

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017270.D
 Acq On : 30 Jun 2020 19:10
 Operator : SY/MD
 Sample : L3168-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 06:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 06:00:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	174475	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	170300	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46680	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	41006	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.13	63	72635	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	3.92	46	129353	48.47	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.94%
24) Chloroform-d	4.38	84	111806	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	60869	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.08	84	202406	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.10	67	59702	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.34	98	178571	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
45) trans-1,3-Dichloropropene-	7.65	79	24377	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
48) 2-Hexanone-d5	8.11	63	107897	51.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	44803	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	75116	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

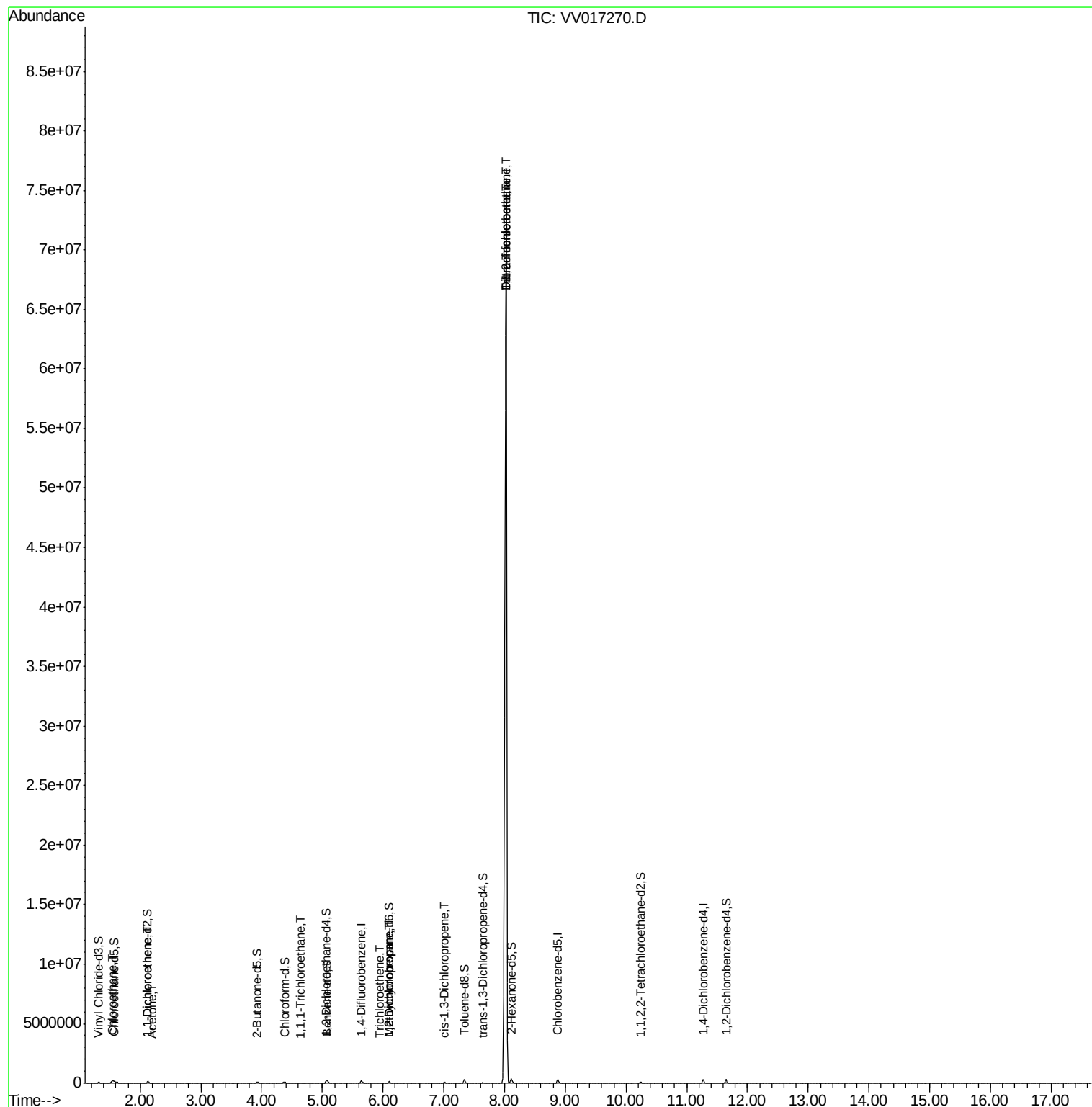
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.55	64	537631	84.970	ug/L #	50
12) 1,1-Dichloroethene	2.13	96	863	0.103	ug/L #	1
13) Acetone	2.20	43	3462	2.566	ug/L	75
29) 1,1,1-Trichloroethane	4.64	97	2164	0.106	ug/L #	57
34) Trichloroethene	5.94	95	8568	0.656	ug/L	91
35) Methylcyclohexane	6.10	83	16507	0.813	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	8186	0.741	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1952	0.119	ug/L #	55
47) 1,1,2-Trichloroethane	8.02	97	212096	27.086	ug/L #	13
49) Tetrachloroethene	8.03	164	18697281	1778.778	ug/L	85
51) Dibromochloromethane	8.02	129	18405308	1939.089	ug/L #	11

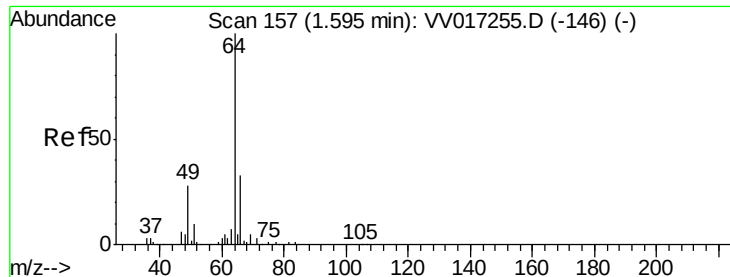
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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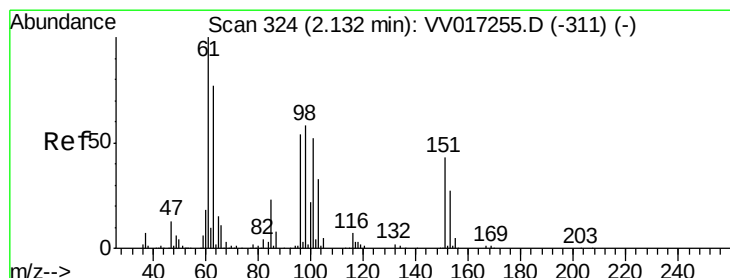
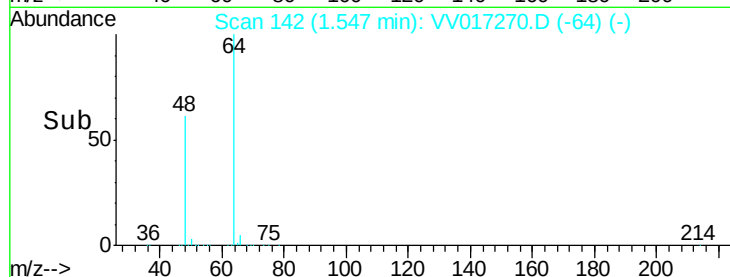
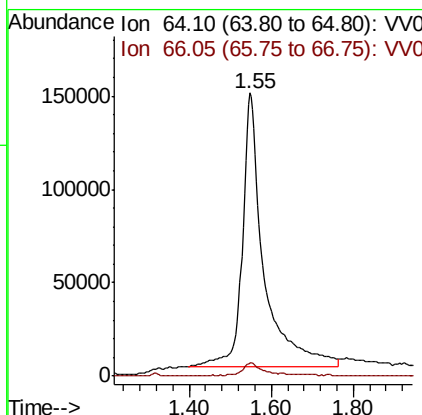
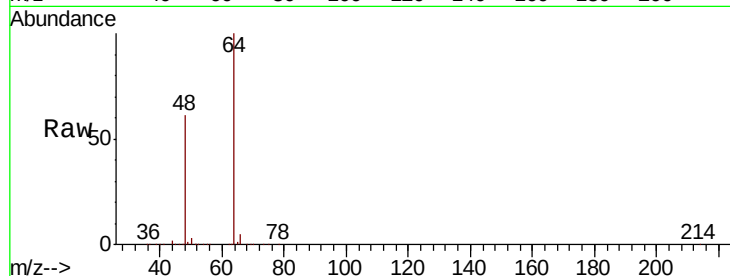




#8
 Chloroethane
 Concen: 84.970 ug/L
 RT: 1.55 min Scan# 142
 Delta R.T. -0.05 min
 Lab File: VV017270.D
 Acq: 30 Jun 2020 19:10

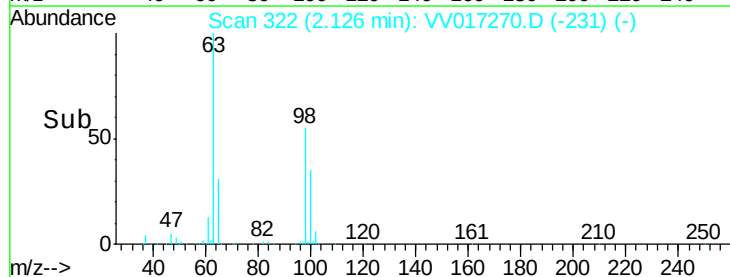
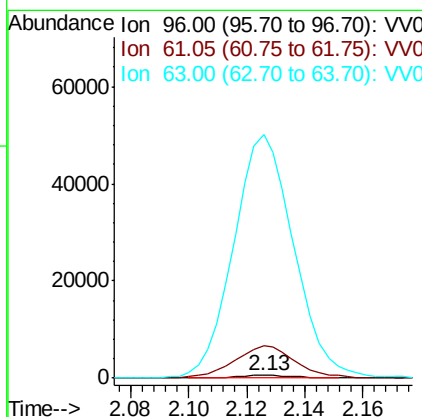
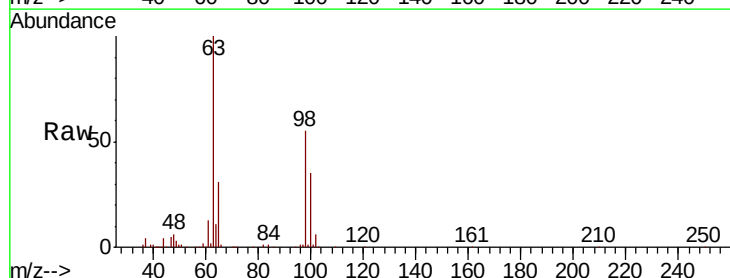
Instrument :
 MSVOA_V
 ClientSampleId :

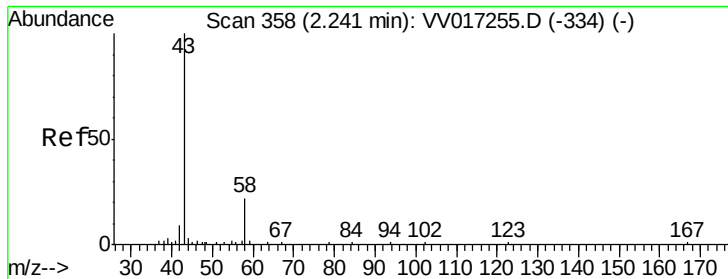
Tot Ion: 64 Resp: 537631
 Ion Ratio Lower Upper
 64 100
 66 4.6 22.8 42.4#



#12
 1,1-Dichloroethene
 Concen: 0.103 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV017270.D
 Acq: 30 Jun 2020 19:10

Tgt Ion: 96 Resp: 863
 Ion Ratio Lower Upper
 96 100
 61 1181.9 125.0 232.2#
 63 8983.5 109.8 203.8#





#13

Acetone

Concen: 2.566 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.04 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

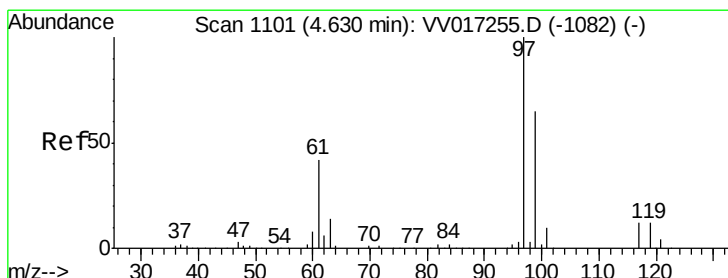
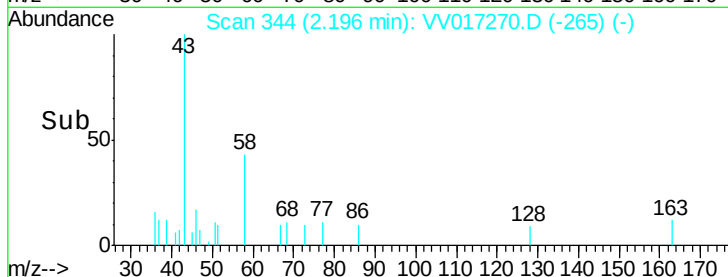
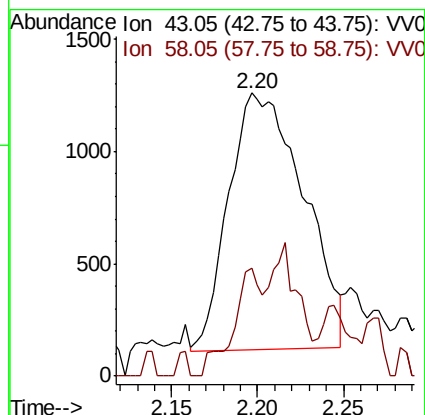
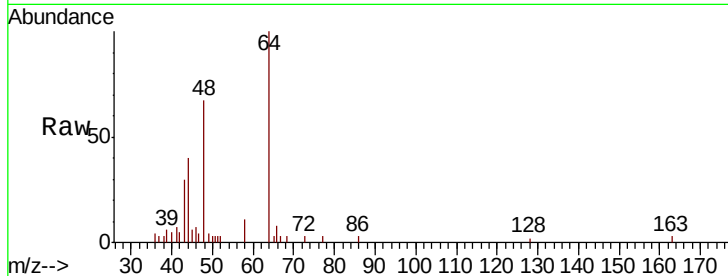
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3462

Ion Ratio Lower Upper

43 100

58 15.9 0.0 58.4



#29

1,1,1-Trichloroethane

Concen: 0.106 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. 0.01 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

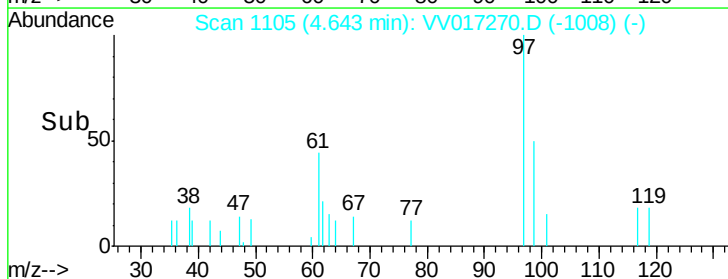
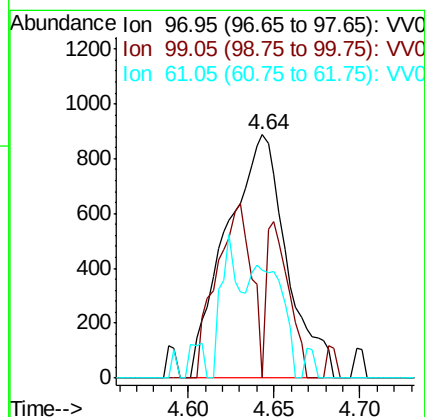
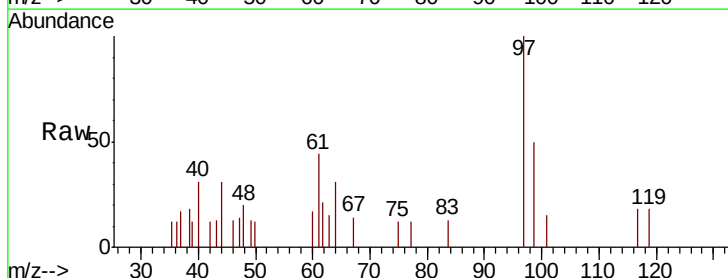
Tgt Ion: 97 Resp: 2164

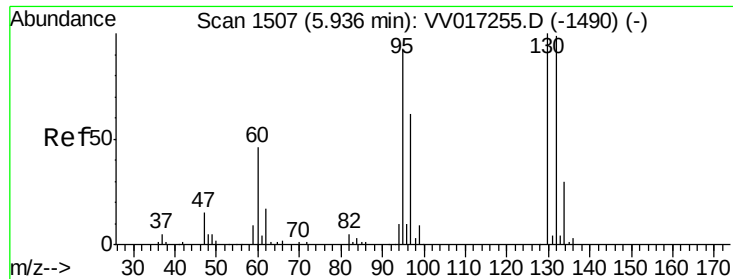
Ion Ratio Lower Upper

97 100

99 23.5 50.3 75.5#

61 24.7 36.0 54.0#





#34

Trichloroethene

Concen: 0.656 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 8568

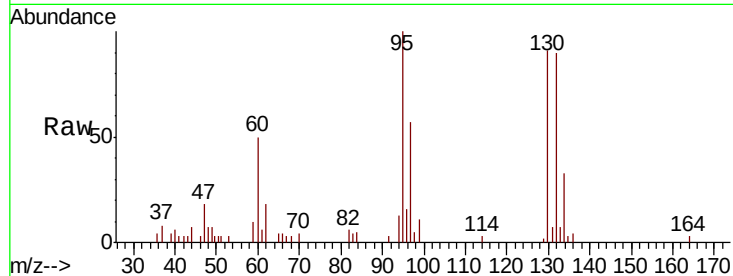
Ion Ratio Lower Upper

95 100

97 57.4 45.3 84.1

132 90.2 68.8 127.8

130 90.5 70.2 130.4

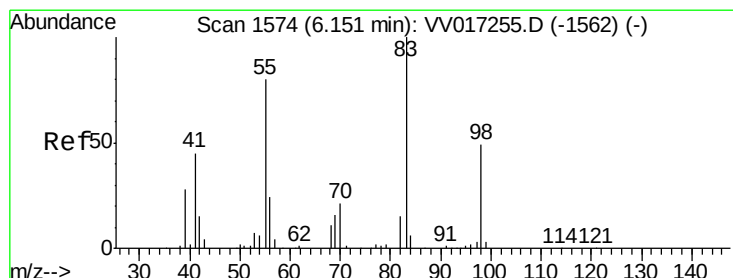
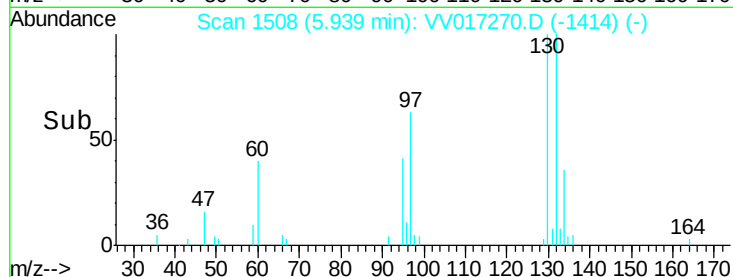
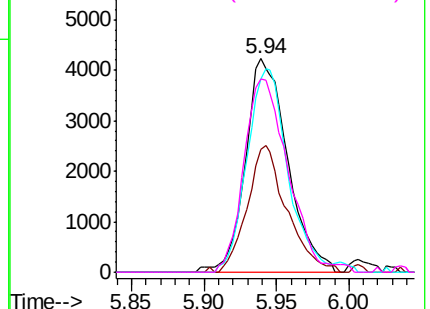


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.813 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.05 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

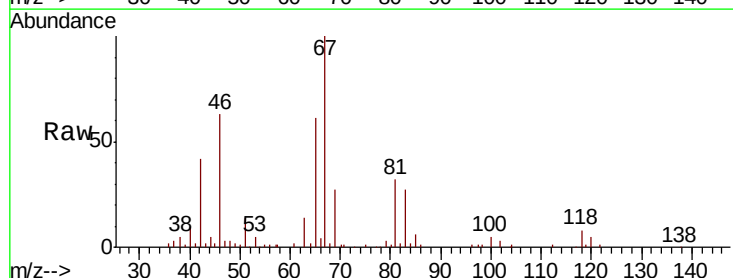
Tgt Ion: 83 Resp: 16507

Ion Ratio Lower Upper

83 100

55 0.8 63.6 95.4#

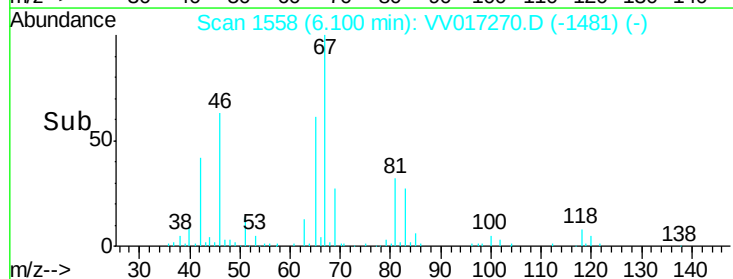
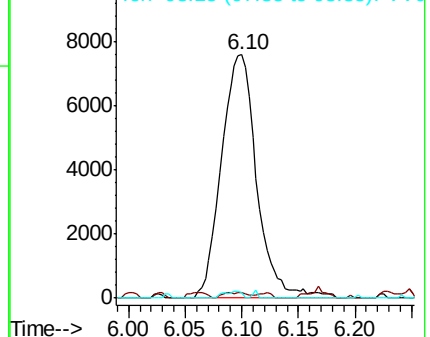
98 1.4 38.8 58.2#

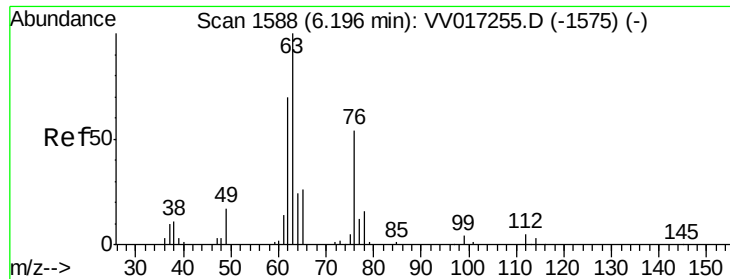


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

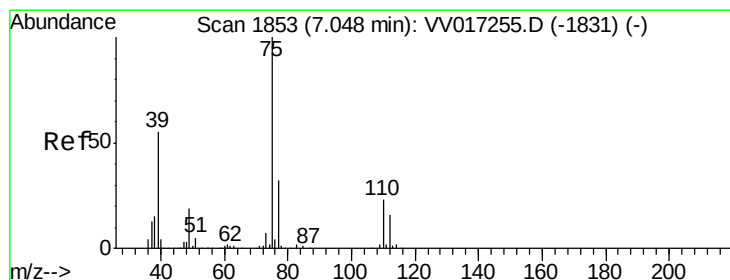
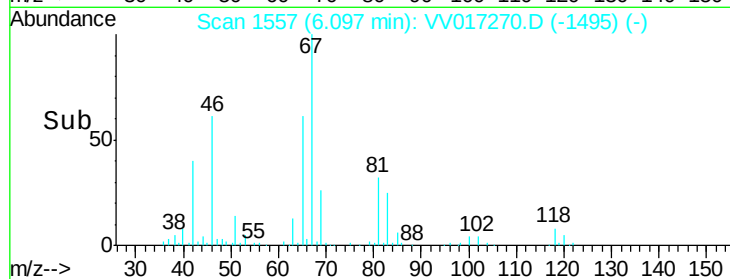
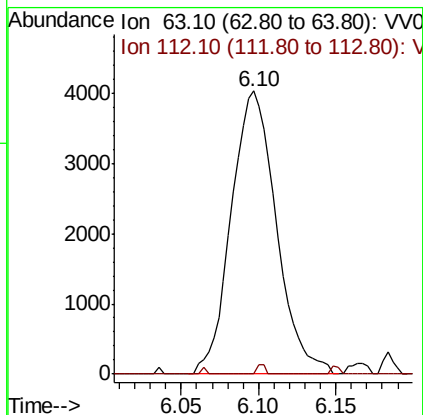
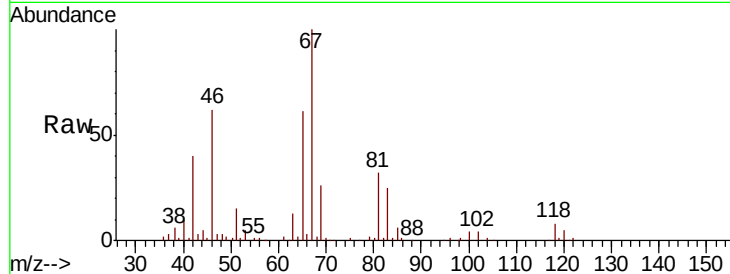




#37
 1,2-Dichloropropane
 Concen: 0.741 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017270.D
 Acq: 30 Jun 2020 19:10

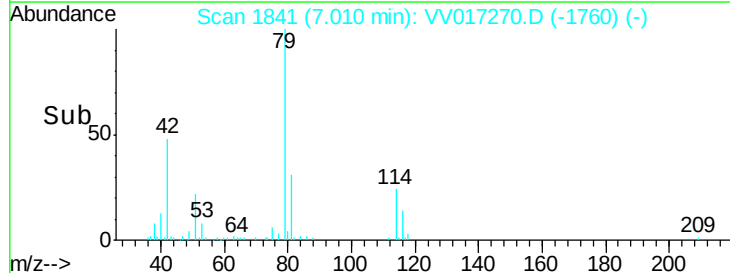
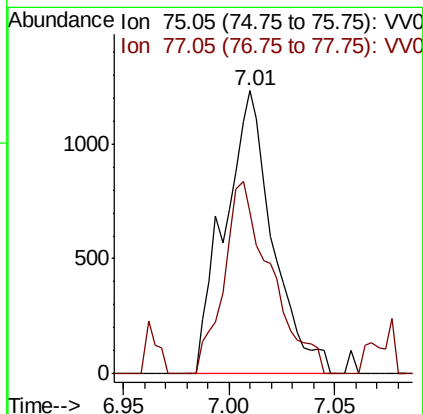
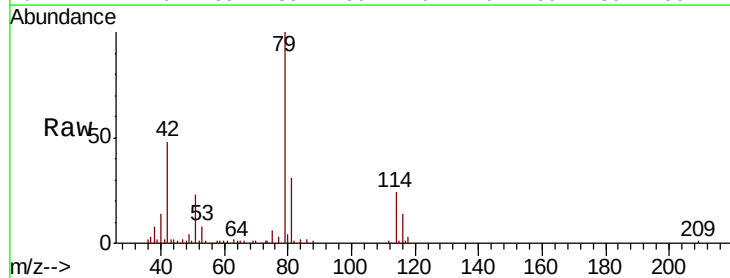
Instrument :
 MSVOA_V
 ClientSampleId :

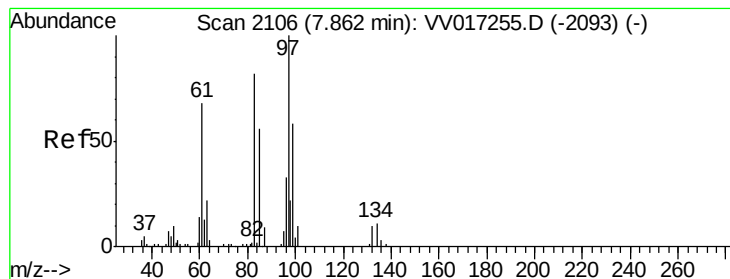
Tot Ion: 63 Resp: 8186
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017270.D
 Acq: 30 Jun 2020 19:10

Tgt Ion: 75 Resp: 1952
 Ion Ratio Lower Upper
 75 100
 77 57.2 22.3 41.5#





#47

1,1,2-Trichloroethane

Concen: 27.086 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.16 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 212096

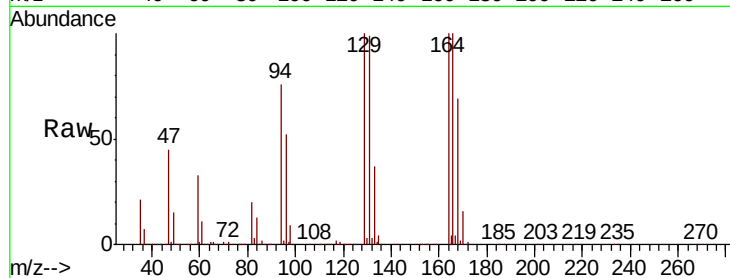
Ion Ratio Lower Upper

97 100

99 15.8 43.6 81.0#

83 211.8 57.4 106.6#

85 32.0 38.8 72.0#

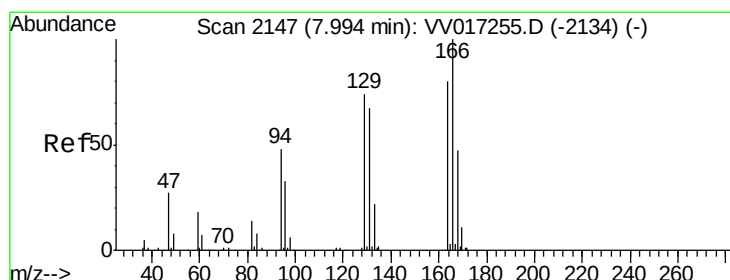
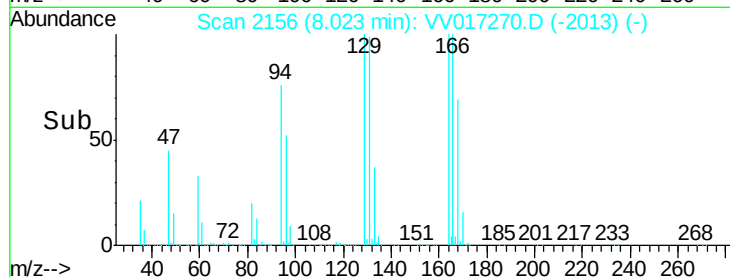
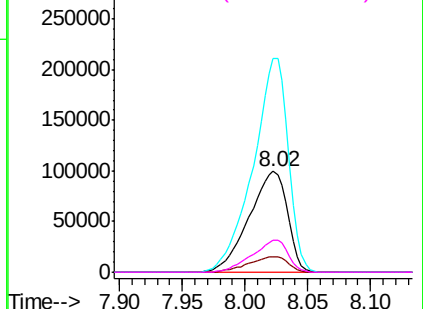


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 1778.778 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

Tgt Ion: 164 Resp: 18697281

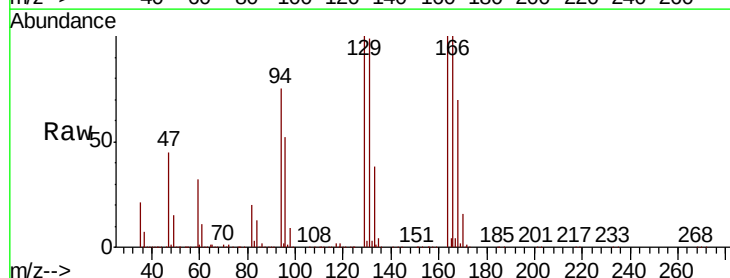
Ion Ratio Lower Upper

164 100

129 100.0 65.2 121.0

131 99.4 64.1 119.1

166 100.0 90.2 167.4

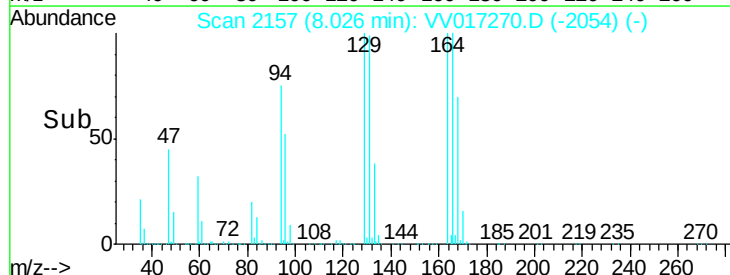
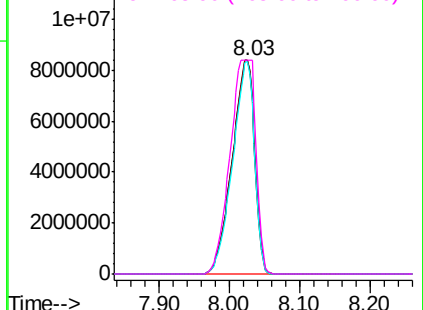


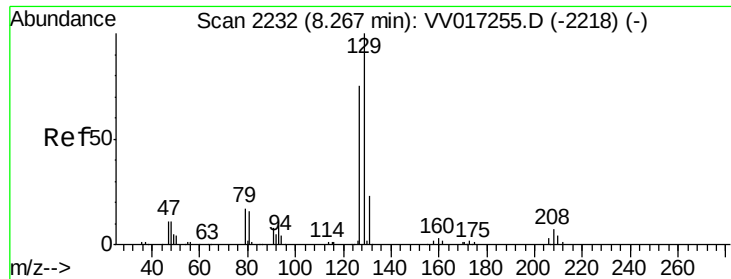
Abundance Ion 163.90 (163.60 to 164.60): V

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





#51

Dibromochloromethane

Concen: 1939.089 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.24 min

Lab File: VV017270.D

Acq: 30 Jun 2020 19:10

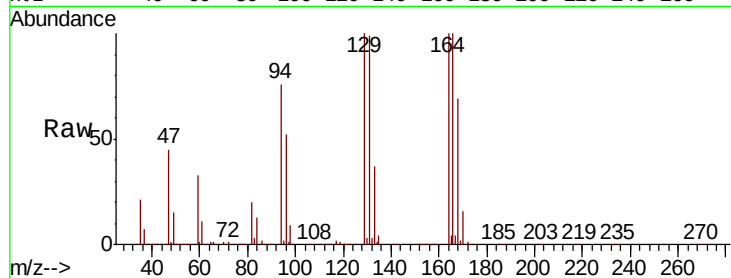
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp:18405308

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V
1e+07 Ion 126.90 (126.60 to 127.60): V

