

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014319.D
 Acq On : 16 Jan 2020 14:08
 Operator : SY/MD
 Sample : L1156-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 05:33:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	815398	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	743662	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	341910	5.00	ug/L	0.00

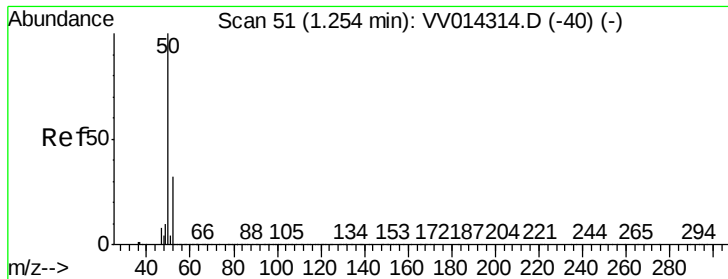
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	227502	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.59	69	189752	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	278223	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	3.96	46	656660	47.91	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	4.40	84	492890	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	251989	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.10	84	1064664	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	338662	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	946795	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.66	79	135953	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.13	63	588523	45.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	229031	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	303861	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.26	50	11731	0.192	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2569	0.070	ug/L #	33
19) 1,1-Dichloroethane	3.23	63	10006	0.093	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	116245	1.937	ug/L #	93
25) Chloroform	4.43	83	39757	0.387	ug/L	95
31) Carbon tetrachloride	4.88	117	16426	0.217	ug/L	97
34) Trichloroethene	5.96	95	415746	7.064	ug/L	99
35) Methylcyclohexane	6.11	83	79215	0.823	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	35261	0.610	ug/L #	88
44) trans-1,3-Dichloropropene	7.67	75	6664	0.093	ug/L	94
47) Tetrachloroethene	8.02	164	26968	0.671	ug/L	93
48) 2-Hexanone	8.13	43	72288	2.868	ug/L #	73
49) Dibromochloromethane	8.02	129	27346	0.586	ug/L #	10

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



#3

Chloromethane

Concen: 0.192 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

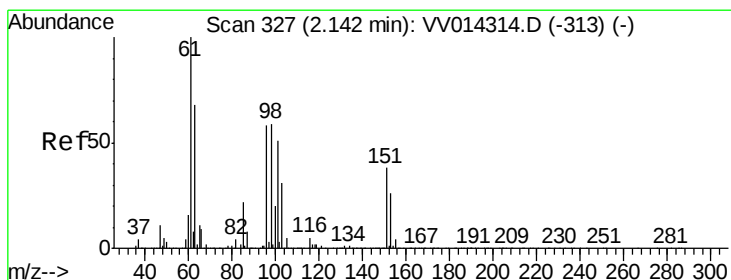
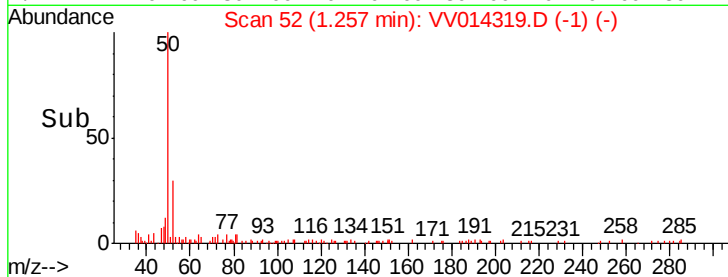
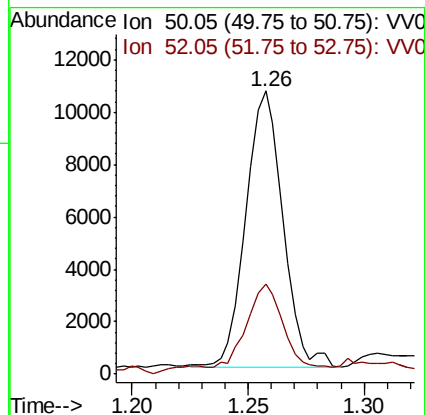
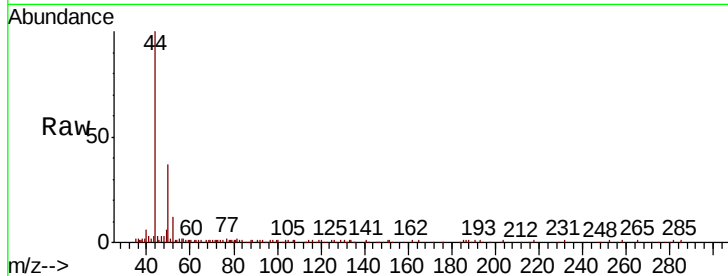
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 11731

Ion Ratio Lower Upper

50 100

52 31.6 22.3 41.3



#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

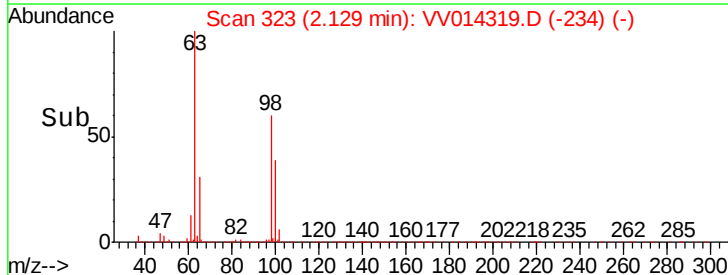
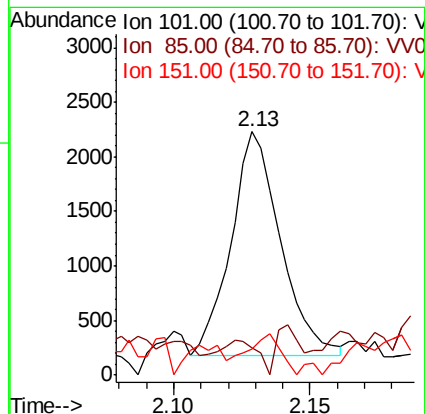
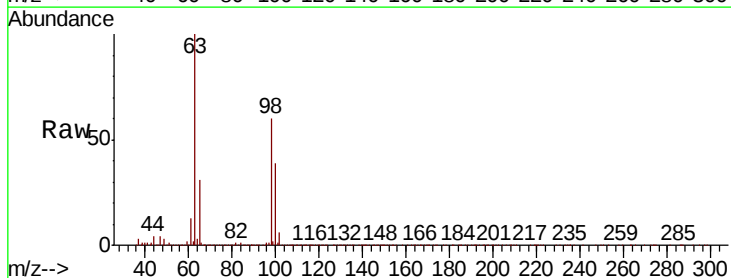
Tgt Ion: 101 Resp: 2569

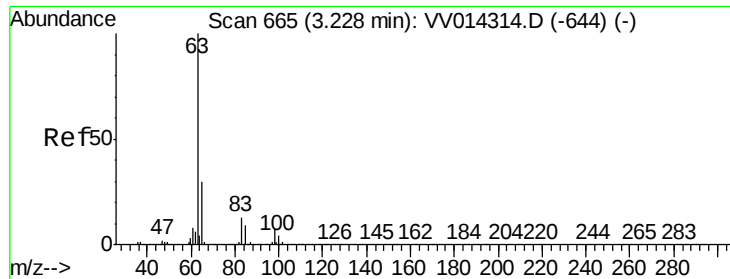
Ion Ratio Lower Upper

101 100

85 12.3 34.9 52.3#

151 11.4 62.5 93.7#





#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

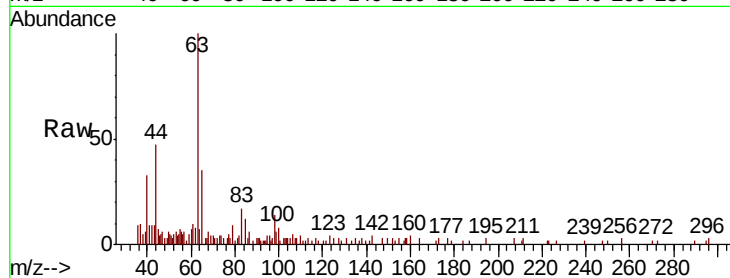
Tot Ion: 63 Resp: 10006

Ion Ratio Lower Upper

63 100

65 34.8 22.7 42.3

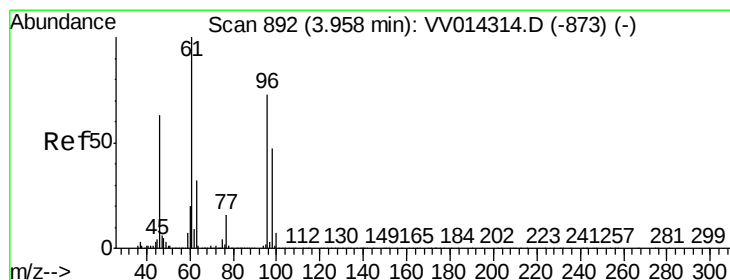
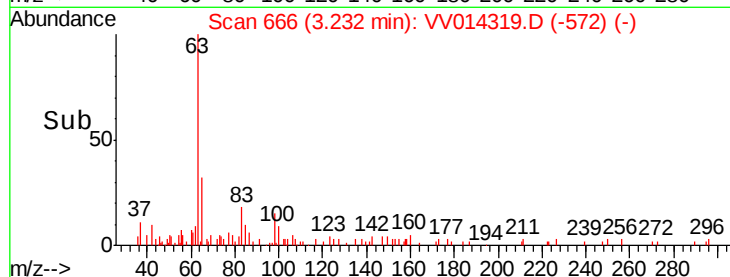
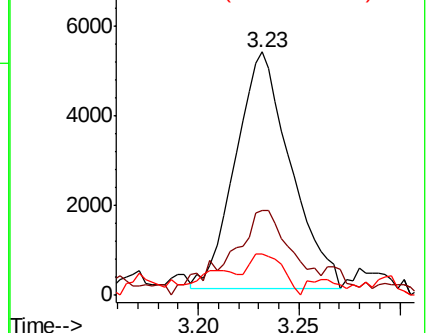
83 17.1 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 1.937 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

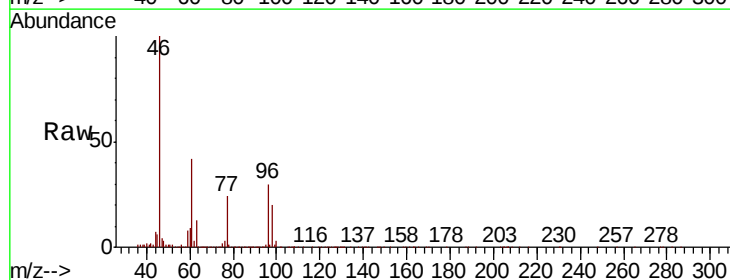
Tgt Ion: 96 Resp: 116245

Ion Ratio Lower Upper

96 100

61 137.8 90.6 168.3

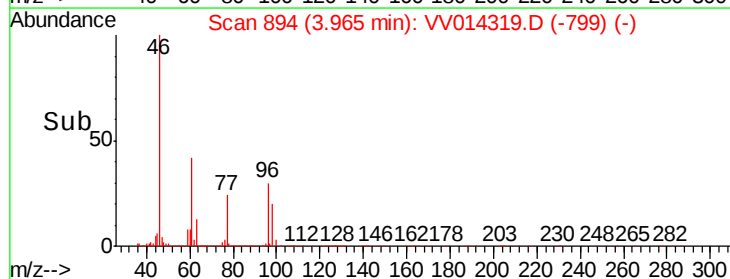
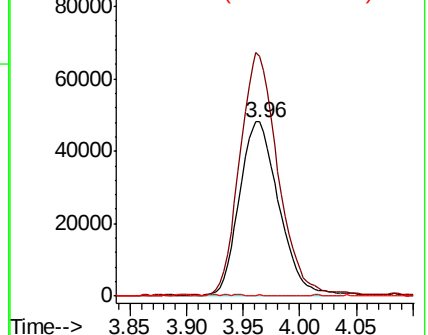
68 1.1 0.3 0.7#

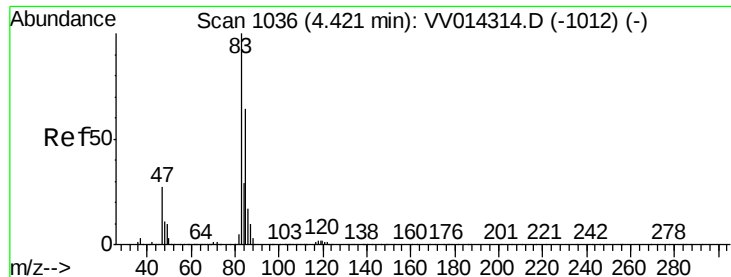


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

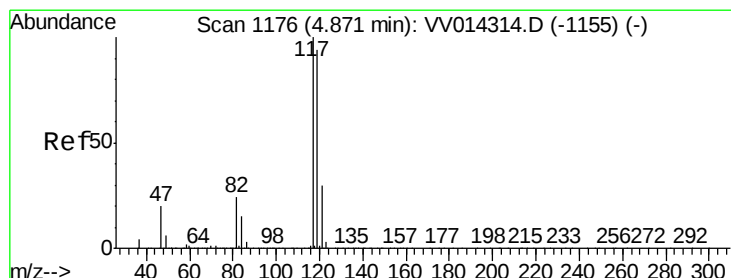
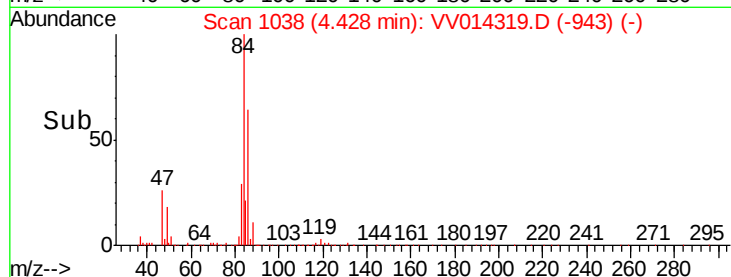
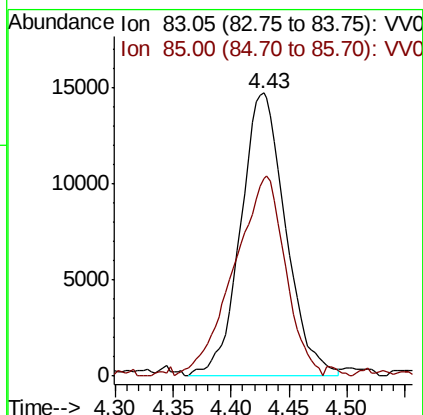
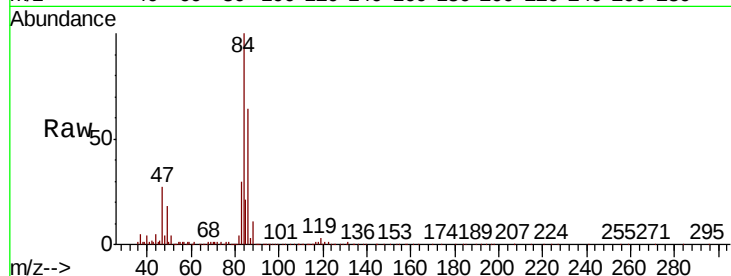




#25
Chloroform
Concen: 0.387 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014319.D
Acq: 16 Jan 2020 14:08

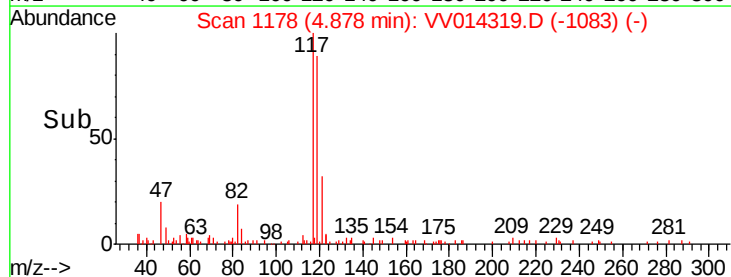
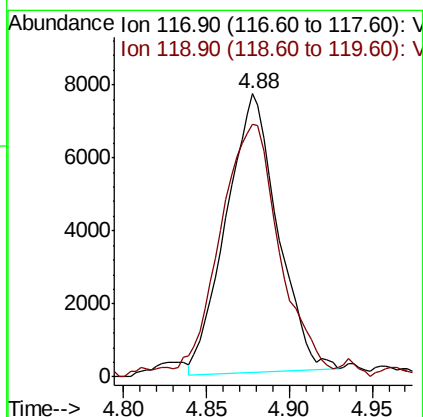
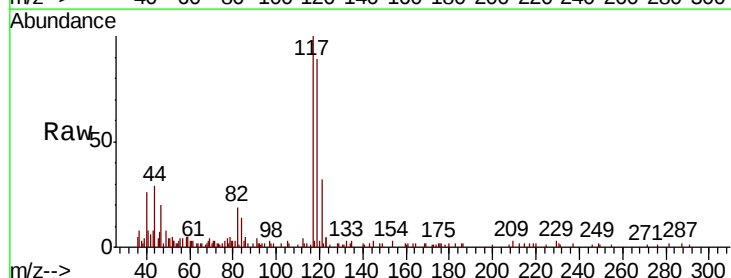
Instrument :
MSVOA_V
ClientSampleId :

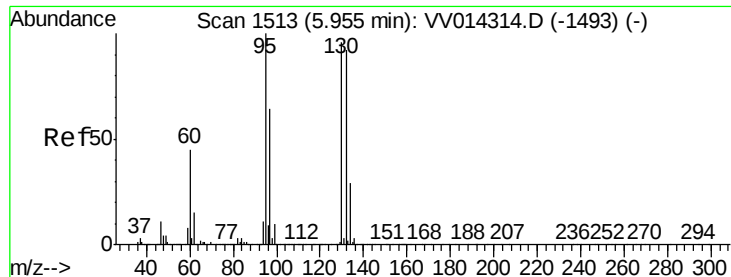
Tot Ion: 83 Resp: 39757
Ion Ratio Lower Upper
83 100
85 69.6 46.2 85.8



#31
Carbon tetrachloride
Concen: 0.217 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VV014319.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 117 Resp: 16426
Ion Ratio Lower Upper
117 100
119 99.0 76.8 115.2





#34

Trichloroethene

Concen: 7.064 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 415746

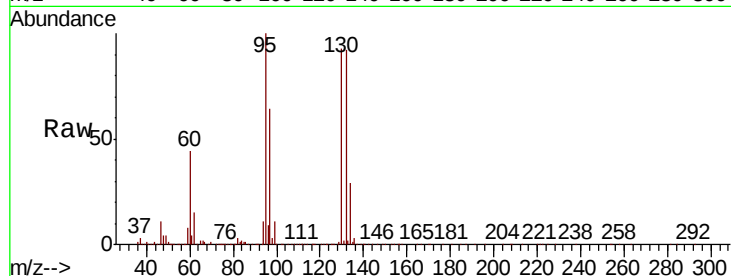
Ion Ratio Lower Upper

95 100

97 63.8 43.8 81.3

132 92.0 63.4 117.8

130 93.4 65.7 122.1

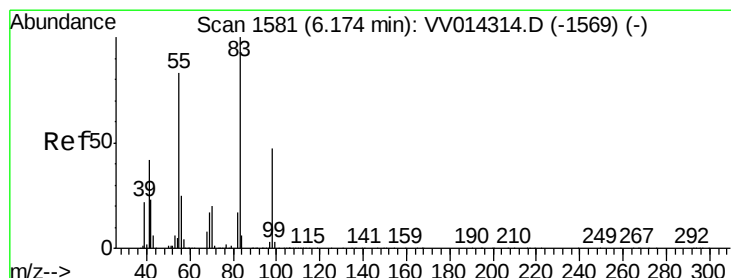
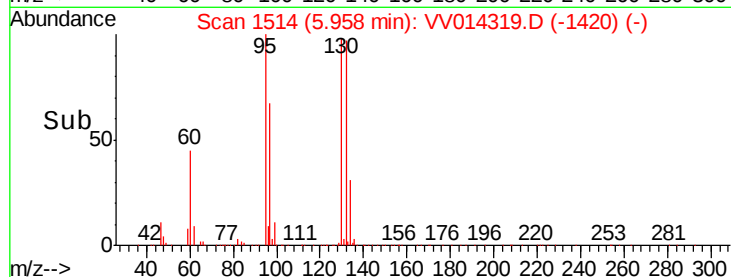
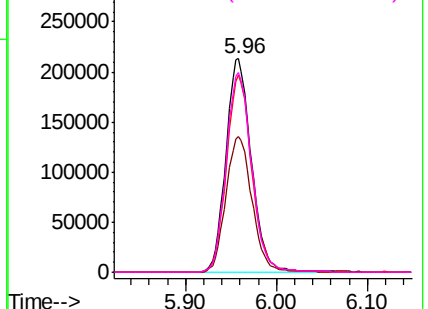


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.823 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

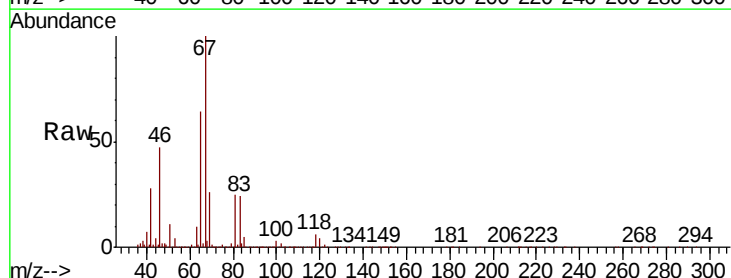
Tgt Ion: 83 Resp: 79215

Ion Ratio Lower Upper

83 100

55 0.7 61.7 92.5#

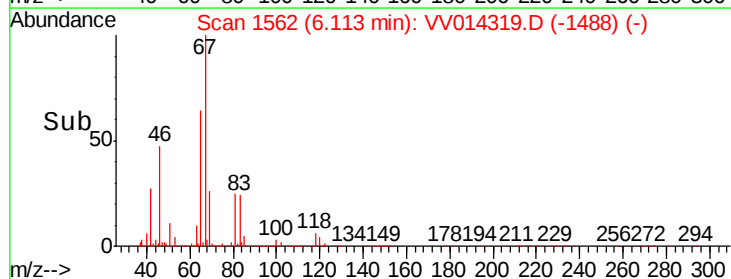
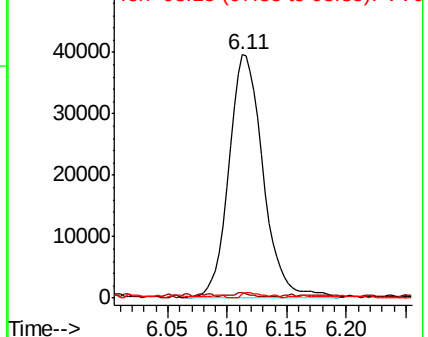
98 1.5 38.1 57.1#

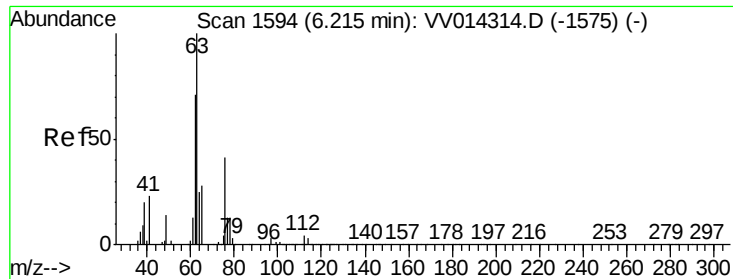


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

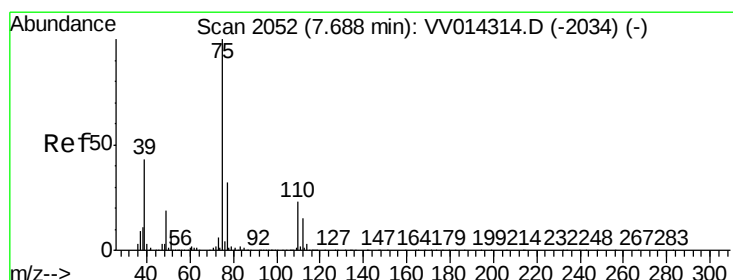
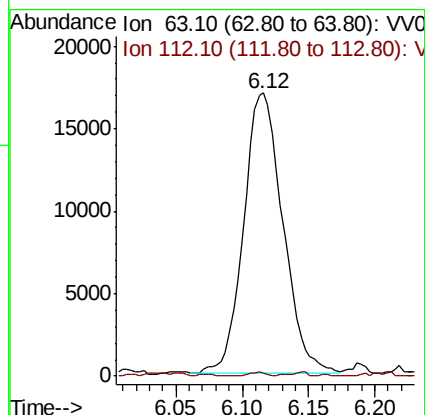
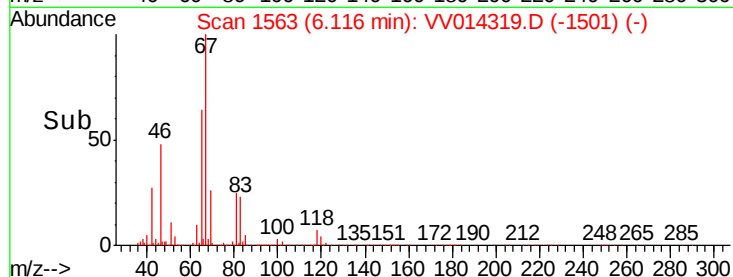
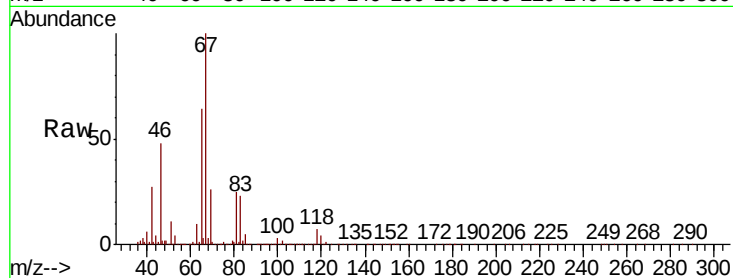




#37
 1,2-Dichloropropane
 Concen: 0.610 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV014319.D
 Acq: 16 Jan 2020 14:08

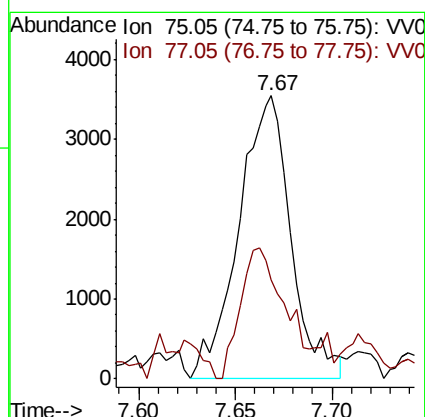
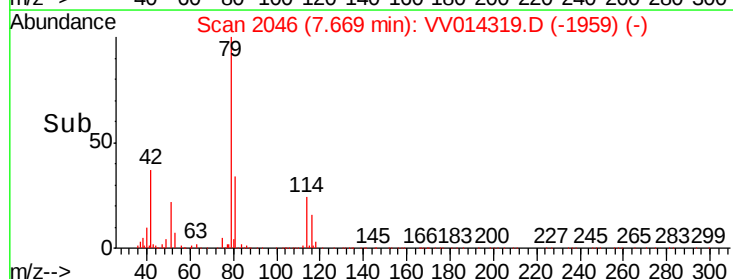
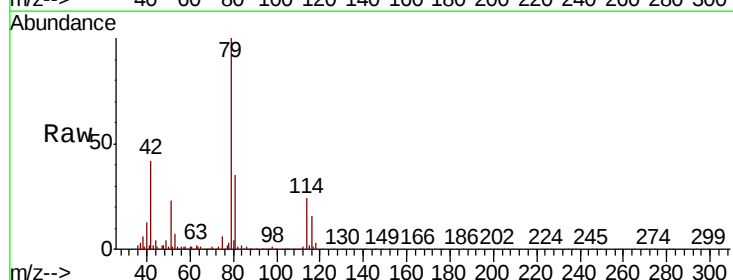
Instrument :
 MSVOA_V
 ClientSampleId :

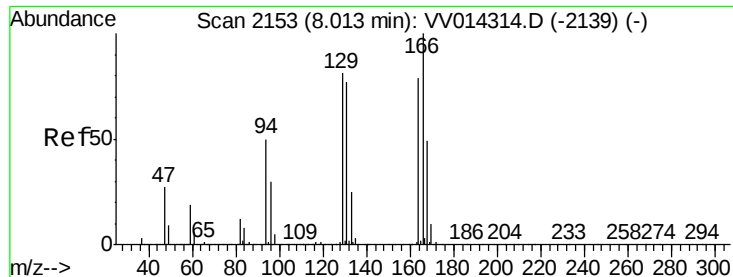
Tot Ion: 63 Resp: 35261
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.7 5.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.02 min
 Lab File: VV014319.D
 Acq: 16 Jan 2020 14:08

Tgt Ion: 75 Resp: 6664
 Ion Ratio Lower Upper
 75 100
 77 35.0 22.0 41.0

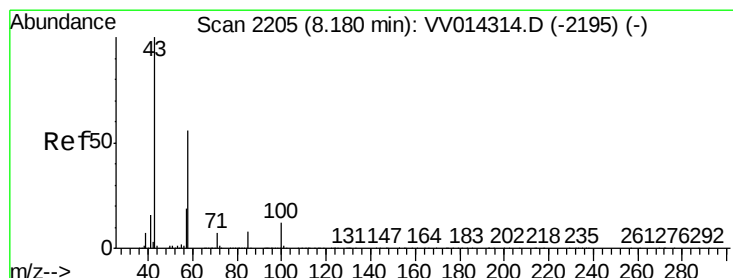
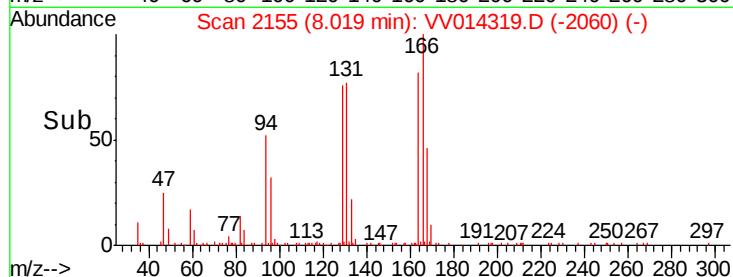
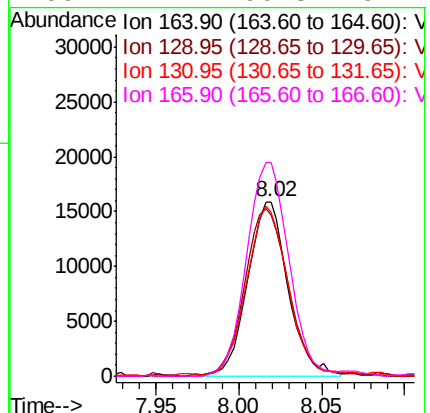
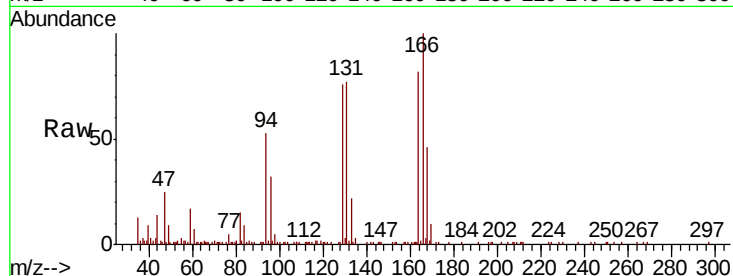




#47
Tetrachloroethene
Concen: 0.671 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.01 min
Lab File: VV014319.D
Acq: 16 Jan 2020 14:08

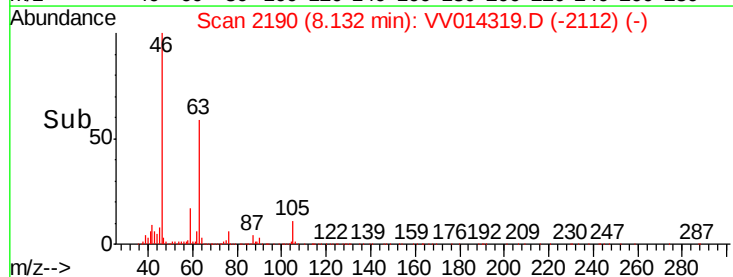
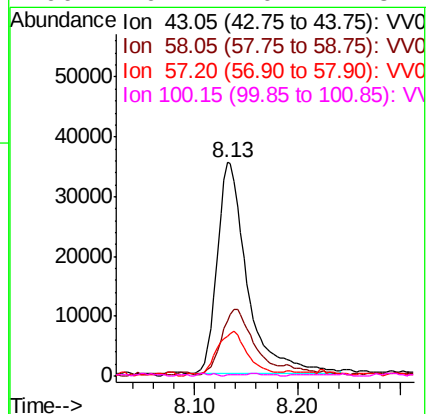
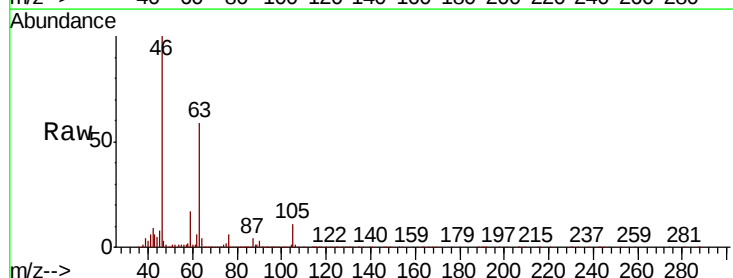
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MSVOA_V
ClientSampleId :

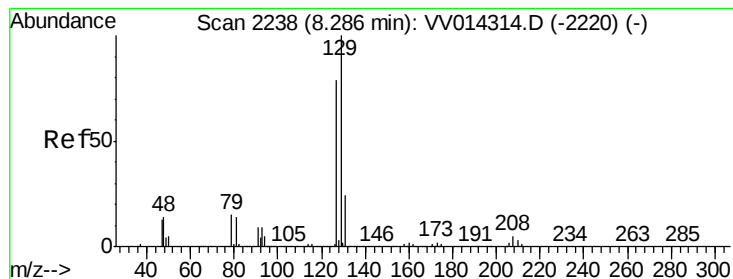
Tot Ion:164 Resp: 26968
Ion Ratio Lower Upper
164 100
129 92.6 71.7 133.3
131 94.1 70.4 130.8
166 122.2 90.3 167.7



#48
2-Hexanone
Concen: 2.868 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV014319.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 43 Resp: 72288
Ion Ratio Lower Upper
43 100
58 32.0 45.4 68.0#
57 21.7 15.8 23.8
100 0.4 10.2 15.4#





#49

Dibromochloromethane

Concen: 0.586 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV014319.D

Acq: 16 Jan 2020 14:08

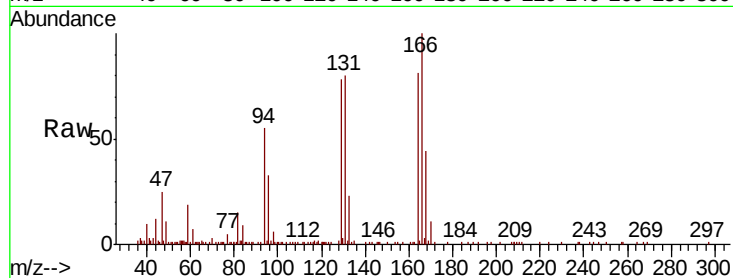
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 27346

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

