

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015727.D
 Acq On : 27 Apr 2020 14:25
 Operator : SY/MD
 Sample : L2370-14DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:19:59 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	122147	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	117274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54636	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26048	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	29728	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	45633	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.91	46	109146	53.25	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.50%
24) Chloroform-d	4.38	84	71738	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.06	65	44413	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.08	84	142750	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.09	67	46577	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	126814	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.65	79	14760	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.11	63	79093	46.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33358	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	51221	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

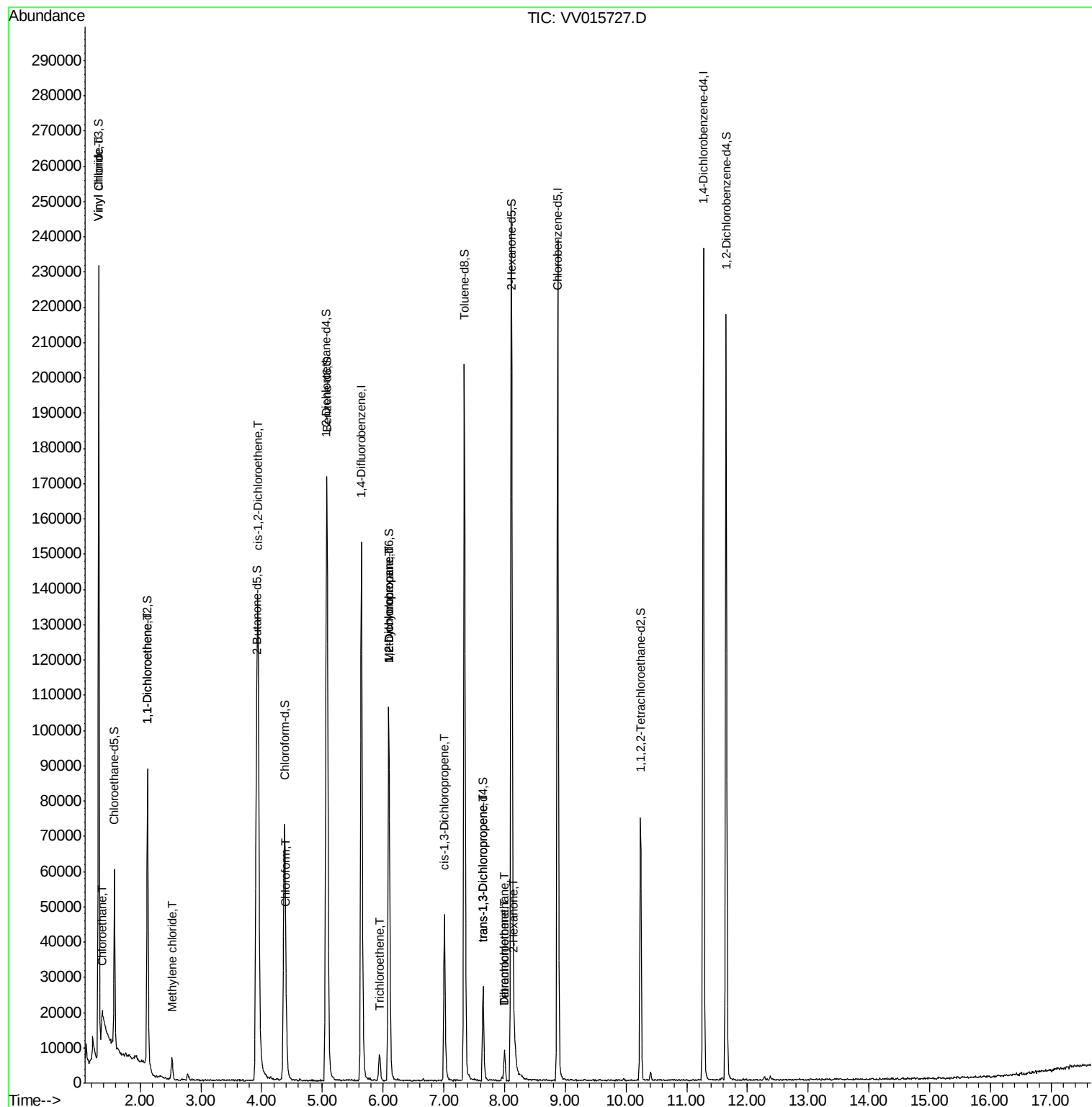
					Ovalue
5) Vinyl chloride	1.32	62	111746	11.560	ug/L 100
8) Chloroethane	1.38	64	21304	3.356	ug/L # 52
12) 1,1-Dichloroethene	2.13	96	544	0.077	ug/L # 1
16) Methylene chloride	2.52	84	2281	0.260	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	58330	6.628	ug/L 98
25) Chloroform	4.41	83	6813	0.411	ug/L 100
34) Trichloroethene	5.95	95	2159	0.233	ug/L # 92
35) Methylcyclohexane	6.09	83	11892	0.837	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	5817	0.683	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1377	0.116	ug/L # 83
44) trans-1,3-Dichloropropene	7.64	75	801	0.080	ug/L 85
47) Tetrachloroethene	8.00	164	1811	0.272	ug/L 96
48) 2-Hexanone	8.16	43	4483	1.137	ug/L # 52
49) Dibromochloromethane	8.00	129	1689	0.281	ug/L # 12

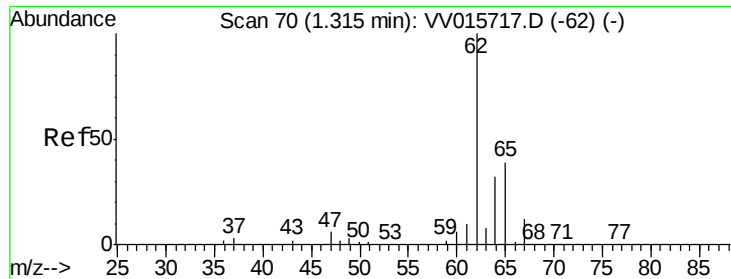
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 11.560 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

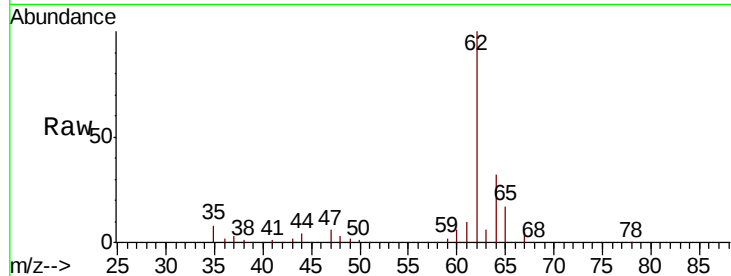
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 111746

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

120000

100000

80000

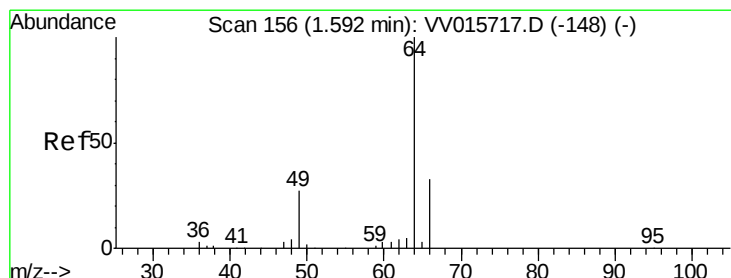
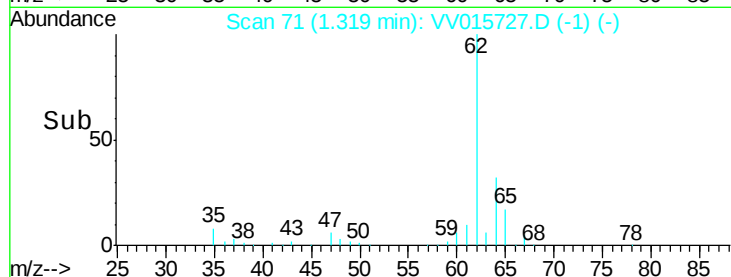
60000

40000

20000

0

Time-->



#8

Chloroethane

Concen: 3.356 ug/L

RT: 1.38 min Scan# 89

Delta R.T. -0.22 min

Lab File: VV015727.D

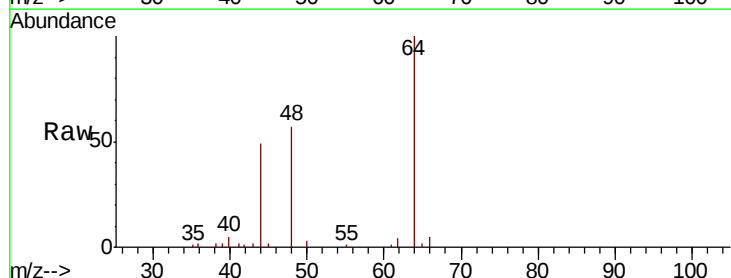
Acq: 27 Apr 2020 14:25

Tgt Ion: 64 Resp: 21304

Ion Ratio Lower Upper

64 100

66 5.1 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

40000

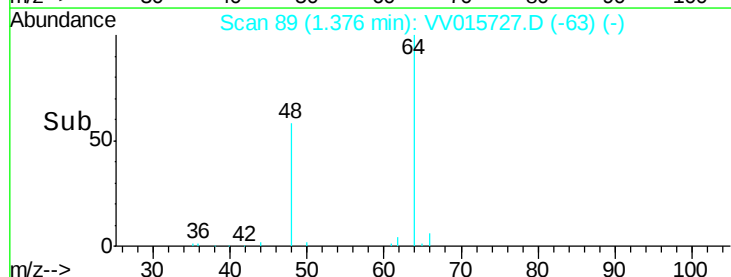
30000

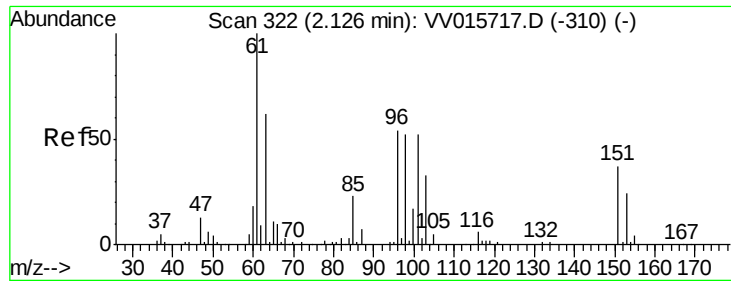
20000

10000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

Instrument :

MSVOA_V

ClientSampleId :

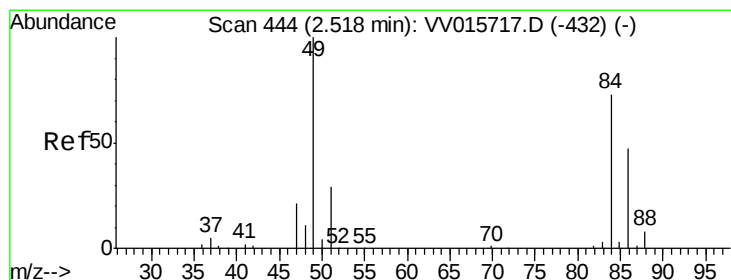
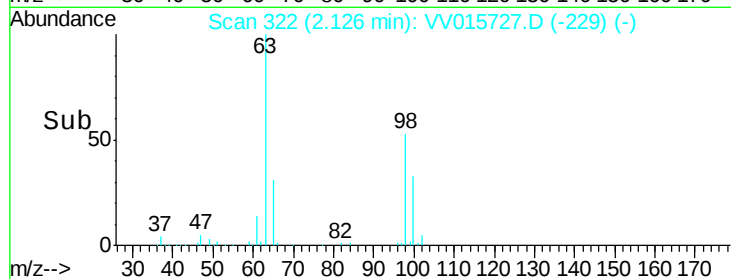
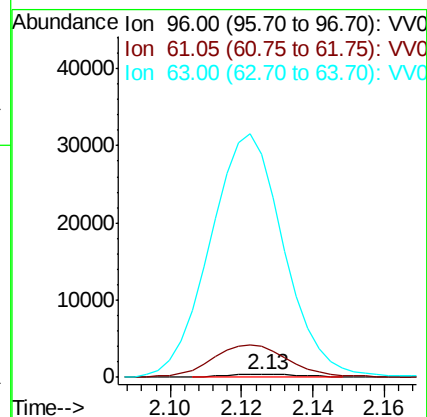
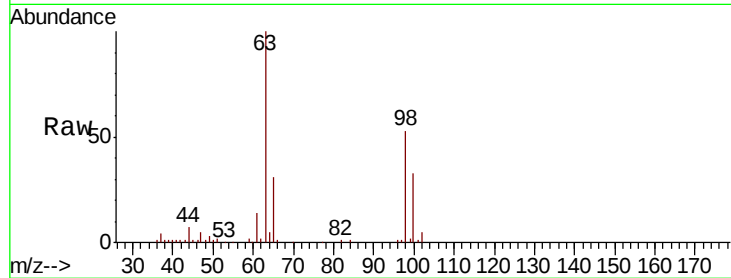
Tot Ion: 96 Resp: 544

Ion Ratio Lower Upper

96 100

61 1067.9 130.1 241.7#

63 7629.5 91.4 169.8#



#16

Methylene chloride

Concen: 0.260 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.01 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

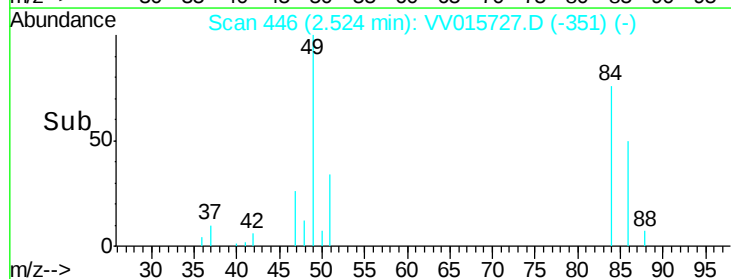
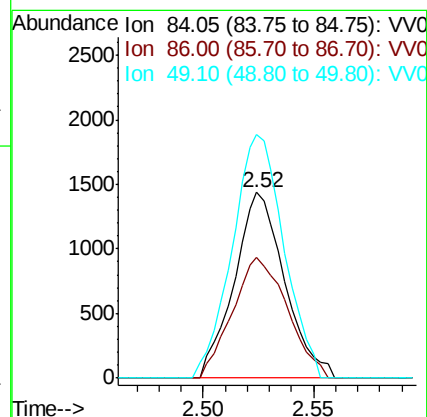
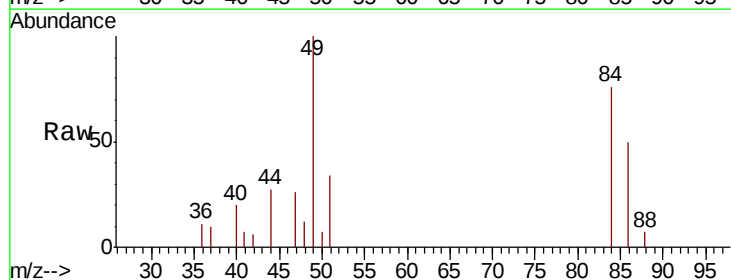
Tgt Ion: 84 Resp: 2281

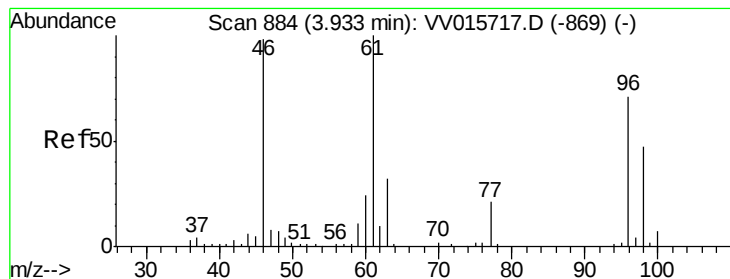
Ion Ratio Lower Upper

84 100

86 65.0 45.1 83.7

49 131.0 94.4 175.4



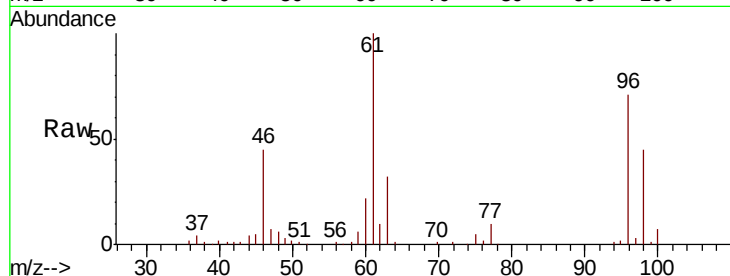


#22

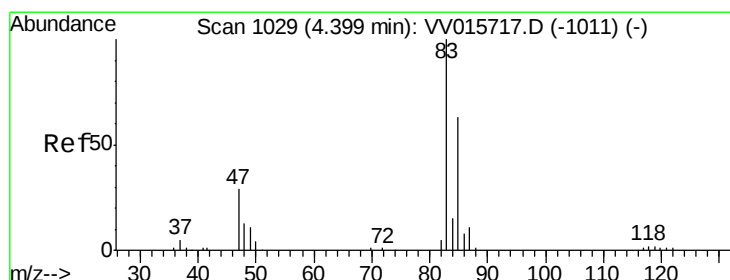
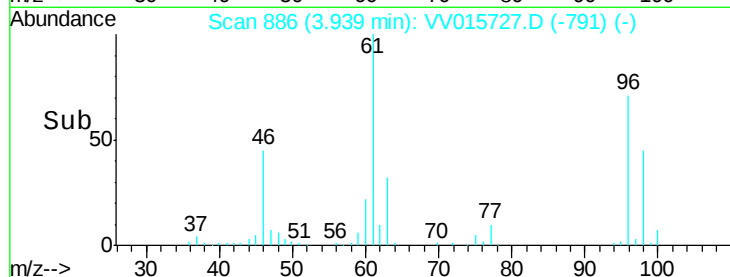
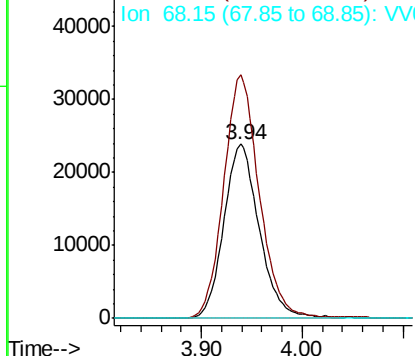
cis-1,2-Dichloroethene
Concen: 6.628 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV015727.D
Acq: 27 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 58330
Ion Ratio Lower Upper
96 100
61 140.0 96.4 179.0
68 0.0 0.0 0.0



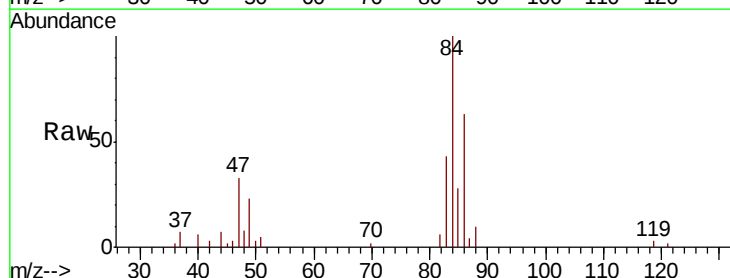
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



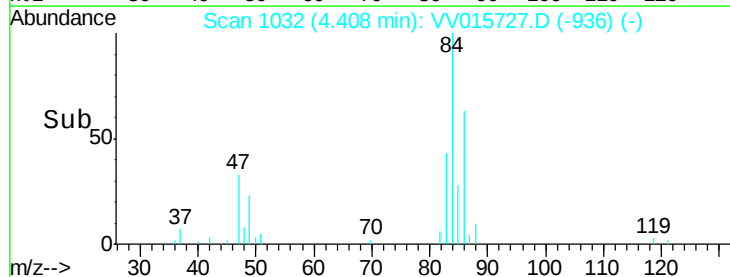
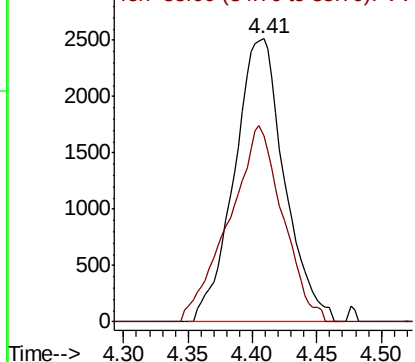
#25

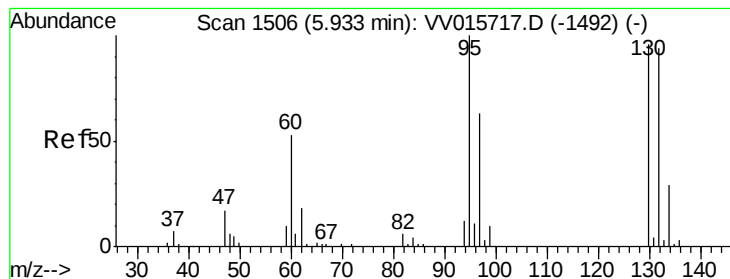
Chloroform
Concen: 0.411 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015727.D
Acq: 27 Apr 2020 14:25

Tgt Ion: 83 Resp: 6813
Ion Ratio Lower Upper
83 100
85 65.9 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: 0.233 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 2159

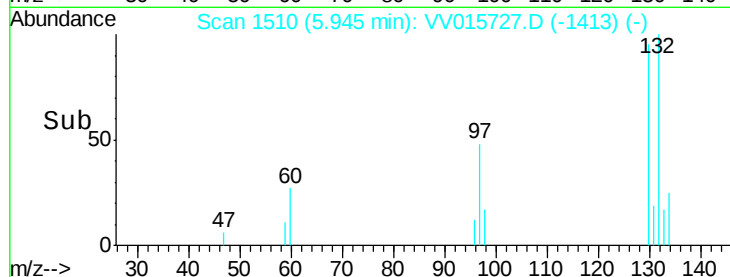
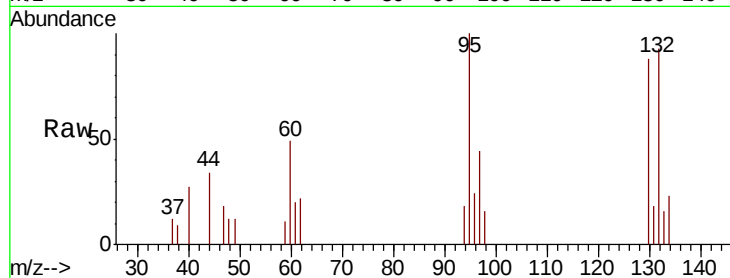
Ion Ratio Lower Upper

95 100

97 44.3 44.7 82.9#

132 93.0 65.2 121.0

130 87.9 65.0 120.6

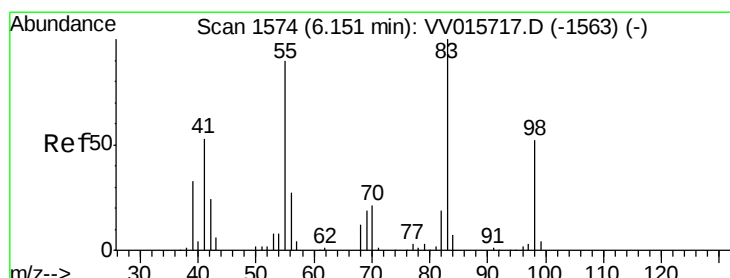
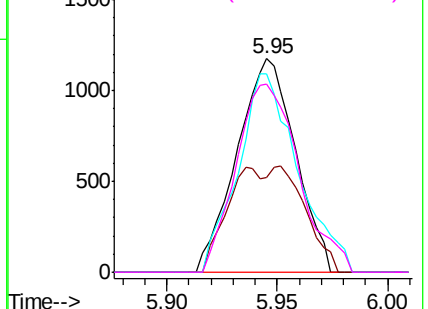


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.837 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

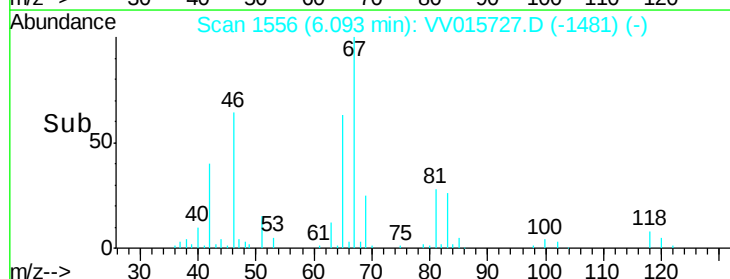
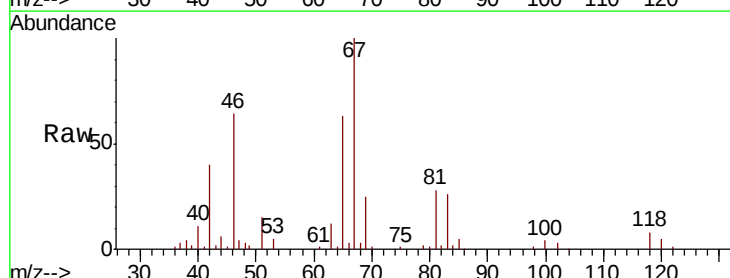
Tgt Ion: 83 Resp: 11892

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

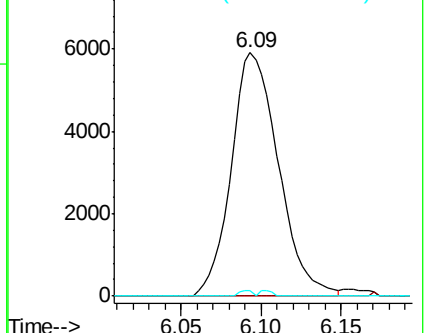
98 0.6 39.5 59.3#

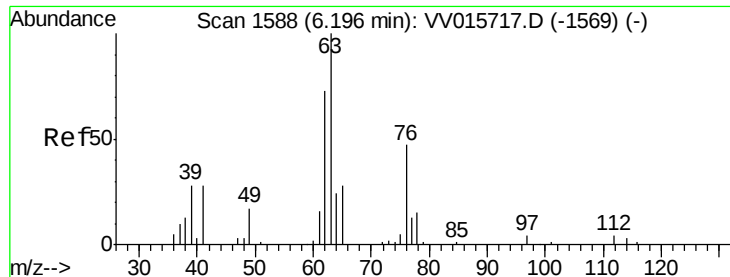


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

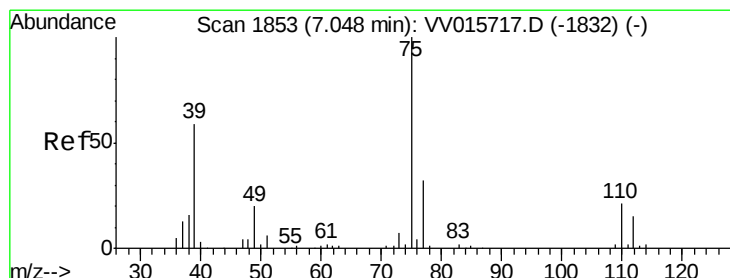
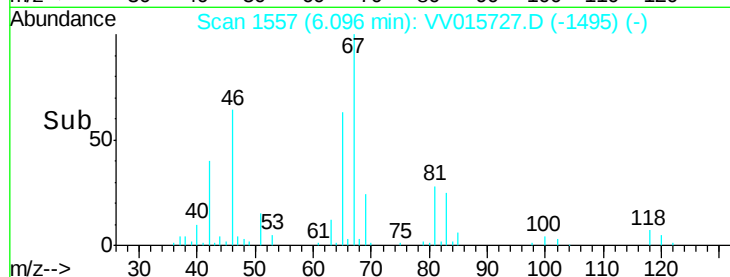
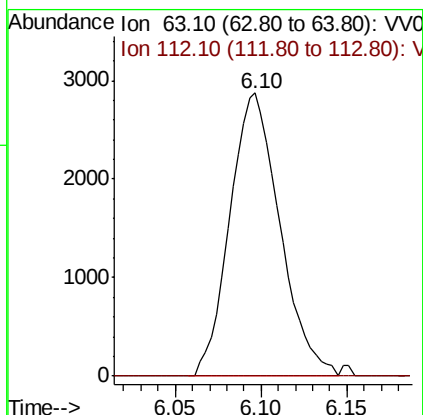
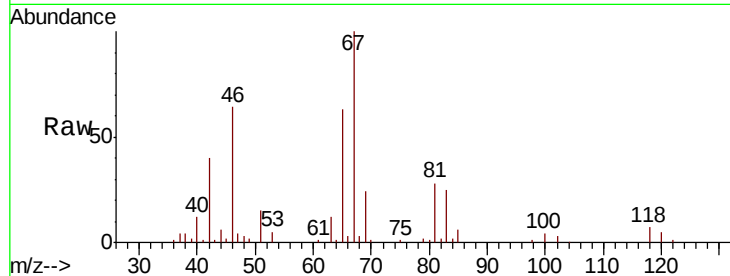




#37
 1,2-Dichloropropane
 Concen: 0.683 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015727.D
 Acq: 27 Apr 2020 14:25

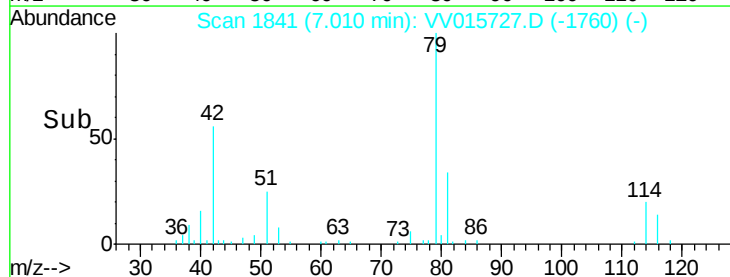
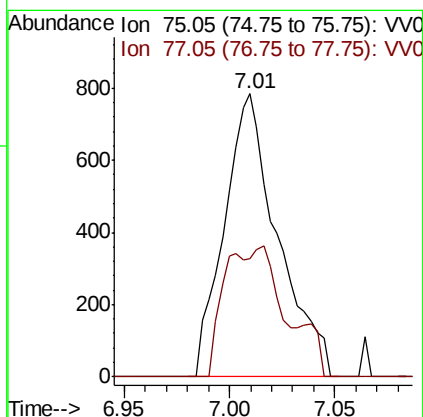
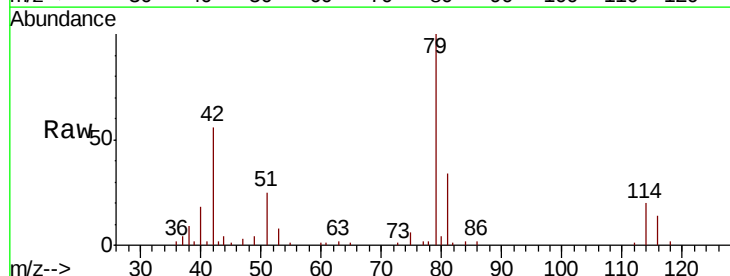
Instrument :
 MSVOA_V
 ClientSampleId :

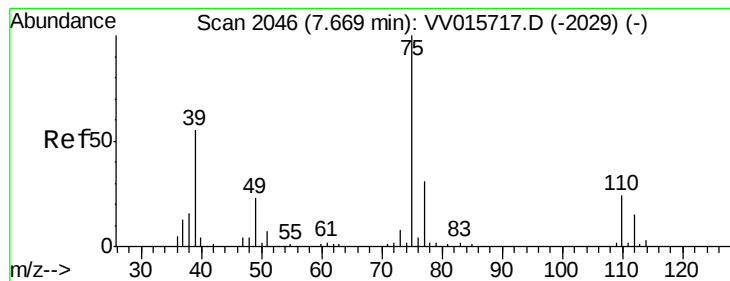
Tot Ion: 63 Resp: 5817
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015727.D
 Acq: 27 Apr 2020 14:25

Tgt Ion: 75 Resp: 1377
 Ion Ratio Lower Upper
 75 100
 77 41.6 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

Instrument :

MSVOA_V

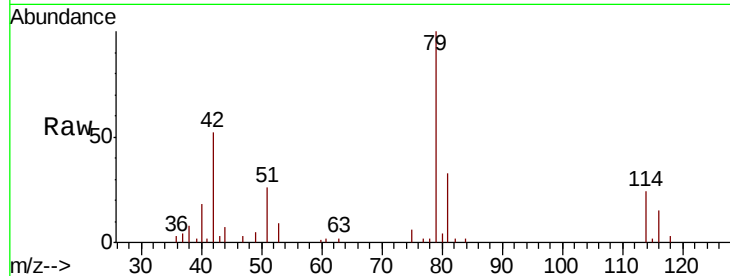
ClientSampled :

Tot Ion: 75 Resp: 801

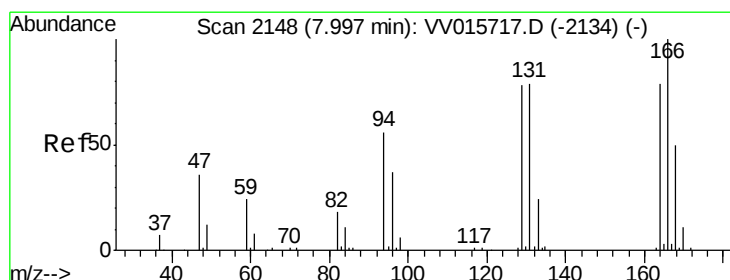
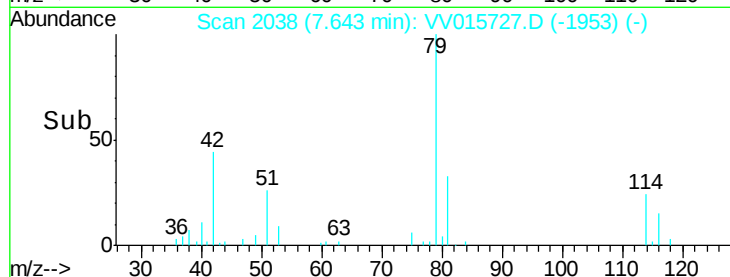
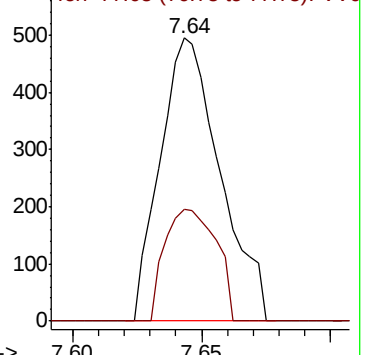
Ion Ratio Lower Upper

75 100

77 39.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015727.D (-1953) (-)



#47

Tetrachloroethene

Concen: 0.272 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015727.D

Acq: 27 Apr 2020 14:25

Tgt Ion:164 Resp: 1811

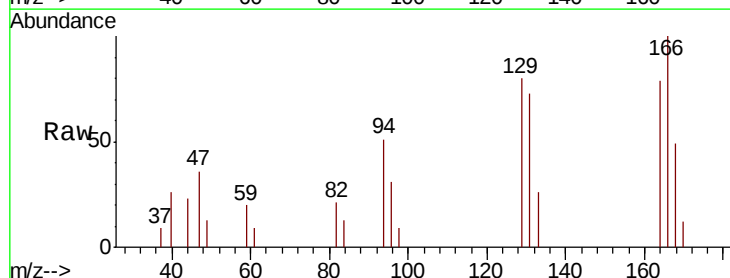
Ion Ratio Lower Upper

164 100

129 101.1 66.7 123.9

131 92.3 66.6 123.6

166 126.0 85.3 158.5



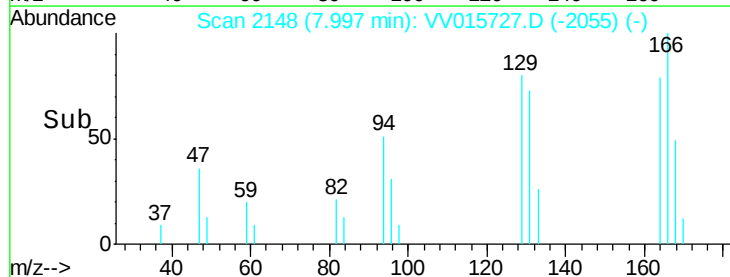
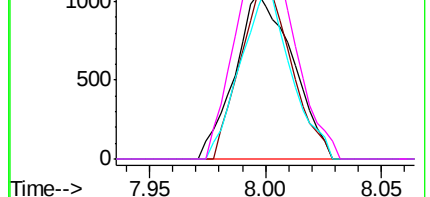
Abundance Ion 163.90 (163.60 to 164.60): VV015727.D (-2055) (-)

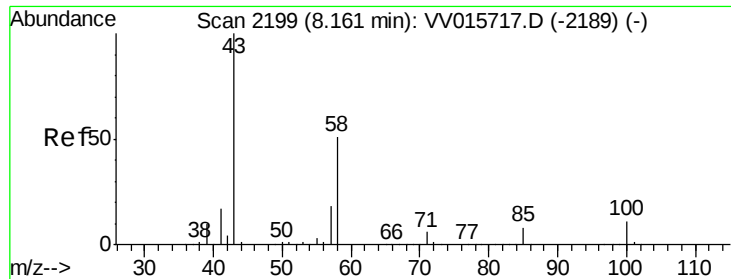
Ion 128.95 (128.65 to 129.65): VV015727.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015727.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015727.D (-2055) (-)

8.00

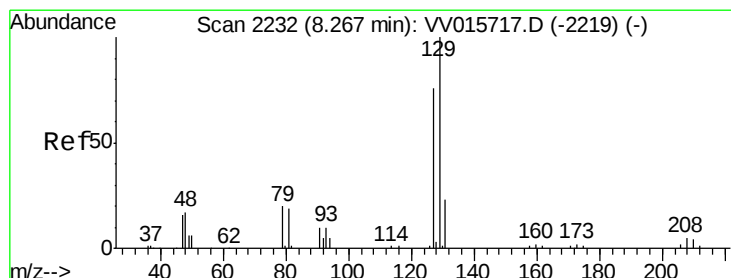
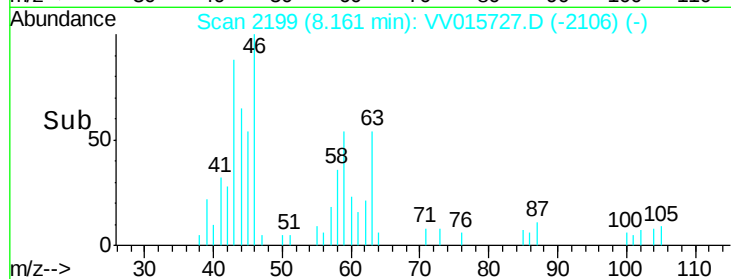
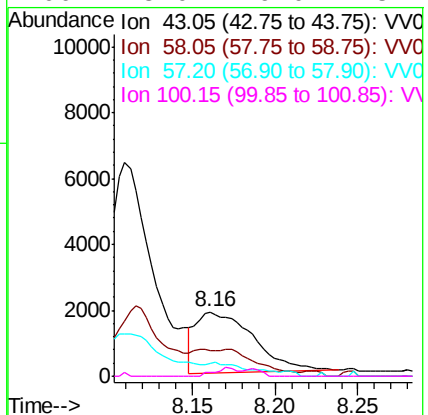
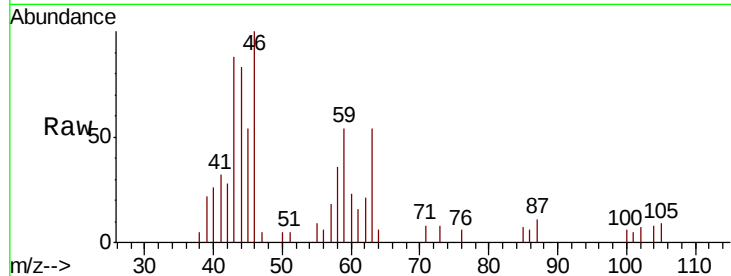




#48
2-Hexanone
Concen: 1.137 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015727.D
Acq: 27 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4483
Ion Ratio Lower Upper
43 100
58 2.9 41.1 61.7#
57 15.5 15.0 22.4
100 5.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.281 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015727.D
Acq: 27 Apr 2020 14:25

Tgt Ion: 129 Resp: 1689
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

