

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013192.D
 Acq On : 18 Oct 2019 01:44
 Operator : SY/MD
 Sample : K5321-04
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:43:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	461990	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	488251	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	228408	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	247281	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.58	69	188577	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.13	63	273900	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.96	46	379313	39.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.86%
24) Chloroform-d	4.40	84	437843	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.08	65	207035	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	857282	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	265607	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	700027	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	84950	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	305115	39.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	194231	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	271066	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

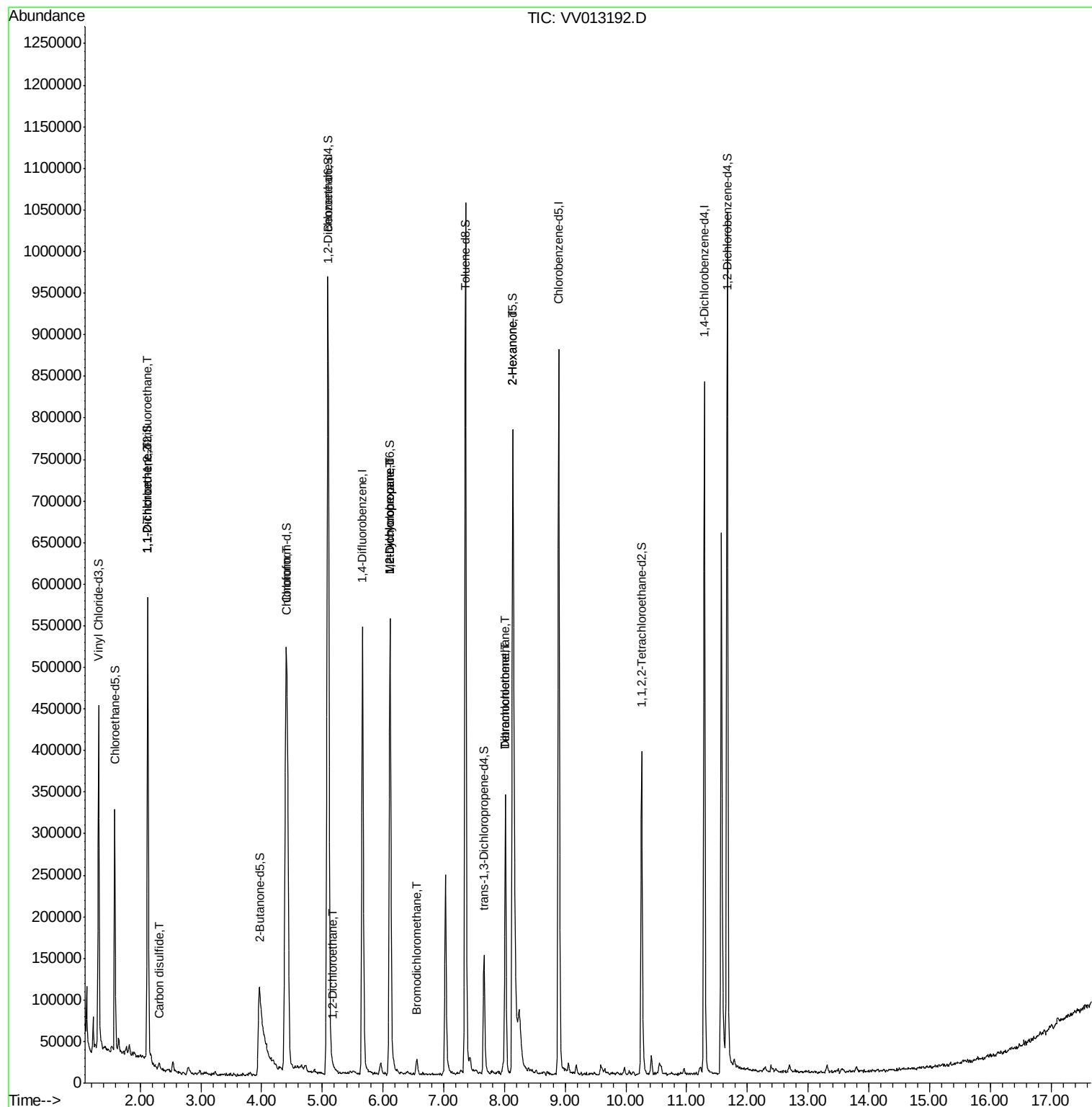
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4241	0.106	ug/L #	46
12) 1,1-Dichloroethene	2.13	96	3841	0.101	ug/L #	1
14) Carbon disulfide	2.31	76	7304	0.053	ug/L #	73
25) Chloroform	4.42	83	308168	3.317	ug/L	100
27) 1,2-Dichloroethane	5.19	62	2535	0.050	ug/L #	81
35) Methylcyclohexane	6.12	83	63787	0.799	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	26865	0.568	ug/L #	86
38) Bromodichloromethane	6.56	83	13733	0.228	ug/L	99
47) Tetrachloroethene	8.02	164	76024	1.708	ug/L	96
48) 2-Hexanone	8.14	43	55370	2.910	ug/L #	86
49) Dibromochloromethane	8.02	129	66306	1.679	ug/L #	11

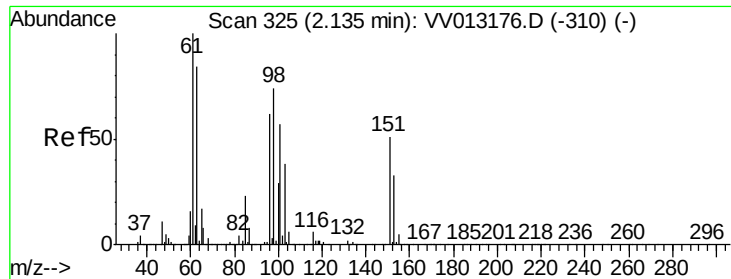
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.106 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

Instrument :

MSVOA_V

ClientSampleId :

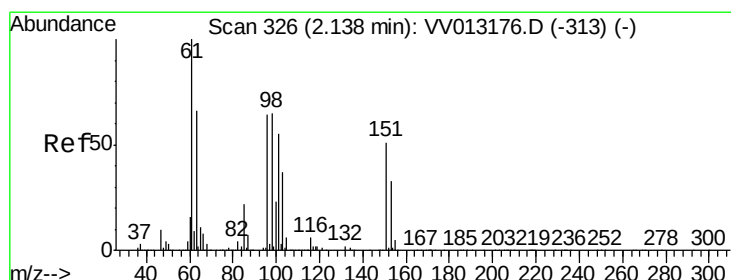
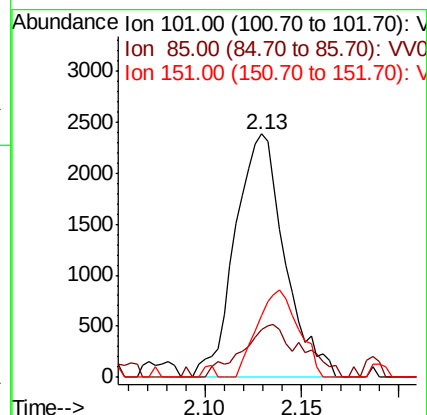
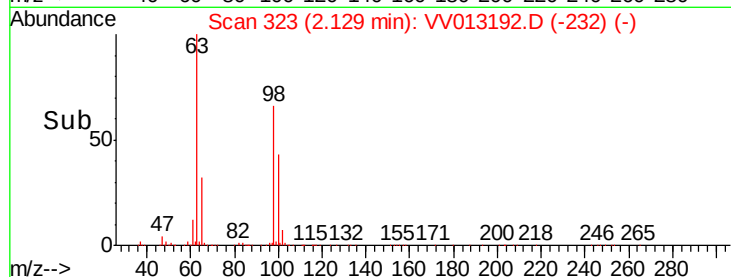
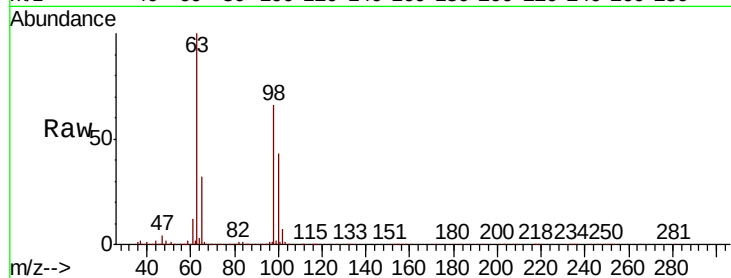
Tot Ion:101 Resp: 4241

Ion Ratio Lower Upper

101 100

85 19.4 32.4 48.6#

151 29.9 71.9 107.9#



#12

1,1-Dichloroethene

Concen: 0.101 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

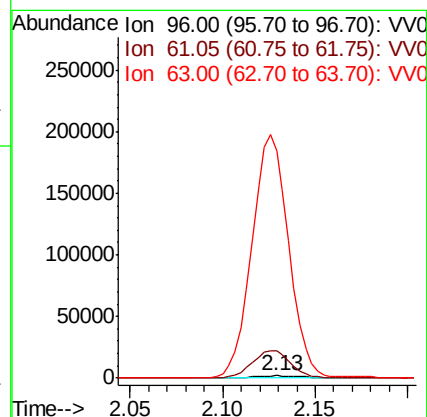
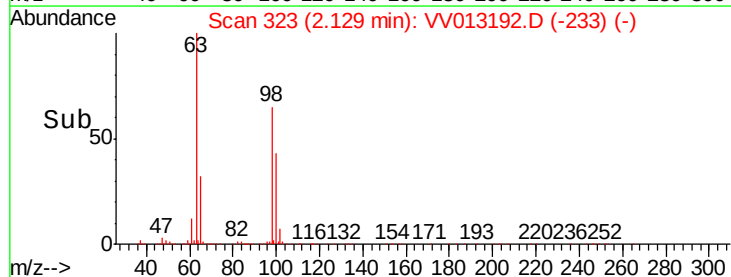
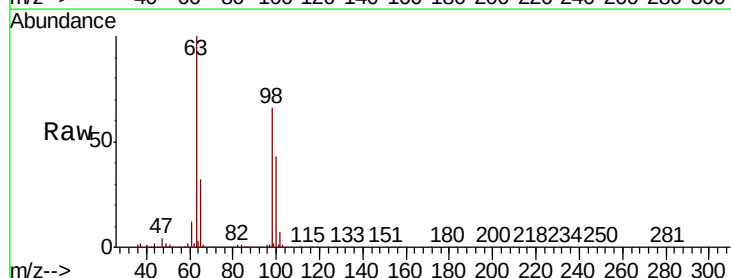
Tgt Ion: 96 Resp: 3841

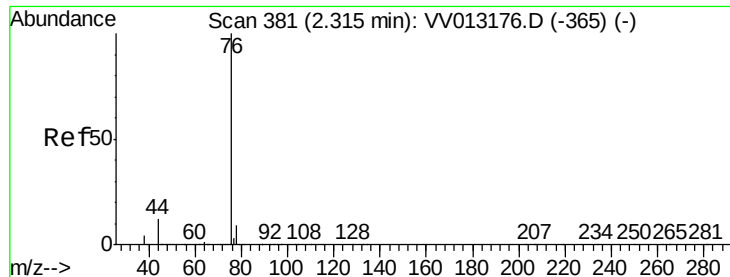
Ion Ratio Lower Upper

96 100

61 1126.6 109.8 204.0#

63 9455.7 72.6 134.8#





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

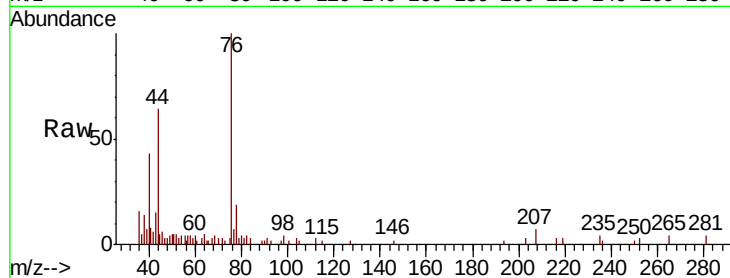
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 7304

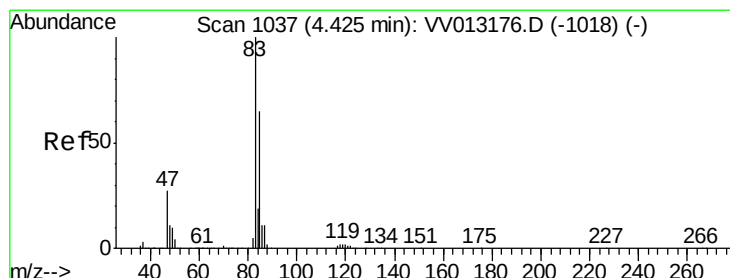
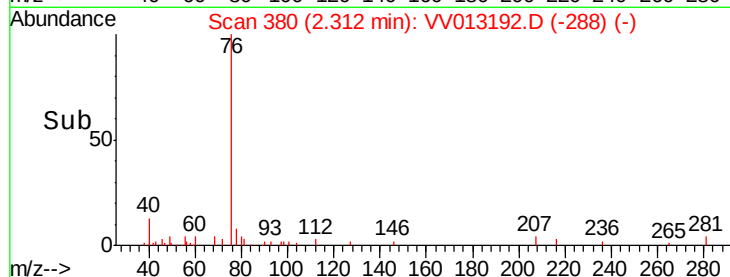
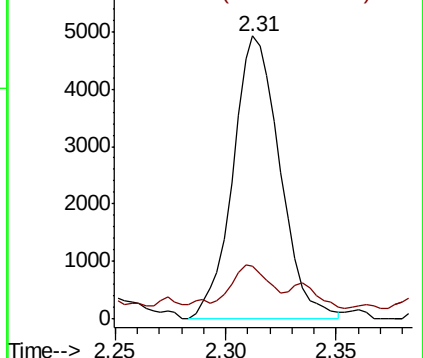
Ion Ratio Lower Upper

76 100

78 18.7 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 3.317 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013192.D

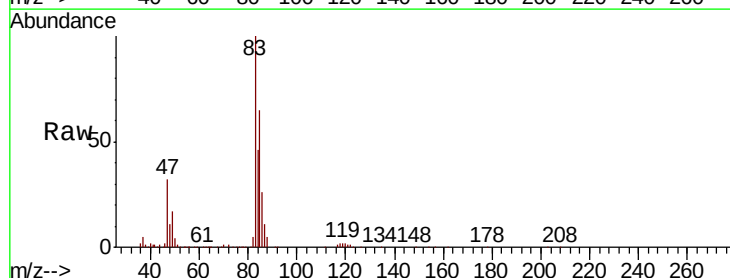
Acq: 18 Oct 2019 01:44

Tgt Ion: 83 Resp: 308168

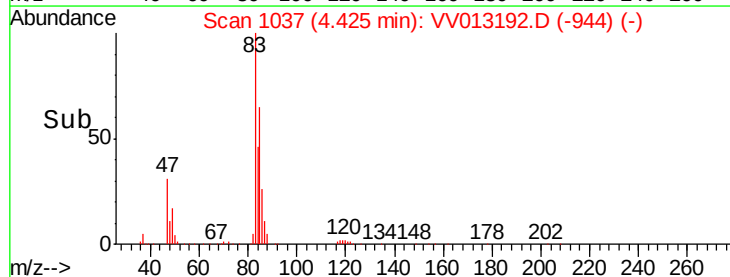
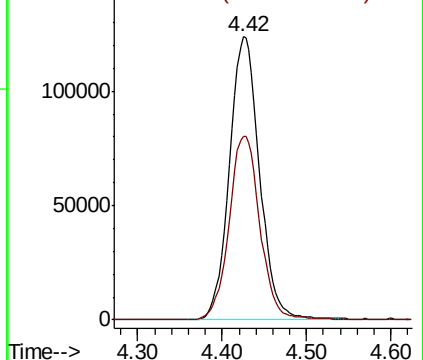
Ion Ratio Lower Upper

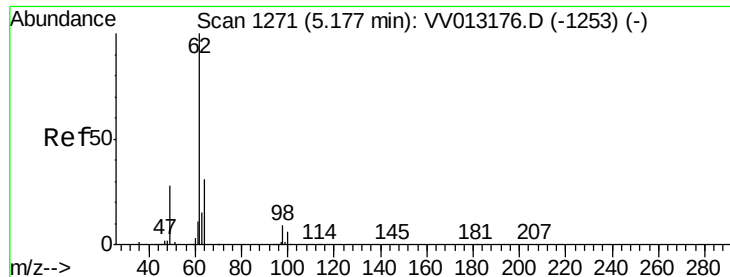
83 100

85 65.0 45.5 84.5



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





#27

1,2-Dichloroethane

Concen: 0.050 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

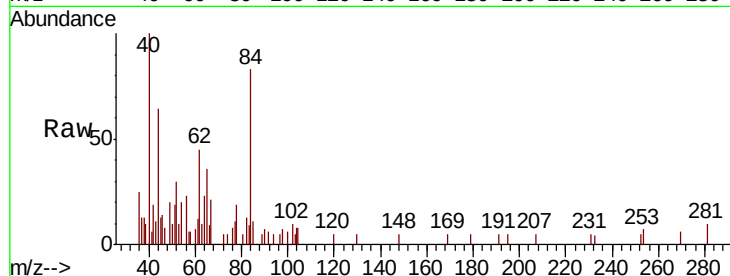
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2535

Ion Ratio Lower Upper

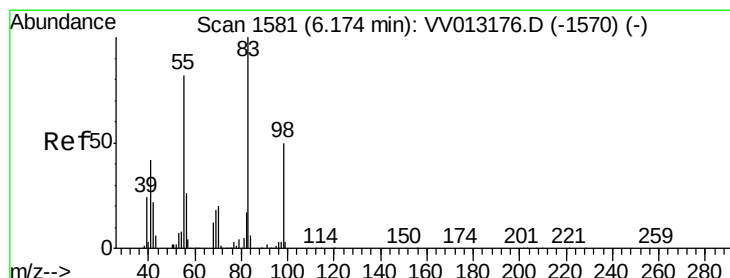
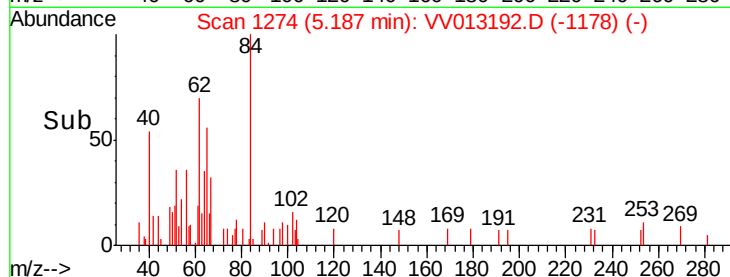
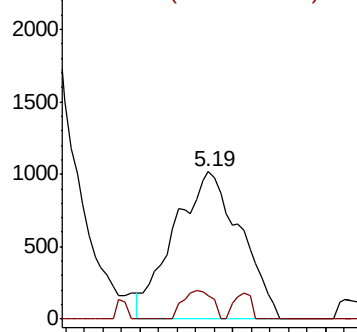
62 100

98 16.2 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#35

Methylcyclohexane

Concen: 0.799 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

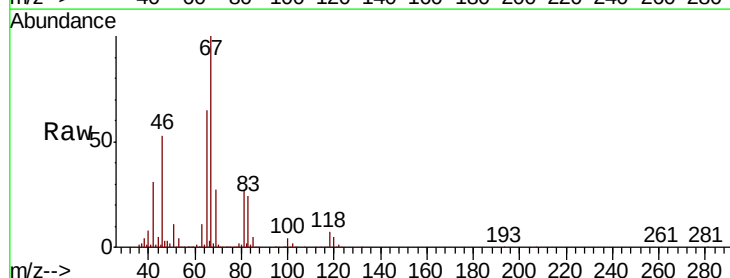
Tgt Ion: 83 Resp: 63787

Ion Ratio Lower Upper

83 100

55 0.9 64.0 96.0#

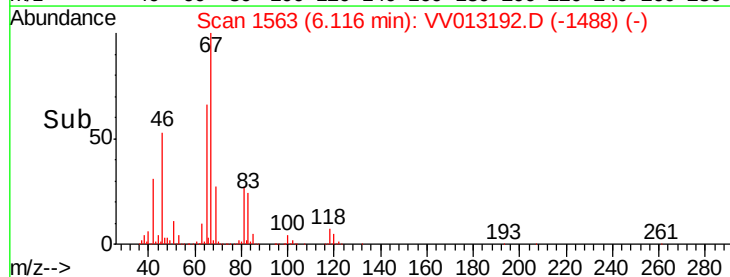
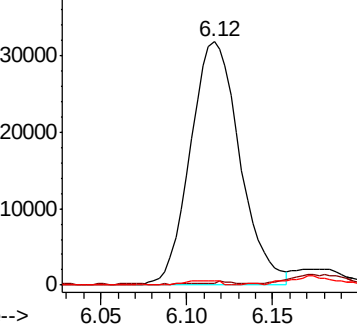
98 1.3 38.6 57.8#

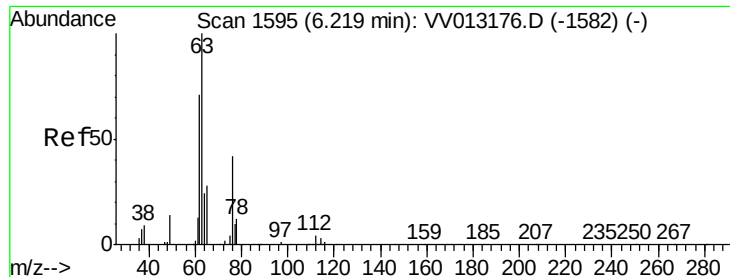


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

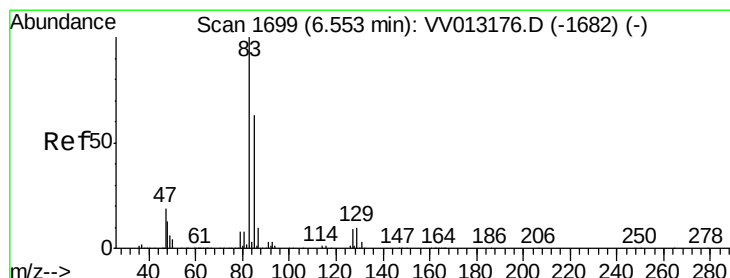
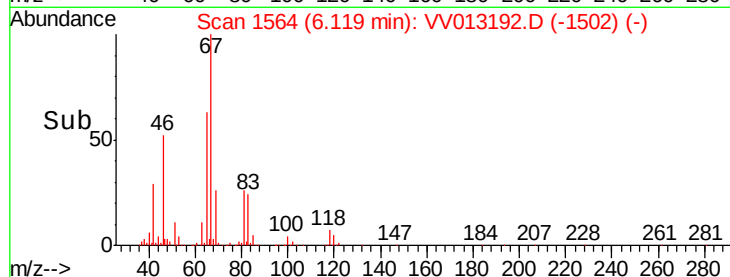
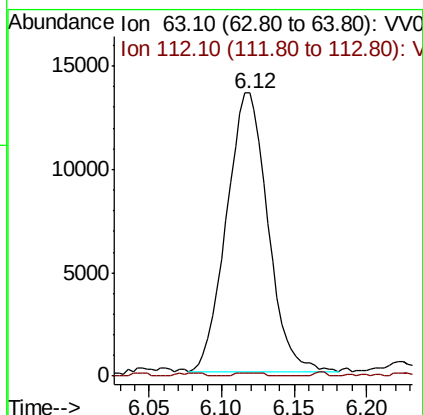
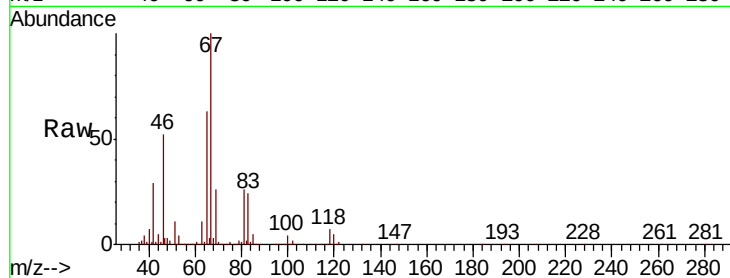




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV013192.D
 Acq: 18 Oct 2019 01:44

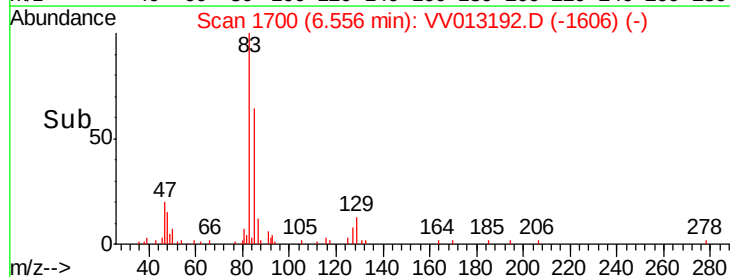
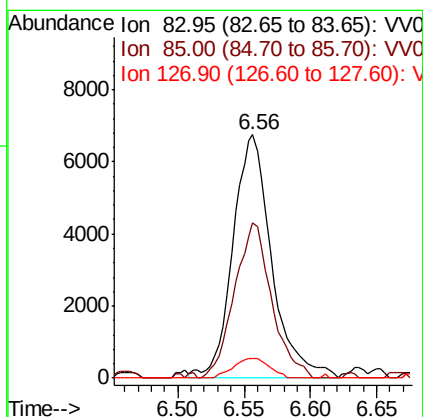
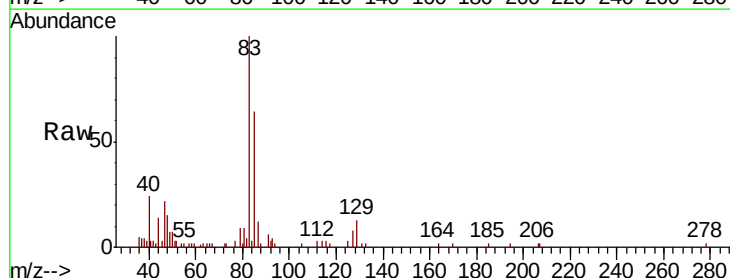
Instrument :
 MSVOA_V
 ClientSampleId :

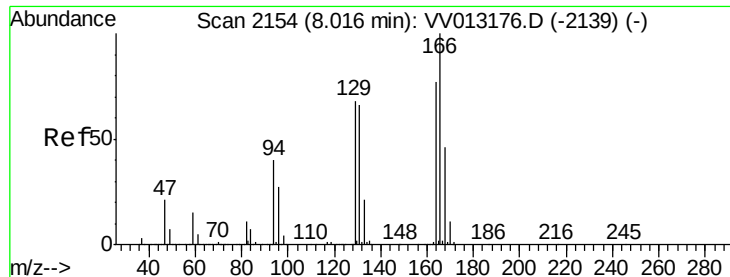
Tot Ion: 63 Resp: 26865
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.228 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013192.D
 Acq: 18 Oct 2019 01:44

Tgt Ion: 83 Resp: 13733
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.0 81.6
 127 8.2 7.0 10.6





#47

Tetrachloroethene

Concen: 1.708 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 76024

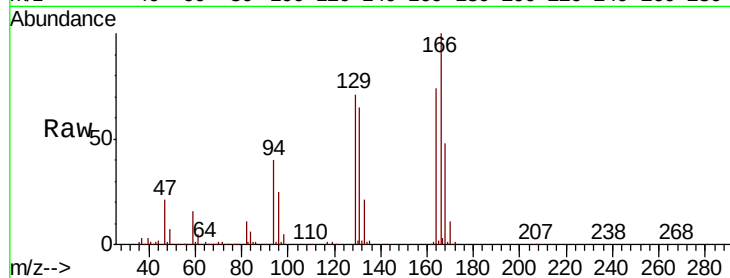
Ion Ratio Lower Upper

164 100

129 95.9 62.2 115.4

131 86.7 59.9 111.3

166 134.4 91.1 169.1

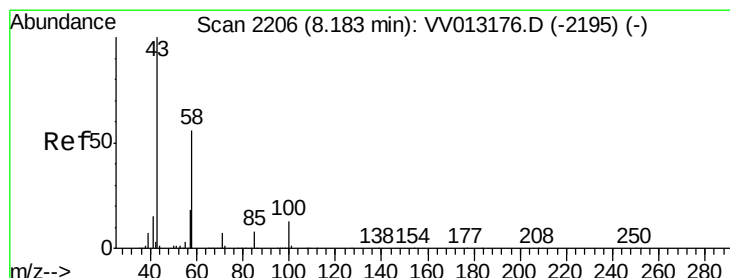
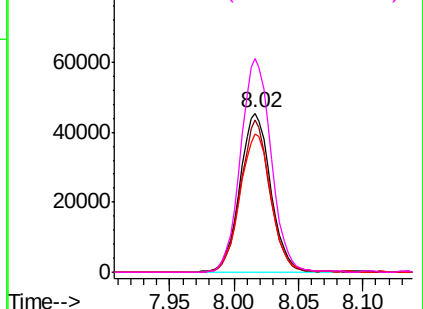
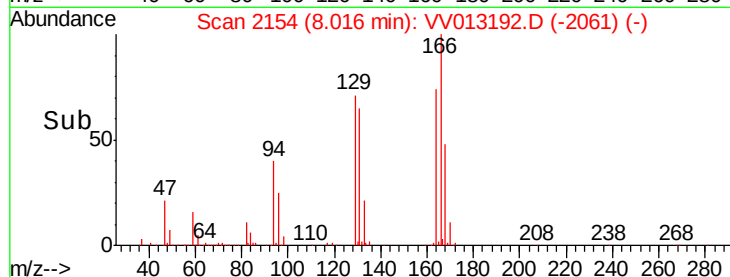


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.910 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

Tgt Ion: 43 Resp: 55370

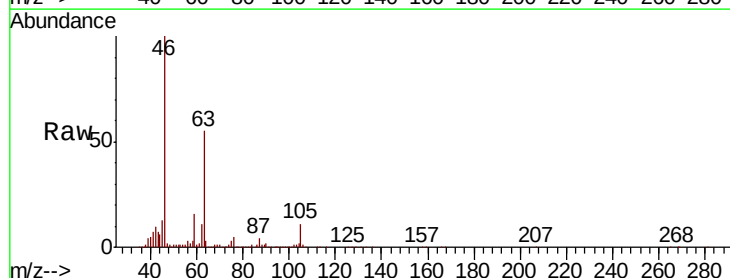
Ion Ratio Lower Upper

43 100

58 51.7 44.2 66.2

57 31.9 14.5 21.7#

100 1.1 9.5 14.3#

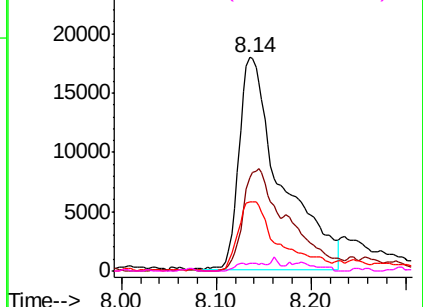
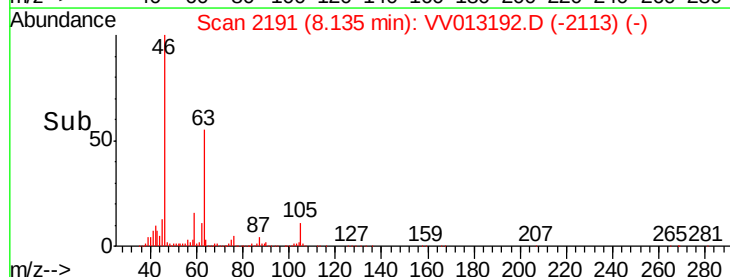


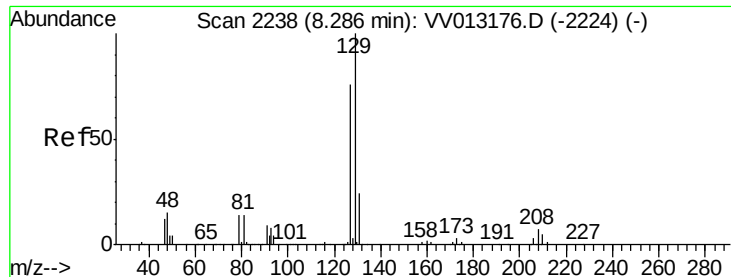
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 1.679 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013192.D

Acq: 18 Oct 2019 01:44

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:129 Resp: 66306

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

