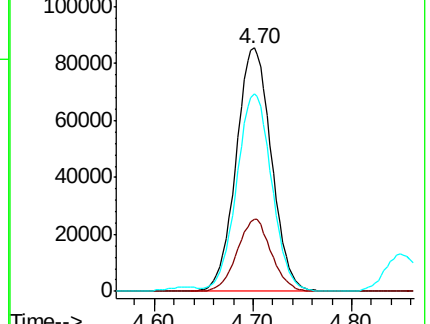
84 80.8 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 46.671 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

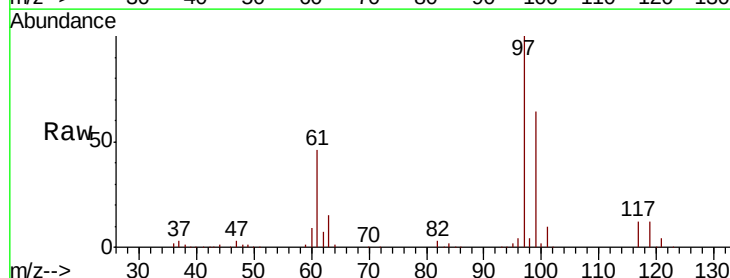
Tgt Ion: 97 Resp: 212442

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

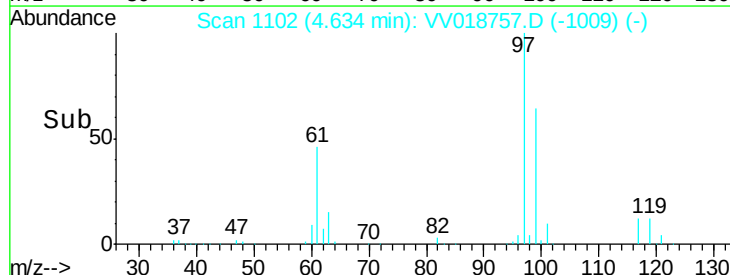
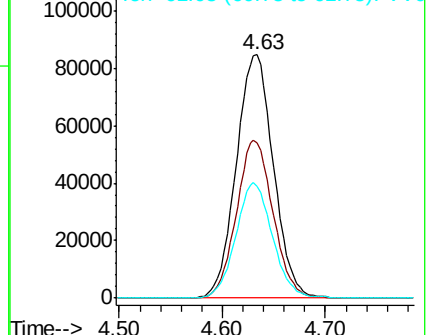
61 46.9 33.9 50.9

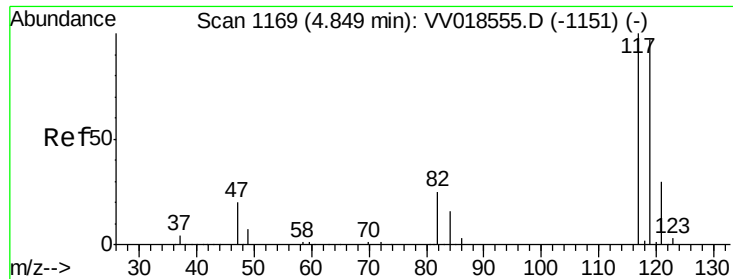


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 45.079 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

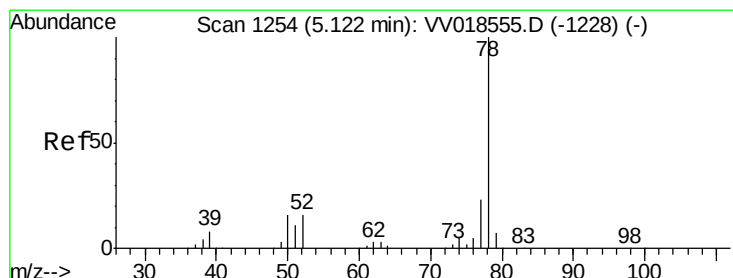
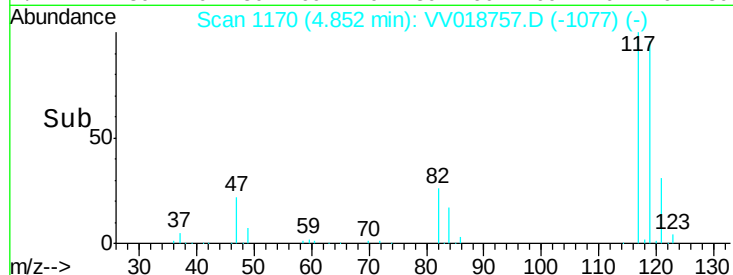
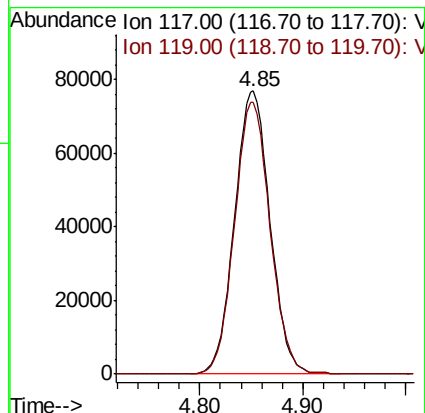
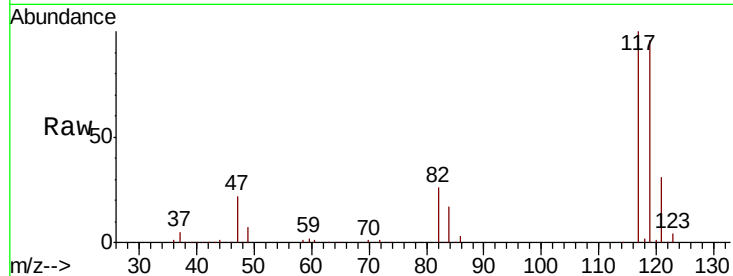
BFB60

Tot Ion:117 Resp: 184159

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.6



#33

Benzene

Concen: 47.673 ug/L

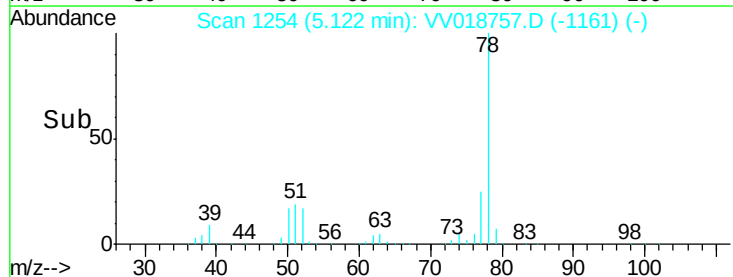
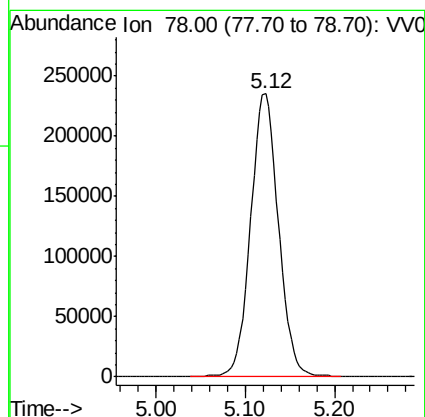
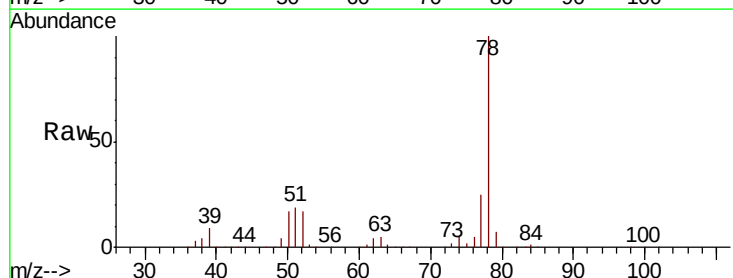
RT: 5.12 min Scan# 1254

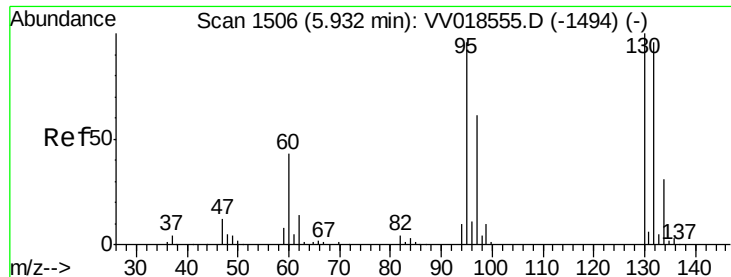
Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Tgt Ion: 78 Resp: 513525





#34

Trichloroethene

Concen: 43.877 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

Tot Ion: 95 Resp: 137216

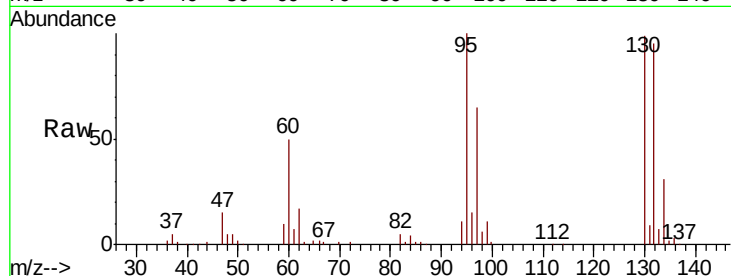
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 95.1 70.8 131.4

130 99.3 75.3 139.8

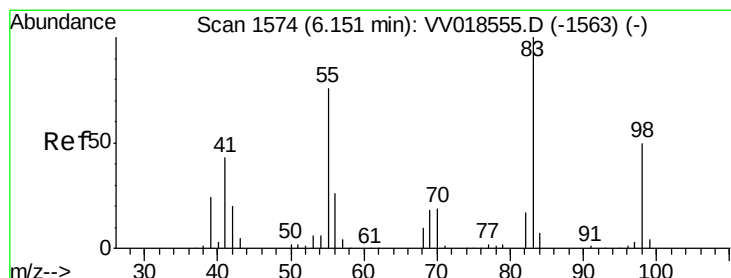
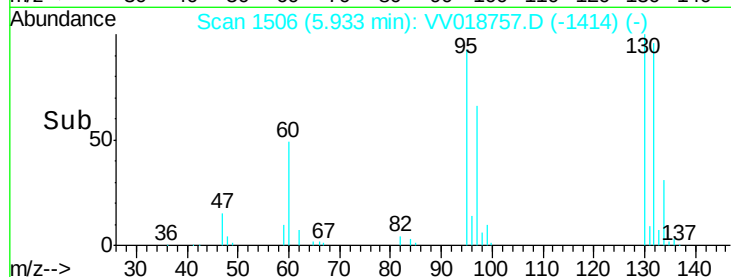
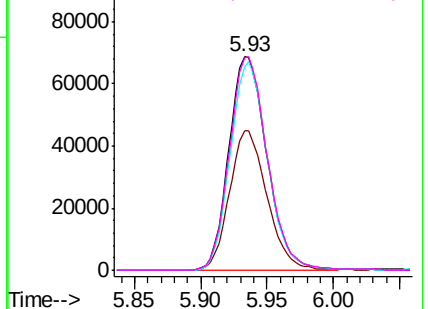


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 40.133 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

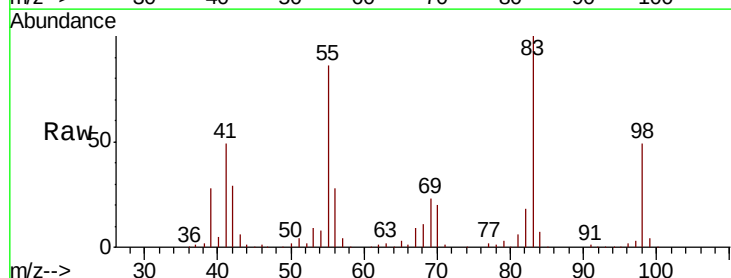
Tgt Ion: 83 Resp: 169307

Ion Ratio Lower Upper

83 100

55 85.1 60.1 90.1

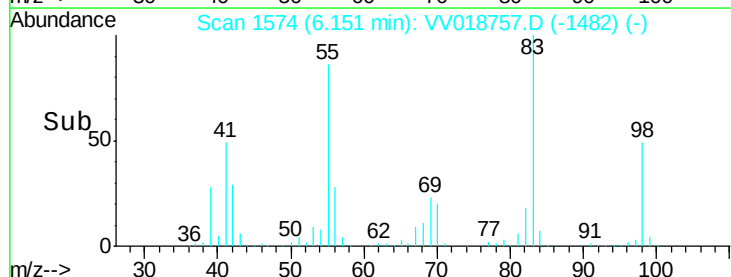
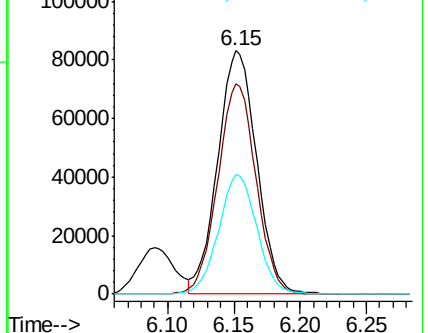
98 48.2 40.2 60.4

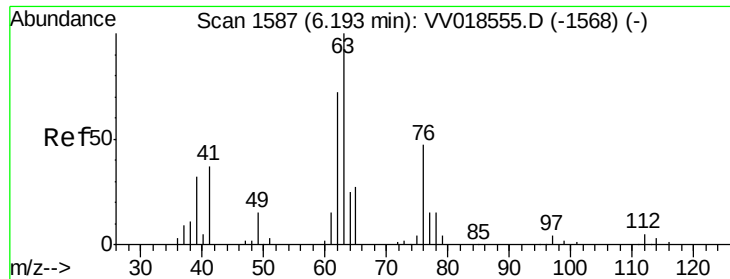


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

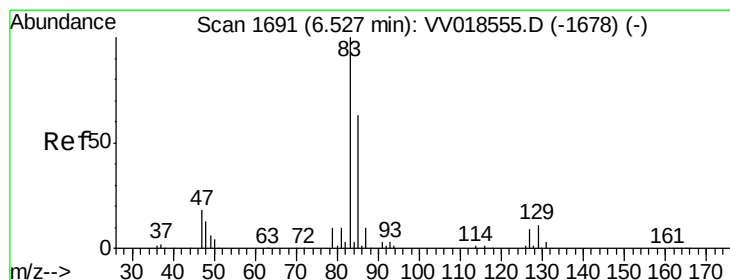
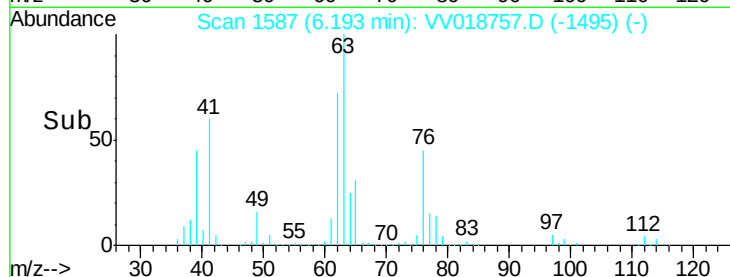
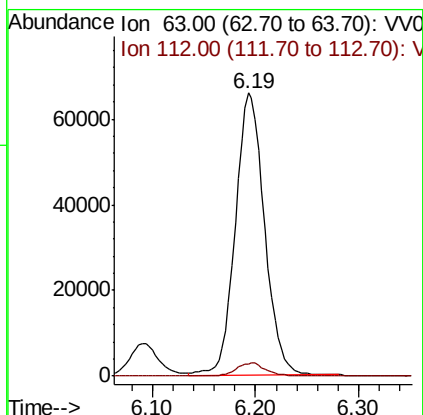
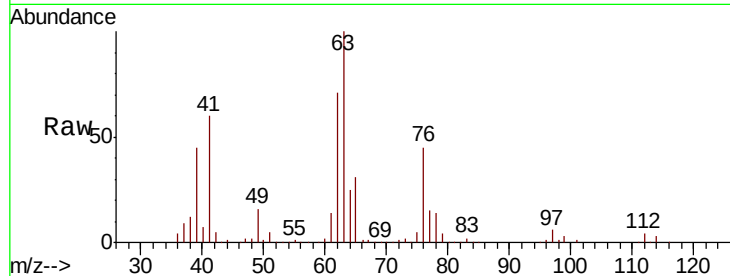




#37
 1,2-Dichloropropane
 Concen: 47.135 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

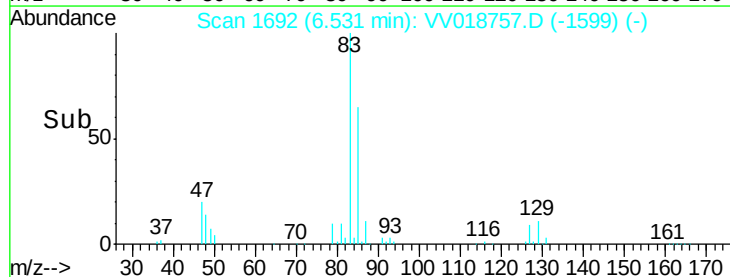
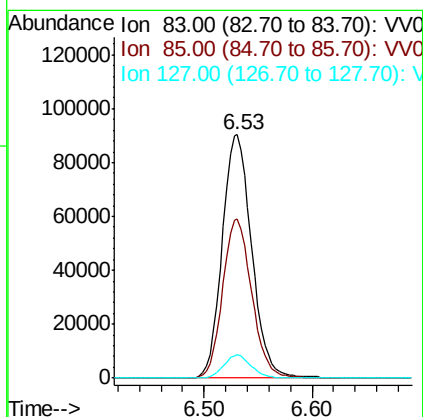
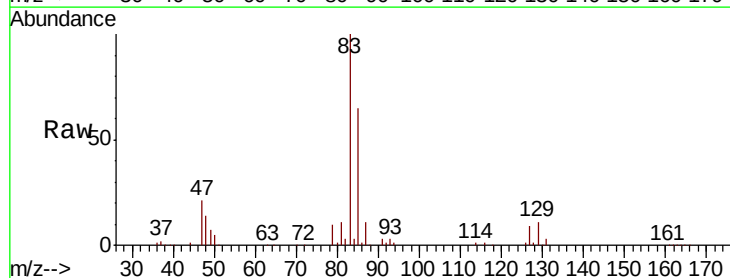
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB60

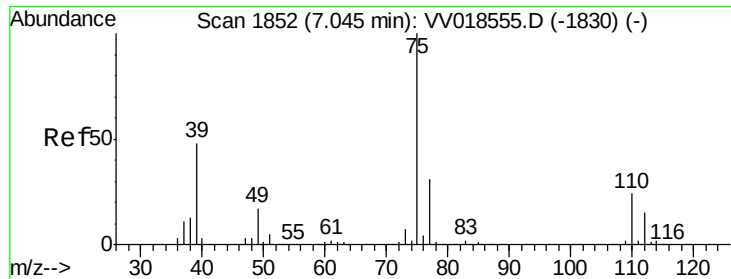
Tot Ion: 63 Resp: 130264
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 46.421 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

Tgt Ion: 83 Resp: 171810
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.5 82.7
 127 9.4 7.2 10.8

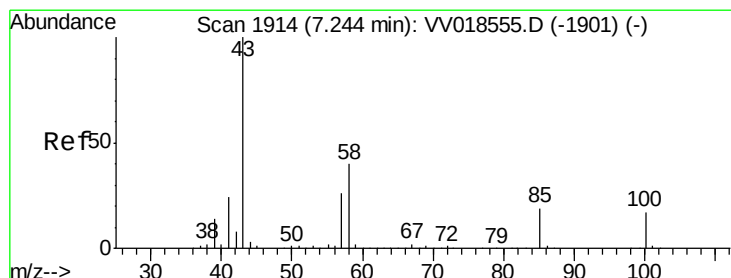
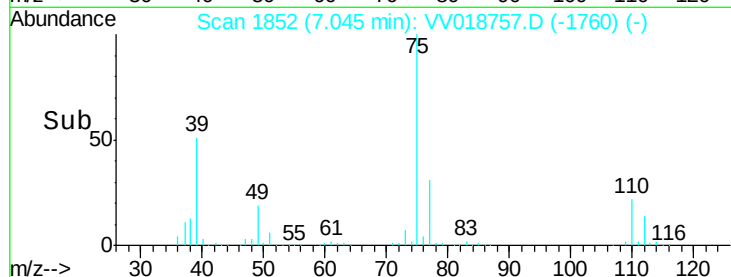
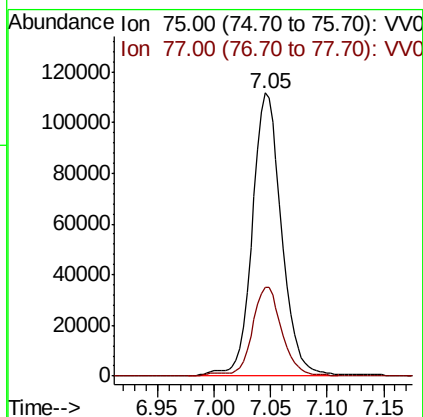
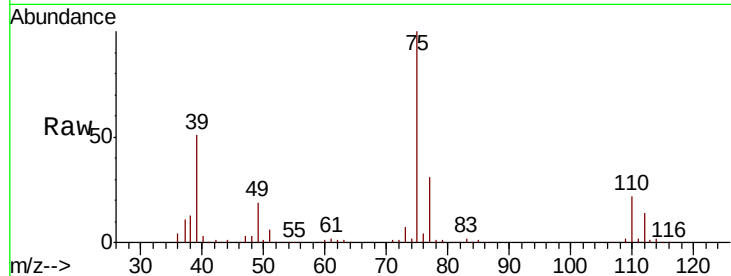




#39
 cis-1,3-Dichloropropene
 Concen: 46.591 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

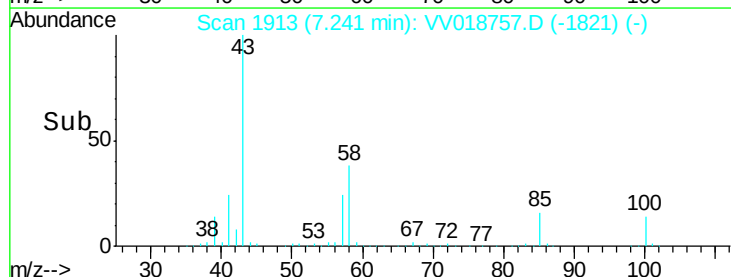
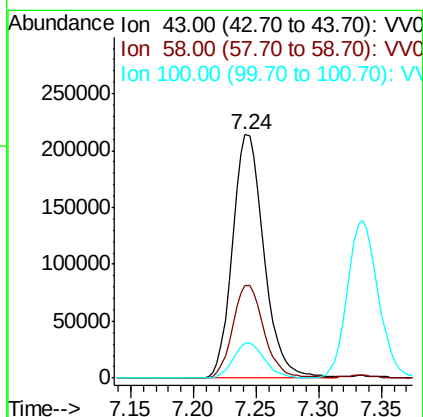
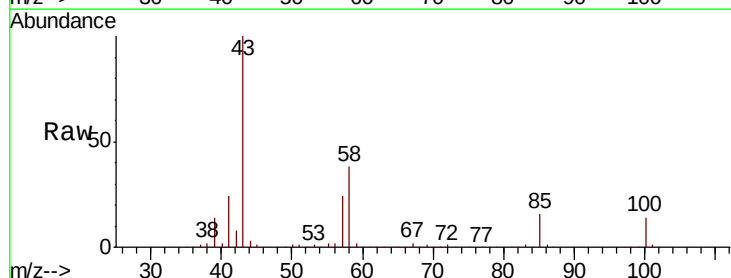
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB60

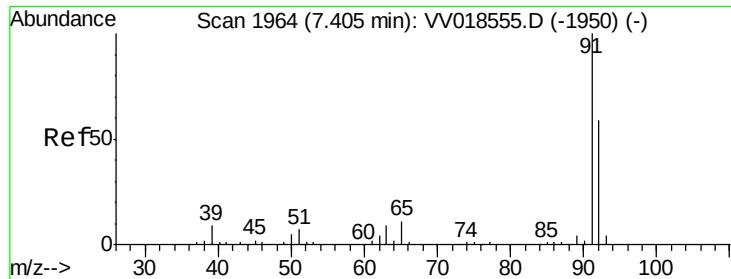
Tot Ion: 75 Resp: 202022
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 104.587 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

Tgt Ion: 43 Resp: 372972
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.8 47.6
 100 14.4 13.4 20.0





#42

Toluene

Concen: 44.507 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

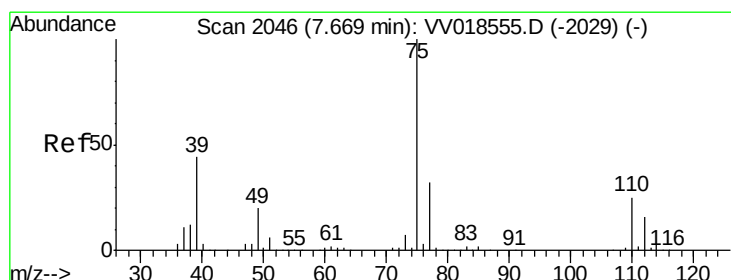
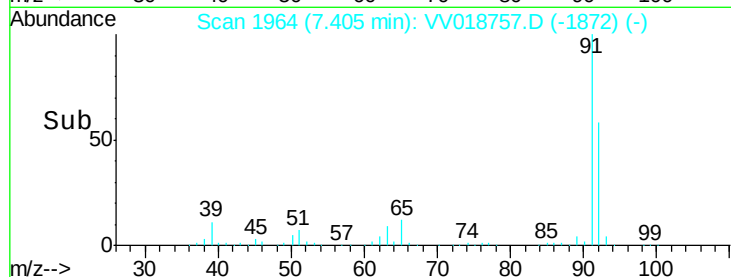
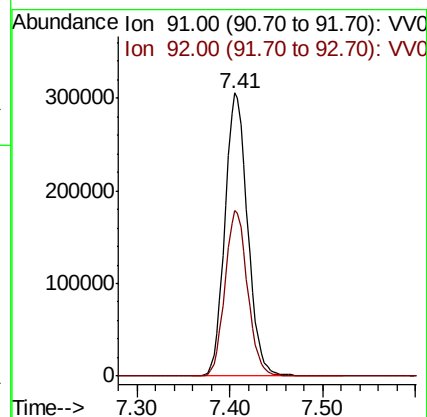
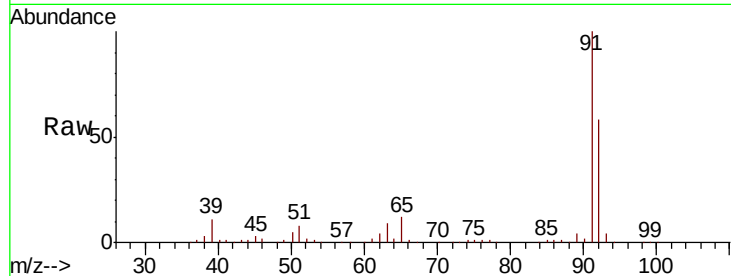
BFB60

Tot Ion: 91 Resp: 518633

Ion Ratio Lower Upper

91 100

92 58.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.101 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018757.D

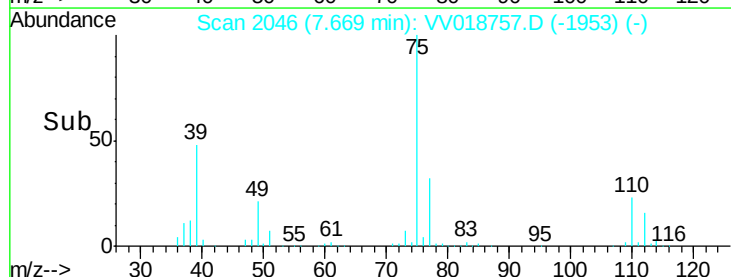
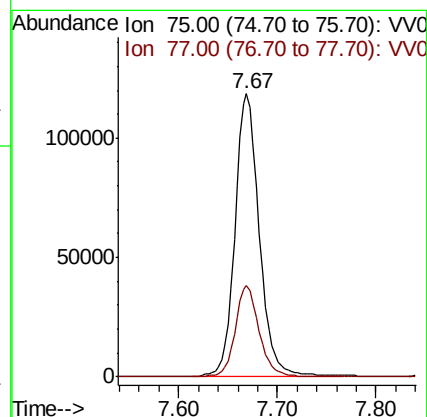
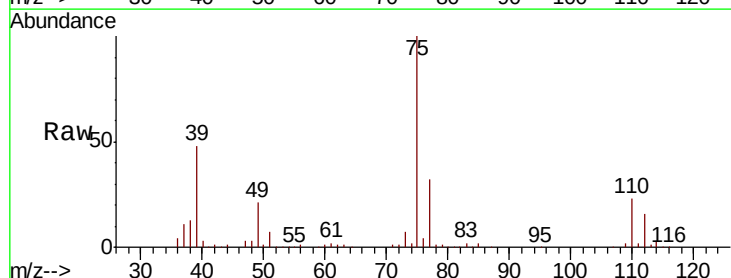
Acq: 08 Oct 2020 10:47

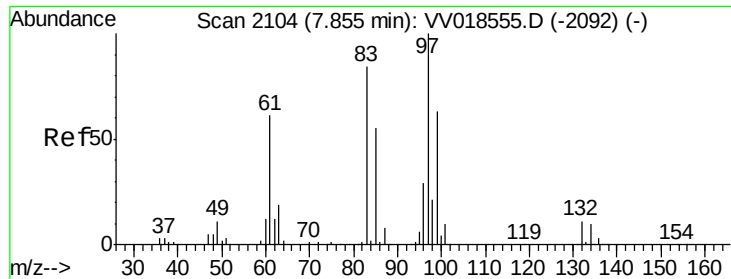
Tgt Ion: 75 Resp: 204881

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1

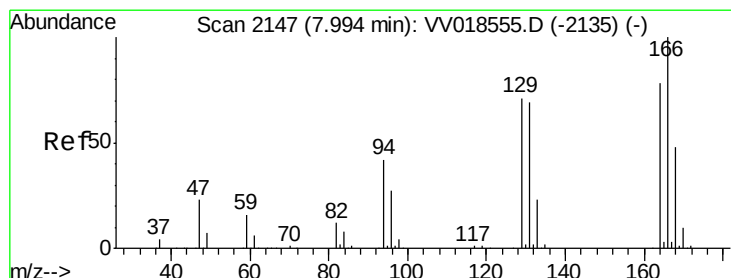
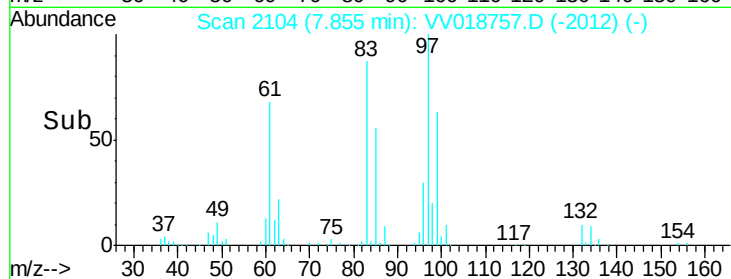
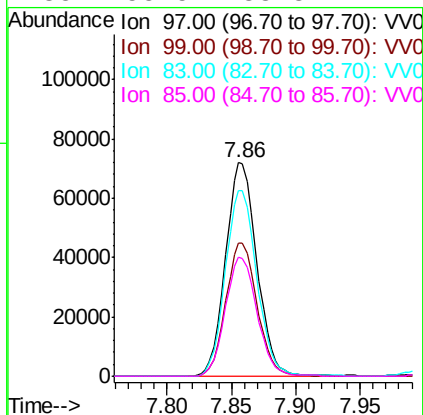
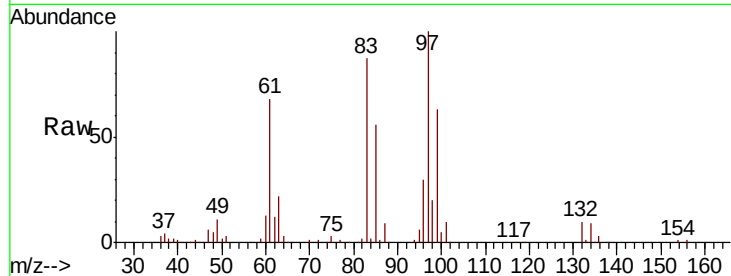




#45
 1,1,2-Trichloroethane
 Concen: 44.395 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

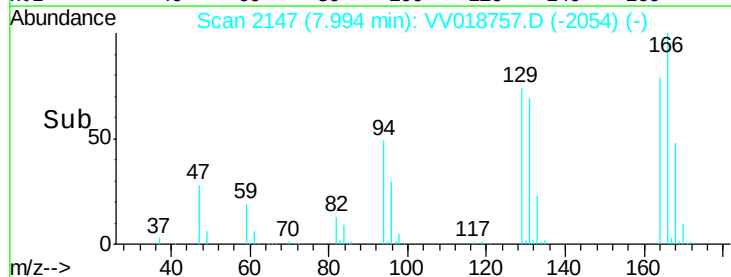
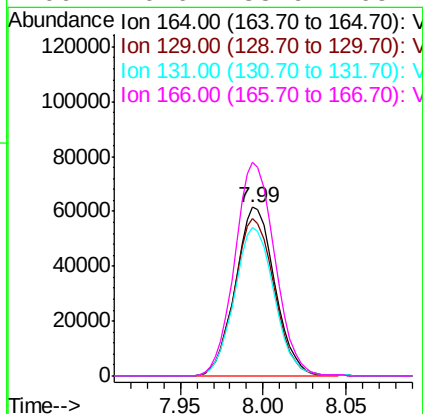
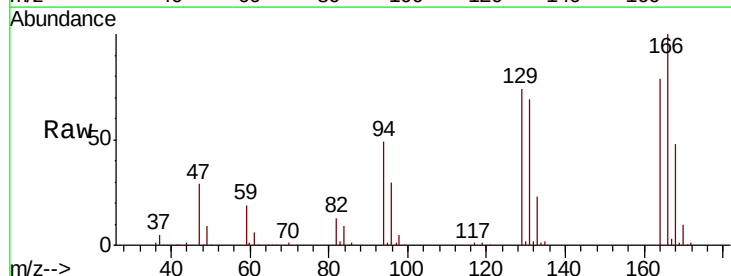
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB60

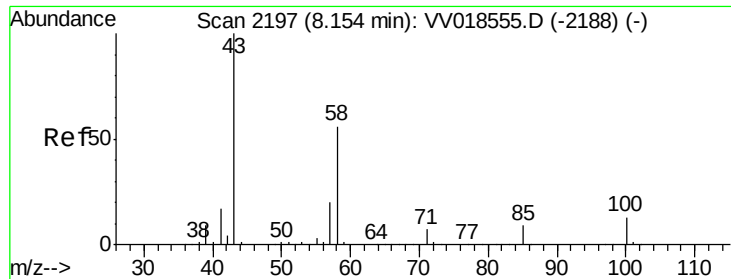
Tot Ion:	97	Resp:	121458
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.3	80.3
83	87.2	60.5	112.5
85	55.5	38.3	71.1



#46
 Tetrachloroethene
 Concen: 40.295 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

Tgt Ion:	164	Resp:	102231
Ion	Ratio	Lower	Upper
164	100		
129	93.4	62.8	116.6
131	87.9	60.8	112.8
166	126.6	88.9	165.1

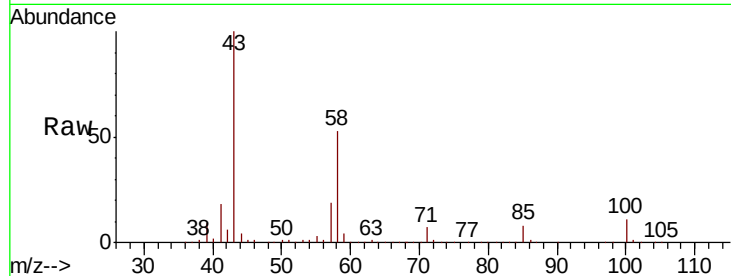




#48
2-Hexanone
Concen: 107.763 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Instrument :
MSVOA_V
ClientSampled :
BFB60

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	45.1	67.7
57	18.7	15.7	23.5
100	11.2	11.0	16.4

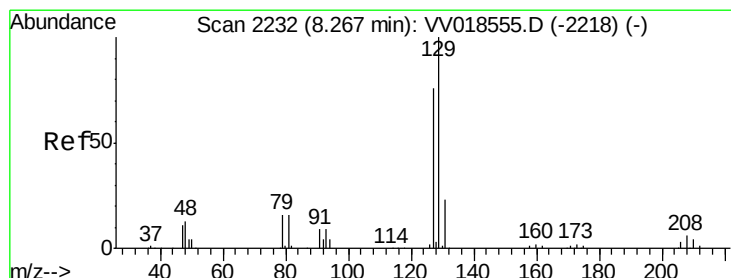
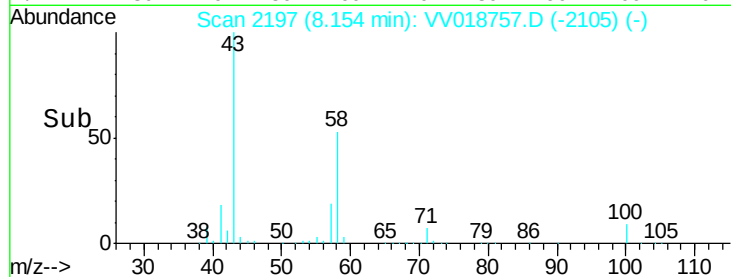
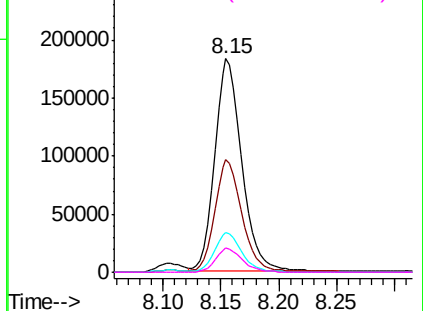


Abundance Ion 43.00 (42.70 to 43.70): VV018757.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV018757.D (-2105) (-)

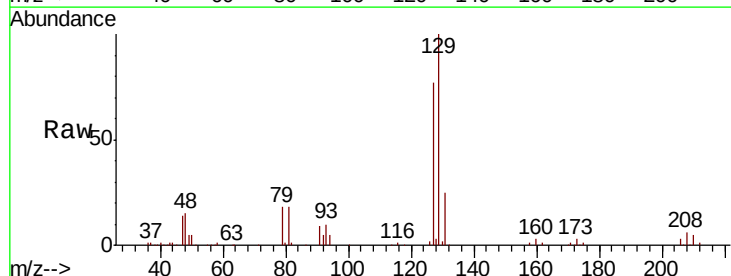
Ion 57.00 (56.70 to 57.70): VV018757.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV018757.D (-2105) (-)



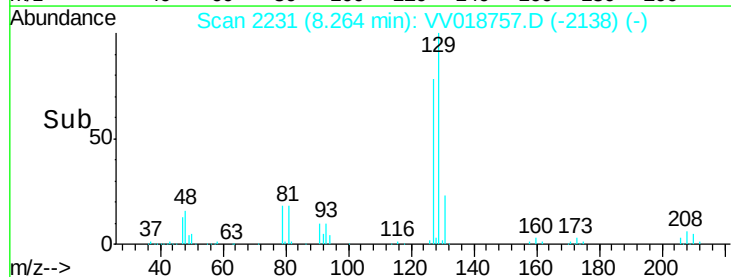
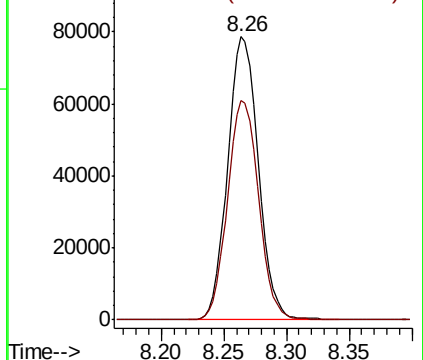
#49
Dibromochloromethane
Concen: 42.699 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

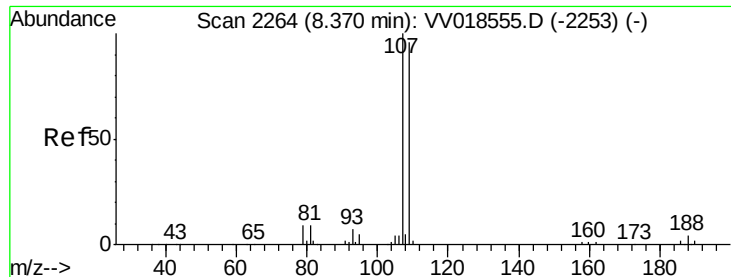
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018757.D (-2138) (-)

Ion 127.00 (126.70 to 127.70): VV018757.D (-2138) (-)

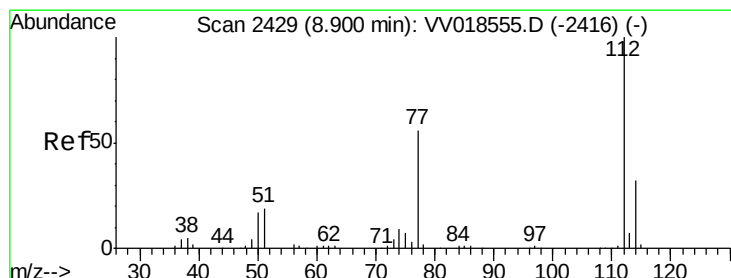
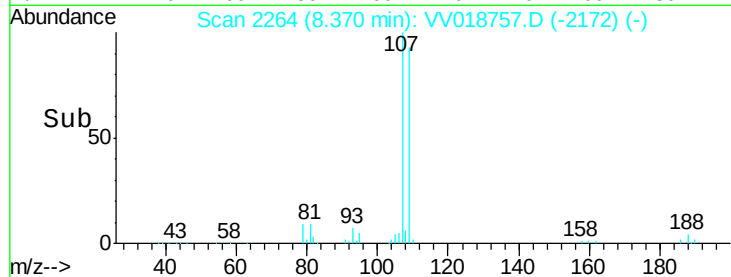
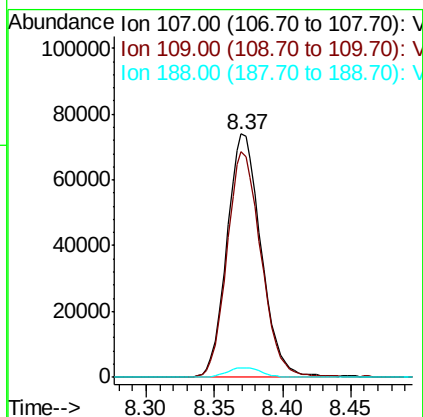
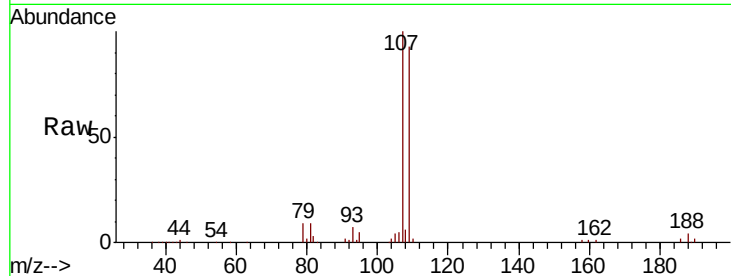




#50
1,2-Dibromoethane
Concen: 44.236 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

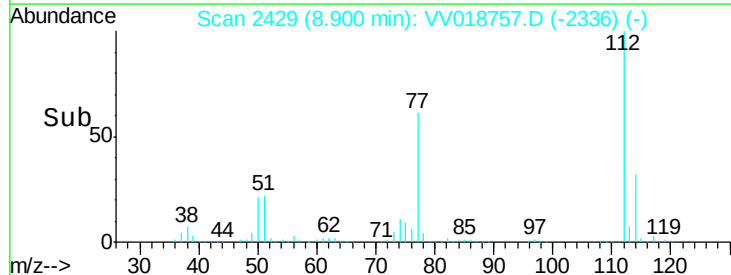
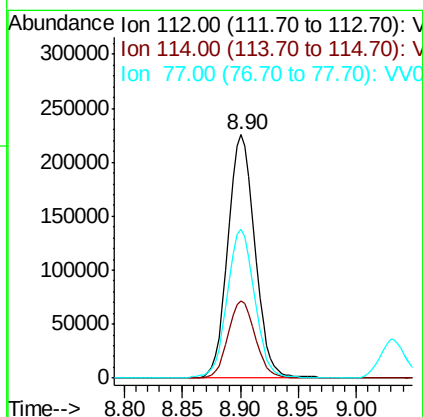
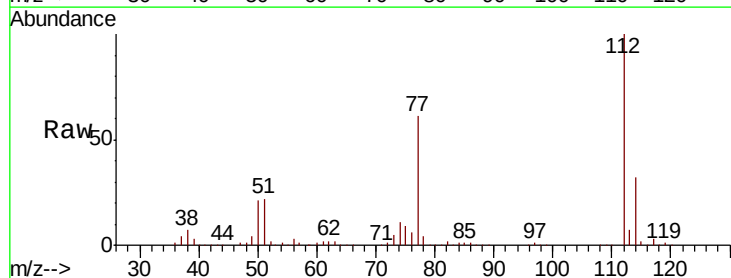
Instrument :
MSVOA_V
ClientSampleId :
BFB60

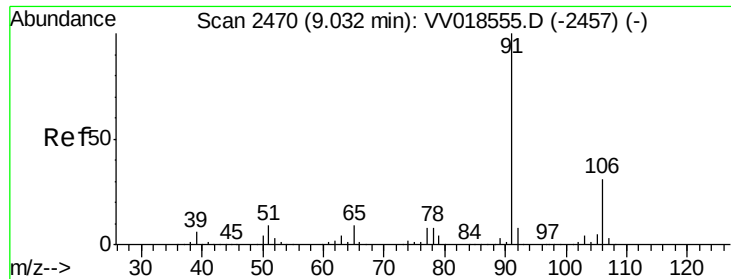
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	65.1	120.9
188	4.1	3.7	5.5



#51
Chlorobenzene
Concen: 45.955 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	61.4	44.8	67.2





#52

Ethylbenzene

Concen: 47.467 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

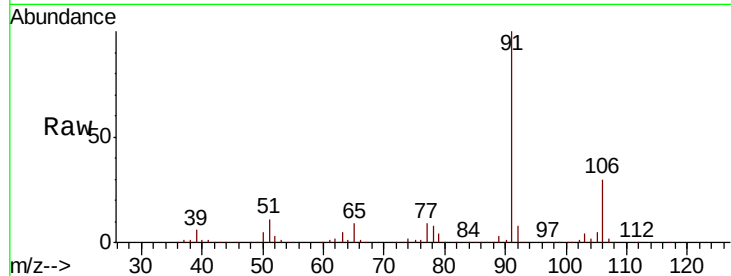
BFB60

Tot Ion: 91 Resp: 617714

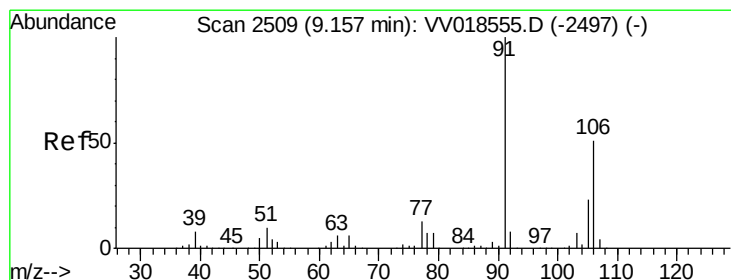
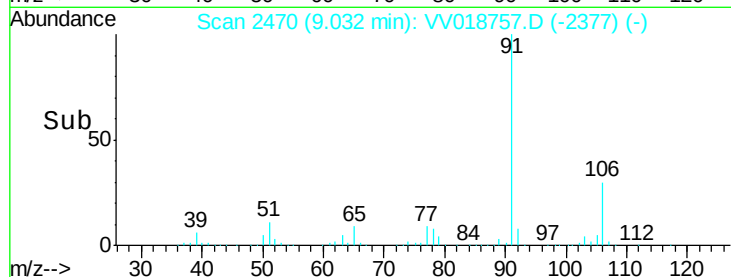
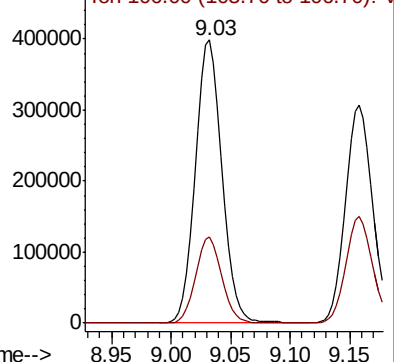
Ion Ratio Lower Upper

91 100

106 30.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018757.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.372 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018757.D

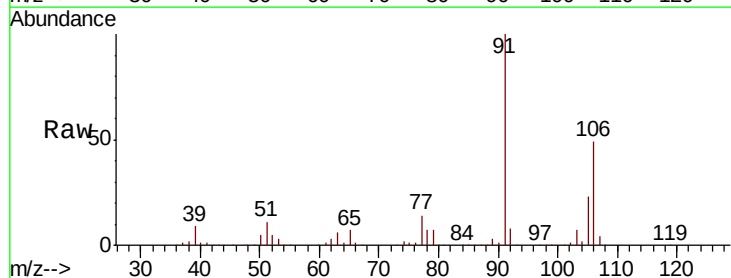
Acq: 08 Oct 2020 10:47

Tgt Ion: 106 Resp: 233217

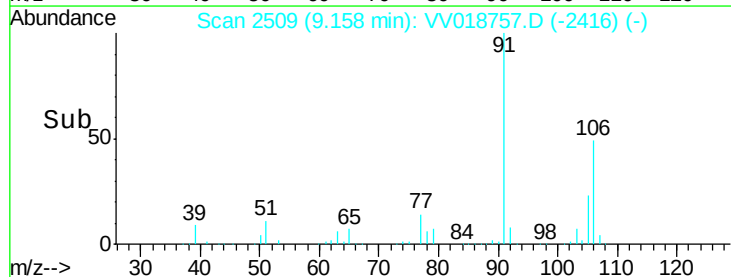
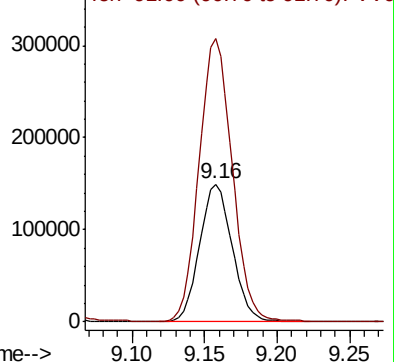
Ion Ratio Lower Upper

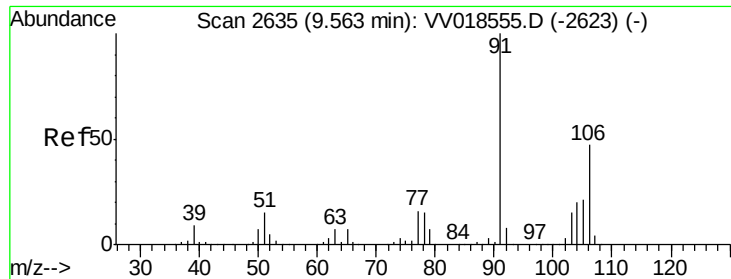
106 100

91 205.5 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018757.D (-2416) (-)

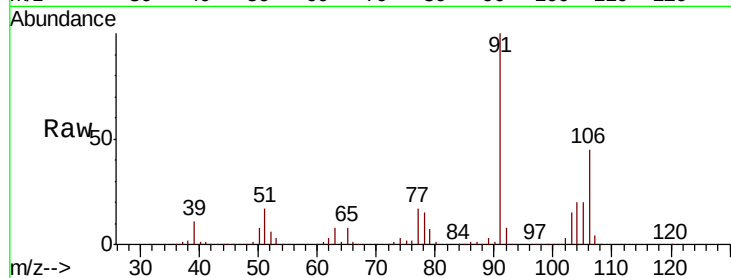




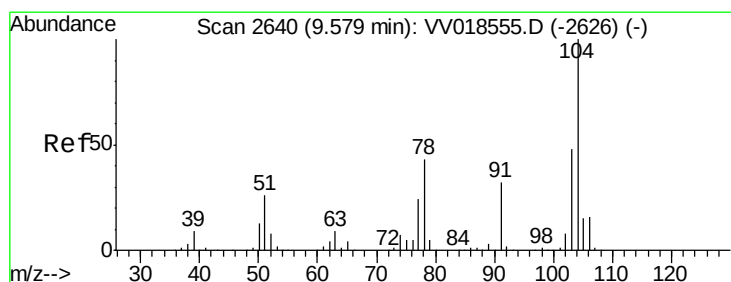
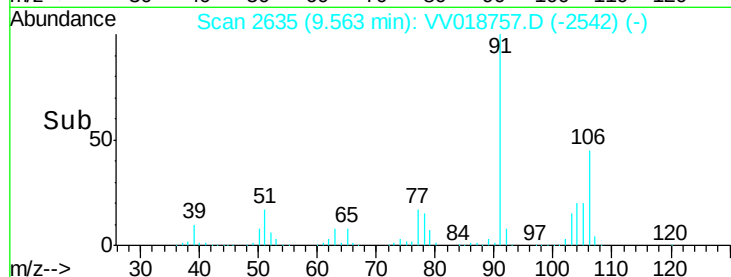
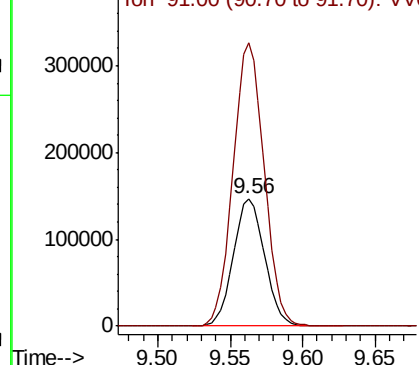
#54
o-xylene
Concen: 46.050 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Instrument :
MSVOA_V
ClientSampleId :
BFB60

Tot Ion:106 Resp: 219268
Ion Ratio Lower Upper
106 100
91 222.1 151.0 280.4

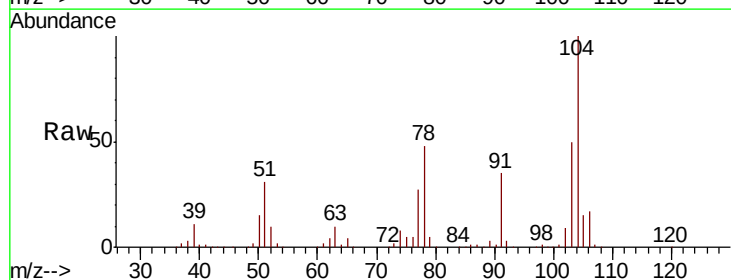


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

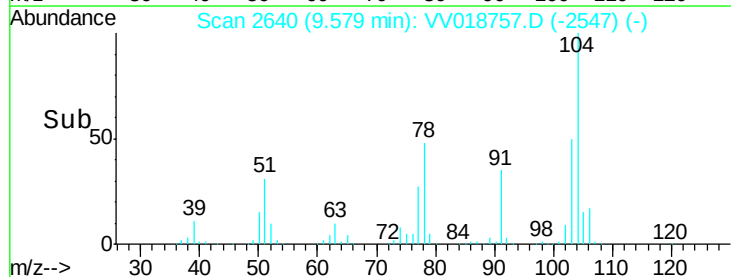
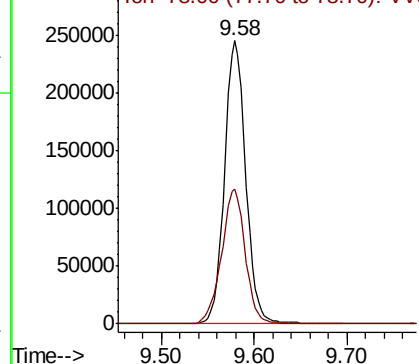


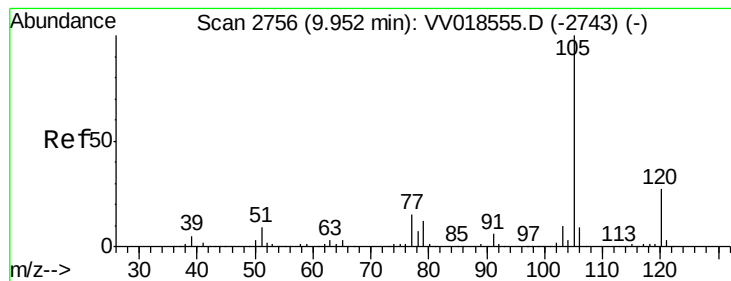
#55
Styrene
Concen: 47.009 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018757.D
Acq: 08 Oct 2020 10:47

Tgt Ion:104 Resp: 389746
Ion Ratio Lower Upper
104 100
78 47.8 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 42.768 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

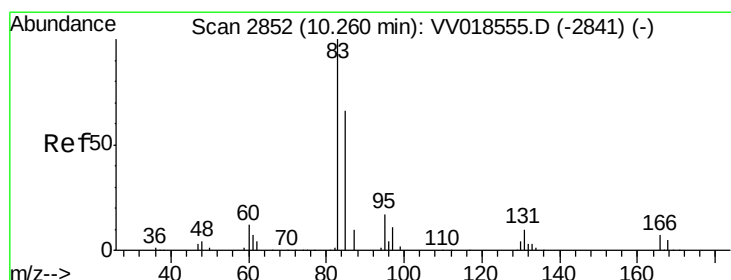
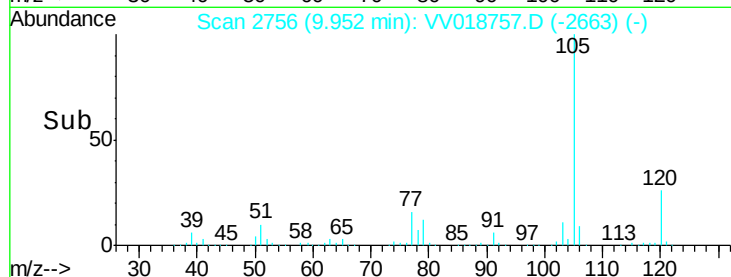
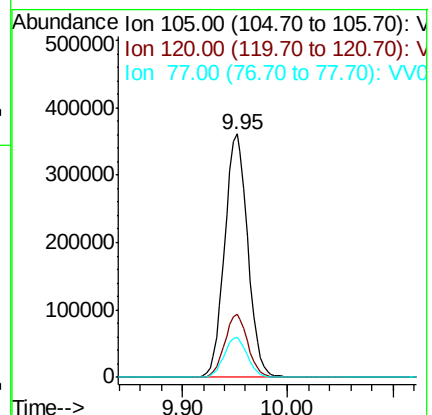
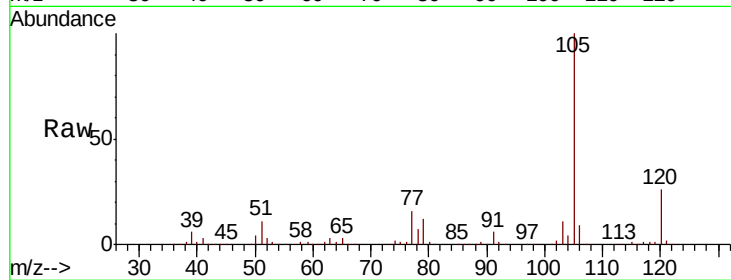
Tot Ion:105 Resp: 546152

Ion Ratio Lower Upper

105 100

120 25.9 21.5 32.3

77 16.6 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 42.533 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

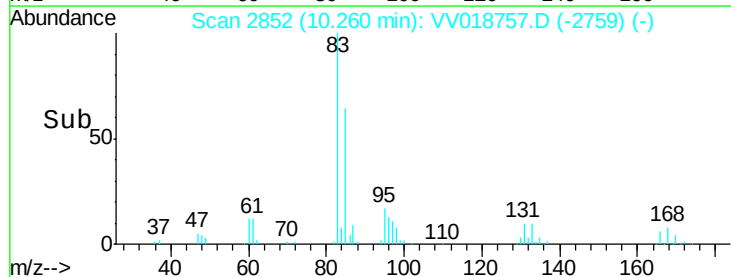
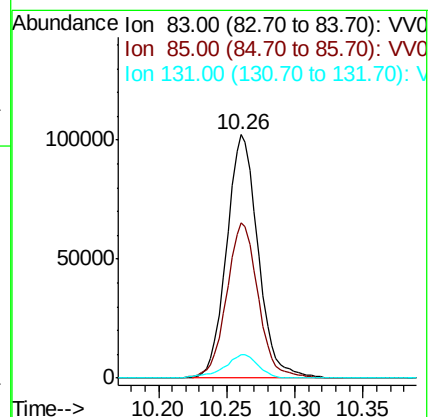
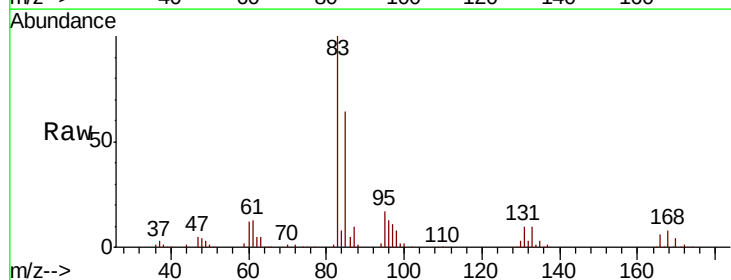
Tgt Ion: 83 Resp: 164020

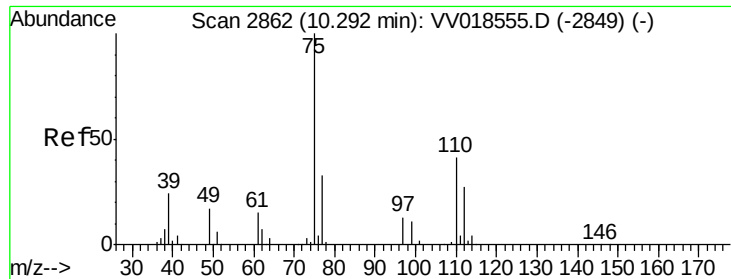
Ion Ratio Lower Upper

83 100

85 63.9 44.5 82.7

131 9.6 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 46.201 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

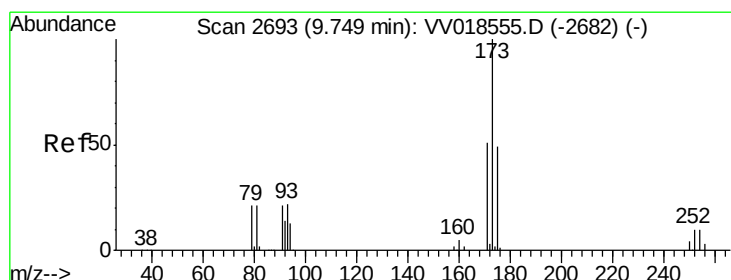
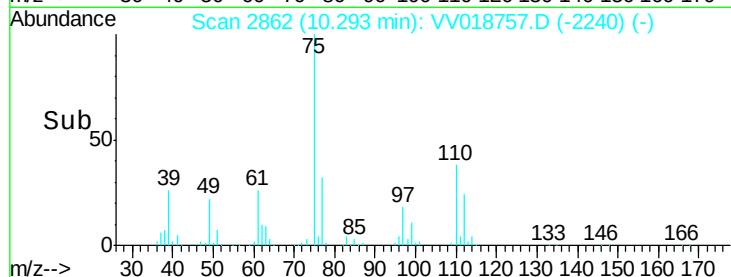
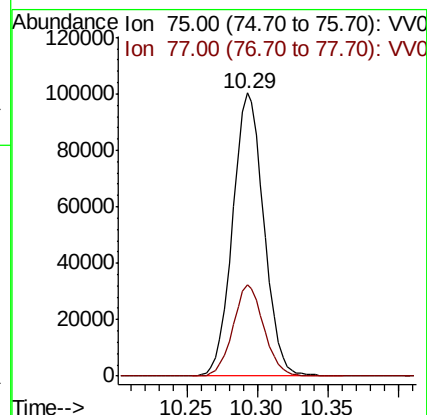
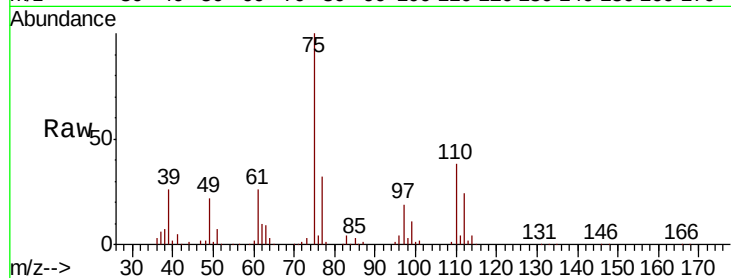
BFB60

Tot Ion: 75 Resp: 155309

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#61

Bromoform

Concen: 46.453 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

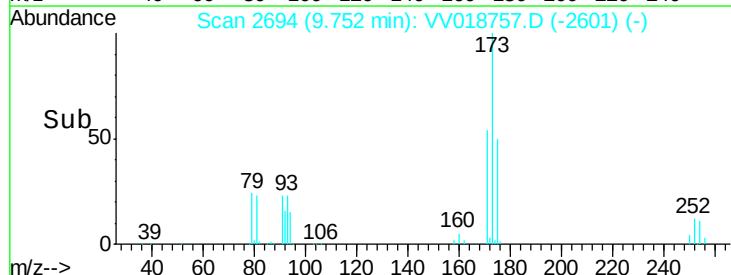
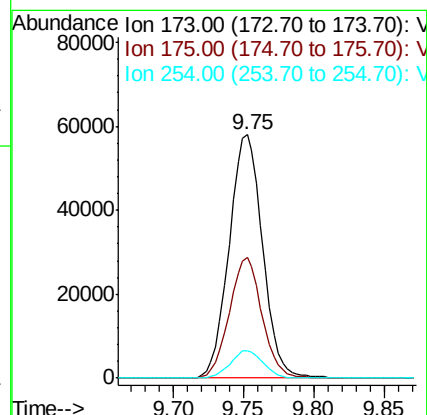
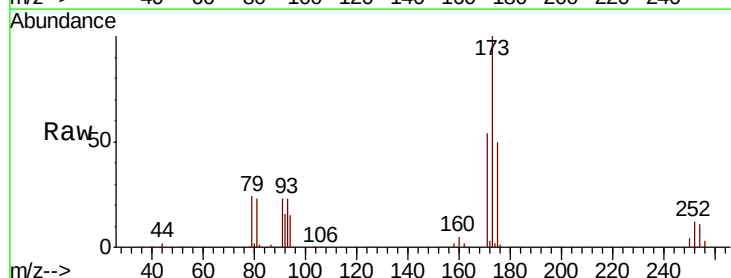
Tgt Ion: 173 Resp: 96064

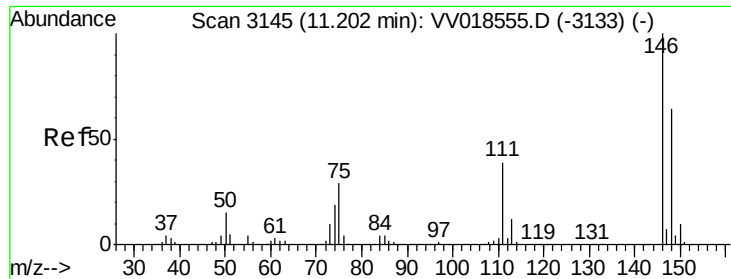
Ion Ratio Lower Upper

173 100

175 48.4 39.8 59.8

254 11.1 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 45.892 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

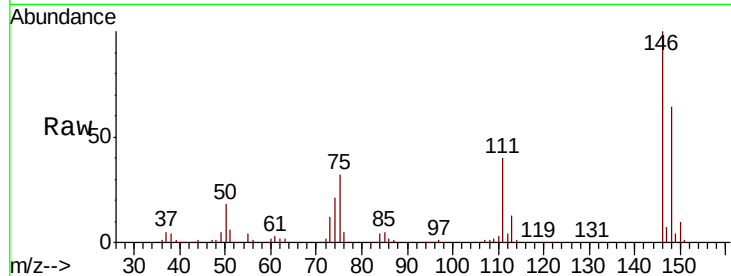
Tot Ion:146 Resp: 267389

Ion Ratio Lower Upper

146 100

111 39.9 26.8 49.8

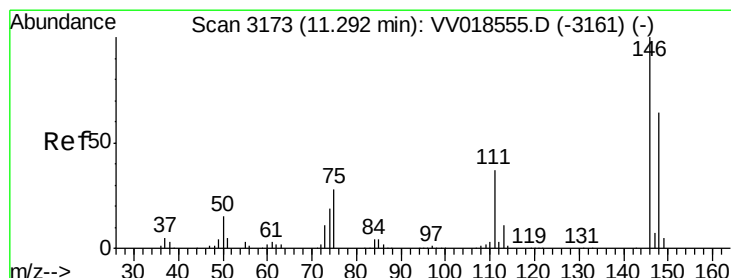
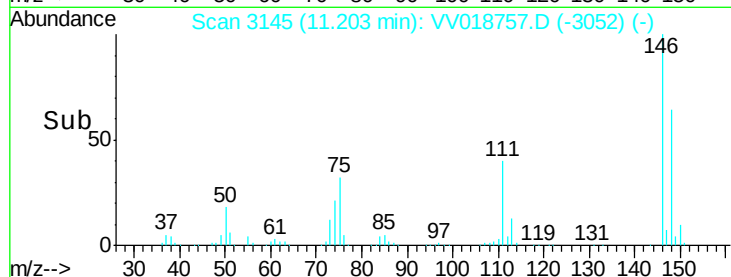
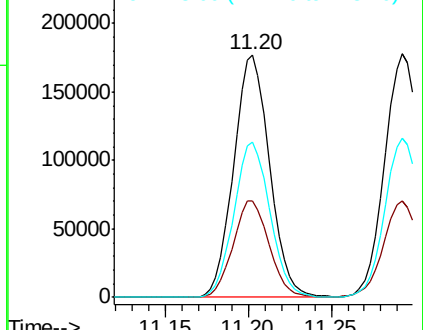
148 64.0 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.490 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

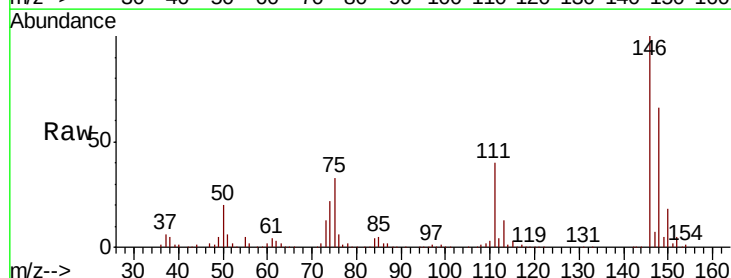
Tgt Ion:146 Resp: 272930

Ion Ratio Lower Upper

146 100

111 39.5 26.2 48.6

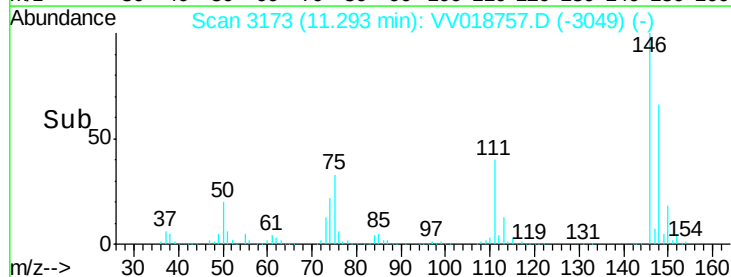
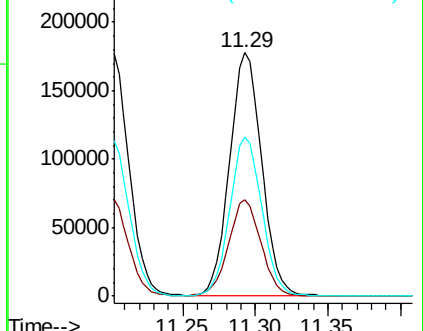
148 65.5 44.4 82.5

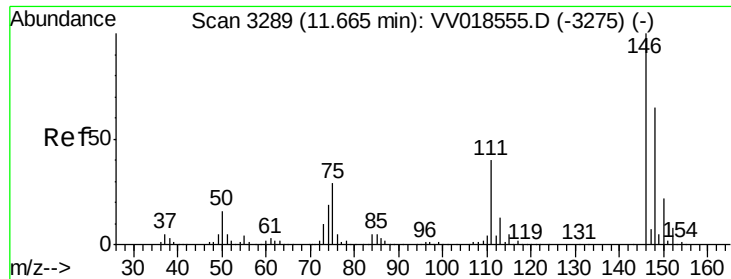


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.715 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampleId :

BFB60

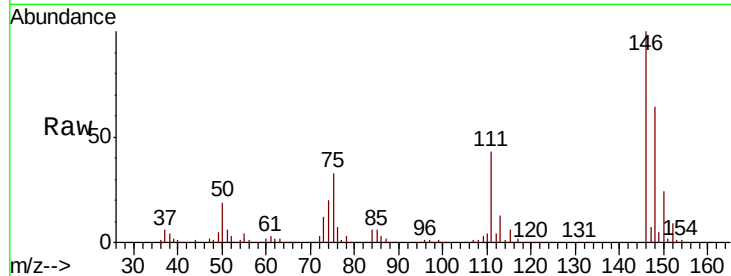
Tot Ion:146 Resp: 263502

Ion Ratio Lower Upper

146 100

111 42.7 32.8 49.2

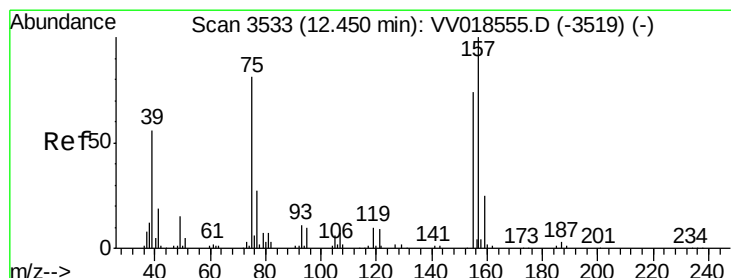
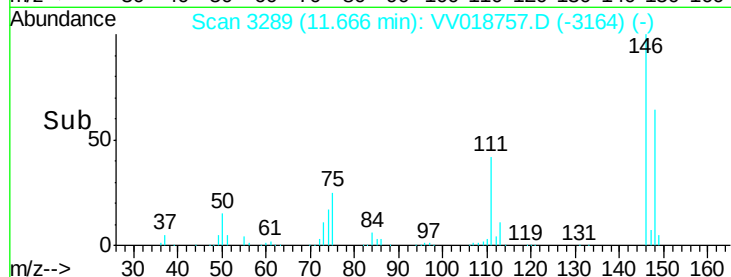
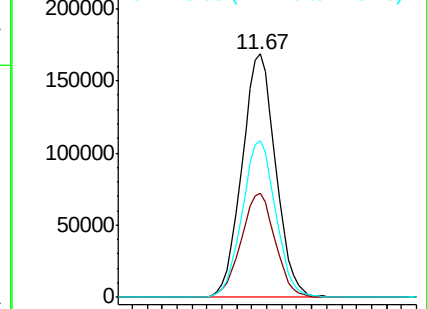
148 64.2 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.379 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

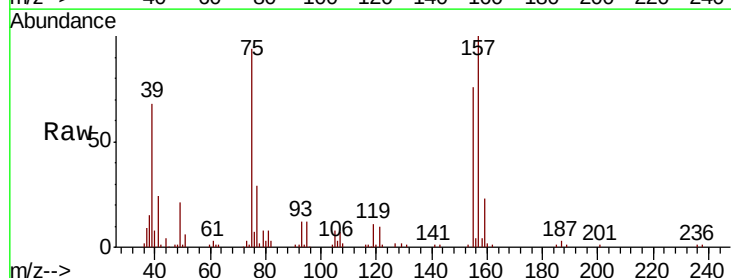
Tgt Ion: 75 Resp: 37281

Ion Ratio Lower Upper

75 100

155 81.3 73.0 109.6

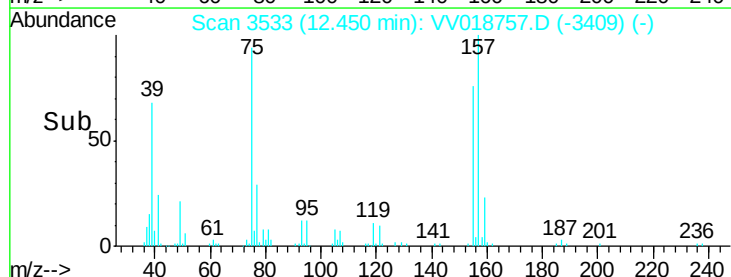
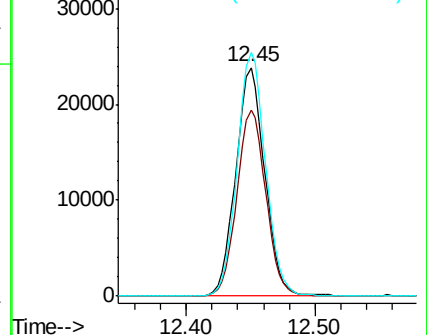
157 106.5 95.8 143.6

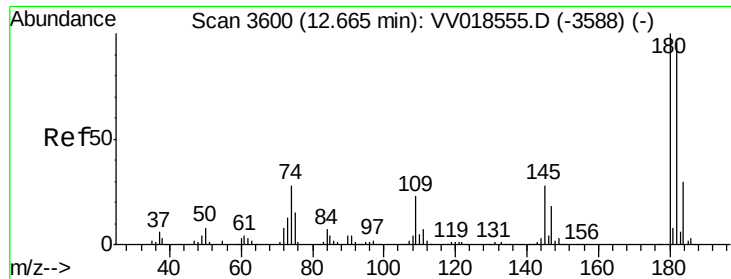


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

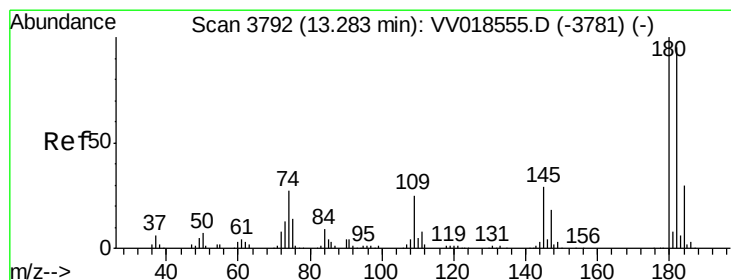
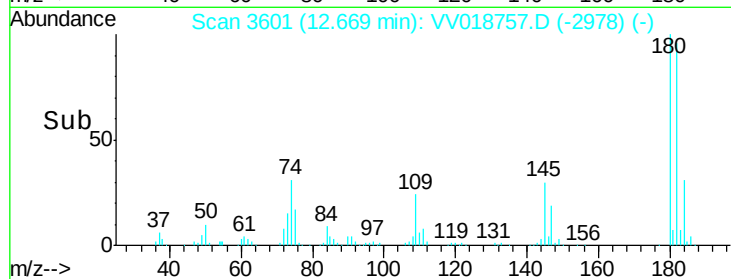
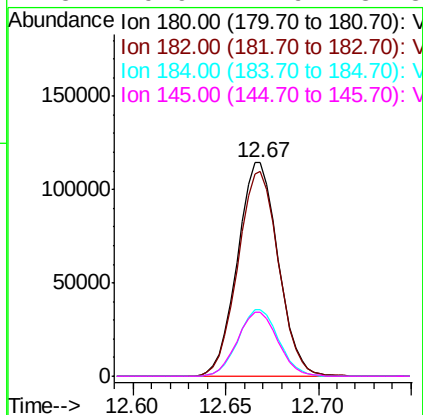
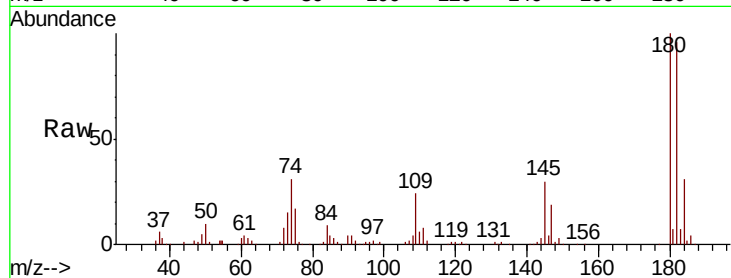




#67
 1,3,5-Trichlorobenzene
 Concen: 43.350 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

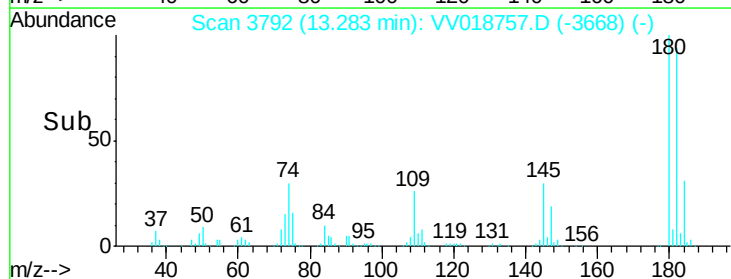
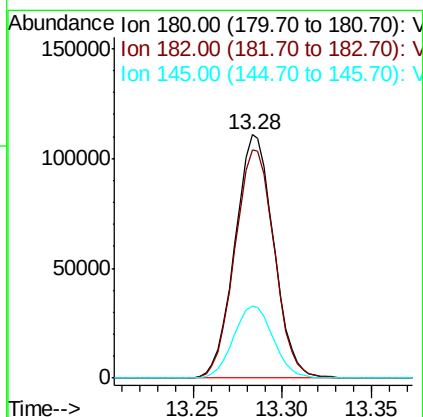
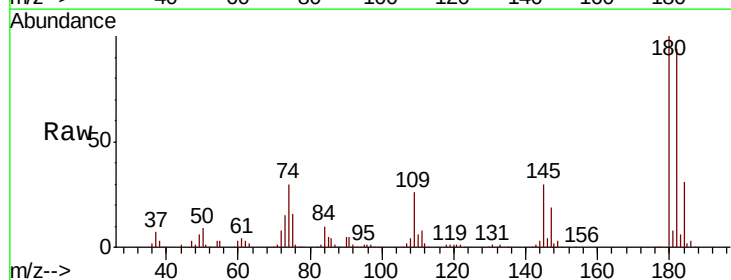
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB60

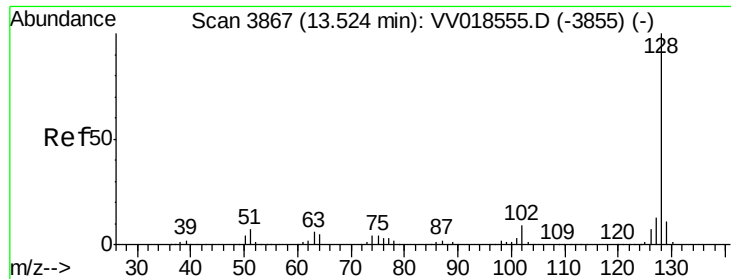
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.1	115.7
184	31.0	24.3	36.5
145	29.9	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 44.639 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018757.D
 Acq: 08 Oct 2020 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	30.3	23.6	35.4





#69

Naphthalene

Concen: 48.465 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

Instrument :

MSVOA_V

ClientSampled :

BFB60

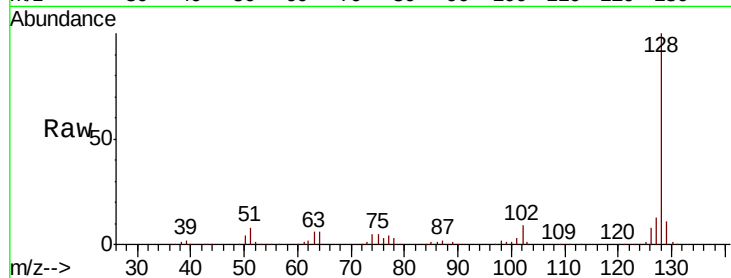
Tot Ion:128 Resp: 521025

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

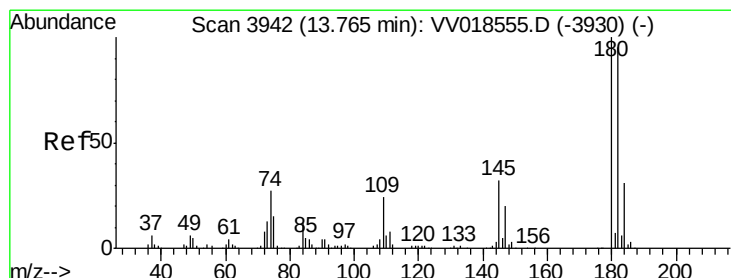
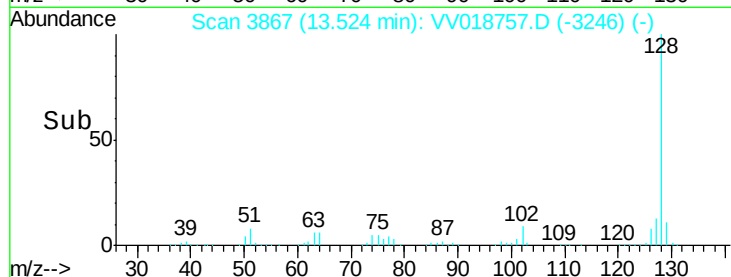
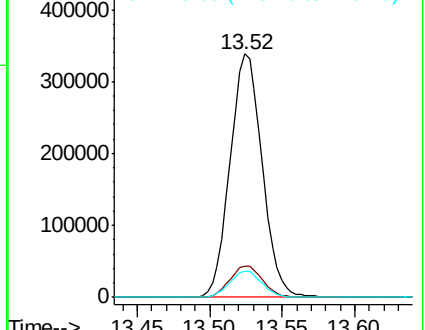
129 11.0 8.6 12.8



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



#70

1,2,3-Trichlorobenzene

Concen: 45.711 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018757.D

Acq: 08 Oct 2020 10:47

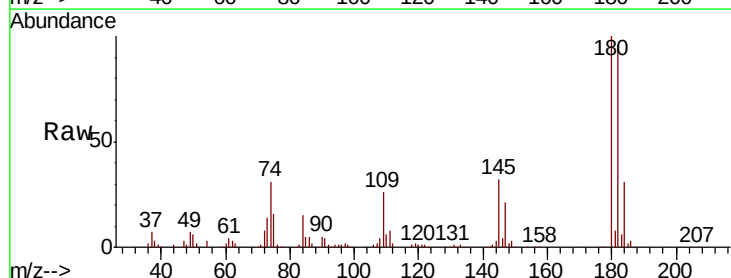
Tgt Ion:180 Resp: 172335

Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

145 32.0 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

