

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015736.D
 Acq On : 27 Apr 2020 17:57
 Operator : SY/MD
 Sample : L2413-19DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:21:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	126093	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57230	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25914	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.58	69	27783	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.12	63	45479	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.93	46	116119	54.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.76%
24) Chloroform-d	4.38	84	71941	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	45407	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.08	84	141259	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.09	67	46133	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.34	98	126028	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.65	79	13838	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.11	63	84385	48.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34153	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	51509	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

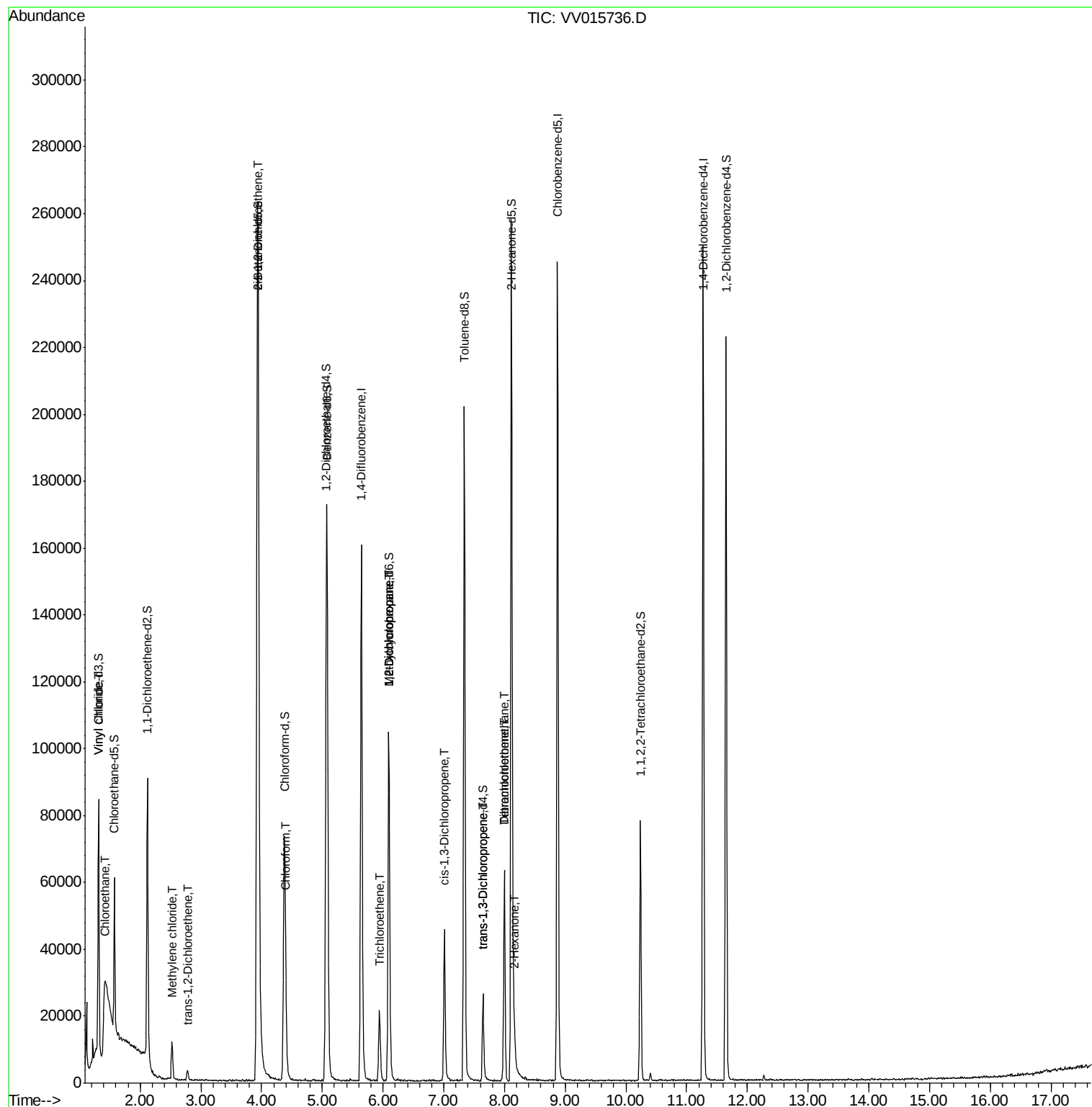
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	19023	1.906	ug/L #	79
8) Chloroethane	1.43	64	101320	15.459	ug/L #	52
16) Methylene chloride	2.52	84	4087	0.451	ug/L	87
18) trans-1,2-Dichloroethene	2.78	96	1022	0.124	ug/L	84
22) cis-1,2-Dichloroethene	3.94	96	113391	12.480	ug/L	96
25) Chloroform	4.41	83	6119	0.357	ug/L	93
34) Trichloroethene	5.94	95	7077	0.735	ug/L	98
35) Methylcyclohexane	6.10	83	11438	0.774	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5779	0.652	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1341	0.109	ug/L #	68
44) trans-1,3-Dichloropropene	7.65	75	725	0.070	ug/L	84
47) Tetrachloroethene	8.00	164	12989	1.873	ug/L	94
48) 2-Hexanone	8.17	43	3509	0.855	ug/L #	96
49) Dibromochloromethane	8.00	129	12645	2.023	ug/L #	12

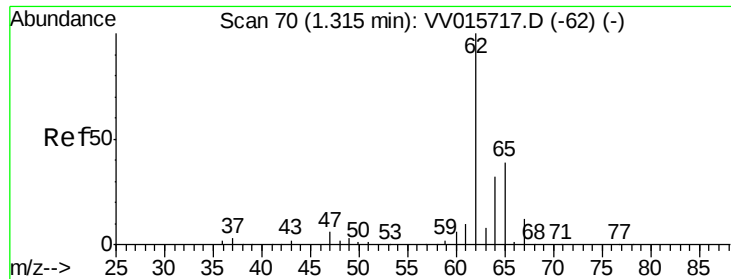
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.906 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015736.D

Acq: 27 Apr 2020 17:57

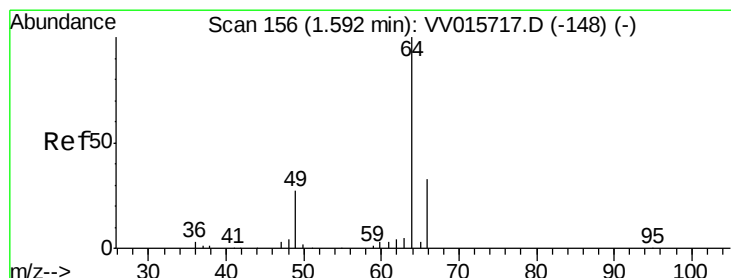
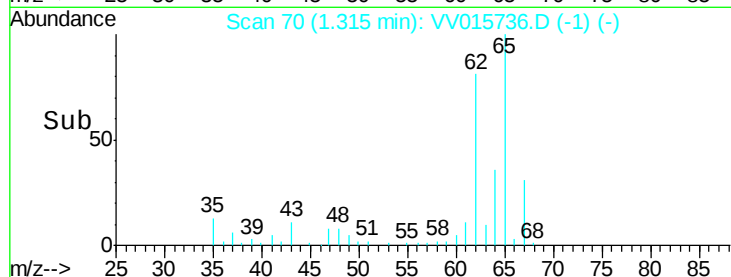
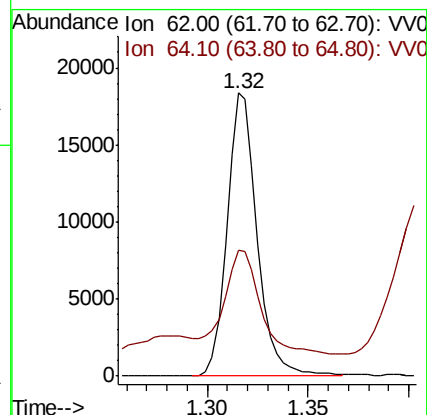
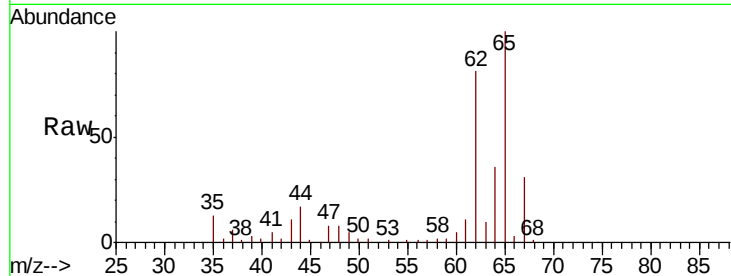
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 19023

Ion Ratio Lower Upper

62 100

64 44.3 22.7 42.1#



#8

Chloroethane

Concen: 15.459 ug/L

RT: 1.43 min Scan# 107

Delta R.T. -0.16 min

Lab File: VV015736.D

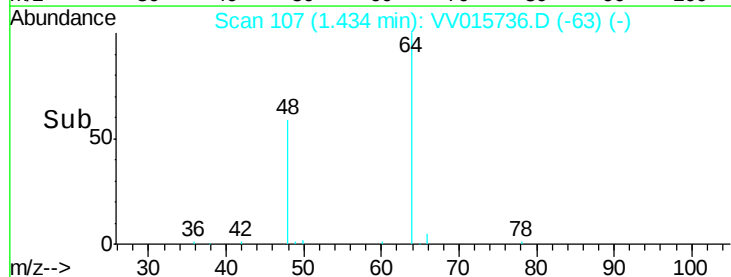
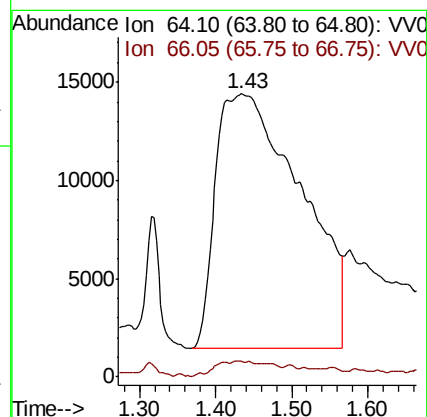
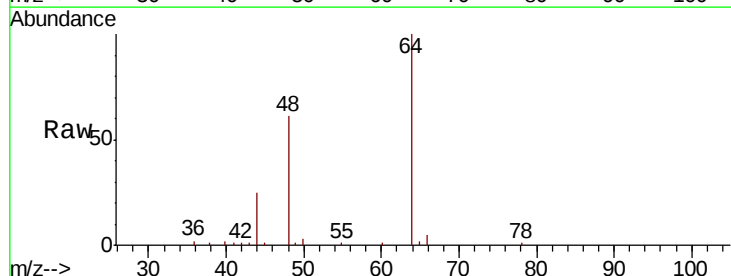
Acq: 27 Apr 2020 17:57

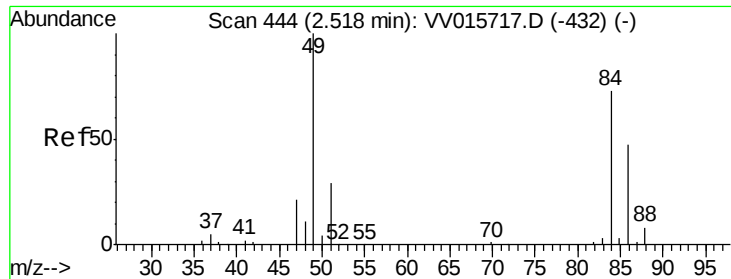
Tgt Ion: 64 Resp: 101320

Ion Ratio Lower Upper

64 100

66 5.4 22.3 41.5#

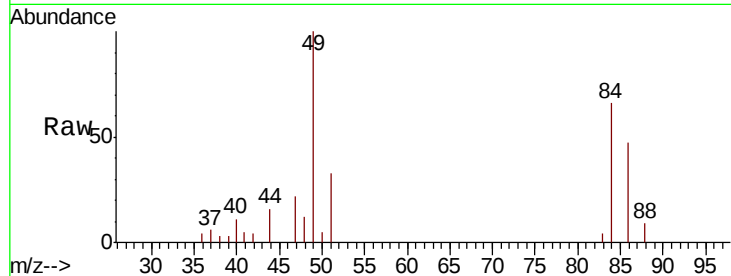




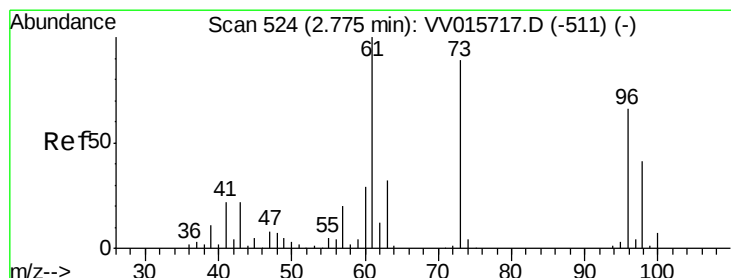
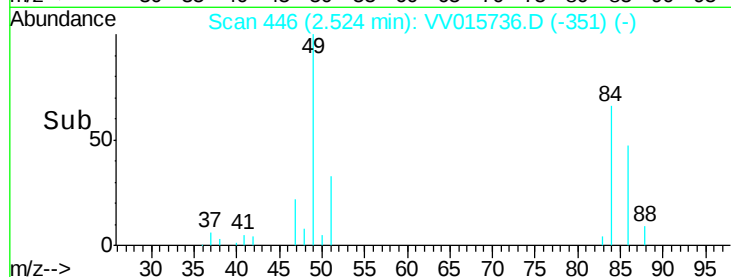
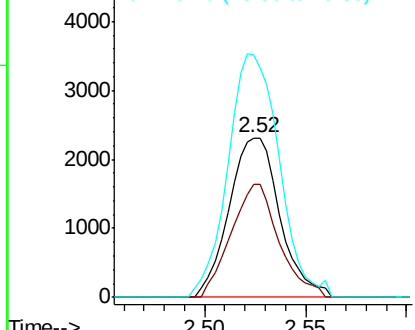
#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 4087
Ion Ratio Lower Upper
84 100
86 71.3 45.1 83.7
49 152.1 94.4 175.4

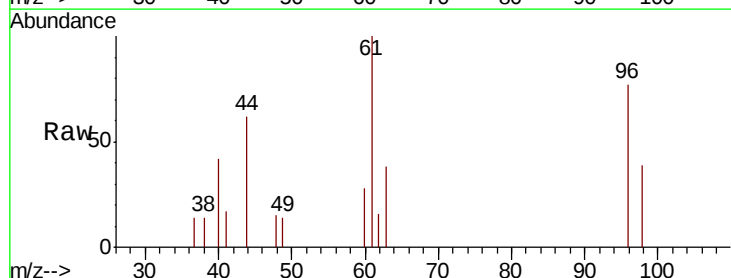


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

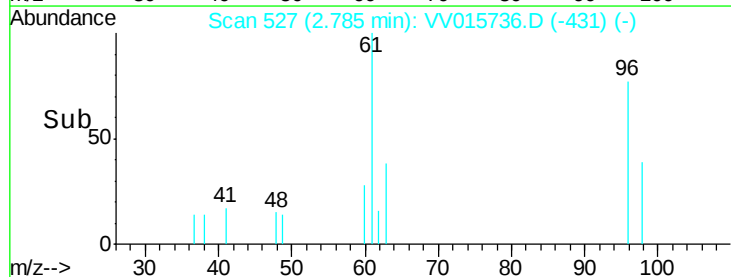
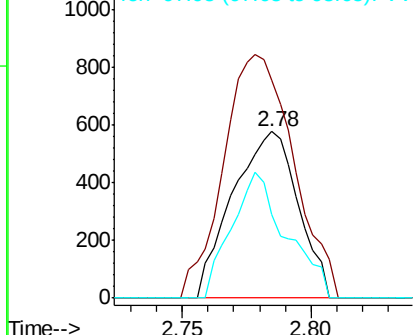


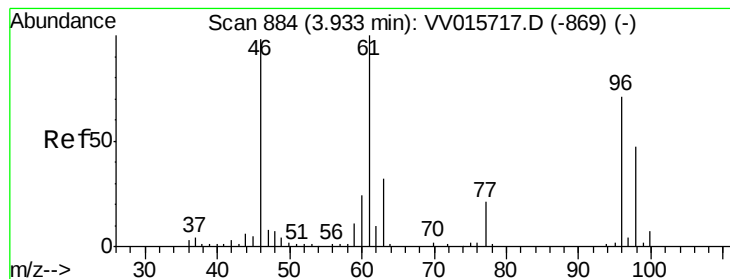
#18
trans-1,2-Dichloroethene
Concen: 0.124 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Tgt Ion: 96 Resp: 1022
Ion Ratio Lower Upper
96 100
61 130.6 105.5 195.9
98 50.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



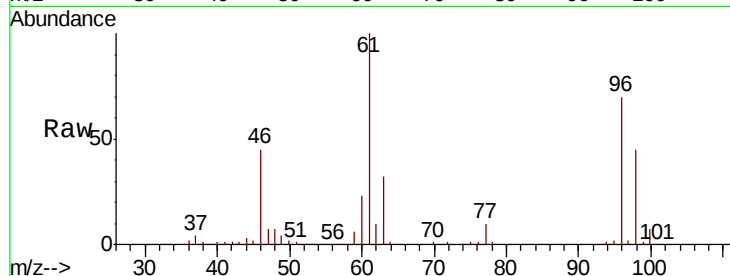


#22

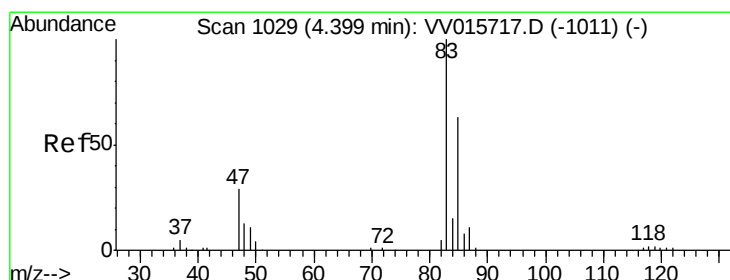
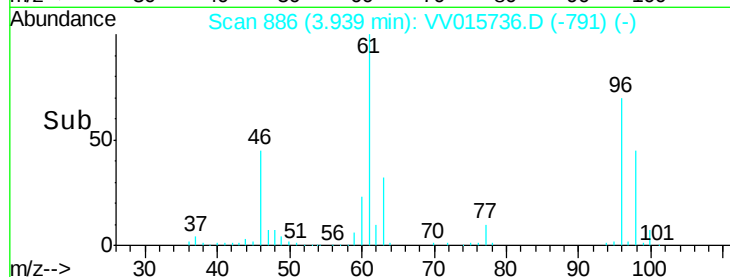
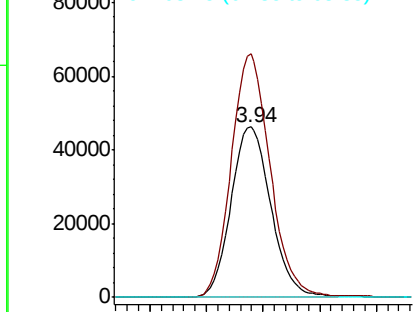
cis-1,2-Dichloroethene
Concen: 12.480 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 113391
Ion Ratio Lower Upper
96 100
61 142.9 96.4 179.0
68 0.0 0.0 0.0



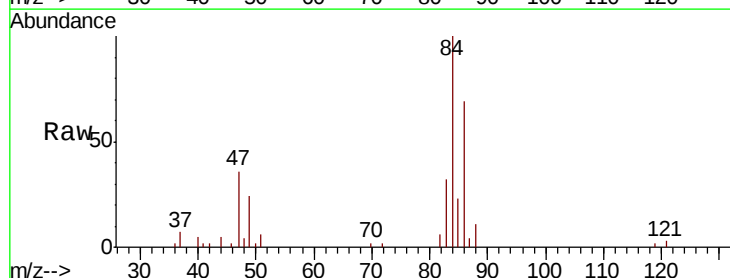
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



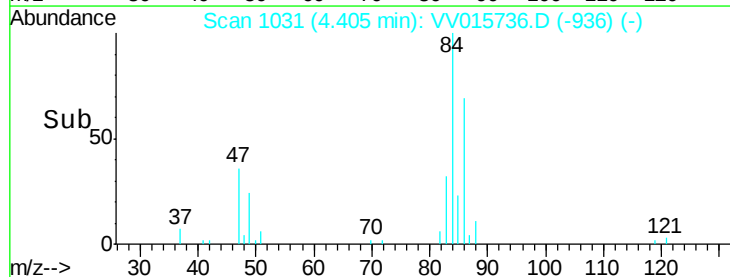
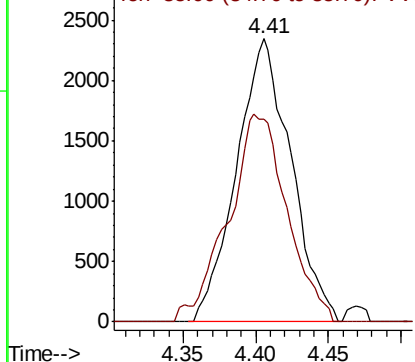
#25

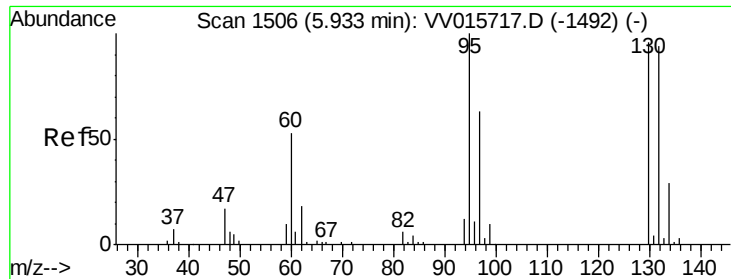
Chloroform
Concen: 0.357 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Tgt Ion: 83 Resp: 6119
Ion Ratio Lower Upper
83 100
85 71.5 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

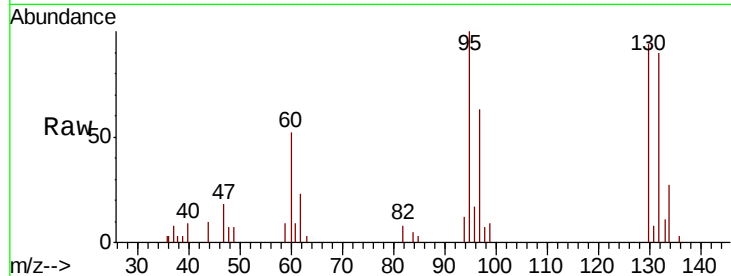




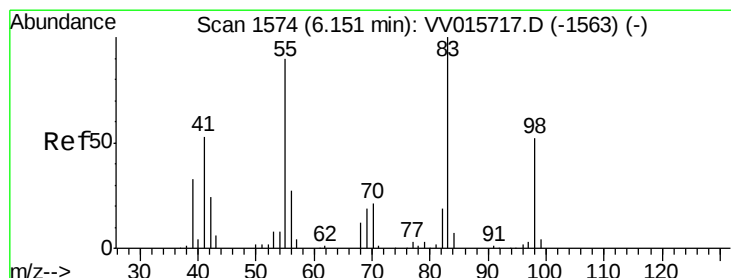
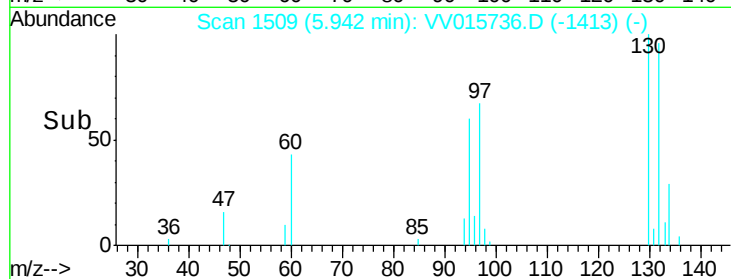
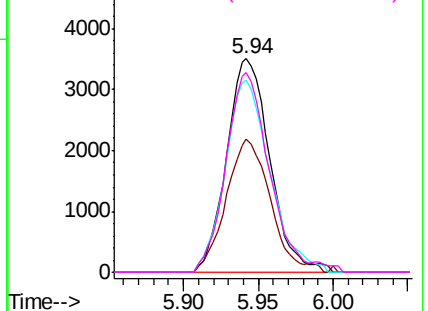
#34
 Trichloroethene
 Concen: 0.735 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015736.D
 Acq: 27 Apr 2020 17:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 7077
 Ion Ratio Lower Upper
 95 100
 97 62.5 44.7 82.9
 132 89.7 65.2 121.0
 130 93.6 65.0 120.6

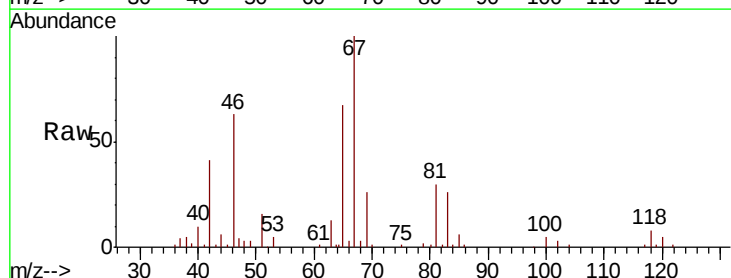


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

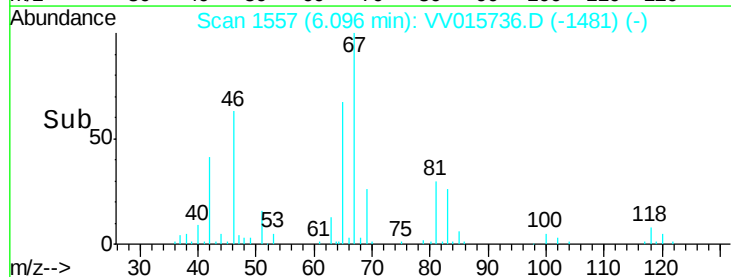
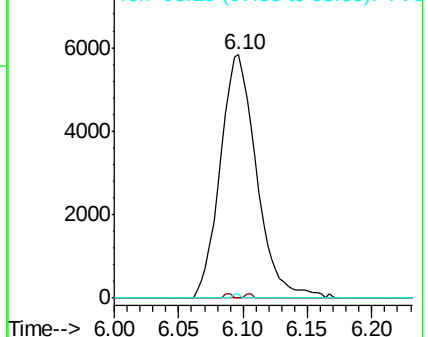


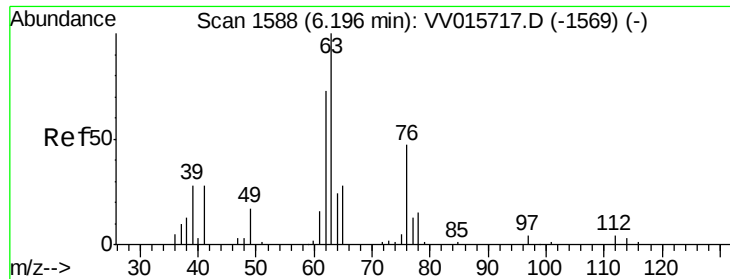
#35
 Methylcyclohexane
 Concen: 0.774 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015736.D
 Acq: 27 Apr 2020 17:57

Tgt Ion: 83 Resp: 11438
 Ion Ratio Lower Upper
 83 100
 55 0.4 66.6 99.8#
 98 0.4 39.5 59.3#



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: 0.652 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015736.D

Acq: 27 Apr 2020 17:57

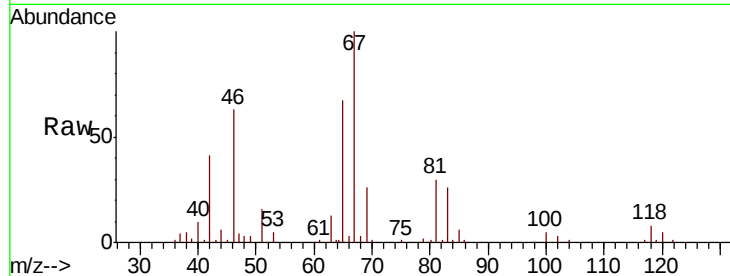
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 5779

Ion Ratio Lower Upper

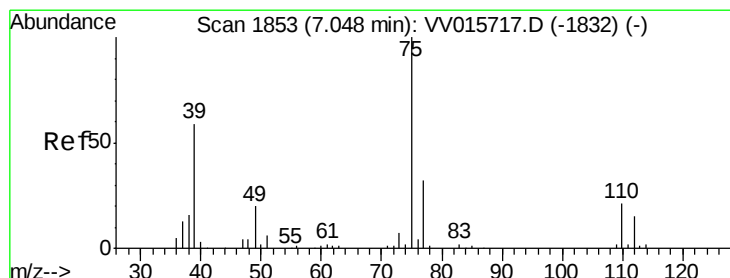
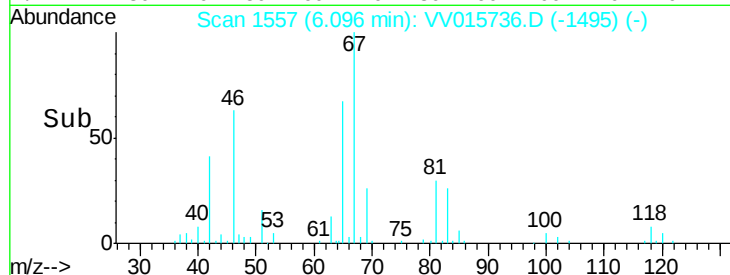
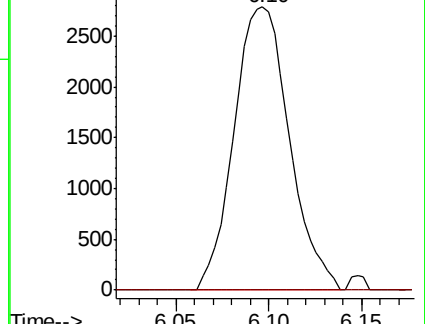
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015717.D (-1569) (-)

Ion 112.10 (111.80 to 112.80): VV015717.D (-1569) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015736.D

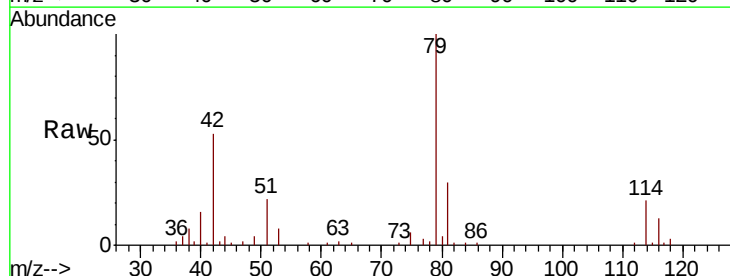
Acq: 27 Apr 2020 17:57

Tgt Ion: 75 Resp: 1341

Ion Ratio Lower Upper

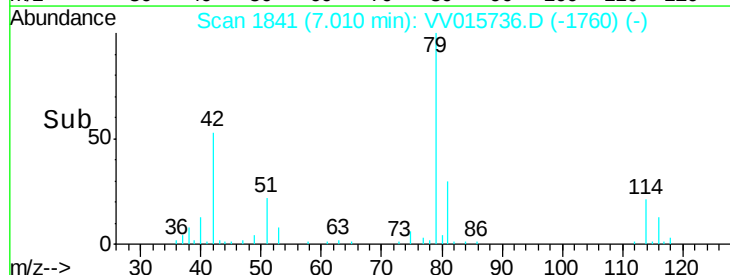
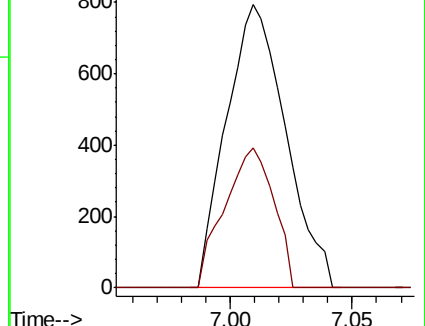
75 100

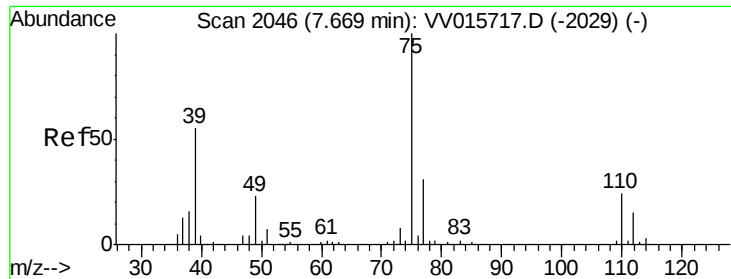
77 49.7 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV015717.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV015717.D (-1832) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV015736.D

Acq: 27 Apr 2020 17:57

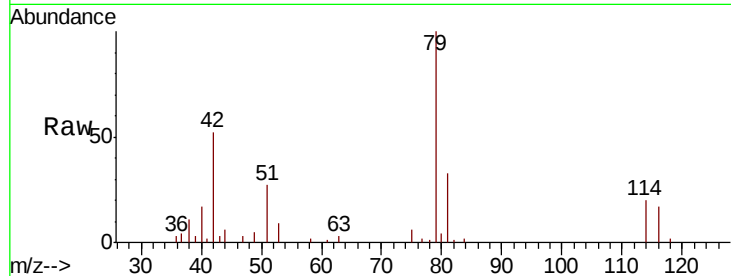
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 725

Ion Ratio Lower Upper

75 100

77 40.1 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015717.D (-2029) (-)

Ion 77.05 (76.75 to 77.75): VV015717.D (-2029) (-)

7.65

400

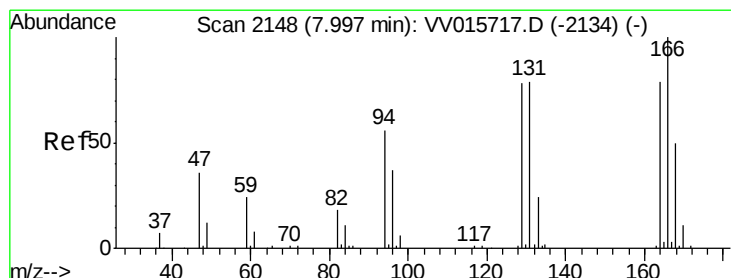
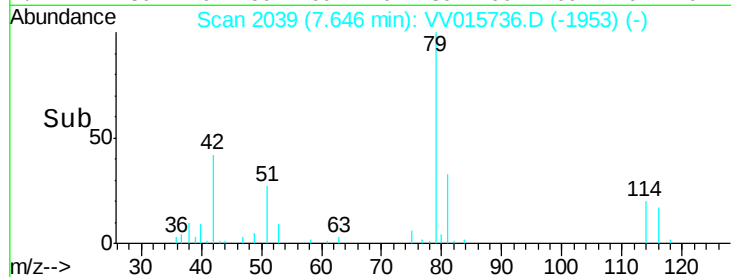
300

200

100

0

Time--> 7.60 7.62 7.64 7.66 7.68



#47

Tetrachloroethene

Concen: 1.873 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015736.D

Acq: 27 Apr 2020 17:57

Tgt Ion:164 Resp: 12989

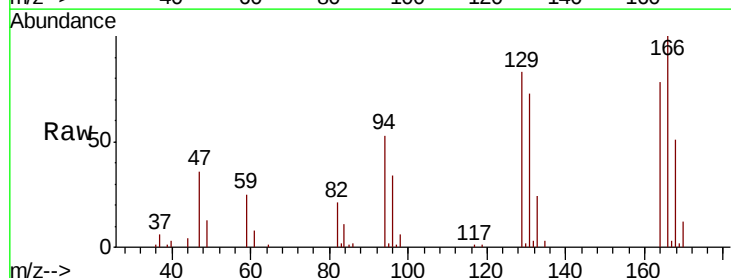
Ion Ratio Lower Upper

164 100

129 106.4 66.7 123.9

131 93.0 66.6 123.6

166 127.5 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015717.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV015717.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV015717.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV015717.D (-2134) (-)

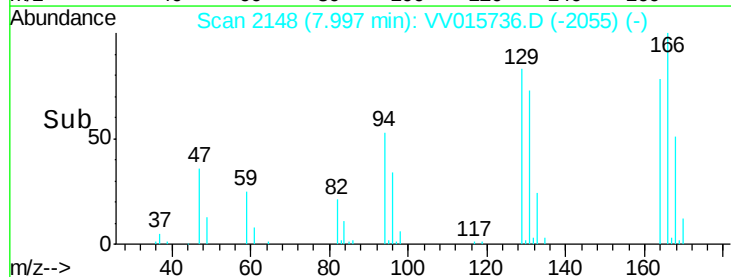
15000

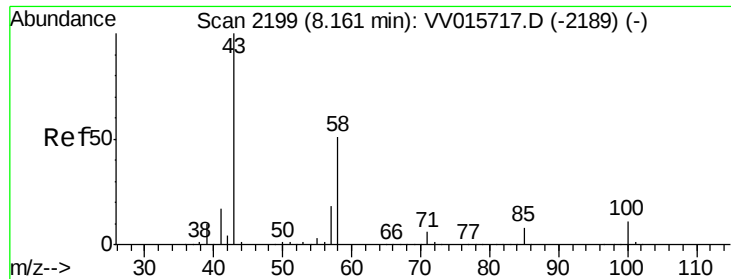
10000

5000

0

Time--> 7.95 8.00 8.05

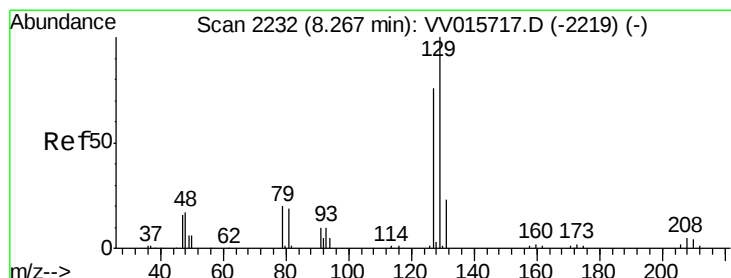
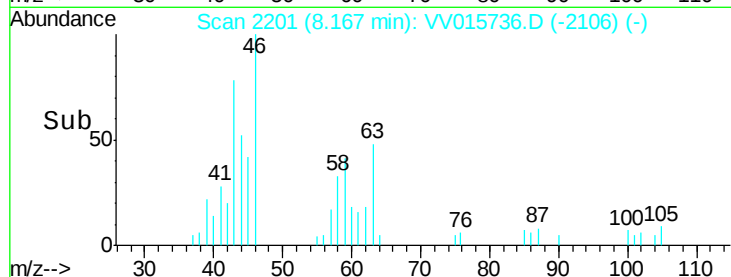
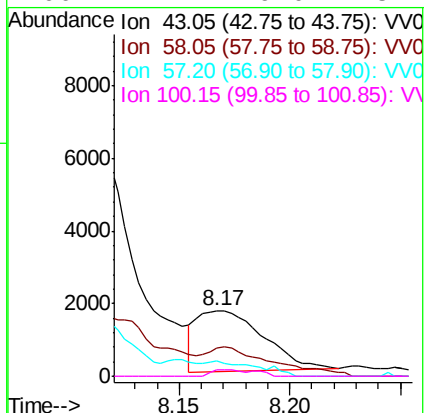
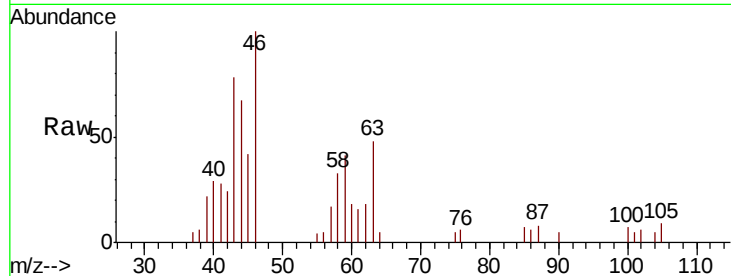




#48
2-Hexanone
Concen: 0.855 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3509
Ion Ratio Lower Upper
43 100
58 48.3 41.1 61.7
57 18.6 15.0 22.4
100 7.2 9.0 13.4#



#49
Dibromochloromethane
Concen: 2.023 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015736.D
Acq: 27 Apr 2020 17:57

Tgt Ion: 129 Resp: 12645
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

