

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015997.D
 Acq On : 11 May 2020 18:31
 Operator : SY/MD
 Sample : L2541-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:13:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	141431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	141903	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	63761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31921	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	33476	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	53670	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.95	46	117516	53.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	4.38	84	80748	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	49011	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.08	84	160699	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.09	67	52235	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.34	98	143494	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
45) trans-1,3-Dichloropropene-	7.65	79	13507	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
48) 2-Hexanone-d5	8.12	63	81125	45.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35911	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	54232	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

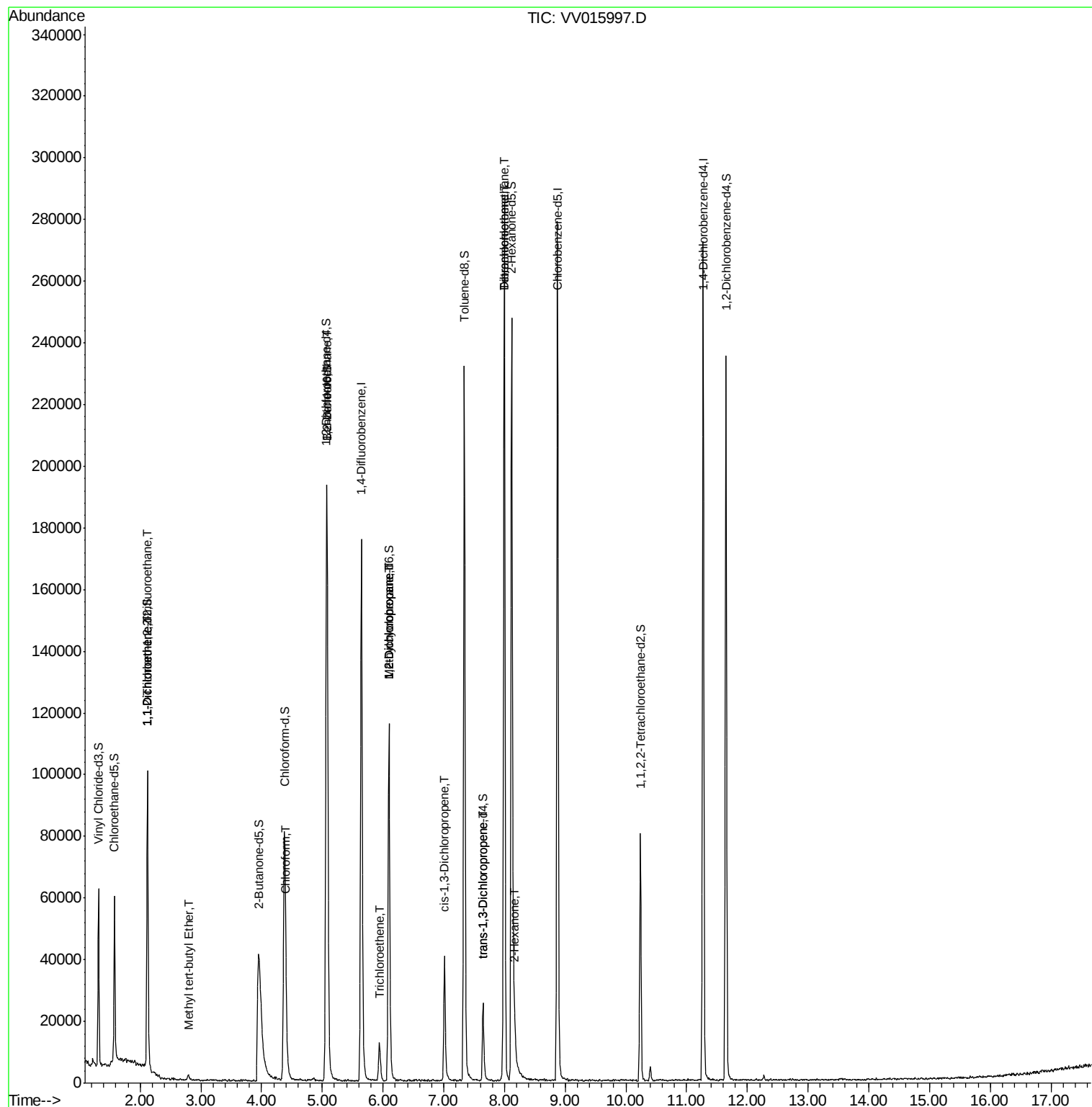
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	634	0.078	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	590	0.076	ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	1420	0.070	ug/L #	70
25) Chloroform	4.41	83	10016	0.549	ug/L	95
27) 1,2-Dichloroethane	5.08	62	1183	0.106	ug/L #	76
34) Trichloroethene	5.94	95	3526	0.346	ug/L	88
35) Methylcyclohexane	6.09	83	13308	0.863	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6670	0.735	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1323	0.103	ug/L	96
46) trans-1,3-Dichloropropene	7.64	75	684	0.063	ug/L	90
49) Tetrachloroethene	8.00	164	59009	8.299	ug/L	99
50) 2-Hexanone	8.17	43	6625	1.657	ug/L #	83
51) Dibromochloromethane	8.00	129	56249	8.264	ug/L #	9

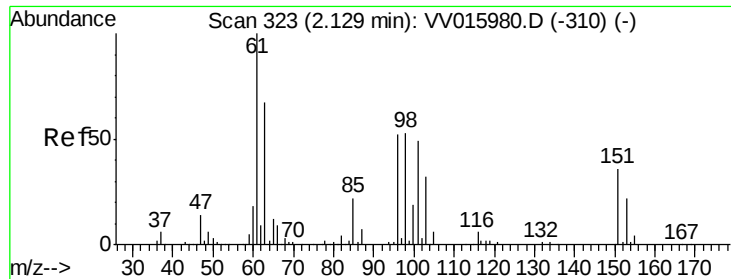
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 12 01:07:44 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.078 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

Instrument :

MSVOA_V

ClientSampled :

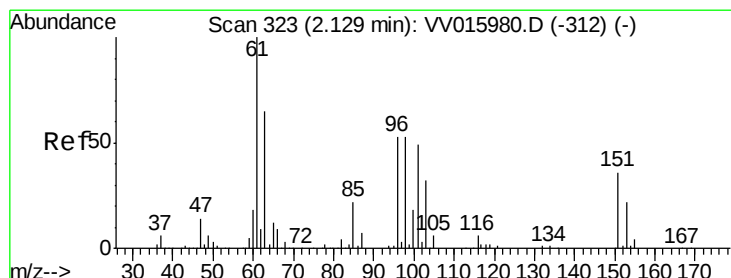
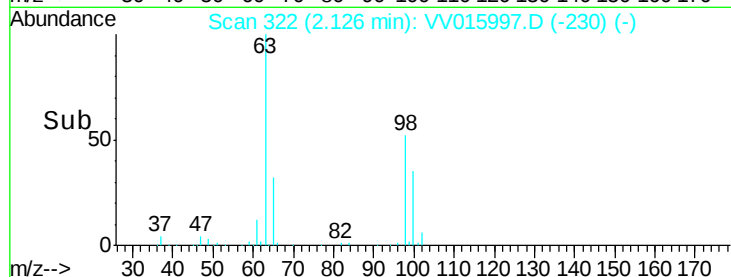
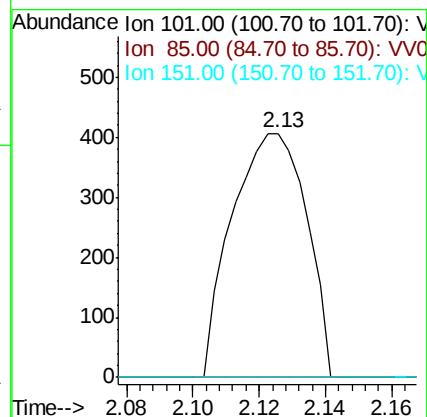
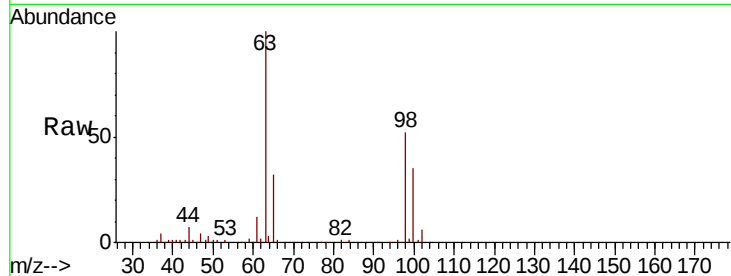
Tot Ion:101 Resp: 634

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

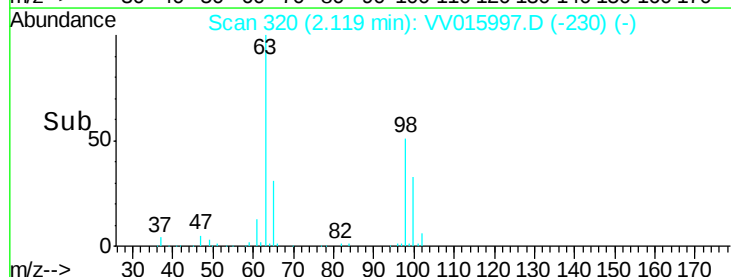
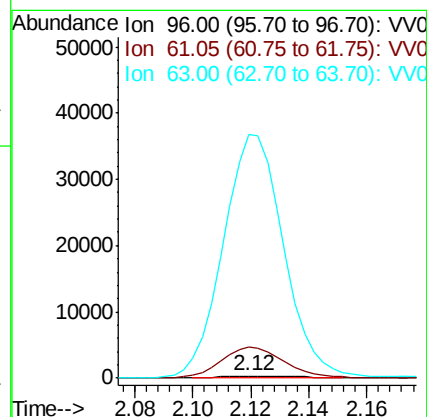
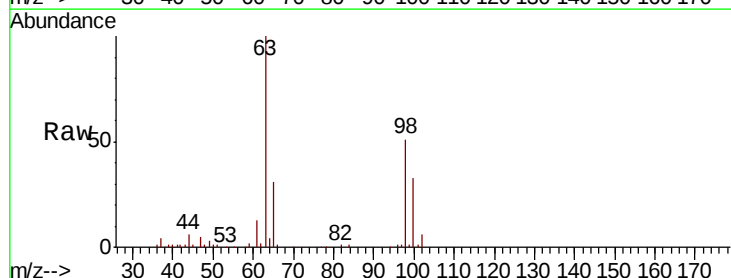
Tgt Ion: 96 Resp: 590

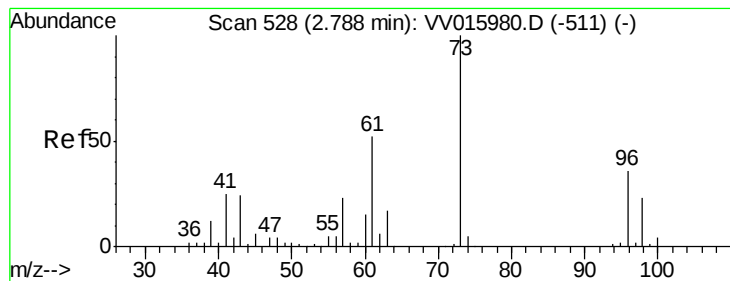
Ion Ratio Lower Upper

96 100

61 1356.5 139.9 259.7#

63 10652.8 106.4 197.6#



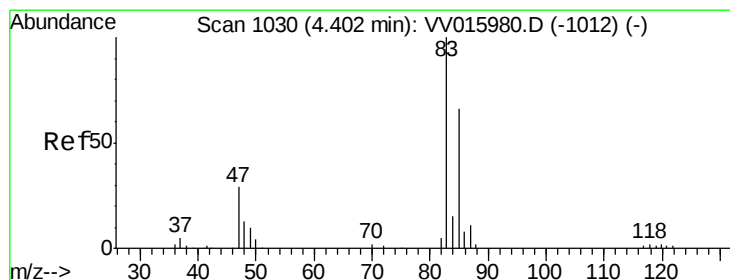
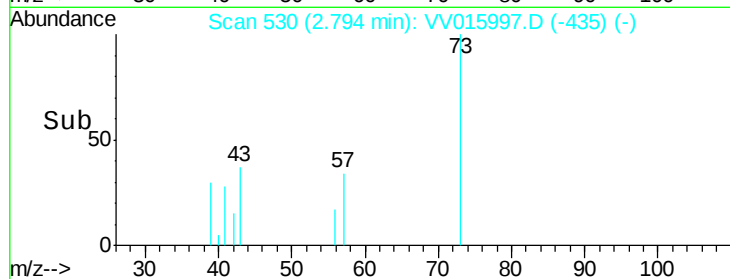
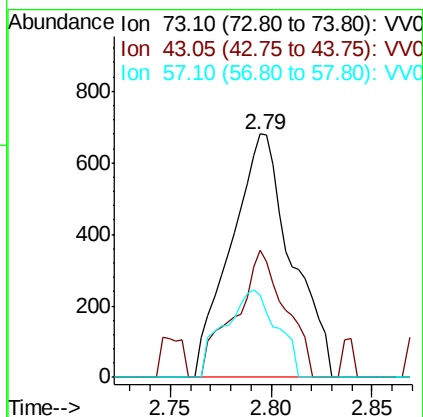
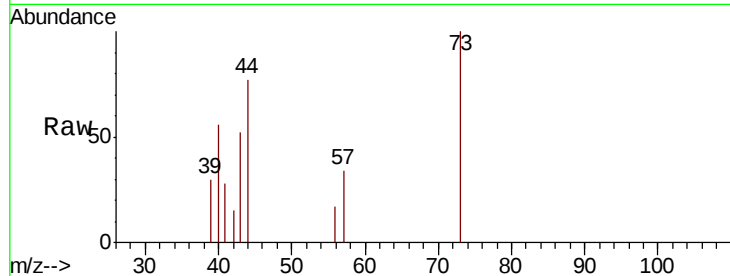


#17

Methvl tert-butvl Ether
 Concen: 0.070 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV015997.D
 Acq: 11 May 2020 18:31

Instrument :
 MSVOA_V
 ClientSampleId :

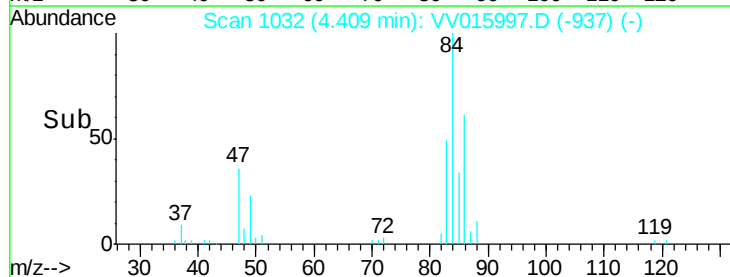
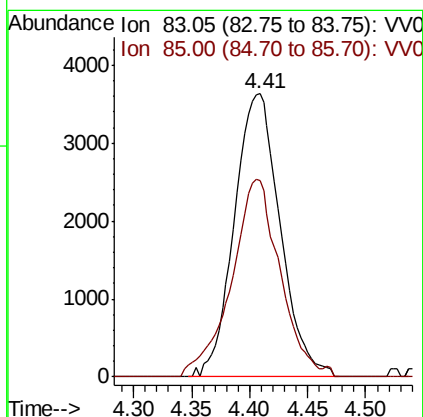
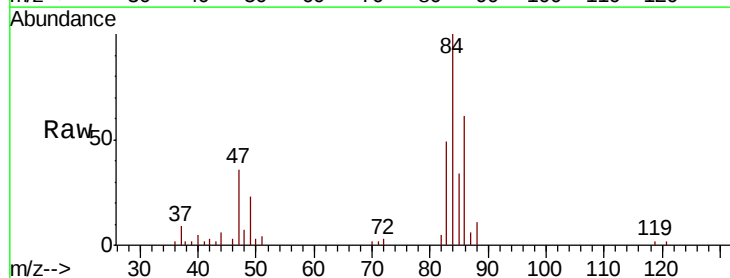
Tot Ion: 73 Resp: 1420
 Ion Ratio Lower Upper
 73 100
 43 43.4 18.8 28.2#
 57 31.2 17.8 26.6#

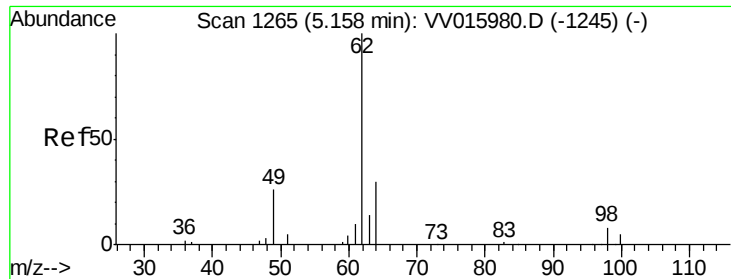


#25

Chloroform
 Concen: 0.549 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015997.D
 Acq: 11 May 2020 18:31

Tgt Ion: 83 Resp: 10016
 Ion Ratio Lower Upper
 83 100
 85 69.4 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 5.08 min Scan# 1241

Delta R.T. -0.08 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

Instrument :

MSVOA_V

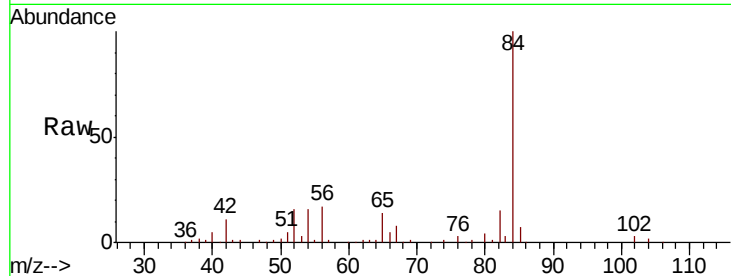
ClientSampleId :

Tot Ion: 62 Resp: 1183

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV015980.D (-1245) (-)

Ion 98.05 (97.75 to 98.75): VV015980.D (-1245) (-)

5.08

600

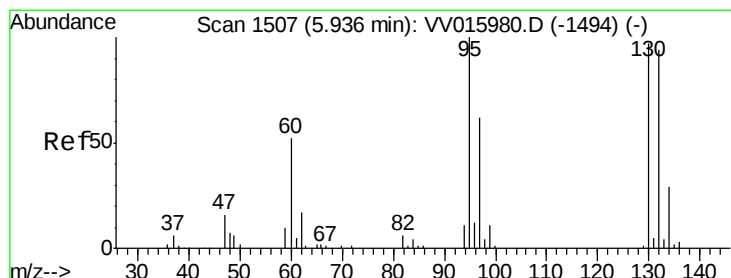
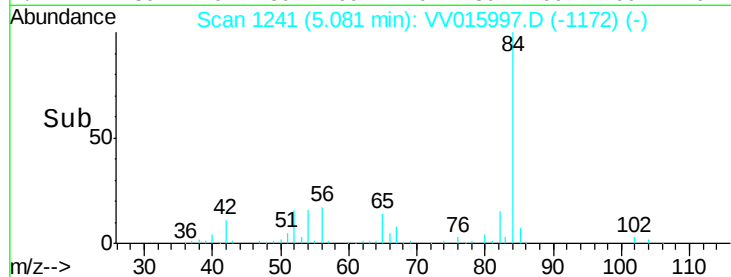
400

200

0

5.05 5.10

Time-->



#34

Trichloroethene

Concen: 0.346 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

Tgt Ion: 95 Resp: 3526

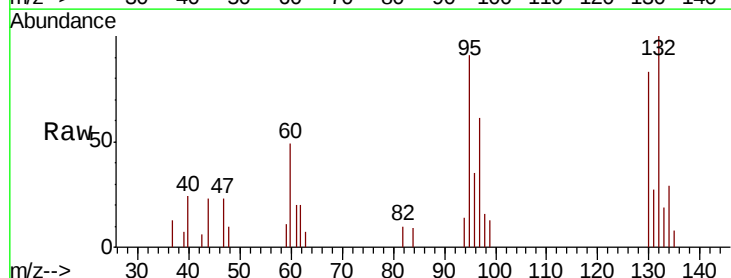
Ion Ratio Lower Upper

95 100

97 66.4 43.3 80.5

132 109.6 60.3 112.1

130 90.5 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV015980.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV015980.D (-1494) (-)

Ion 131.95 (131.65 to 132.65): VV015980.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV015980.D (-1494) (-)

2500

2000

1500

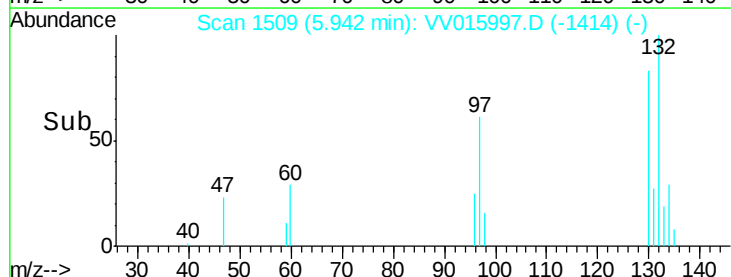
1000

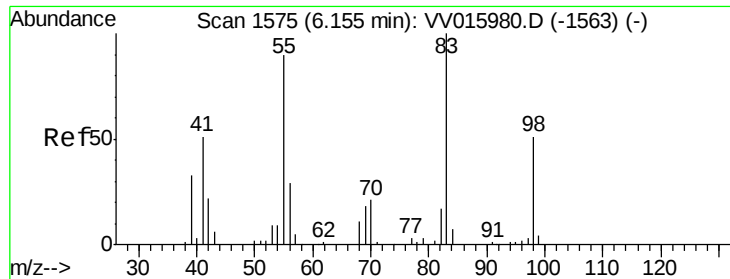
500

0

5.90 5.95 6.00

Time-->

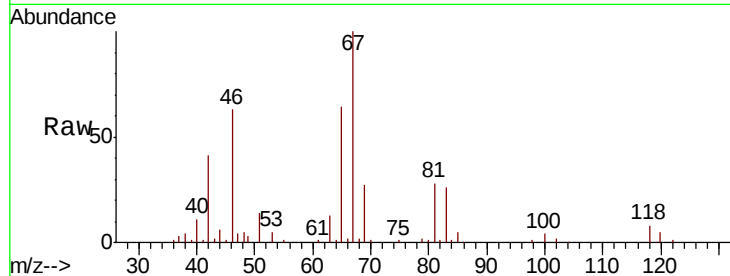




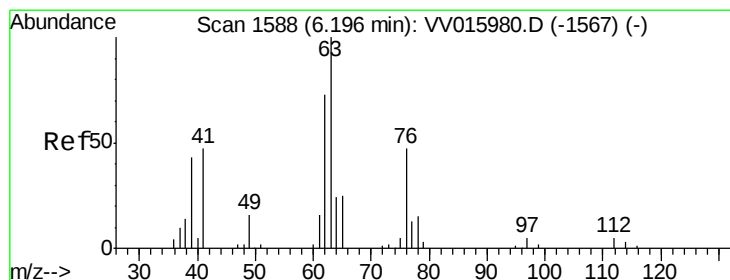
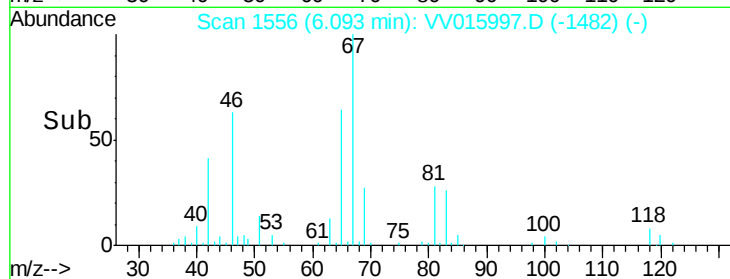
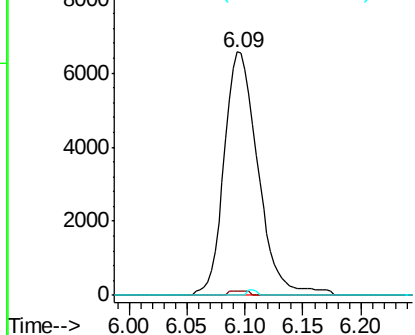
#35
Methvlcvclohexane
Concen: 0.863 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015997.D
Acq: 11 May 2020 18:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 13308
Ion Ratio Lower Upper
83 100
55 1.0 66.2 99.2#
98 0.6 37.9 56.9#

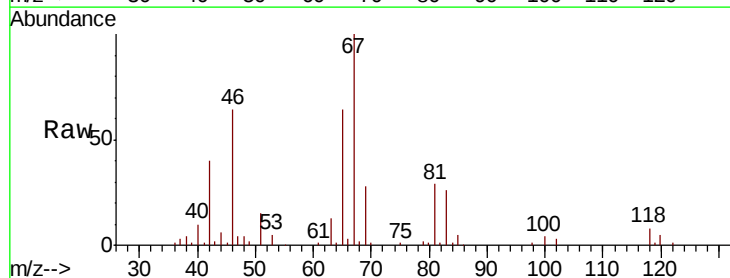


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

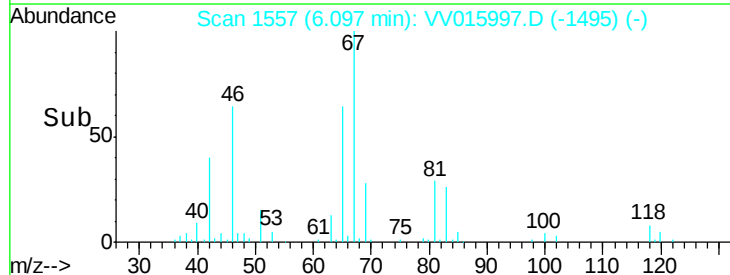
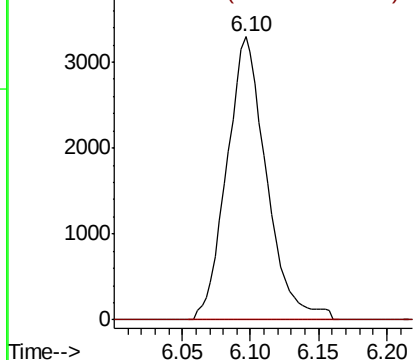


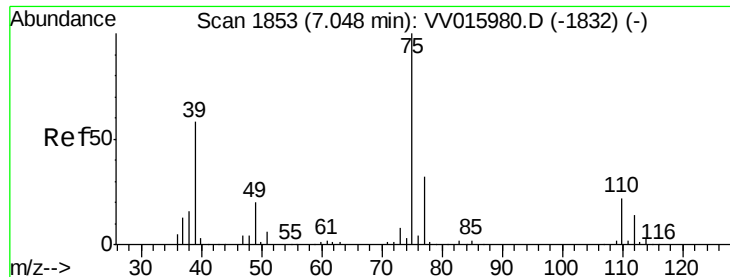
#37
1,2-Dichloropropane
Concen: 0.735 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015997.D
Acq: 11 May 2020 18:31

Tgt Ion: 63 Resp: 6670
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

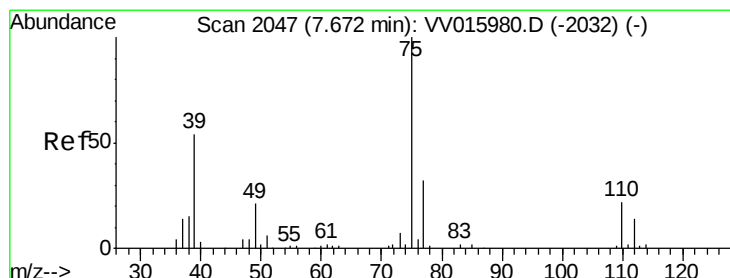
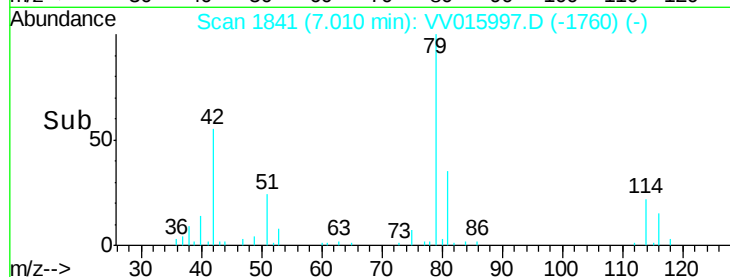
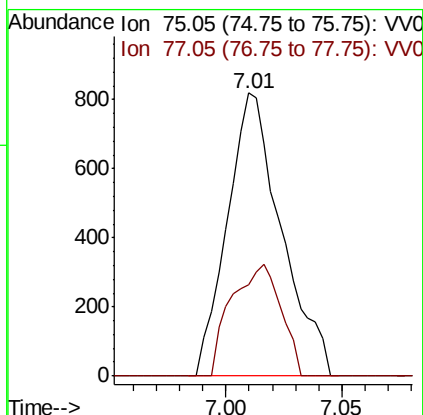
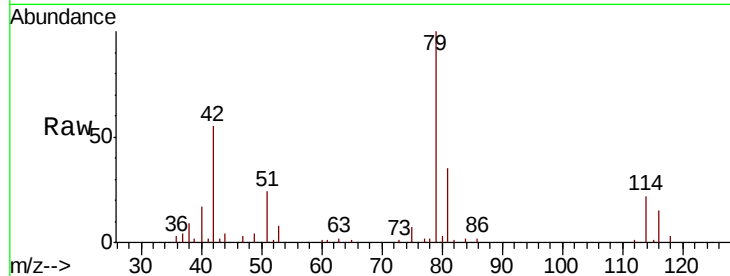




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015997.D
 Acq: 11 May 2020 18:31

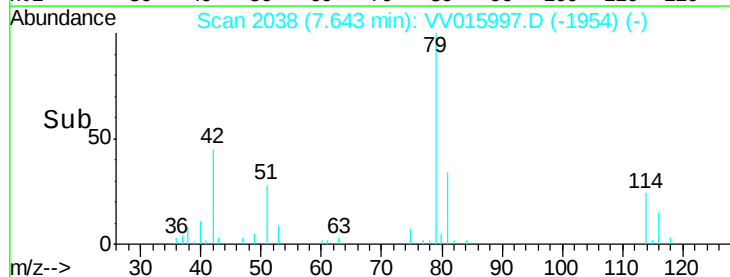
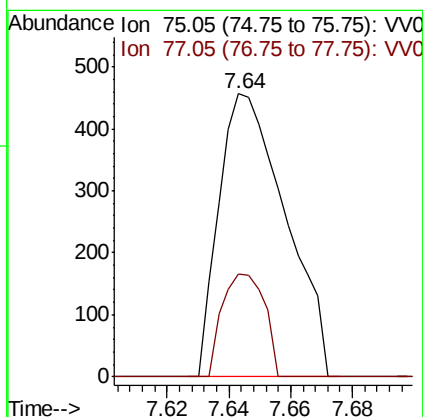
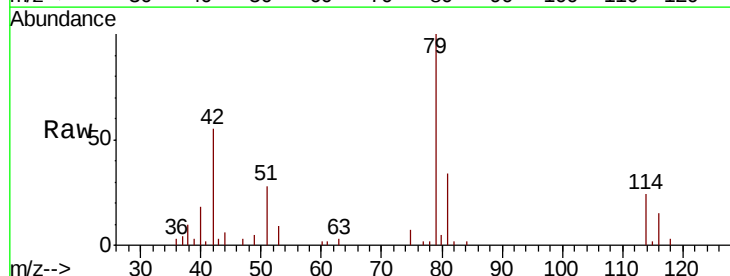
Instrument :
 MSVOA_V
 ClientSampleId :

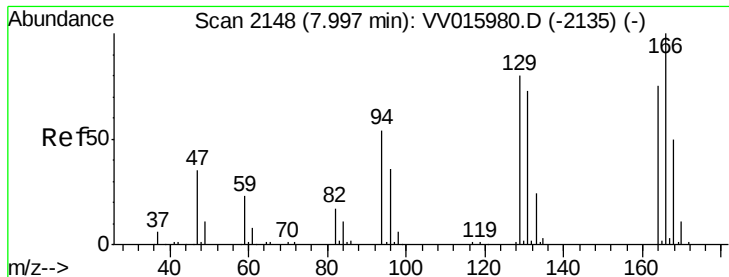
Tot Ion: 75 Resp: 1323
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.3 39.5



#46
 trans-1,3-Dichloropropene
 Concen: 0.063 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV015997.D
 Acq: 11 May 2020 18:31

Tgt Ion: 75 Resp: 684
 Ion Ratio Lower Upper
 75 100
 77 36.1 21.3 39.6





#49

Tetrachloroethene

Concen: 8.299 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 59009

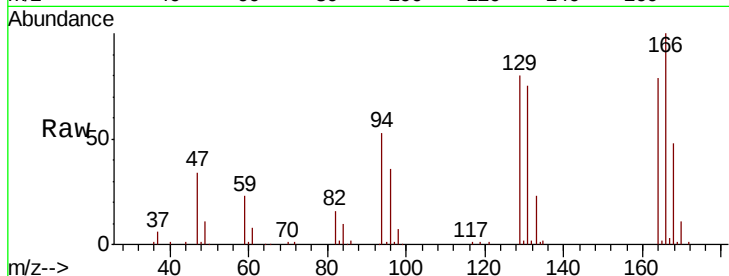
Ion Ratio Lower Upper

164 100

129 100.5 69.7 129.4

131 94.0 66.8 124.2

166 125.9 89.1 165.5

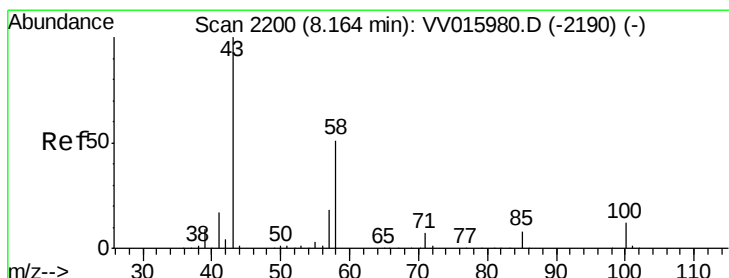
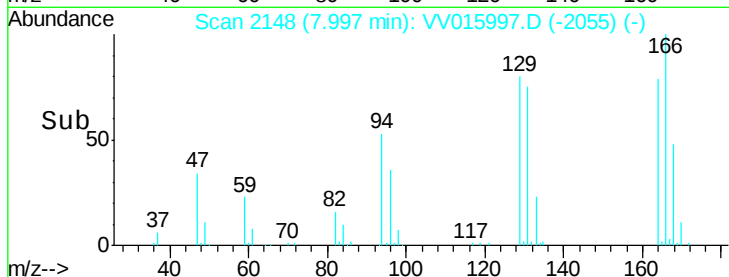
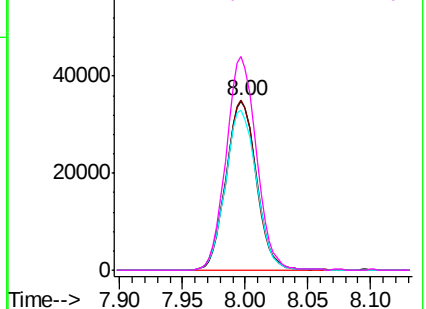


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.657 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015997.D

Acq: 11 May 2020 18:31

Tgt Ion: 43 Resp: 6625

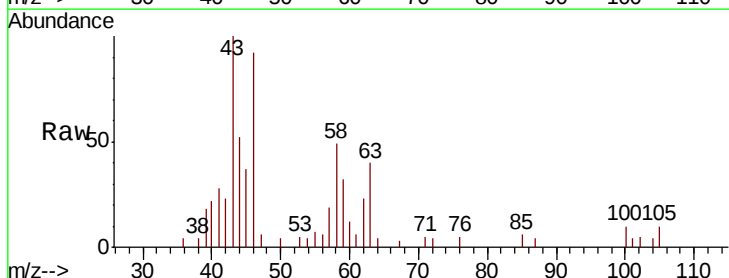
Ion Ratio Lower Upper

43 100

58 42.9 40.8 61.2

57 2.3 14.7 22.1#

100 7.3 9.0 13.6#

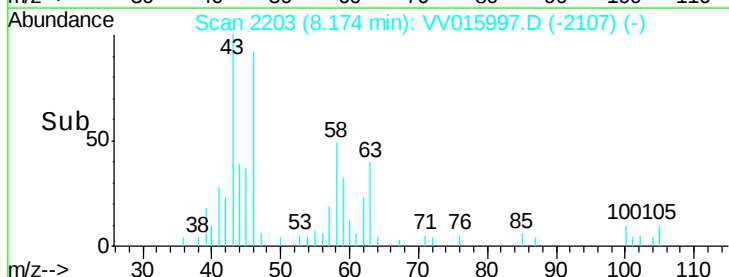
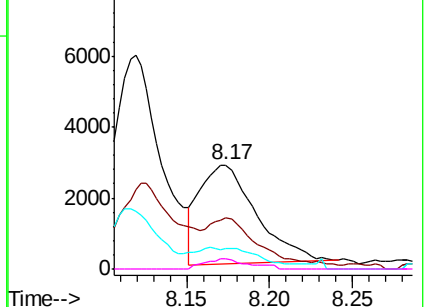


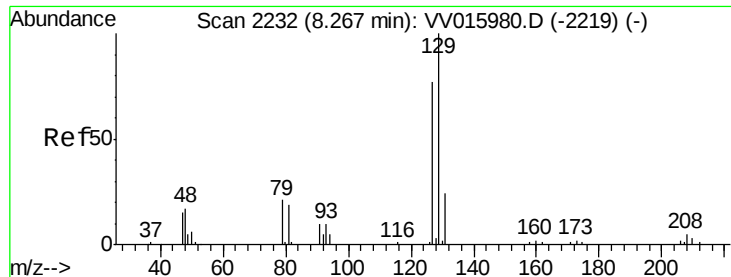
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 8.264 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV015997.D
 Acq: 11 May 2020 18:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 56249
 Ion Ratio Lower Upper
 129 100
 127 0.0 56.0 104.0#

