

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016037.D
 Acq On : 13 May 2020 13:49
 Operator : SY/MD
 Sample : L2542-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:28:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	152889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	152328	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68657	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47369	5.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.20%
7) Chloroethane-d5	1.58	69	44075	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.13	63	70285	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.94	46	116731	49.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.38	84	94857	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.06	65	52446	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.08	84	183510	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.10	67	56413	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	161076	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
45) trans-1,3-Dichloropropene-	7.65	79	17486	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
48) 2-Hexanone-d5	8.12	63	87648	45.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39263	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	56572	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

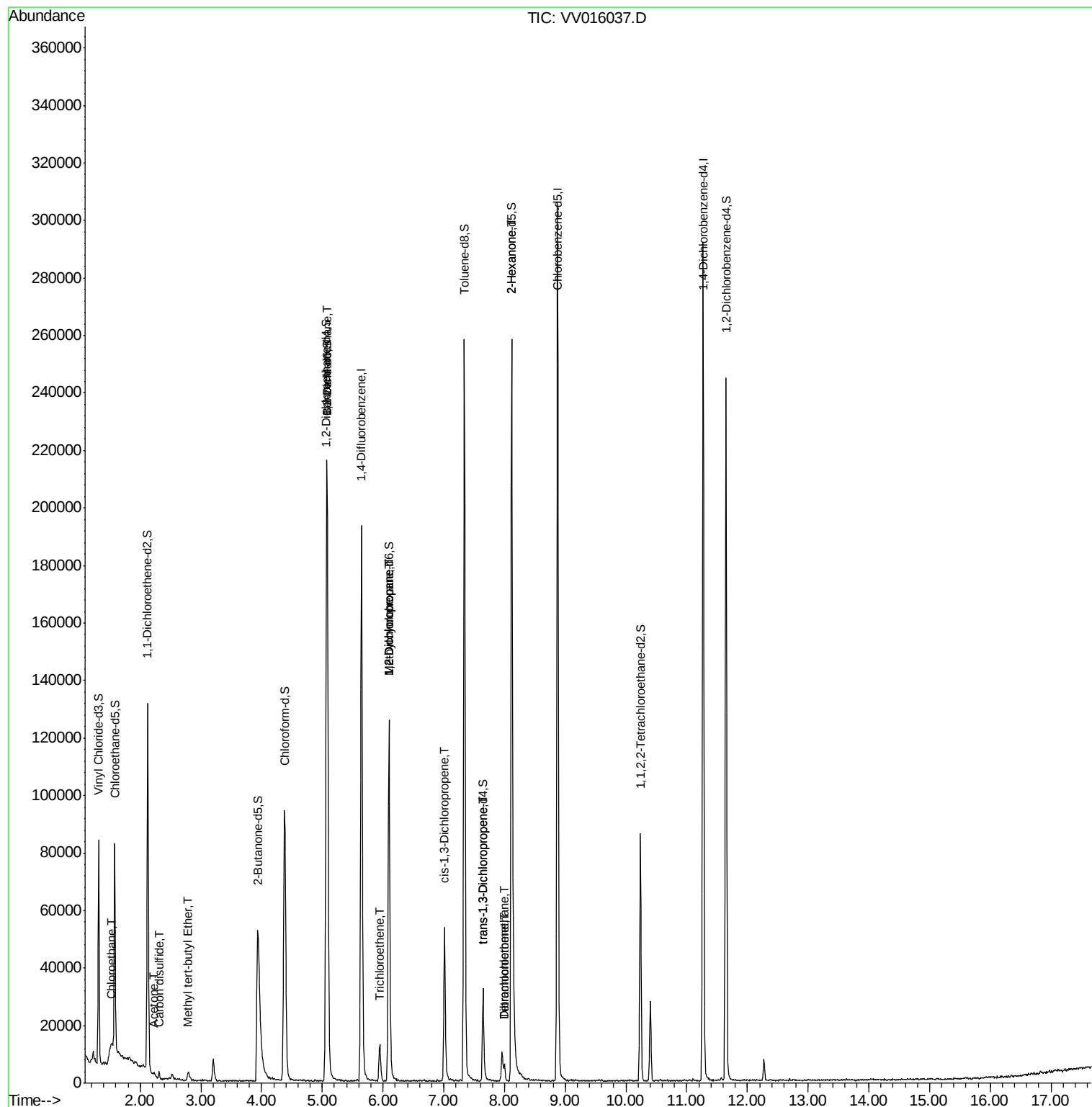
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.52	64	13638	1.688	ug/L #	50
13) Acetone	2.23	43	2004	1.284	ug/L	71
14) Carbon disulfide	2.31	76	2802	0.101	ug/L #	74
17) Methyl tert-butyl Ether	2.79	73	2811	0.129	ug/L #	85
27) 1,2-Dichloroethane	5.08	62	1306	0.108	ug/L #	76
34) Trichloroethene	5.94	95	4497	0.411	ug/L	94
35) Methylcyclohexane	6.09	83	13903	0.840	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6885	0.707	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1625	0.118	ug/L	84
46) trans-1,3-Dichloropropene	7.65	75	961	0.083	ug/L	87
49) Tetrachloroethene	8.00	164	1370	0.179	ug/L #	67
50) 2-Hexanone	8.12	43	14793	3.447	ug/L #	79
51) Dibromochloromethane	8.00	129	1038	0.142	ug/L #	9

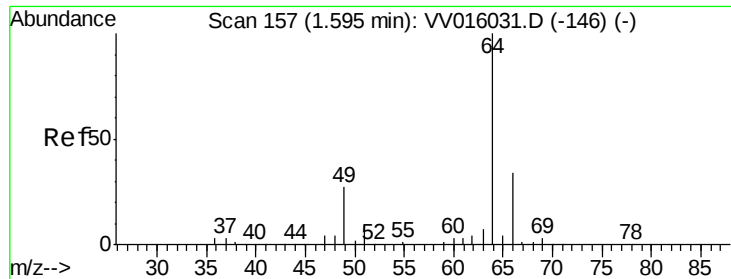
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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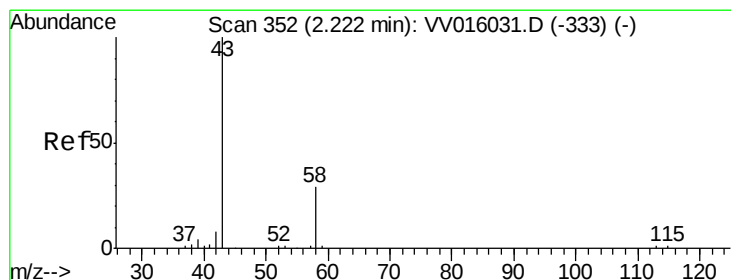
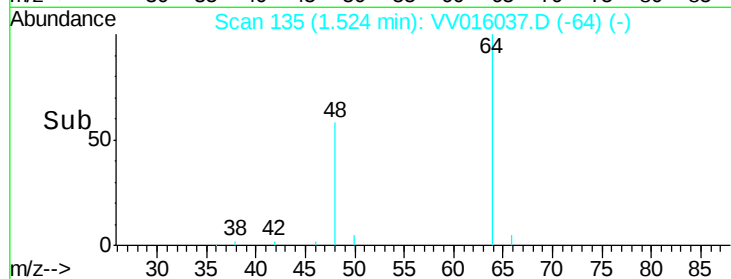
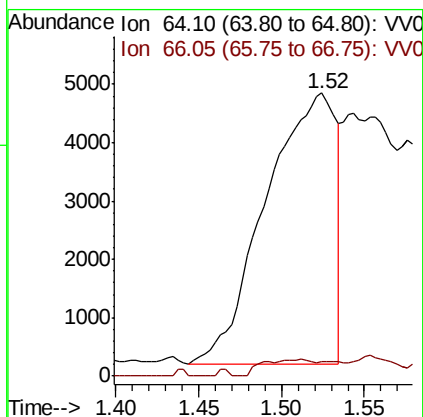
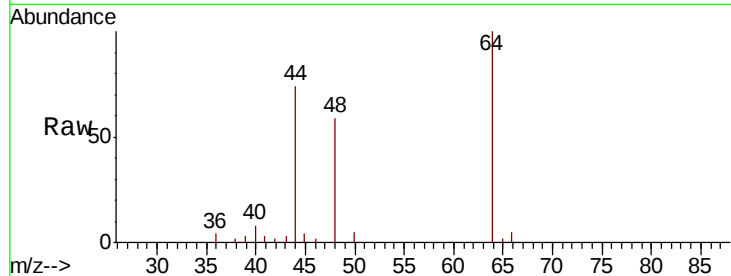




#8
 Chloroethane
 Concen: 1.688 ug/L
 RT: 1.52 min Scan# 135
 Delta R.T. -0.07 min
 Lab File: VV016037.D
 Acq: 13 May 2020 13:49

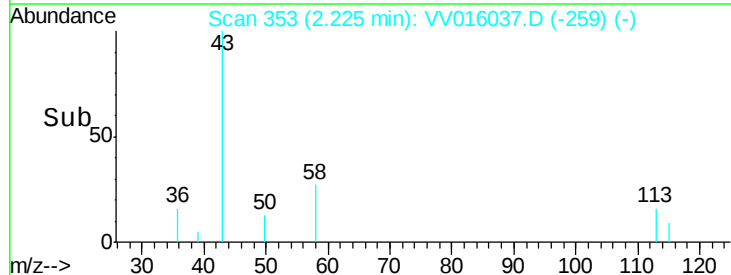
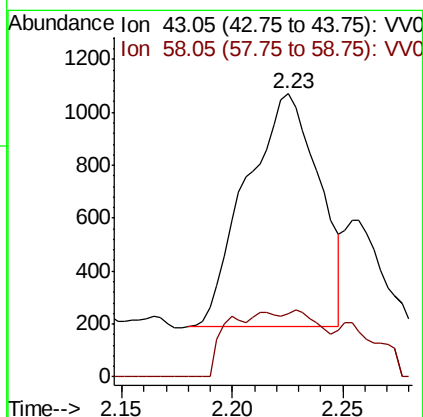
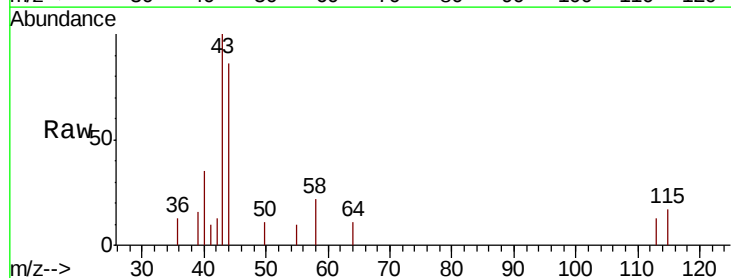
Instrument :
 MSVOA_V
 ClientSampled :

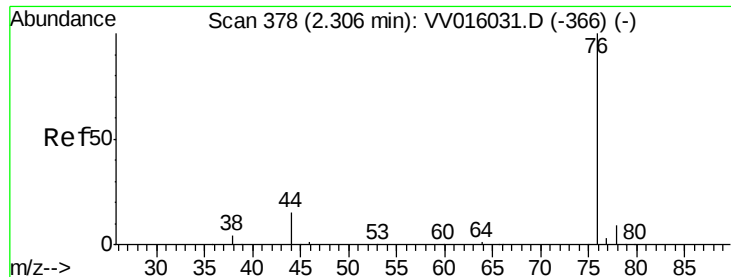
Tot Ion: 64 Resp: 13638
 Ion Ratio Lower Upper
 64 100
 66 4.9 23.6 43.8#



#13
 Acetone
 Concen: 1.284 ug/L
 RT: 2.23 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VV016037.D
 Acq: 13 May 2020 13:49

Tgt Ion: 43 Resp: 2004
 Ion Ratio Lower Upper
 43 100
 58 3.4 0.0 30.8





#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Instrument :

MSVOA_V

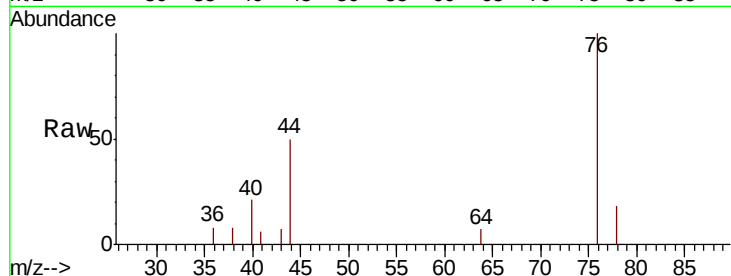
ClientSampled :

Tot Ion: 76 Resp: 2802

Ion Ratio Lower Upper

76 100

78 18.3 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

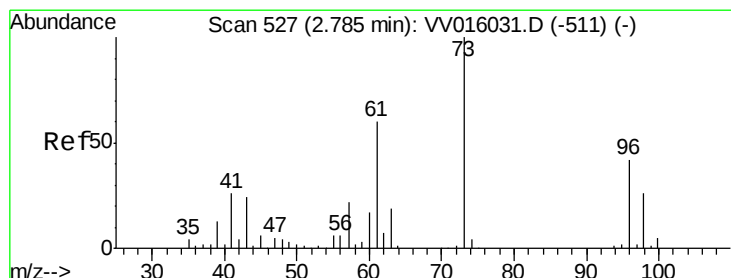
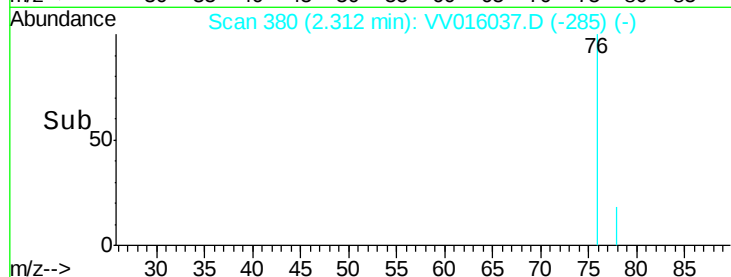
1500

1000

500

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.129 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

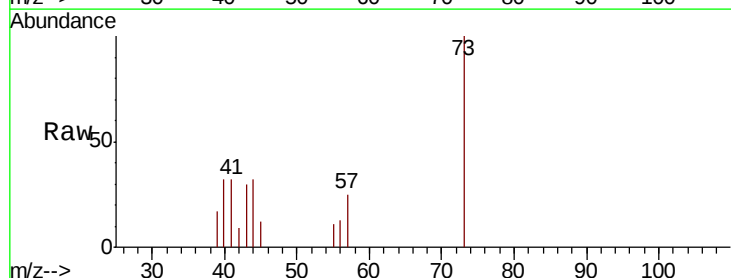
Tgt Ion: 73 Resp: 2811

Ion Ratio Lower Upper

73 100

43 34.2 18.8 28.2#

57 25.6 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.79

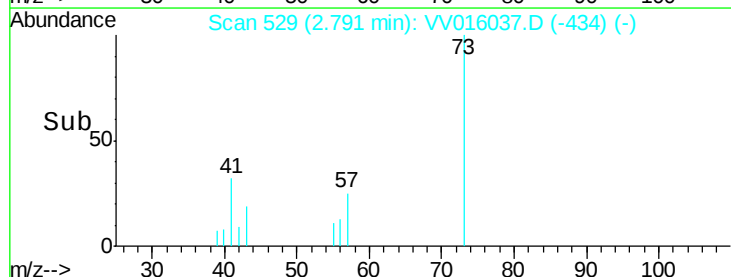
1500

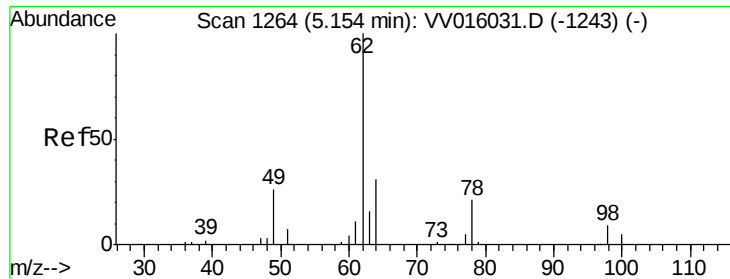
1000

500

0

Time-->





#27

1,2-Dichloroethane

Concen: 0.108 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Instrument :

MSVOA_V

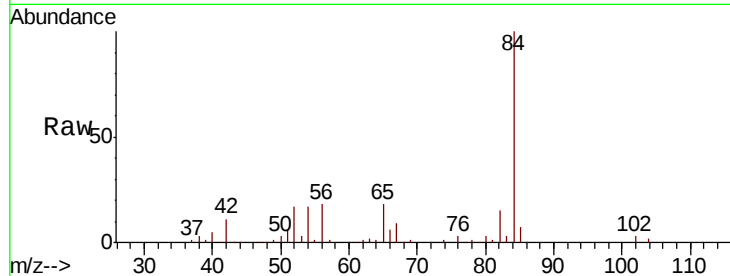
ClientSampleId :

Tot Ion: 62 Resp: 1306

Ion Ratio Lower Upper

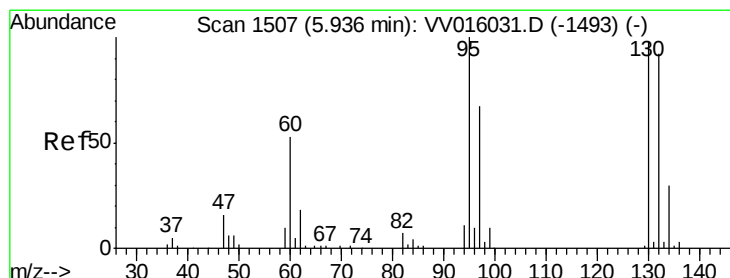
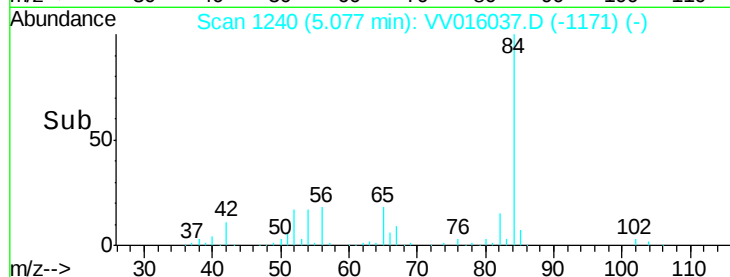
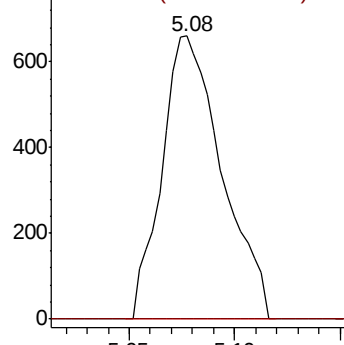
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#34

Trichloroethene

Concen: 0.411 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Tgt Ion: 95 Resp: 4497

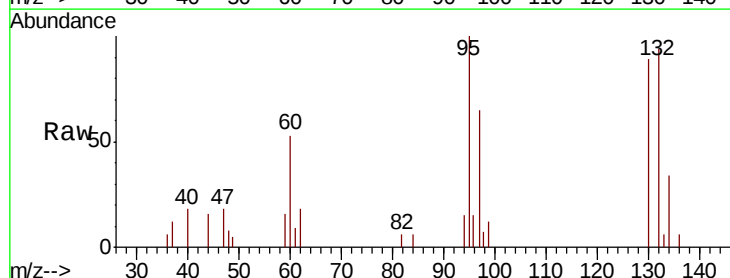
Ion Ratio Lower Upper

95 100

97 65.0 43.3 80.5

132 94.4 60.3 112.1

130 89.0 66.0 122.6

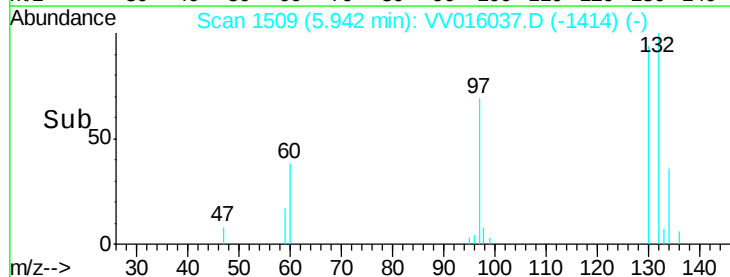
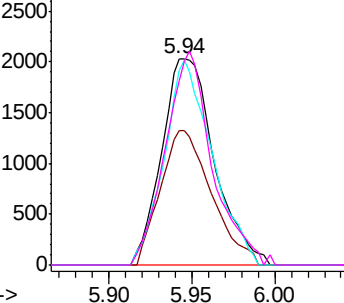


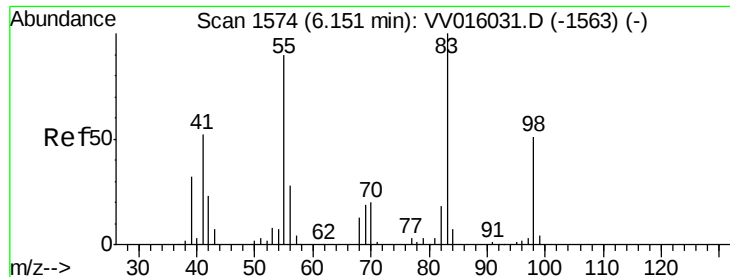
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

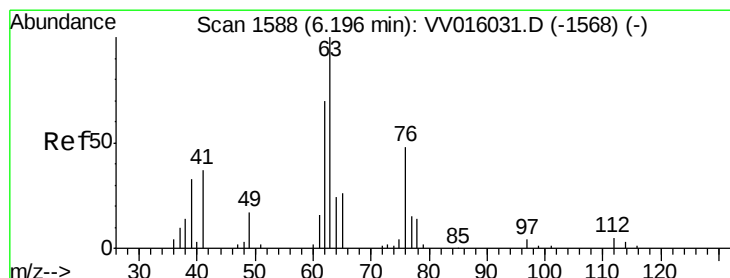
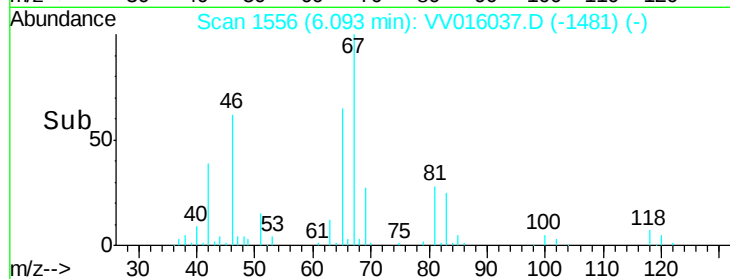
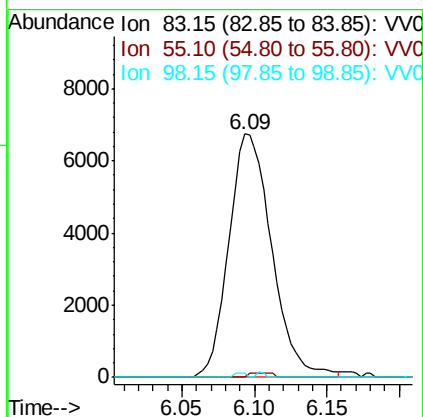
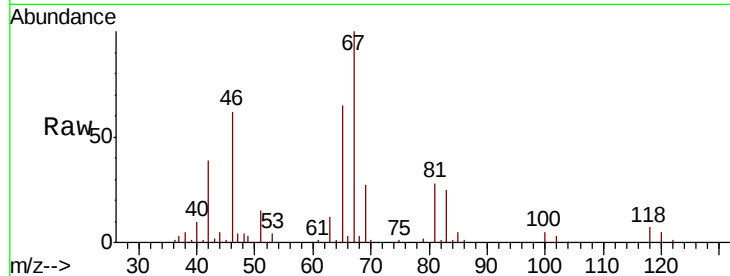




#35
Methvlcvclohexane
Concen: 0.840 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016037.D
Acq: 13 May 2020 13:49

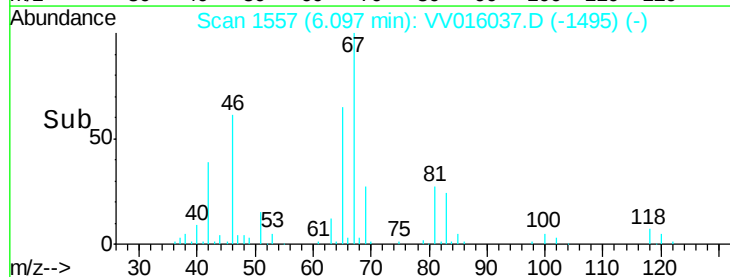
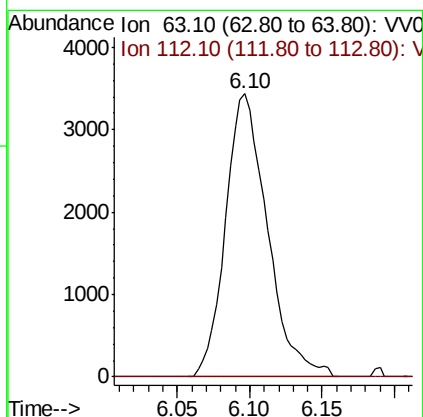
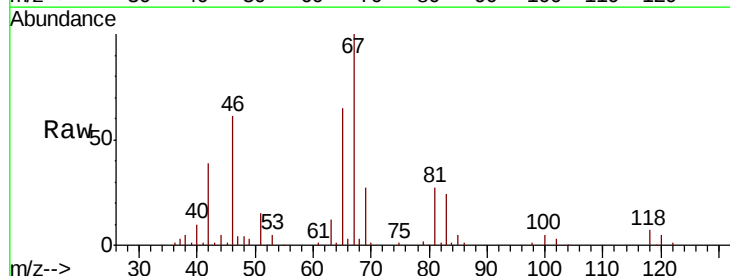
Instrument :
MSVOA_V
ClientSampleId :

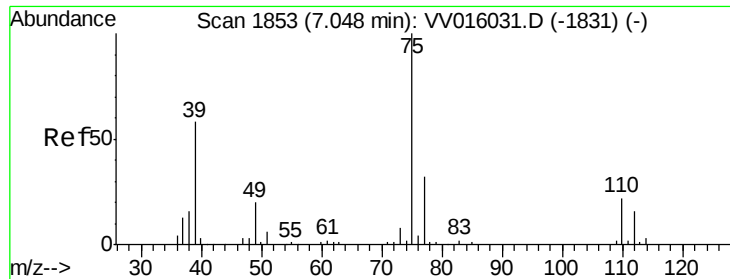
Tot Ion: 83 Resp: 13903
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.2#
98 0.5 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.707 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016037.D
Acq: 13 May 2020 13:49

Tgt Ion: 63 Resp: 6885
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

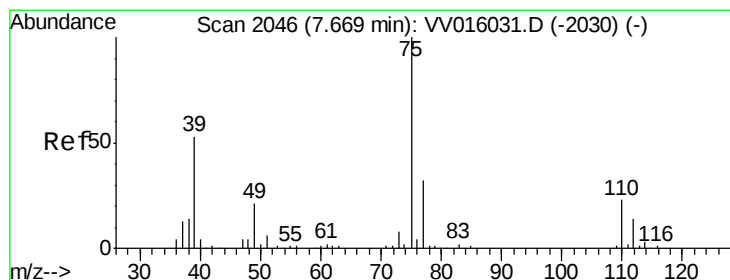
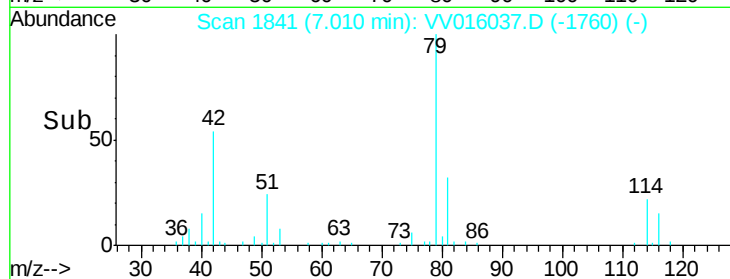
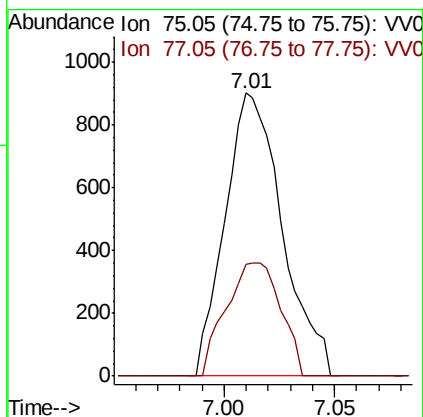
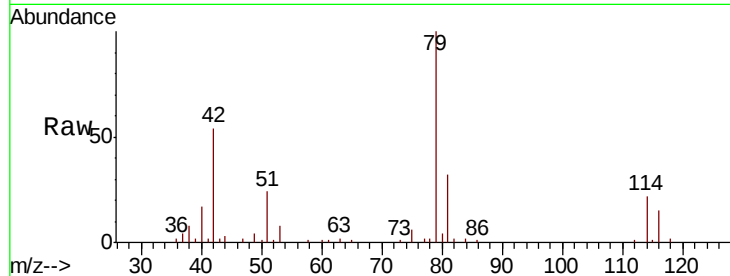




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016037.D
 Acq: 13 May 2020 13:49

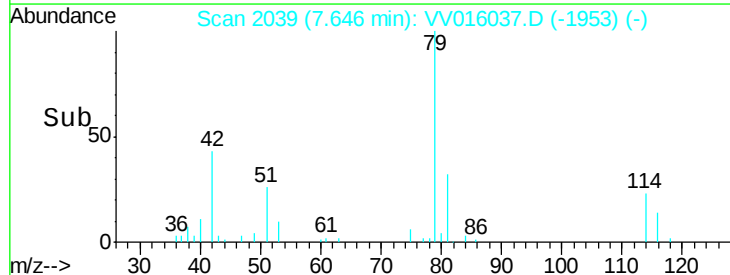
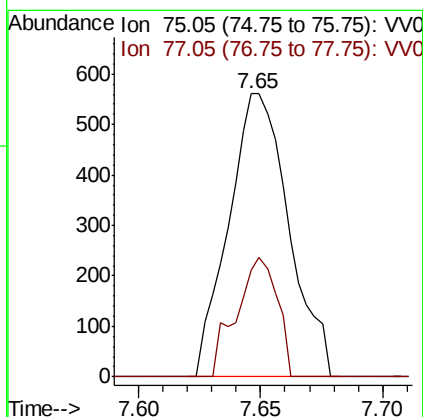
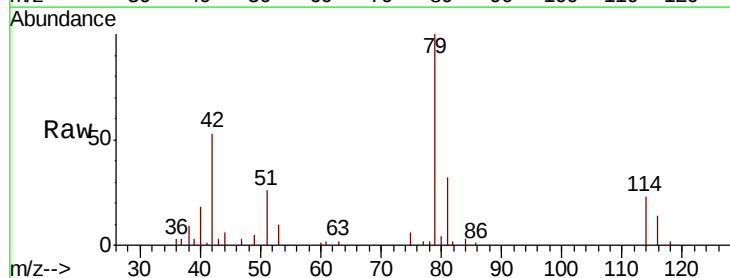
Instrument :
 MSVOA_V
 ClientSampled :

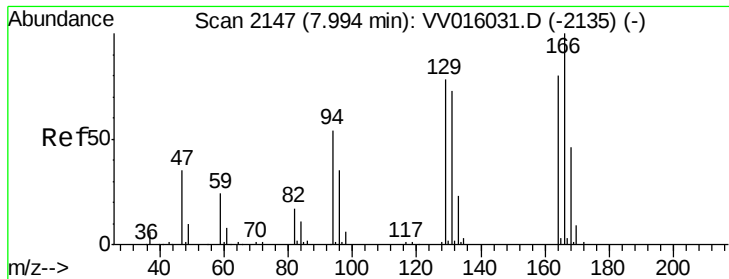
Tot Ion: 75 Resp: 1625
 Ion Ratio Lower Upper
 75 100
 77 39.4 21.3 39.5



#46
 trans-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: VV016037.D
 Acq: 13 May 2020 13:49

Tgt Ion: 75 Resp: 961
 Ion Ratio Lower Upper
 75 100
 77 37.8 21.3 39.6





#49

Tetrachloroethene

Concen: 0.179 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1370

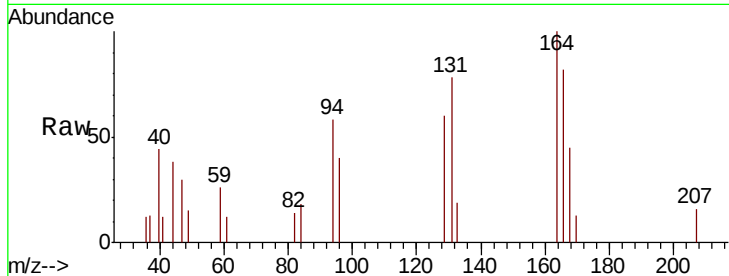
Ion Ratio Lower Upper

164 100

129 60.1 69.7 129.4#

131 78.4 66.8 124.2

166 82.4 89.1 165.5#

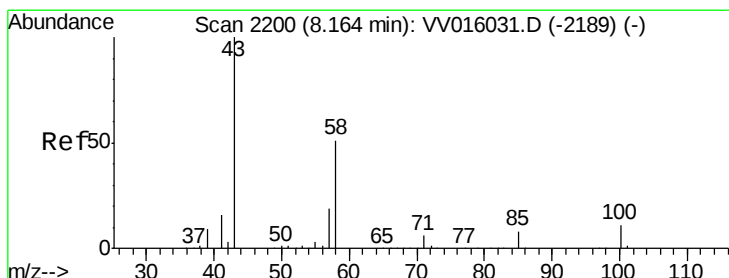
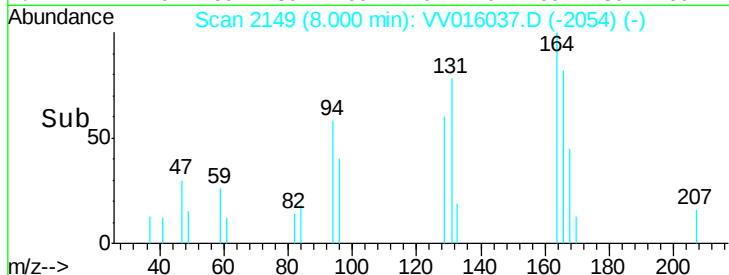
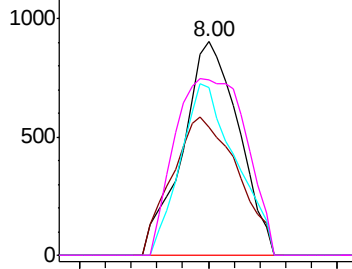


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.447 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Tgt Ion: 43 Resp: 14793

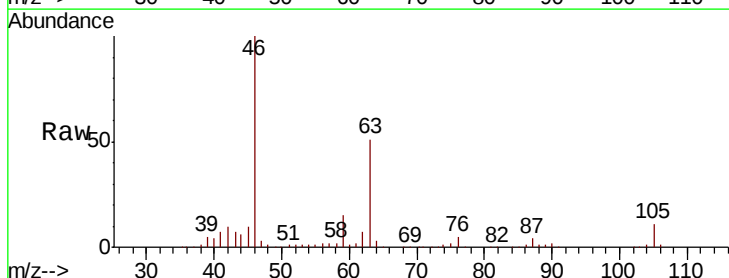
Ion Ratio Lower Upper

43 100

58 35.6 40.8 61.2#

57 24.8 14.7 22.1#

100 0.0 9.0 13.6#

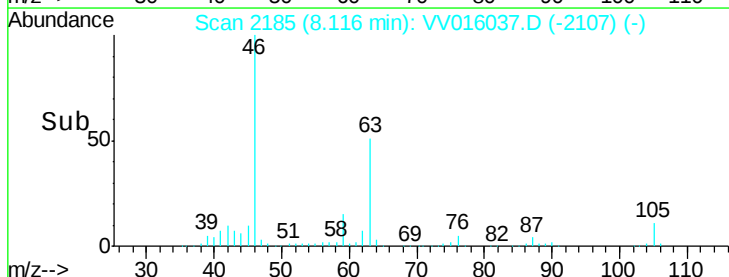
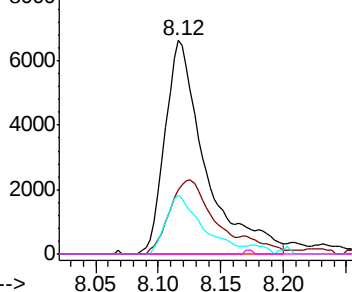


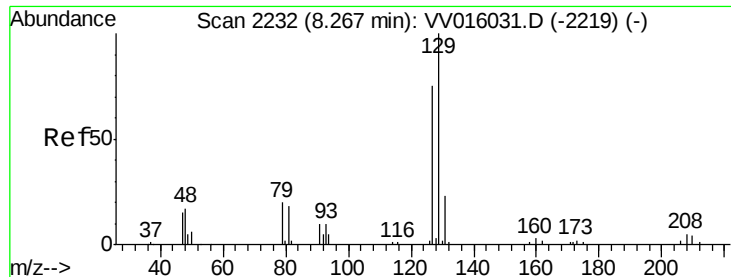
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.142 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016037.D

Acq: 13 May 2020 13:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1038

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

