

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016042.D
 Acq On : 13 May 2020 15:44
 Operator : SY/MD
 Sample : L2542-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:30:16 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	5.65	114	150201	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147154	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66498	5.00	ug/L	0.00

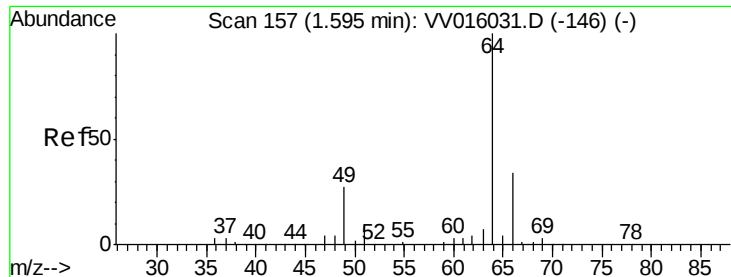
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47768	5.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.20%
7) Chloroethane-d5	1.58	69	44528	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.13	63	70460	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	3.94	46	120235	51.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	4.38	84	93961	5.28	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.06	65	52265	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.08	84	181714	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.10	67	55821	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.34	98	163085	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	7.65	79	17173	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
48) 2-Hexanone-d5	8.12	63	89813	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39066	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	57549	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.52	64	58370	7.352	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	626	0.073	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1000	0.121	ug/L #	1
13) Acetone	2.21	43	3550	2.315	ug/L #	40
14) Carbon disulfide	2.32	76	1098	0.040	ug/L #	76
27) 1,2-Dichloroethane	5.08	62	1470	0.123	ug/L #	76
35) Methylcyclohexane	6.10	83	13933	0.872	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7221	0.768	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1418	0.107	ug/L	92
46) trans-1,3-Dichloropropene	7.65	75	827	0.074	ug/L #	80
49) Tetrachloroethene	8.00	164	952	0.129	ug/L	87
50) 2-Hexanone	8.12	43	15783	3.807	ug/L #	76
51) Dibromochloromethane	8.00	129	875	0.124	ug/L #	9

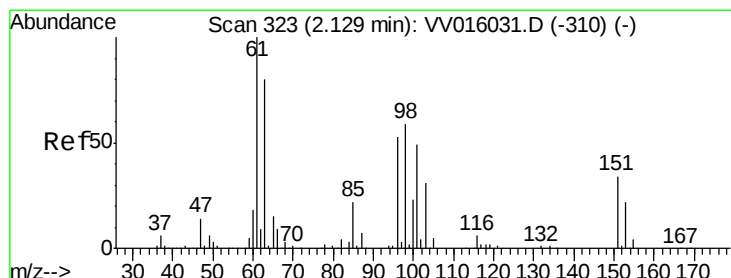
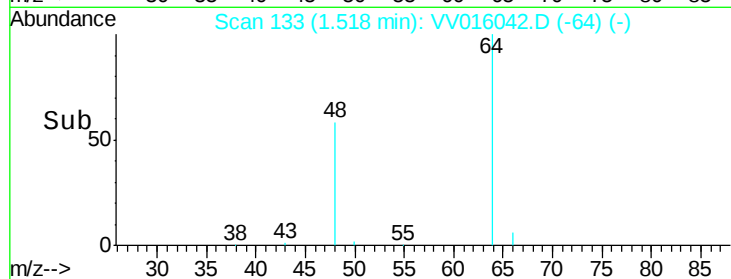
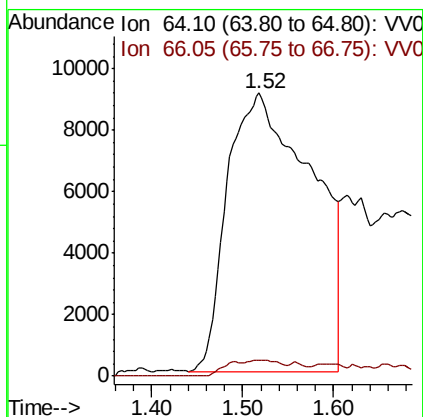
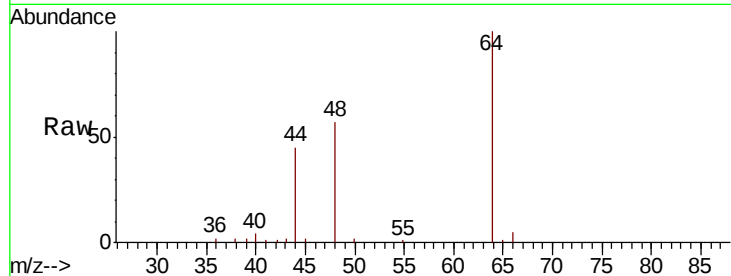
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 7.352 ug/L
RT: 1.52 min Scan# 133
Delta R.T. -0.08 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

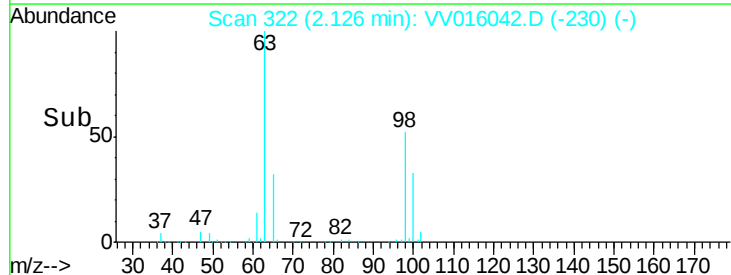
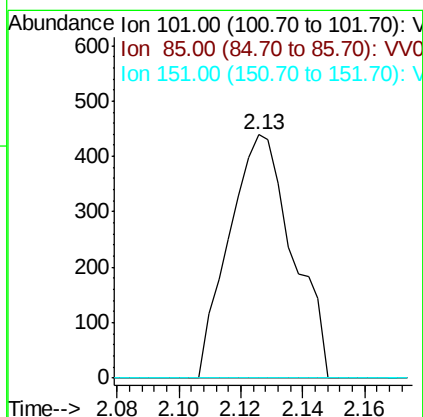
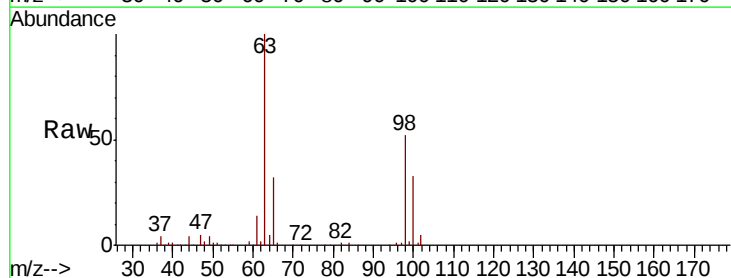
Instrument :
MSVOA_V
ClientSampled :

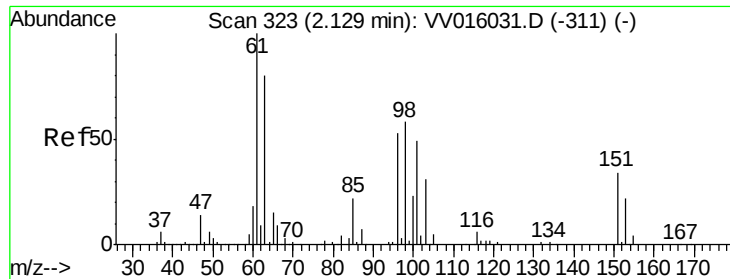
Tot Ion: 64 Resp: 58370
Ion Ratio Lower Upper
64 100
66 5.5 23.6 43.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.073 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.00 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

Tgt Ion: 101 Resp: 626
Ion Ratio Lower Upper
101 100
85 0.0 35.7 53.5#
151 0.0 58.0 87.0#

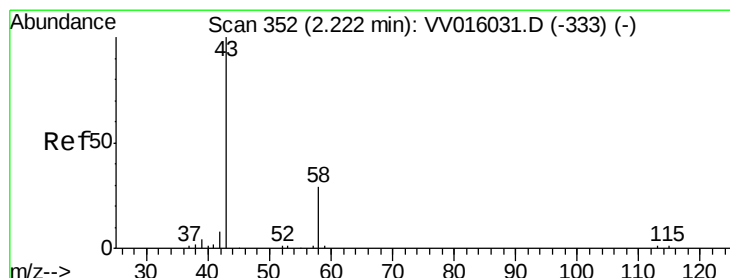
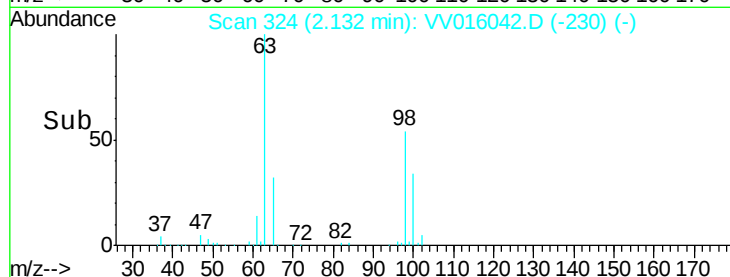
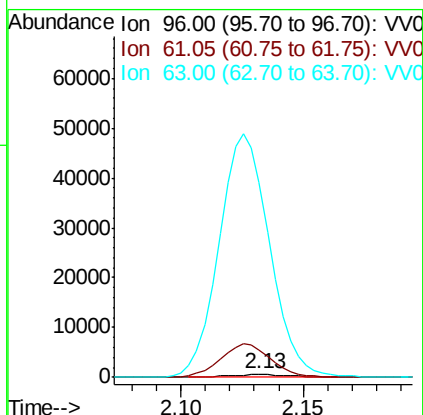
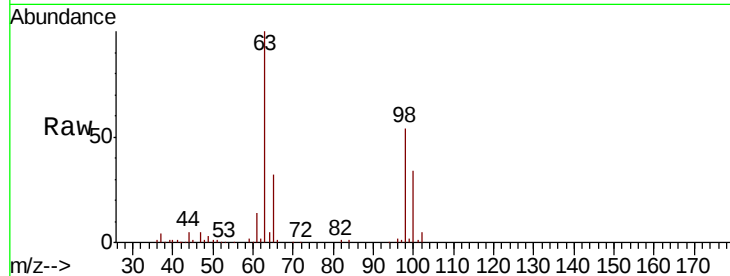




#12
 1,1-Dichloroethene
 Concen: 0.121 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV016042.D
 Acq: 13 May 2020 15:44

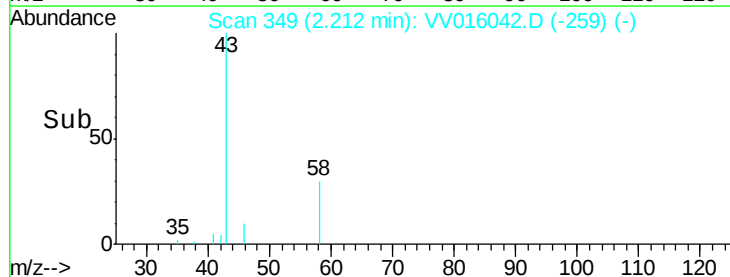
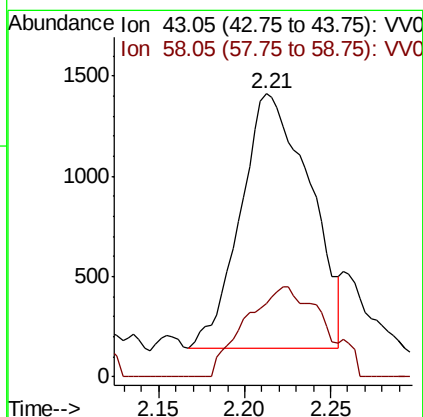
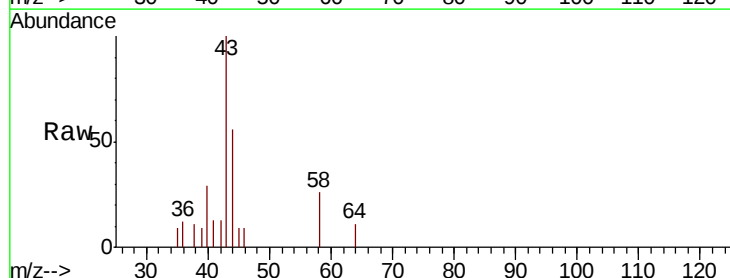
Instrument :
 MSVOA_V
 ClientSampled :

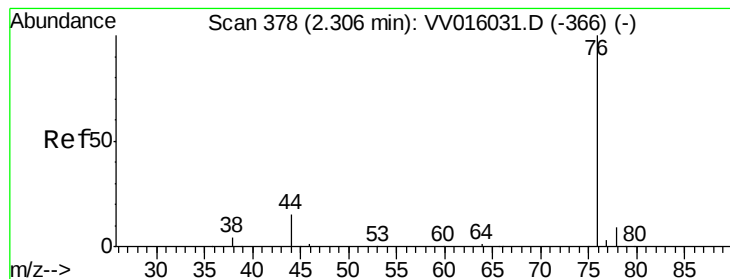
Tot Ion: 96 Resp: 1000
 Ion Ratio Lower Upper
 96 100
 61 919.0 139.9 259.7#
 63 6558.7 106.4 197.6#



#13
 Acetone
 Concen: 2.315 ug/L
 RT: 2.21 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VV016042.D
 Acq: 13 May 2020 15:44

Tgt Ion: 43 Resp: 3550
 Ion Ratio Lower Upper
 43 100
 58 40.5 0.0 30.8#





#14

Carbon disulfide

Concen: 0.040 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV016042.D

Acq: 13 May 2020 15:44

Instrument :

MSVOA_V

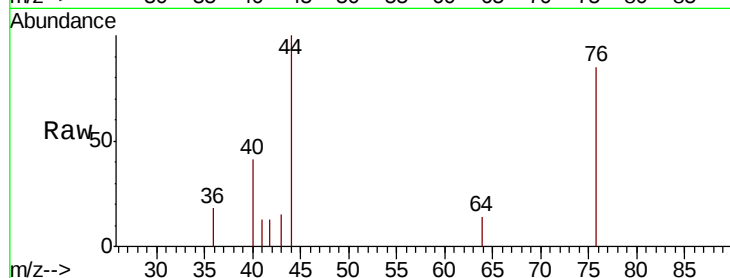
ClientSampleId :

Tot Ion: 76 Resp: 1098

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

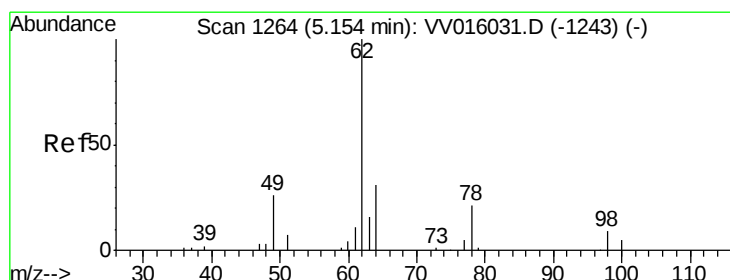
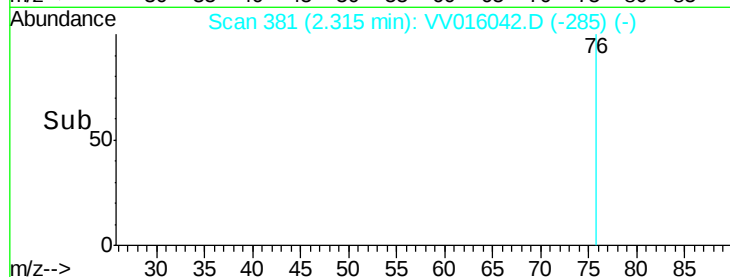
600

400

200

0

Time-->



#27

1,2-Dichloroethane

Concen: 0.123 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016042.D

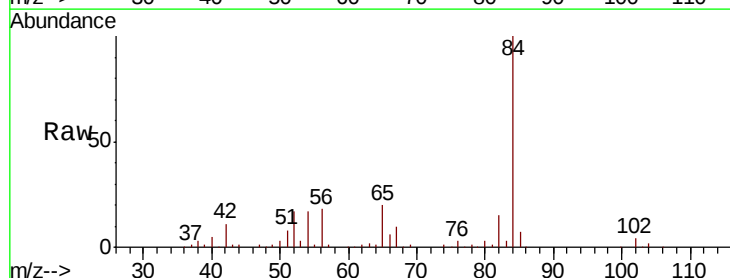
Acq: 13 May 2020 15:44

Tgt Ion: 62 Resp: 1470

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

5.08

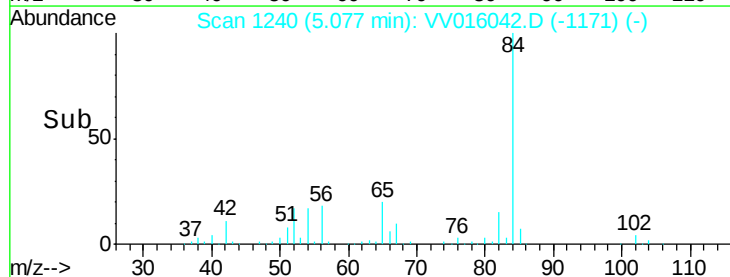
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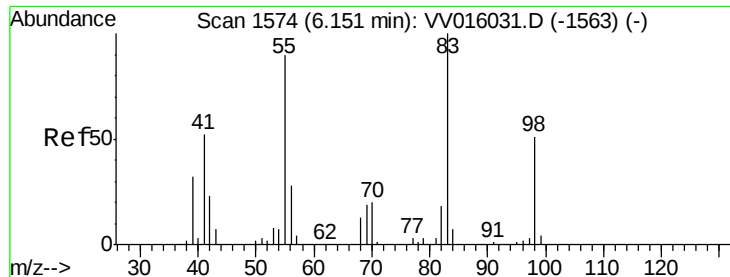
400

200

0

Time-->

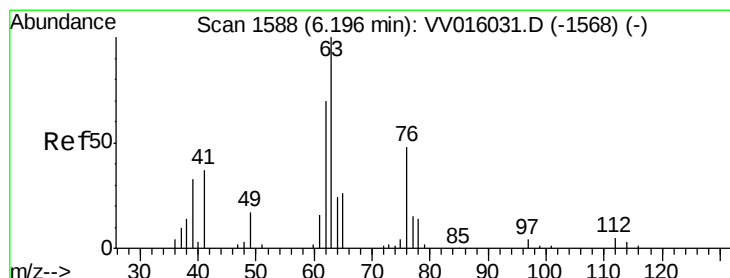
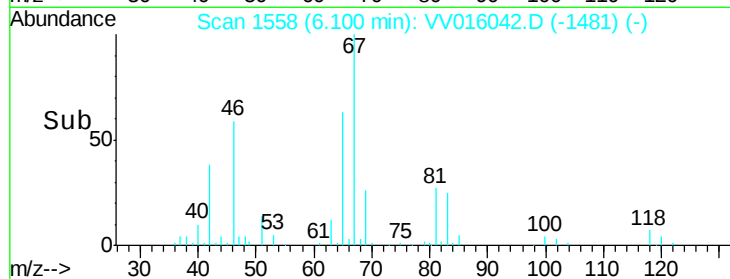
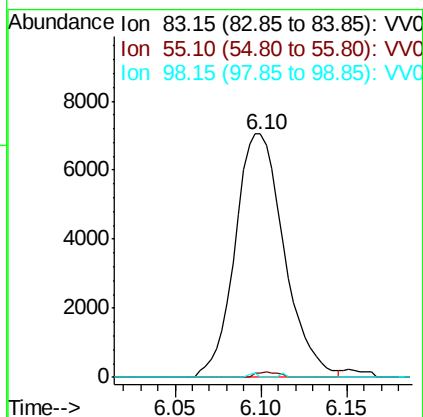
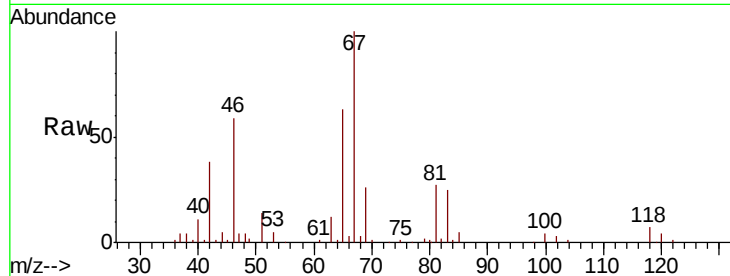




#35
Methvlcvclohexane
Concen: 0.872 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

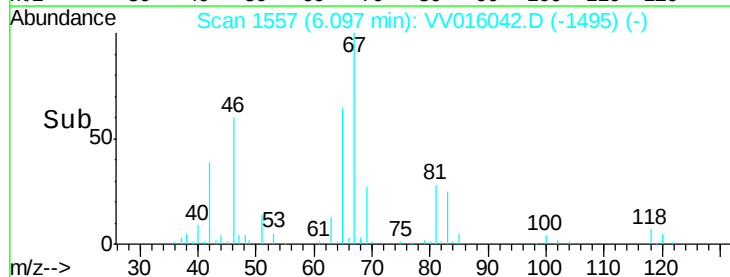
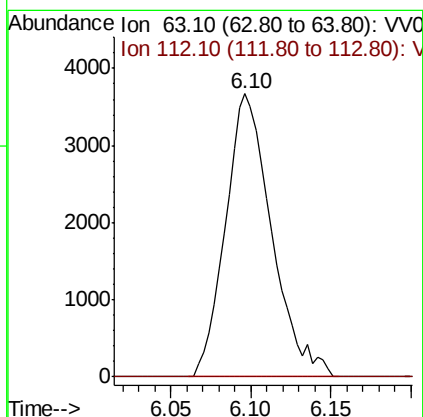
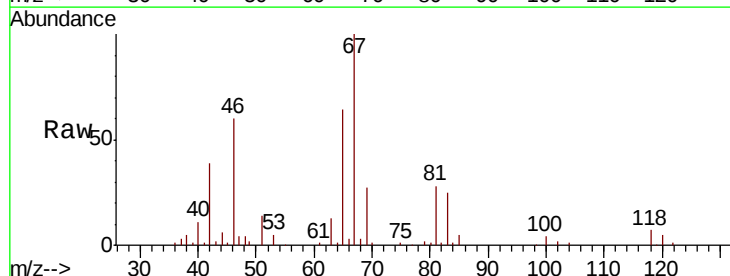
Instrument :
MSVOA_V
ClientSampleId :

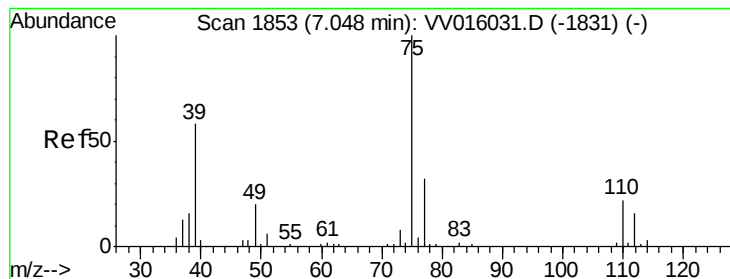
Tot Ion: 83 Resp: 13933
Ion Ratio Lower Upper
83 100
55 1.0 66.2 99.2#
98 0.3 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.768 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

Tgt Ion: 63 Resp: 7221
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



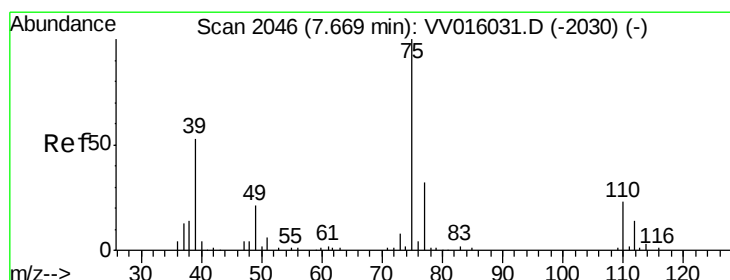
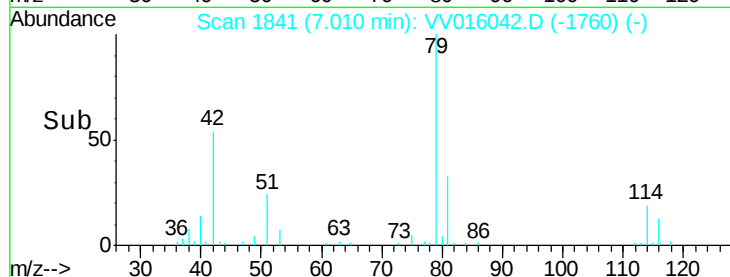
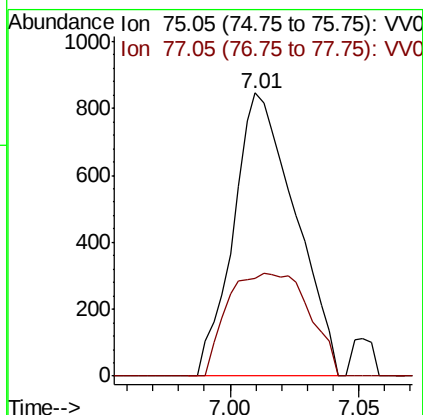
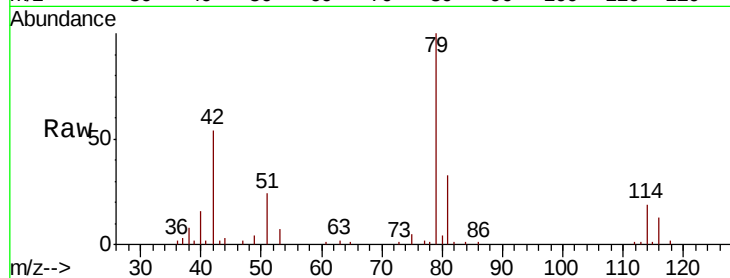


#39

cis-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

Instrument :
MSVOA_V
ClientSampleId :

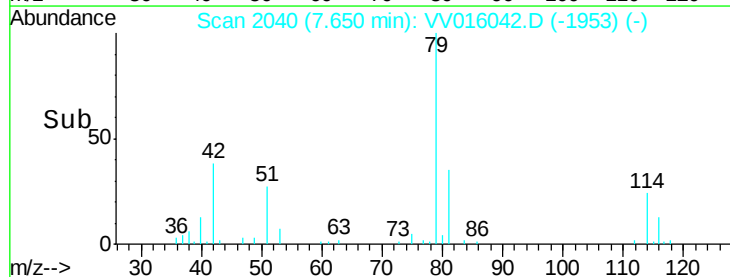
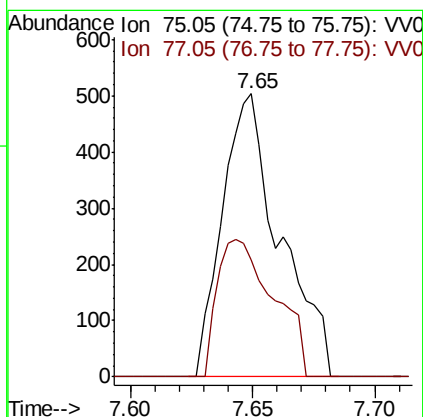
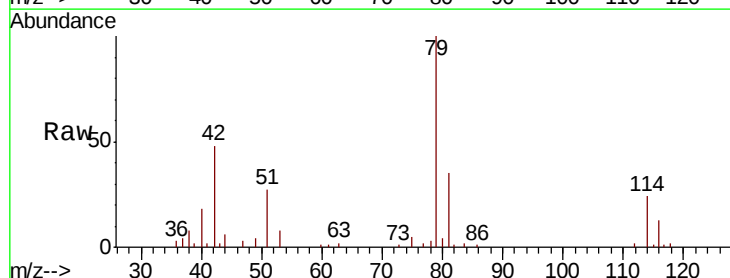
Tot Ion: 75 Resp: 1418
Ion Ratio Lower Upper
75 100
77 34.6 21.3 39.5

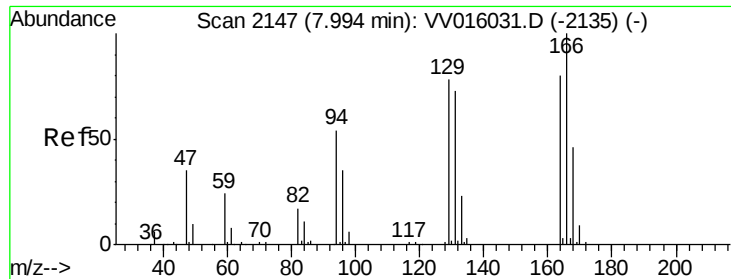


#46

trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016042.D
Acq: 13 May 2020 15:44

Tgt Ion: 75 Resp: 827
Ion Ratio Lower Upper
75 100
77 41.6 21.3 39.6#





#49

Tetrachloroethene

Concen: 0.129 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV016042.D

Acq: 13 May 2020 15:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 952

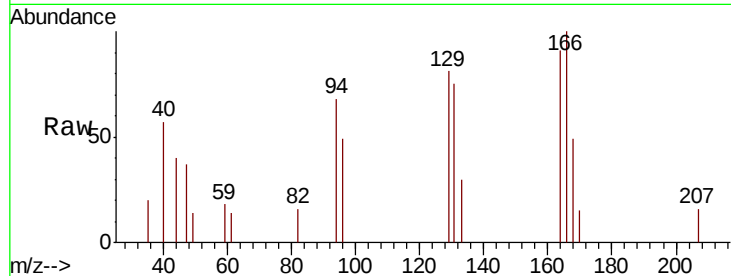
Ion Ratio Lower Upper

164 100

129 88.9 69.7 129.4

131 82.7 66.8 124.2

166 110.0 89.1 165.5

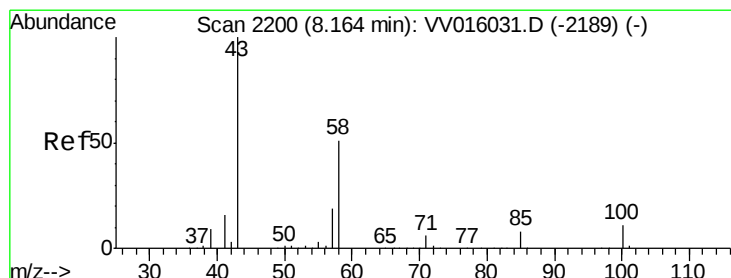
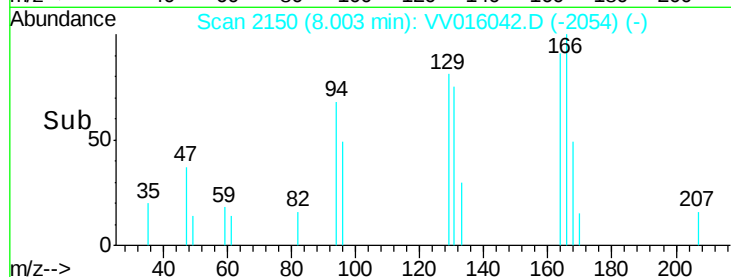
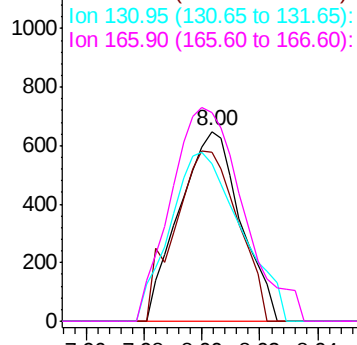


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.807 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016042.D

Acq: 13 May 2020 15:44

Tgt Ion: 43 Resp: 15783

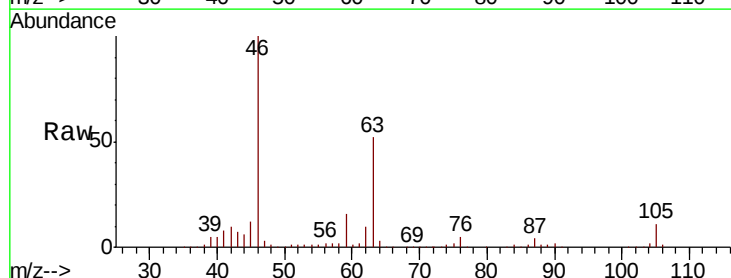
Ion Ratio Lower Upper

43 100

58 32.8 40.8 61.2#

57 24.5 14.7 22.1#

100 0.3 9.0 13.6#

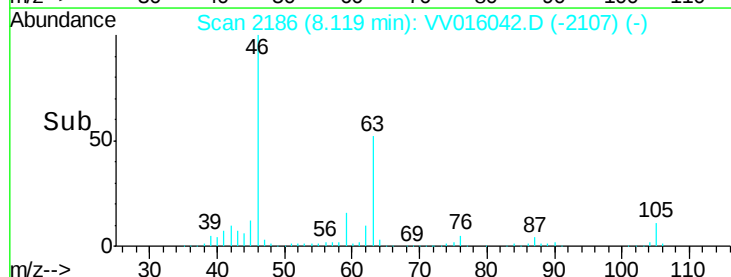
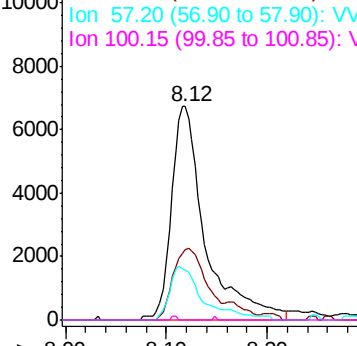


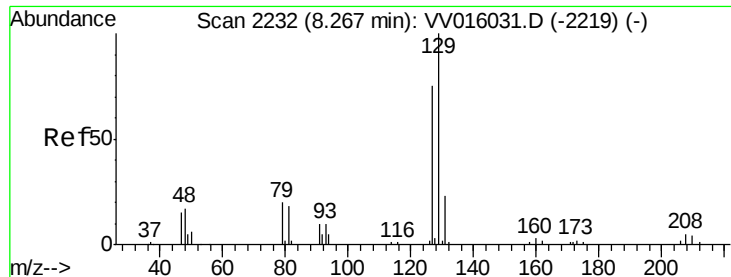
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.124 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV016042.D

Acq: 13 May 2020 15:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 875

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

