

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016064.D
 Acq On : 14 May 2020 12:38
 Operator : SY/MD
 Sample : L2598-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:29:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	145072	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146214	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66686	5.00	ug/L	0.00

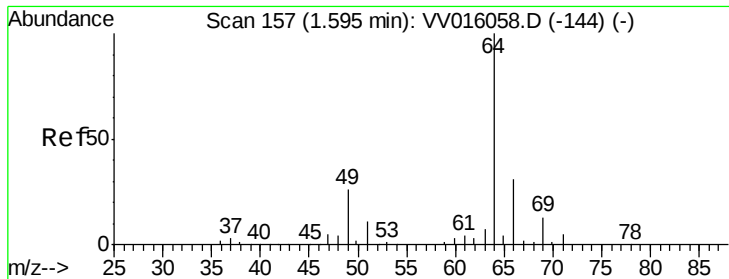
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41947	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.58	69	41799	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.13	63	69046	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	3.94	46	119928	53.42	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.84%
24) Chloroform-d	4.38	84	91125	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.06	65	50994	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.08	84	176147	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.10	67	55765	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.34	98	153980	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
45) trans-1,3-Dichloropropene-	7.65	79	18256	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
48) 2-Hexanone-d5	8.12	63	89329	48.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38837	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	55688	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.58	64	715	0.093	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1287	0.154	ug/L #	68
12) 1,1-Dichloroethene	2.14	96	9760	1.223	ug/L #	15
22) cis-1,2-Dichloroethene	3.95	96	910	0.099	ug/L	99
25) Chloroform	4.41	83	4956	0.265	ug/L	85
34) Trichloroethene	5.95	95	2457	0.234	ug/L	92
35) Methylcyclohexane	6.10	83	14317	0.901	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	7091	0.759	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1656	0.125	ug/L #	66
46) trans-1,3-Dichloropropene	7.65	75	756	0.068	ug/L #	60
49) Tetrachloroethene	8.00	164	16292	2.224	ug/L	97
50) 2-Hexanone	8.12	43	15473	3.756	ug/L #	79
51) Dibromochloromethane	8.00	129	16339	2.330	ug/L #	9

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



#8

Chloroethane

Concen: 0.093 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV016064.D

Acq: 14 May 2020 12:38

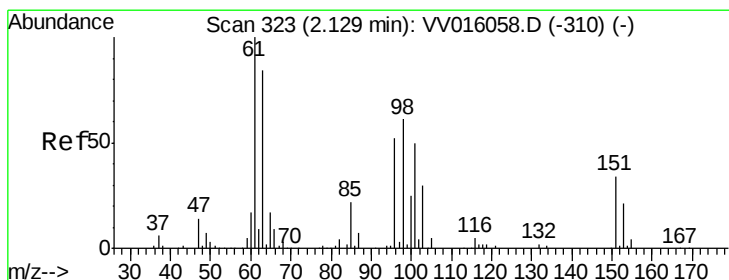
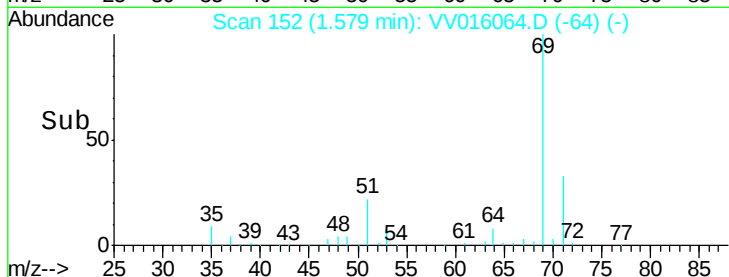
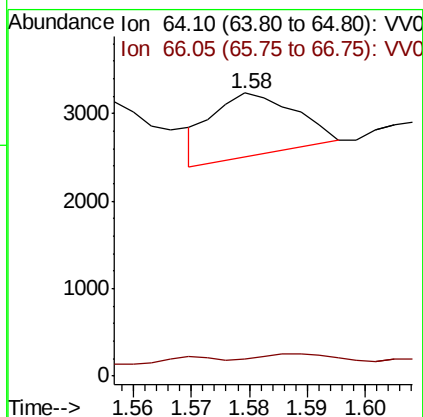
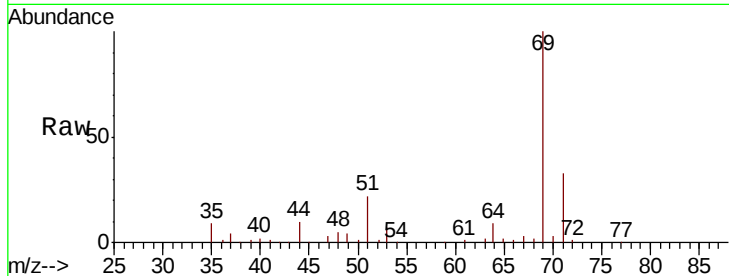
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 715

Ion Ratio Lower Upper

64 100

66 5.9 23.6 43.8#



#10

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

Concen: 0.154 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016064.D

Acq: 14 May 2020 12:38

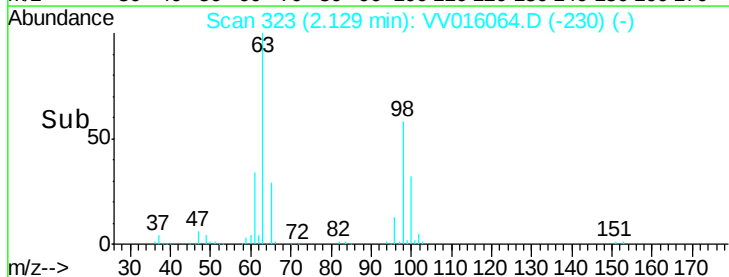
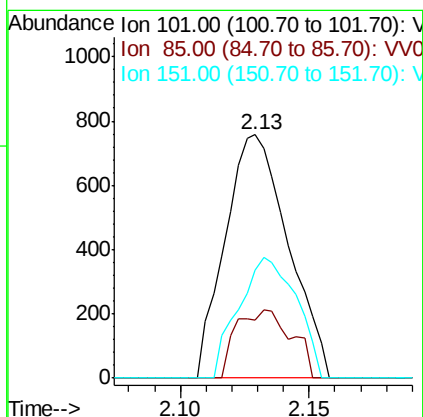
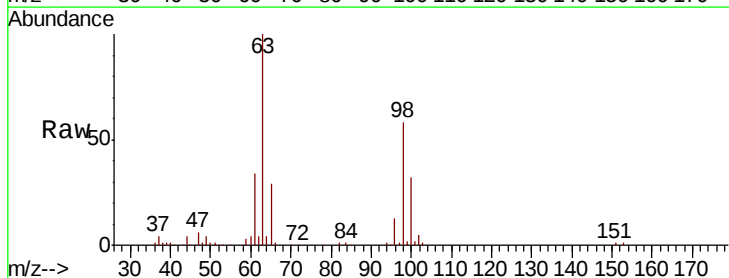
Tgt Ion:101 Resp: 1287

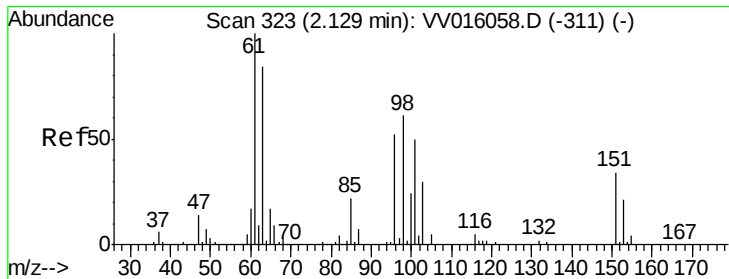
Ion Ratio Lower Upper

101 100

85 24.5 35.7 53.5#

151 45.5 58.0 87.0#

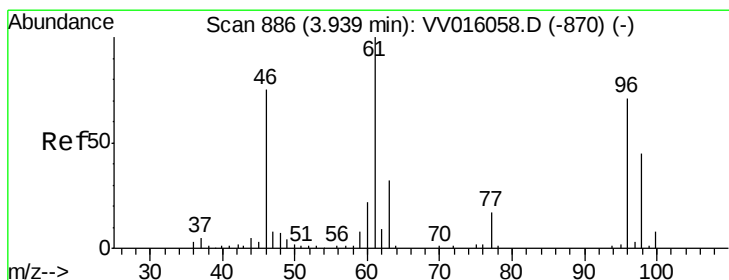
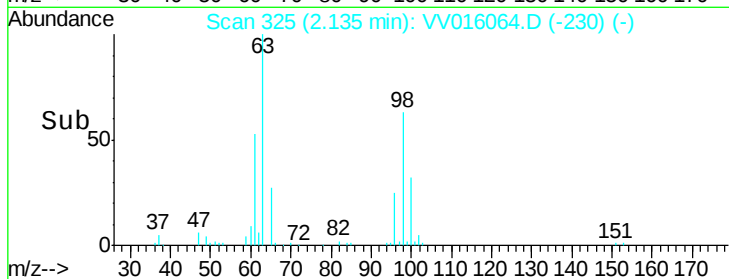
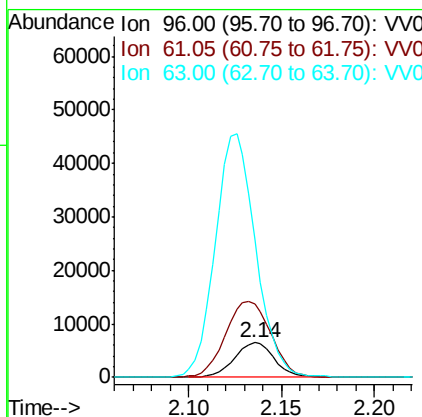
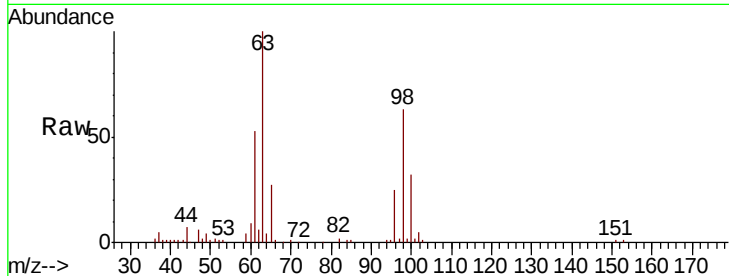




#12
 1,1-Dichloroethene
 Concen: 1.223 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VV016064.D
 Acq: 14 May 2020 12:38

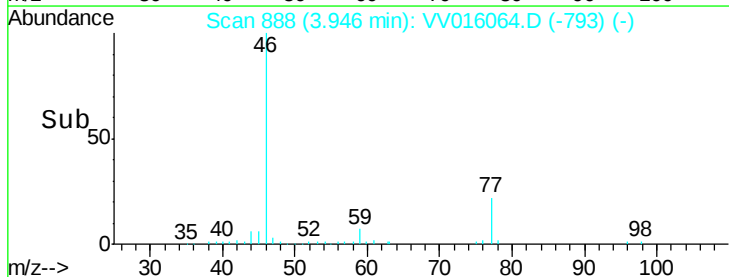
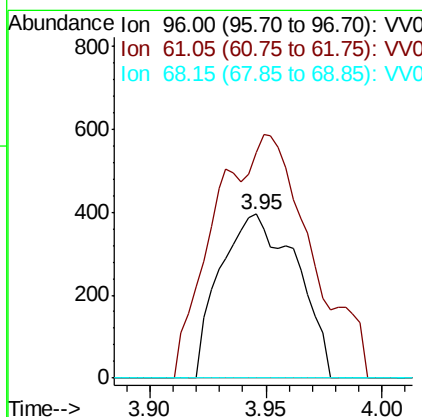
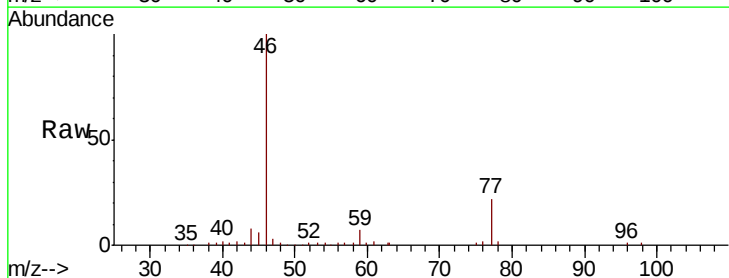
Instrument :
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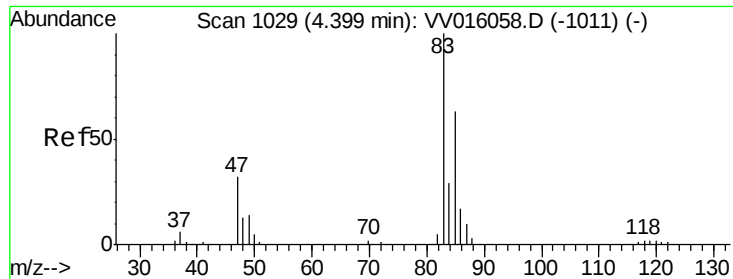
Tot Ion: 96 Resp: 9760
 Ion Ratio Lower Upper
 96 100
 61 209.7 139.9 259.7
 63 392.5 106.4 197.6#



#22
 cis-1,2-Dichloroethene
 Concen: 0.099 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV016064.D
 Acq: 14 May 2020 12:38

Tgt Ion: 96 Resp: 910
 Ion Ratio Lower Upper
 96 100
 61 137.4 97.2 180.6
 68 0.0 0.0 0.0

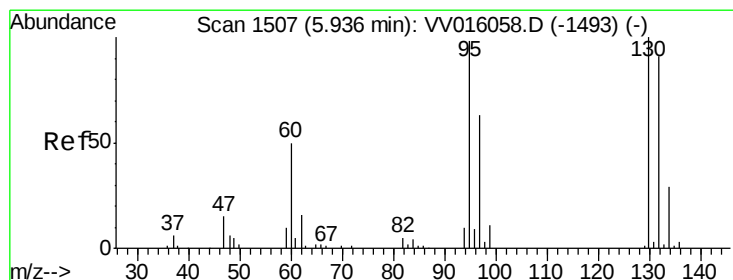
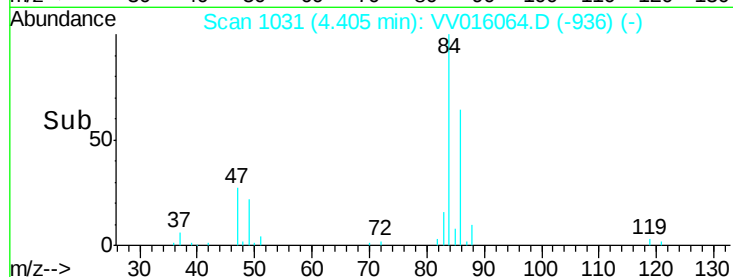
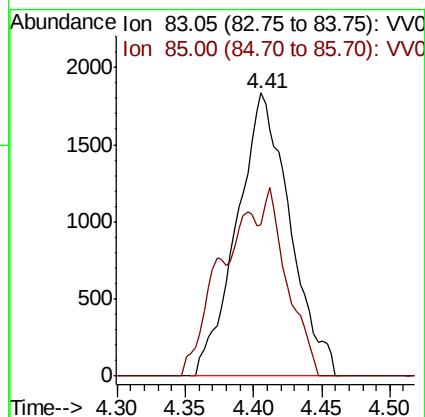
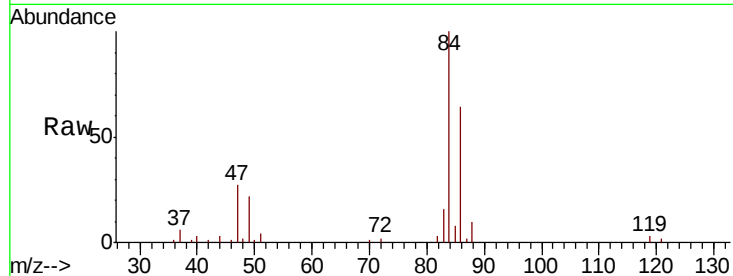




#25
Chloroform
Concen: 0.265 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016064.D
Acq: 14 May 2020 12:38

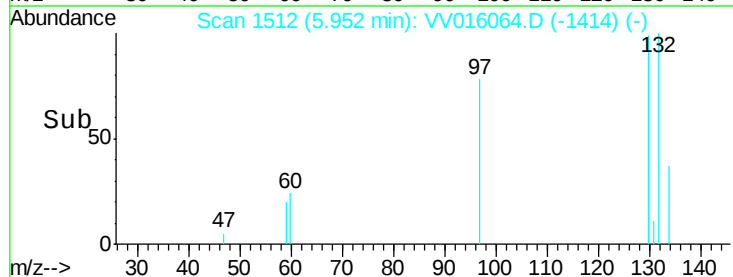
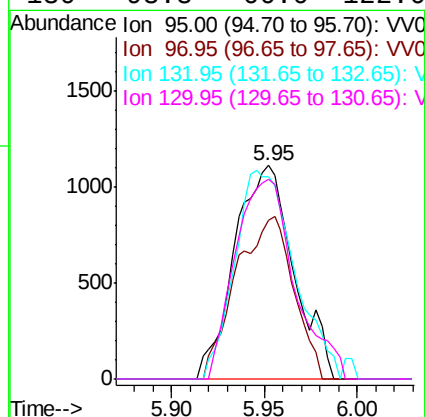
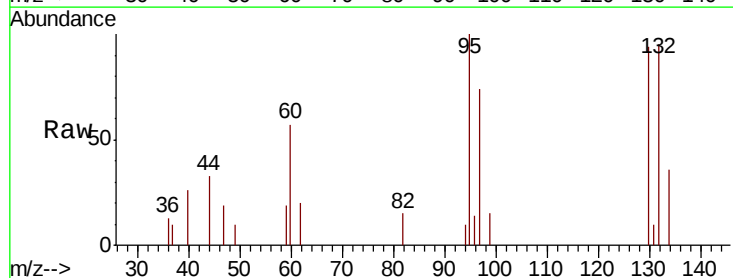
Instrument :
MSVOA_V
ClientSampled :

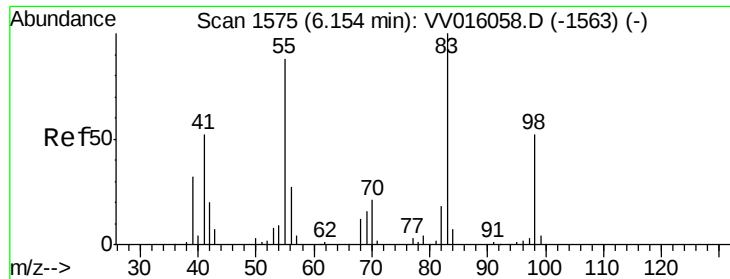
Tot Ion: 83 Resp: 4956
Ion Ratio Lower Upper
83 100
85 53.6 45.7 84.9



#34
Trichloroethene
Concen: 0.234 ug/L
RT: 5.95 min Scan# 1512
Delta R.T. 0.02 min
Lab File: VV016064.D
Acq: 14 May 2020 12:38

Tgt Ion: 95 Resp: 2457
Ion Ratio Lower Upper
95 100
97 74.2 43.3 80.5
132 95.0 60.3 112.1
130 93.8 66.0 122.6

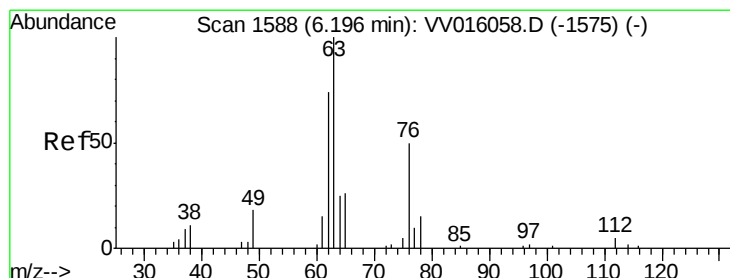
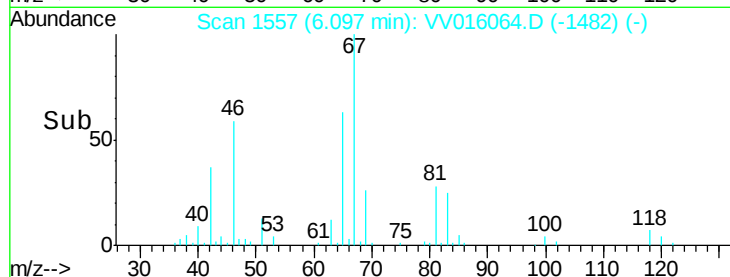
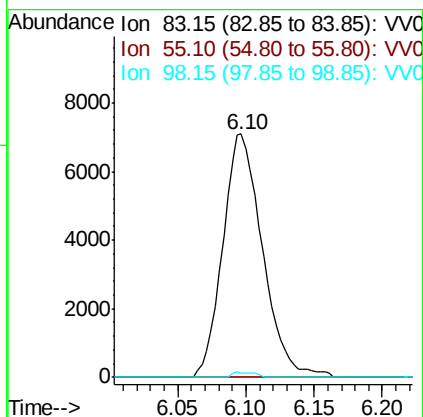
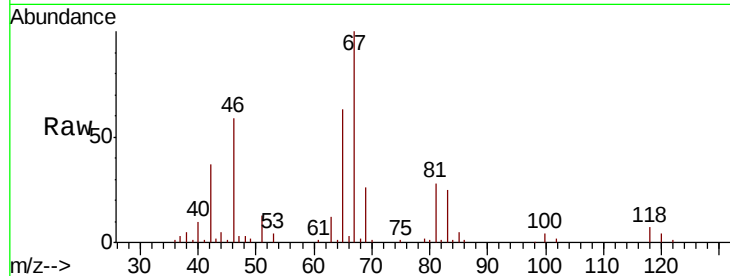




#35
Methvlcvclohexane
Concen: 0.901 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016064.D
Acq: 14 May 2020 12:38

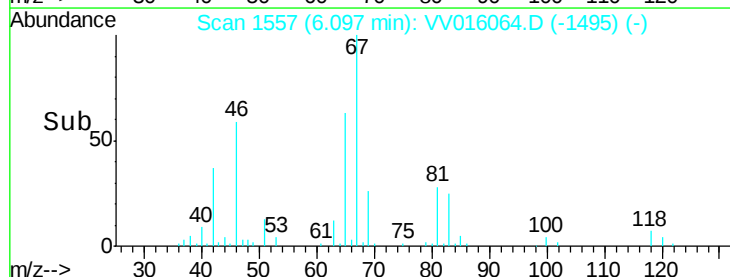
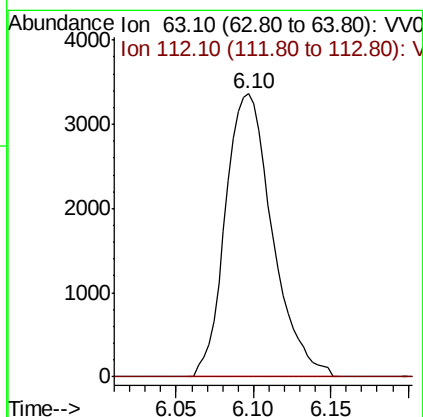
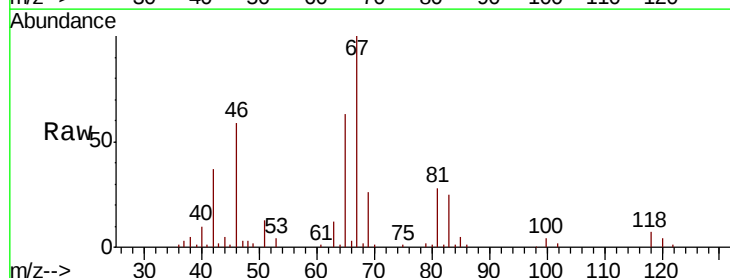
Instrument :
MSVOA_V
ClientSampleId :

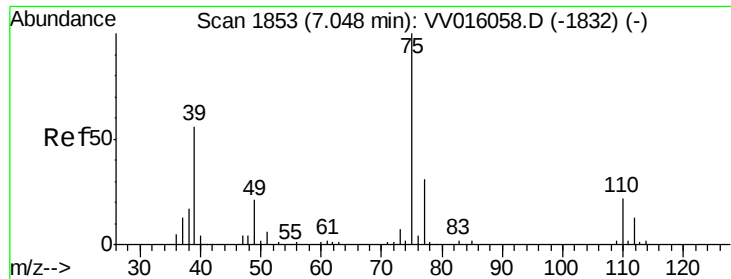
Tot Ion: 83 Resp: 14317
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.2#
98 1.2 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.759 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016064.D
Acq: 14 May 2020 12:38

Tgt Ion: 63 Resp: 7091
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

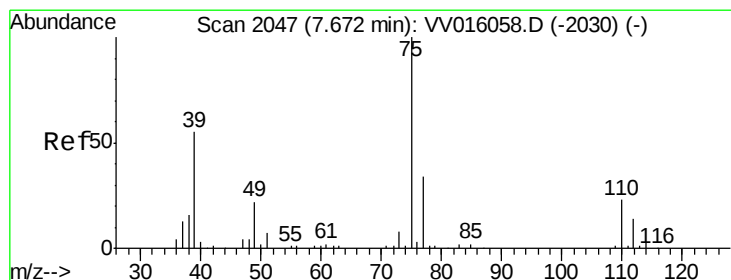
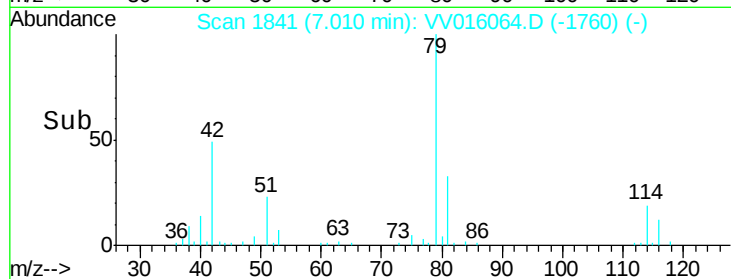
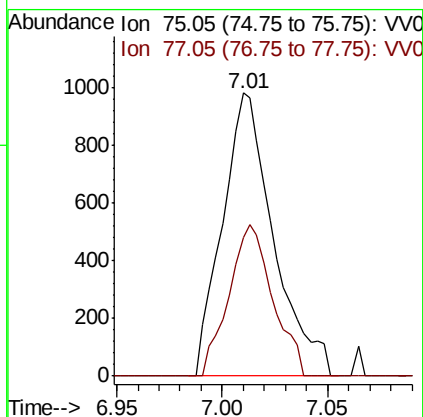
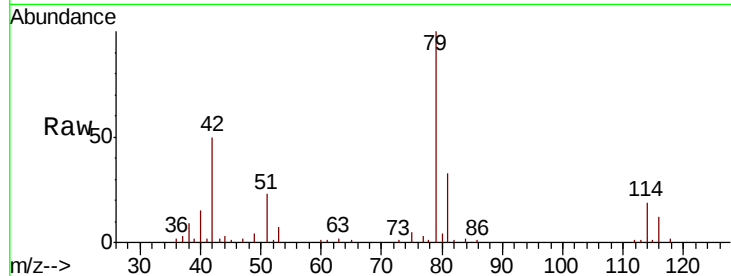




#39
 cis-1,3-Dichloropropene
 Concen: 0.125 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016064.D
 Acq: 14 May 2020 12:38

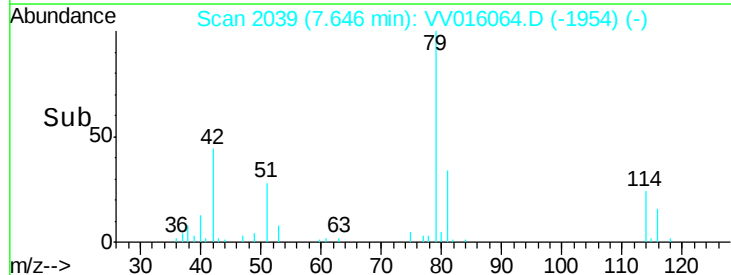
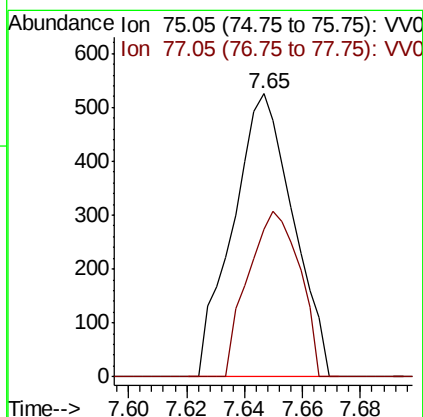
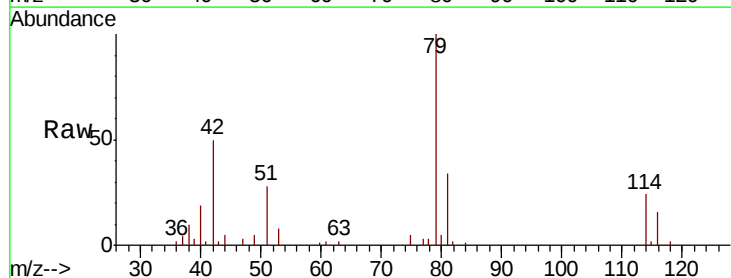
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 MSVOA_V
 ClientSampled :

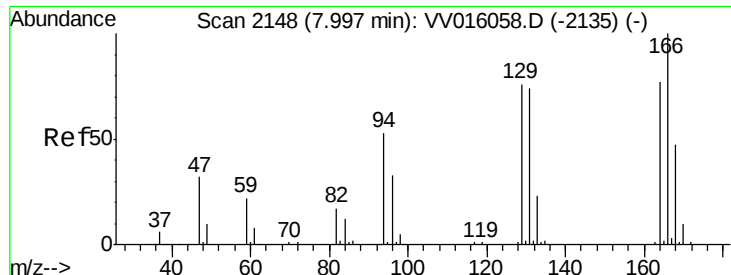
Tot Ion: 75 Resp: 1656
 Ion Ratio Lower Upper
 75 100
 77 49.0 21.3 39.5#



#46
 trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016064.D
 Acq: 14 May 2020 12:38

Tgt Ion: 75 Resp: 756
 Ion Ratio Lower Upper
 75 100
 77 52.4 21.3 39.6#





#49

Tetrachloroethene

Concen: 2.224 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016064.D

Acq: 14 May 2020 12:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 16292

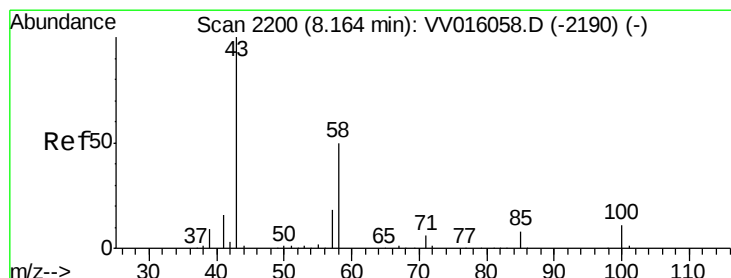
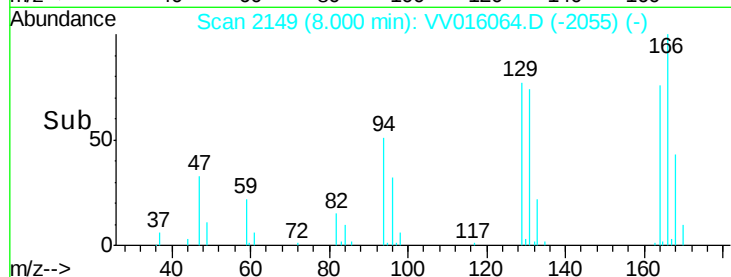
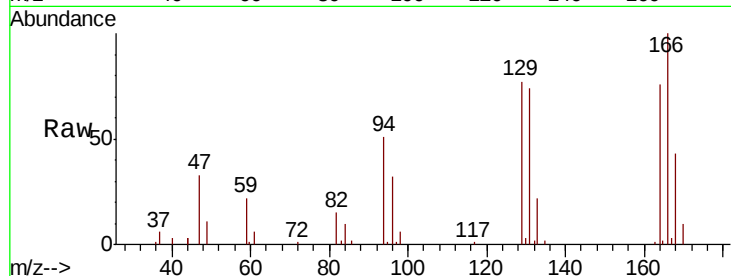
Ion Ratio Lower Upper

164 100

129 101.5 69.7 129.4

131 97.2 66.8 124.2

166 131.7 89.1 165.5



#50

2-Hexanone

Concen: 3.756 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016064.D

Acq: 14 May 2020 12:38

Tgt Ion: 43 Resp: 15473

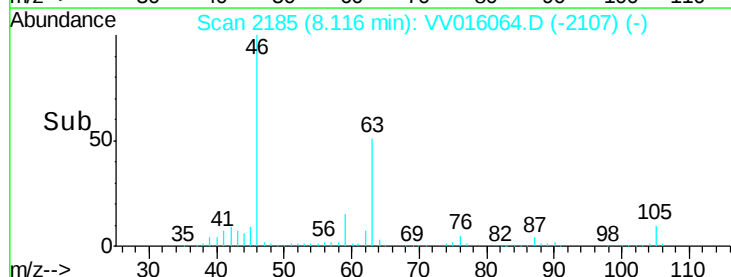
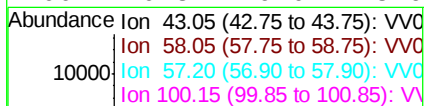
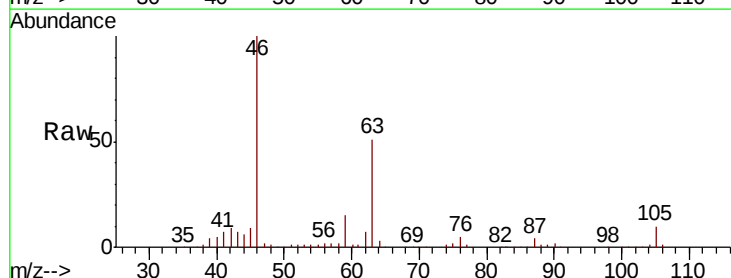
Ion Ratio Lower Upper

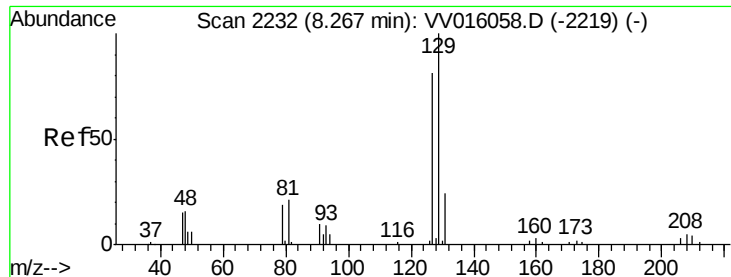
43 100

58 35.6 40.8 61.2#

57 24.9 14.7 22.1#

100 0.3 9.0 13.6#





#51

Dibromochloromethane

Concen: 2.330 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016064.D

Acq: 14 May 2020 12:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 16339

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

