

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015575.D
 Acq On : 20 Apr 2020 12:11
 Operator : SY/MD
 Sample : L2333-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:08:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	97103	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	91871	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	43494	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21921	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.58	69	21995	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.12	63	46020	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	3.92	46	72388	51.17	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.34%
24) Chloroform-d	4.38	84	53712	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	30236	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.08	84	99787	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	32469	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.34	98	89340	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.65	79	8434	3.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.00%
46) 2-Hexanone-d5	8.11	63	52474	39.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	22613	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	33499	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2773	0.289 ug/L	98
8) Chloroethane	1.56	64	919	0.180 ug/L #	43
12) 1,1-Dichloroethene	2.13	96	21025	3.449 ug/L #	79
19) 1,1-Dichloroethane	3.22	63	3610	0.279 ug/L	91
21) 2-Butanone	3.94	43	3355	2.077 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	21952	3.078 ug/L	98
25) Chloroform	4.40	83	2841	0.214 ug/L	81
27) 1,2-Dichloroethane	5.08	62	699	0.082 ug/L #	77
29) 1,1,1-Trichloroethane	4.63	97	3923	0.329 ug/L	96
31) Carbon tetrachloride	4.86	117	1414	0.136 ug/L	88
34) Trichloroethene	5.94	95	85023	11.488 ug/L	99
35) Methylcyclohexane	6.10	83	8379	0.672 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	4126	0.605 ug/L #	86
47) Tetrachloroethene	8.00	164	59887	10.922 ug/L	98
48) 2-Hexanone	8.11	43	8430	2.694 ug/L #	90
49) Dibromochloromethane	8.00	129	57959	10.554 ug/L #	10

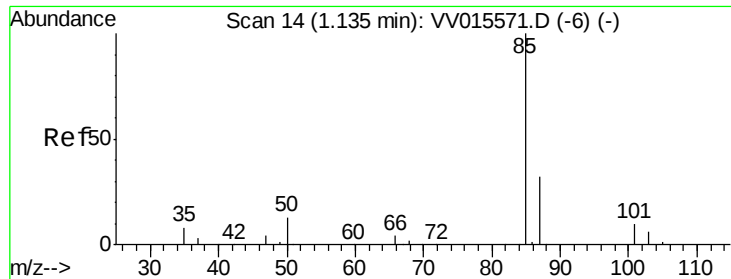
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
Data File : VV015575.D
Acq On : 20 Apr 2020 12:11
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 21 00:05:52 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: 0.289 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

Instrument :

MSVOA_V

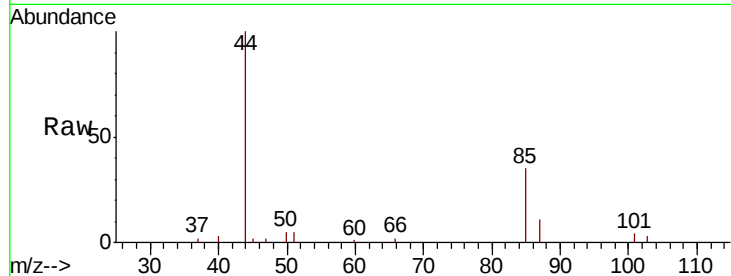
ClientSampleId :

Tot Ion: 85 Resp: 2773

Ion Ratio Lower Upper

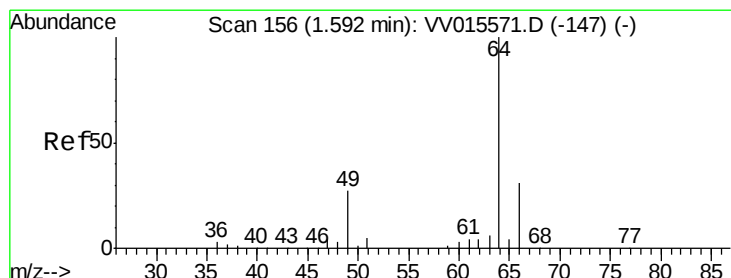
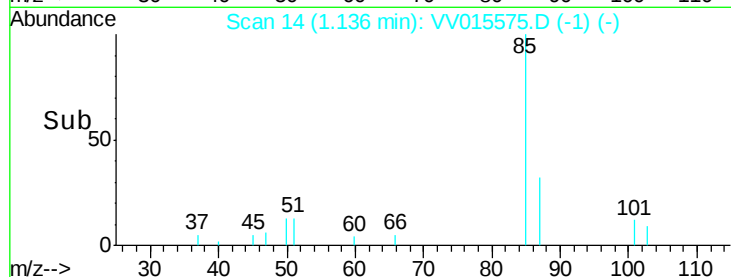
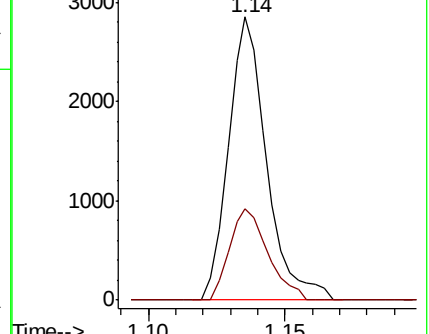
85 100

87 32.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#8

Chloroethane

Concen: 0.180 ug/L

RT: 1.56 min Scan# 147

Delta R.T. -0.03 min

Lab File: VV015575.D

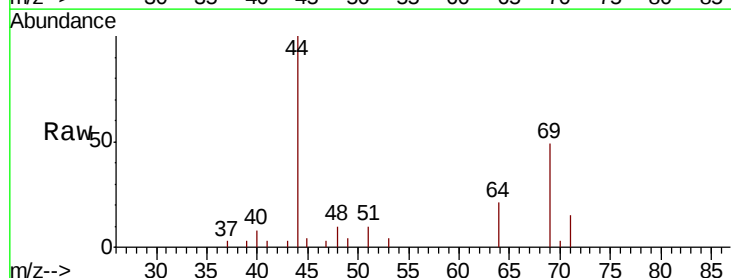
Acq: 20 Apr 2020 12:11

Tgt Ion: 64 Resp: 919

Ion Ratio Lower Upper

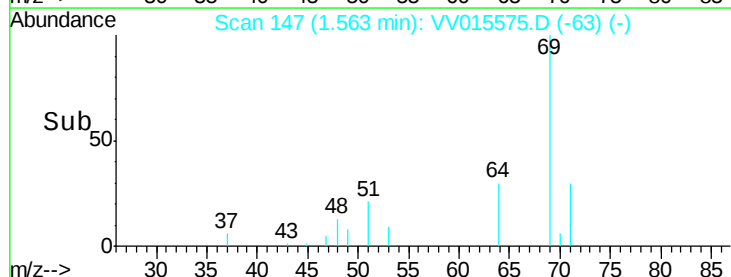
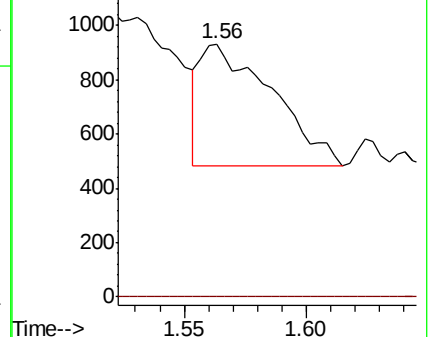
64 100

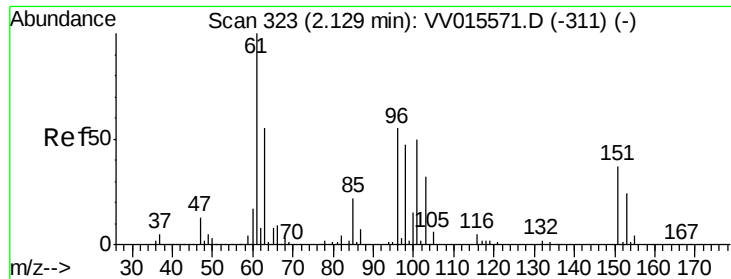
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 3.449 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

Instrument :
MSVOA_V
ClientSampled :

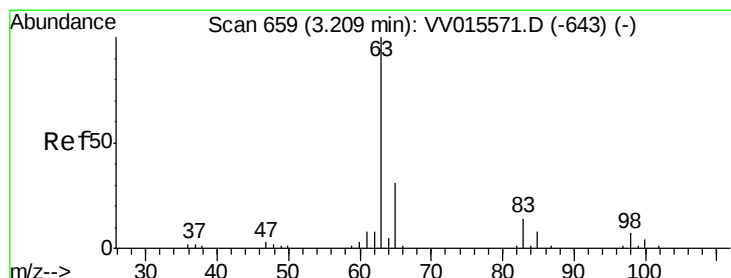
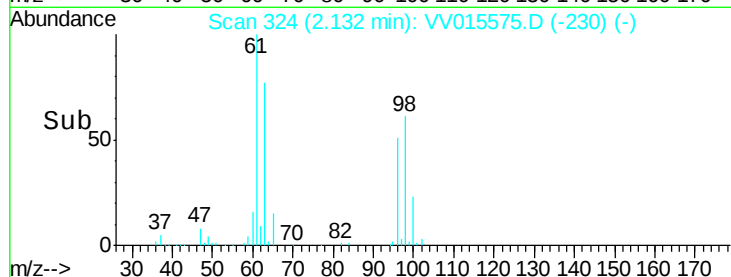
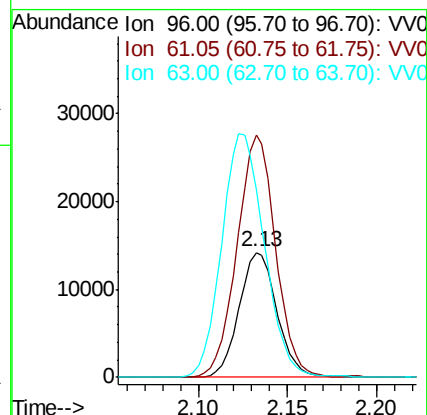
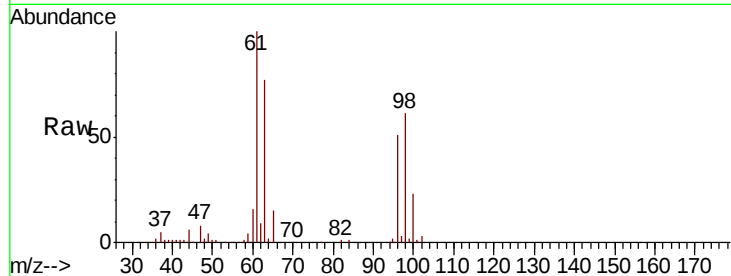
Tot Ion: 96 Resp: 21025

Ion Ratio Lower Upper

96 100

61 194.4 127.7 237.1

63 150.3 75.1 139.5#



#19

1,1-Dichloroethane

Concen: 0.279 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

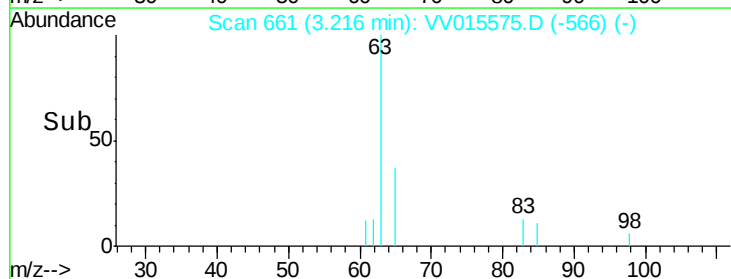
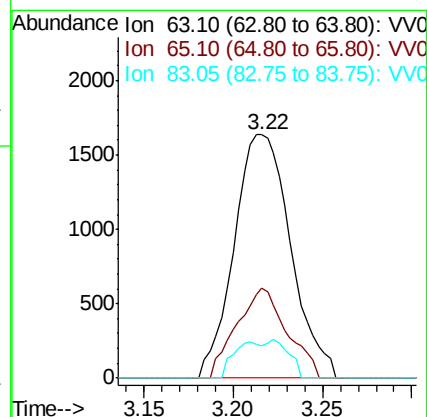
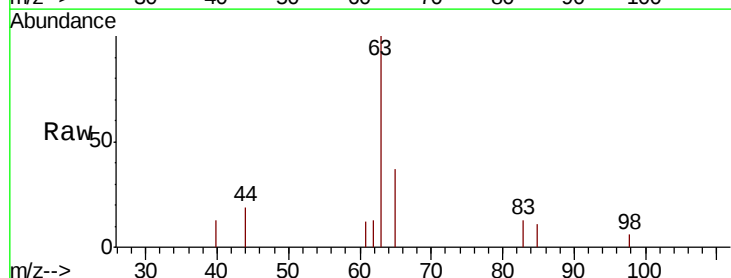
Tgt Ion: 63 Resp: 3610

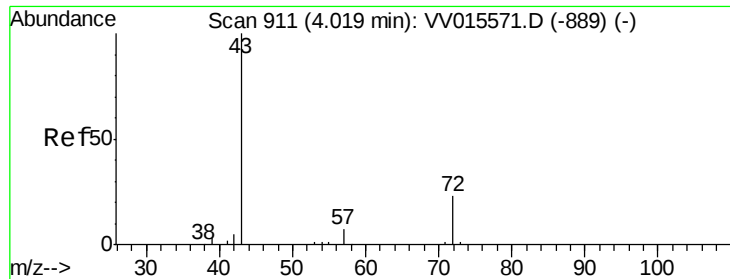
Ion Ratio Lower Upper

63 100

65 37.2 21.3 39.6

83 13.4 9.4 17.6





#21

2-Butanone

Concen: 2.077 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.08 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

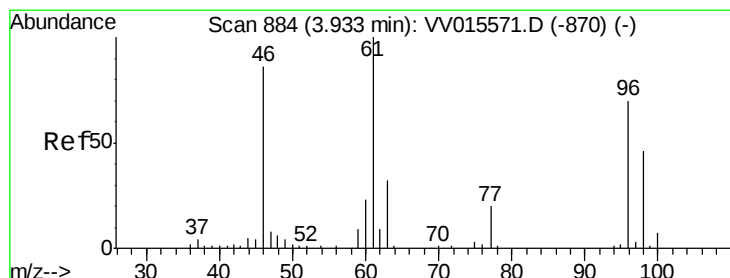
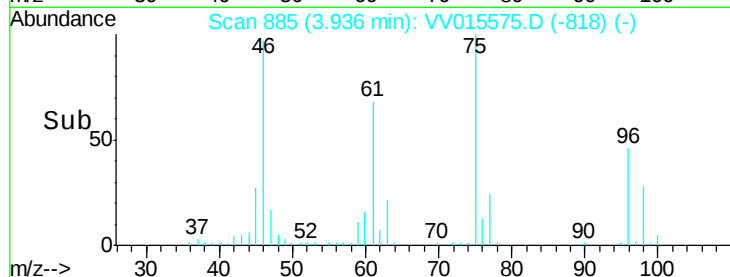
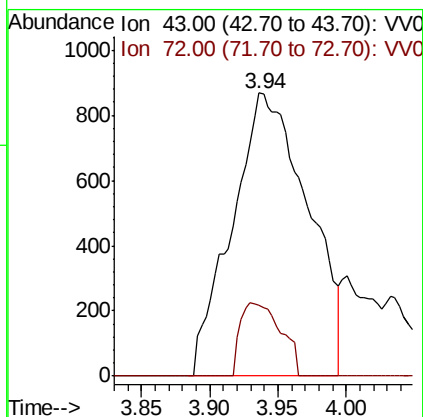
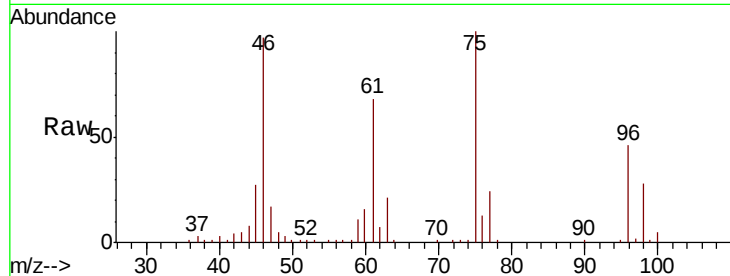
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3355

Ion Ratio Lower Upper

43 100

72 13.7 5.9 17.8



#22

cis-1,2-Dichloroethene

Concen: 3.078 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

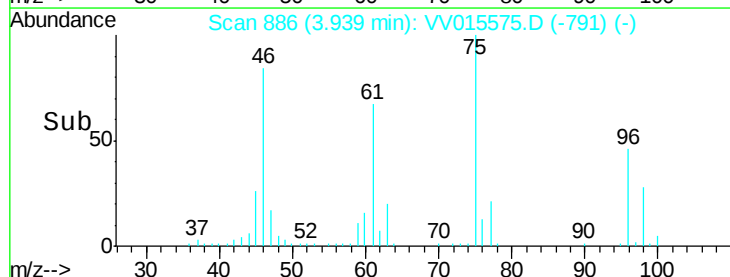
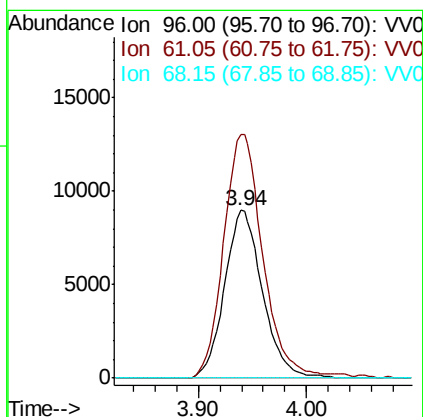
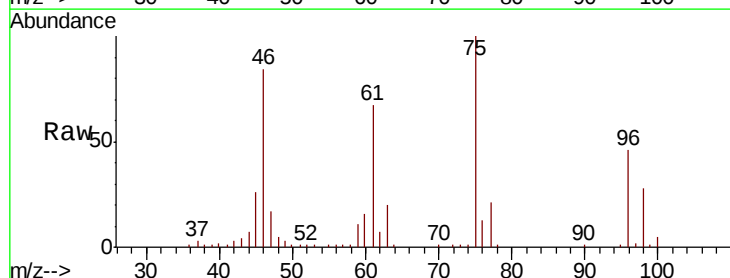
Tgt Ion: 96 Resp: 21952

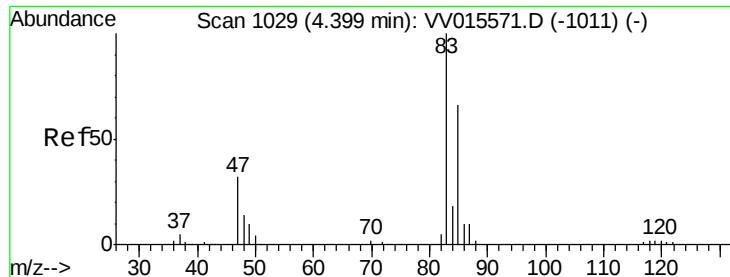
Ion Ratio Lower Upper

96 100

61 145.0 100.0 185.8

68 0.0 0.0 0.0

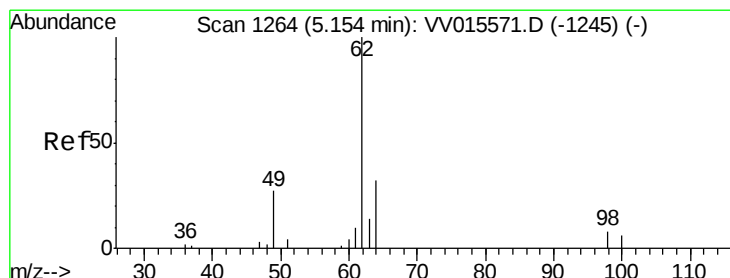
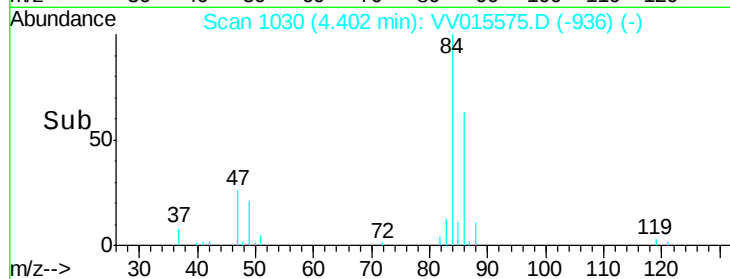
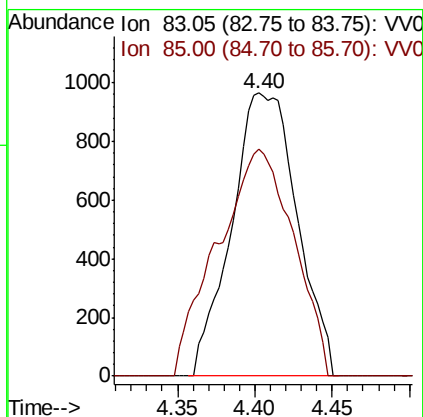
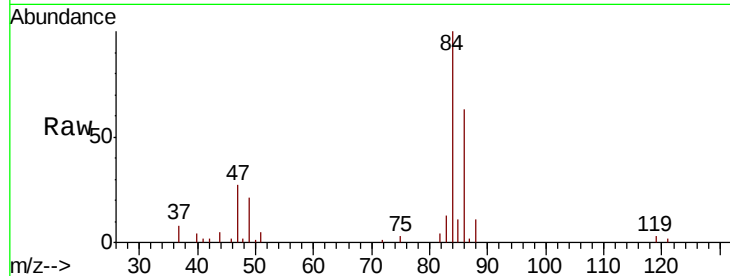




#25
Chloroform
Concen: 0.214 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015575.D
Acq: 20 Apr 2020 12:11

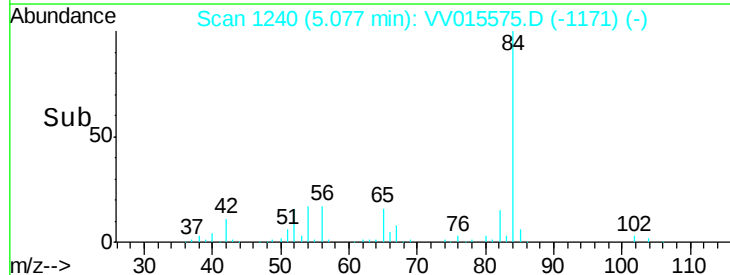
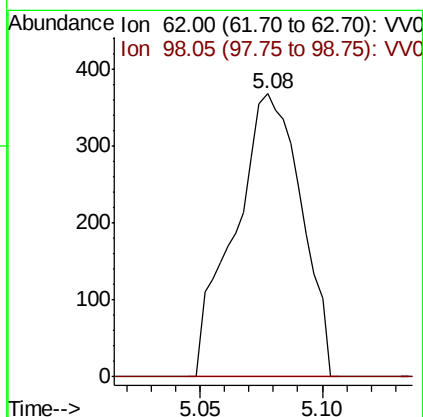
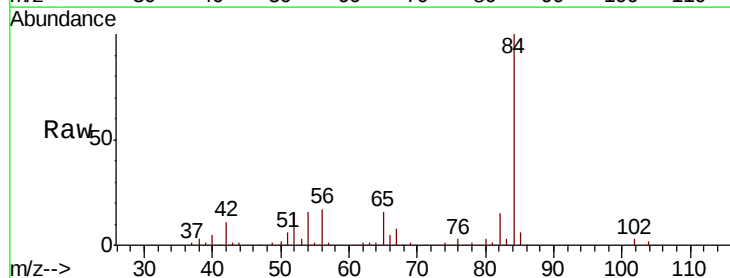
Instrument :
MSVOA_V
ClientSampled :

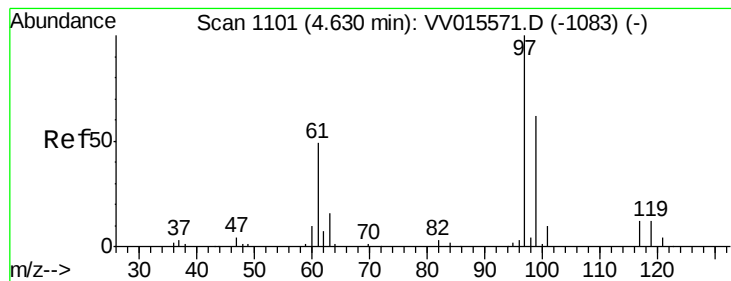
Tot Ion: 83 Resp: 2841
Ion Ratio Lower Upper
83 100
85 80.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.082 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV015575.D
Acq: 20 Apr 2020 12:11

Tgt Ion: 62 Resp: 699
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#29

1,1,1-Trichloroethane

Concen: 0.329 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

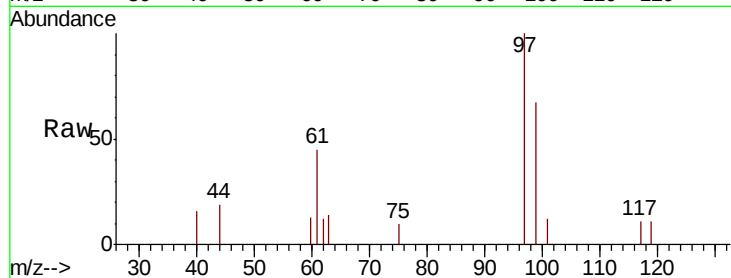
Tot Ion: 97 Resp: 3923

Ion Ratio Lower Upper

97 100

99 68.2 51.6 77.4

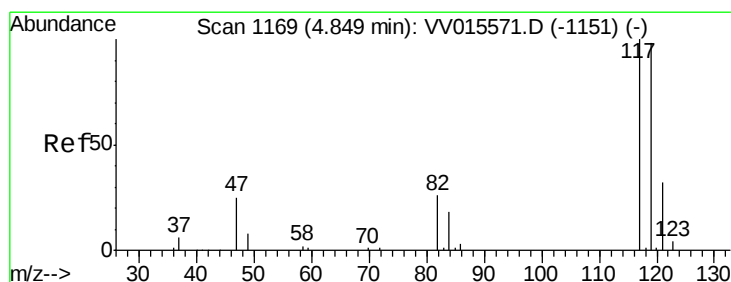
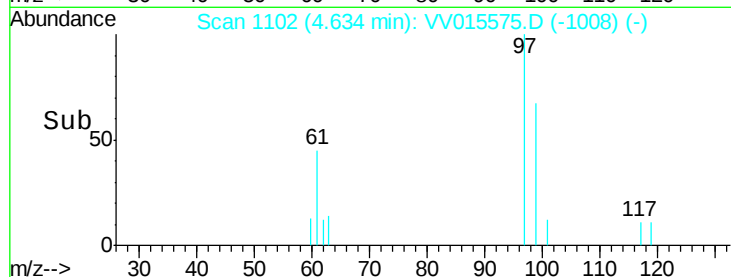
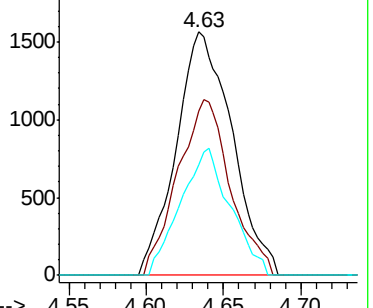
61 46.8 39.0 58.6



Abundance Ion 96.95 (96.65 to 97.65): VV015575.D (-1083) (-)

Ion 99.05 (98.75 to 99.75): VV015575.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV015575.D (-1083) (-)



#31

Carbon tetrachloride

Concen: 0.136 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015575.D

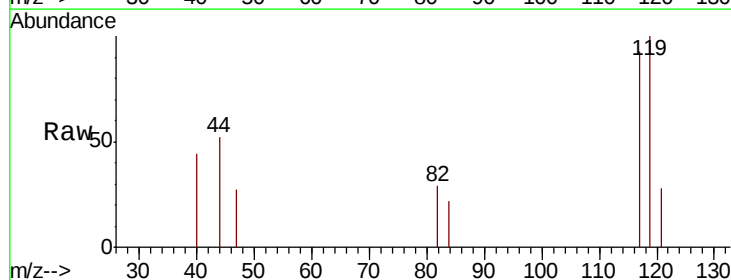
Acq: 20 Apr 2020 12:11

Tgt Ion: 117 Resp: 1414

Ion Ratio Lower Upper

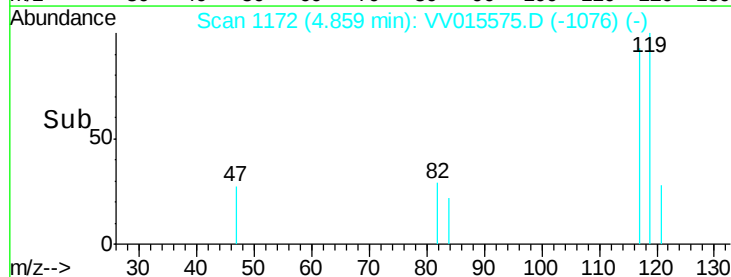
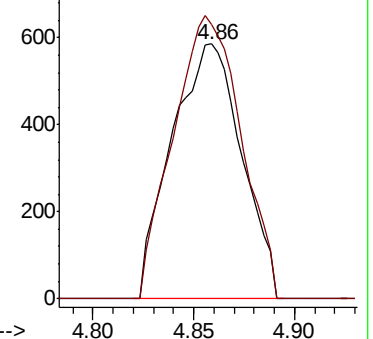
117 100

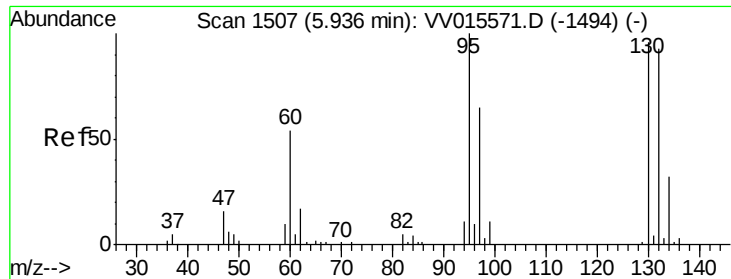
119 107.9 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): VV015575.D (-1076) (-)

Ion 118.90 (118.60 to 119.60): VV015575.D (-1076) (-)

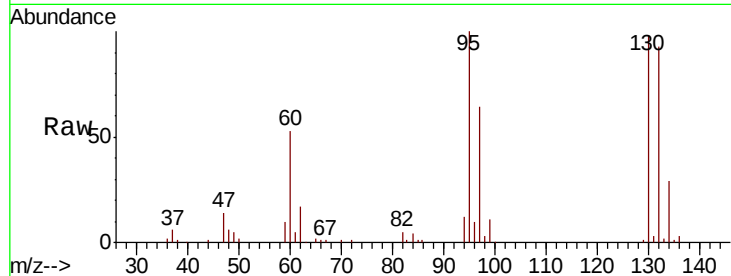




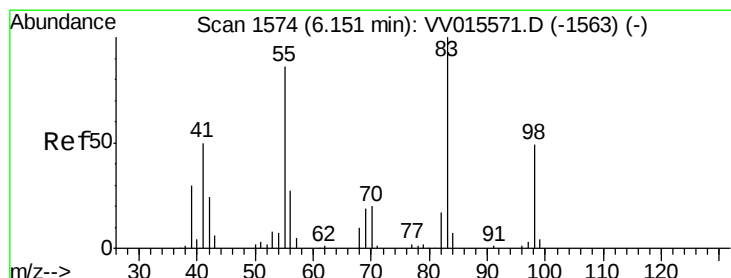
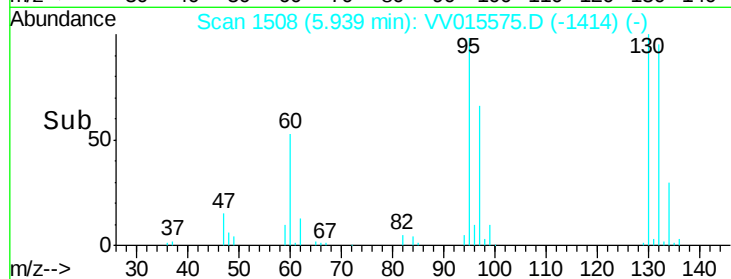
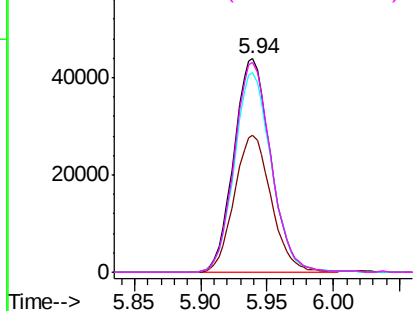
#34
 Trichloroethene
 Concen: 11.488 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015575.D
 Acq: 20 Apr 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 85023
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.4 84.4
 132 93.3 64.8 120.4
 130 98.1 67.4 125.2

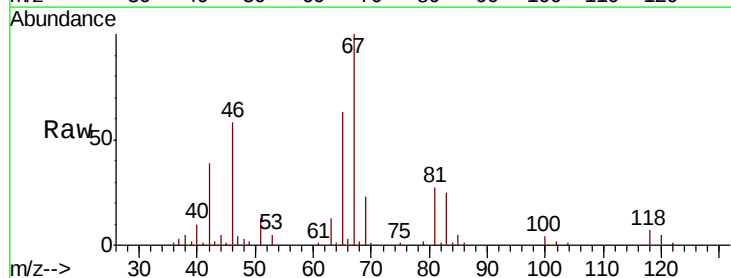


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

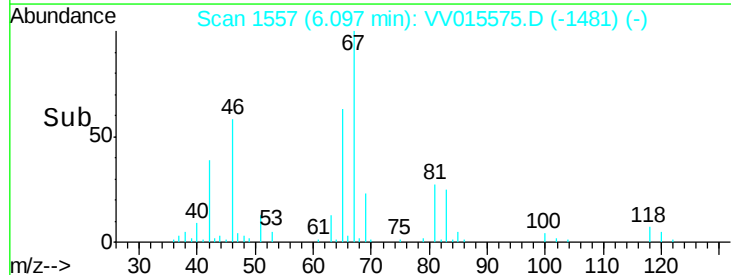
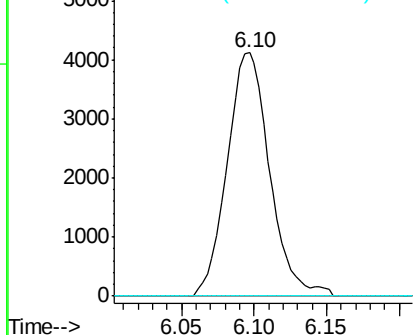


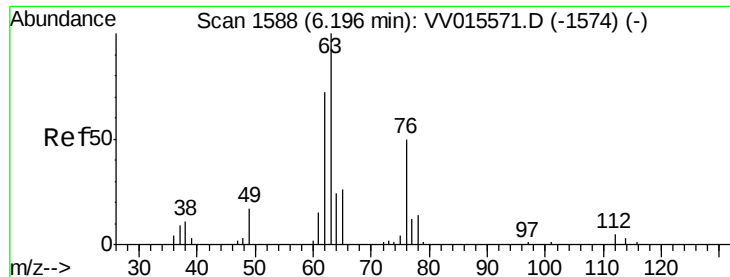
#35
 Methylcyclohexane
 Concen: 0.672 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015575.D
 Acq: 20 Apr 2020 12:11

Tgt Ion: 83 Resp: 8379
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 2.1 38.7 58.1#



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: 0.605 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

Instrument :

MSVOA_V

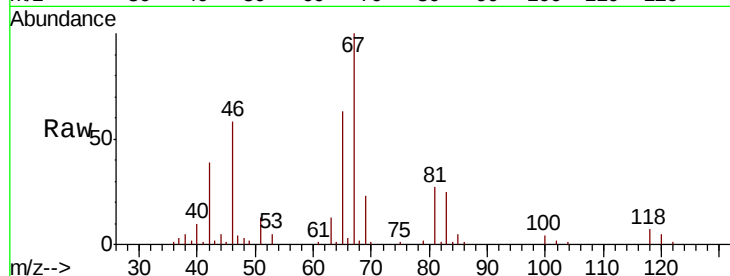
ClientSampleId :

Tot Ion: 63 Resp: 4126

Ion Ratio Lower Upper

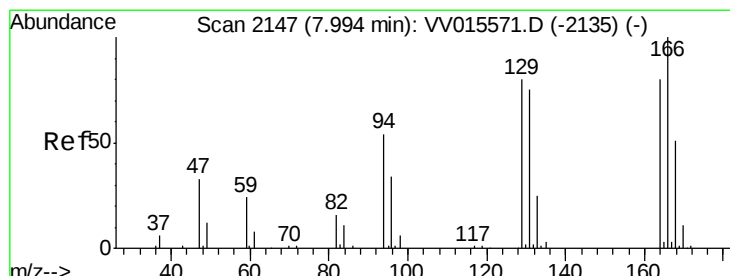
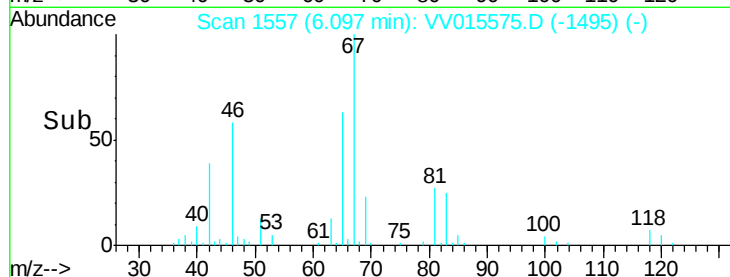
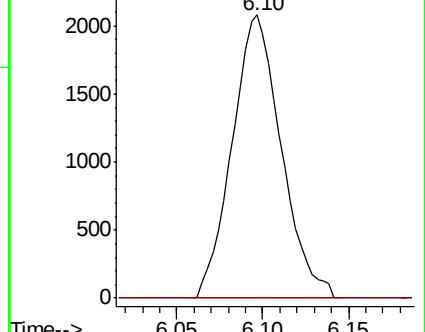
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015571.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV015571.D (-1574) (-)



#47

Tetrachloroethene

Concen: 10.922 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015575.D

Acq: 20 Apr 2020 12:11

Tgt Ion:164 Resp: 59887

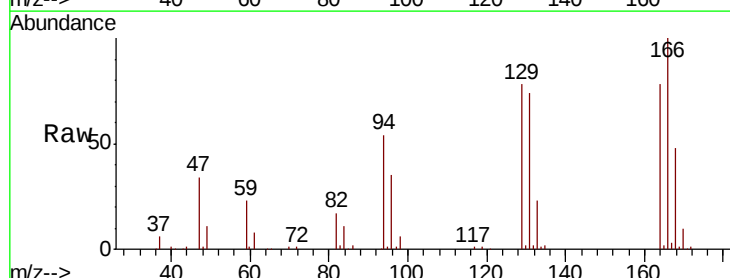
Ion Ratio Lower Upper

164 100

129 99.1 70.6 131.0

131 93.9 68.3 126.8

166 127.4 88.3 163.9

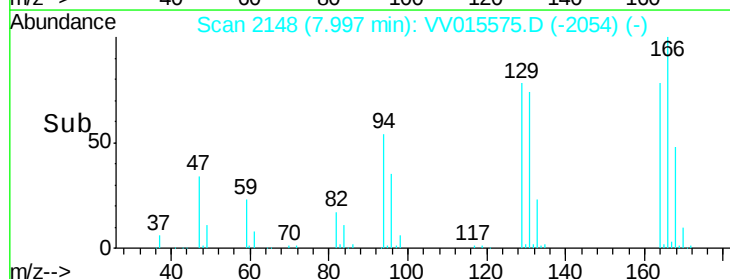
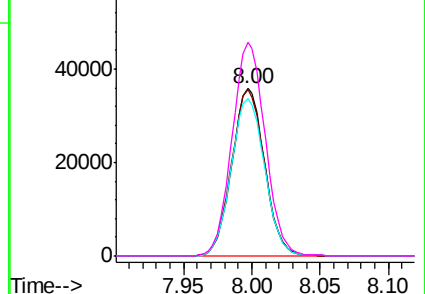


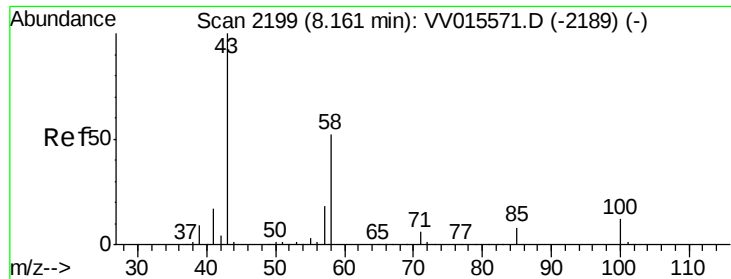
Abundance Ion 163.90 (163.60 to 164.60): VV015571.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015571.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015571.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015571.D (-2135) (-)

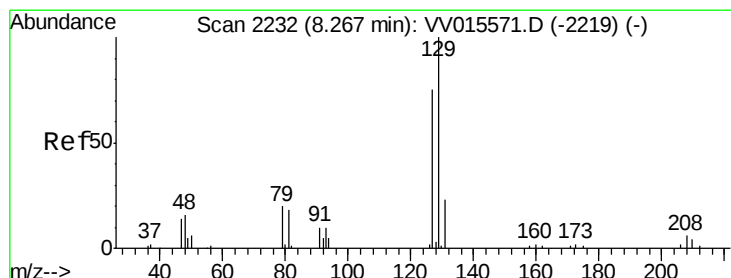
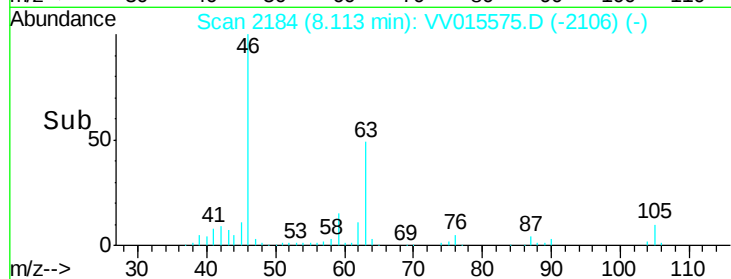
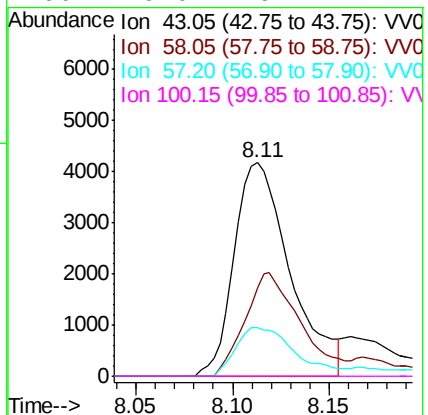
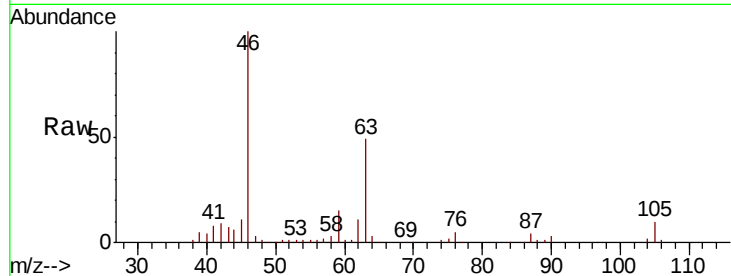




#48
2-Hexanone
Concen: 2.694 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015575.D
Acq: 20 Apr 2020 12:11

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 8430
Ion Ratio Lower Upper
43 100
58 48.3 41.4 62.0
57 24.2 15.0 22.4#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 10.554 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015575.D
Acq: 20 Apr 2020 12:11

Tgt Ion: 129 Resp: 57959
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

