

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019167.D
 Acq On : 30 Oct 2020 00:22
 Operator : SY/MD
 Sample : L4543-01 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:47:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	226036	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217815	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107978	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82400	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.58	69	67185	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.30%
11) 1,1-Dichloroethene-d2	2.12	63	123439	36.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.24%
21) 2-Butanone-d5	3.91	46	109595	99.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.61%
24) Chloroform-d	4.38	84	164139	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.06	65	119950	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.08	84	308045	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
36) 1,2-Dichloropropane-d6	6.09	67	95050	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.18%
41) Toluene-d8	7.34	98	280830	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.64	79	50572	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
47) 2-Hexanone-d5	8.11	63	83440	104.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	124850	50.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	119431	52.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.28%

Target Compounds

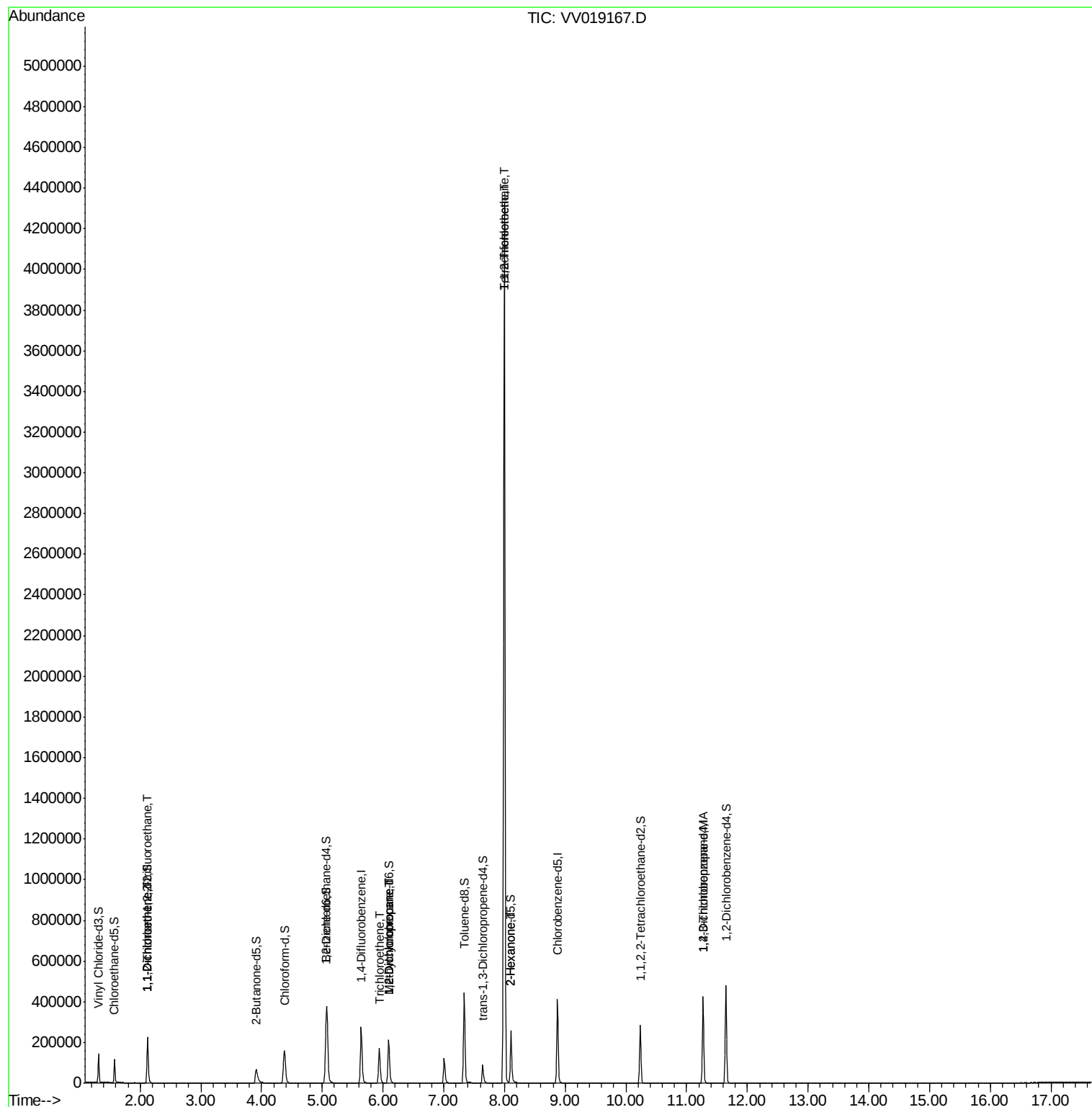
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1067	0.721 ug/L #	17
12) 1,1-Dichloroethene	2.13	96	2105	1.452 ug/L #	1
34) Trichloroethene	5.94	95	58010	33.719 ug/L	97
35) Methylcyclohexane	6.09	83	24634	10.606 ug/L #	19
37) 1,2-Dichloropropane	6.09	63	12091	7.753 ug/L #	85
45) 1,1,2-Trichloroethane	8.00	97	8465	5.412 ug/L #	13
46) Tetrachloroethene	8.00	164	943527	642.259 ug/L	99
48) 2-Hexanone	8.11	43	10388	6.075 ug/L #	69
59) 1,2,3-Trichloropropane	11.27	75	11601	5.690 ug/L #	85

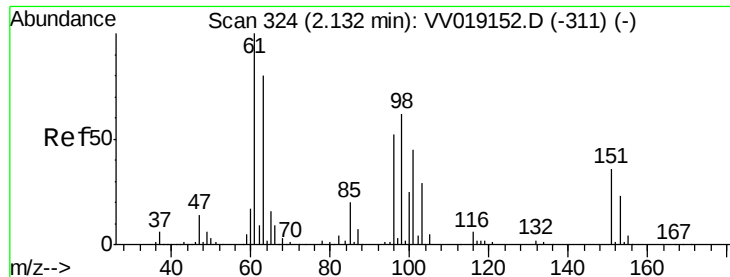
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Oct 30 05:31:22 2020
Response via : Initial Calibration





#10

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

Concen: 0.721 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019167.D

Acq: 30 Oct 2020 00:22

Instrument :

MSVOA_V

ClientSampled :

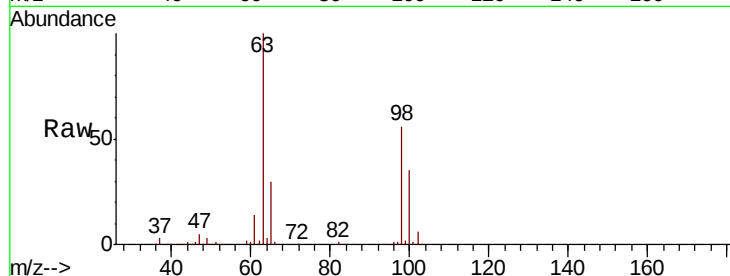
Tot Ion:101 Resp: 1067

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

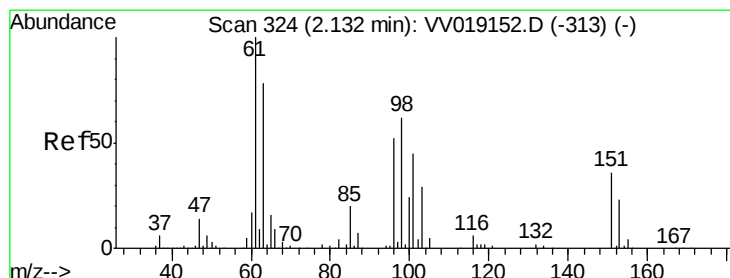
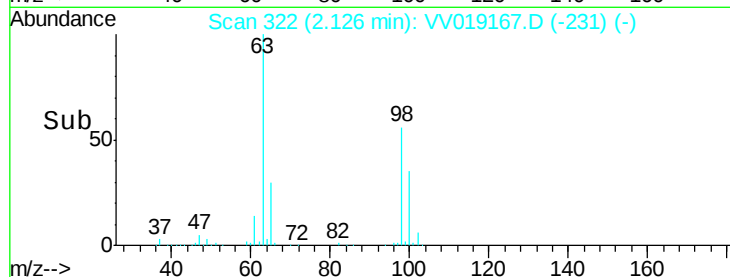
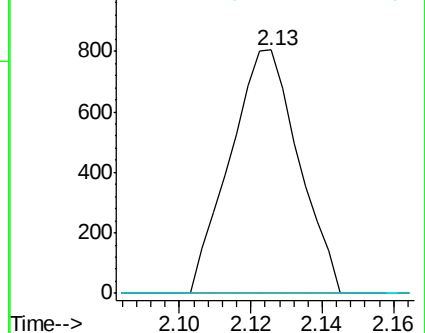
151 0.0 65.0 97.4#



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: 1.452 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019167.D

Acq: 30 Oct 2020 00:22

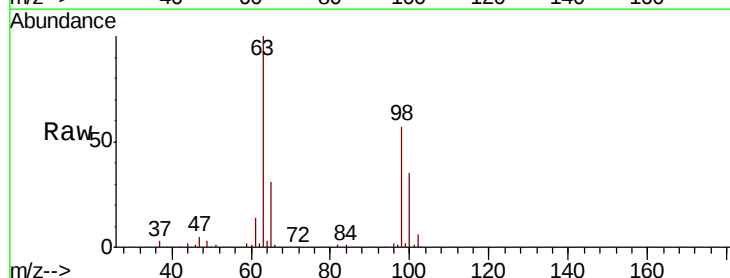
Tgt Ion: 96 Resp: 2105

Ion Ratio Lower Upper

96 100

61 761.3 132.6 246.2#

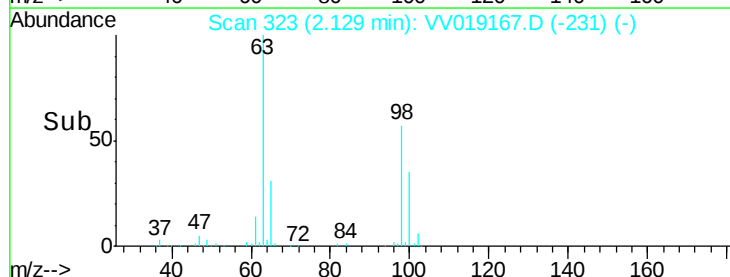
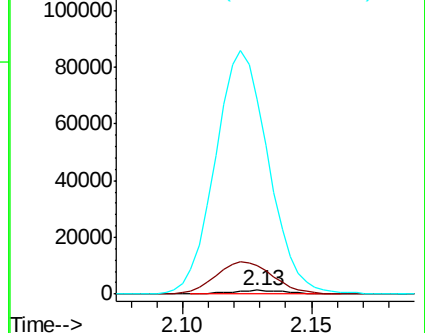
63 5262.2 108.4 201.4#

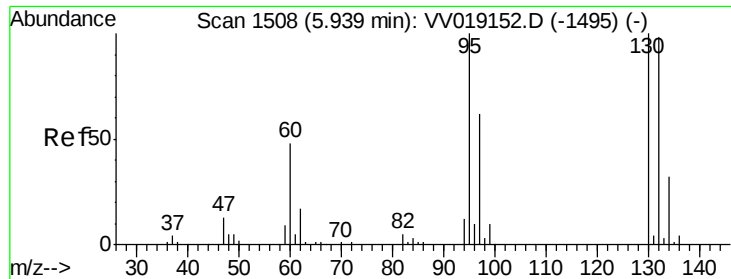


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

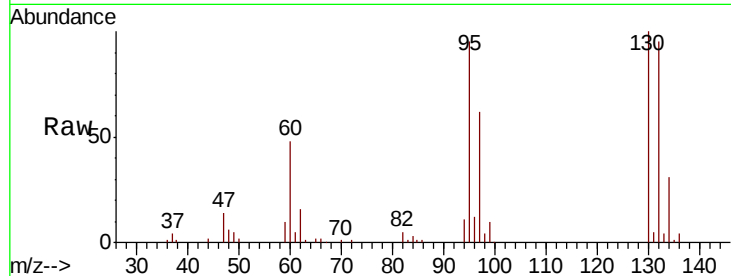




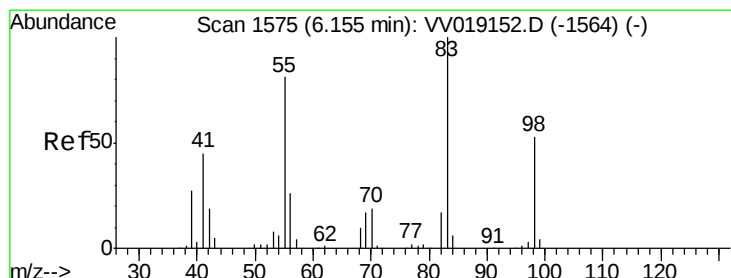
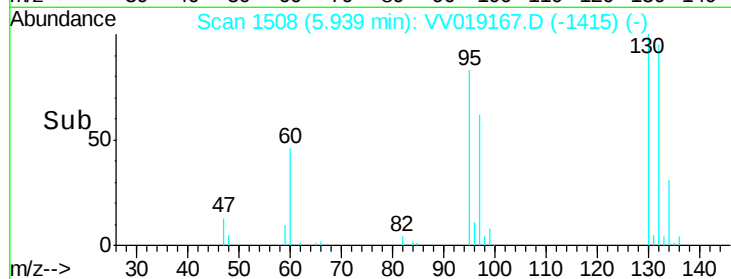
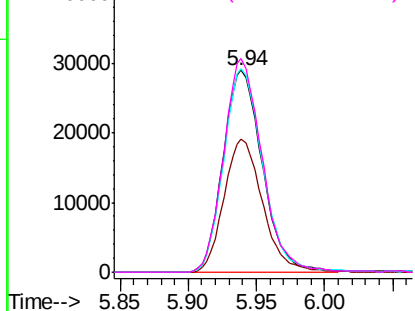
#34
 Trichloroethene
 Concen: 33.719 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV019167.D
 Acq: 30 Oct 2020 00:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 58010
 Ion Ratio Lower Upper
 95 100
 97 65.7 43.4 80.6
 132 100.9 69.7 129.4
 130 105.7 72.4 134.5

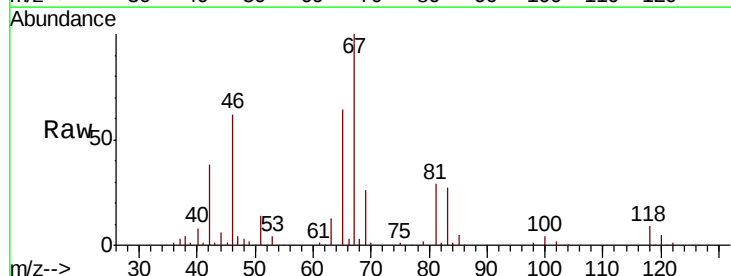


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

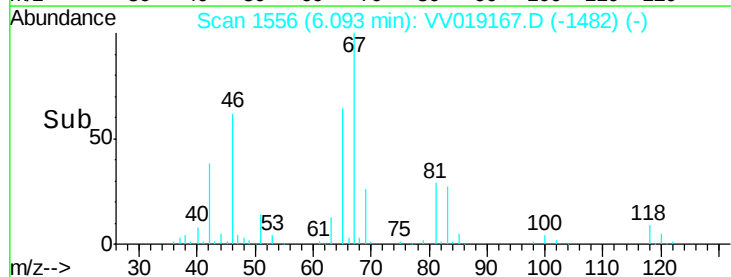
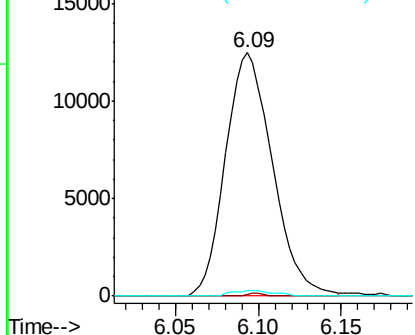


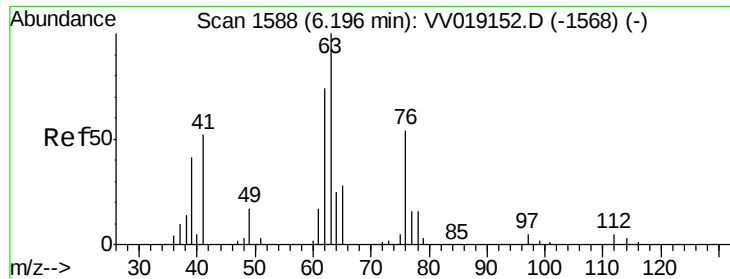
#35
 Methylcyclohexane
 Concen: 10.606 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV019167.D
 Acq: 30 Oct 2020 00:22

Tgt Ion: 83 Resp: 24634
 Ion Ratio Lower Upper
 83 100
 55 0.4 62.2 93.4#
 98 1.7 39.4 59.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

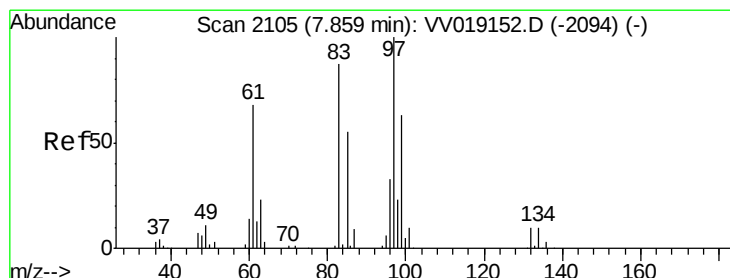
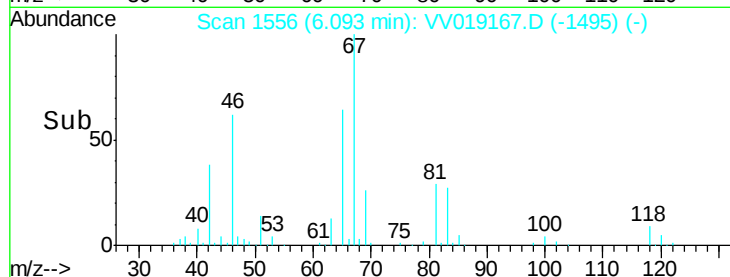
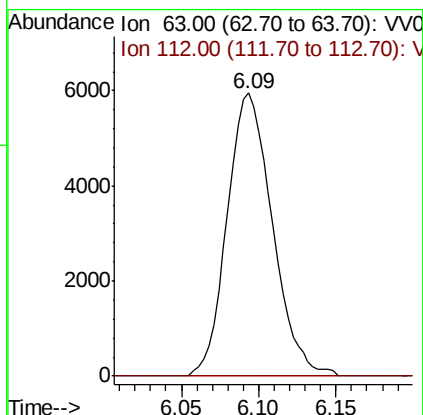
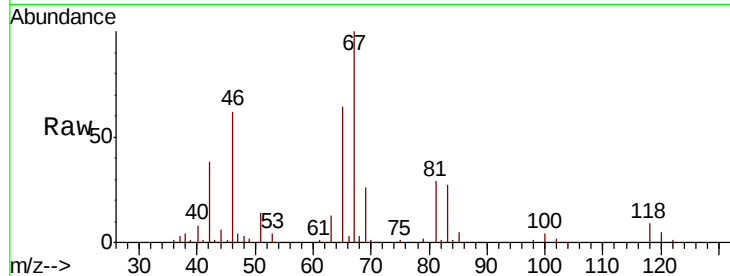




#37
 1,2-Dichloropropane
 Concen: 7.753 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV019167.D
 Acq: 30 Oct 2020 00:22

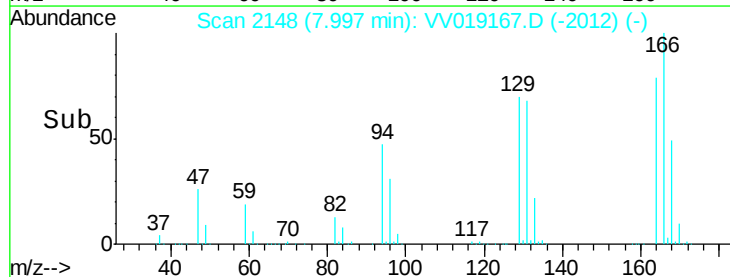
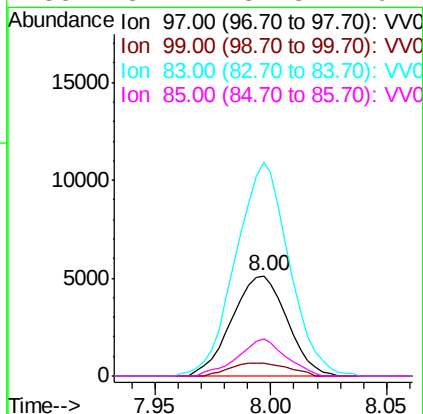
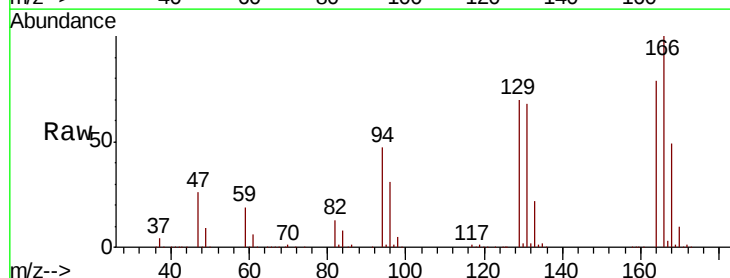
Instrument :
 MSVOA_V
 ClientSampleId :

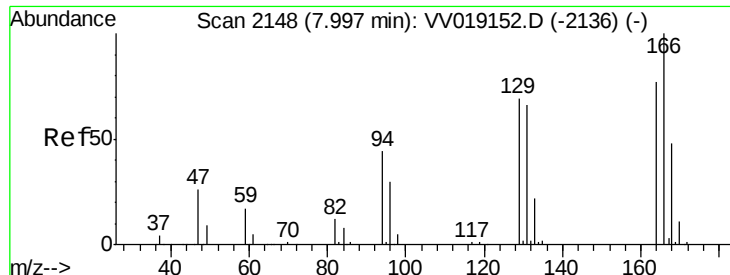
Tot Ion: 63 Resp: 12091
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#45
 1,1,2-Trichloroethane
 Concen: 5.412 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV019167.D
 Acq: 30 Oct 2020 00:22

Tgt Ion: 97 Resp: 8465
 Ion Ratio Lower Upper
 97 100
 99 12.3 43.1 80.1#
 83 213.9 58.3 108.3#
 85 37.1 37.8 70.2#





#46

Tetrachloroethene

Concen: 642.259 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019167.D

Acq: 30 Oct 2020 00:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 943527

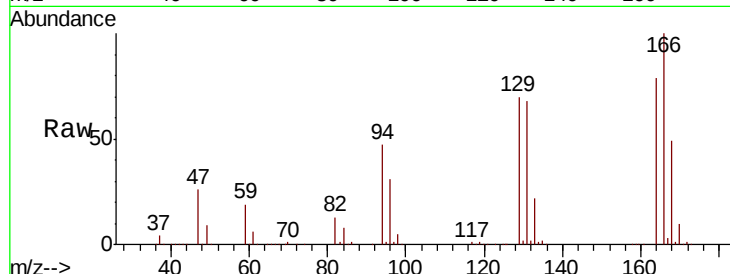
Ion Ratio Lower Upper

164 100

129 89.6 63.2 117.4

131 86.8 60.3 112.1

166 127.4 88.3 163.9

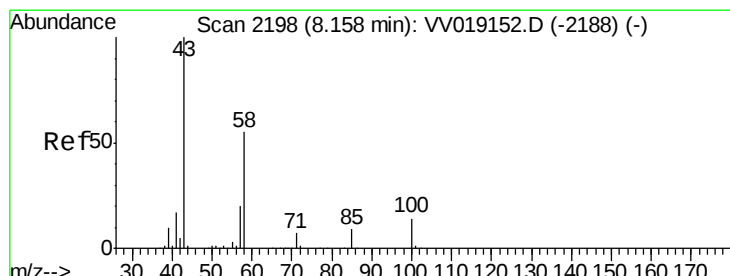
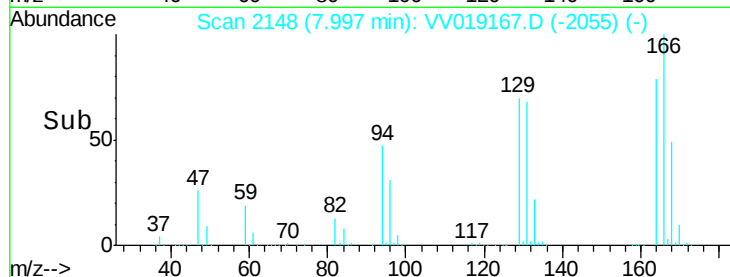
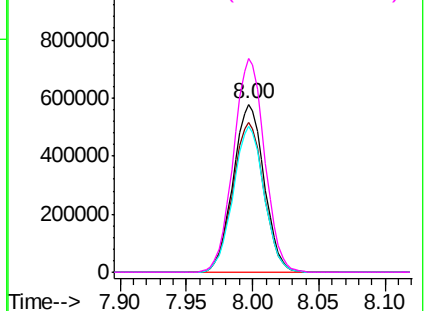


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 6.075 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV019167.D

Acq: 30 Oct 2020 00:22

Tgt Ion: 43 Resp: 10388

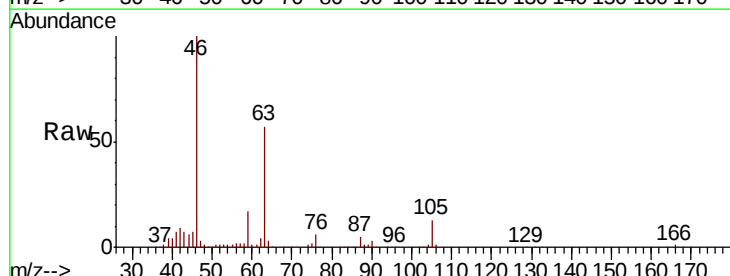
Ion Ratio Lower Upper

43 100

58 27.0 43.6 65.4#

57 25.6 16.0 24.0#

100 0.0 10.3 15.5#

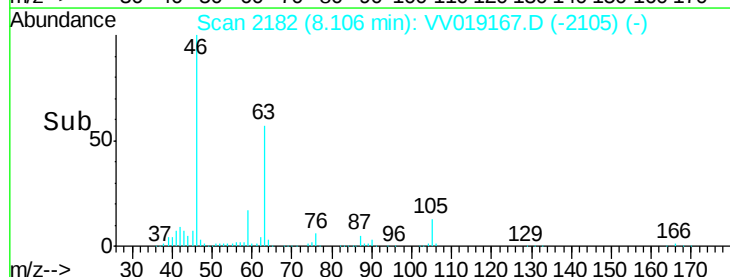
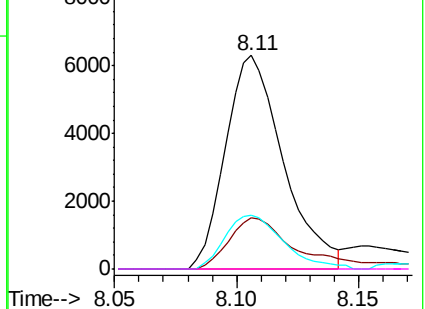


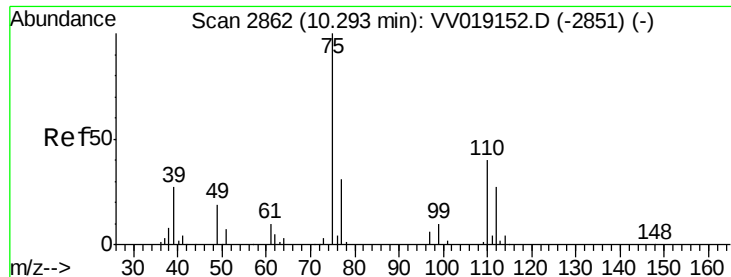
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.690 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019167.D

Acq: 30 Oct 2020 00:22

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 11601

Ion Ratio Lower Upper

75 100

77 41.1 26.2 39.4#

