

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016198.D
 Acq On : 26 May 2020 18:20
 Operator : SY/MD
 Sample : L2753-23
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	102773	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	99356	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	47422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29930	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.58	69	26255	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.12	63	51608	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	3.96	46	79429	48.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.02%
24) Chloroform-d	4.38	84	61864	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.06	65	32789	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.07	84	120389	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.10	67	37027	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.34	98	110969	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
45) trans-1,3-Dichloropropene-	7.65	79	13311	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
48) 2-Hexanone-d5	8.12	63	64670	49.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26956	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	38968	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	31037	3.138	ug/L 99
6) Bromomethane	1.53	94	17284	3.413	ug/L 98
9) Trichlorofluoromethane	1.76	101	79502	6.832	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	586	0.092	ug/L # 42
12) 1,1-Dichloroethene	2.13	96	18840	3.108	ug/L # 77
13) Acetone	2.24	43	62168	61.341	ug/L 92
14) Carbon disulfide	2.31	76	80367	4.277	ug/L 99
15) Methyl Acetate	2.24	43	60561	23.385	ug/L # 53
16) Methylene chloride	2.52	84	14051	2.022	ug/L 92
17) Methyl tert-butyl Ether	2.80	73	120808	8.094	ug/L 99
19) 1,1-Dichloroethane	3.21	63	99314	7.881	ug/L 99
21) 2-Butanone	4.05	43	191712	106.337	ug/L 92
22) cis-1,2-Dichloroethene	3.95	96	791	0.101	ug/L 79
27) 1,2-Dichloroethane	5.16	62	61561	7.061	ug/L 97
29) 1,1,1-Trichloroethane	4.63	97	95048	8.060	ug/L 100
30) Cyclohexane	4.69	56	135126	10.692	ug/L 99
31) Carbon tetrachloride	4.63	117	11485	1.149	ug/L 97

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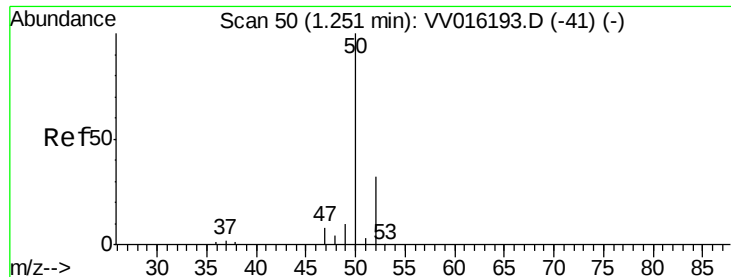
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
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 Response via : Initial Calibration

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

34) Trichloroethene	5.94	95	37549	5.041	ug/L	98
35) Methylcyclohexane	6.15	83	76300	6.074	ug/L	99
37) 1,2-Dichloropropane	6.20	63	15001	2.139	ug/L	99
42) Toluene	7.41	91	254857	8.174	ug/L	99
43) 1,3,5-Trimethylbenzene	9.95	105	111836	3.940	ug/L #	68
44) 1,2,4-Trimethylbenzene	9.95	105	111836	3.825	ug/L #	72
47) 1,1,2-Trichloroethane	7.99	97	419	0.091	ug/L #	1
49) Tetrachloroethene	8.00	164	44698	8.359	ug/L	98
50) 2-Hexanone	8.17	43	161871	53.202	ug/L	99
51) Dibromochloromethane	8.00	129	42281	8.655	ug/L #	10
52) 1,2-Dibromoethane	8.38	107	66915	15.441	ug/L	95
53) Chlorobenzene	8.90	112	199628	10.361	ug/L	98
54) Ethylbenzene	9.03	91	219609	6.319	ug/L	100
55) m,p-xylene	9.16	106	166200	12.753	ug/L	99
56) o-xylene	9.57	106	64894	5.225	ug/L	99
57) Styrene	9.58	104	111968	5.417	ug/L	100
58) Isopropylbenzene	9.95	105	111836	3.287	ug/L	99
62) Bromoform	9.75	173	11402	5.591	ug/L	99
63) 1,3-Dichlorobenzene	11.30	146	61824	4.272	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	61824	4.204	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	156819	11.988	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	3741	4.234	ug/L	97
68) 1,3,5-Trichlorobenzene	12.67	180	56196	5.487	ug/L	99
70) Naphthalene	13.53	128	4193	0.213	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	83302	10.271	ug/L	100

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



#3

Chloromethane

Concen: 3.138 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

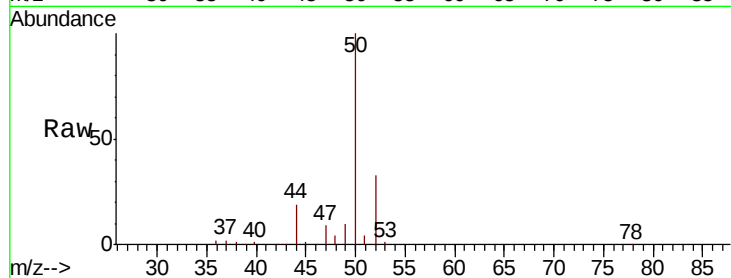
ClientSampleId :

Tot Ion: 50 Resp: 31037

Ion Ratio Lower Upper

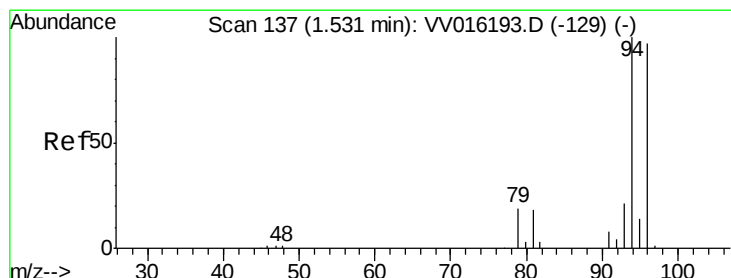
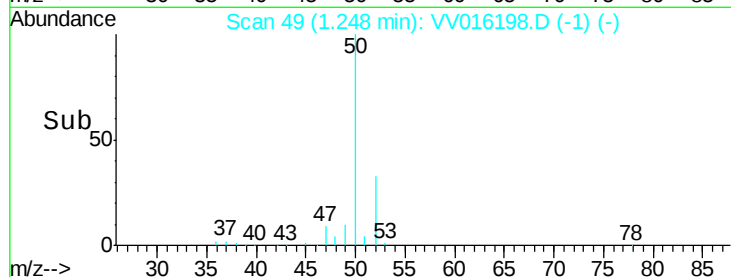
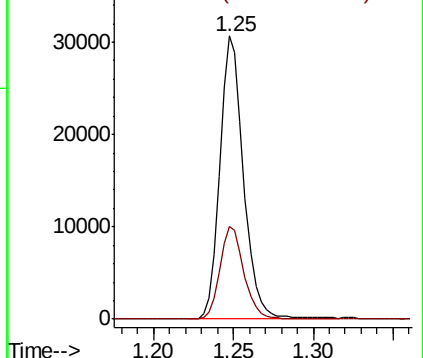
50 100

52 33.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 3.413 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016198.D

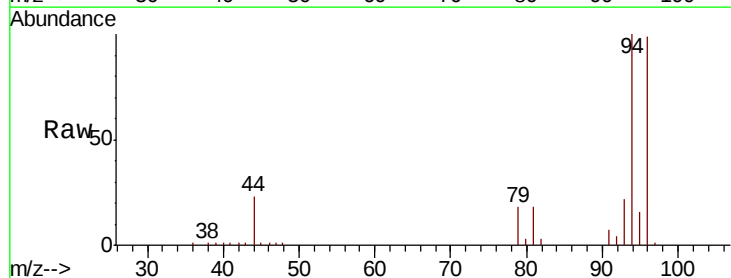
Acq: 26 May 2020 18:20

Tgt Ion: 94 Resp: 17284

Ion Ratio Lower Upper

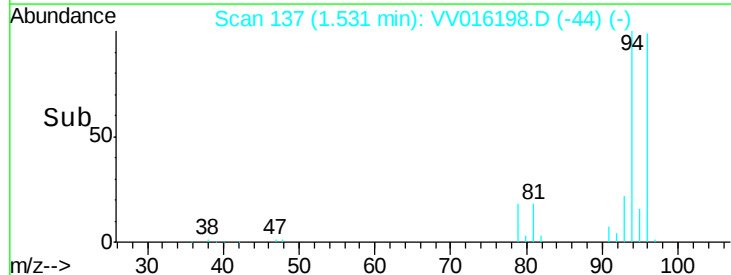
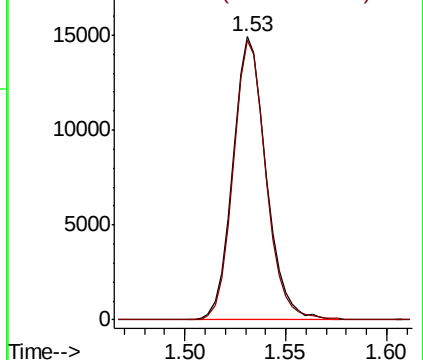
94 100

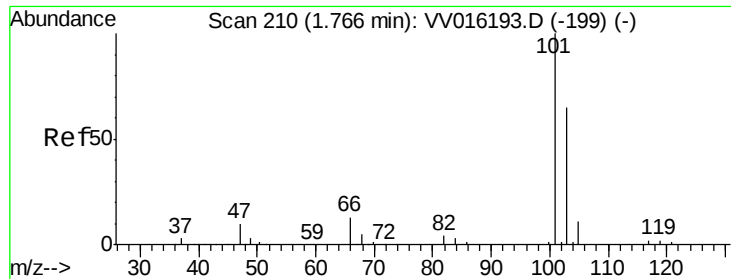
96 99.0 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



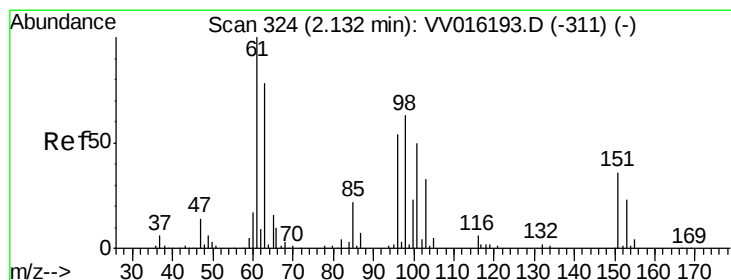
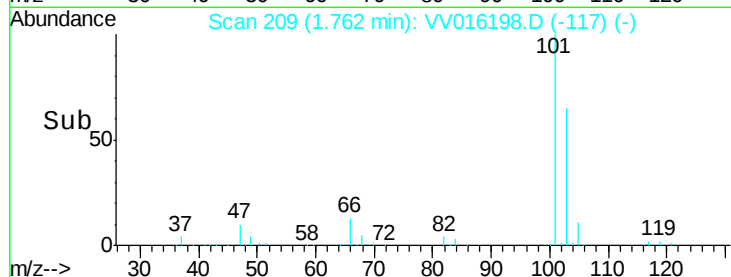
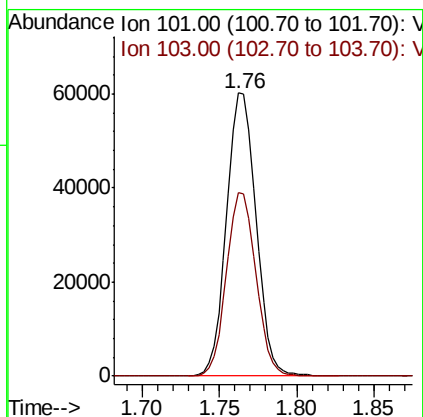
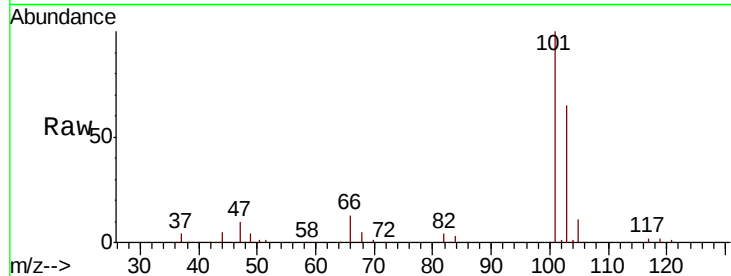


#9

Trichlorofluoromethane
 Concen: 6.832 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Instrument :
 MSVOA_V
 ClientSampleId :

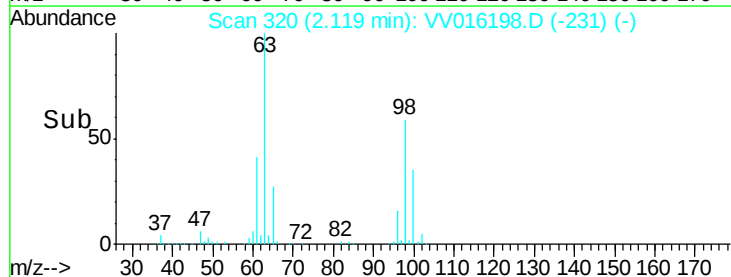
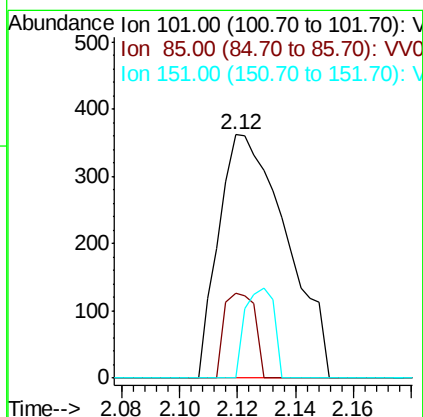
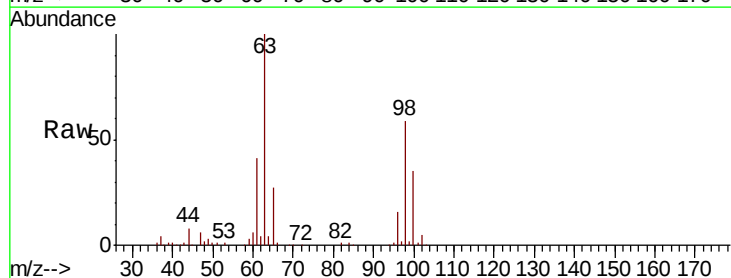
Tot Ion:101 Resp: 79502
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.9 77.9

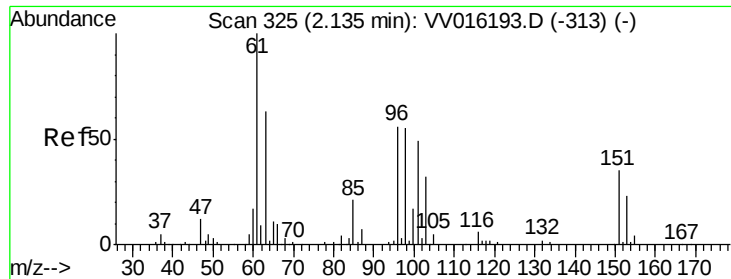


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.092 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Tgt Ion:101 Resp: 586
 Ion Ratio Lower Upper
 101 100
 85 15.5 35.0 52.6#
 151 15.7 56.3 84.5#





#12

1,1-Dichloroethene

Concen: 3.108 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

ClientSampleId :

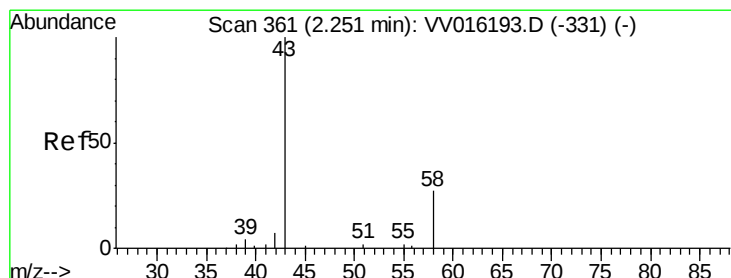
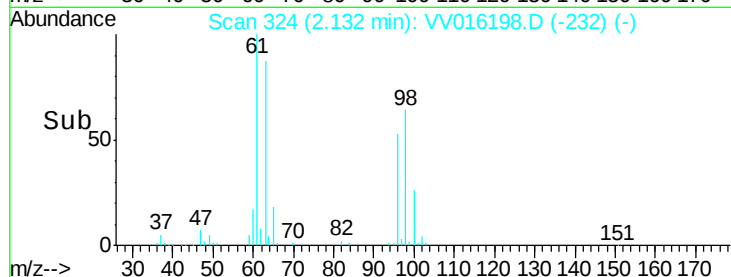
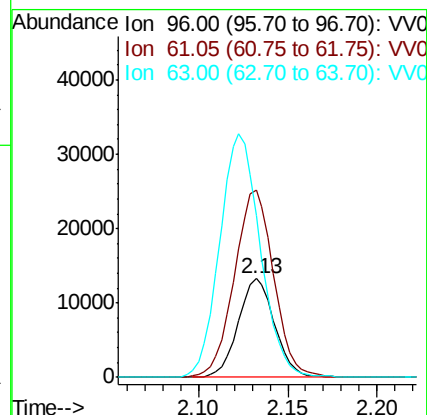
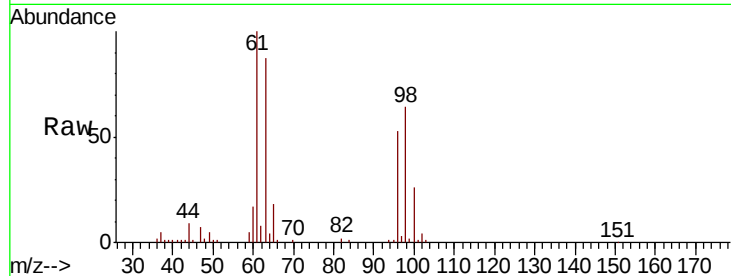
Tot Ion: 96 Resp: 18840

Ion Ratio Lower Upper

96 100

61 189.8 124.9 231.9

63 164.8 80.4 149.2#



#13

Acetone

Concen: 61.341 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

Lab File: VV016198.D

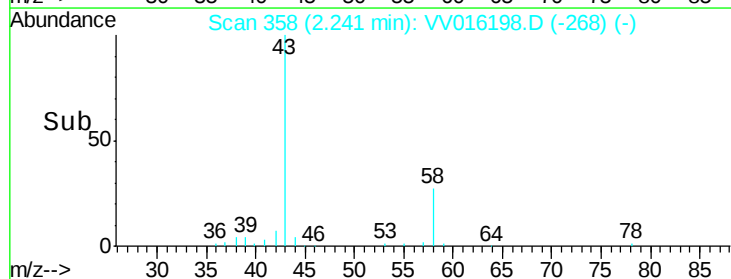
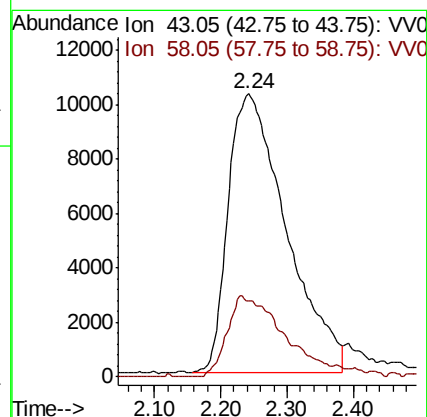
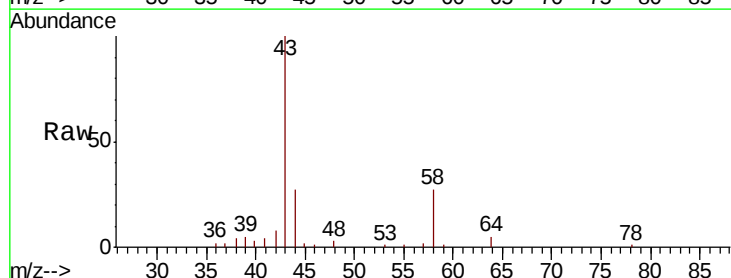
Acq: 26 May 2020 18:20

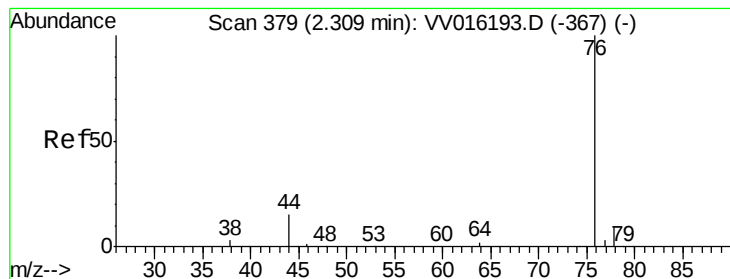
Tgt Ion: 43 Resp: 62168

Ion Ratio Lower Upper

43 100

58 28.2 0.0 48.8





#14

Carbon disulfide

Concen: 4.277 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

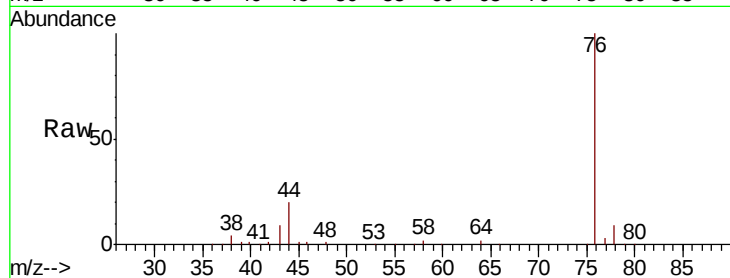
ClientSampleId :

Tot Ion: 76 Resp: 80367

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

60000

50000

40000

30000

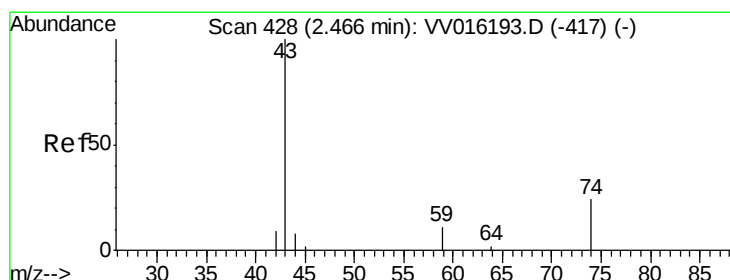
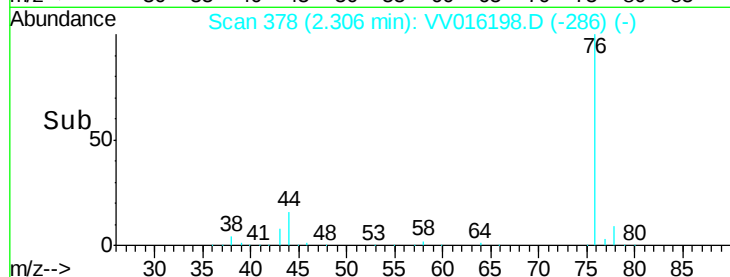
20000

10000

0

Time-->

2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 23.385 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.22 min

Lab File: VV016198.D

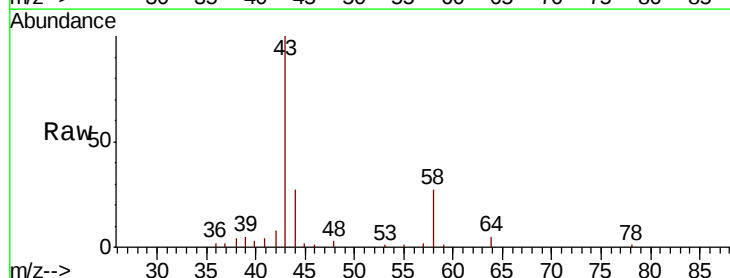
Acq: 26 May 2020 18:20

Tgt Ion: 43 Resp: 60561

Ion Ratio Lower Upper

43 100

74 0.0 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

12000

10000

8000

6000

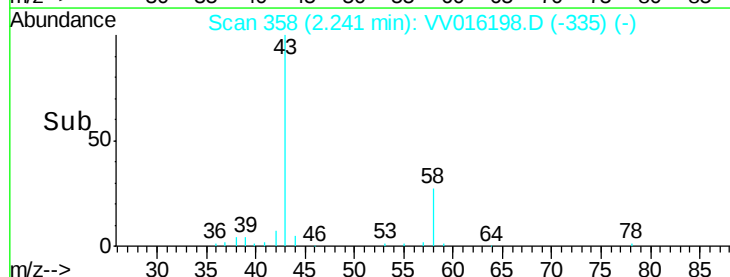
4000

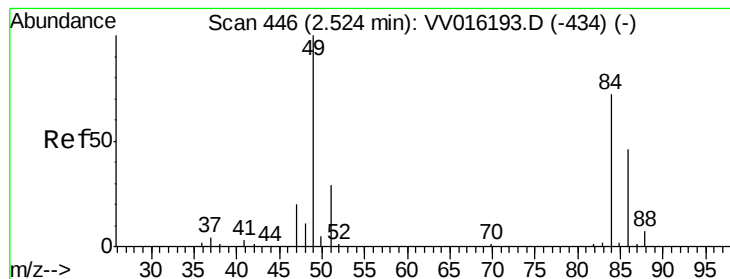
2000

0

Time-->

2.10 2.20 2.30 2.40





#16

Methvlene chloride

Concen: 2.022 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :
MSVOA_V
ClientSampled :

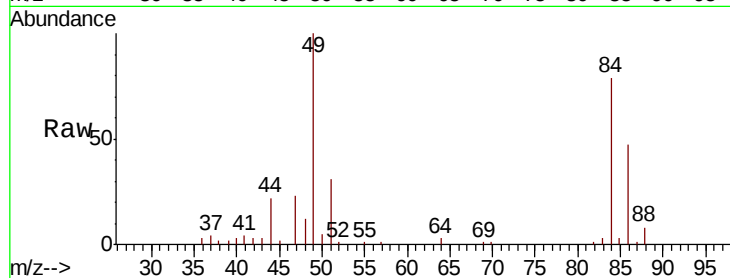
Tot Ion: 84 Resp: 14051

Ion Ratio Lower Upper

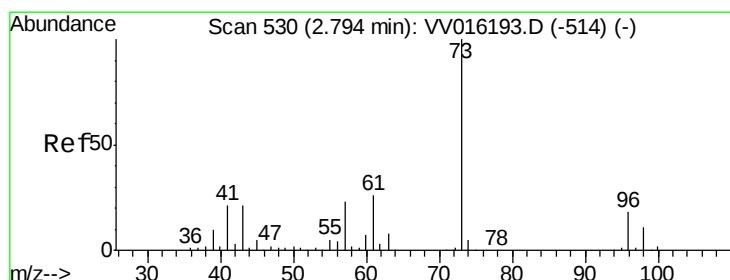
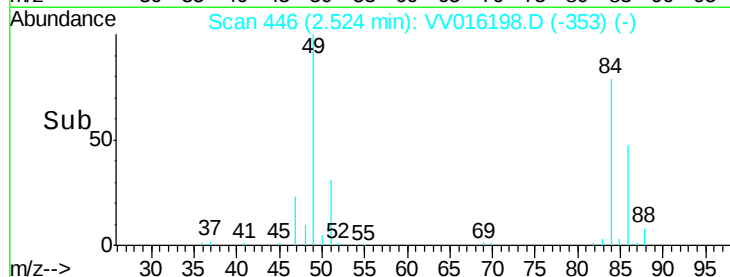
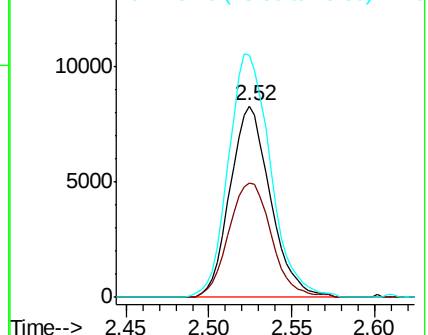
84 100

86 59.9 44.9 83.5

49 126.5 96.7 179.7



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 8.094 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

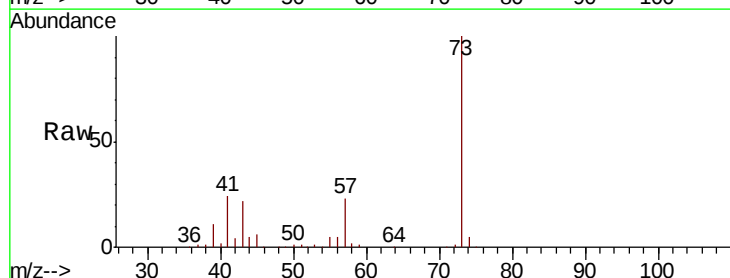
Tgt Ion: 73 Resp: 120808

Ion Ratio Lower Upper

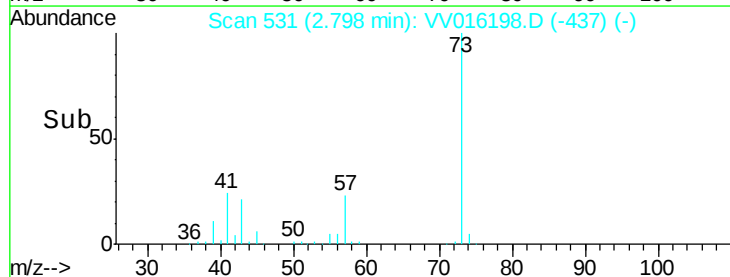
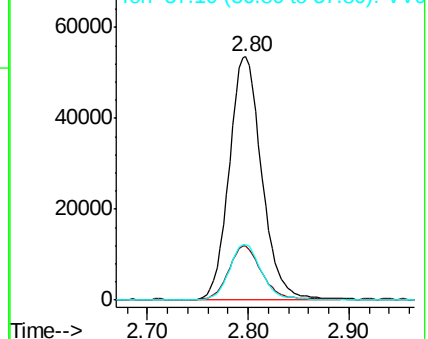
73 100

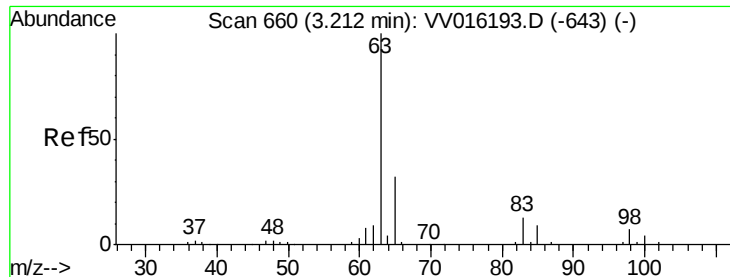
43 21.9 17.8 26.8

57 22.7 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

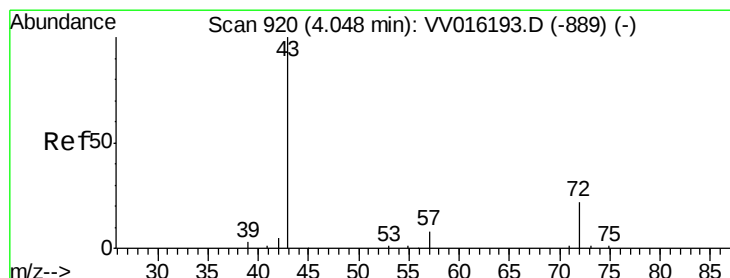
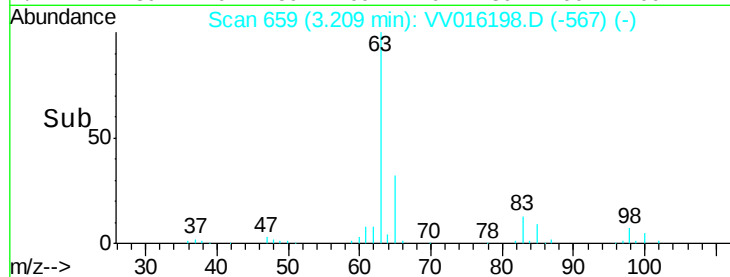
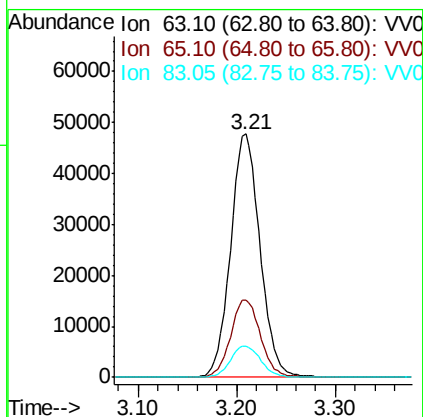
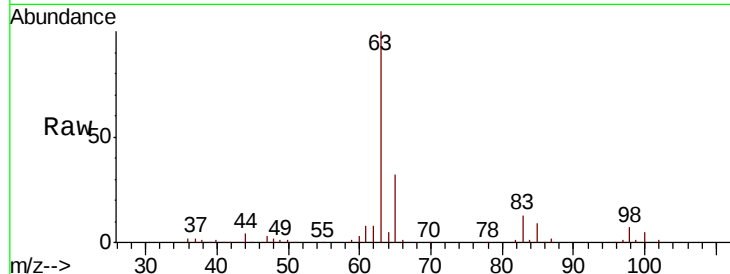




#19
 1,1-Dichloroethane
 Concen: 7.881 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

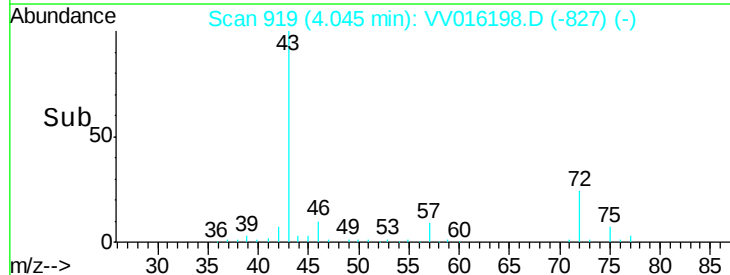
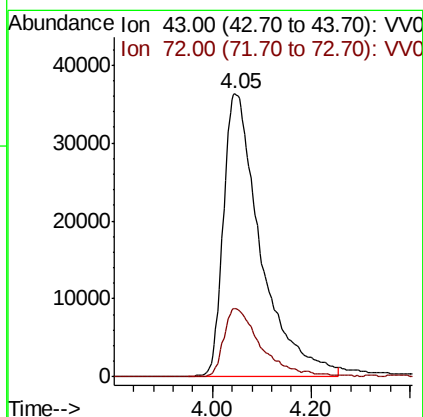
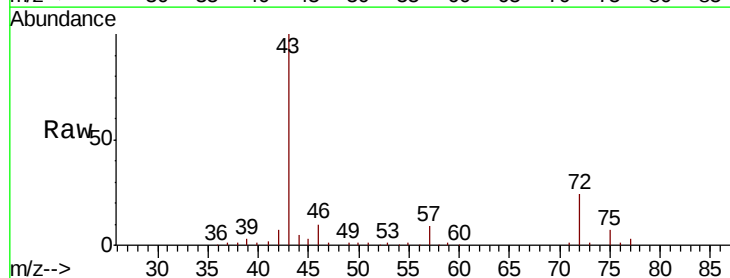
Instrument :
 MSVOA_V
 ClientSampleId :

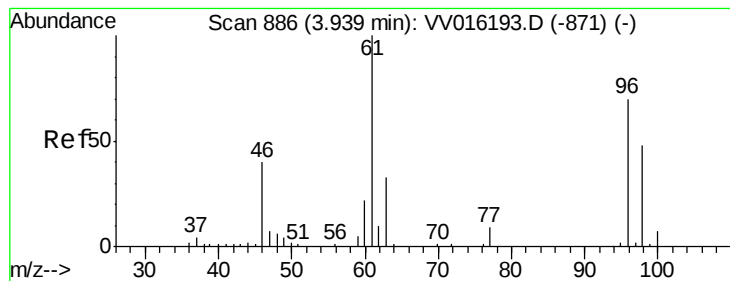
Tot Ion: 63 Resp: 99314
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.5
 83 12.9 9.4 17.4



#21
 2-Butanone
 Concen: 106.337 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Tgt Ion: 43 Resp: 191712
 Ion Ratio Lower Upper
 43 100
 72 23.1 9.7 28.9



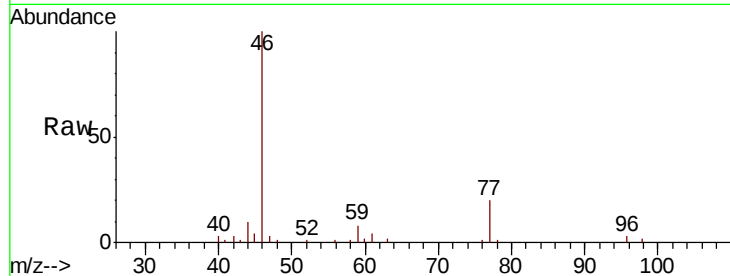


#22

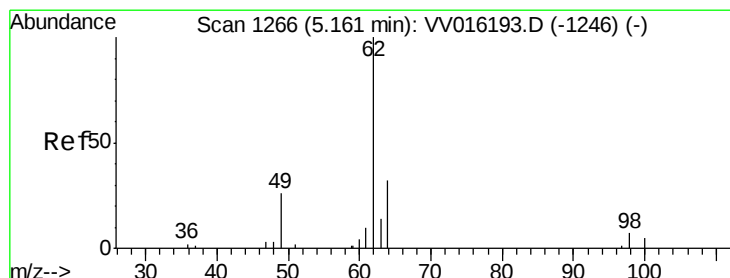
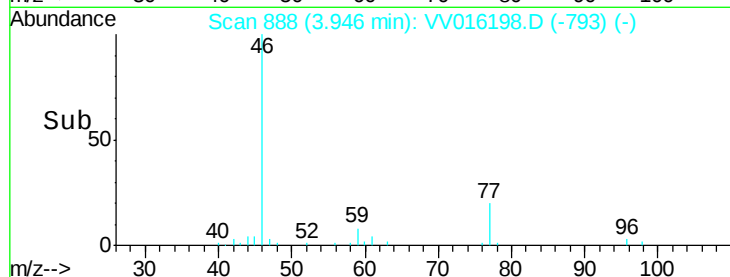
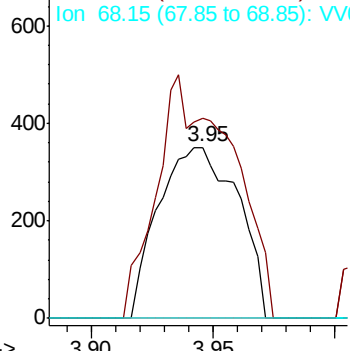
cis-1,2-Dichloroethene
Concen: 0.101 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 791
Ion Ratio Lower Upper
96 100
61 117.1 99.7 185.1
68 0.0 0.0 0.0



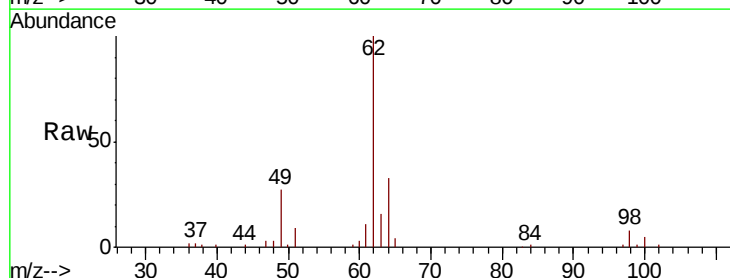
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



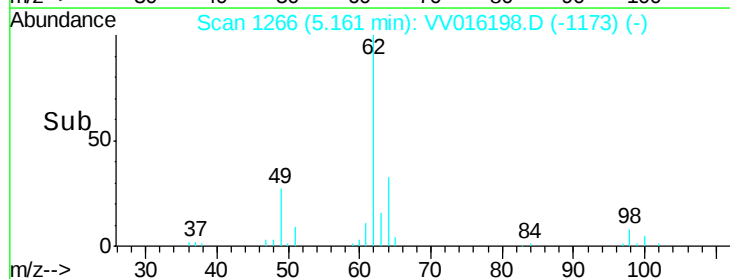
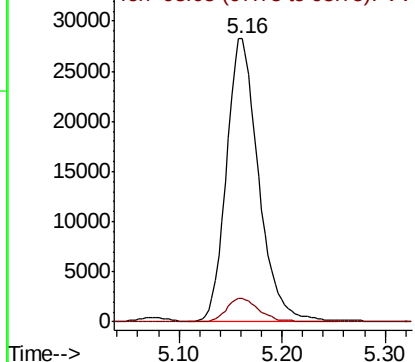
#27

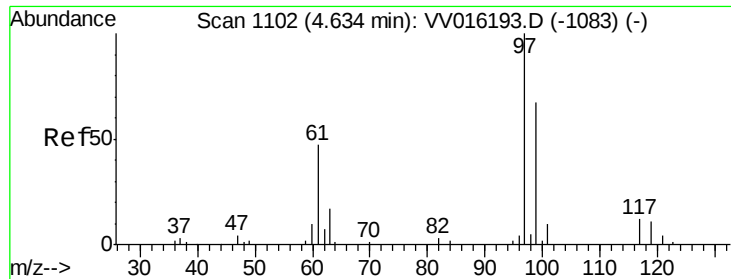
1,2-Dichloroethane
Concen: 7.061 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

Tgt Ion: 62 Resp: 61561
Ion Ratio Lower Upper
62 100
98 8.1 5.7 8.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

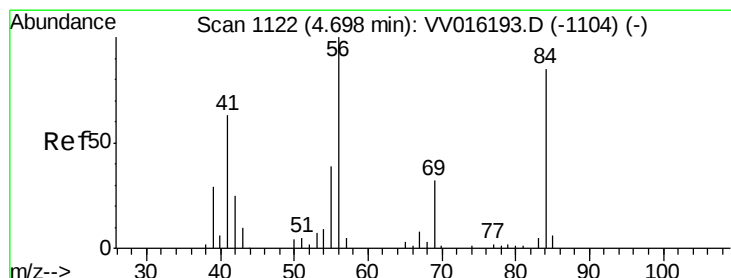
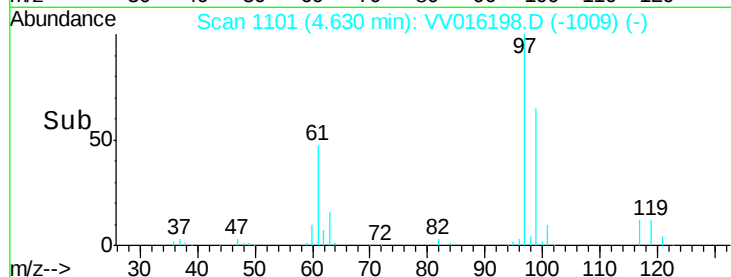
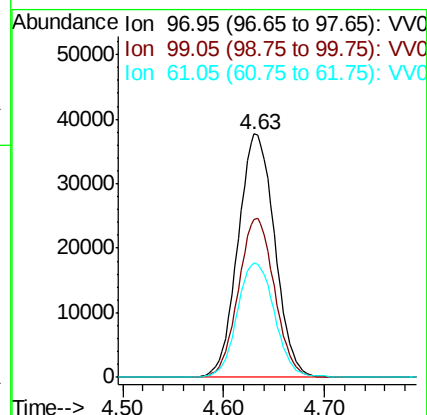
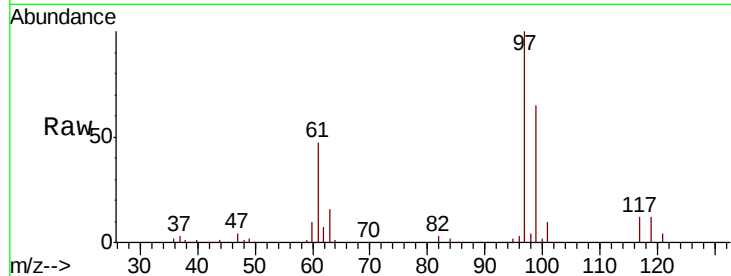




#29
1,1,1-Trichloroethane
Concen: 8.060 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

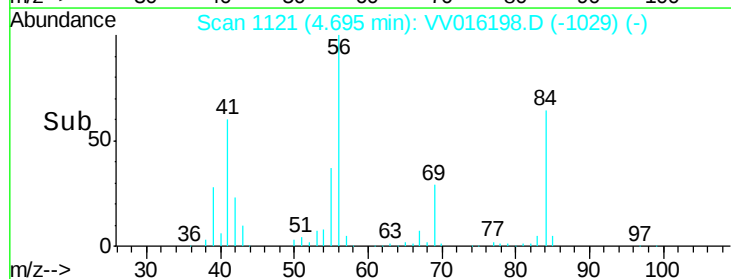
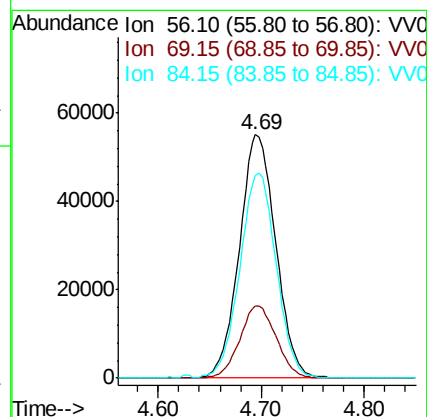
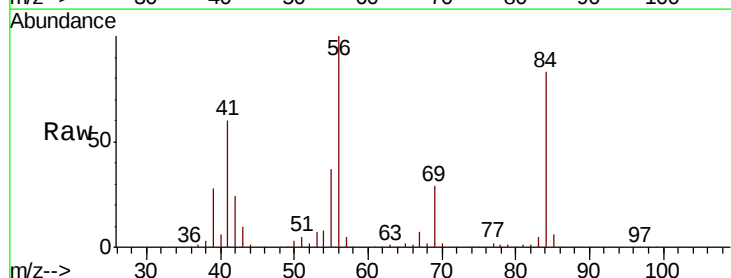
Instrument :
MSVOA_V
ClientSampled :

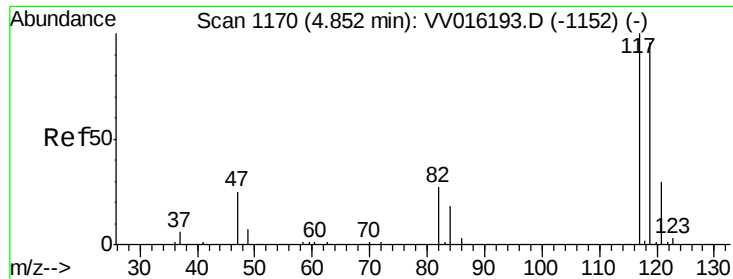
Tot Ion: 97 Resp: 95048
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 47.8 38.6 57.8



#30
Cyclohexane
Concen: 10.692 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

Tgt Ion: 56 Resp: 135126
Ion Ratio Lower Upper
56 100
69 29.7 24.6 36.8
84 84.3 67.1 100.7





#31

Carbon tetrachloride

Concen: 1.149 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.22 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

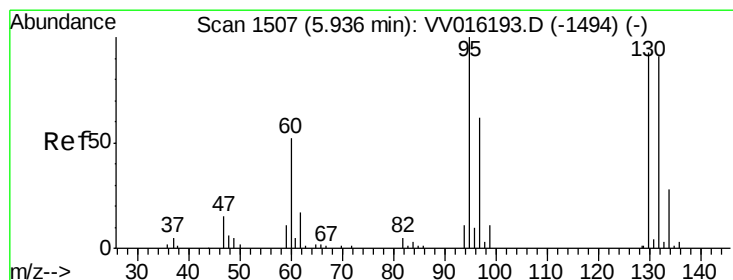
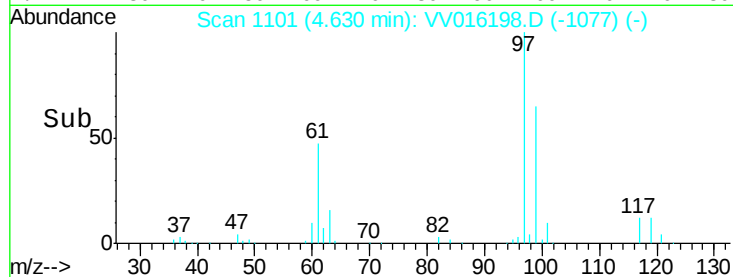
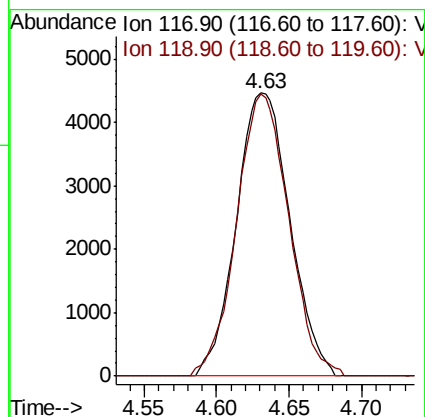
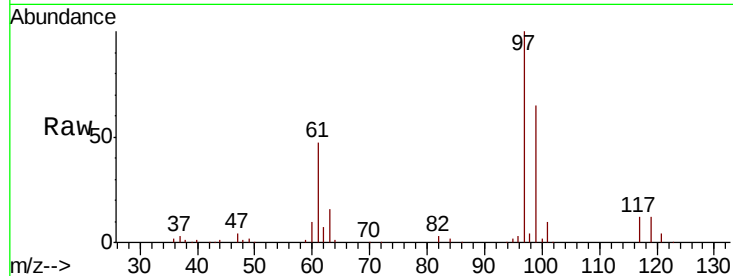
ClientSampleId :

Tot Ion:117 Resp: 11485

Ion Ratio Lower Upper

117 100

119 97.0 75.2 112.8



#34

Trichloroethene

Concen: 5.041 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Tgt Ion: 95 Resp: 37549

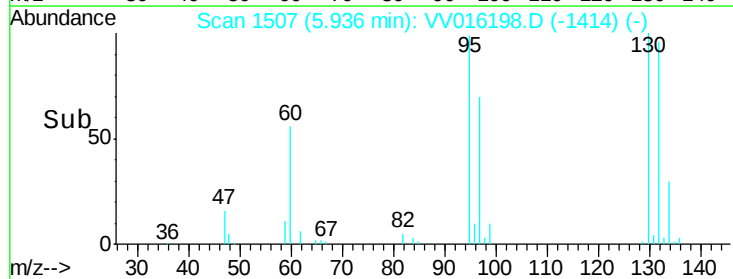
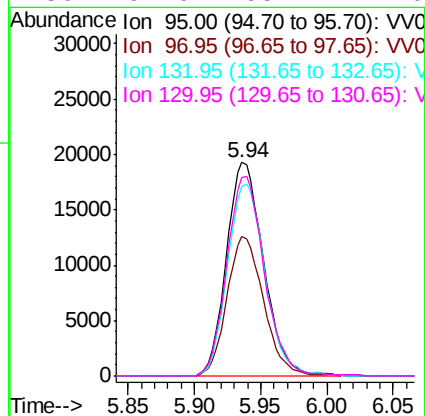
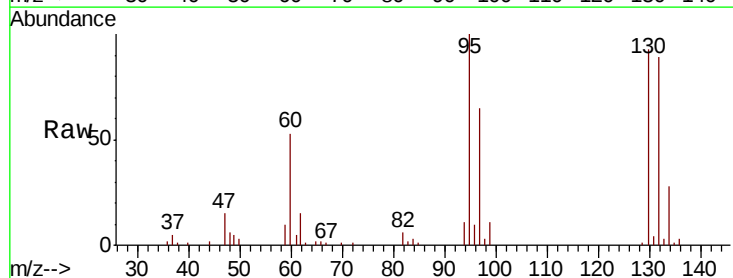
Ion Ratio Lower Upper

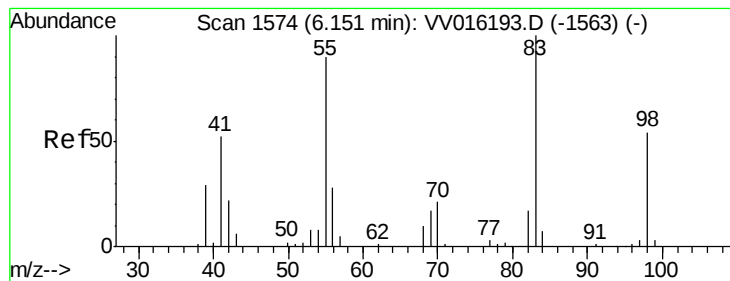
95 100

97 65.1 43.6 81.0

132 88.8 63.9 118.7

130 92.9 65.2 121.0





#35

Methvlcvclohexane

Concen: 6.074 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :
MSVOA_V
ClientSampleId :

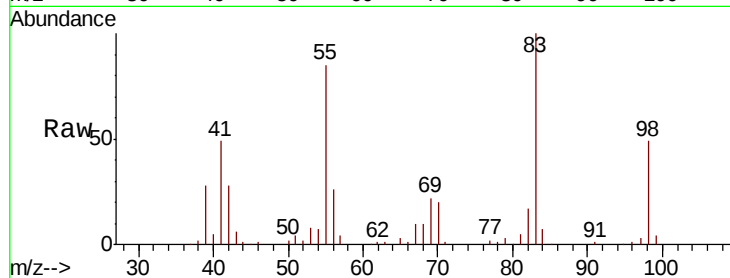
Tot Ion: 83 Resp: 76300

Ion Ratio Lower Upper

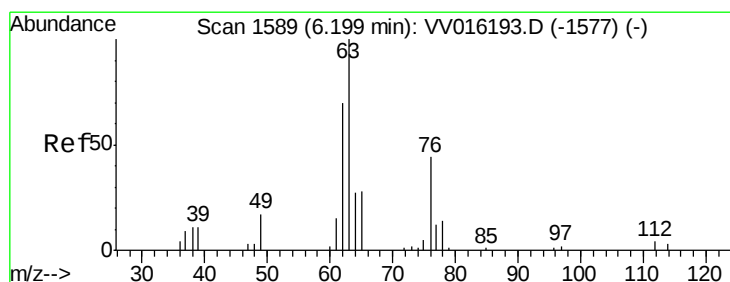
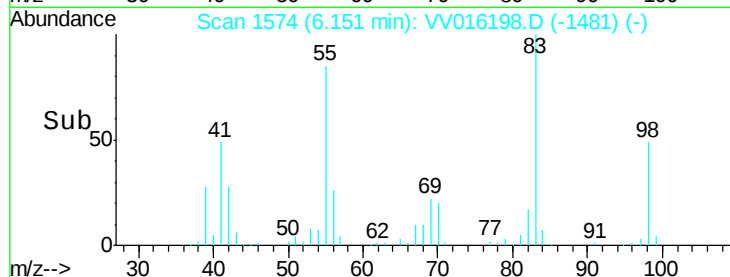
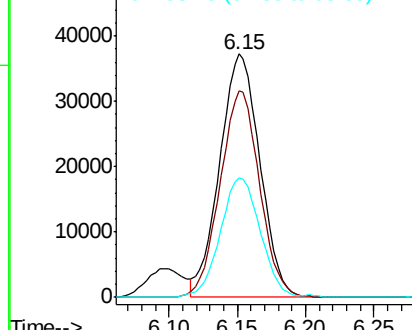
83 100

55 83.4 65.4 98.0

98 48.8 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 2.139 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VV016198.D

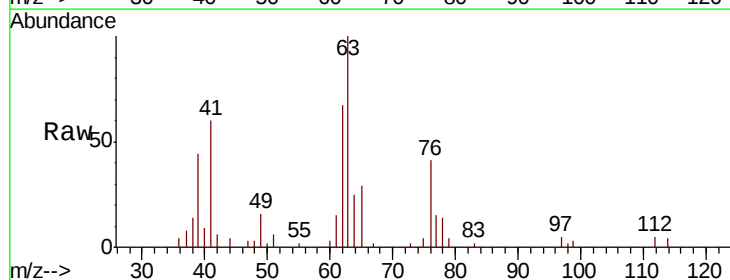
Acq: 26 May 2020 18:20

Tgt Ion: 63 Resp: 15001

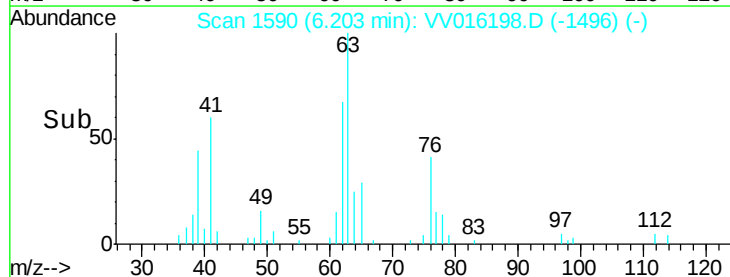
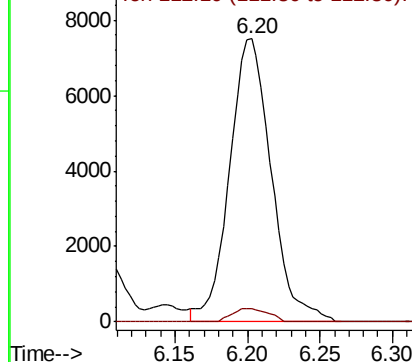
Ion Ratio Lower Upper

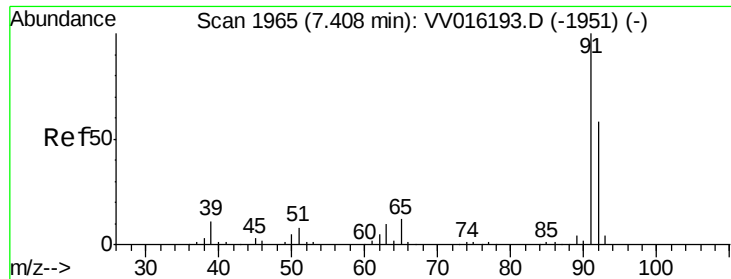
63 100

112 4.1 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 8.174 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

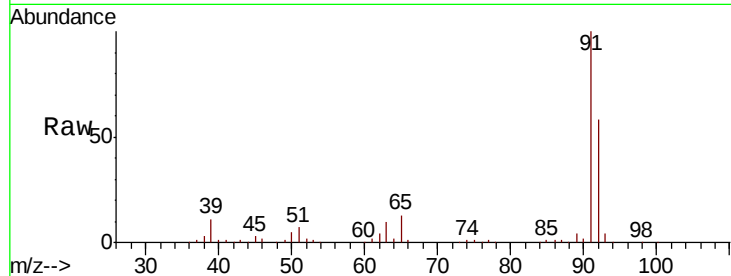
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 254857

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016198.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016198.D (-1951) (-)

7.41

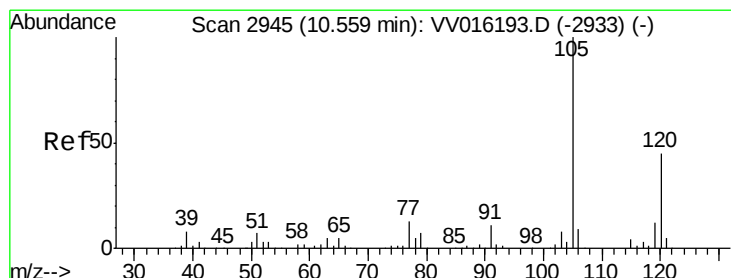
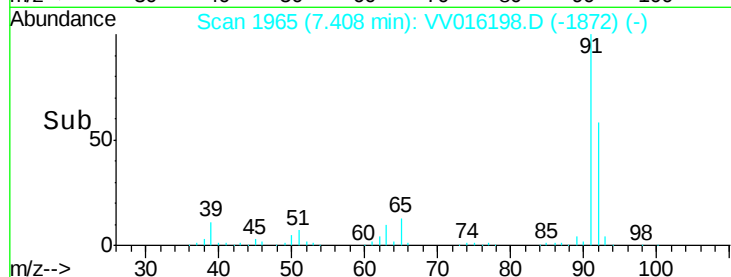
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 3.940 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.61 min

Lab File: VV016198.D

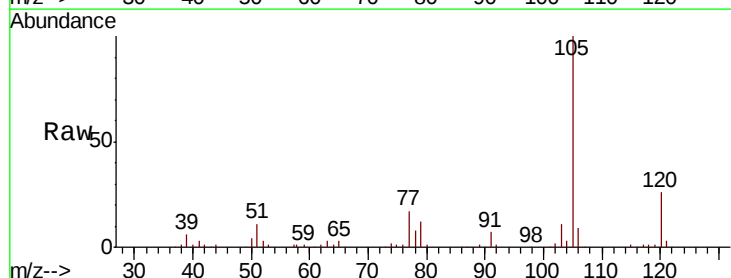
Acq: 26 May 2020 18:20

Tgt Ion:105 Resp: 111836

Ion Ratio Lower Upper

105 100

120 25.7 37.4 56.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016198.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016198.D (-2323) (-)

9.95

80000

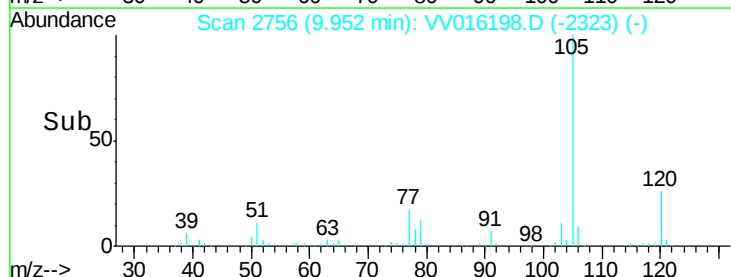
60000

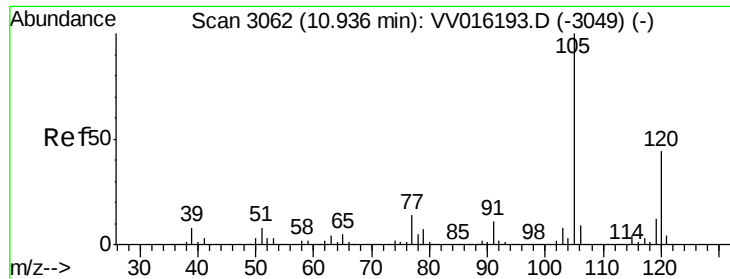
40000

20000

0

Time-->

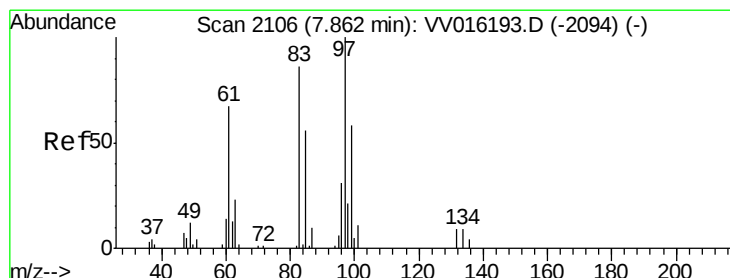
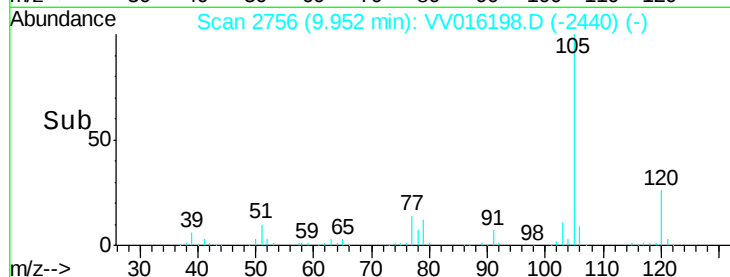
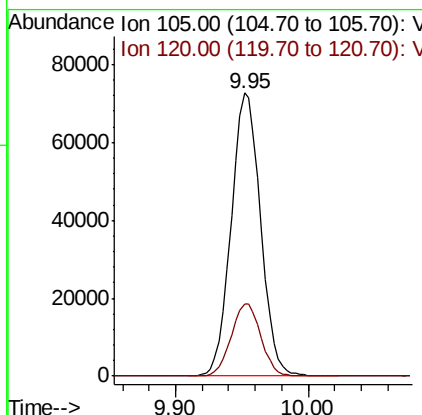
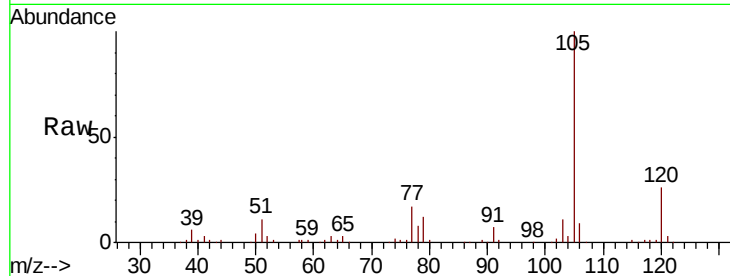




#44
 1,2,4-Trimethylbenzene
 Concen: 3.825 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.98 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

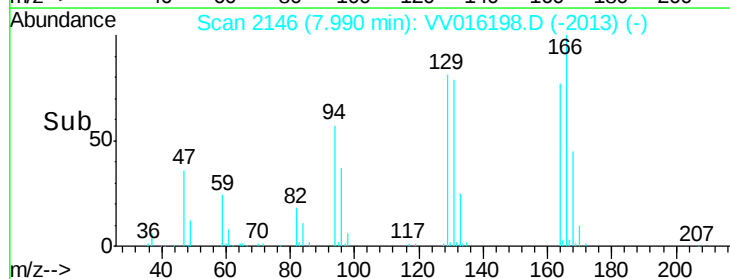
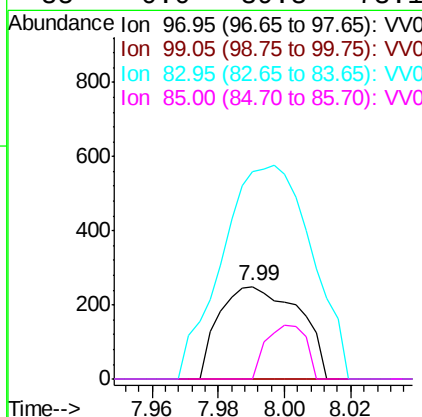
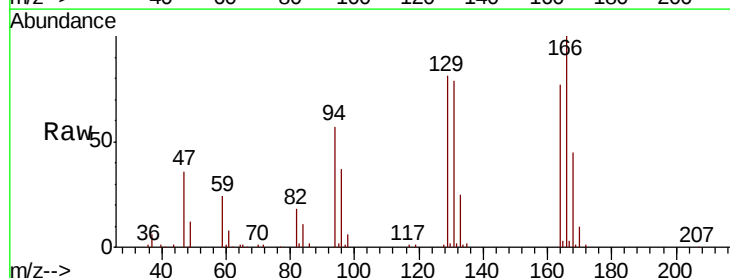
Instrument :
 MSVOA_V
 ClientSampleId :

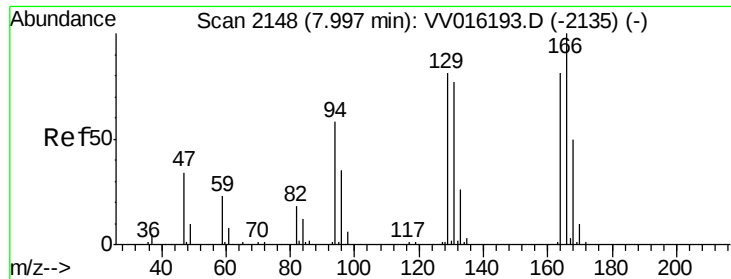
Tot Ion:105 Resp: 111836
 Ion Ratio Lower Upper
 105 100
 120 25.7 34.6 52.0#



#47
 1,1,2-Trichloroethane
 Concen: 0.091 ug/L
 RT: 7.99 min Scan# 2146
 Delta R.T. 0.13 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Tgt Ion: 97 Resp: 419
 Ion Ratio Lower Upper
 97 100
 99 0.0 40.8 75.8#
 83 224.0 60.0 111.4#
 85 0.0 39.3 73.1#





#49

Tetrachloroethene

Concen: 8.359 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 44698

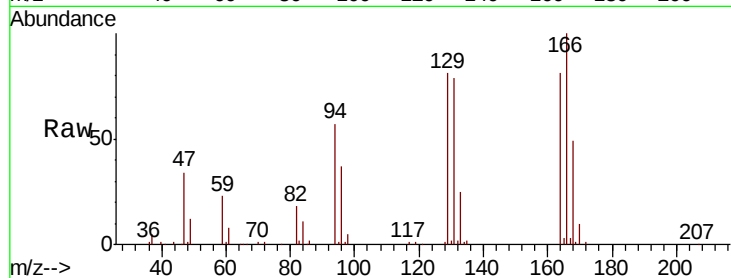
Ion Ratio Lower Upper

164 100

129 99.7 70.7 131.3

131 98.1 66.6 123.8

166 123.6 86.9 161.5



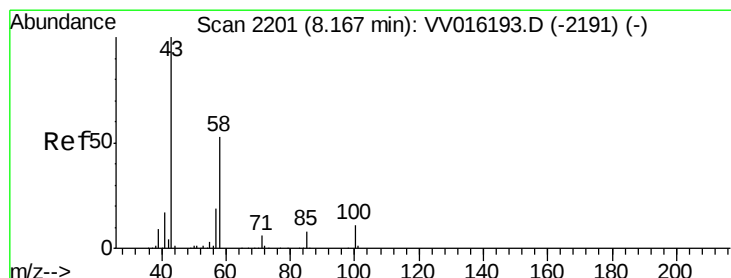
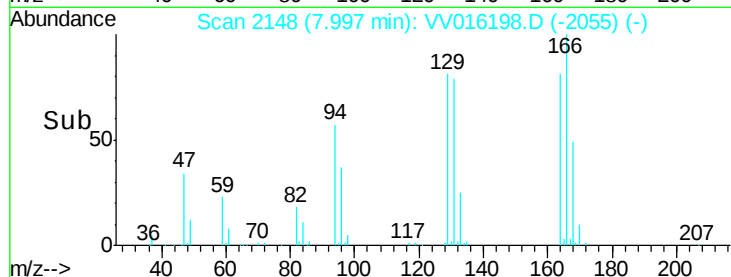
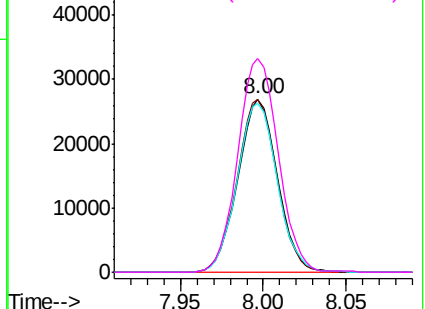
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 53.202 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Tgt Ion: 43 Resp: 161871

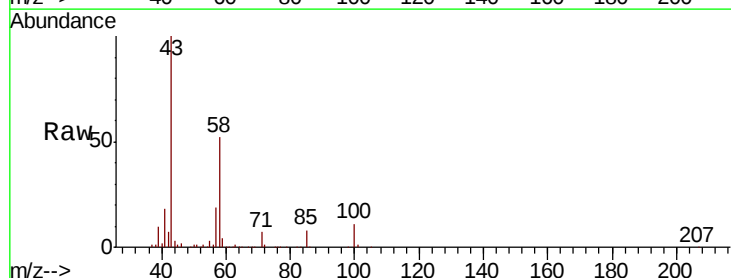
Ion Ratio Lower Upper

43 100

58 52.6 41.4 62.0

57 18.5 15.0 22.4

100 11.1 9.0 13.4



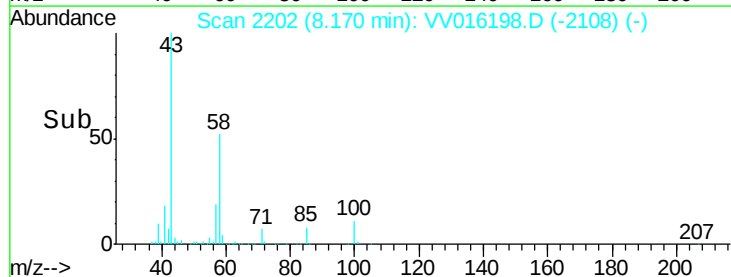
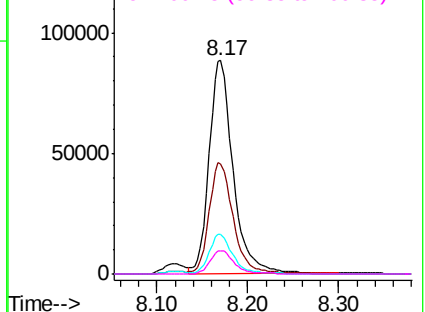
Abundance

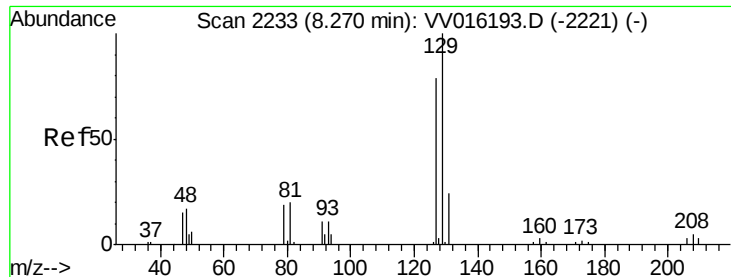
Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

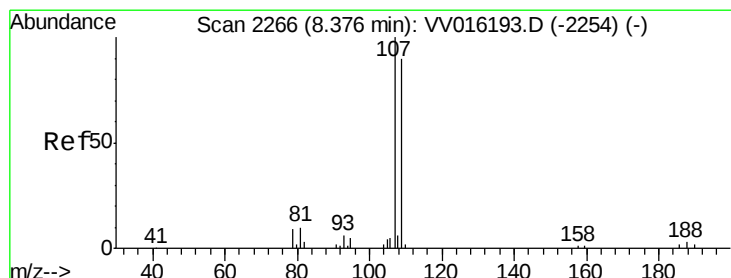
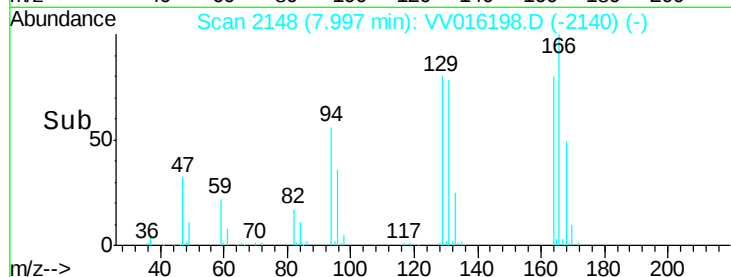
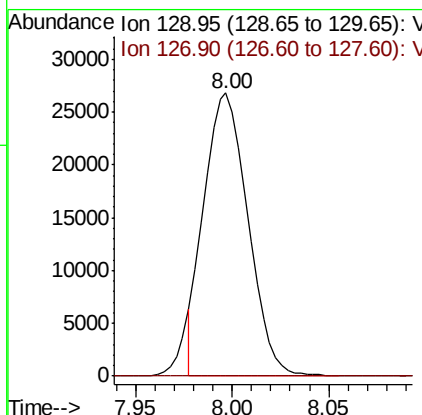
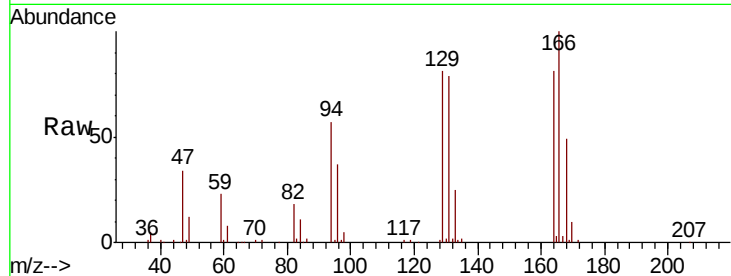




#51
 Dibromochloromethane
 Concen: 8.655 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

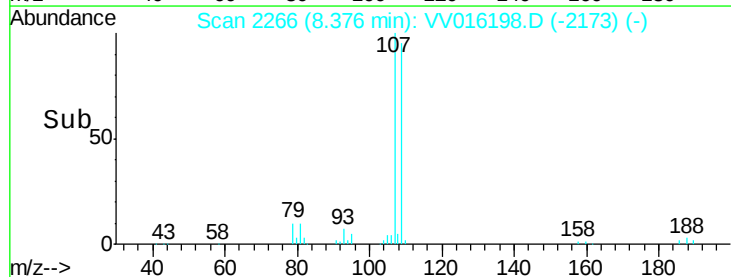
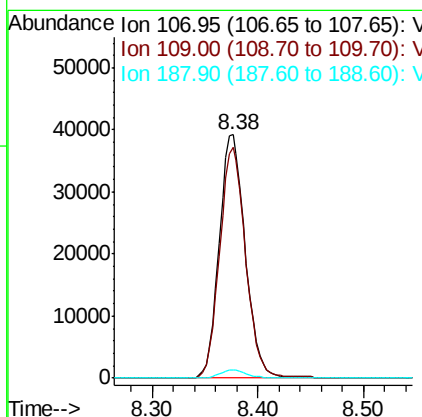
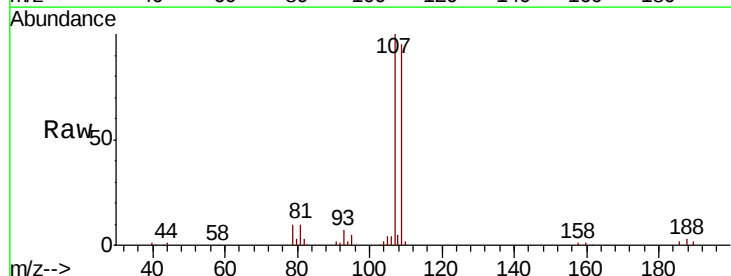
Instrument :
 MSVOA_V
 ClientSampleId :

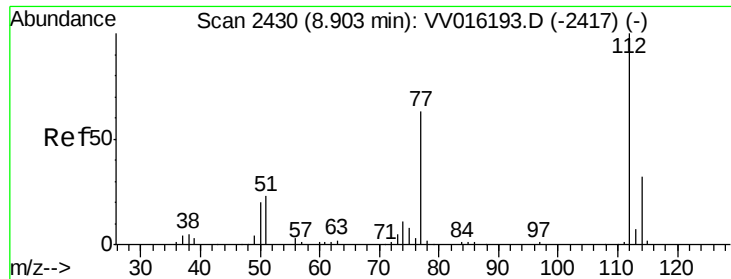
Tot Ion:129 Resp: 42281
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.2 102.4#



#52
 1,2-Dibromoethane
 Concen: 15.441 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Tgt Ion:107 Resp: 66915
 Ion Ratio Lower Upper
 107 100
 109 94.9 63.1 117.3
 188 3.4 2.6 4.0

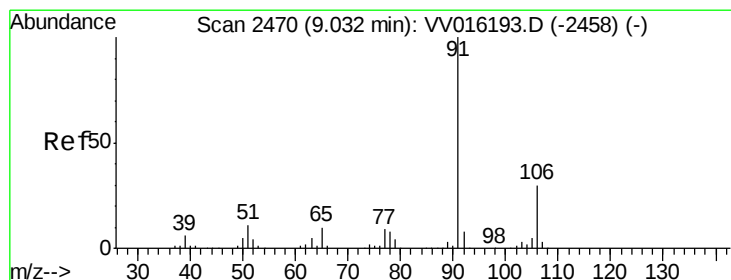
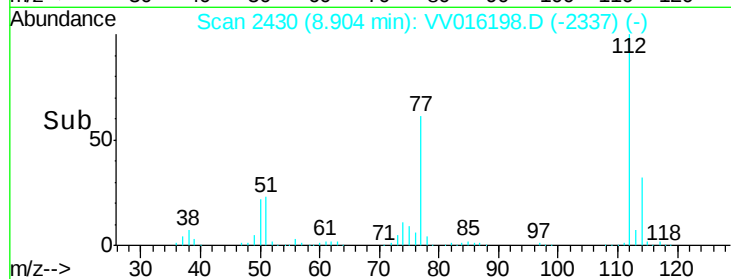
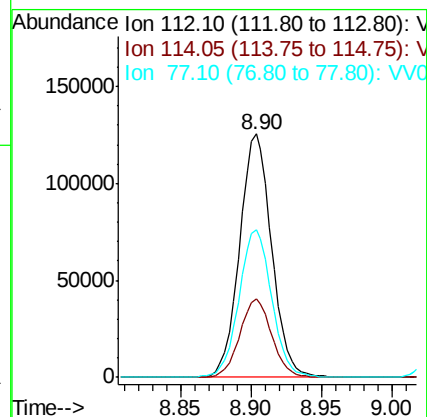
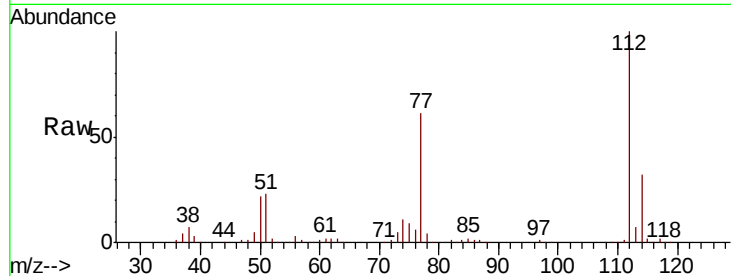




#53
Chlorobenzene
Concen: 10.361 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

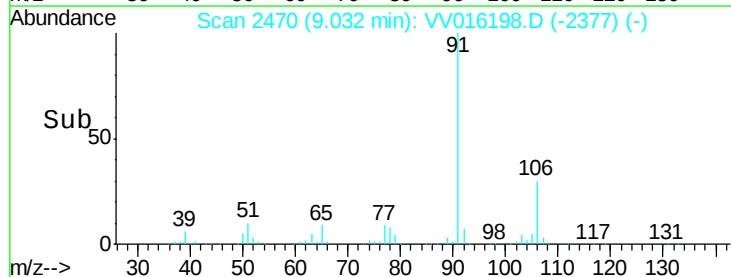
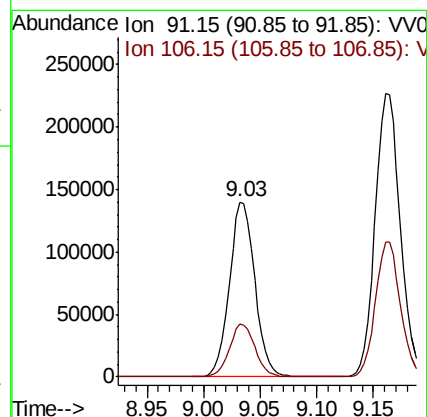
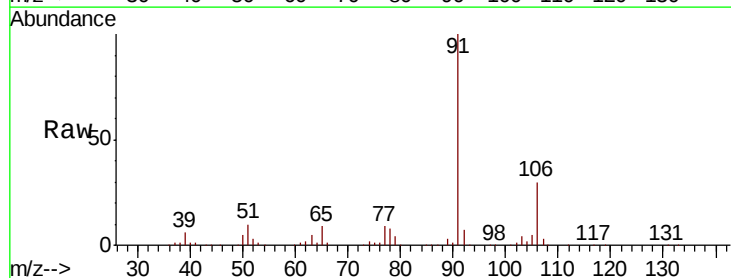
Instrument :
MSVOA_V
ClientSampleId :

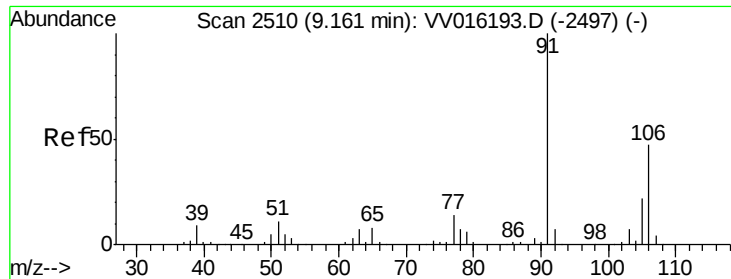
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	60.8	50.7	76.1



#54
Ethylbenzene
Concen: 6.319 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016198.D
Acq: 26 May 2020 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.0	39.0





#55

m,p-xylene

Concen: 12.753 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

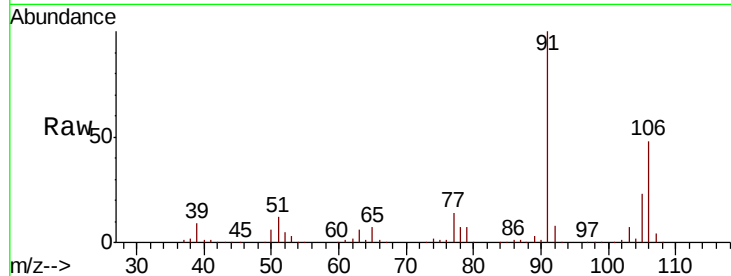
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 166200

Ion Ratio Lower Upper

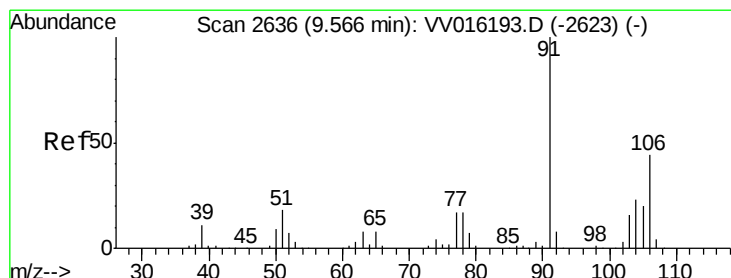
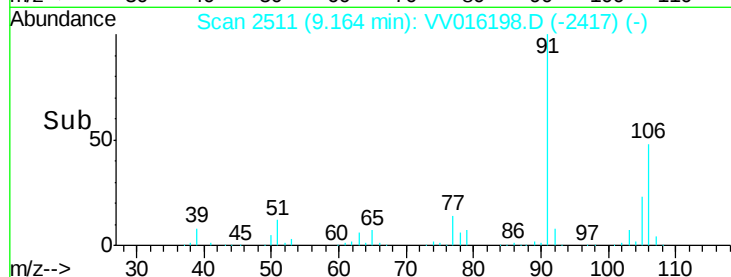
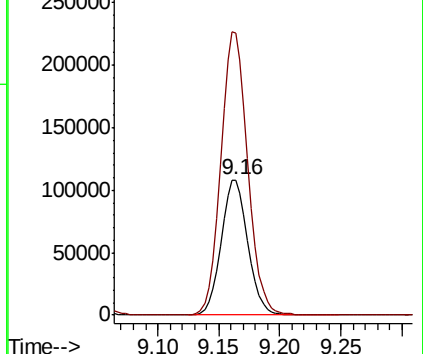
106 100

91 209.3 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 5.225 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016198.D

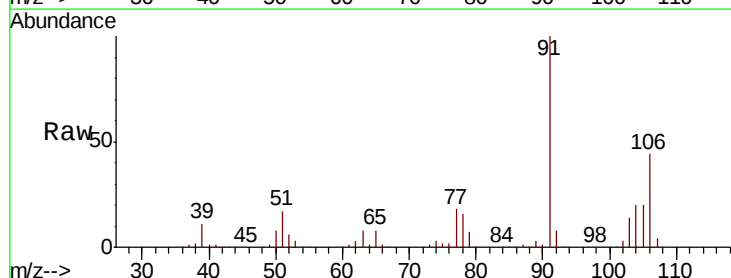
Acq: 26 May 2020 18:20

Tgt Ion:106 Resp: 64894

Ion Ratio Lower Upper

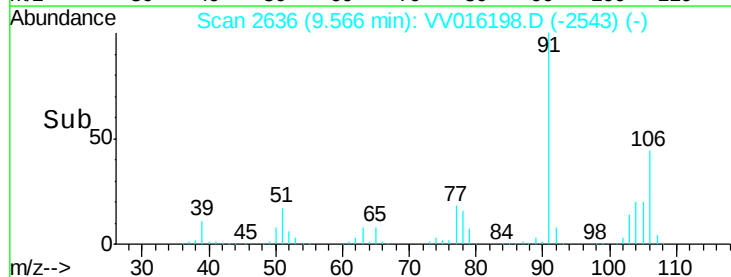
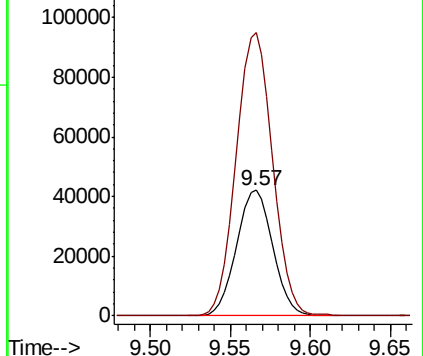
106 100

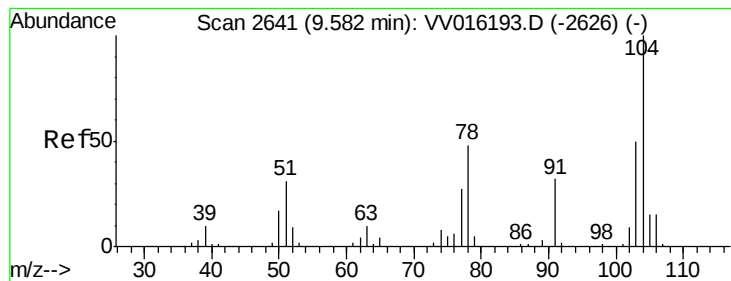
91 224.9 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 5.417 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

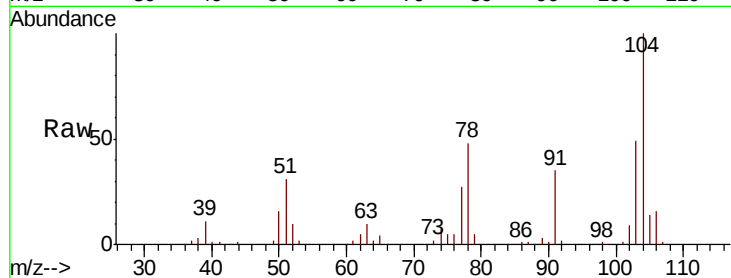
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 111968

Ion Ratio Lower Upper

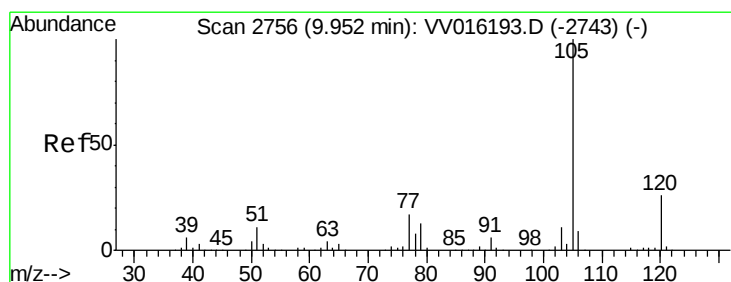
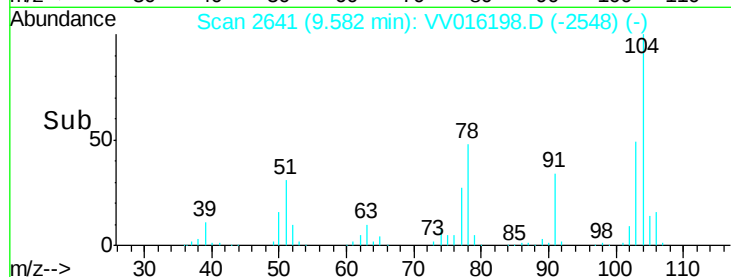
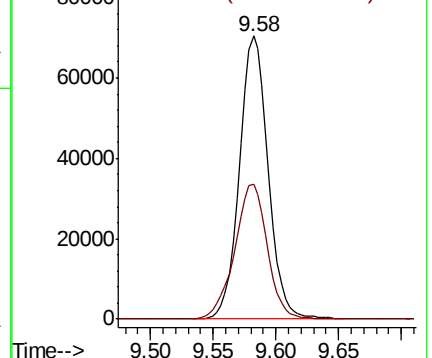
104 100

78 47.7 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 3.287 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

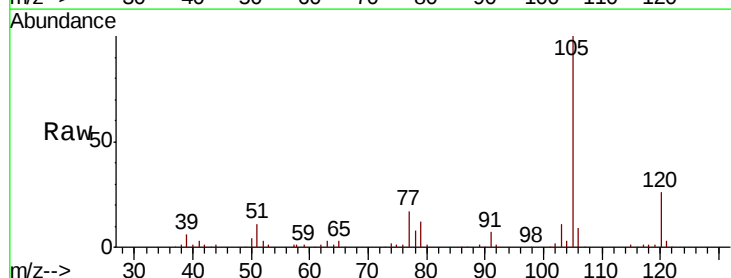
Tgt Ion:105 Resp: 111836

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

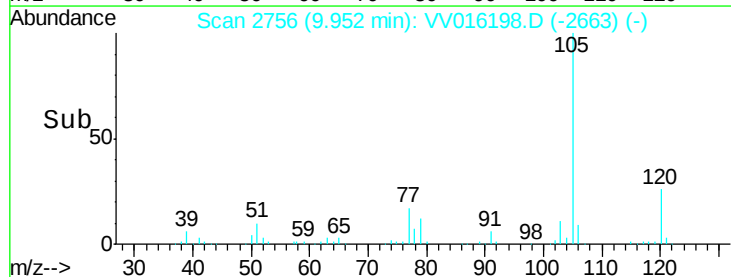
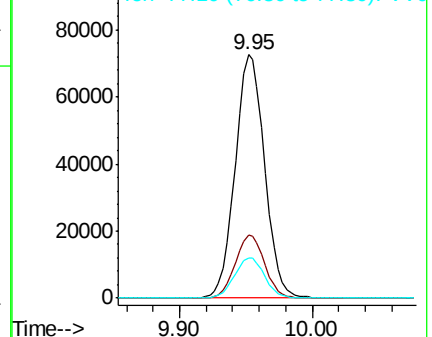
77 17.0 13.9 20.9

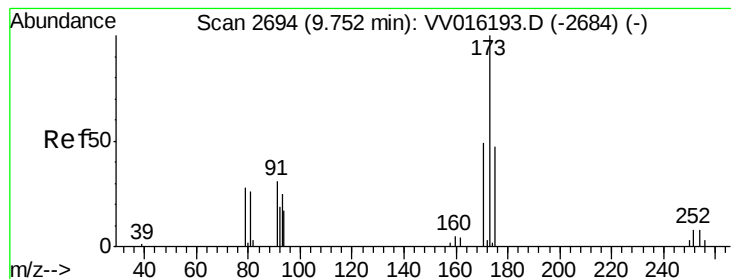


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#62

Bromoform

Concen: 5.591 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :
MSVOA_V
ClientSampleId :

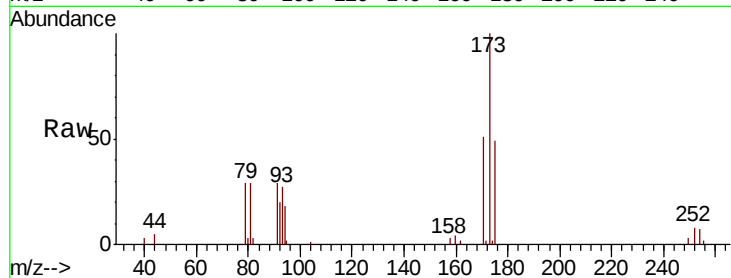
Tot Ion:173 Resp: 11402

Ion Ratio Lower Upper

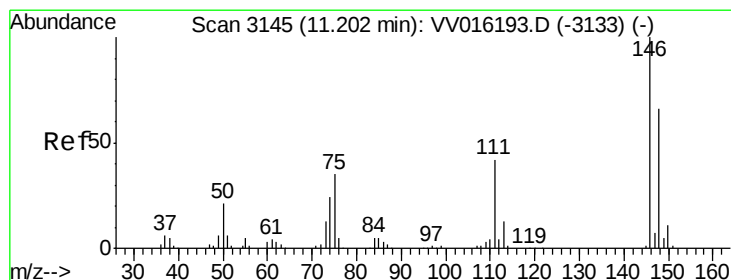
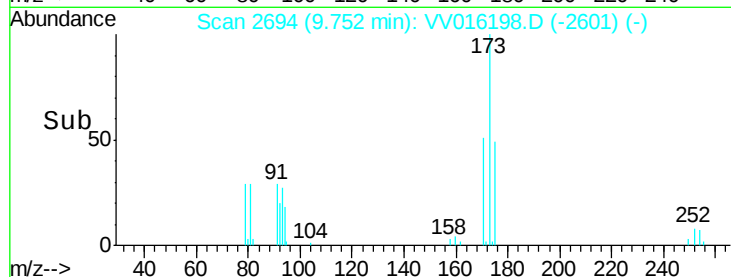
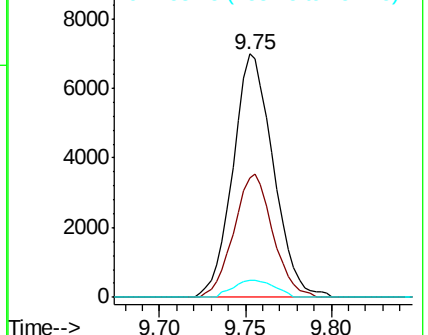
173 100

175 48.6 38.6 58.0

254 7.1 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.272 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.09 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

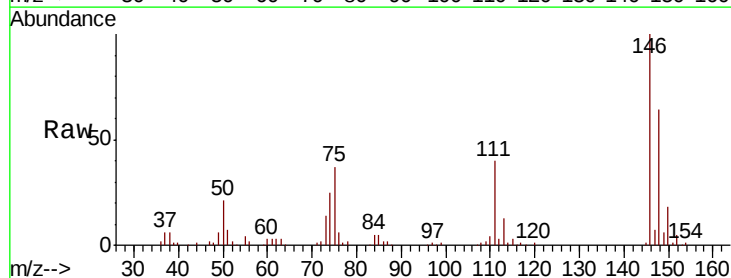
Tgt Ion:146 Resp: 61824

Ion Ratio Lower Upper

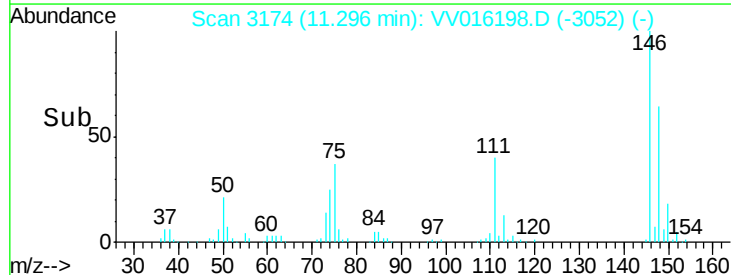
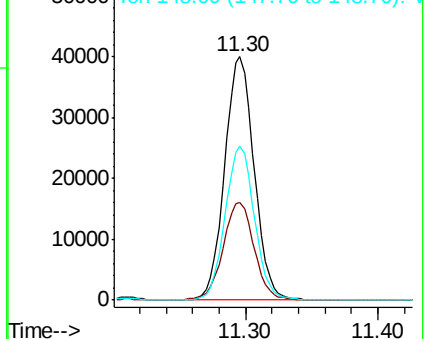
146 100

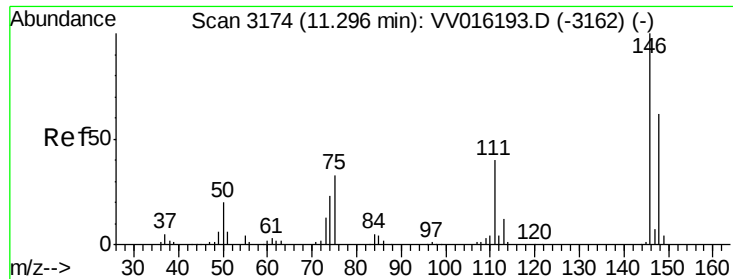
111 40.0 29.7 55.1

148 63.5 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.204 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

ClientSampleId :

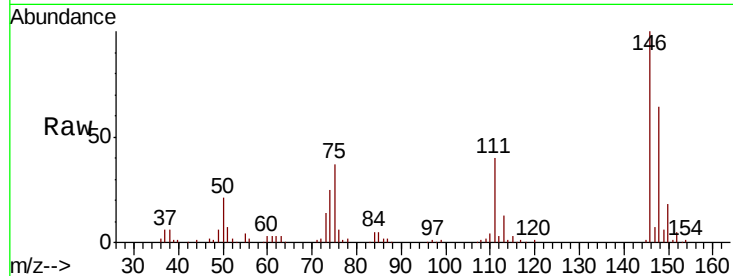
Tot Ion:146 Resp: 61824

Ion Ratio Lower Upper

146 100

111 40.0 28.3 52.7

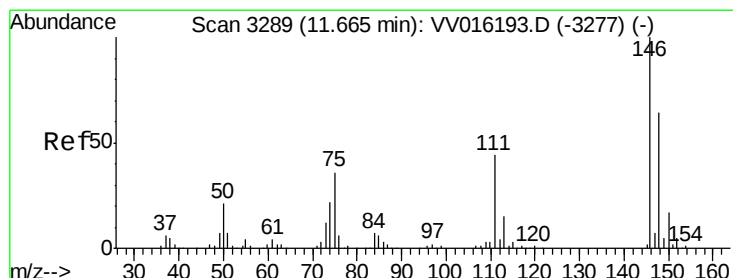
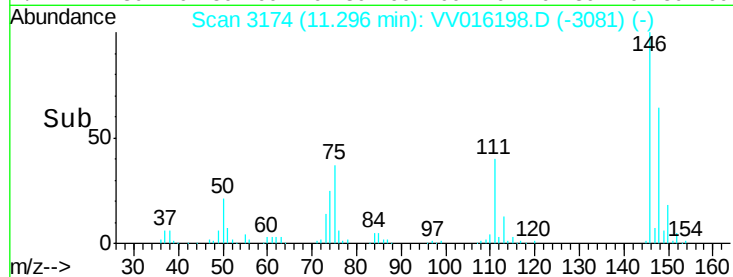
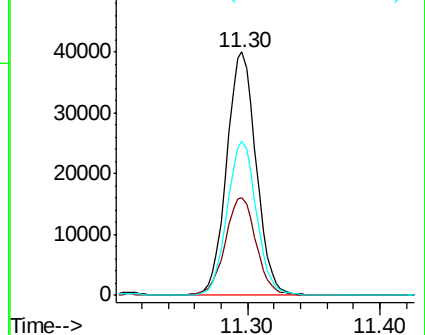
148 63.5 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 11.988 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

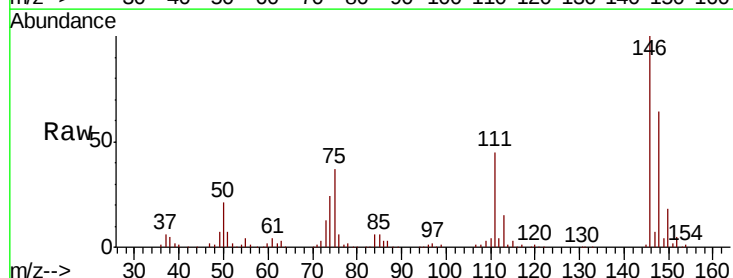
Tgt Ion:146 Resp: 156819

Ion Ratio Lower Upper

146 100

111 45.1 35.7 53.5

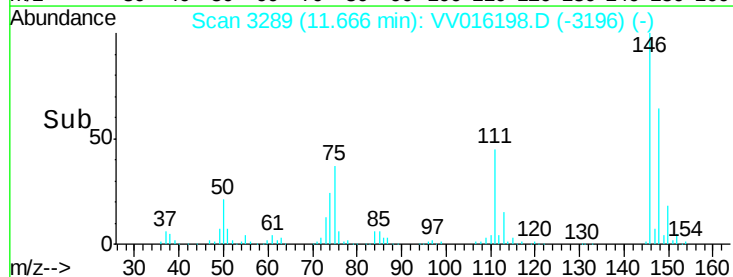
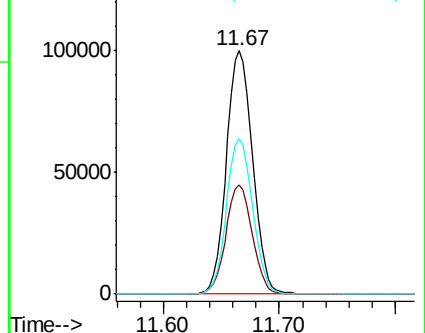
148 63.9 51.3 76.9

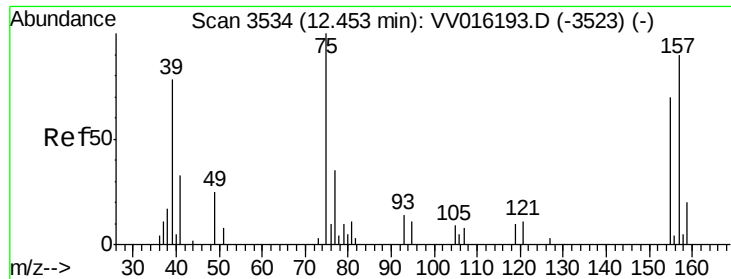


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

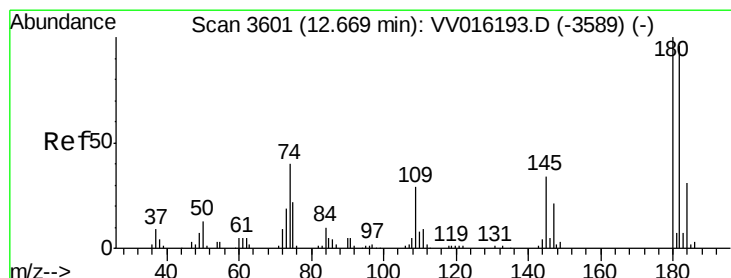
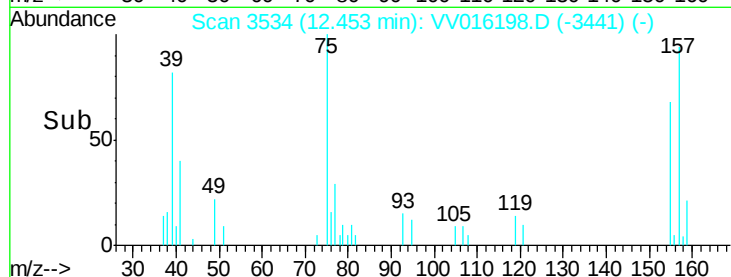
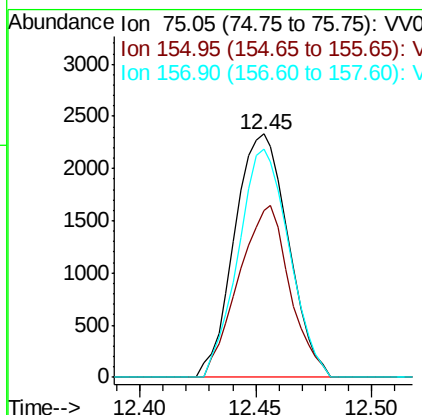
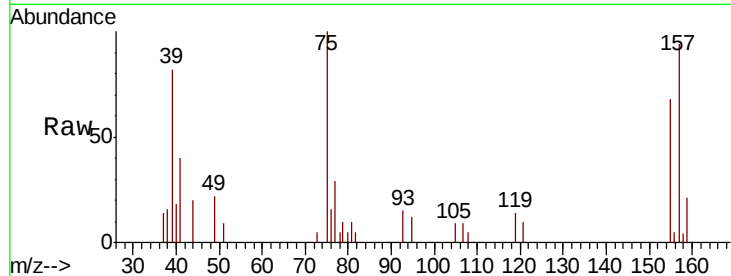




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.234 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

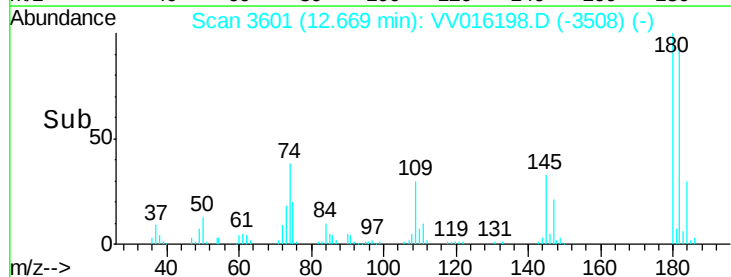
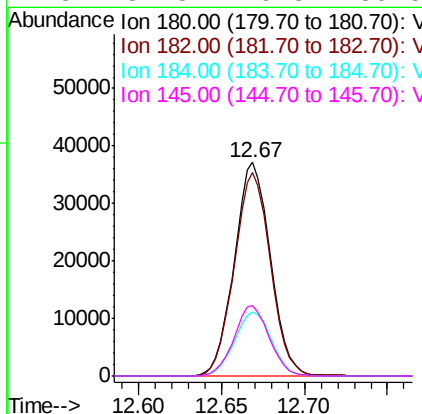
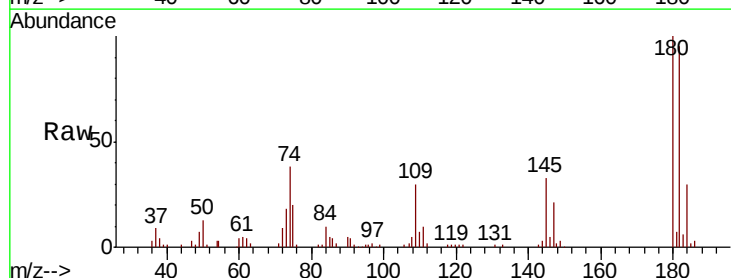
Instrument :
 MSVOA_V
 ClientSampleId :

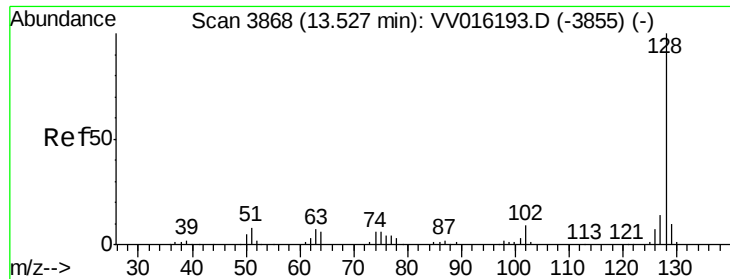
Tot Ion: 75 Resp: 3741
 Ion Ratio Lower Upper
 75 100
 155 68.5 56.2 84.4
 157 94.0 71.9 107.9



#68
 1,3,5-Trichlorobenzene
 Concen: 5.487 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016198.D
 Acq: 26 May 2020 18:20

Tgt Ion: 180 Resp: 56196
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 184 30.6 25.0 37.4
 145 32.3 26.3 39.5





#70

Naphthalene

Concen: 0.213 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

Instrument :

MSVOA_V

ClientSampleId :

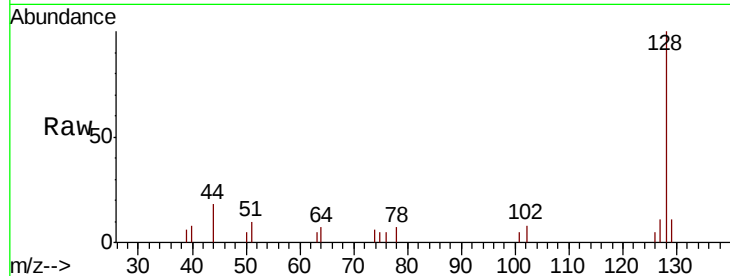
Tot Ion:128 Resp: 4193

Ion Ratio Lower Upper

128 100

129 8.9 8.6 13.0

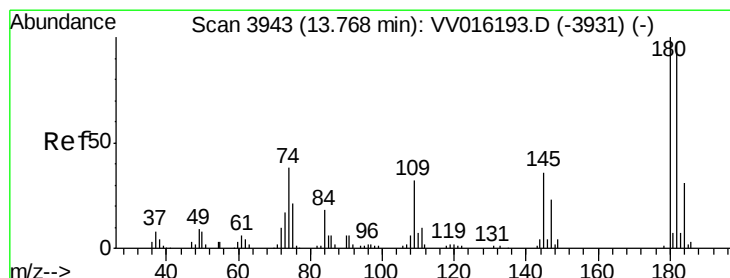
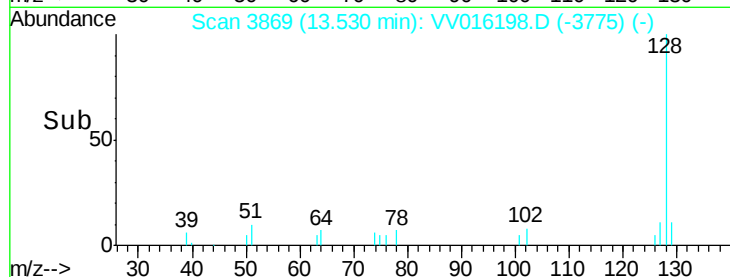
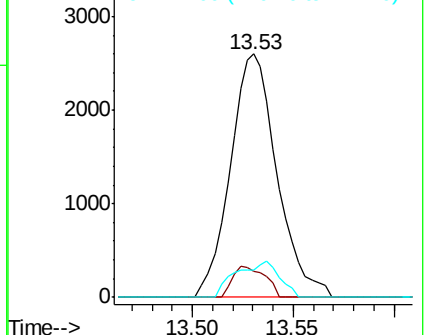
127 13.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 10.271 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016198.D

Acq: 26 May 2020 18:20

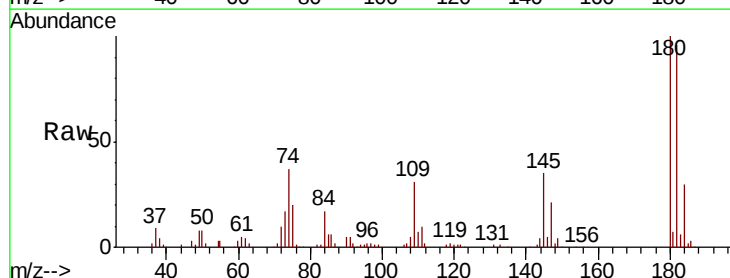
Tgt Ion:180 Resp: 83302

Ion Ratio Lower Upper

180 100

182 96.1 77.1 115.7

145 35.2 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

