

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012838.D
 Acq On : 16 Sep 2019 15:52
 Operator : SY/MD
 Sample : K4780-15MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 17:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	409449	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	402946	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151536	5.00	ug/L	0.00

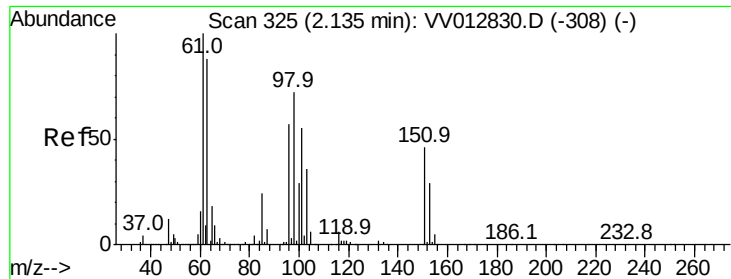
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199737	7.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	140.80%#
7) Chloroethane-d5	1.58	69	169842	7.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	152.80%#
11) 1,1-Dichloroethene-d2	2.13	63	302519	6.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	128.80%#
20) 2-Butanone-d5	3.98	46	459280	117.17	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	234.34%#
24) Chloroform-d	4.40	84	328864	7.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	147.60%#
26) 1,2-Dichloroethane-d4	5.08	65	173508	8.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	169.20%#
32) Benzene-d6	5.09	84	673262	7.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	153.00%#
36) 1,2-Dichloropropane-d6	6.12	67	213361	7.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	159.20%#
41) Toluene-d8	7.36	98	540750	6.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	136.80%#
43) trans-1,3-Dichloropropene-	7.66	79	62294	7.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	144.00%#
46) 2-Hexanone-d5	8.14	63	233860	96.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	192.76%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	118995	8.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	161.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	190966	9.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	181.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2457	0.101	ug/L #	25
12) 1,1-Dichloroethene	2.14	96	108944	4.871	ug/L #	79
25) Chloroform	4.42	83	11816	0.210	ug/L	90
27) 1,2-Dichloroethane	5.14	62	3673	0.126	ug/L #	72
33) Benzene	5.14	78	530782	5.213	ug/L	100
34) Trichloroethene	5.96	95	129274	4.449	ug/L	99
35) Methylcyclohexane	6.12	83	50024	1.401	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	22660	0.827	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	3846	0.113	ug/L #	68
42) Toluene	7.43	91	531389	5.104	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	2720	0.101	ug/L #	63
48) 2-Hexanone	8.19	43	85799	7.430	ug/L #	83
51) Chlorobenzene	8.92	112	374544	5.207	ug/L	98

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



#10

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

Concen: 0.101 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

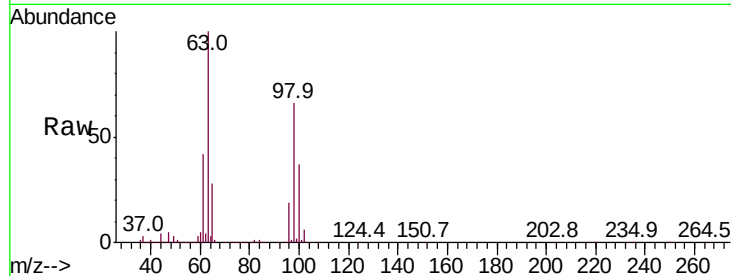
Tot Ion:101 Resp: 2457

Ion Ratio Lower Upper

101 100

85 13.2 32.9 49.3#

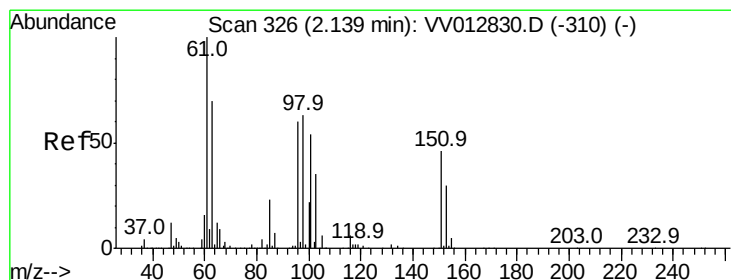
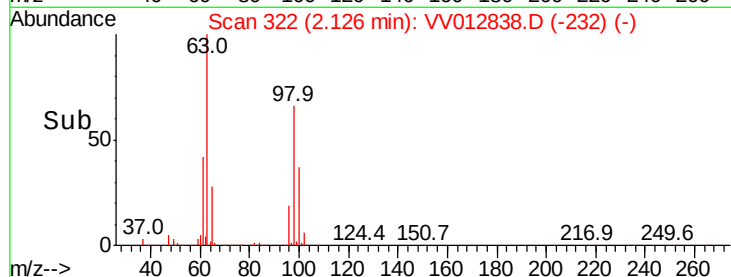
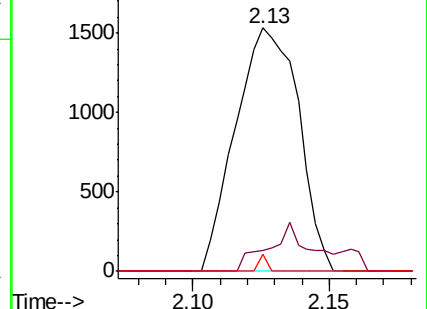
151 0.8 65.0 97.6#



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: 4.871 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

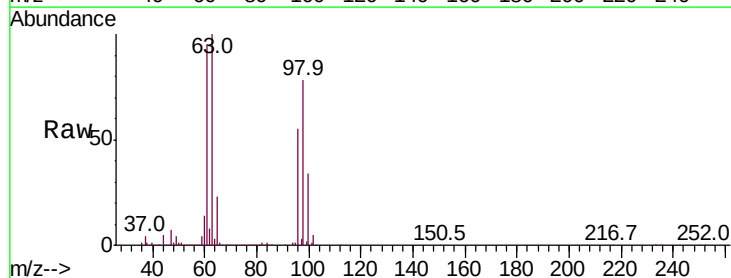
Tgt Ion: 96 Resp: 108944

Ion Ratio Lower Upper

96 100

61 172.7 120.1 223.1

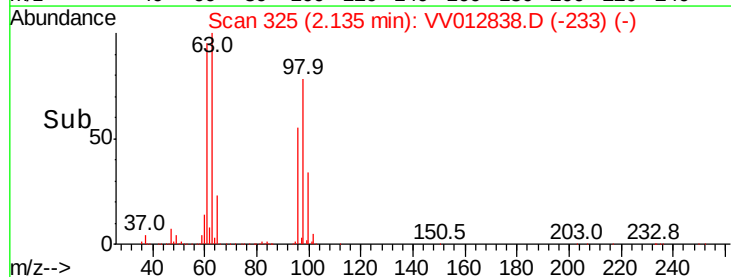
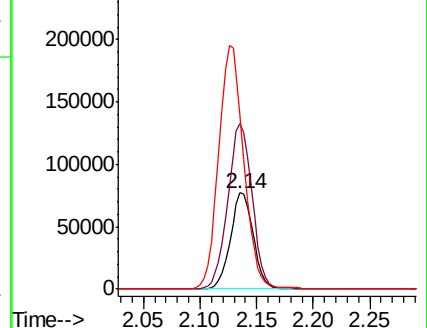
63 182.0 88.3 164.1#

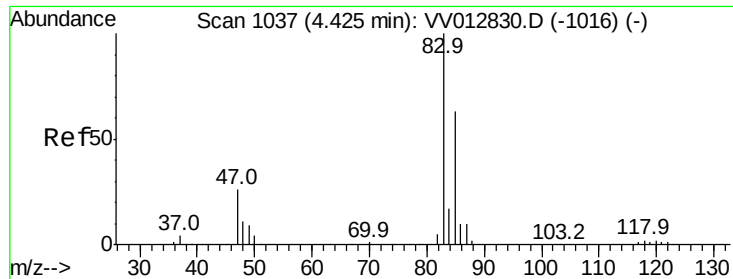


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

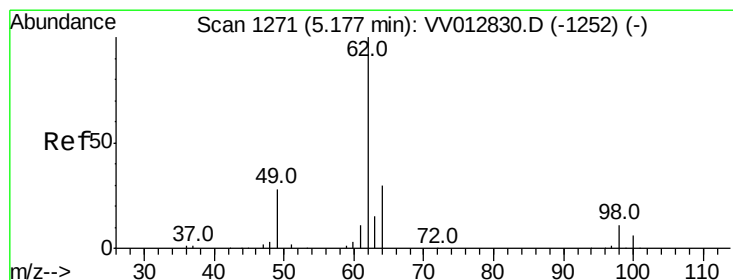
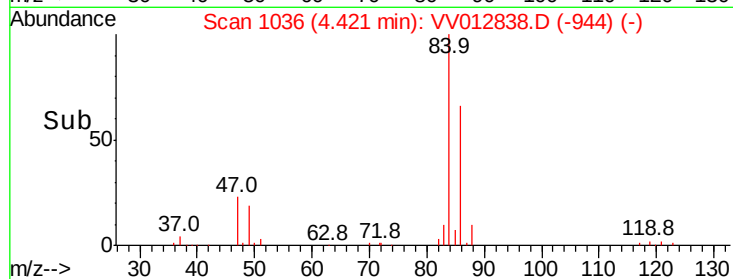
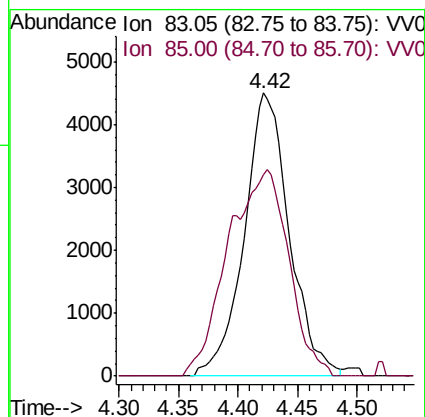
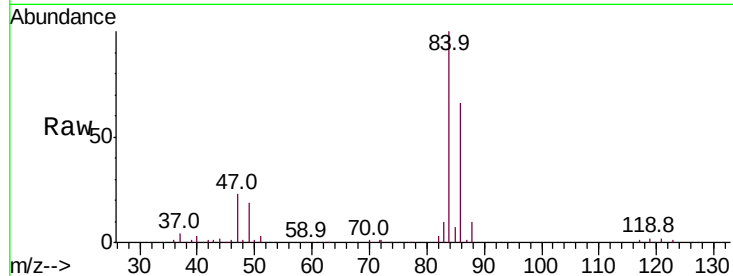




#25
Chloroform
Concen: 0.210 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012838.D
Acq: 16 Sep 2019 15:52

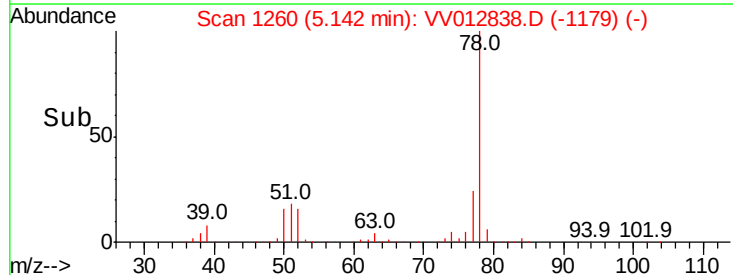
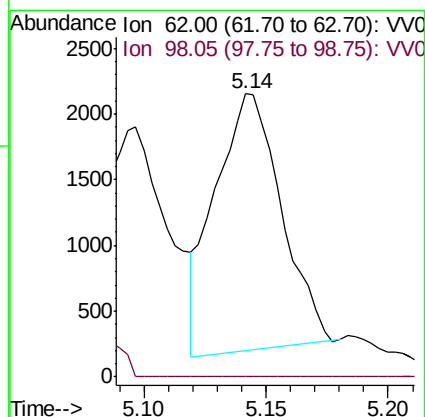
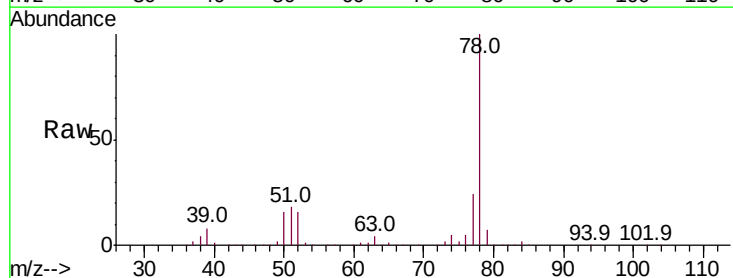
Instrument :
MSVOA_V
ClientSampled :

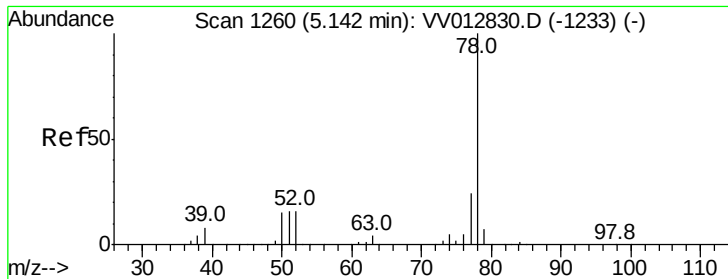
Tot Ion: 83 Resp: 11816
Ion Ratio Lower Upper
83 100
85 71.3 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.126 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.04 min
Lab File: VV012838.D
Acq: 16 Sep 2019 15:52

Tgt Ion: 62 Resp: 3673
Ion Ratio Lower Upper
62 100
98 0.0 8.3 12.5#





#33

Benzene

Concen: 5.213 ug/L

RT: 5.14 min Scan# 1261

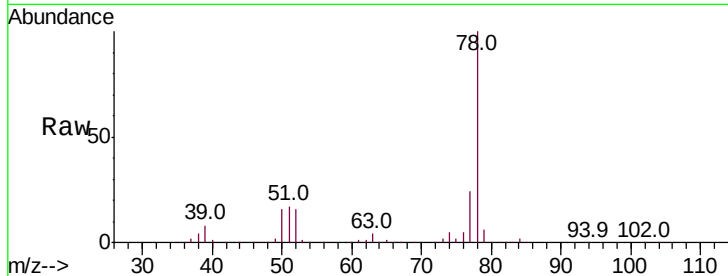
Delta R.T. -0.00 min

Lab File: VV012838.D

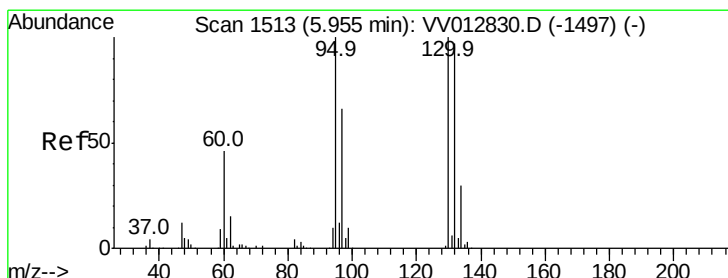
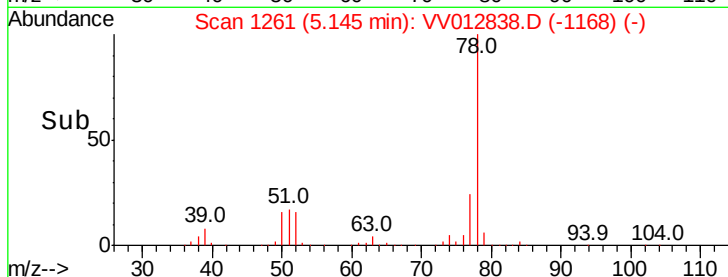
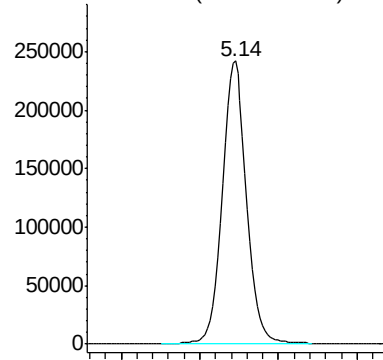
Acq: 16 Sep 2019 15:52

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 530782



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.449 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Tgt Ion: 95 Resp: 129274

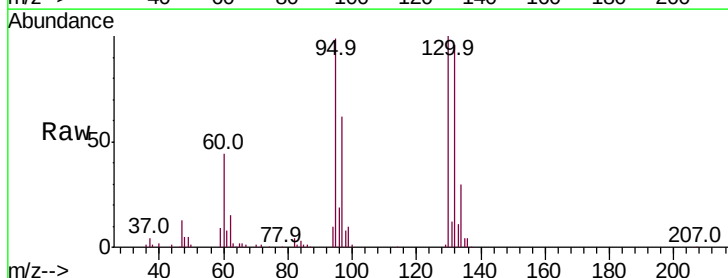
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.4	82.4
132	97.7	69.0	128.1
130	101.3	72.8	135.2

95 100

97 62.8 44.4 82.4

132 97.7 69.0 128.1

130 101.3 72.8 135.2

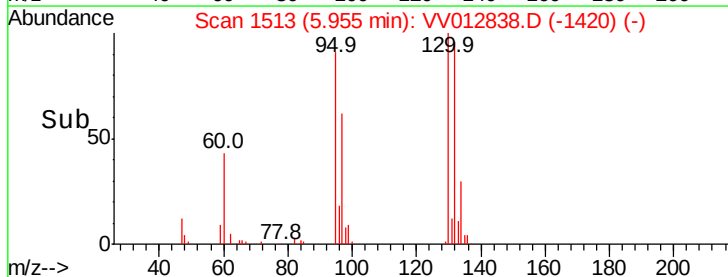
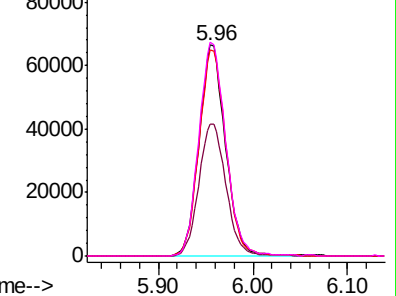


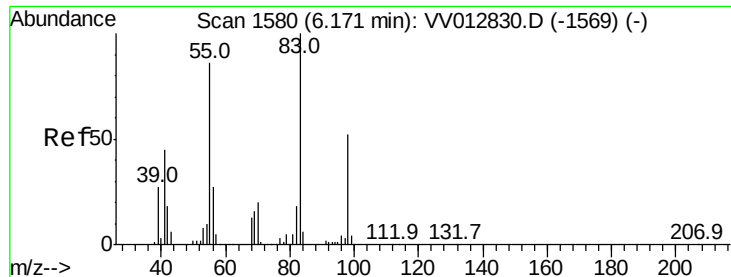
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 1.401 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Instrument :
MSVOA_V
ClientSampleId :

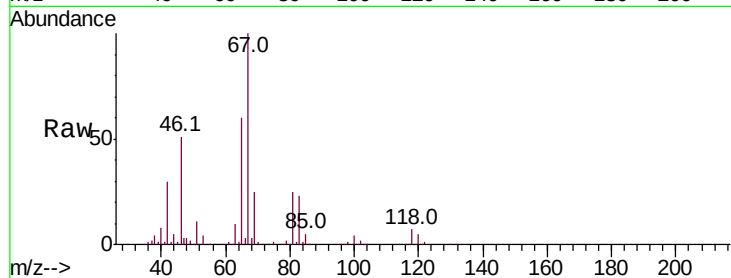
Tot Ion: 83 Resp: 50024

Ion Ratio Lower Upper

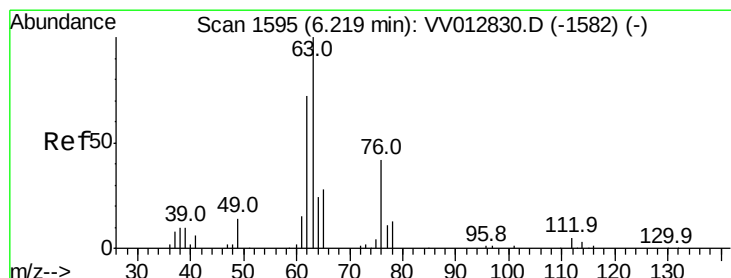
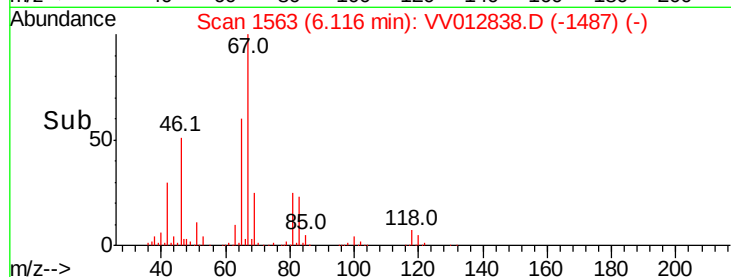
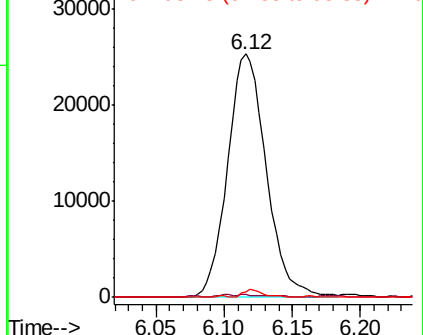
83 100

55 0.6 65.4 98.2#

98 1.6 39.0 58.4#



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: 0.827 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012838.D

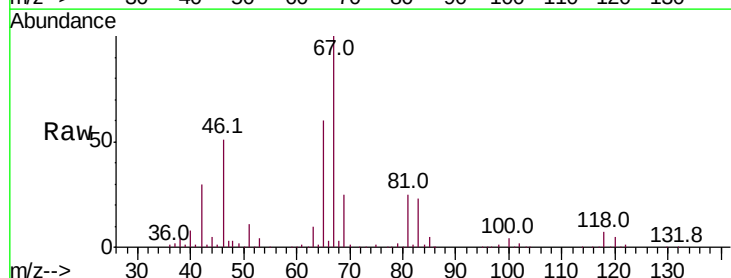
Acq: 16 Sep 2019 15:52

Tgt Ion: 63 Resp: 22660

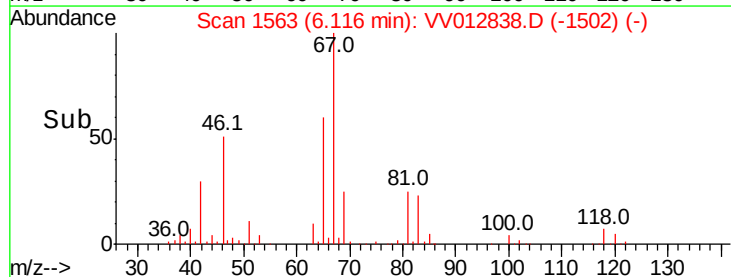
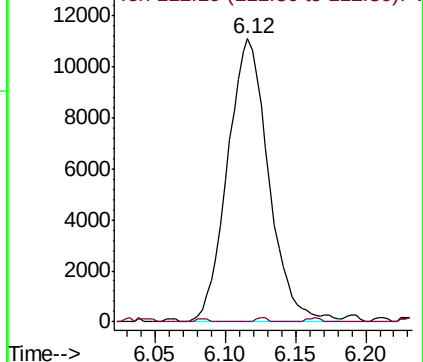
Ion Ratio Lower Upper

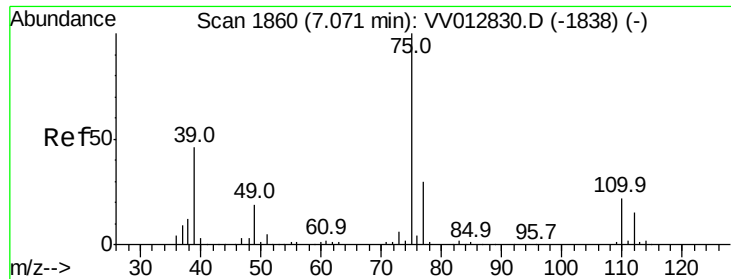
63 100

112 0.4 4.2 6.2#



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

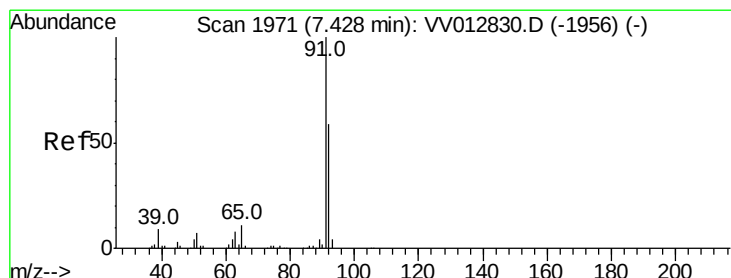
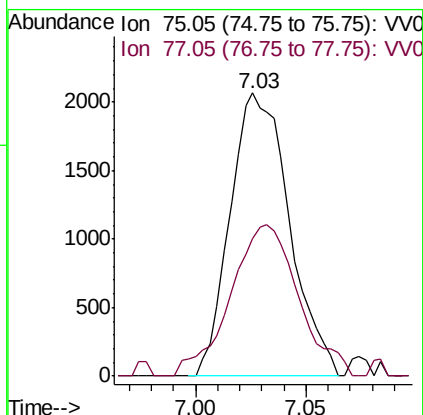
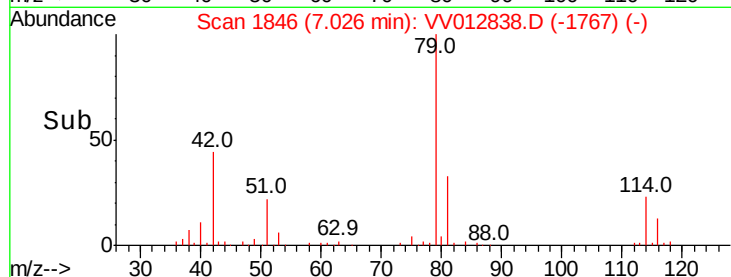
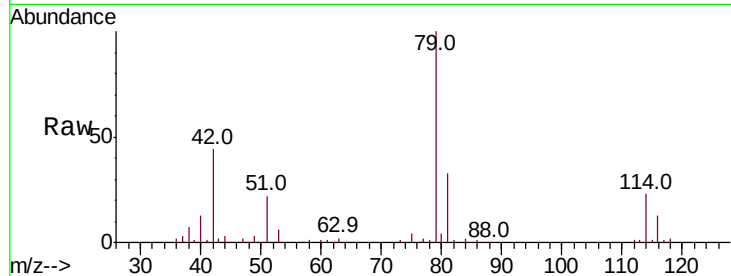




#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012838.D
 Acq: 16 Sep 2019 15:52

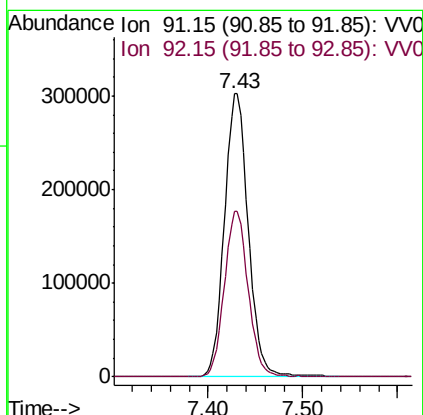
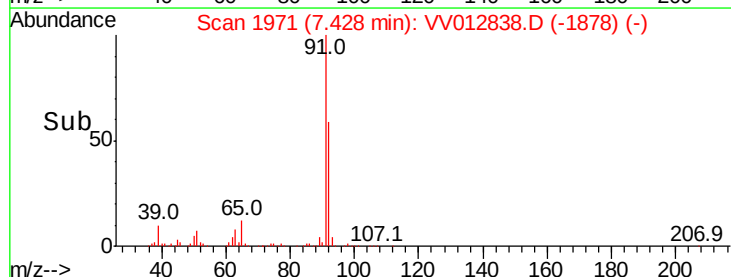
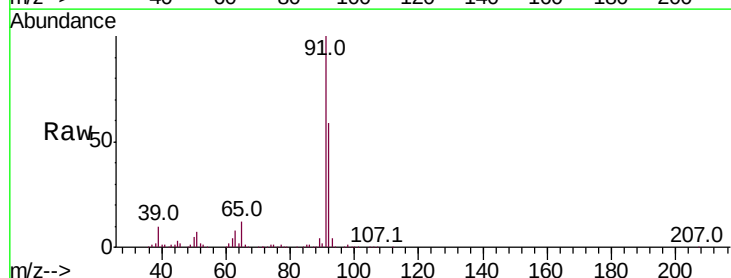
Instrument :
 MSVOA_V
 ClientSampleId :

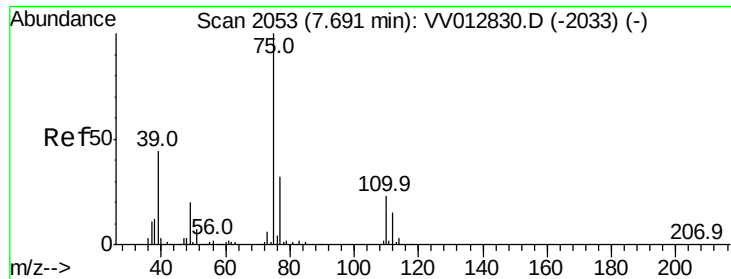
Tot Ion: 75 Resp: 3846
 Ion Ratio Lower Upper
 75 100
 77 48.6 21.8 40.6#



#42
 Toluene
 Concen: 5.104 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV012838.D
 Acq: 16 Sep 2019 15:52

Tgt Ion: 91 Resp: 531389
 Ion Ratio Lower Upper
 91 100
 92 58.6 41.0 76.2





#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Instrument :

MSVOA_V

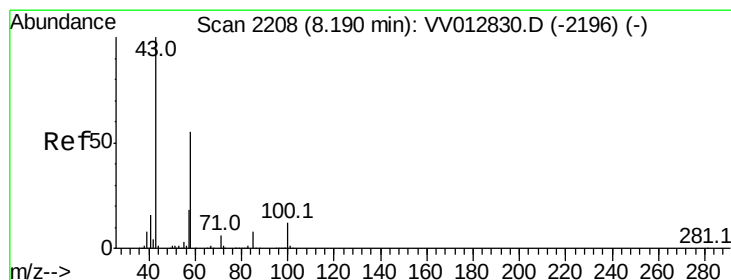
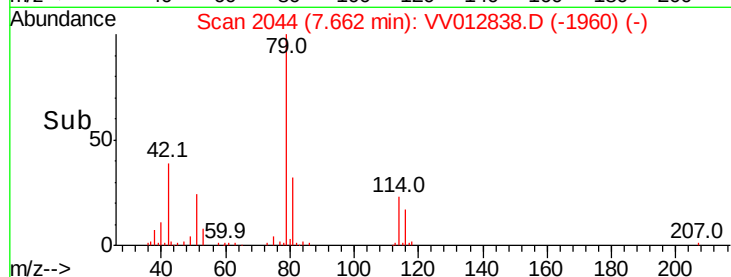
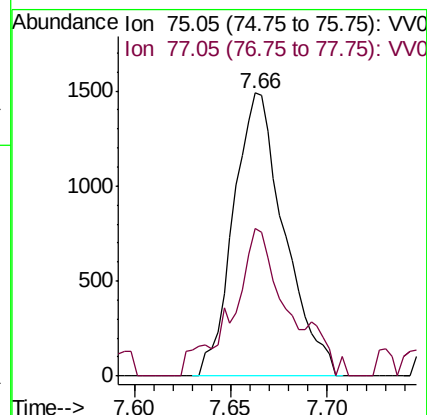
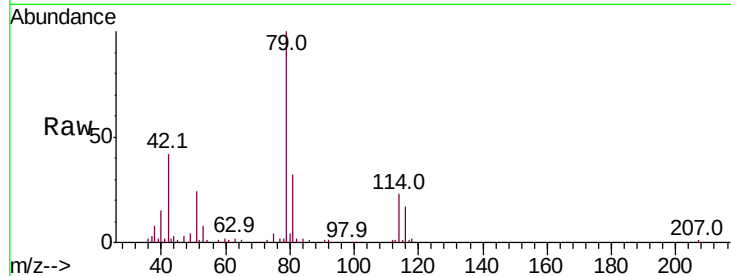
ClientSampleId :

Tot Ion: 75 Resp: 2720

Ion Ratio Lower Upper

75 100

77 52.4 22.3 41.3#



#48

2-Hexanone

Concen: 7.430 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Tgt Ion: 43 Resp: 85799

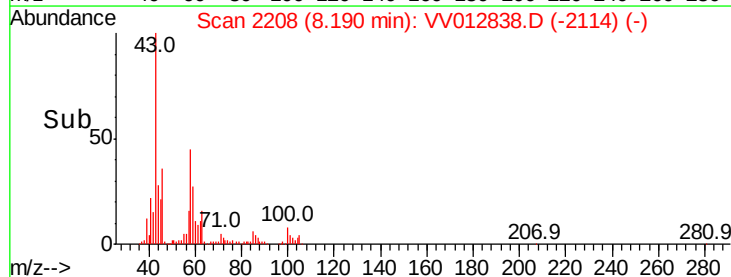
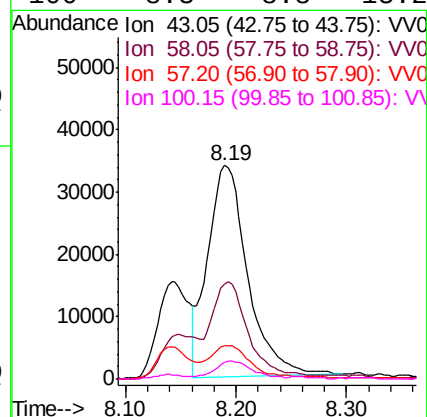
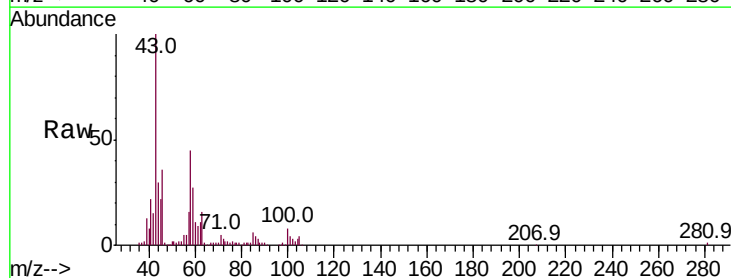
Ion Ratio Lower Upper

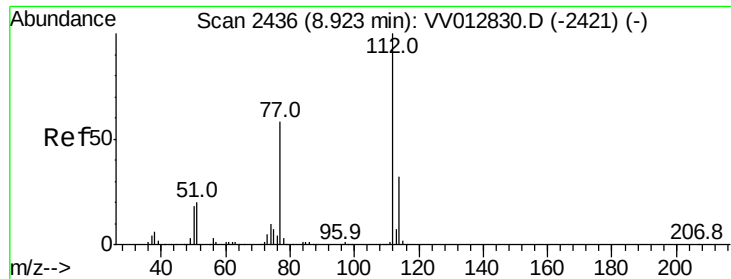
43 100

58 40.4 44.8 67.2#

57 14.5 15.0 22.6#

100 8.3 8.8 13.2#





#51

Chlorobenzene

Concen: 5.207 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012838.D

Acq: 16 Sep 2019 15:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 374544

Ion Ratio Lower Upper

112 100

114 32.7 22.0 41.0

77 58.2 45.7 68.5

