

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016016.D
 Acq On : 12 May 2020 15:53
 Operator : SY/MD
 Sample : L2541-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:58:27 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	137349	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137162	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	61487	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30785	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	32329	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	50749	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.92	46	109566	51.55	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.10%
24) Chloroform-d	4.38	84	73726	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	47433	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.08	84	154671	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.10	67	48455	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.34	98	136418	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
45) trans-1,3-Dichloropropene-	7.65	79	12495	3.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.00%
48) 2-Hexanone-d5	8.12	63	72151	42.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34732	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	52230	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

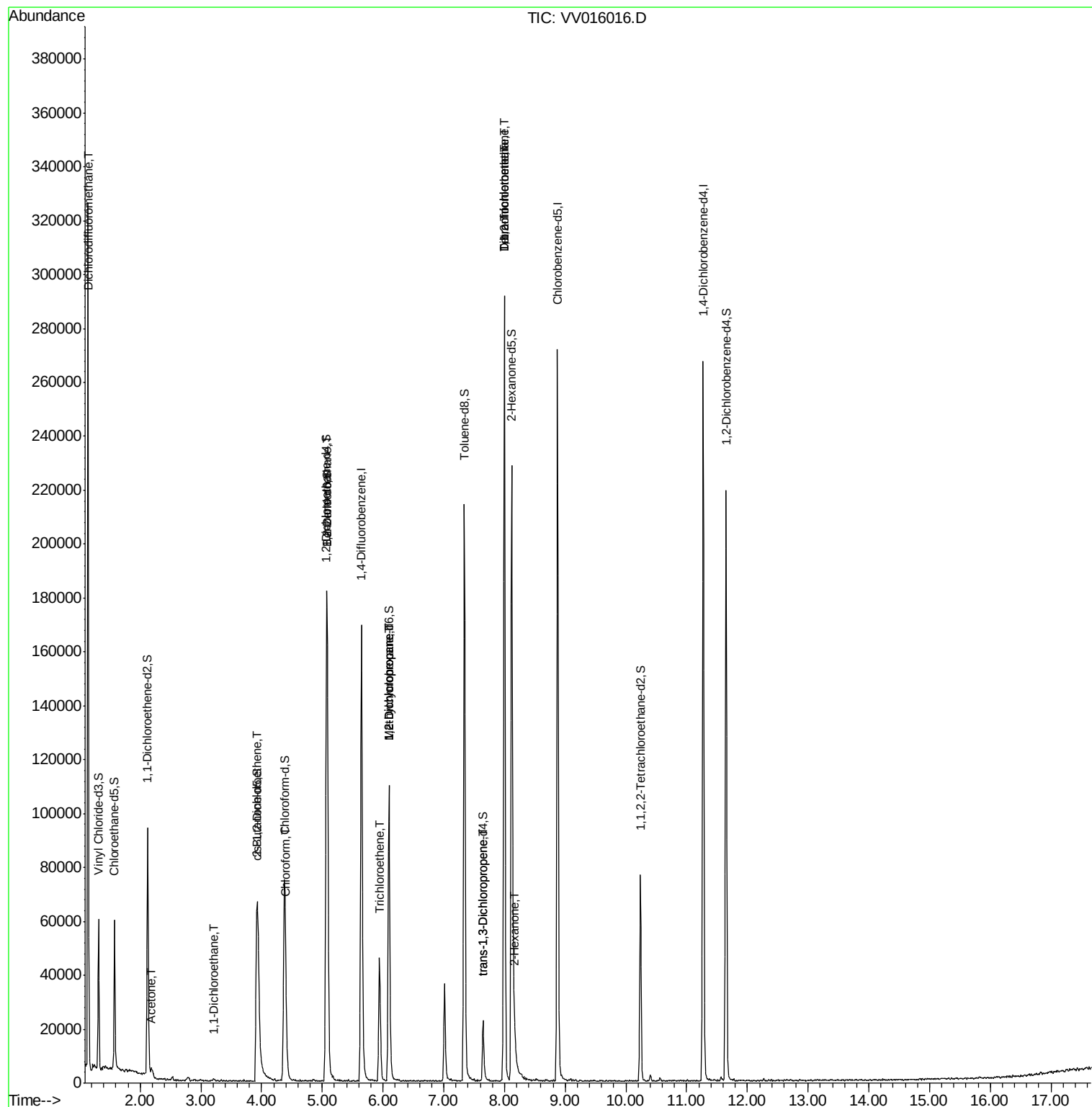
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3669	0.349	ug/L	98
13) Acetone	2.20	43	4394	3.134	ug/L	69
19) 1,1-Dichloroethane	3.21	63	960	0.060	ug/L #	82
22) cis-1,2-Dichloroethene	3.94	96	11899	1.361	ug/L	94
25) Chloroform	4.41	83	9960	0.562	ug/L	96
27) 1,2-Dichloroethane	5.07	62	470	0.043	ug/L #	76
34) Trichloroethene	5.94	95	15037	1.527	ug/L	92
35) Methylcyclohexane	6.10	83	12363	0.830	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6375	0.727	ug/L #	87
46) trans-1,3-Dichloropropene	7.65	75	580	0.055	ug/L #	44
47) 1,1,2-Trichloroethane	8.00	97	642	0.110	ug/L #	1
49) Tetrachloroethene	8.00	164	59487	8.656	ug/L	98
50) 2-Hexanone	8.17	43	6126	1.585	ug/L #	47
51) Dibromochloromethane	8.00	129	58903	8.953	ug/L #	9

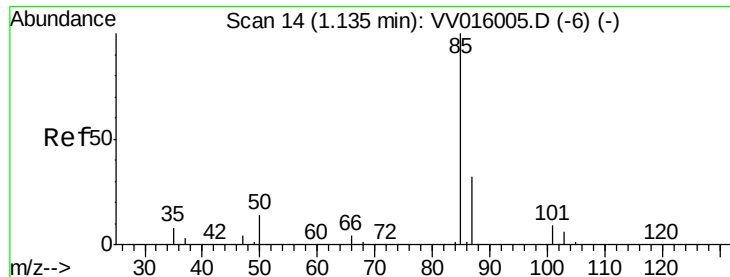
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.349 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016016.D

Acq: 12 May 2020 15:53

Instrument :

MSVOA_V

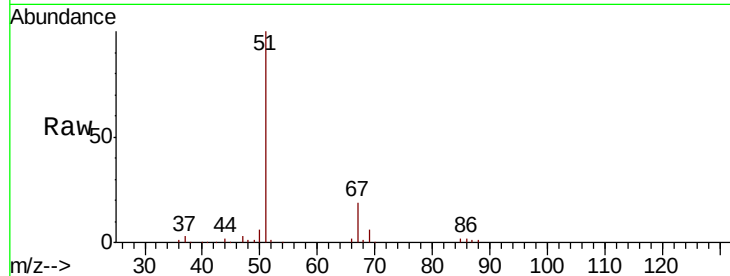
ClientSampleId :

Tot Ion: 85 Resp: 3669

Ion Ratio Lower Upper

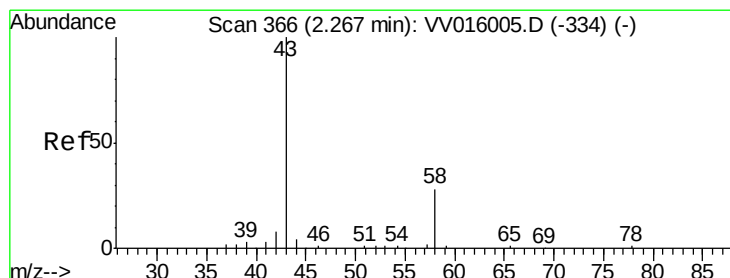
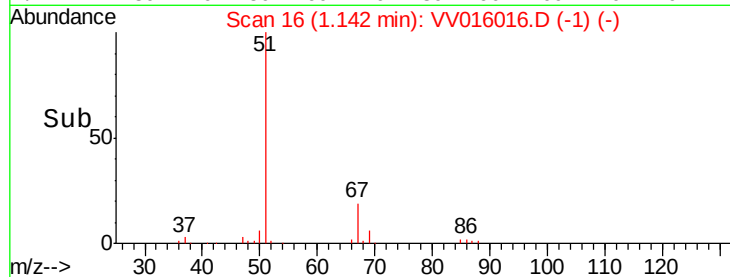
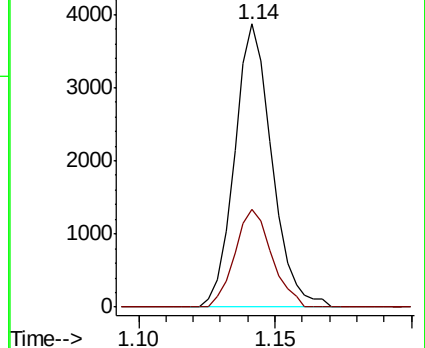
85 100

87 34.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#13

Acetone

Concen: 3.134 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.07 min

Lab File: VV016016.D

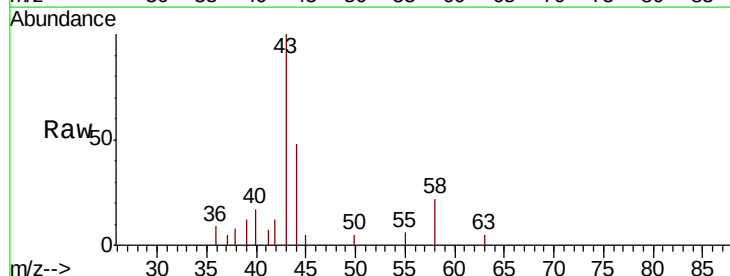
Acq: 12 May 2020 15:53

Tgt Ion: 43 Resp: 4394

Ion Ratio Lower Upper

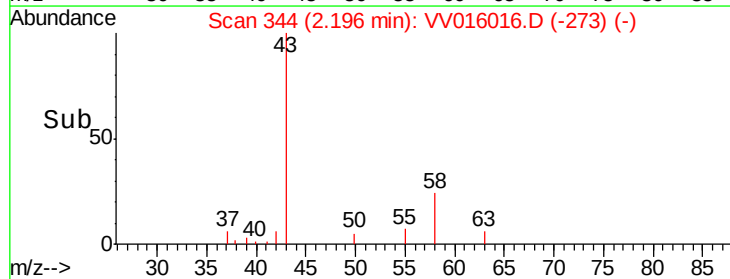
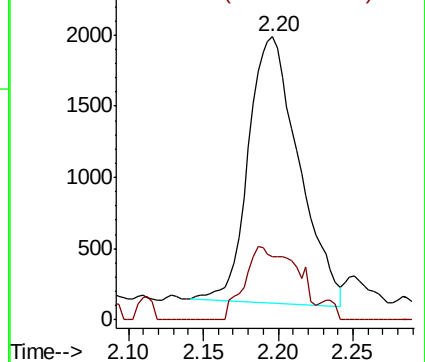
43 100

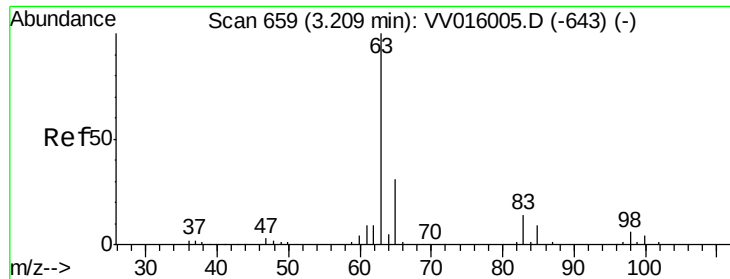
58 28.2 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

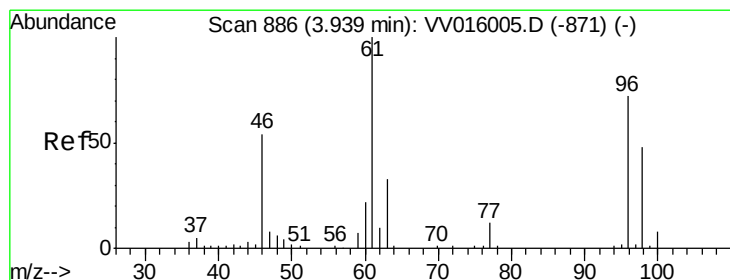
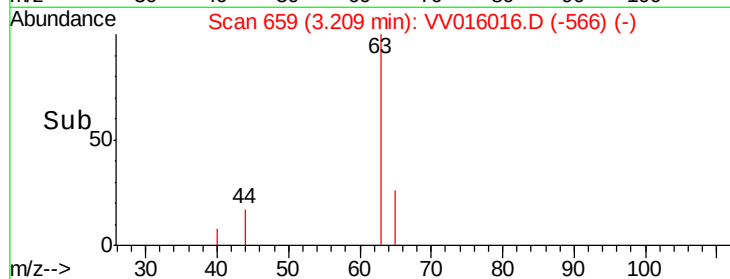
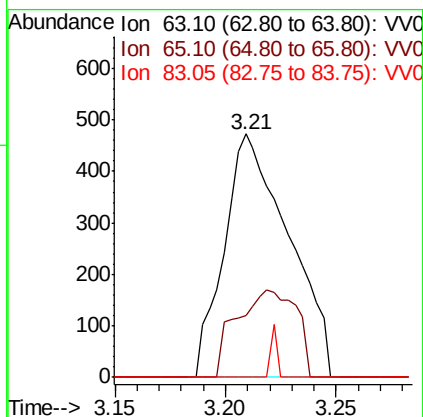
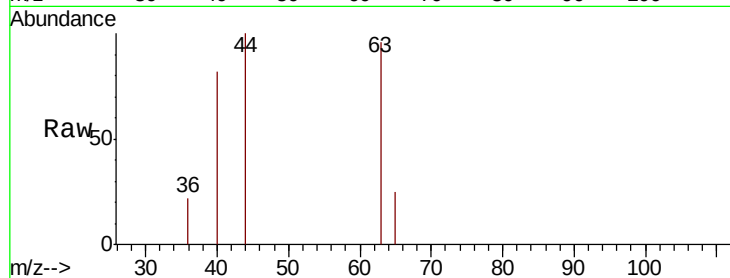




#19
 1,1-Dichloroethane
 Concen: 0.060 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016016.D
 Acq: 12 May 2020 15:53

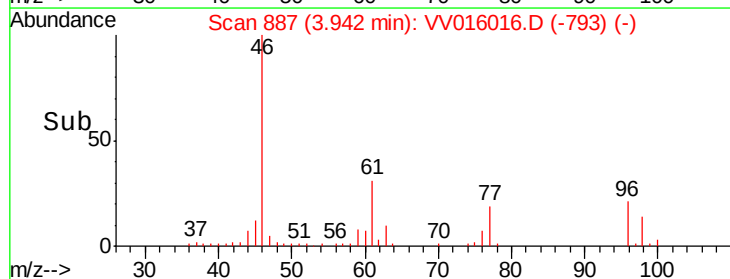
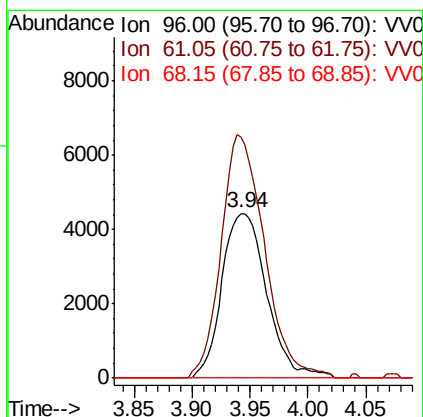
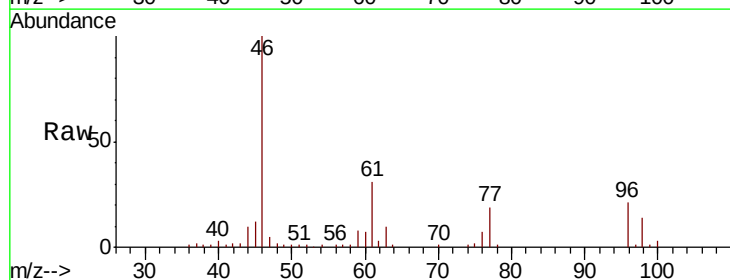
Instrument :
 MSVOA_V
 ClientSampleId :

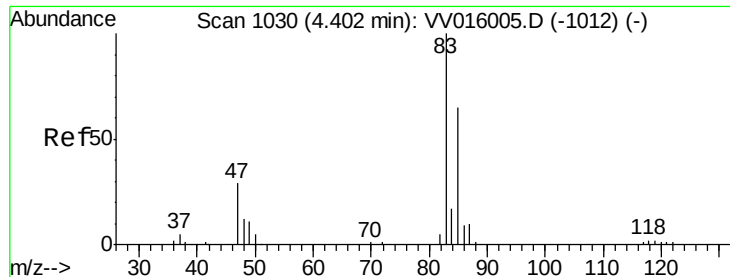
Tot Ion: 63 Resp: 960
 Ion Ratio Lower Upper
 63 100
 65 25.6 22.0 41.0
 83 0.0 9.8 18.2#



#22
 cis-1,2-Dichloroethene
 Concen: 1.361 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV016016.D
 Acq: 12 May 2020 15:53

Tgt Ion: 96 Resp: 11899
 Ion Ratio Lower Upper
 96 100
 61 146.7 97.2 180.6
 68 0.0 0.0 0.0

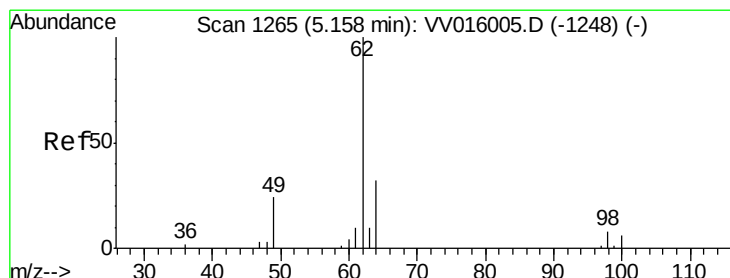
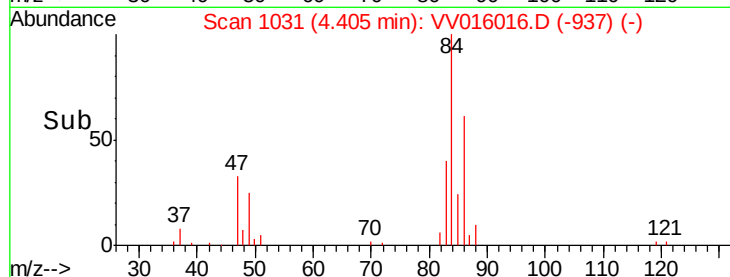
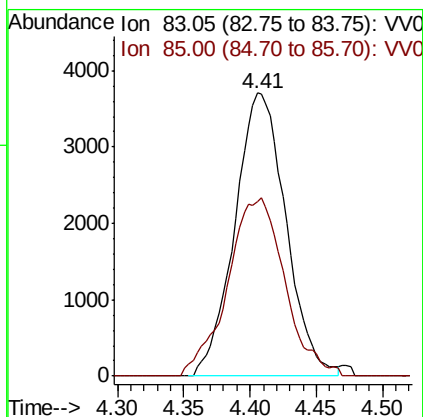
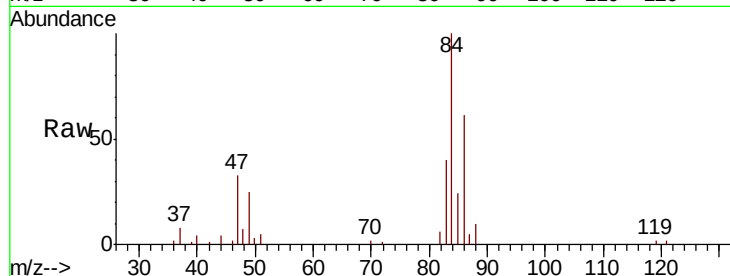




#25
Chloroform
Concen: 0.562 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016016.D
Acq: 12 May 2020 15:53

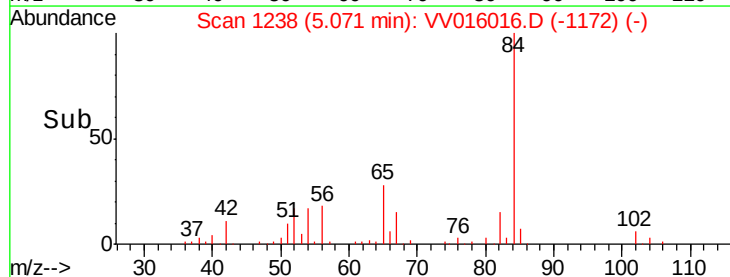
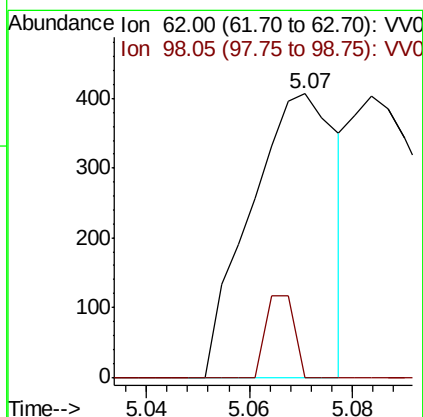
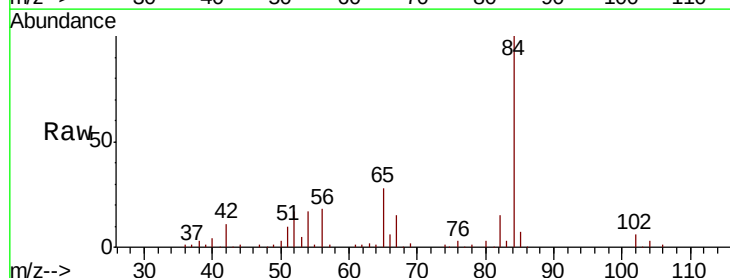
Instrument :
MSVOA_V
ClientSampleId :

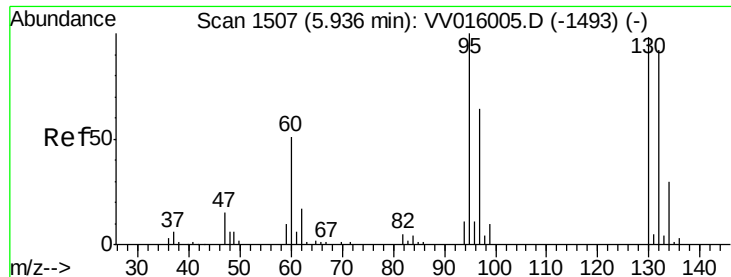
Tot Ion: 83 Resp: 9960
Ion Ratio Lower Upper
83 100
85 61.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.043 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.09 min
Lab File: VV016016.D
Acq: 12 May 2020 15:53

Tgt Ion: 62 Resp: 470
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 1.527 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016016.D

Acq: 12 May 2020 15:53

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 15037

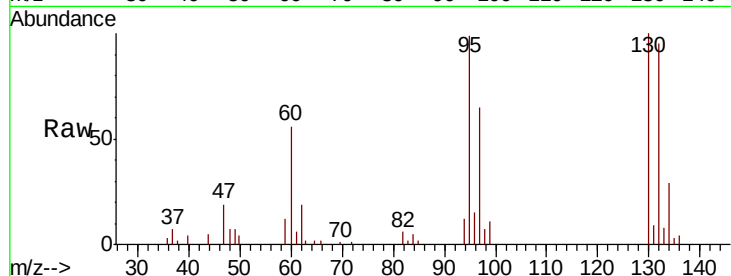
Ion Ratio Lower Upper

95 100

97 65.6 43.3 80.5

132 96.1 60.3 112.1

130 101.3 66.0 122.6

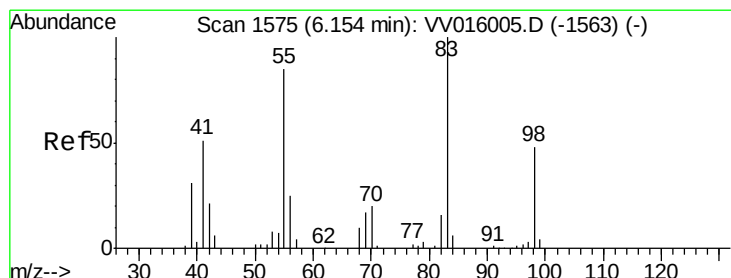
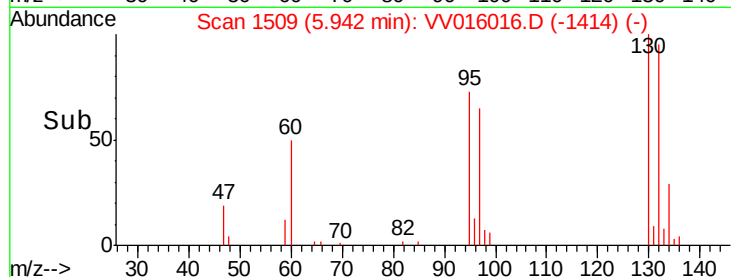
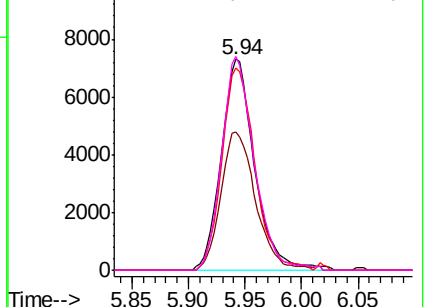


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.830 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016016.D

Acq: 12 May 2020 15:53

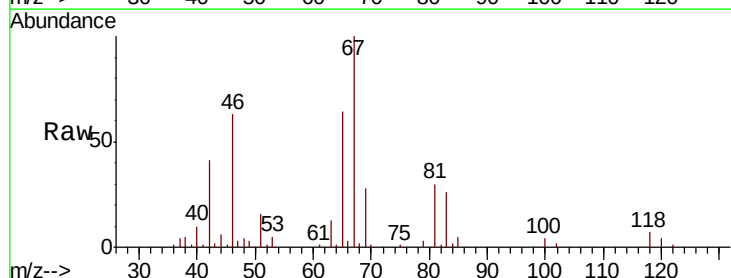
Tgt Ion: 83 Resp: 12363

Ion Ratio Lower Upper

83 100

55 0.2 66.2 99.2#

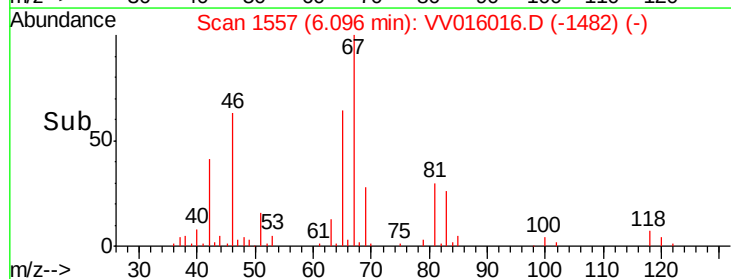
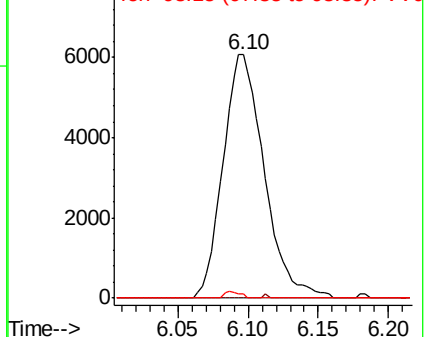
98 1.1 37.9 56.9#

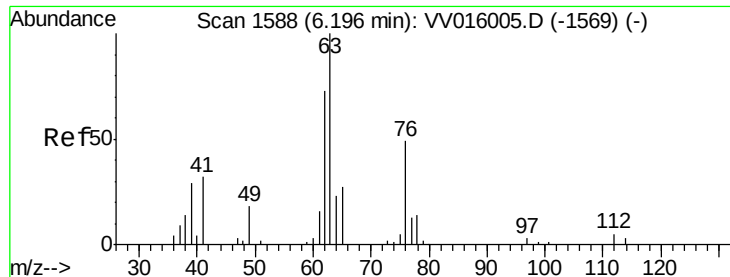


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

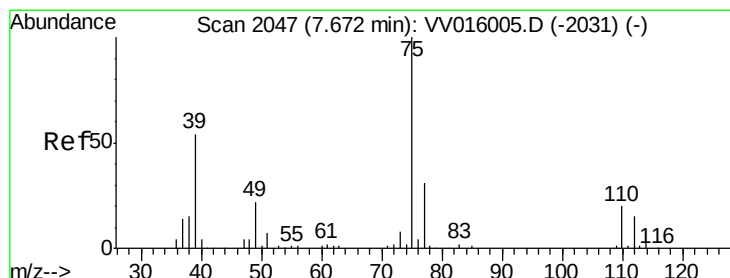
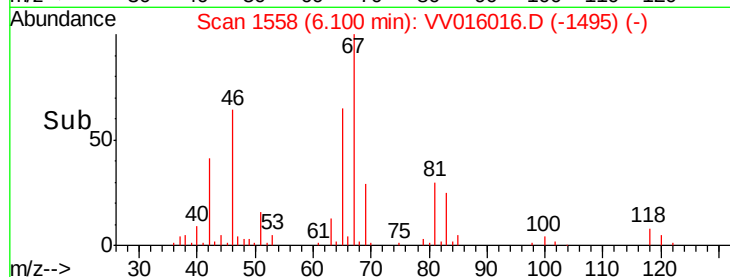
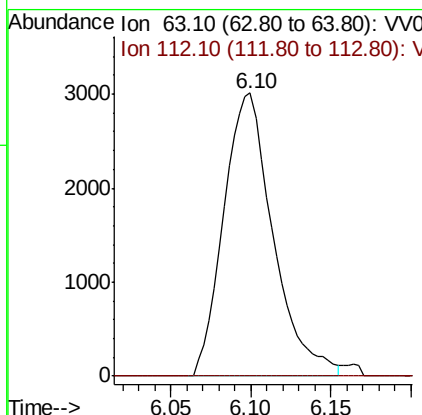
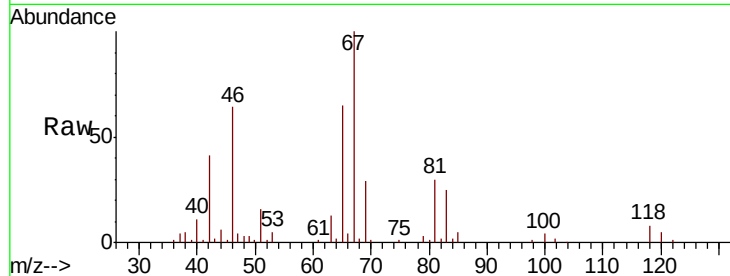




#37
 1,2-Dichloropropane
 Concen: 0.727 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016016.D
 Acq: 12 May 2020 15:53

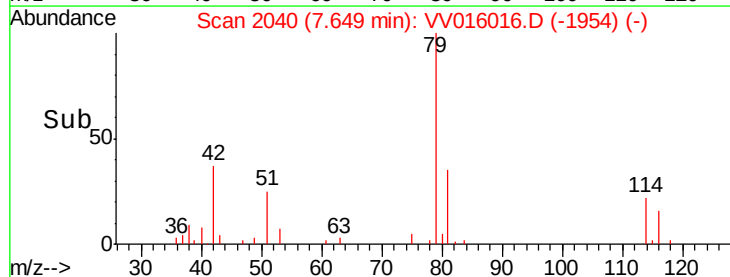
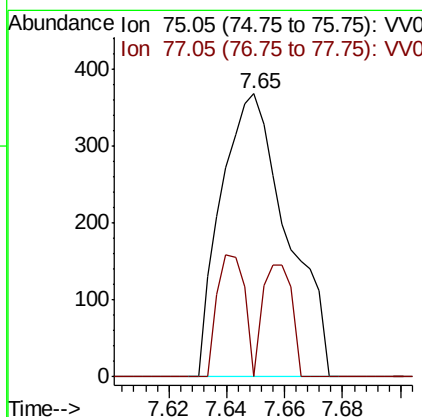
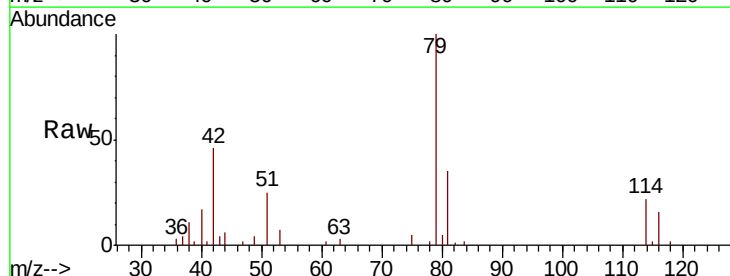
Instrument :
 MSVOA_V
 ClientSampleId :

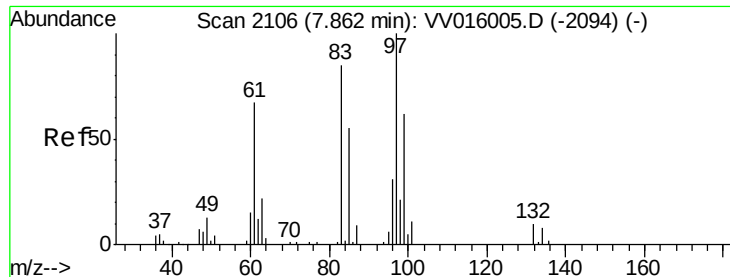
Tot Ion: 63 Resp: 6375
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#46
 trans-1,3-Dichloropropene
 Concen: 0.055 ug/L
 RT: 7.65 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VV016016.D
 Acq: 12 May 2020 15:53

Tgt Ion: 75 Resp: 580
 Ion Ratio Lower Upper
 75 100
 77 0.0 21.3 39.6#





#47

1,1,2-Trichloroethane

Concen: 0.110 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.14 min

Lab File: VV016016.D

Acq: 12 May 2020 15:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 642

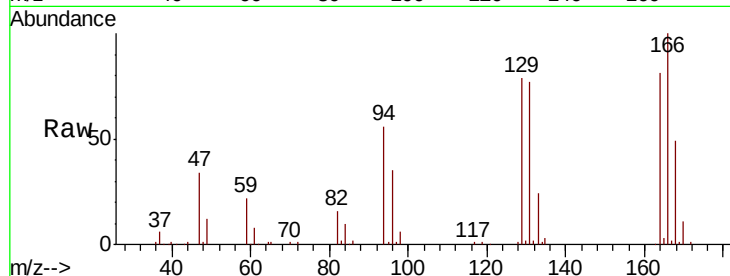
Ion Ratio Lower Upper

97 100

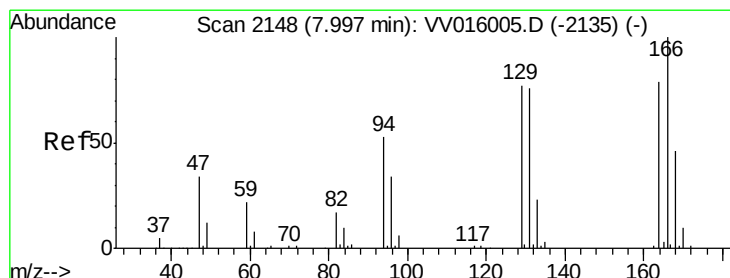
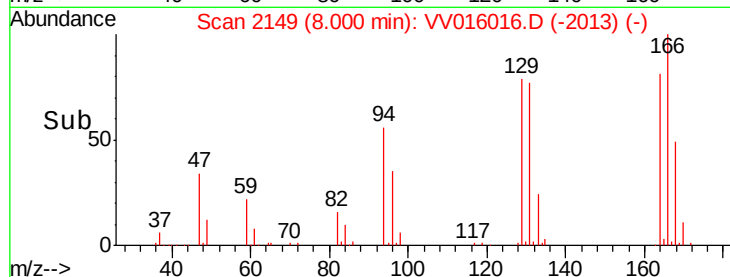
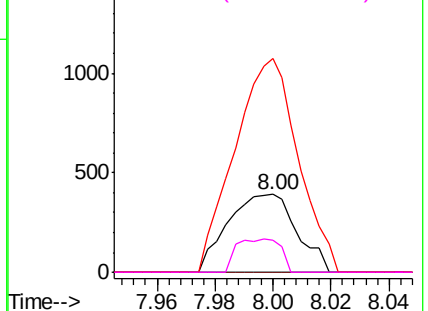
99 0.0 42.1 78.1#

83 273.7 59.2 110.0#

85 40.6 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: 8.656 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016016.D

Acq: 12 May 2020 15:53

Tgt Ion: 164 Resp: 59487

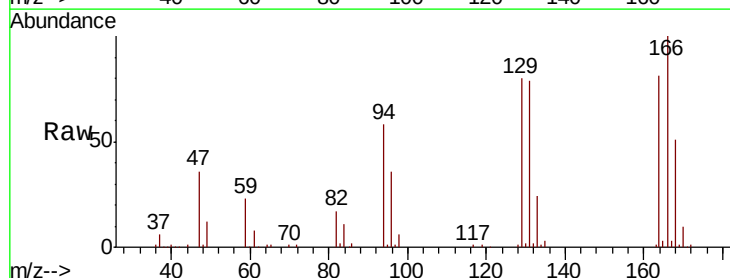
Ion Ratio Lower Upper

164 100

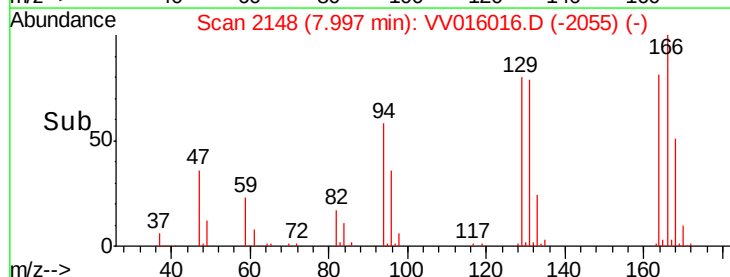
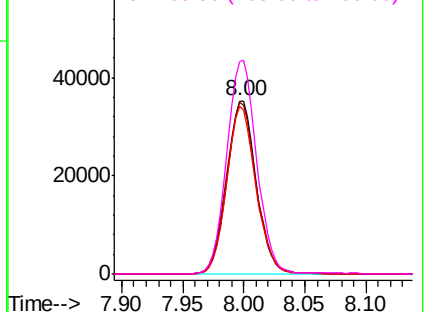
129 98.9 69.7 129.4

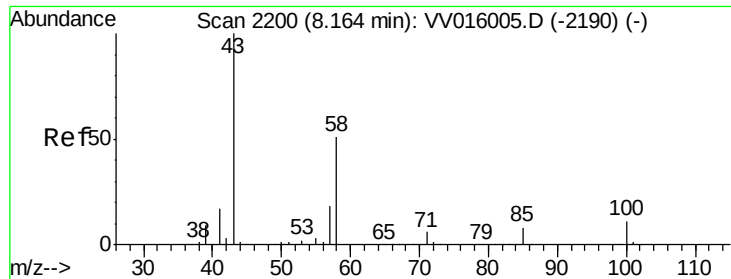
131 97.0 66.8 124.2

166 123.0 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

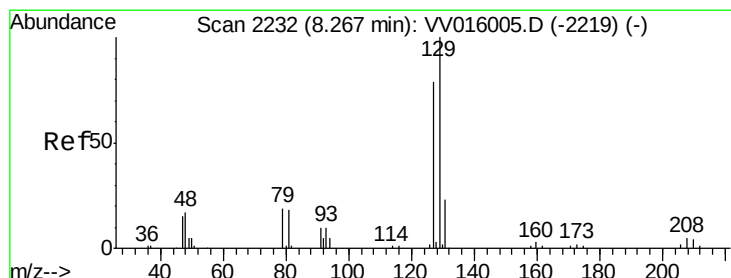
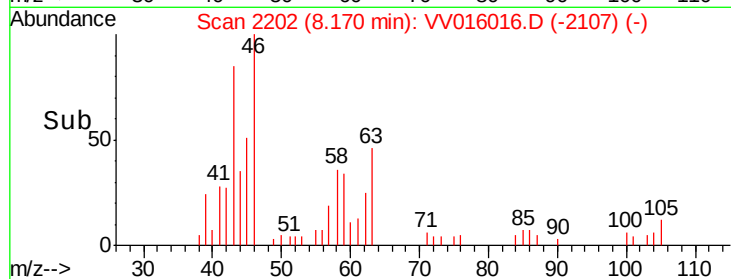
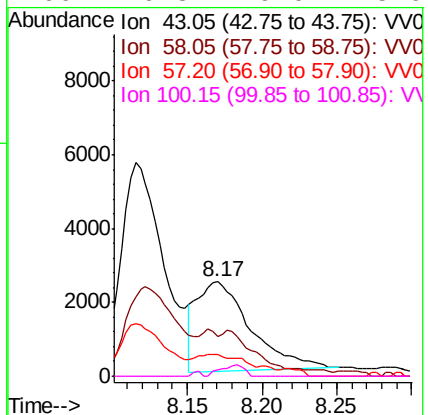
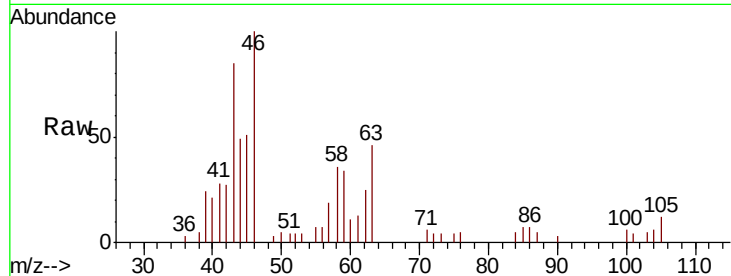




#50
2-Hexanone
Concen: 1.585 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016016.D
Acq: 12 May 2020 15:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6126
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 24.8 14.7 22.1#
100 0.8 9.0 13.6#



#51
Dibromochloromethane
Concen: 8.953 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016016.D
Acq: 12 May 2020 15:53

Tgt Ion: 129 Resp: 58903
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

