

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015433.D
 Acq On : 09 Apr 2020 21:39
 Operator : SY/MD
 Sample : L2188-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 05:39:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	116753	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53973	5.00	ug/L	0.00

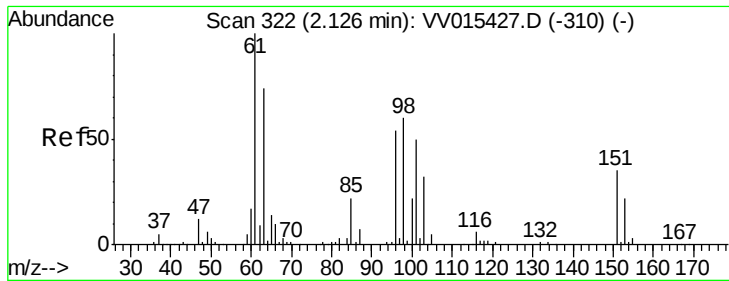
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28598	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.57	69	26629	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.12	63	41055	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	3.96	46	75618	44.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.92%
24) Chloroform-d	4.38	84	62934	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	37047	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.08	84	123904	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.10	67	40192	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.34	98	113403	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.65	79	15688	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.12	63	81997	50.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29489	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	43374	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2054	0.268	ug/L	87
12) 1,1-Dichloroethene	2.11	96	542	0.074	ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	6690	0.780	ug/L	98
25) Chloroform	4.41	83	5104	0.320	ug/L	94
27) 1,2-Dichloroethane	5.07	62	845	0.082	ug/L #	77
34) Trichloroethene	5.94	95	14484	1.619	ug/L	98
35) Methylcyclohexane	6.10	83	9676	0.642	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4821	0.585	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1286	0.102	ug/L #	74
44) trans-1,3-Dichloropropene	7.64	75	726	0.068	ug/L #	71
47) Tetrachloroethene	8.00	164	3599	0.543	ug/L	90
48) 2-Hexanone	8.12	43	11299	2.987	ug/L #	71
49) Dibromochloromethane	8.00	129	3576	0.539	ug/L #	10

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



#10

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

Concen: 0.268 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015433.D

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Instrument :

MSVOA_V

ClientSampled :

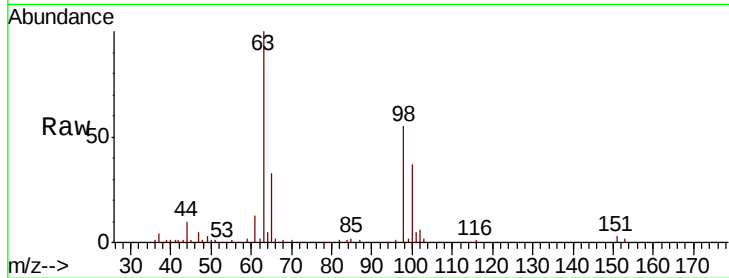
Tot Ion:101 Resp: 2054

Ion Ratio Lower Upper

101 100

85 38.0 36.3 54.5

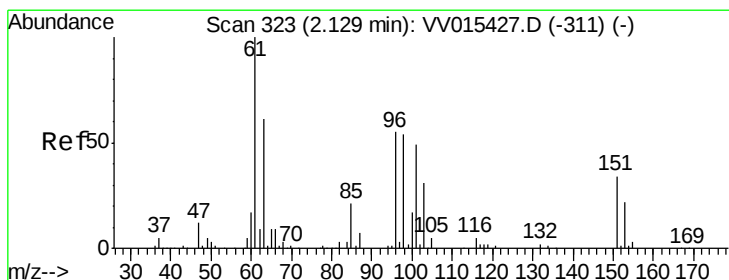
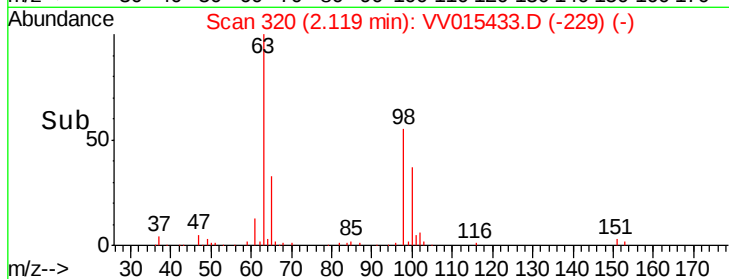
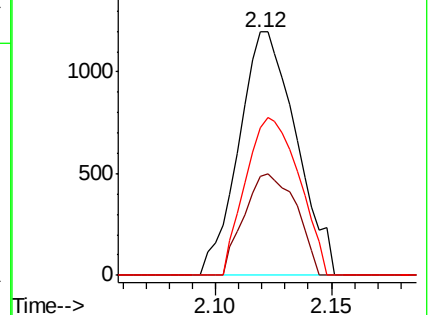
151 60.5 58.2 87.4



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: 0.074 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV015433.D

Acq: 09 Apr 2020 21:39

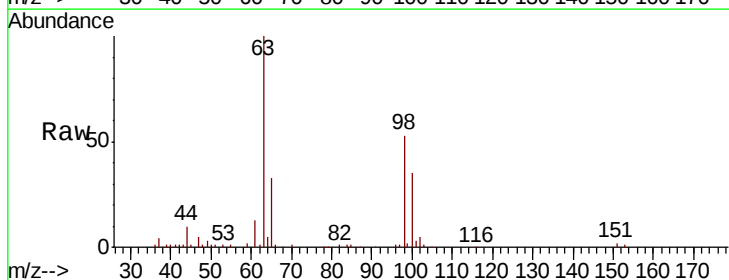
Tgt Ion: 96 Resp: 542

Ion Ratio Lower Upper

96 100

61 1129.7 127.7 237.1#

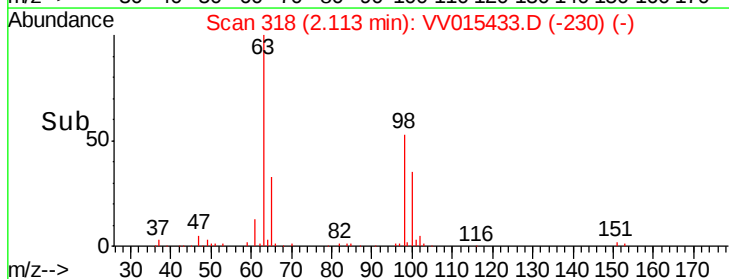
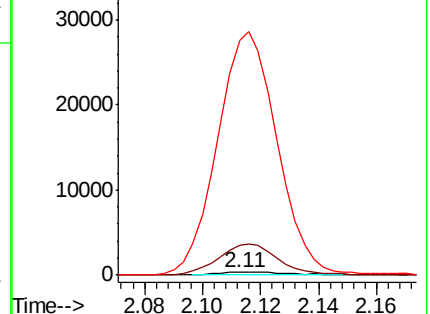
63 8900.6 75.1 139.5#

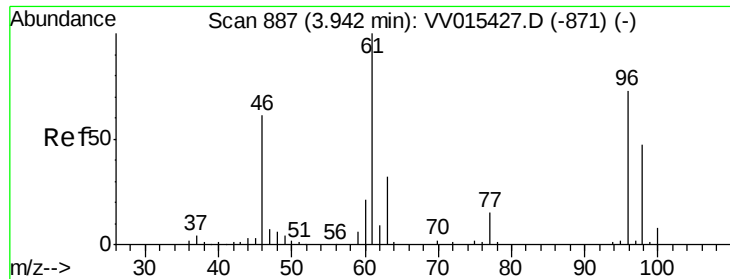


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



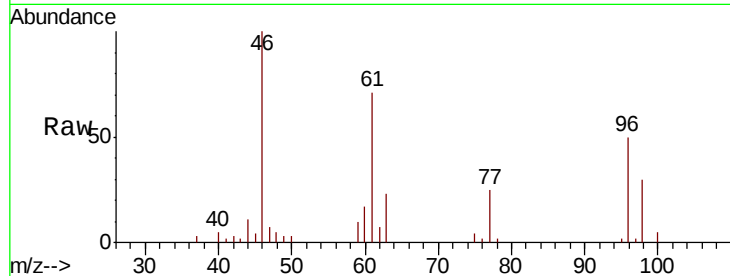


#22

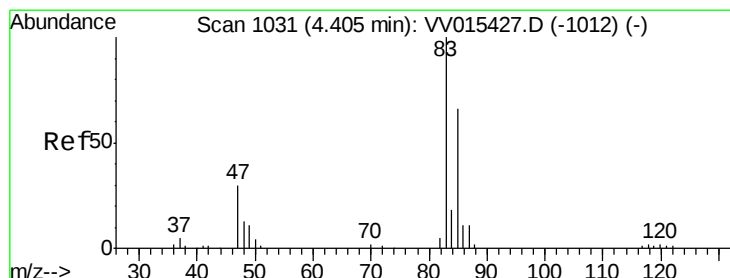
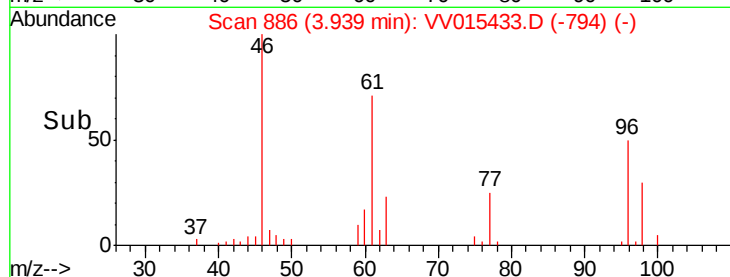
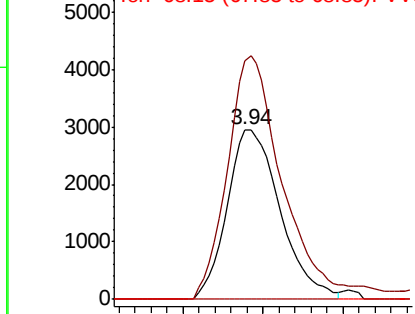
cis-1,2-Dichloroethene
 Concen: 0.780 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 6690
 Ion Ratio Lower Upper
 96 100
 61 140.7 100.0 185.8
 68 0.0 0.0 0.0



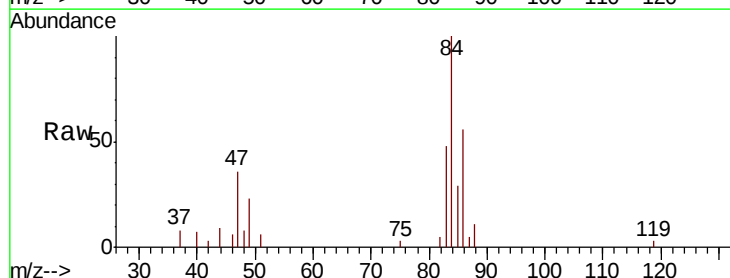
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



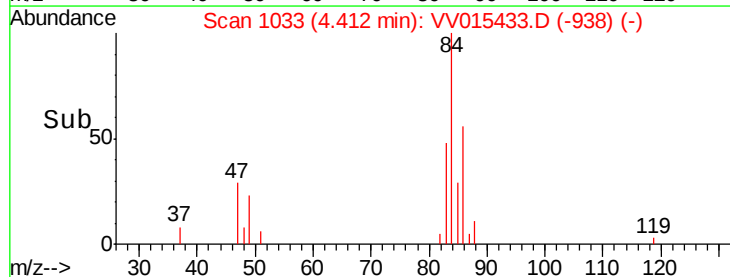
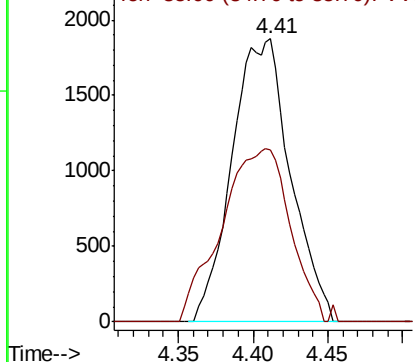
#25

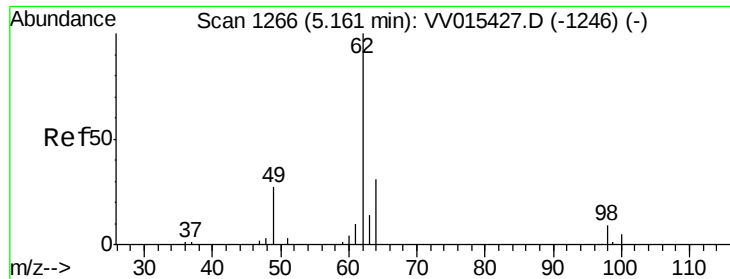
Chloroform
 Concen: 0.320 ug/L
 RT: 4.41 min Scan# 1033
 Delta R.T. 0.01 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

Tgt Ion: 83 Resp: 5104
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

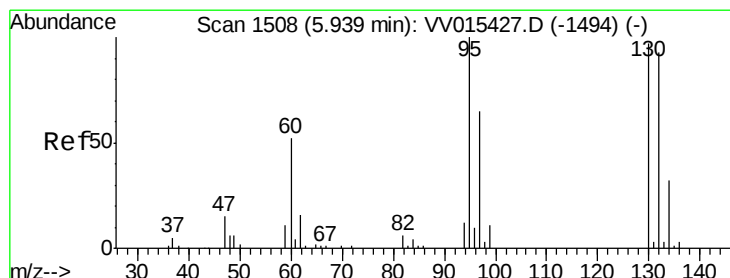
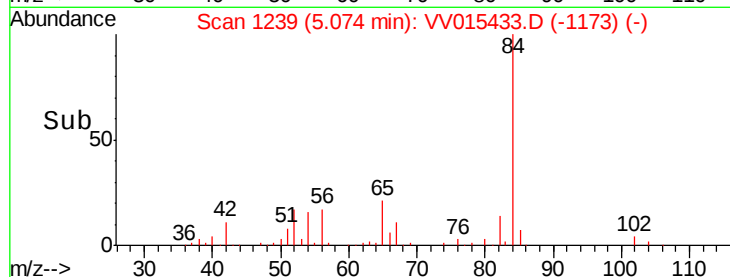
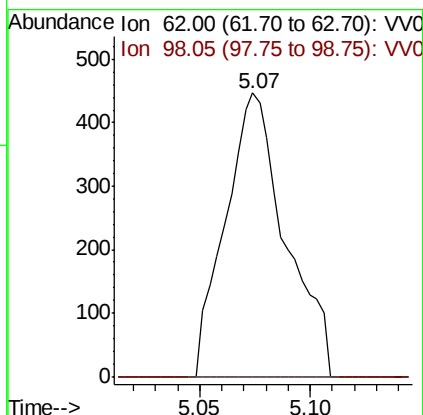
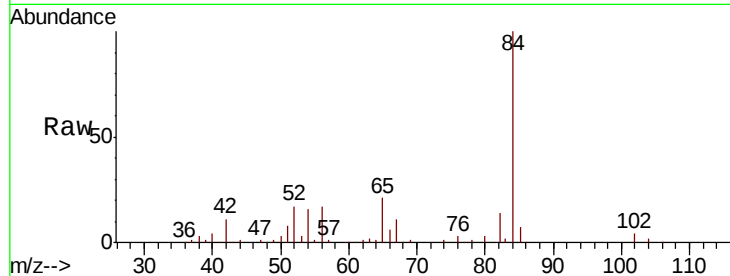




#27
 1,2-Dichloroethane
 Concen: 0.082 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.09 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

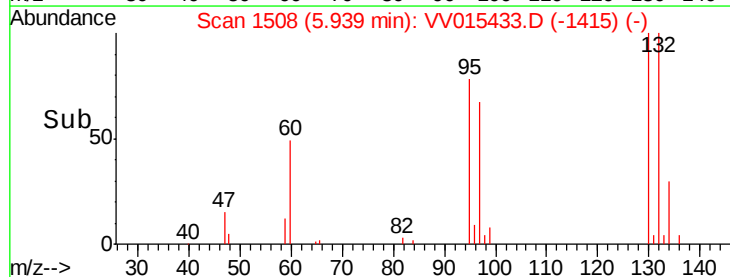
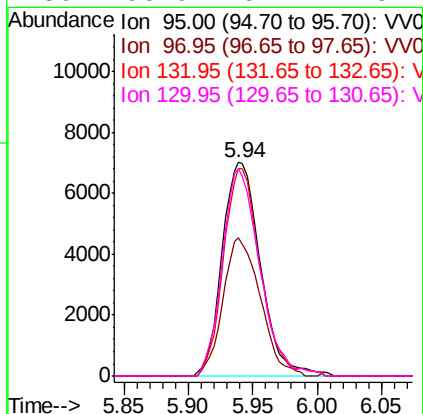
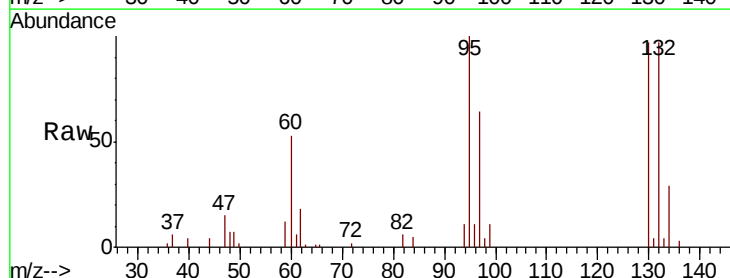
Instrument :
 MSVOA_V
 ClientSampleId :

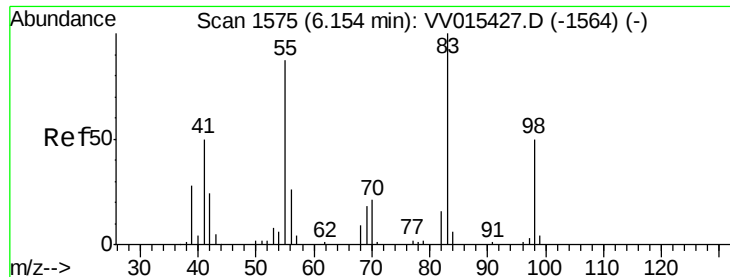
Tot Ion: 62 Resp: 845
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 1.619 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

Tgt Ion: 95 Resp: 14484
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.4 84.4
 132 96.8 64.8 120.4
 130 96.9 67.4 125.2

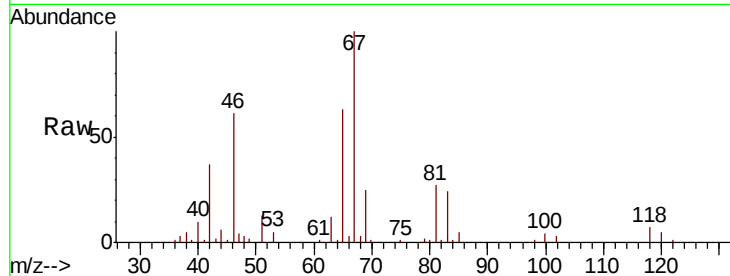




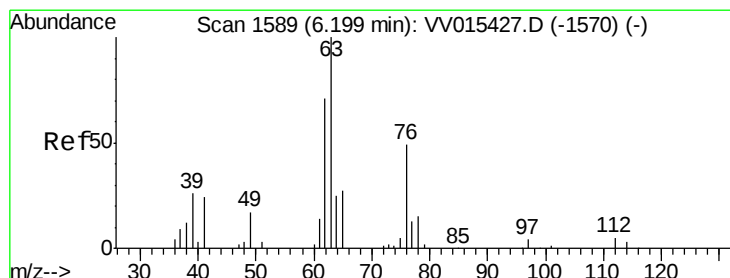
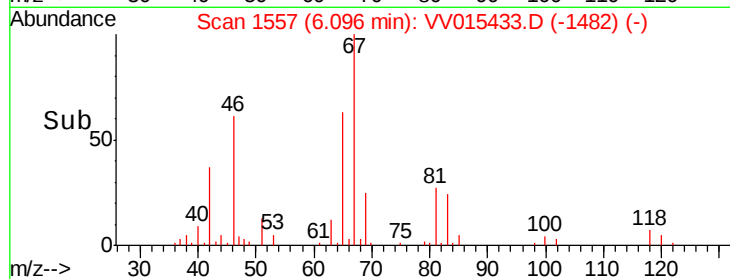
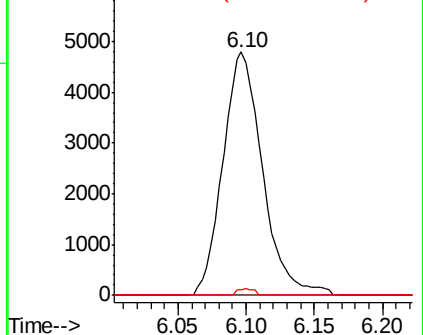
#35
Methvlcvclohexane
Concen: 0.642 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015433.D
Acq: 09 Apr 2020 21:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9676
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 1.1 38.7 58.1#

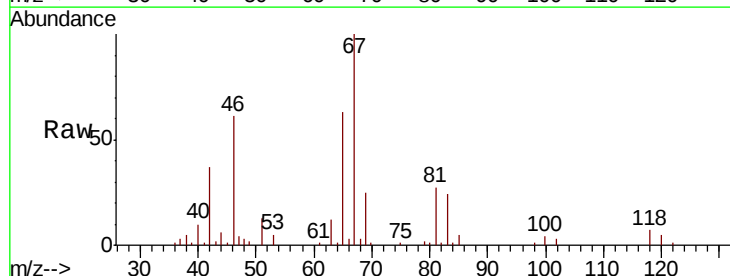


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

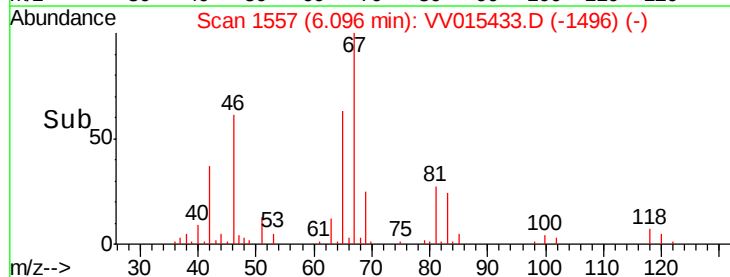
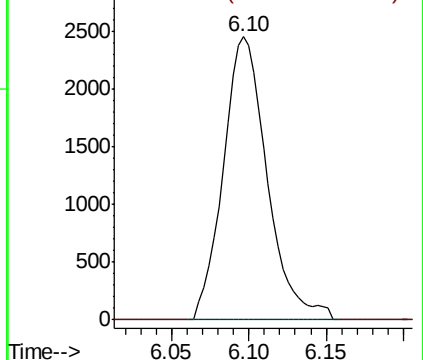


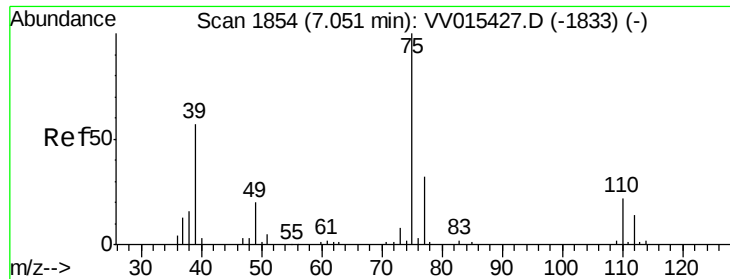
#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015433.D
Acq: 09 Apr 2020 21:39

Tgt Ion: 63 Resp: 4821
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

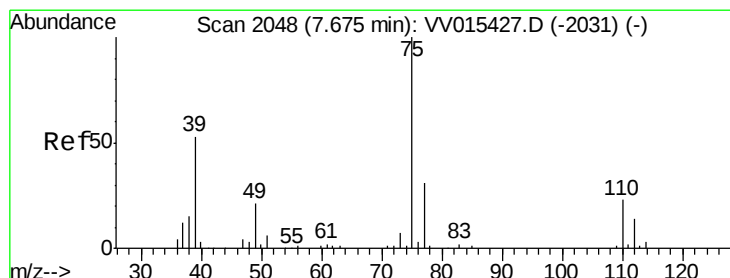
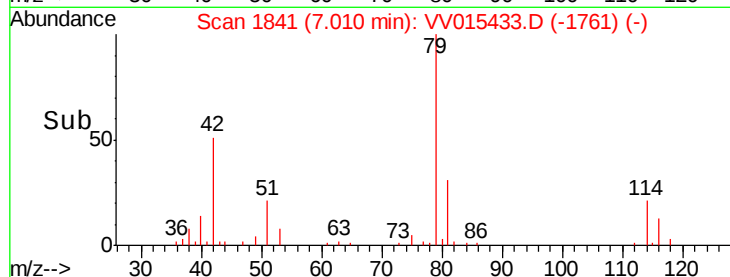
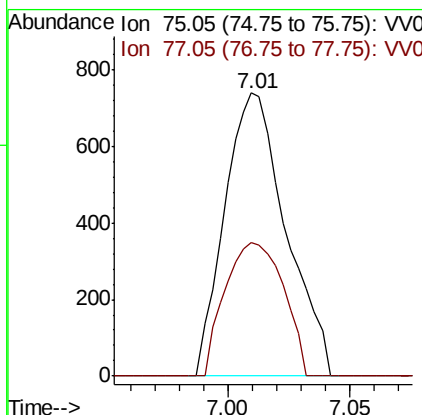
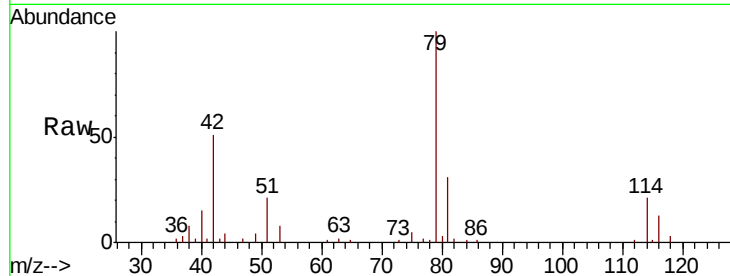




#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

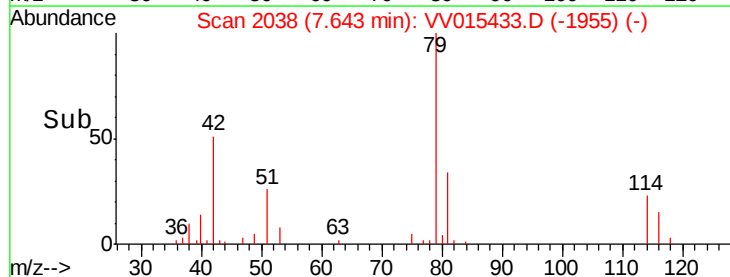
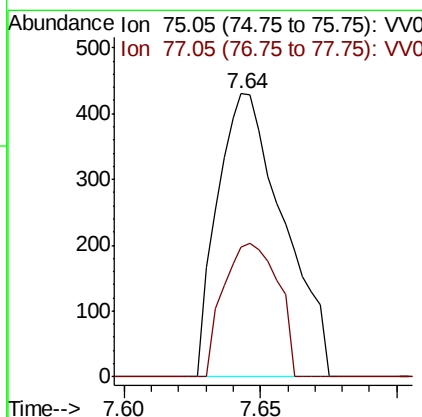
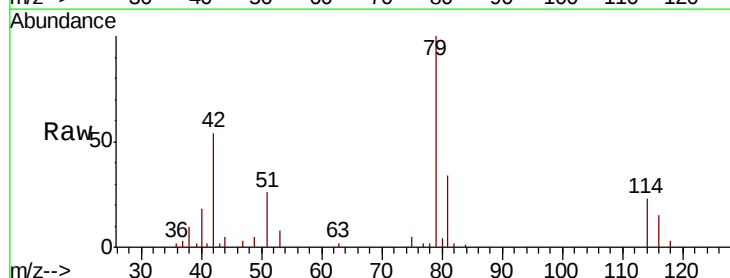
Instrument :
 MSVOA_V
 ClientSampleId :

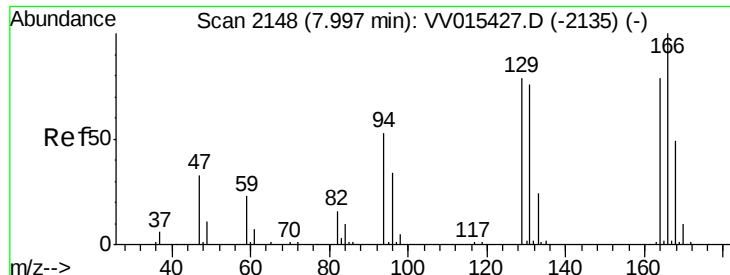
Tot Ion: 75 Resp: 1286
 Ion Ratio Lower Upper
 75 100
 77 47.3 23.0 42.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV015433.D
 Acq: 09 Apr 2020 21:39

Tgt Ion: 75 Resp: 726
 Ion Ratio Lower Upper
 75 100
 77 45.8 21.0 39.0#





#47

Tetrachloroethene

Concen: 0.543 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015433.D

Acq: 09 Apr 2020 21:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3599

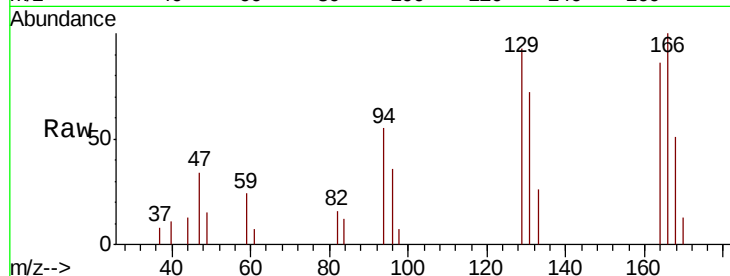
Ion Ratio Lower Upper

164 100

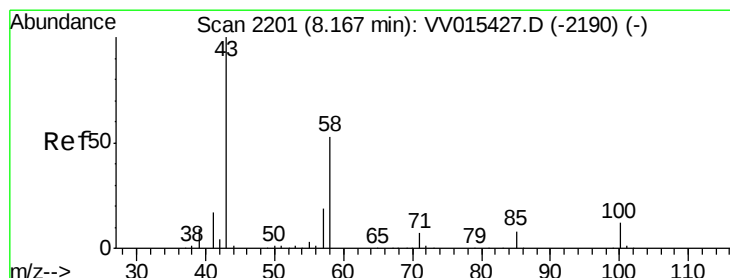
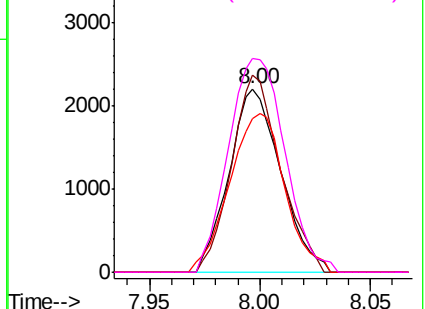
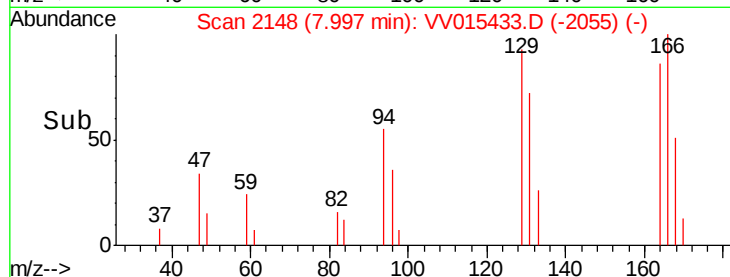
129 107.6 70.6 131.0

131 83.4 68.3 126.8

166 116.3 88.3 163.9



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



#48

2-Hexanone

Concen: 2.987 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015433.D

Acq: 09 Apr 2020 21:39

Tgt Ion: 43 Resp: 11299

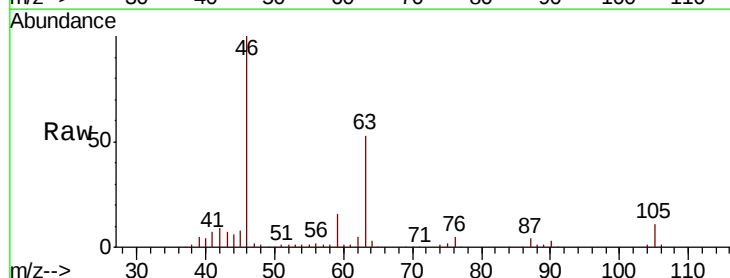
Ion Ratio Lower Upper

43 100

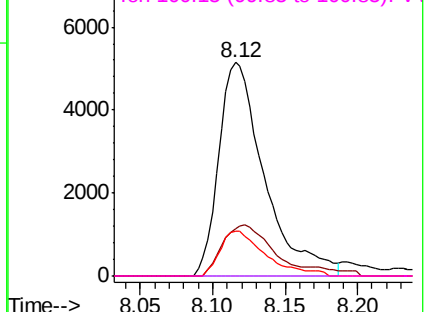
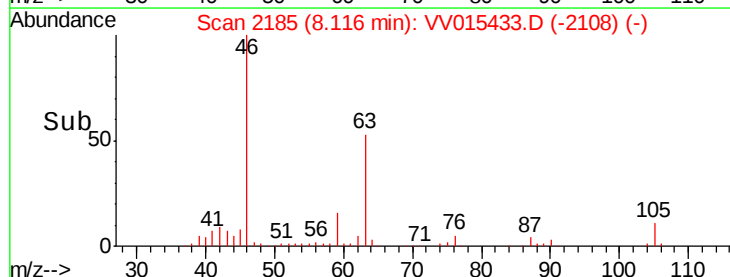
58 25.6 41.4 62.0#

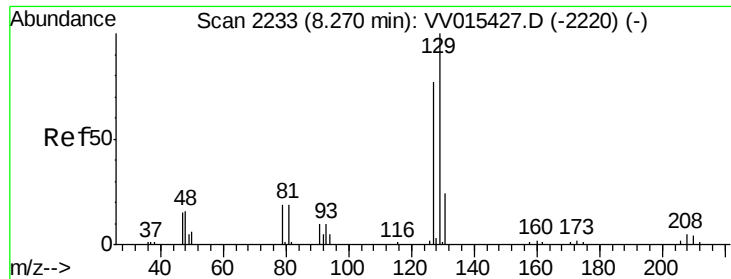
57 21.0 15.0 22.4

100 0.0 9.4 14.2#



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





#49

Dibromochloromethane

Concen: 0.539 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015433.D

Acq: 09 Apr 2020 21:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 3576

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

