

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015986.D
 Acq On : 11 May 2020 13:51
 Operator : SY/MD
 Sample : L2520-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:10:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	143058	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	141000	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	65669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29270	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.58	69	30909	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.13	63	70497	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	3.93	46	110803	50.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.10%
24) Chloroform-d	4.38	84	75299	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.06	65	46723	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	152952	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.10	67	49101	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.34	98	134123	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
45) trans-1,3-Dichloropropene-	7.64	79	16490	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
48) 2-Hexanone-d5	8.11	63	81802	46.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35310	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	51737	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1316	0.160 ug/L #	69
12) 1,1-Dichloroethene	2.13	96	34055	4.326 ug/L	97
13) Acetone	2.21	43	2154	1.475 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	3265	0.160 ug/L #	91
22) cis-1,2-Dichloroethene	3.94	96	922	0.101 ug/L	83
25) Chloroform	4.40	83	11217	0.608 ug/L	95
27) 1,2-Dichloroethane	5.07	62	1133	0.100 ug/L #	76
29) 1,1,1-Trichloroethane	4.64	97	10135	0.652 ug/L	97
34) Trichloroethene	5.94	95	10799	1.067 ug/L	94
35) Methylcyclohexane	6.10	83	12324	0.805 ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5939	0.659 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1292	0.101 ug/L #	69
46) trans-1,3-Dichloropropene	7.65	75	759	0.071 ug/L #	56
47) 1,1,2-Trichloroethane	7.99	97	674	0.112 ug/L #	26
49) Tetrachloroethene	8.00	164	64769	9.168 ug/L	98
50) 2-Hexanone	8.17	43	4678	1.178 ug/L #	93
51) Dibromochloromethane	8.00	129	63122	9.334 ug/L #	10

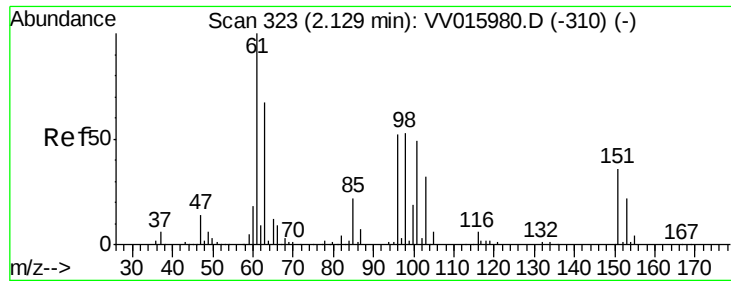
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
Data File : VV015986.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 12 01:07:44 2020
Response via : Initial Calibration

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



#10

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

Concen: 0.160 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

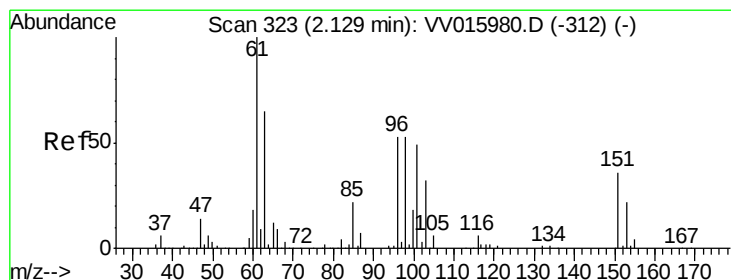
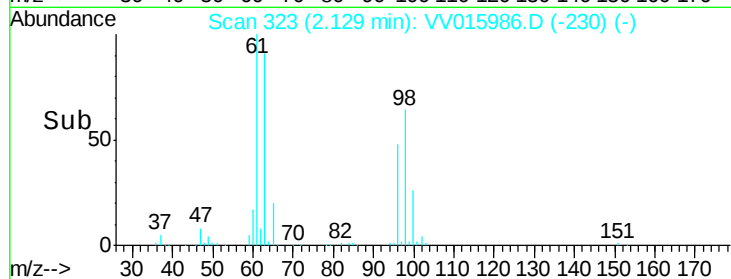
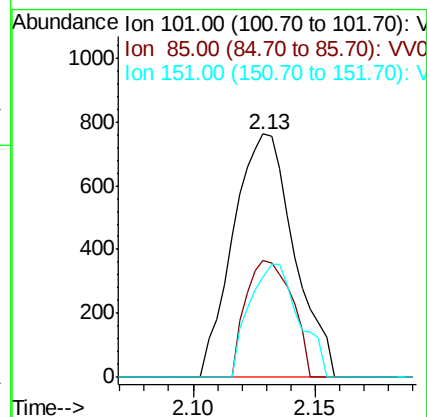
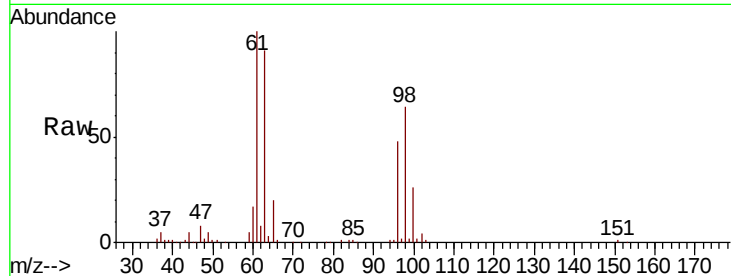
Tot Ion:101 Resp: 1316

Ion Ratio Lower Upper

101 100

85 36.3 35.7 53.5

151 37.8 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 4.326 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

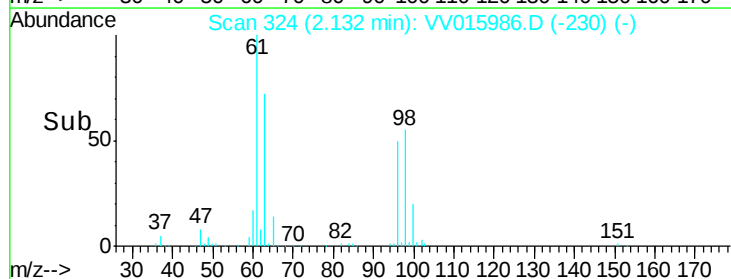
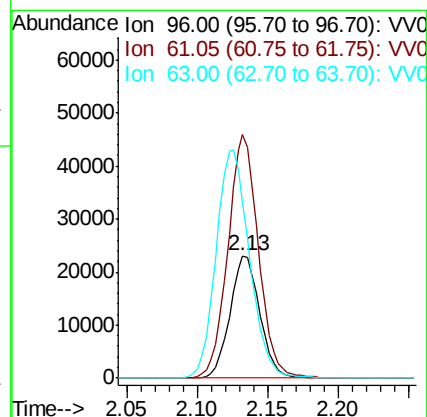
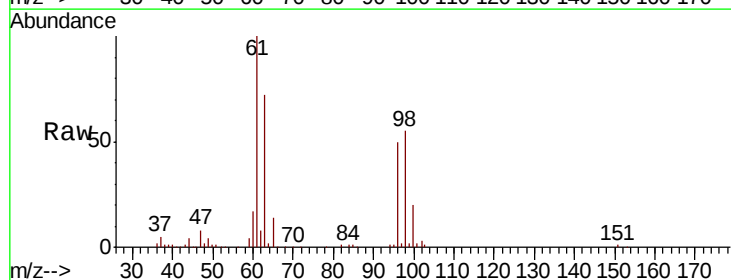
Tgt Ion: 96 Resp: 34055

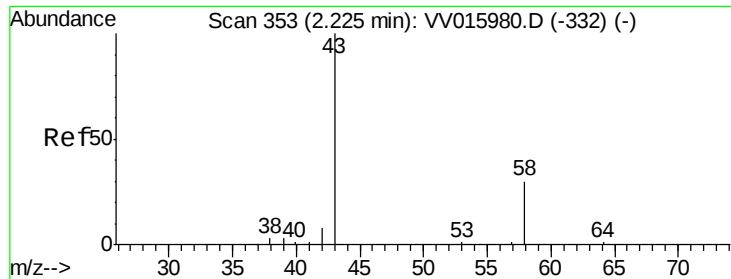
Ion Ratio Lower Upper

96 100

61 199.3 139.9 259.7

63 144.3 106.4 197.6





#13

Acetone

Concen: 1.475 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.02 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Instrument :

MSVOA_V

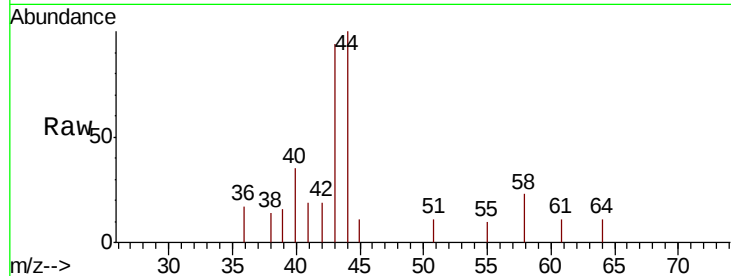
ClientSampled :

Tot Ion: 43 Resp: 2154

Ion Ratio Lower Upper

43 100

58 18.0 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015986.D (-260) (-)

Ion 58.05 (57.75 to 58.75): VV015986.D (-260) (-)

2.21

1000

800

600

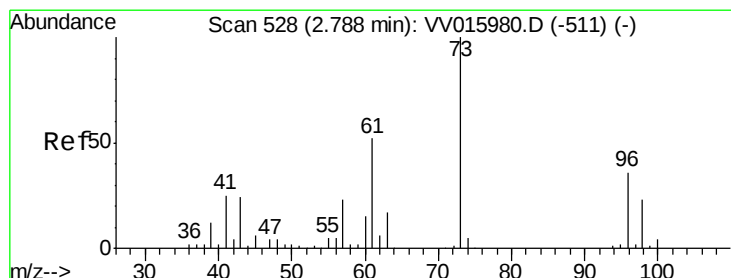
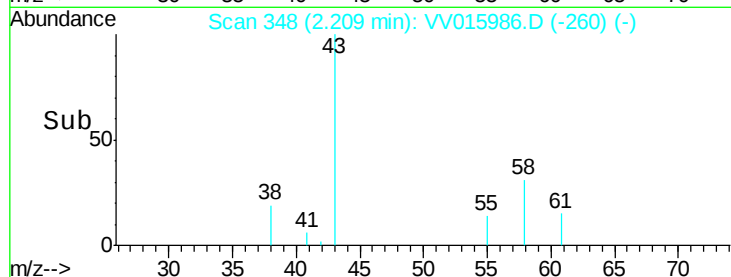
400

200

0

Time-->

2.15 2.20 2.25 2.30



#17

Methyl tert-butyl Ether

Concen: 0.160 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

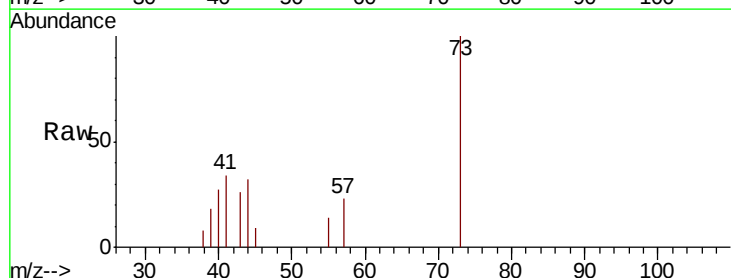
Tgt Ion: 73 Resp: 3265

Ion Ratio Lower Upper

73 100

43 30.8 18.8 28.2#

57 23.2 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV015986.D (-435) (-)

Ion 43.05 (42.75 to 43.75): VV015986.D (-435) (-)

Ion 57.10 (56.80 to 57.80): VV015986.D (-435) (-)

2000

1500

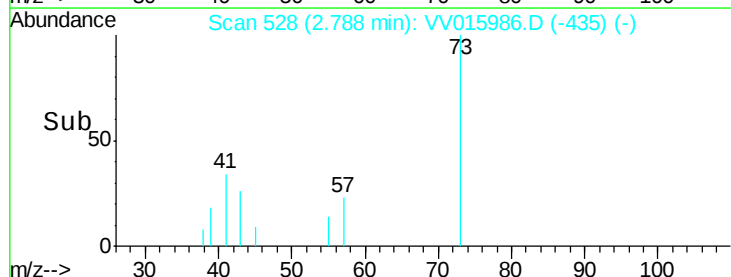
1000

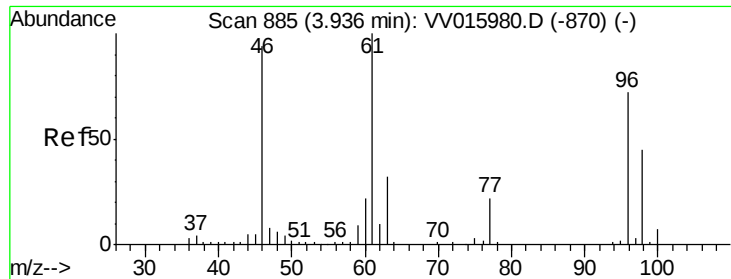
500

0

Time-->

2.75 2.80 2.85

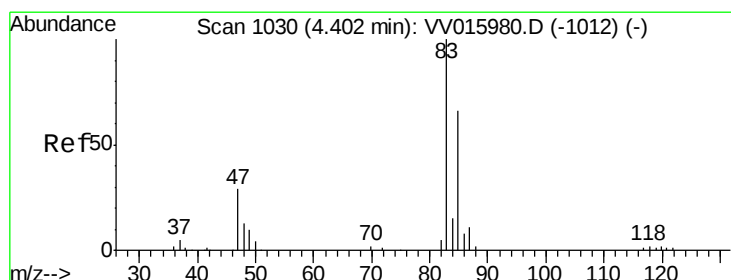
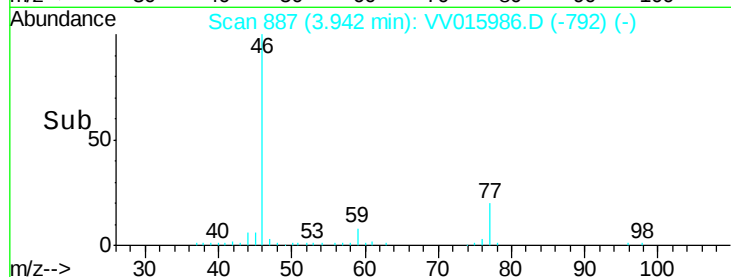
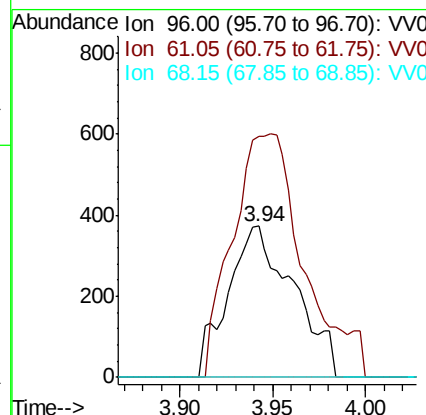
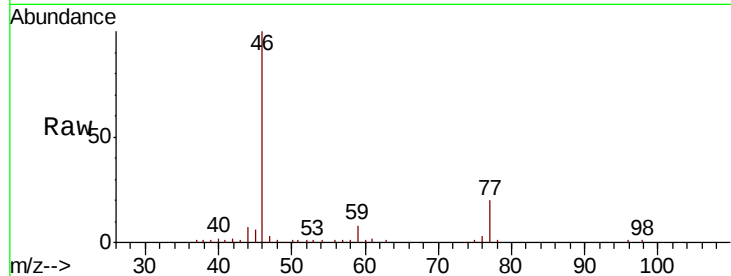




#22
 cis-1,2-Dichloroethene
 Concen: 0.101 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

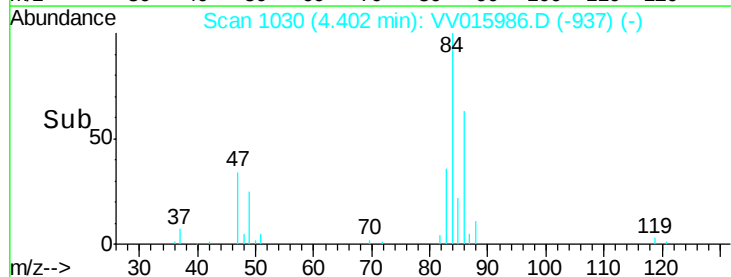
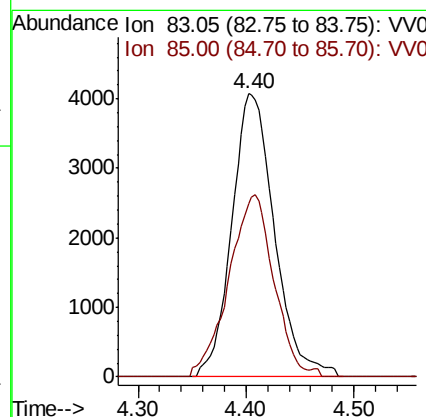
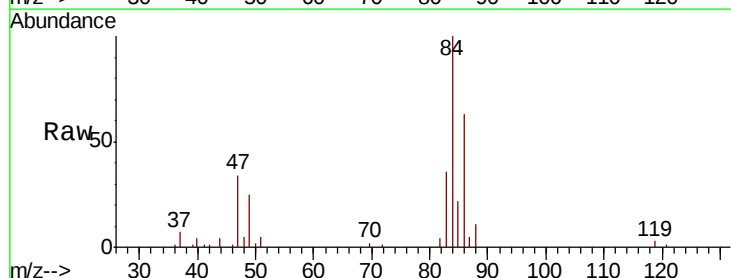
Instrument :
 MSVOA_V
 ClientSampleId :

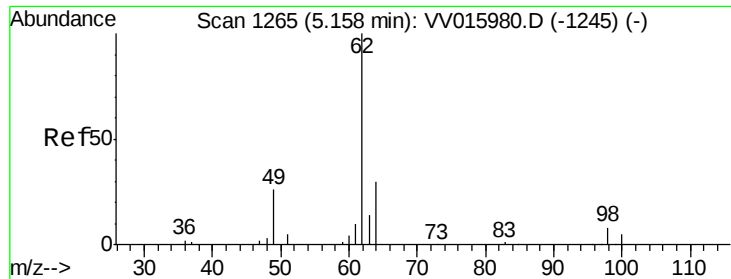
Tot Ion: 96 Resp: 922
 Ion Ratio Lower Upper
 96 100
 61 159.2 97.2 180.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.608 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

Tgt Ion: 83 Resp: 11217
 Ion Ratio Lower Upper
 83 100
 85 61.1 45.7 84.9

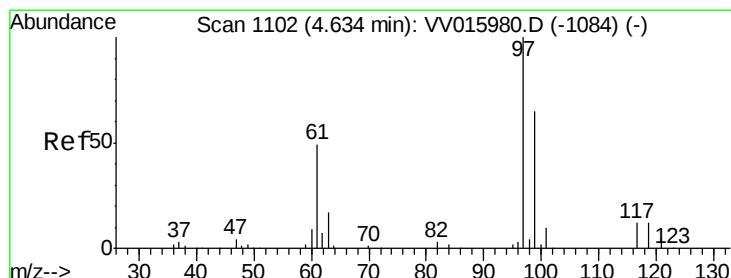
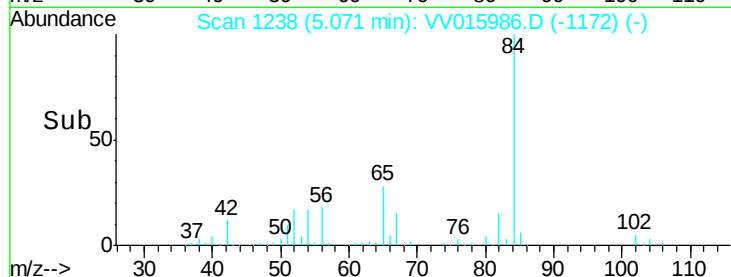
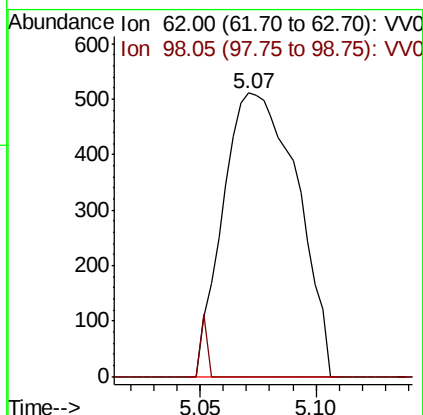
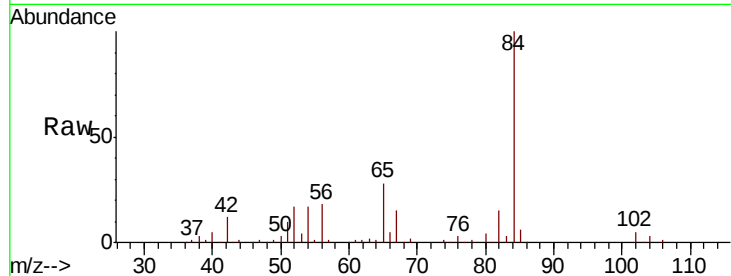




#27
 1,2-Dichloroethane
 Concen: 0.100 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.09 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

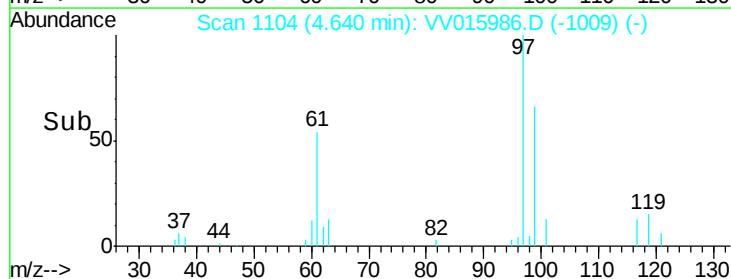
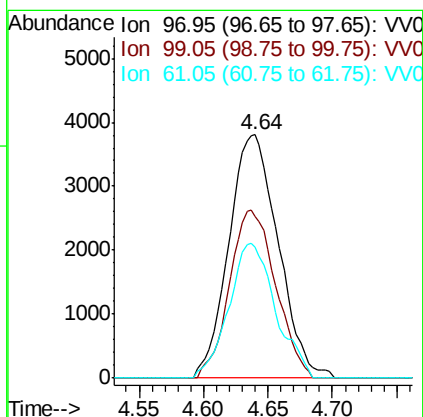
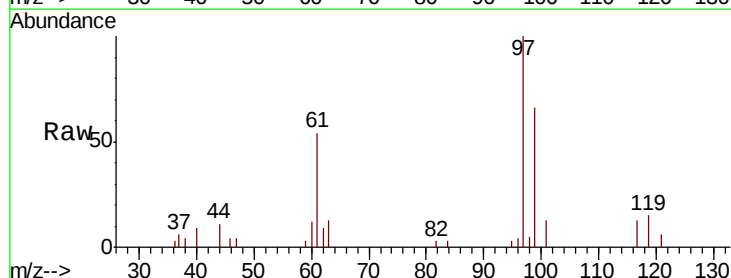
Instrument :
 MSVOA_V
 ClientSampleId :

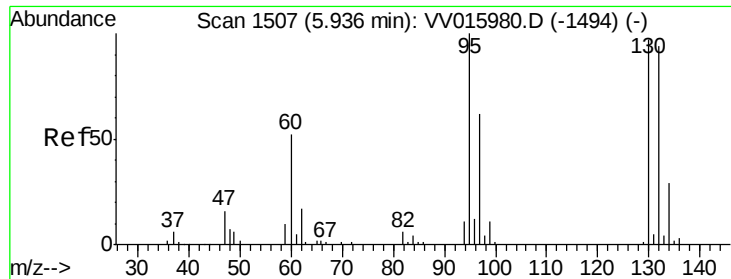
Tot Ion: 62 Resp: 1133
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#29
 1,1,1-Trichloroethane
 Concen: 0.652 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

Tgt Ion: 97 Resp: 10135
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.7 76.1
 61 52.2 38.8 58.2

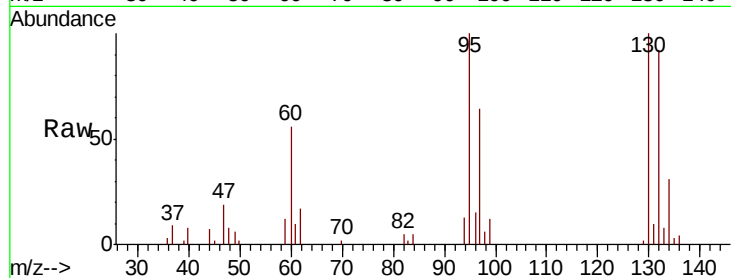




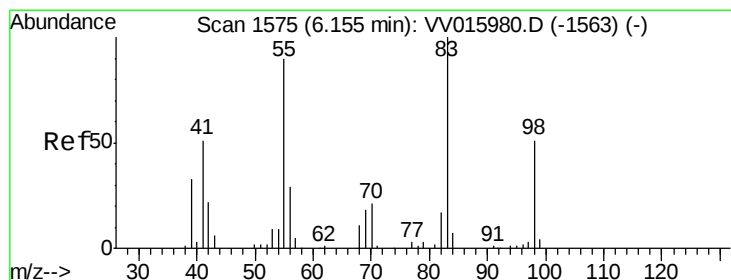
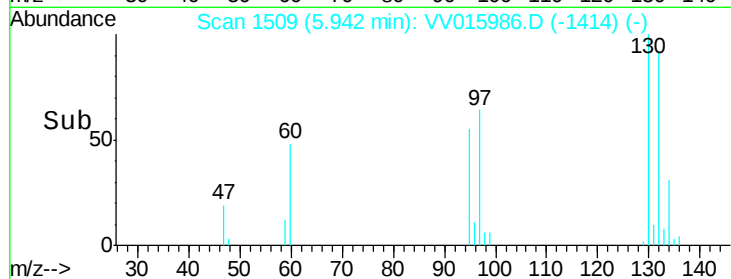
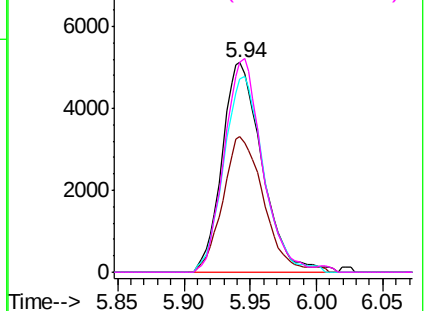
#34
 Trichloroethene
 Concen: 1.067 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 10799
 Ion Ratio Lower Upper
 95 100
 97 64.6 43.3 80.5
 132 92.4 60.3 112.1
 130 100.3 66.0 122.6

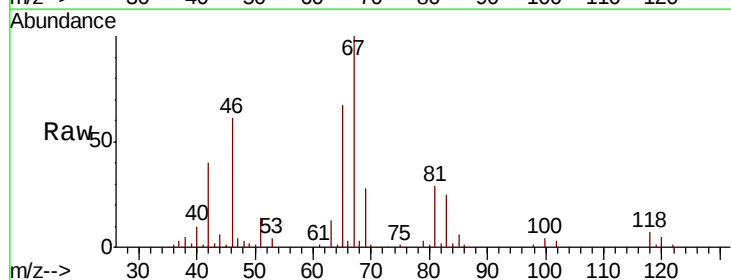


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

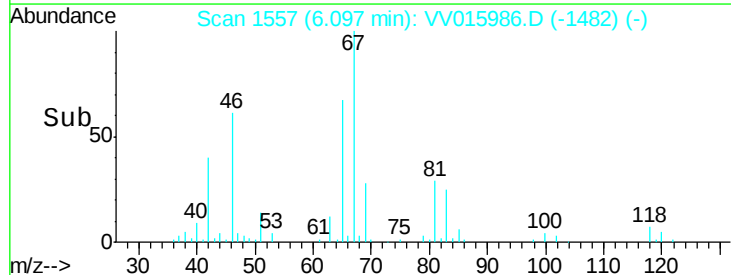
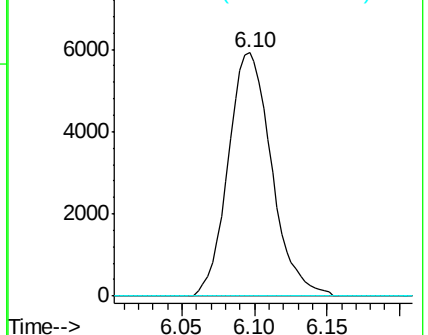


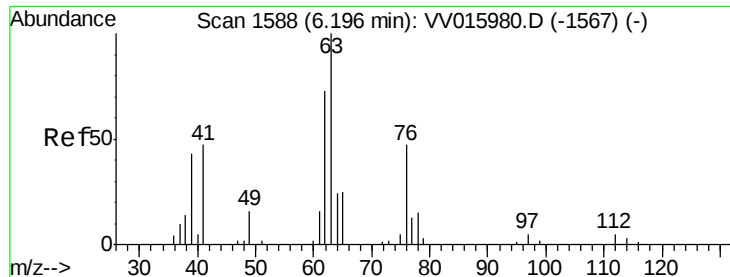
#35
 Methylcyclohexane
 Concen: 0.805 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

Tgt Ion: 83 Resp: 12324
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.2 99.2#
 98 4.1 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

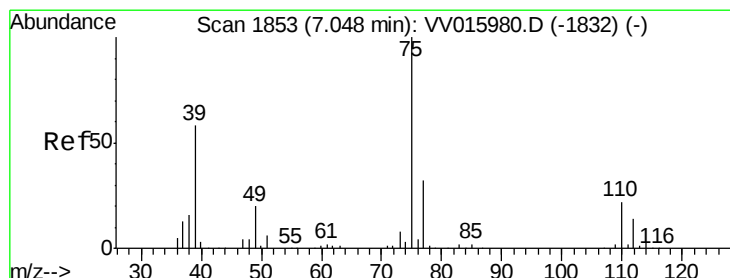
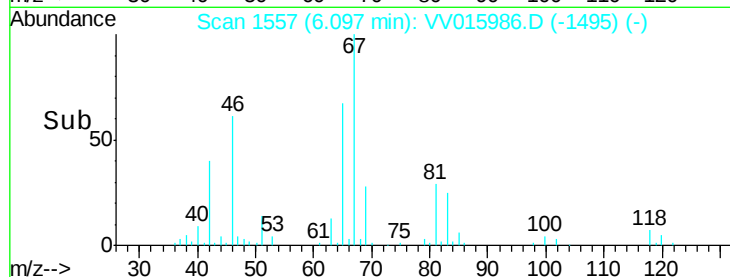
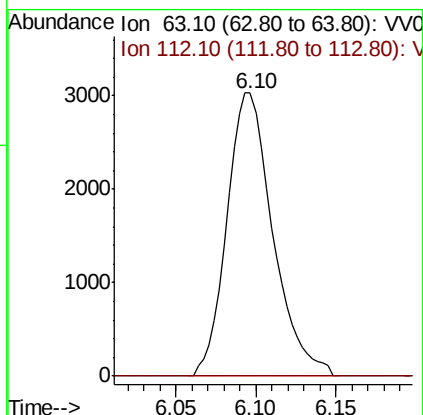
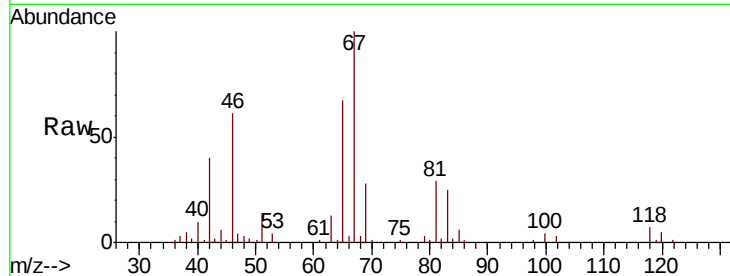




#37
 1,2-Dichloropropane
 Concen: 0.659 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

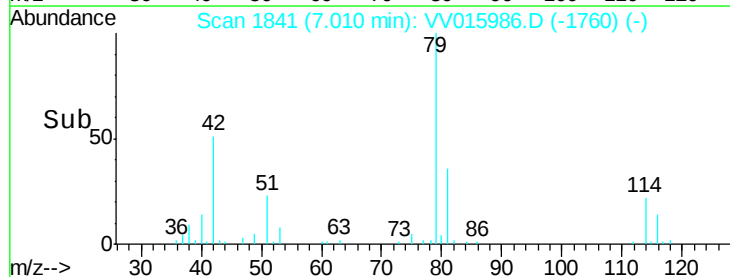
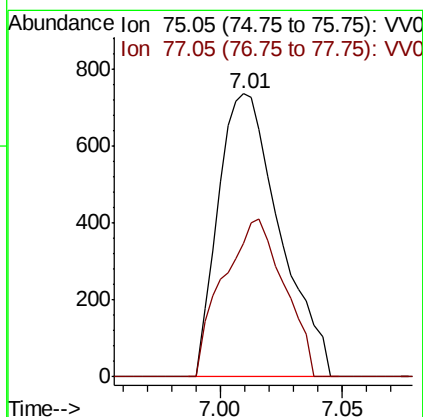
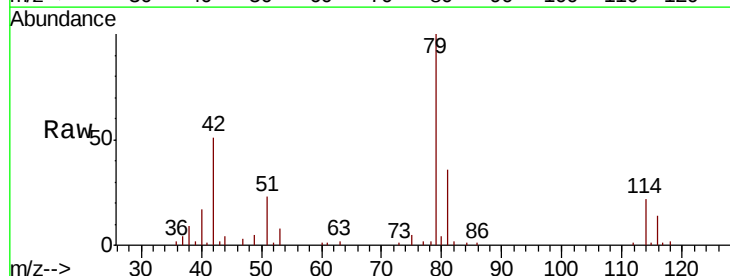
Instrument :
 MSVOA_V
 ClientSampleId :

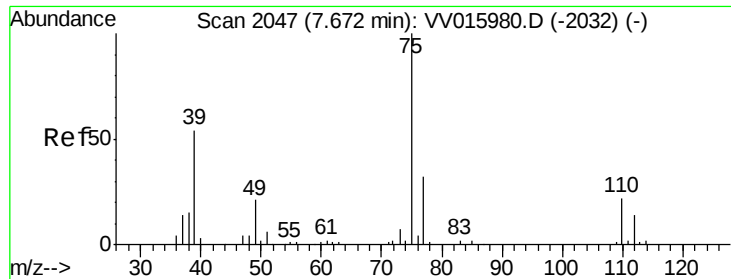
Tot Ion: 63 Resp: 5939
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015986.D
 Acq: 11 May 2020 13:51

Tgt Ion: 75 Resp: 1292
 Ion Ratio Lower Upper
 75 100
 77 47.2 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Instrument :

MSVOA_V

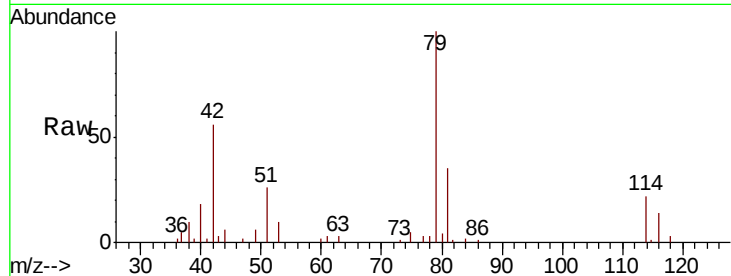
ClientSampleId :

Tot Ion: 75 Resp: 759

Ion Ratio Lower Upper

75 100

77 54.8 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

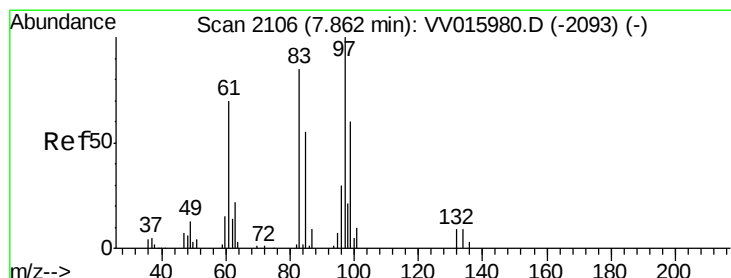
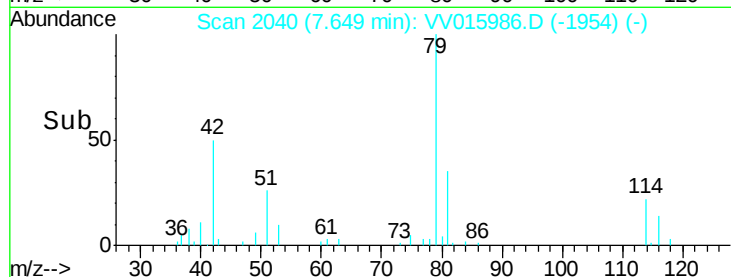
300

200

100

0

Time--> 7.60 7.65



#47

1,1,2-Trichloroethane

Concen: 0.112 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Tgt Ion: 97 Resp: 674

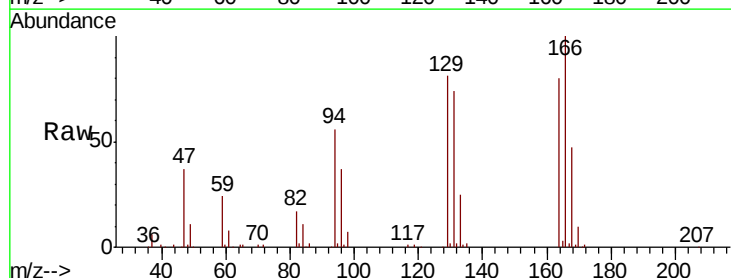
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.1#

83 189.1 59.2 110.0#

85 51.7 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

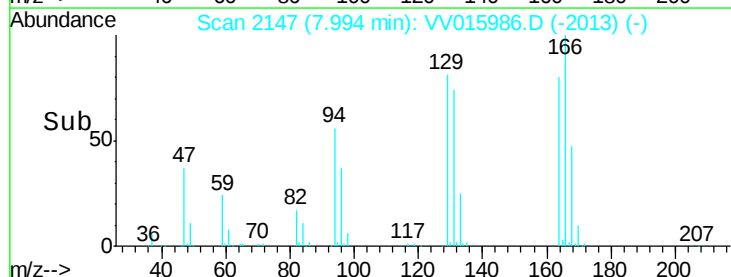
Ion 85.00 (84.70 to 85.70): VV0

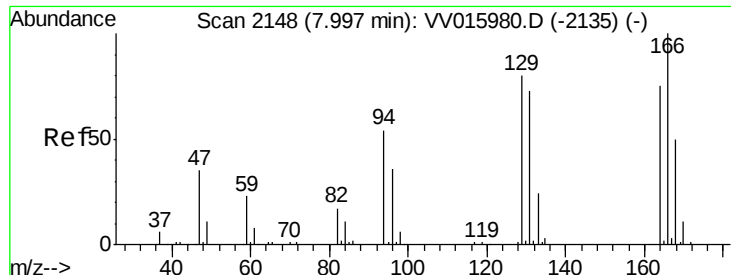
1000

500

0

Time--> 7.96 7.98 8.00 8.02





#49

Tetrachloroethene

Concen: 9.168 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 64769

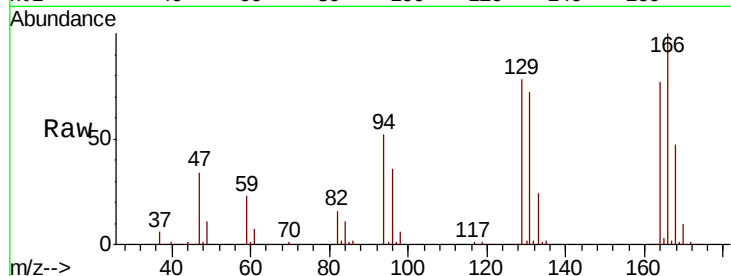
Ion Ratio Lower Upper

164 100

129 100.3 69.7 129.4

131 93.4 66.8 124.2

166 129.3 89.1 165.5

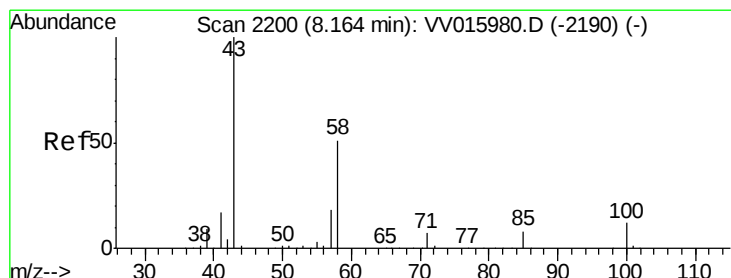
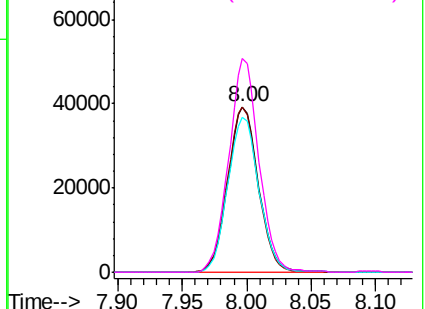
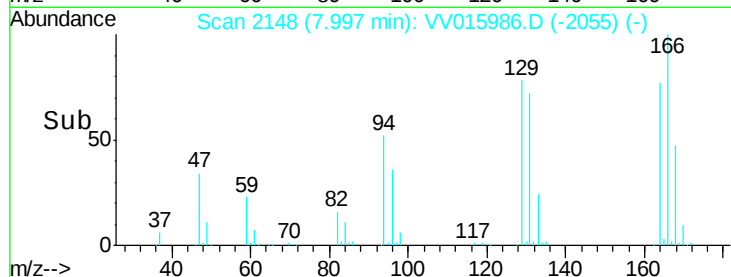


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.178 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Tgt Ion: 43 Resp: 4678

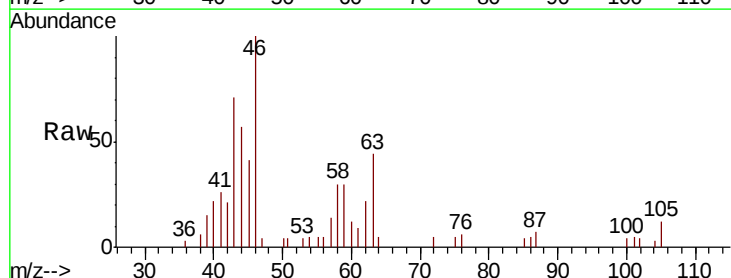
Ion Ratio Lower Upper

43 100

58 49.4 40.8 61.2

57 13.3 14.7 22.1#

100 3.3 9.0 13.6#

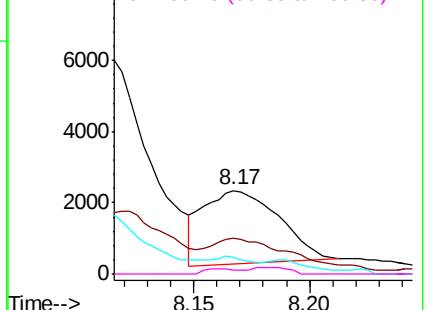
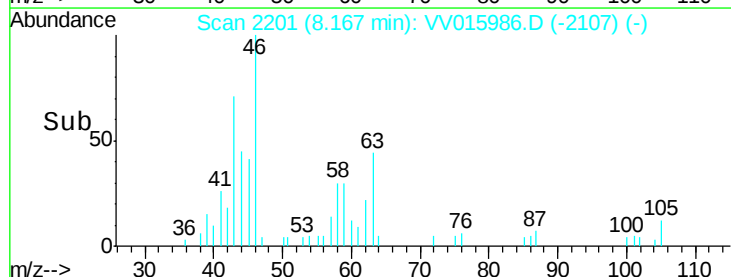


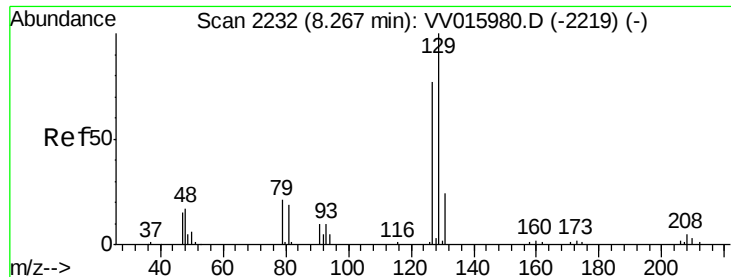
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 9.334 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015986.D

Acq: 11 May 2020 13:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 63122

Ion Ratio Lower Upper

129 100

127 0.3 56.0 104.0#

