

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016053.D
 Acq On : 13 May 2020 20:22
 Operator : SY/MD
 Sample : L2598-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:32:45 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	152195	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	153474	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67149	5.00	ug/L	0.00

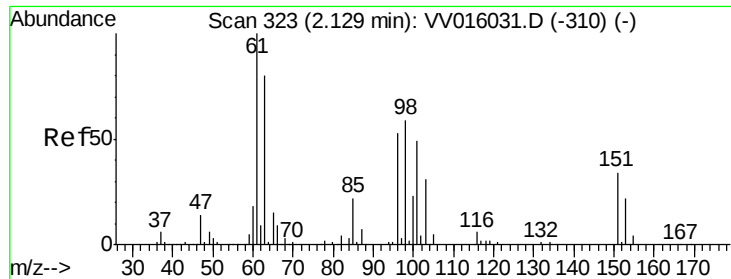
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46665	5.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.00%
7) Chloroethane-d5	1.58	69	44872	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.13	63	77545	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.93	46	120906	51.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.68%
24) Chloroform-d	4.38	84	93844	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.06	65	53581	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.08	84	186559	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.10	67	57311	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	164503	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
45) trans-1,3-Dichloropropene-	7.65	79	17582	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
48) 2-Hexanone-d5	8.12	63	90022	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40198	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	57940	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1510	0.173	ug/L #	70
12) 1,1-Dichloroethene	2.14	96	12079	1.442	ug/L #	4
13) Acetone	2.22	43	4436	2.855	ug/L	93
22) cis-1,2-Dichloroethene	3.94	96	1510	0.156	ug/L	92
25) Chloroform	4.41	83	5920	0.302	ug/L	86
27) 1,2-Dichloroethane	5.07	62	1322	0.110	ug/L #	76
34) Trichloroethene	5.95	95	2900	0.263	ug/L	84
35) Methylcyclohexane	6.10	83	14306	0.858	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6955	0.709	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1445	0.104	ug/L #	45
46) trans-1,3-Dichloropropene	7.65	75	914	0.078	ug/L	92
49) Tetrachloroethene	8.00	164	18170	2.363	ug/L	97
50) 2-Hexanone	8.12	43	14319	3.312	ug/L #	86
51) Dibromochloromethane	8.00	129	18288	2.484	ug/L #	9

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



#10

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

Concen: 0.173 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

Instrument :

MSVOA_V

ClientSampled :

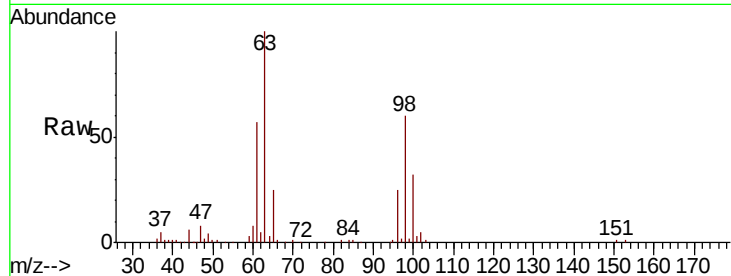
Tot Ion:101 Resp: 1510

Ion Ratio Lower Upper

101 100

85 30.9 35.7 53.5#

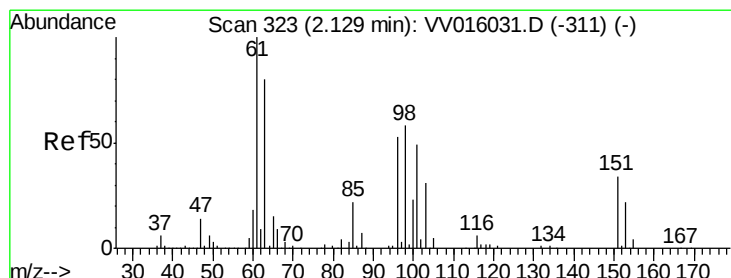
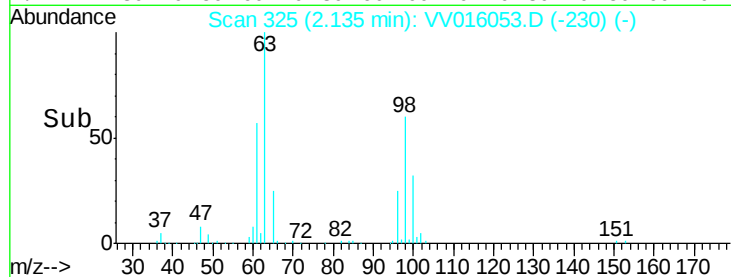
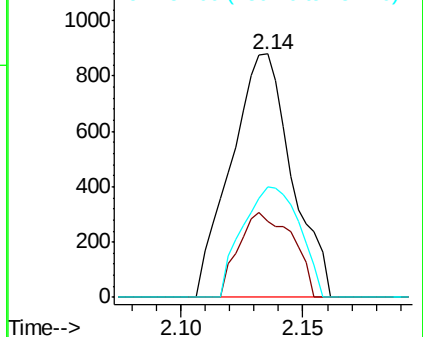
151 43.2 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.442 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

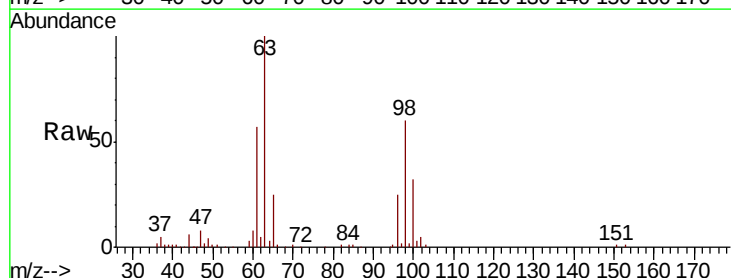
Tgt Ion: 96 Resp: 12079

Ion Ratio Lower Upper

96 100

61 228.2 139.9 259.7

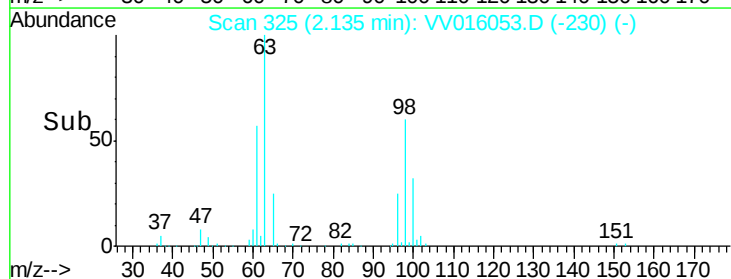
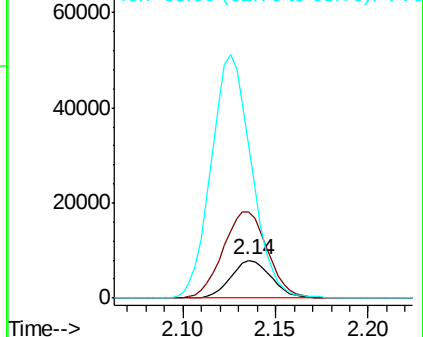
63 403.4 106.4 197.6#

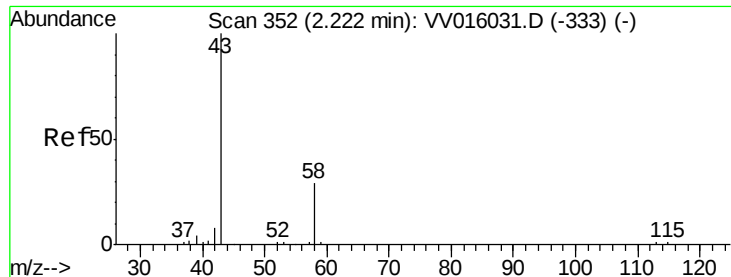


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.855 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

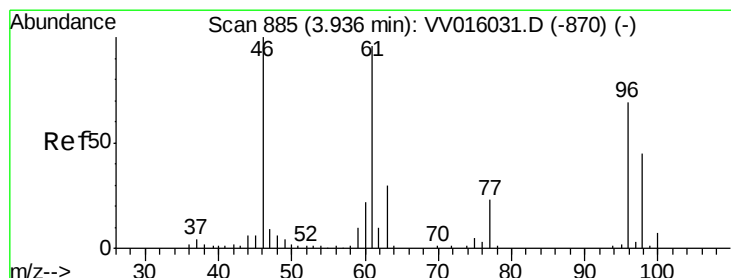
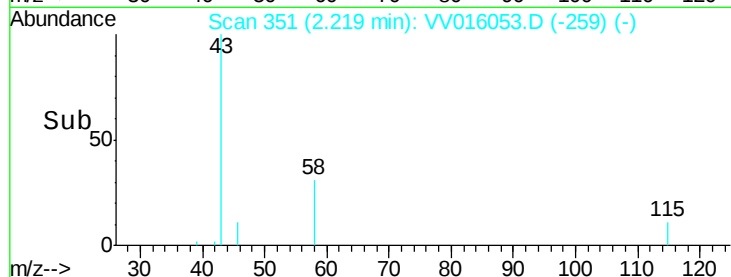
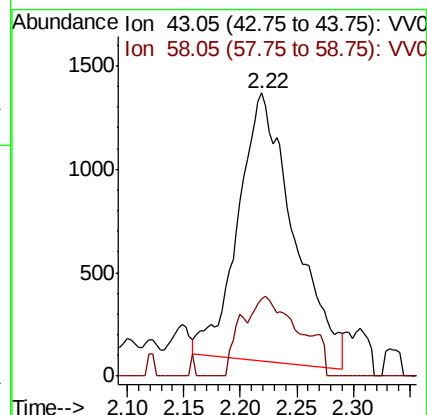
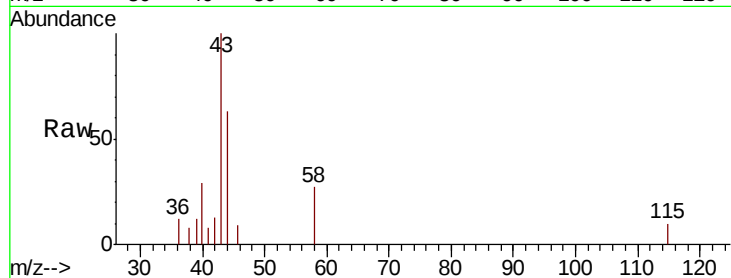
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4436

Ion Ratio Lower Upper

43 100

58 12.6 0.0 30.8



#22

cis-1,2-Dichloroethene

Concen: 0.156 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

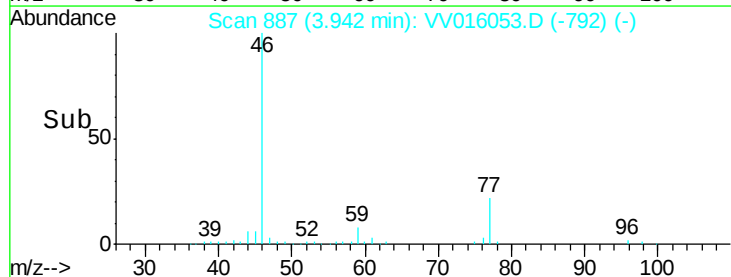
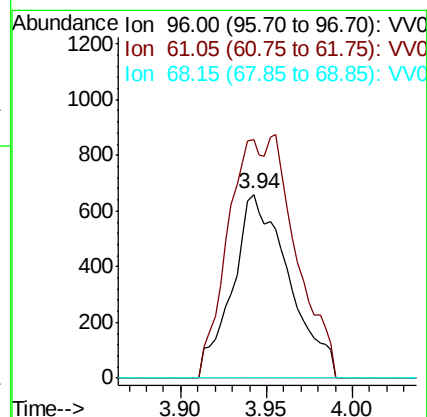
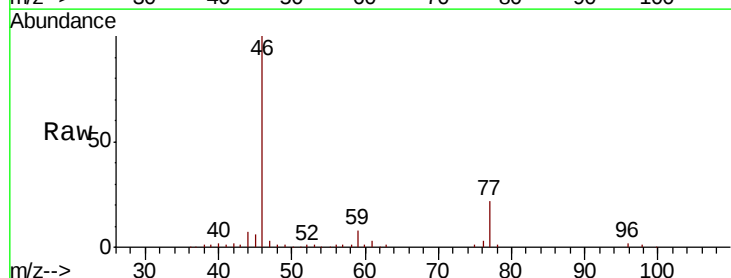
Tgt Ion: 96 Resp: 1510

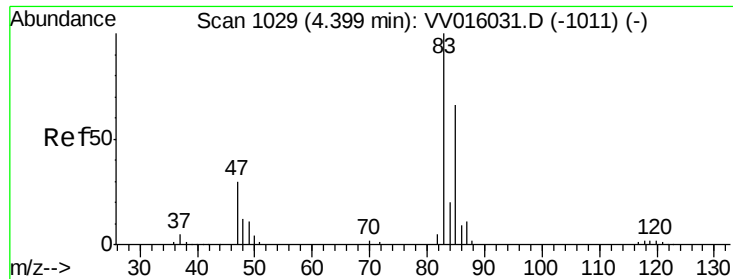
Ion Ratio Lower Upper

96 100

61 129.8 97.2 180.6

68 0.0 0.0 0.0

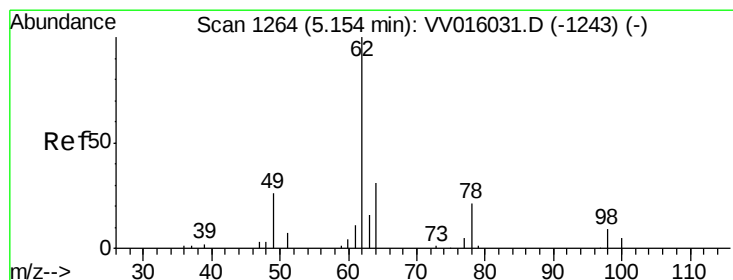
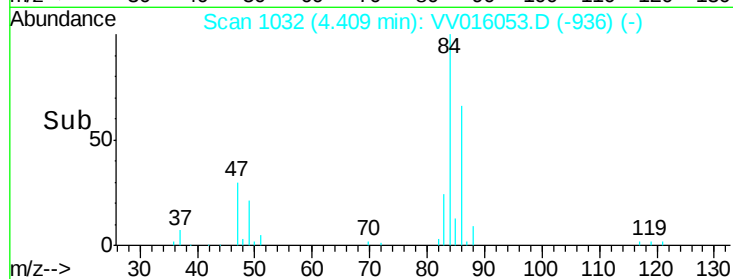
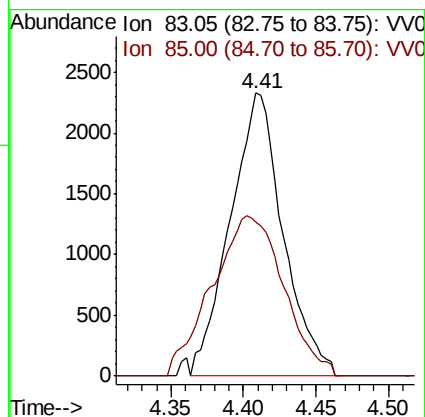
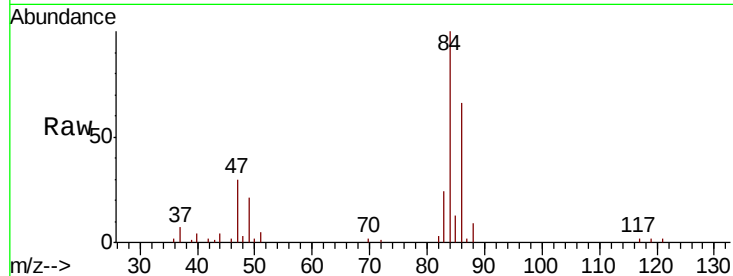




#25
Chloroform
Concen: 0.302 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016053.D
Acq: 13 May 2020 20:22

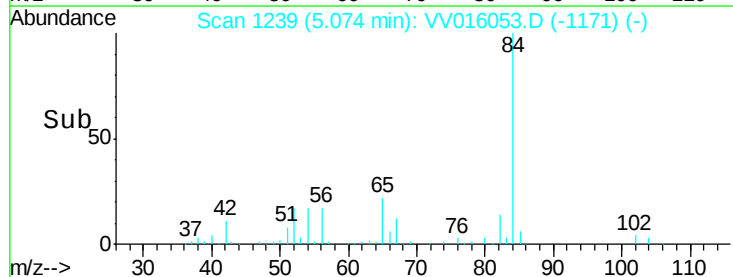
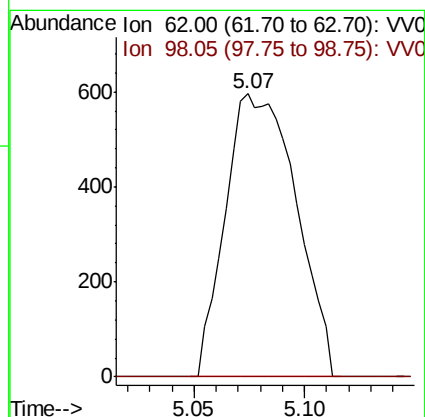
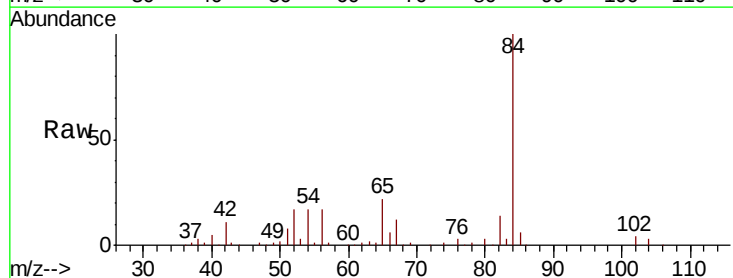
Instrument :
MSVOA_V
ClientSampled :

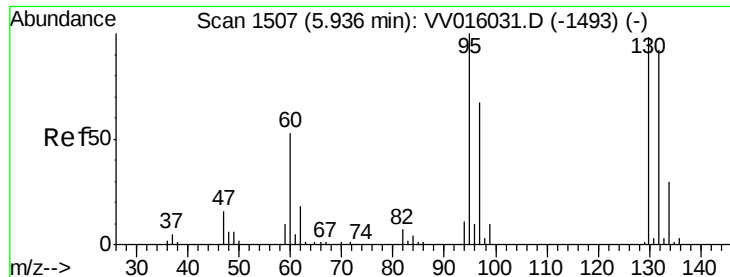
Tot Ion: 83 Resp: 5920
Ion Ratio Lower Upper
83 100
85 54.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.110 ug/L
RT: 5.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: VV016053.D
Acq: 13 May 2020 20:22

Tgt Ion: 62 Resp: 1322
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

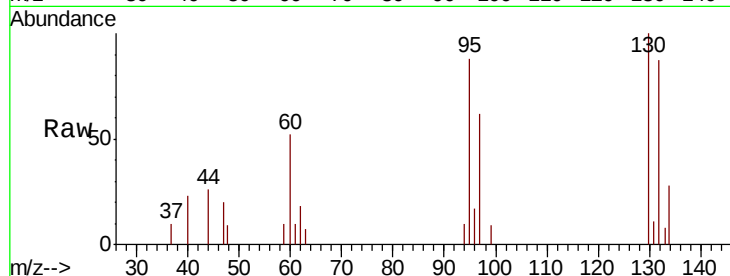




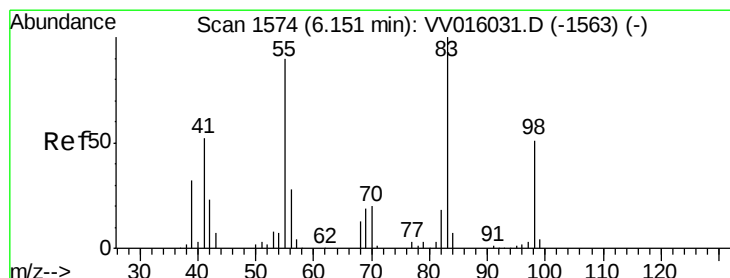
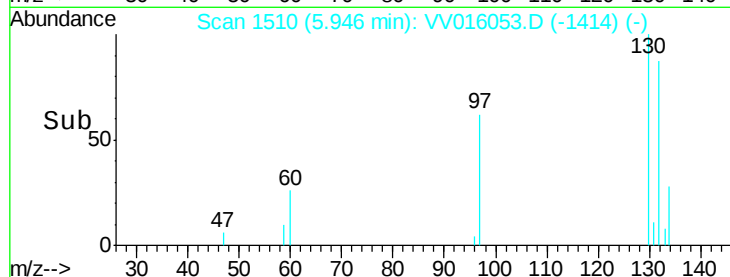
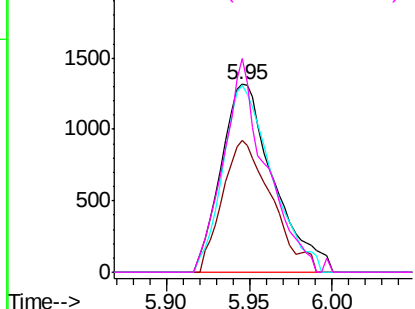
#34
 Trichloroethene
 Concen: 0.263 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV016053.D
 Acq: 13 May 2020 20:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 2900
 Ion Ratio Lower Upper
 95 100
 97 70.2 43.3 80.5
 132 99.5 60.3 112.1
 130 113.9 66.0 122.6

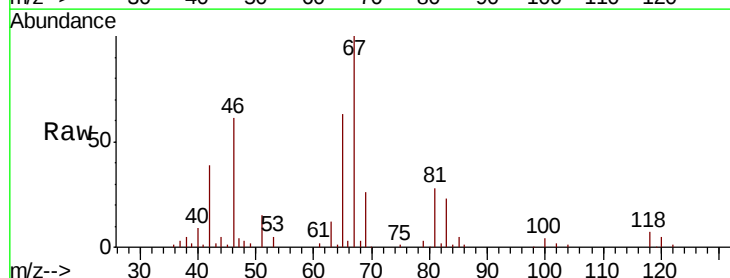


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

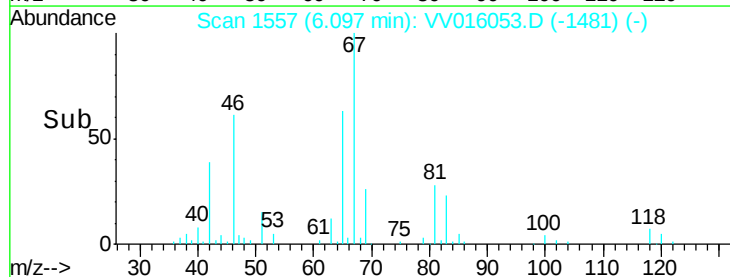
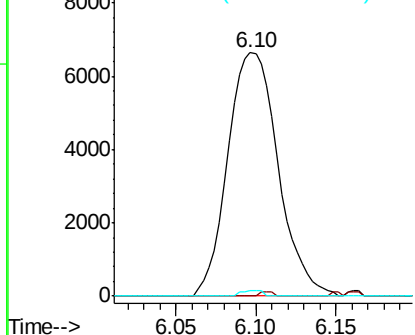


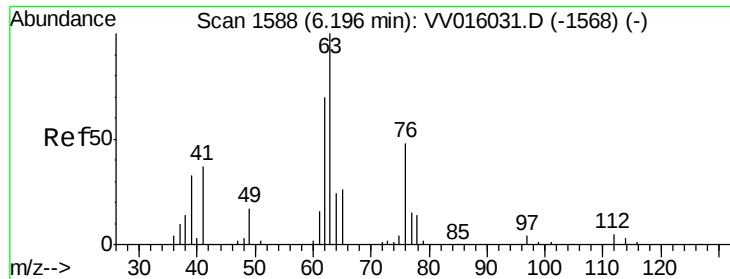
#35
 Methylcyclohexane
 Concen: 0.858 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016053.D
 Acq: 13 May 2020 20:22

Tgt Ion: 83 Resp: 14306
 Ion Ratio Lower Upper
 83 100
 55 0.5 66.2 99.2#
 98 0.9 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: 0.709 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.10 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

Instrument :

MSVOA_V

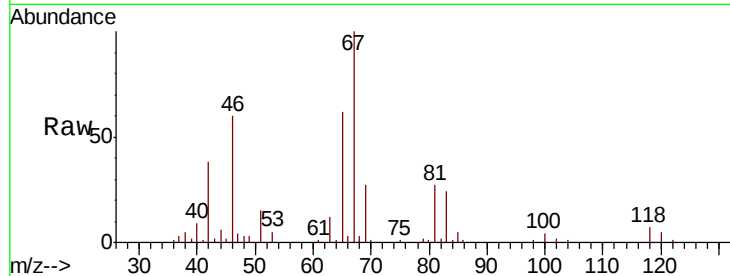
ClientSampleId :

Tot Ion: 63 Resp: 6955

Ion Ratio Lower Upper

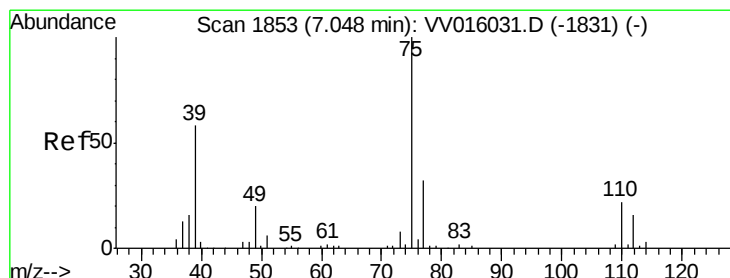
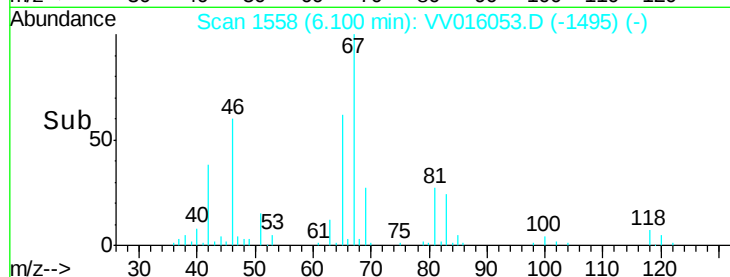
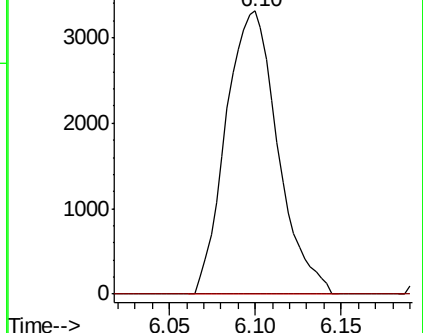
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016031.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV016031.D (-1568) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV016053.D

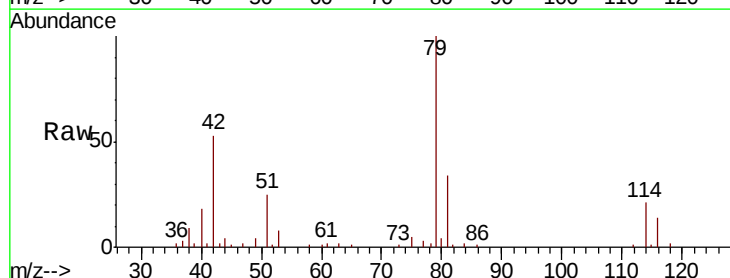
Acq: 13 May 2020 20:22

Tgt Ion: 75 Resp: 1445

Ion Ratio Lower Upper

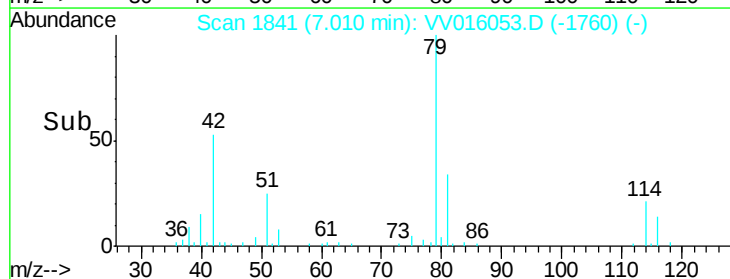
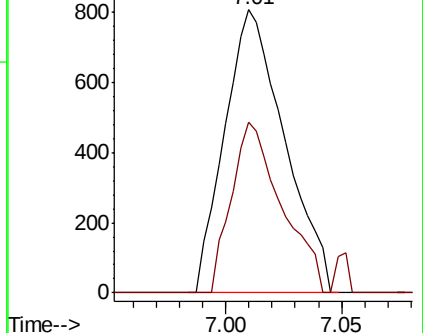
75 100

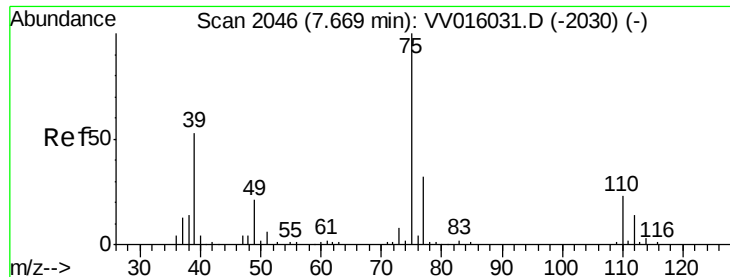
77 60.2 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV016031.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV016031.D (-1831) (-)





#46

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

Instrument :

MSVOA_V

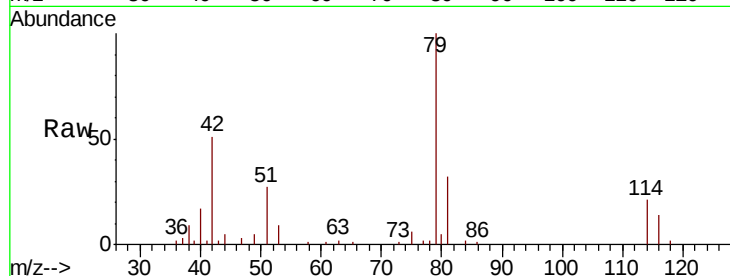
ClientSampleId :

Tot Ion: 75 Resp: 914

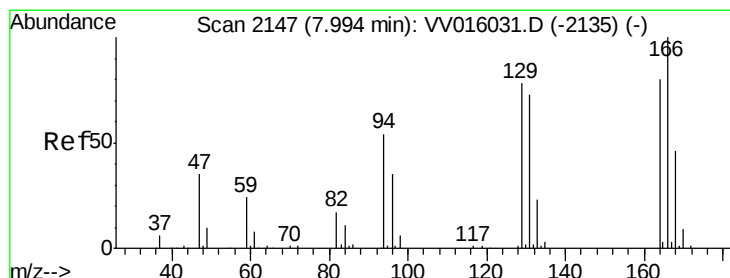
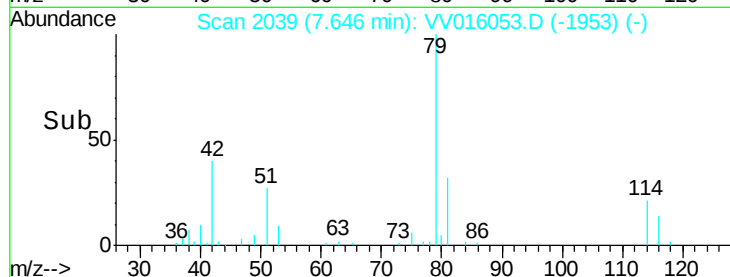
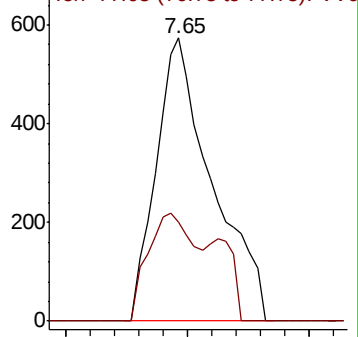
Ion Ratio Lower Upper

75 100

77 34.9 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016031.D (-2030) (-)



#49

Tetrachloroethene

Concen: 2.363 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016053.D

Acq: 13 May 2020 20:22

Tgt Ion: 164 Resp: 18170

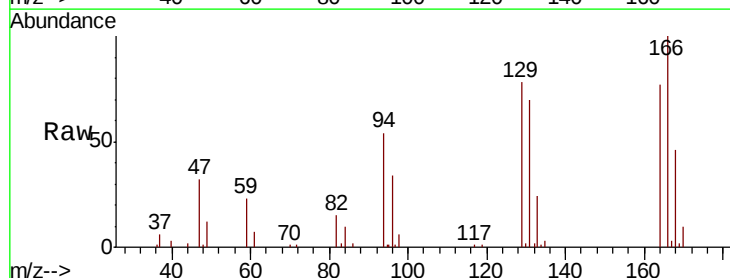
Ion Ratio Lower Upper

164 100

129 101.7 69.7 129.4

131 91.0 66.8 124.2

166 130.2 89.1 165.5

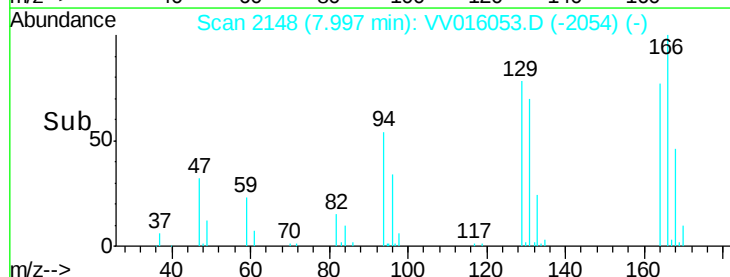
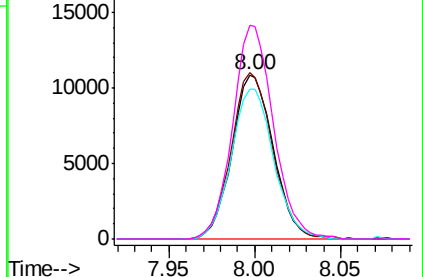


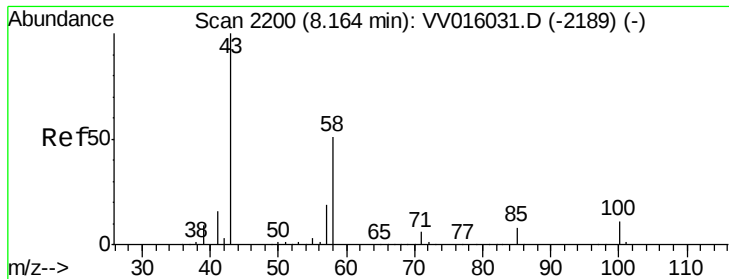
Abundance Ion 163.90 (163.60 to 164.60): VV016031.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV016031.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV016031.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV016031.D (-2135) (-)

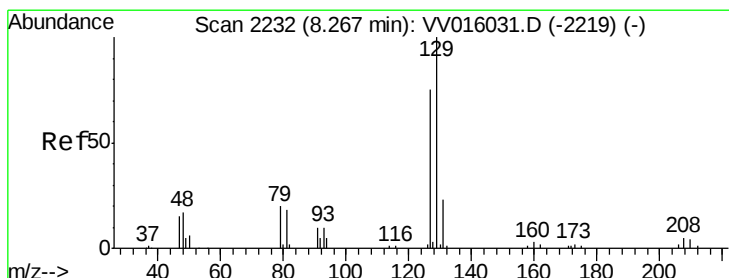
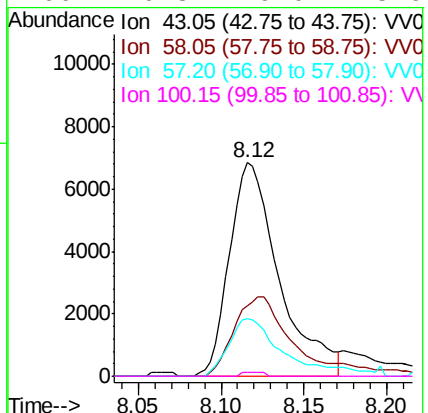
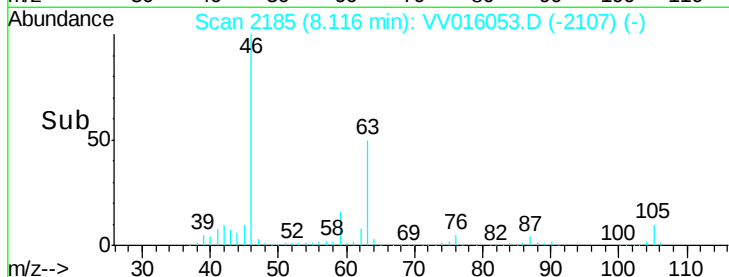
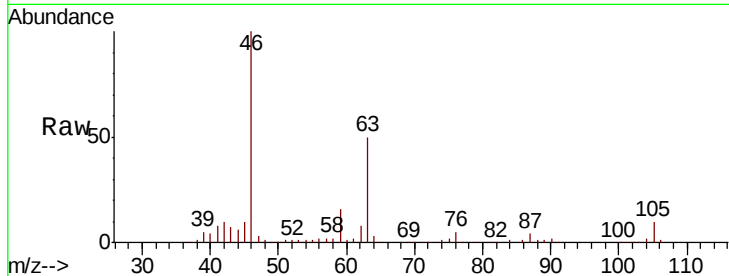




#50
2-Hexanone
Concen: 3.312 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016053.D
Acq: 13 May 2020 20:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 14319
Ion Ratio Lower Upper
43 100
58 46.0 40.8 61.2
57 29.5 14.7 22.1#
100 0.8 9.0 13.6#



#51
Dibromochloromethane
Concen: 2.484 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016053.D
Acq: 13 May 2020 20:22

Tgt Ion: 129 Resp: 18288
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

