

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016008.D
 Acq On : 12 May 2020 12:48
 Operator : SY/MD
 Sample : L2541-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:57:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	132256	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	131388	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31288	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	31041	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.12	63	51598	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.95	46	113762	55.58	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	4.38	84	73151	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.06	65	45216	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.08	84	150599	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.10	67	49458	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	131100	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
45) trans-1,3-Dichloropropene-	7.65	79	12181	3.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.00%
48) 2-Hexanone-d5	8.12	63	75616	45.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.92%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35485	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	46278	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	9116	0.900 ug/L	100
3) Chloromethane	1.14	50	31201	3.041 ug/L #	72
9) Trichlorofluoromethane	1.77	101	1299	0.097 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	585	0.077 ug/L #	22
12) 1,1-Dichloroethene	2.13	96	533	0.073 ug/L #	1
13) Acetone	2.23	43	2480	1.837 ug/L #	25
17) Methyl tert-butyl Ether	2.79	73	1989	0.105 ug/L #	87
22) cis-1,2-Dichloroethene	3.94	96	1490	0.177 ug/L	75
25) Chloroform	4.41	83	13950	0.818 ug/L	97
34) Trichloroethene	5.94	95	12779	1.354 ug/L	96
35) Methylcyclohexane	6.10	83	11904	0.834 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6040	0.719 ug/L #	87
46) trans-1,3-Dichloropropene	7.64	75	557	0.056 ug/L #	9
47) 1,1,2-Trichloroethane	7.99	97	768	0.137 ug/L #	1
49) Tetrachloroethene	8.00	164	73836	11.215 ug/L	99
50) 2-Hexanone	8.17	43	4173	1.127 ug/L #	53
51) Dibromochloromethane	8.00	129	70910	11.252 ug/L #	9

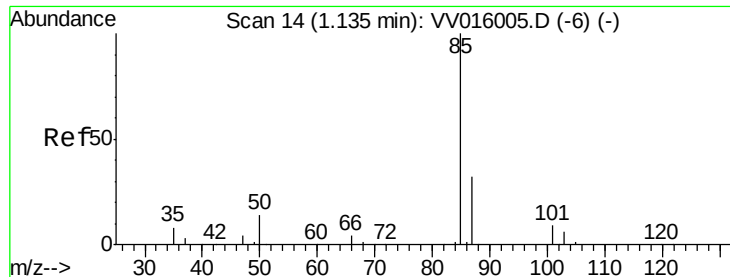
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
Data File : VV016008.D
Acq On : 12 May 2020 12:48
Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.900 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Instrument :

MSVOA_V

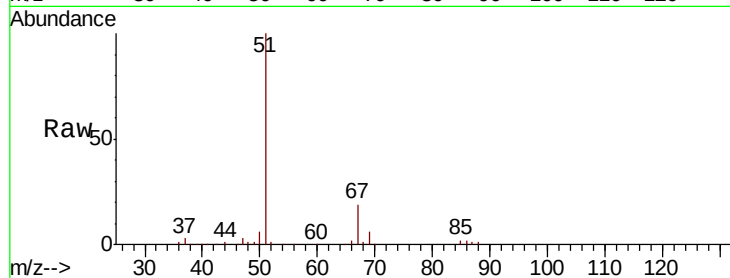
ClientSampled :

Tot Ion: 85 Resp: 9116

Ion Ratio Lower Upper

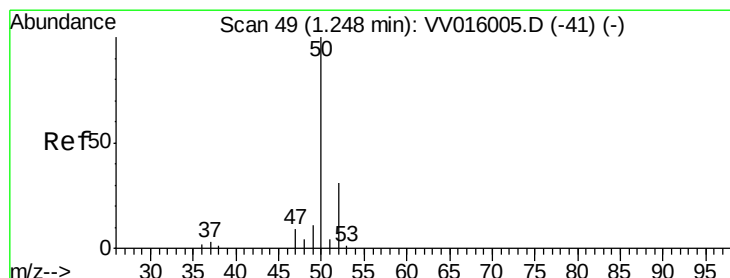
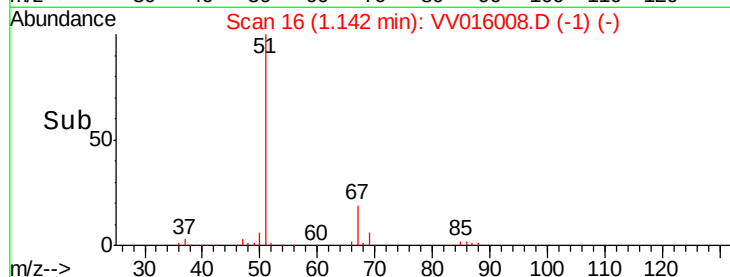
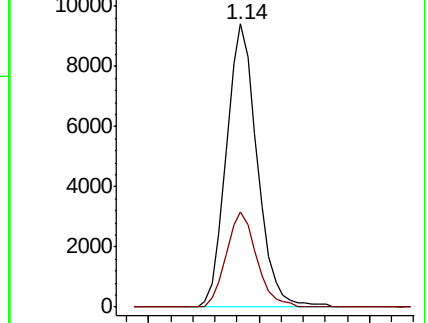
85 100

87 33.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 3.041 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV016008.D

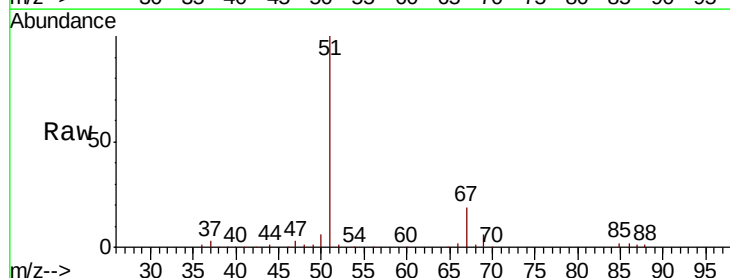
Acq: 12 May 2020 12:48

Tgt Ion: 50 Resp: 31201

Ion Ratio Lower Upper

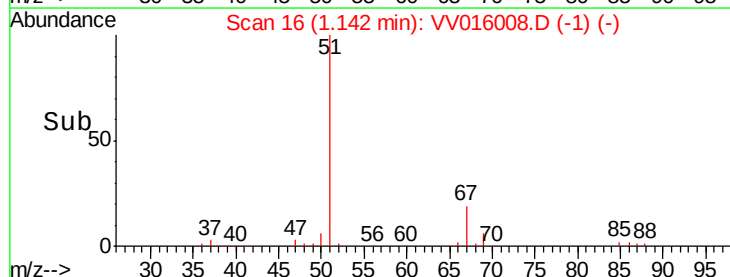
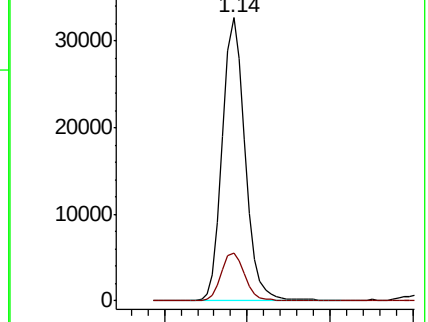
50 100

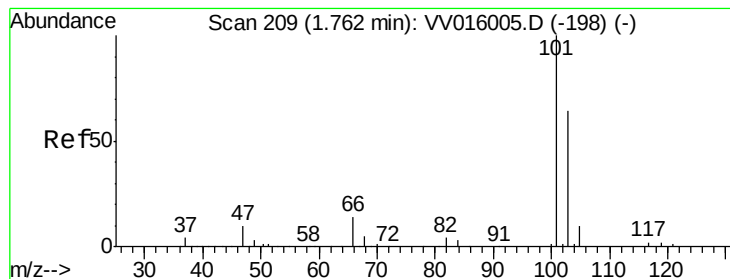
52 17.0 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



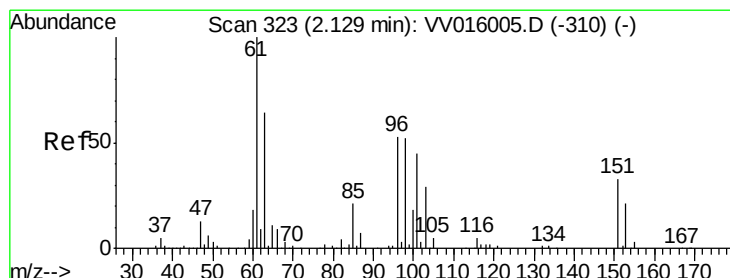
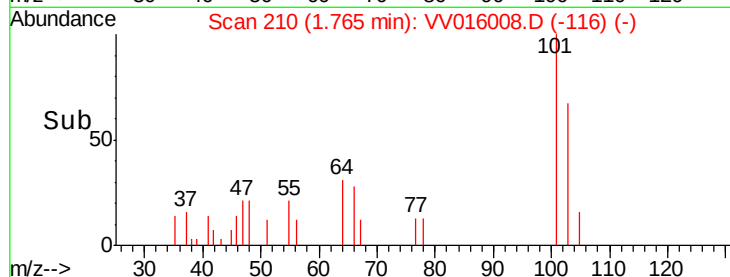
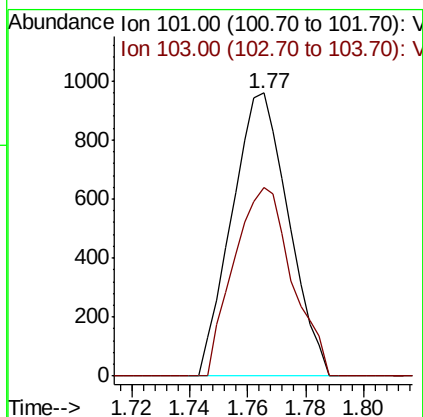
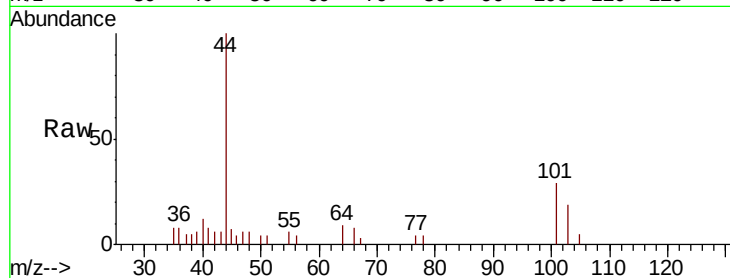


#9

Trichlorofluoromethane
 Concen: 0.097 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV016008.D
 Acq: 12 May 2020 12:48

Instrument :
 MSVOA_V
 ClientSampled :

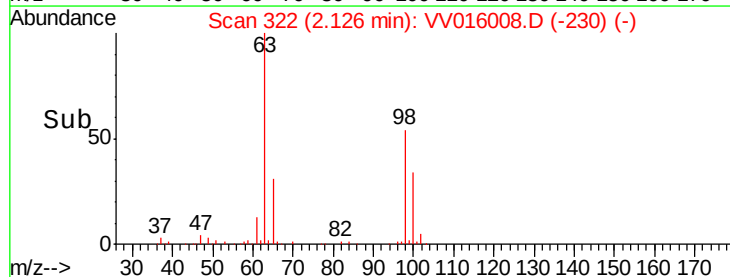
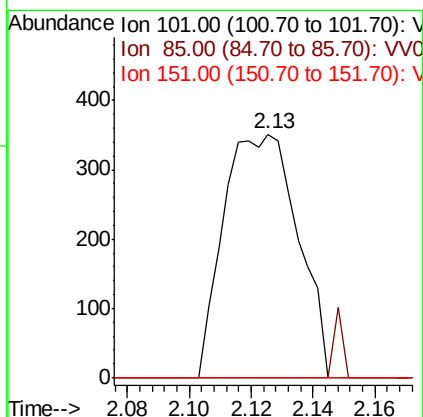
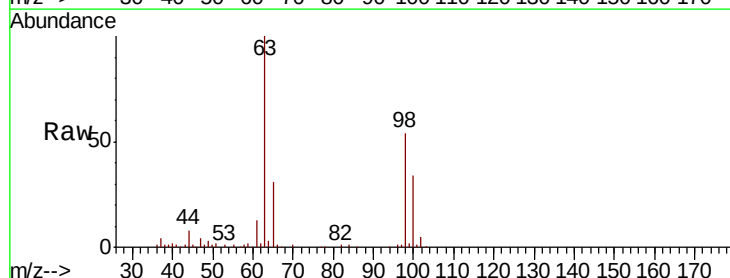
Tot Ion:101 Resp: 1299
 Ion Ratio Lower Upper
 101 100
 103 68.6 51.4 77.2

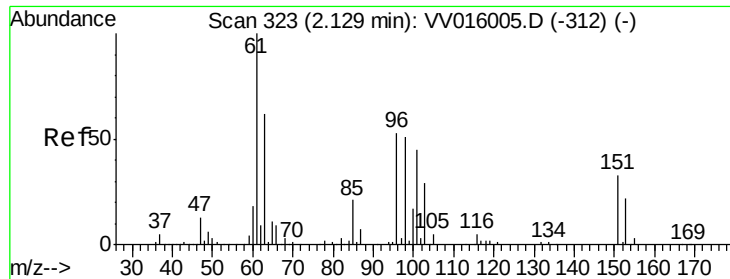


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.077 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV016008.D
 Acq: 12 May 2020 12:48

Tgt Ion:101 Resp: 585
 Ion Ratio Lower Upper
 101 100
 85 3.4 35.7 53.5#
 151 0.0 58.0 87.0#

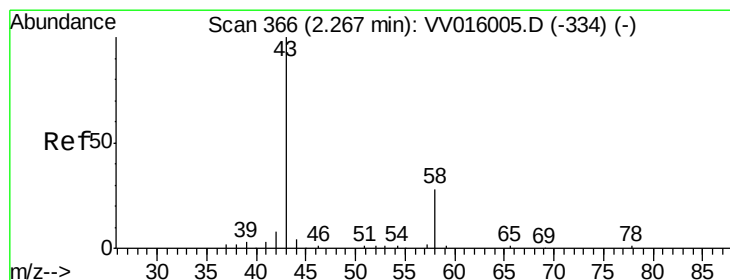
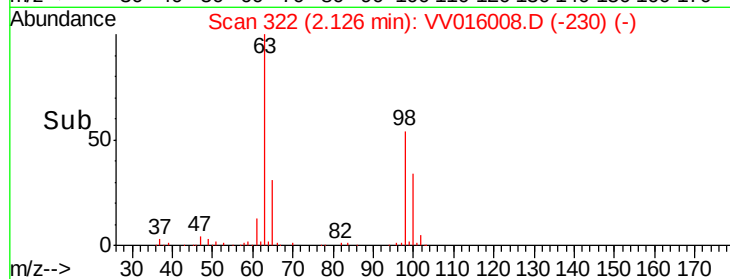
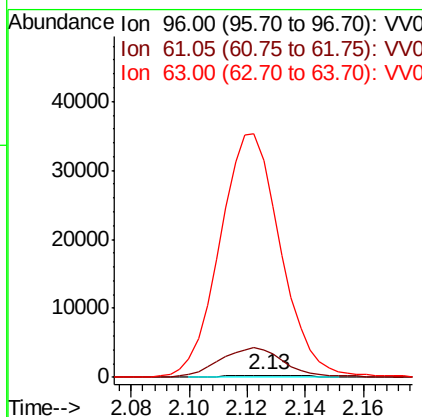
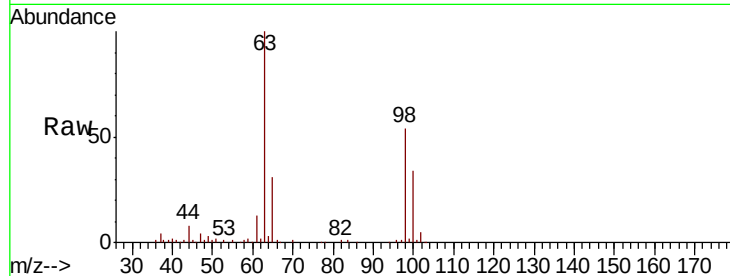




#12
 1,1-Dichloroethene
 Concen: 0.073 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV016008.D
 Acq: 12 May 2020 12:48

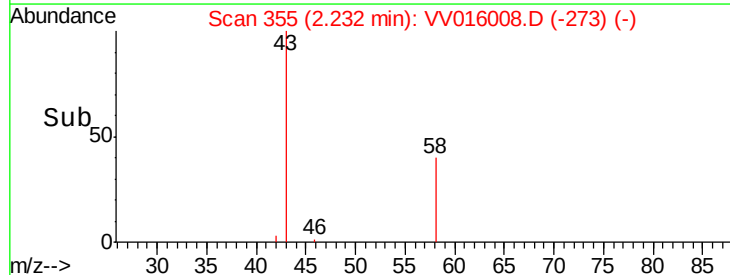
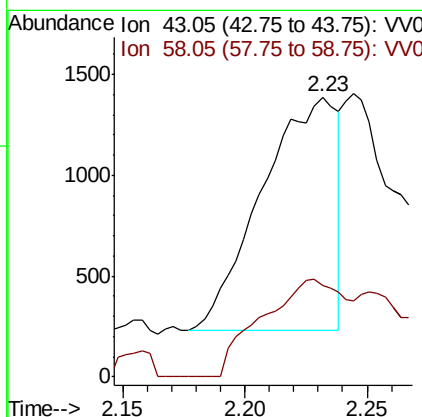
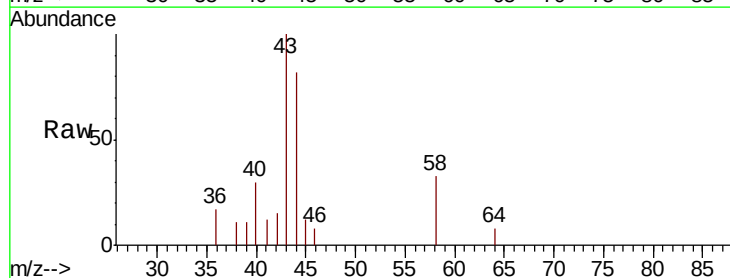
Instrument :
 MSVOA_V
 ClientSampleId :

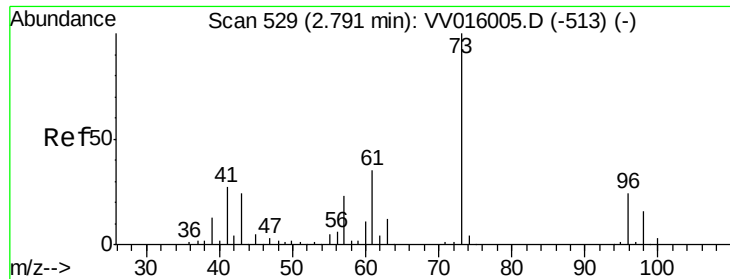
Tot Ion: 96 Resp: 533
 Ion Ratio Lower Upper
 96 100
 61 1308.7 139.9 259.7#
 63 10154.0 106.4 197.6#



#13
 Acetone
 Concen: 1.837 ug/L
 RT: 2.23 min Scan# 355
 Delta R.T. -0.04 min
 Lab File: VV016008.D
 Acq: 12 May 2020 12:48

Tgt Ion: 43 Resp: 2480
 Ion Ratio Lower Upper
 43 100
 58 46.7 0.0 30.8#

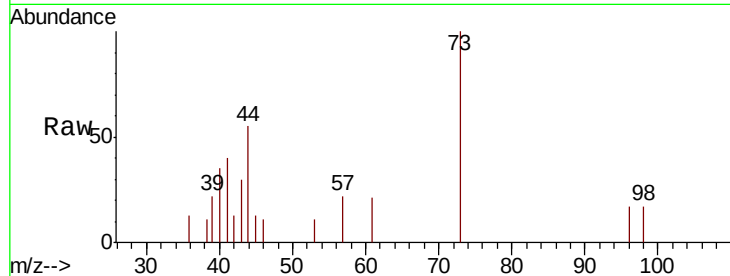




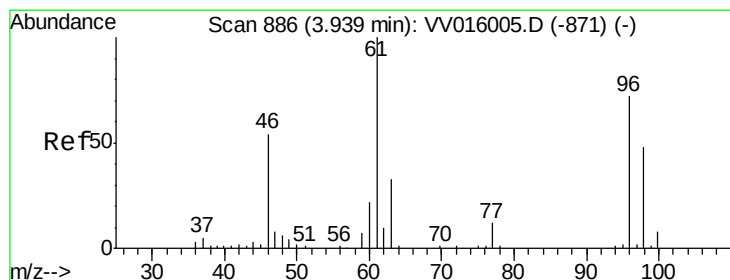
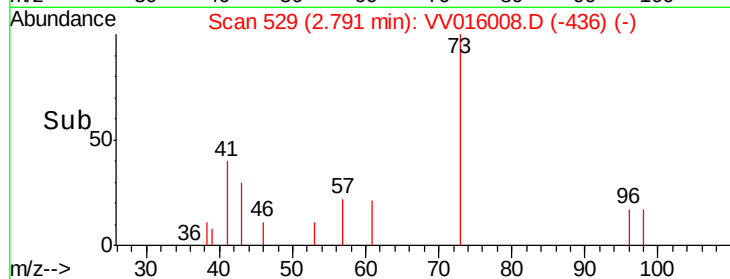
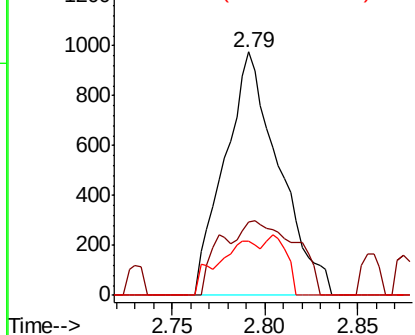
#17
Methyl tert-butyl Ether
Concen: 0.105 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016008.D
Acq: 12 May 2020 12:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 1989
Ion Ratio Lower Upper
73 100
43 31.9 18.8 28.2#
57 17.7 17.8 26.6#

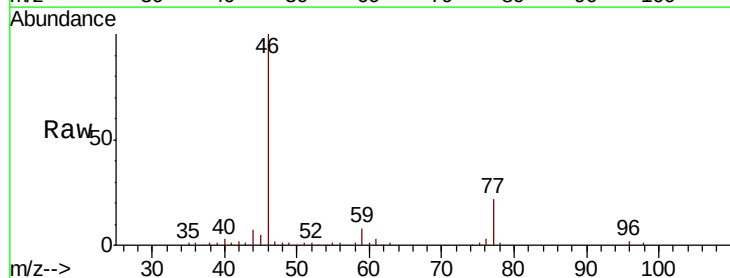


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

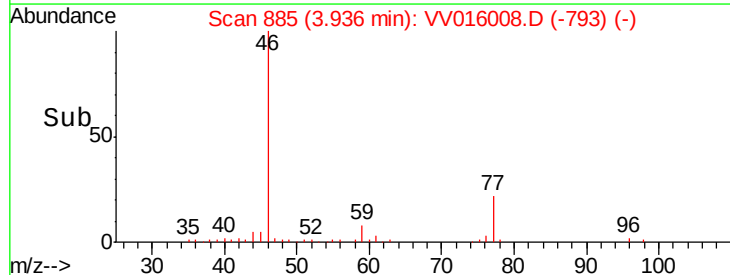
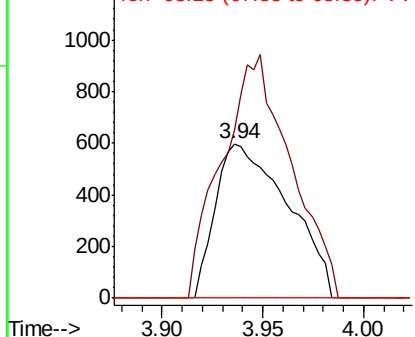


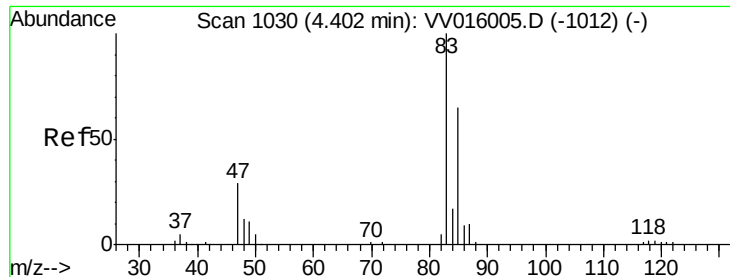
#22
cis-1,2-Dichloroethene
Concen: 0.177 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016008.D
Acq: 12 May 2020 12:48

Tgt Ion: 96 Resp: 1490
Ion Ratio Lower Upper
96 100
61 109.2 97.2 180.6
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





#25

Chloroform

Concen: 0.818 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

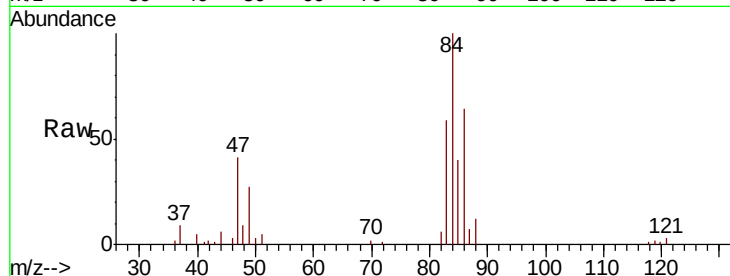
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 13950

Ion Ratio Lower Upper

83 100

85 67.6 45.7 84.9

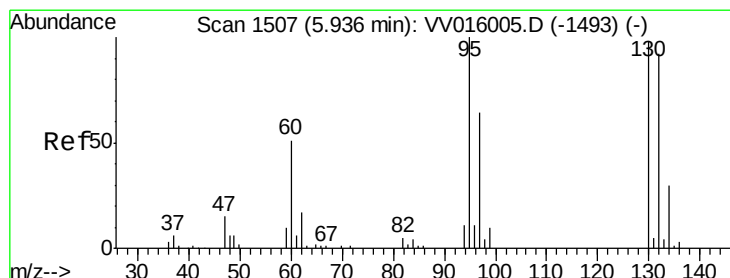
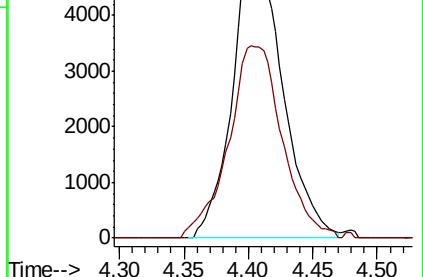
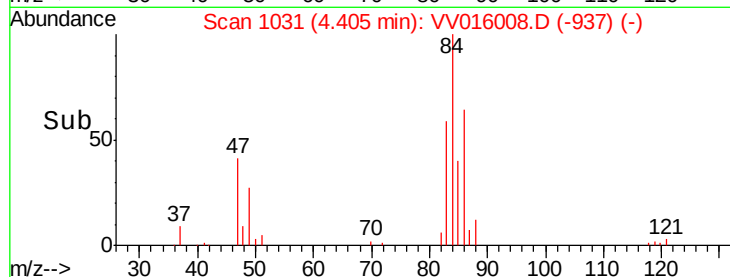


Abundance Ion 83.05 (82.75 to 83.75): VV016005.D (-1012) (-)

Ion 85.00 (84.70 to 85.70): VV016005.D (-1012) (-)

4.41

Time-->



#34

Trichloroethene

Concen: 1.354 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Tgt Ion: 95 Resp: 12779

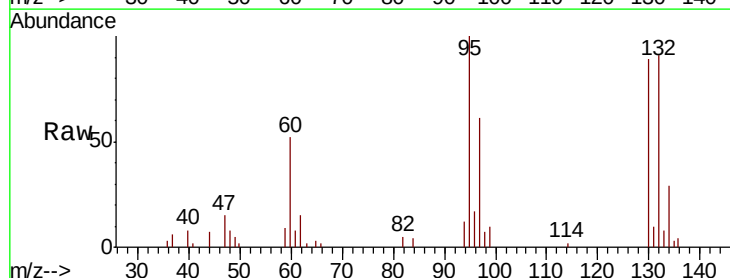
Ion Ratio Lower Upper

95 100

97 60.9 43.3 80.5

132 90.9 60.3 112.1

130 89.1 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV016005.D (-1493) (-)

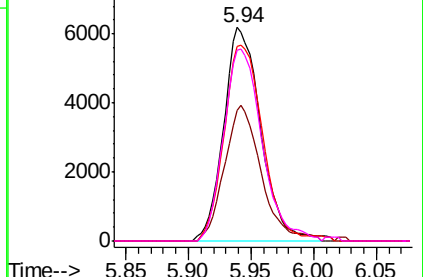
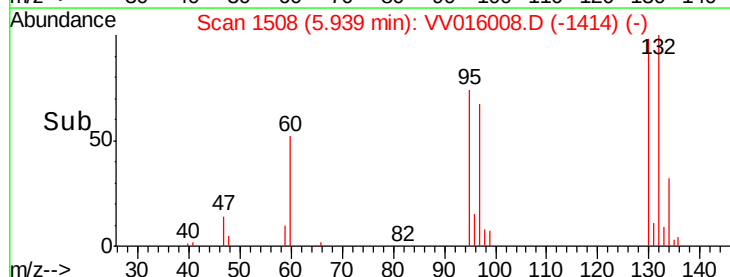
Ion 96.95 (96.65 to 97.65): VV016005.D (-1493) (-)

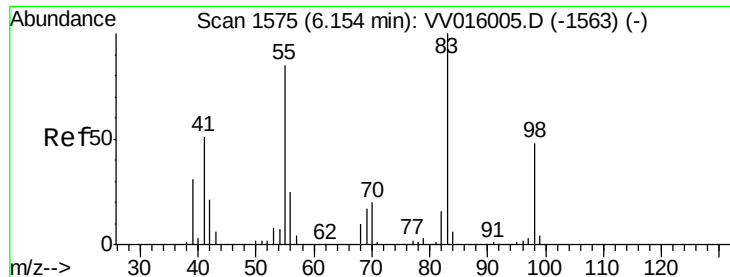
Ion 131.95 (131.65 to 132.65): VV016005.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV016005.D (-1493) (-)

5.94

Time-->

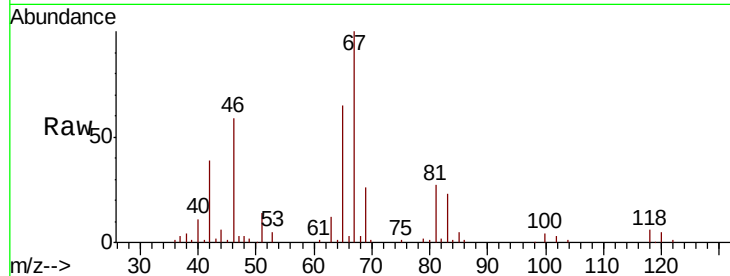




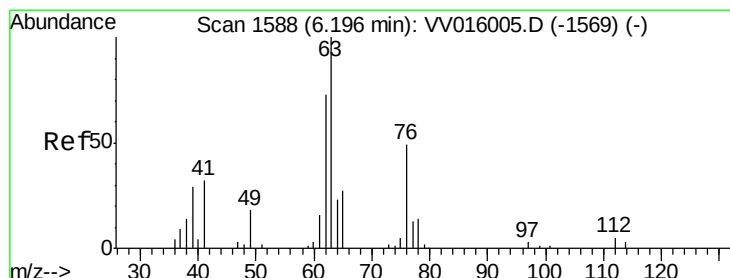
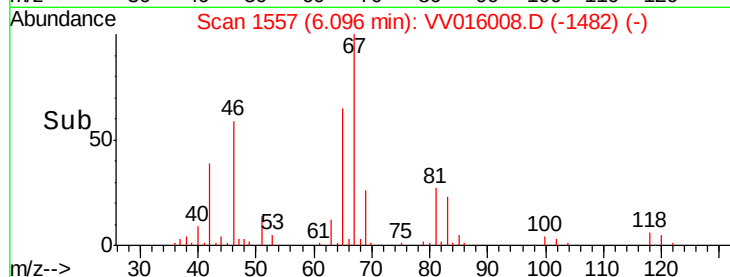
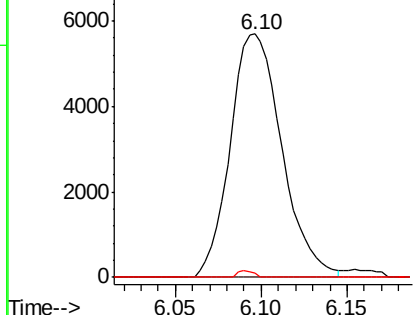
#35
Methylvlcyclohexane
Concen: 0.834 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016008.D
Acq: 12 May 2020 12:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 11904
Ion Ratio Lower Upper
83 100
55 0.2 66.2 99.2#
98 0.9 37.9 56.9#

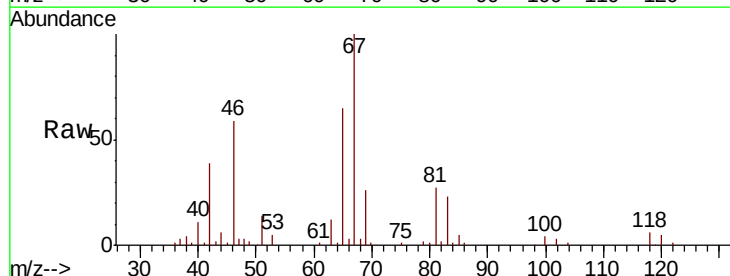


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

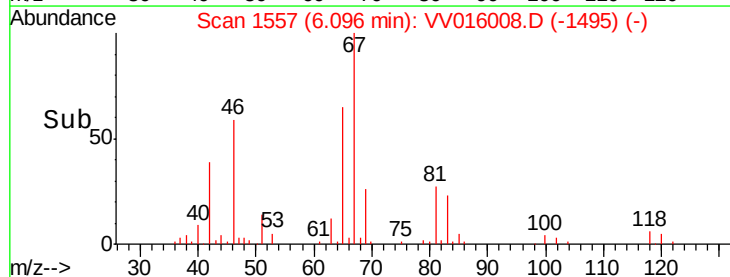
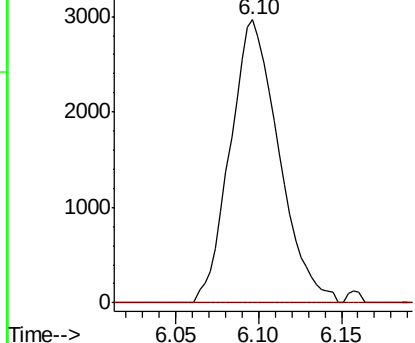


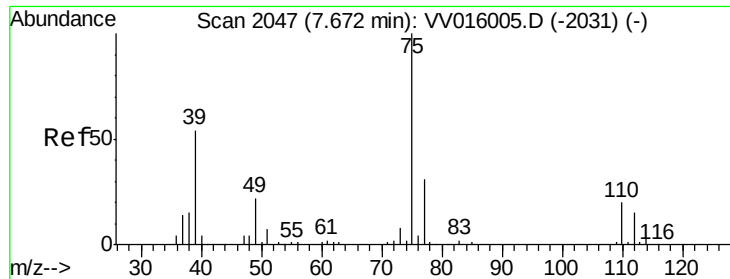
#37
1,2-Dichloropropane
Concen: 0.719 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016008.D
Acq: 12 May 2020 12:48

Tgt Ion: 63 Resp: 6040
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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





#46

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Instrument :

MSVOA_V

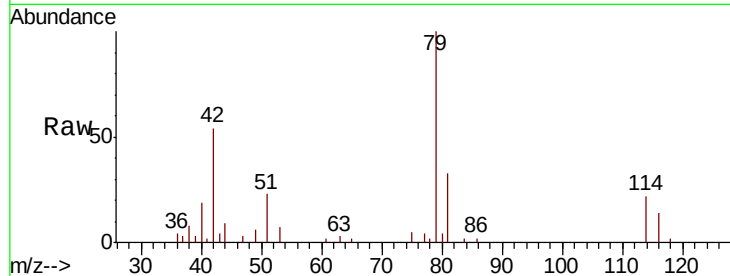
ClientSampleId :

Tot Ion: 75 Resp: 557

Ion Ratio Lower Upper

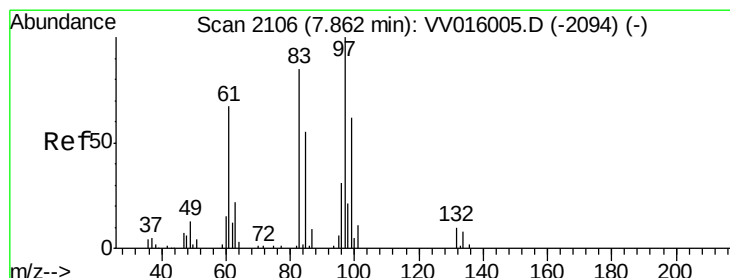
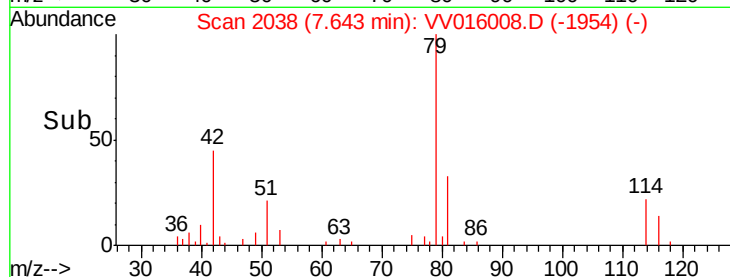
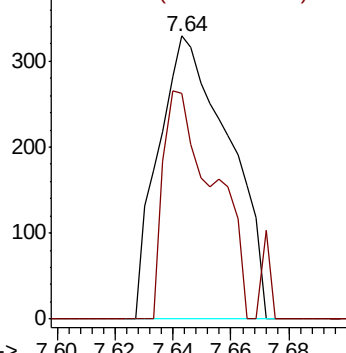
75 100

77 79.9 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.137 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Tgt Ion: 97 Resp: 768

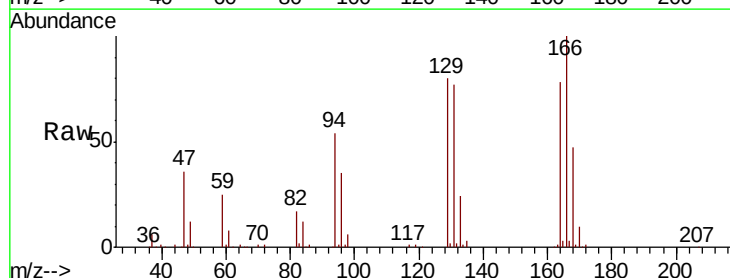
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.1#

83 241.7 59.2 110.0#

85 36.8 38.6 71.8#

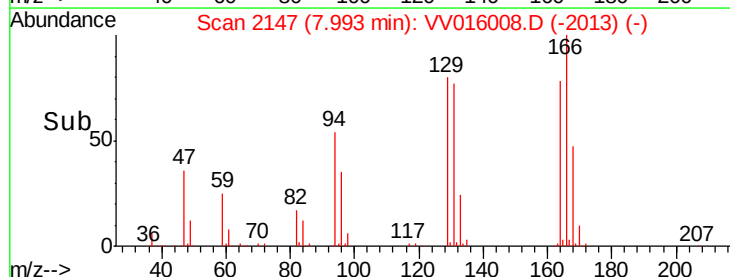
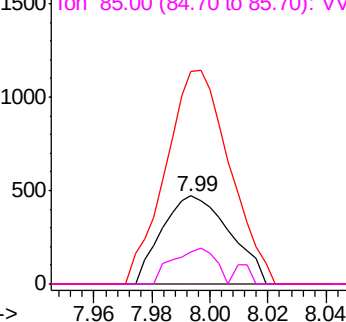


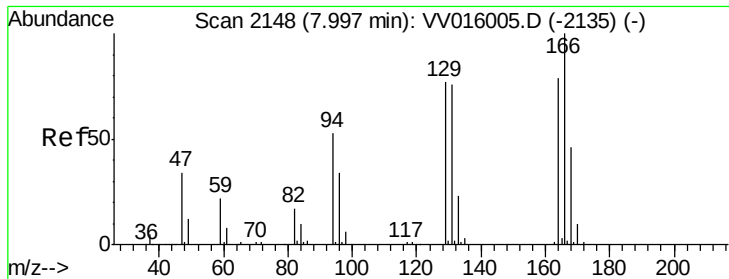
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 11.215 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 73836

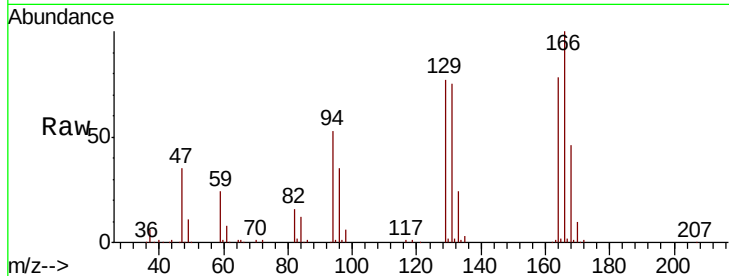
Ion Ratio Lower Upper

164 100

129 99.7 69.7 129.4

131 96.6 66.8 124.2

166 128.8 89.1 165.5



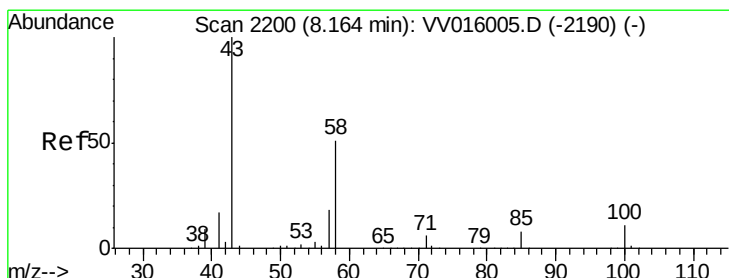
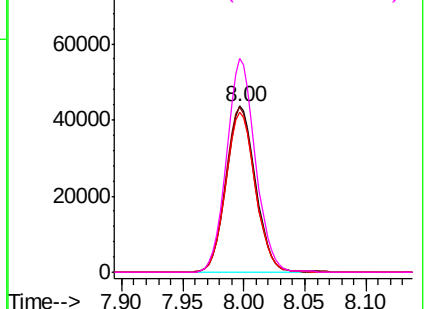
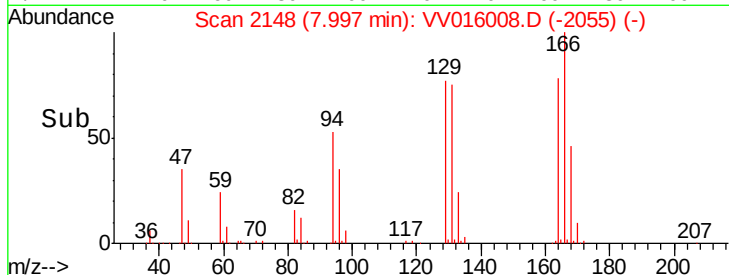
Abundance

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: 1.127 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Tgt Ion: 43 Resp: 4173

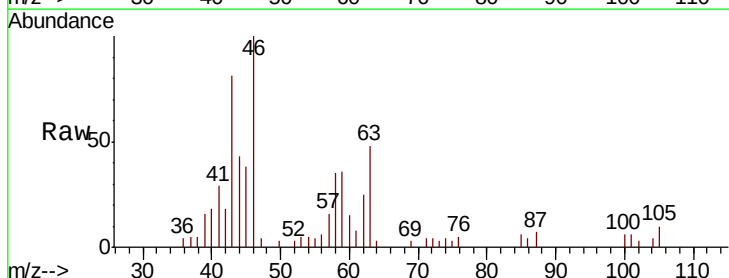
Ion Ratio Lower Upper

43 100

58 4.9 40.8 61.2#

57 28.6 14.7 22.1#

100 10.6 9.0 13.6



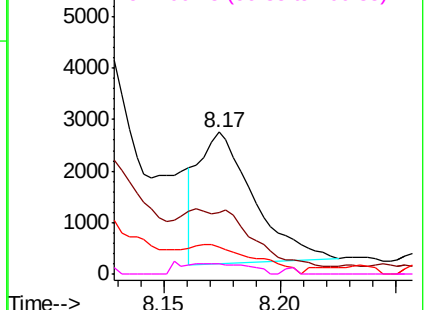
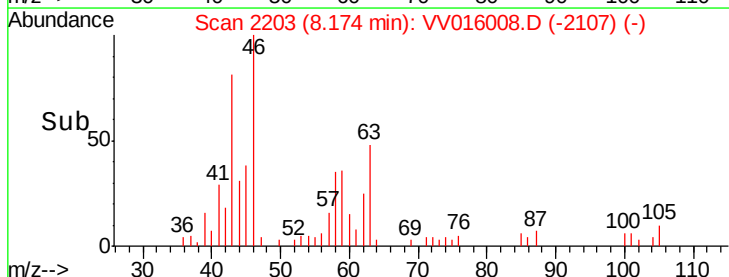
Abundance

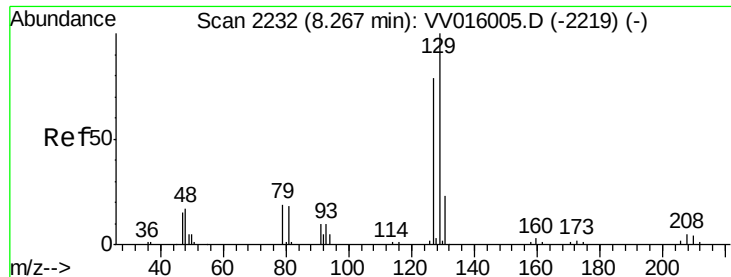
Ion 43.05 (42.75 to 43.75): VV0

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: 11.252 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016008.D

Acq: 12 May 2020 12:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 70910

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

