

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017236.D
 Acq On : 15 Nov 2020 14:29
 Operator : SY/VA
 Sample : L4727-08
 Misc : 4.50G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC2

Quant Time: Nov 16 09:56:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	356019	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	262791	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	74868	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88039	19.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.52%
7) Chloroethane-d5	2.90	69	79438	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.96%
10) 1,1-Dichloroethene-d2	4.02	63	128160	15.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.92%
20) 2-Butanone-d5	7.08	46	42036	41.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.84%
24) Chloroform-d	7.65	84	198866	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.31	65	106875	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.48%
29) Benzene-d6	8.27	84	364656	27.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.00%
33) 1,2-Dichloropropane-d6	9.27	67	104762	28.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.20%
37) Toluene-d8	10.33	98	300522	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.58	79	42135	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.00%
39) 2-Hexanone-d5	10.93	63	34169	52.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	69536	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	63224	23.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.88%

Target Compounds

					Ovalue
13) Acetone	4.14	43	1269	1.890 ug/L	96
16) Methylene chloride	4.92	84	8663	1.805 ug/L	88
35) Trichloroethene	8.85	95	10038	2.597 ug/L #	2
36) Methylcyclohexane	9.27	83	27923	4.489 ug/L #	21
40) 1,2-Dichloropropane	9.28	63	12729	3.946 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	3604	0.705 ug/L #	71
43) 4-Methyl-2-pentanone	10.21	43	1775	0.892 ug/L #	78
44) Toluene	10.39	91	3703	0.244 ug/L	92
45) trans-1,3-Dichloropropene	10.58	75	2151	0.490 ug/L	95
46) 1,1,2-Trichloroethane	10.76	97	2121	0.763 ug/L #	25
53) Ethylbenzene	11.74	91	5520	0.325 ug/L	98
54) m,p-Xylene	11.84	106	3807	0.574 ug/L	86
55) o-xylene	12.16	106	4704	0.747 ug/L	99
57) Isopropylbenzene	12.46	105	15352	0.898 ug/L #	94
58) 1,1,2,2-Tetrachloroethane	12.69	83	1781	0.554 ug/L #	77
66) 1,2-Dibromo-3-chloropropan	14.46	75	16207	58.365 ug/L #	1
68) 1,2,4-trichlorobenzene	15.13	180	3553	1.297 ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Mon Nov 16 09:47:42 2020
Response via : Initial Calibration

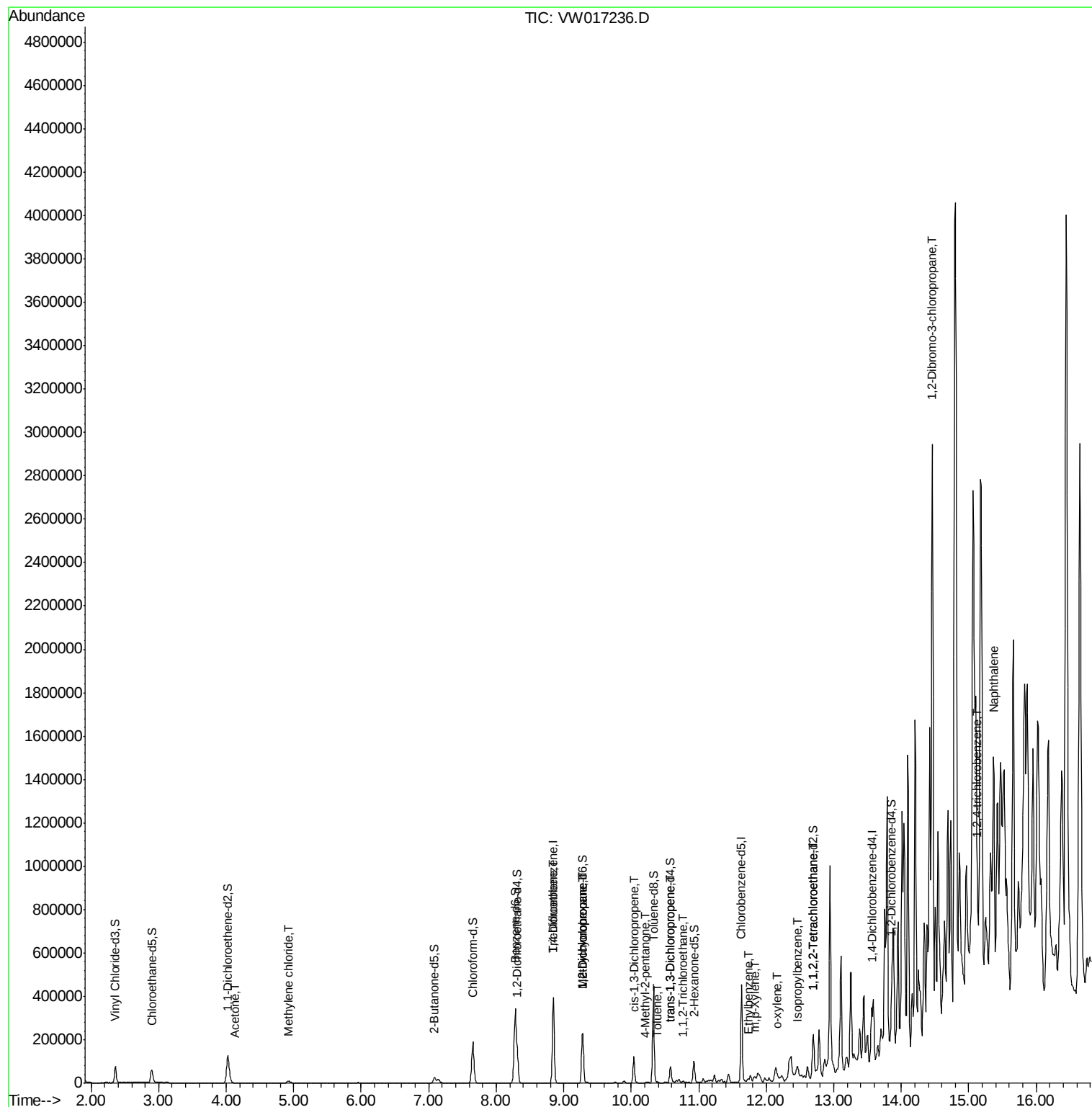
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	15.36	128	815231	161.751	ug/L	97
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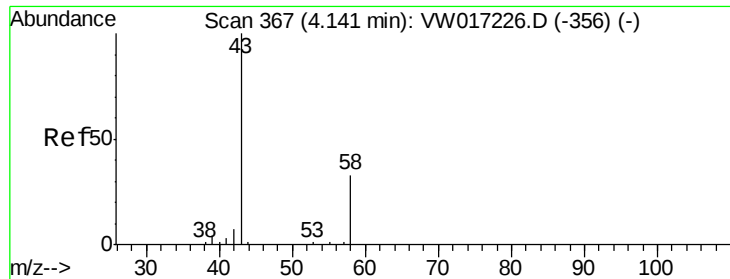
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 1.890 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

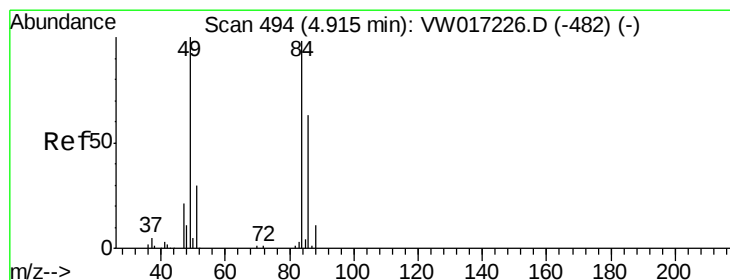
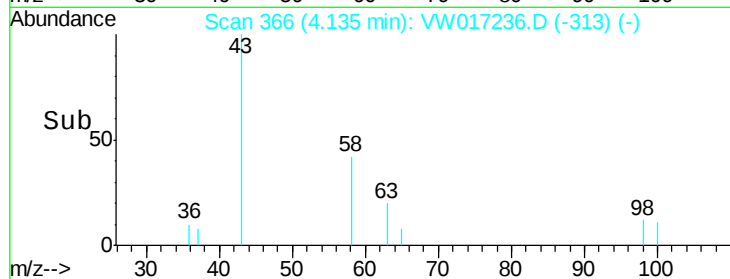
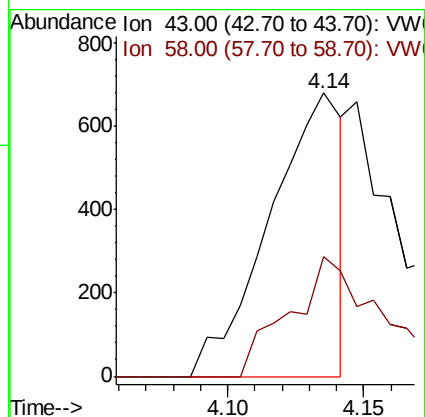
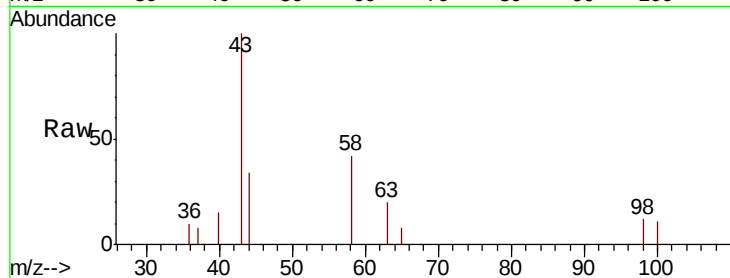
C0AC2

Tot Ion: 43 Resp: 1269

Ion Ratio Lower Upper

43 100

58 36.7 0.0 69.2



#16

Methylene chloride

Concen: 1.805 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

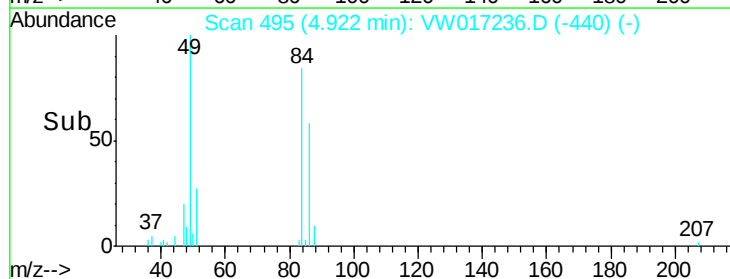
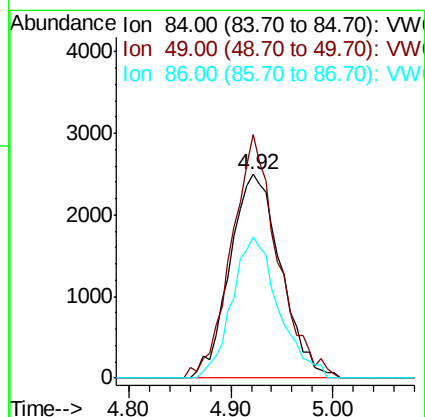
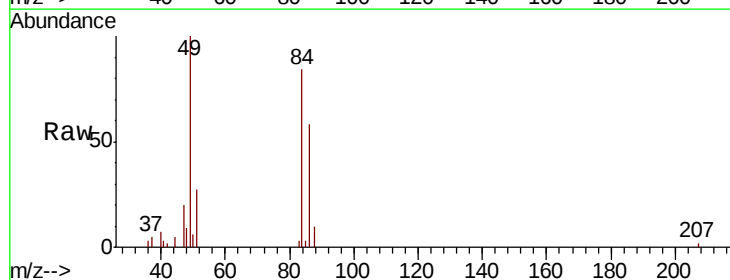
Tgt Ion: 84 Resp: 8663

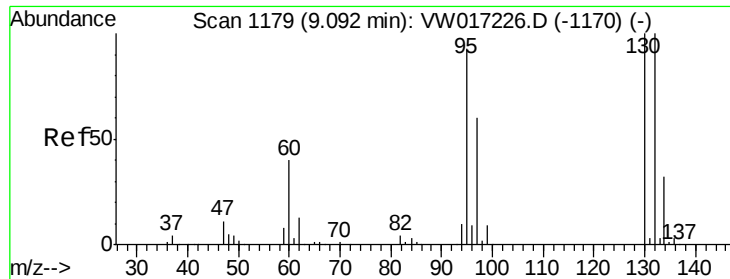
Ion Ratio Lower Upper

84 100

49 119.6 72.3 134.3

86 69.3 45.1 83.7





#35

Trichloroethene

Concen: 2.597 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

C0AC2

Tot Ion: 95 Resp: 10038

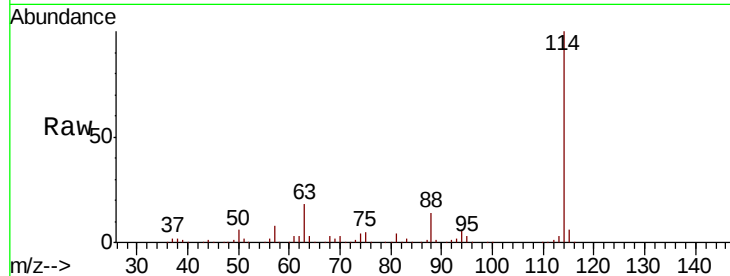
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

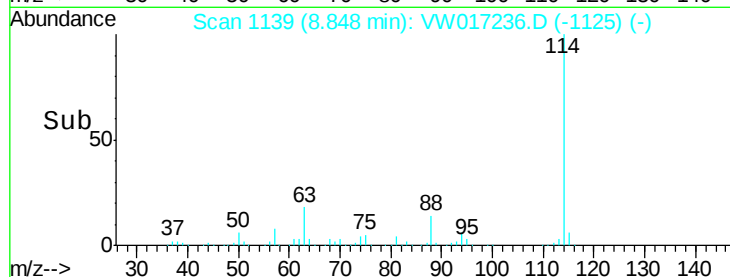


Abundance Ion 95.00 (94.70 to 95.70): VW

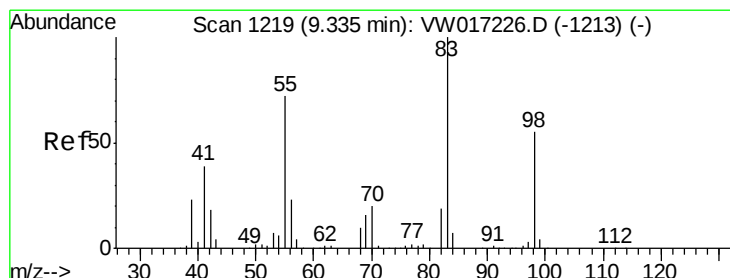
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



Time-->



#36

Methylcyclohexane

Concen: 4.489 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

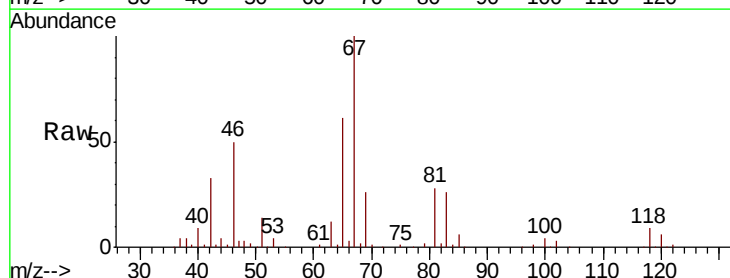
Tgt Ion: 83 Resp: 27923

Ion Ratio Lower Upper

83 100

55 0.1 54.4 81.6#

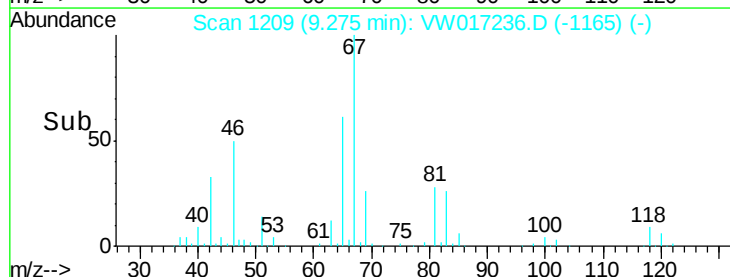
98 1.0 40.5 60.7#



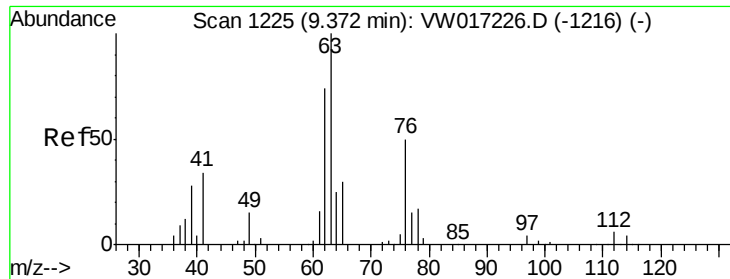
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



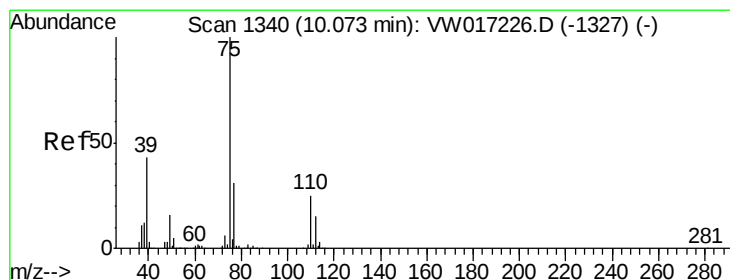
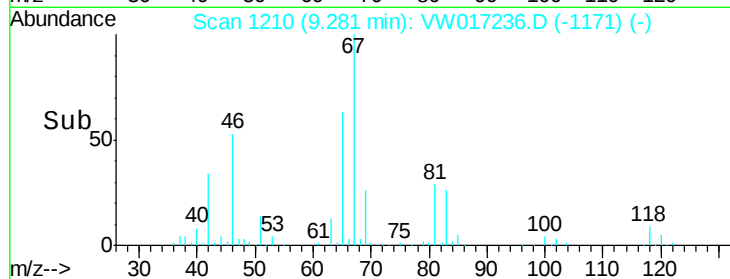
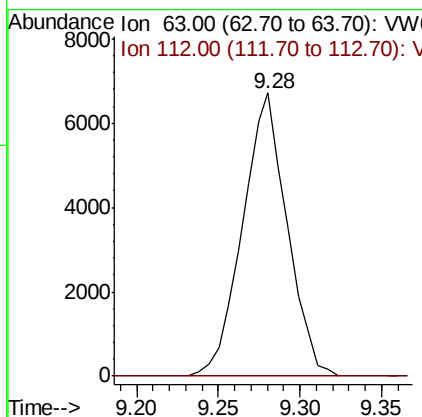
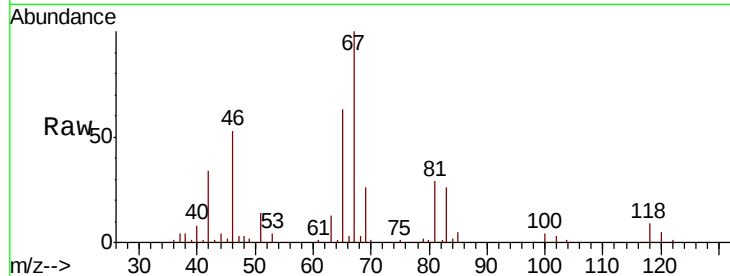
Time-->



#40
 1,2-Dichloropropane
 Concen: 3.946 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW017236.D
 Acq: 15 Nov 2020 14:29

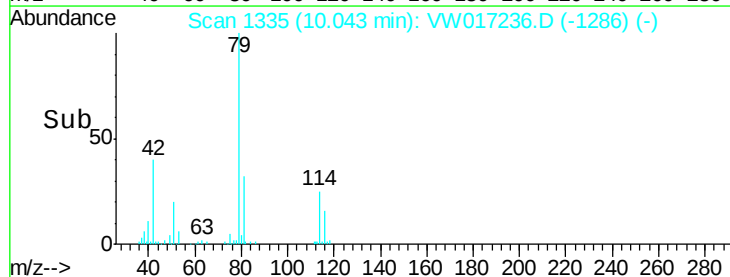
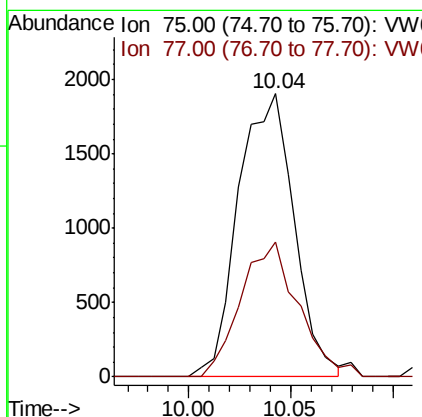
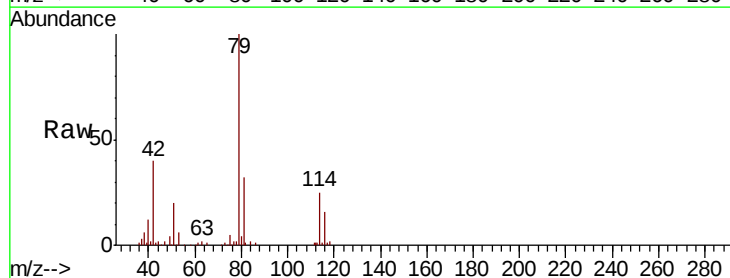
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC2

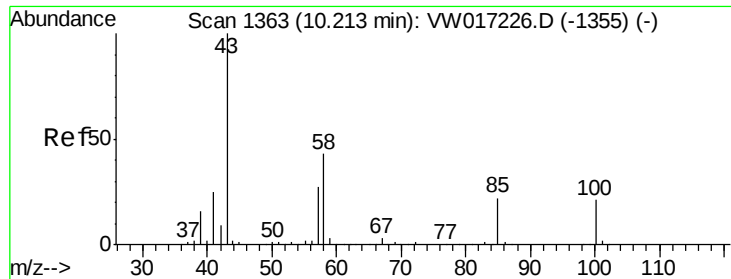
Tot Ion: 63 Resp: 12729
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.705 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW017236.D
 Acq: 15 Nov 2020 14:29

Tgt Ion: 75 Resp: 3604
 Ion Ratio Lower Upper
 75 100
 77 47.8 22.0 41.0#

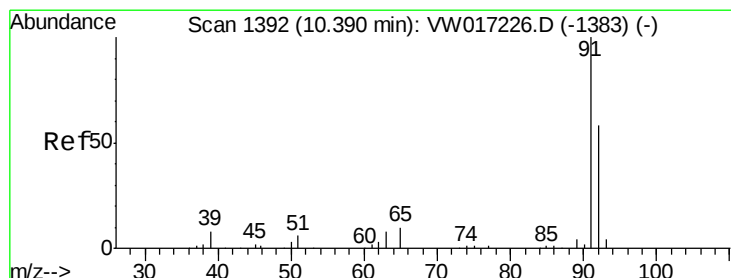
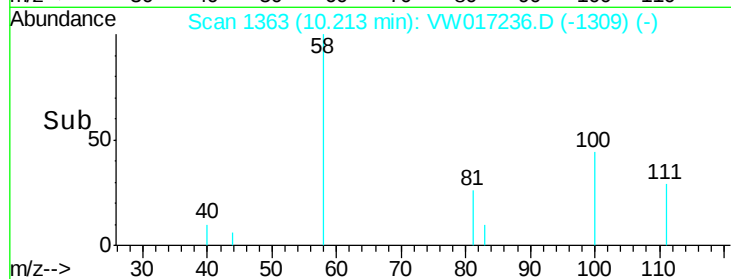
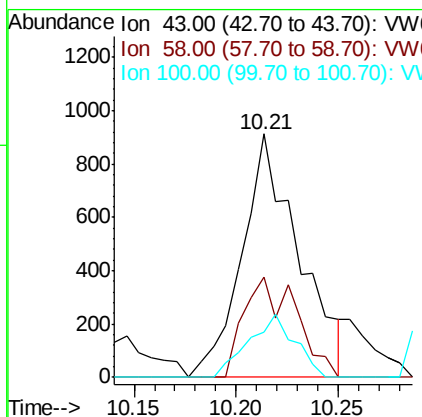
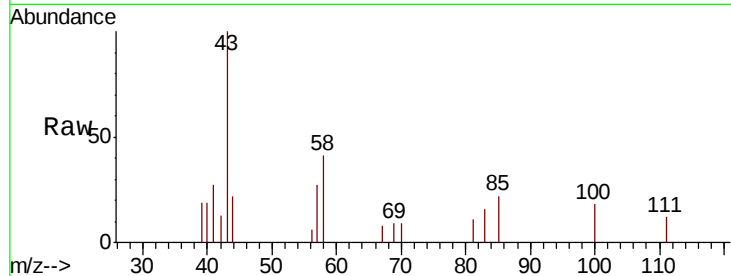




#43
4-Methyl-2-pentanone
Concen: 0.892 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

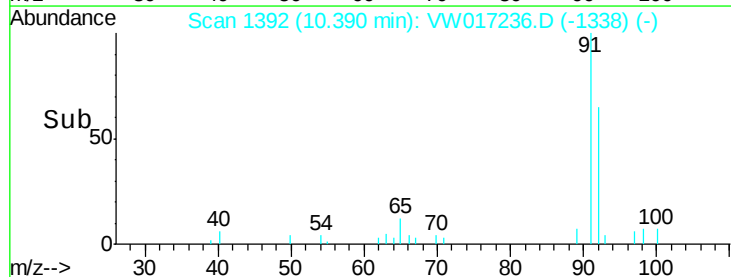
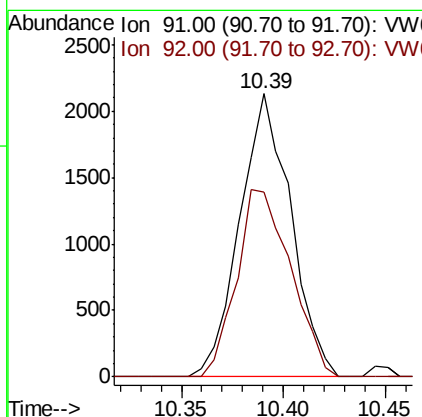
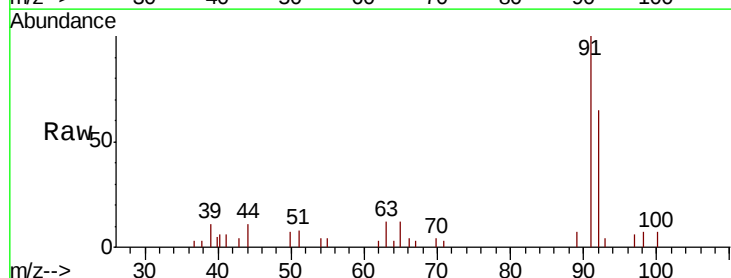
Instrument :
MSVOA_W
ClientSampled :
C0AC2

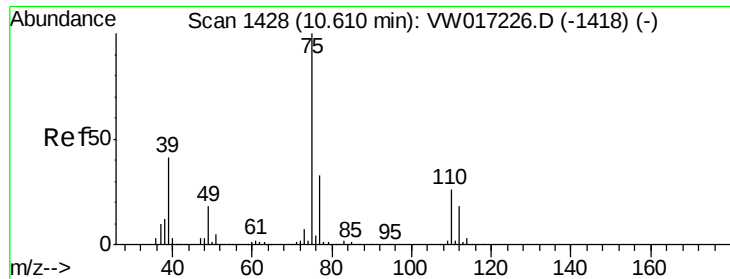
Tot Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
58 22.8 35.0 52.6#
100 21.0 16.6 24.8



#44
Toluene
Concen: 0.244 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

Tgt Ion: 91 Resp: 3703
Ion Ratio Lower Upper
91 100
92 65.2 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.490 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Instrument :

MSVOA_W

ClientSampled :

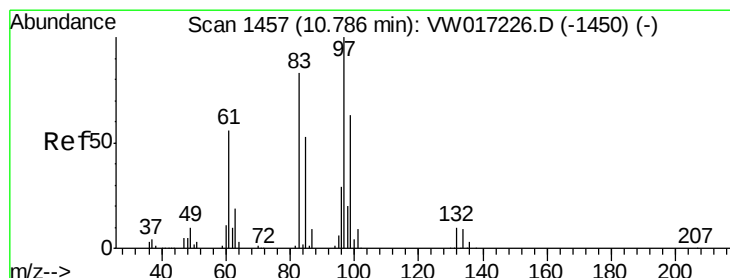
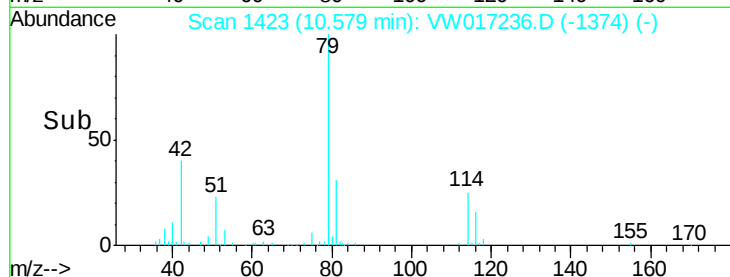
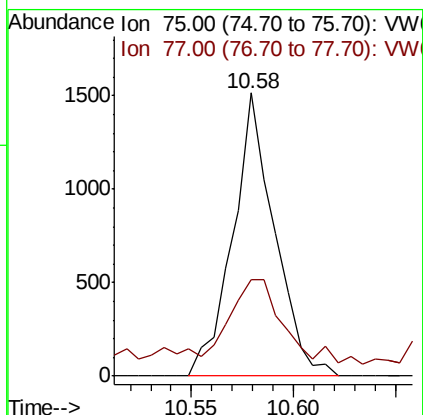
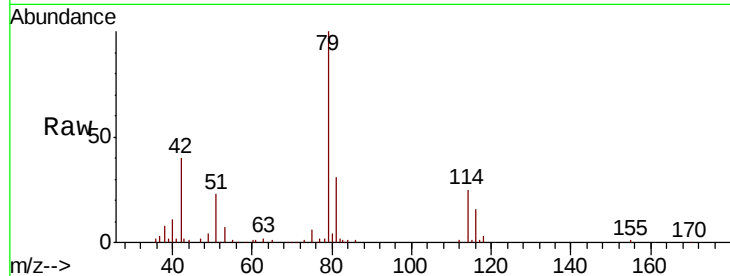
C0AC2

Tot Ion: 75 Resp: 2151

Ion Ratio Lower Upper

75 100

77 34.2 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 0.763 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Tgt Ion: 97 Resp: 2121

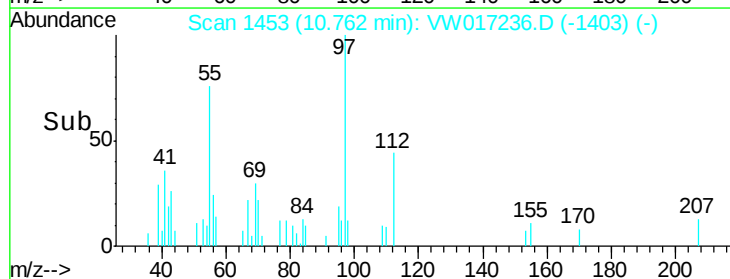
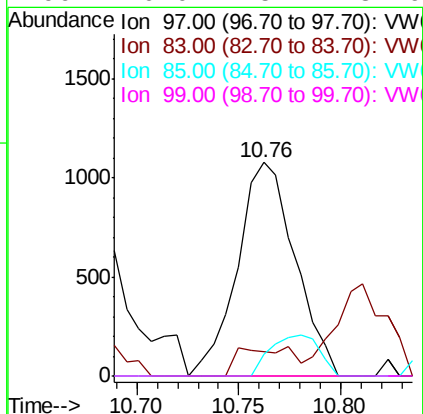
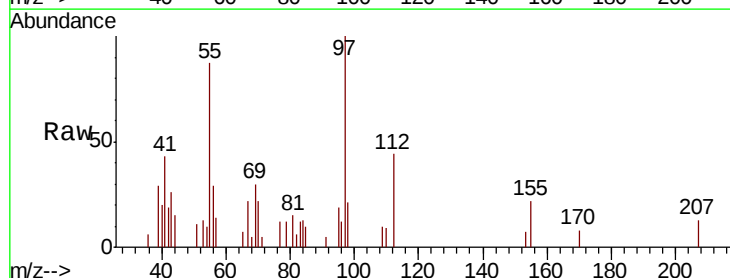
Ion Ratio Lower Upper

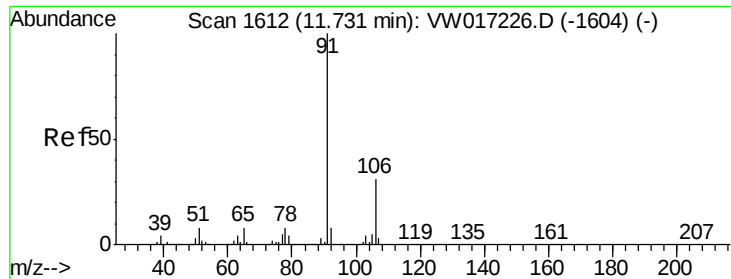
97 100

83 11.5 57.3 106.5#

85 10.2 37.2 69.0#

99 0.0 45.7 84.9#

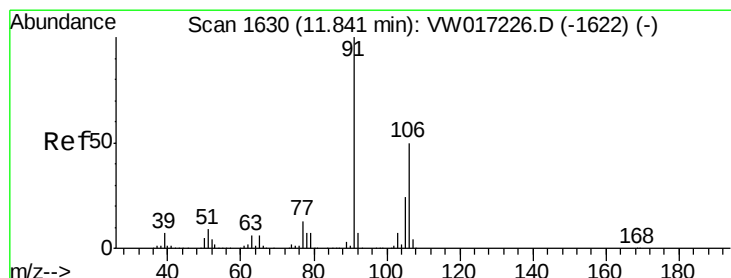
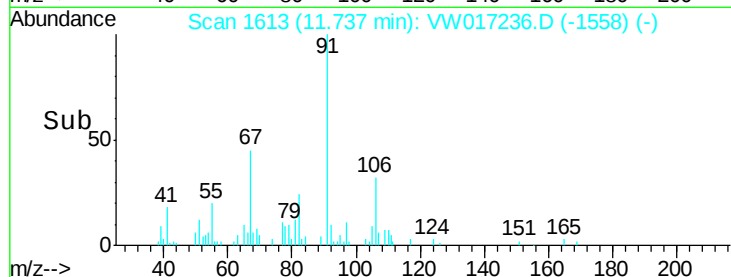
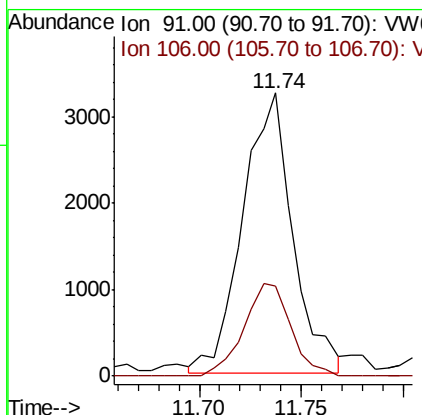
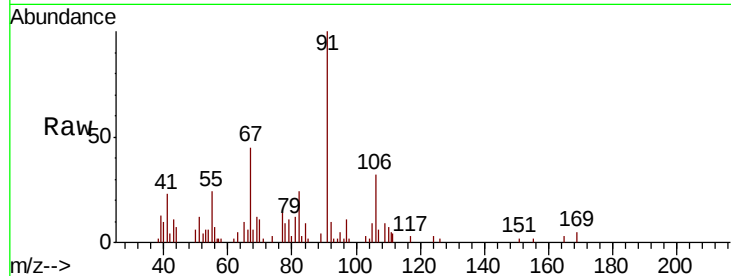




#53
Ethylbenzene
Concen: 0.325 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

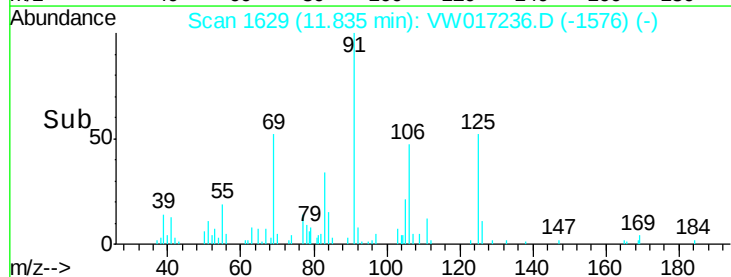
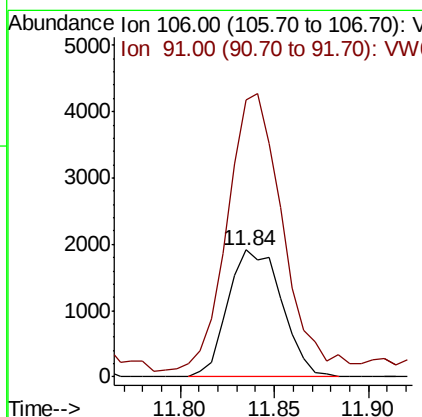
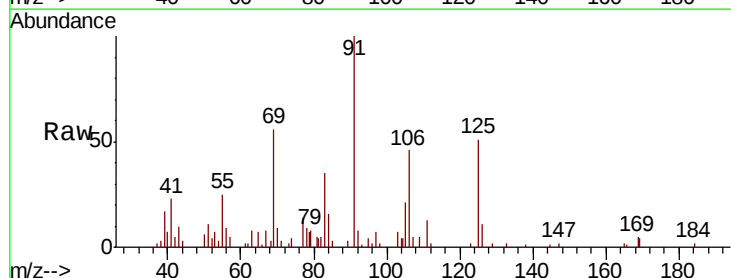
Instrument :
MSVOA_W
ClientSampled :
C0AC2

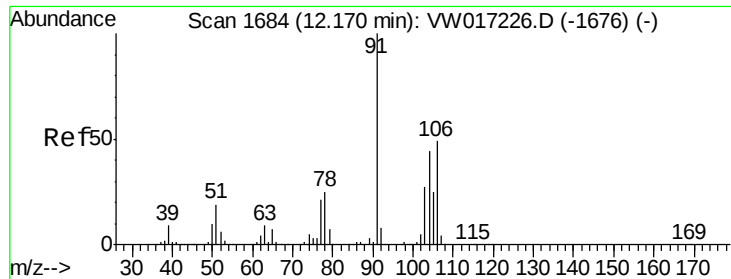
Tot Ion: 91 Resp: 5520
Ion Ratio Lower Upper
91 100
106 31.8 22.9 42.5



#54
m,p-Xylene
Concen: 0.574 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

Tgt Ion: 106 Resp: 3807
Ion Ratio Lower Upper
106 100
91 218.7 138.7 257.5

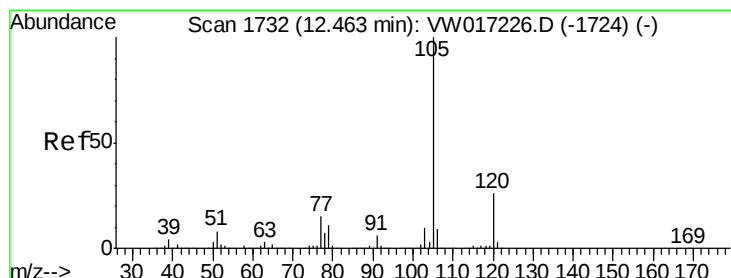
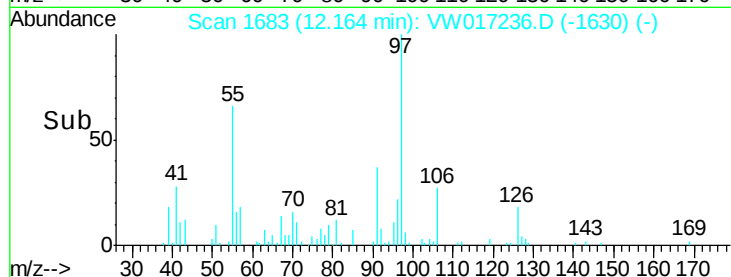
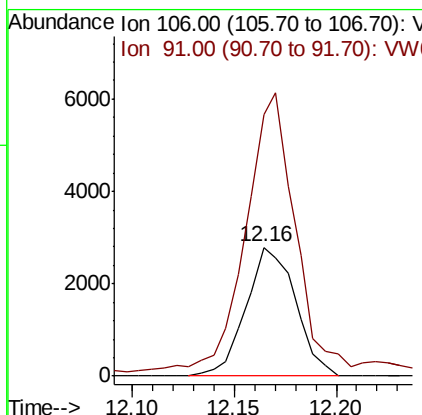
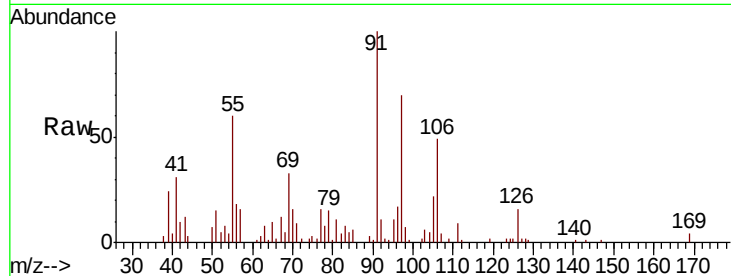




#55
o-xylene
Concen: 0.747 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

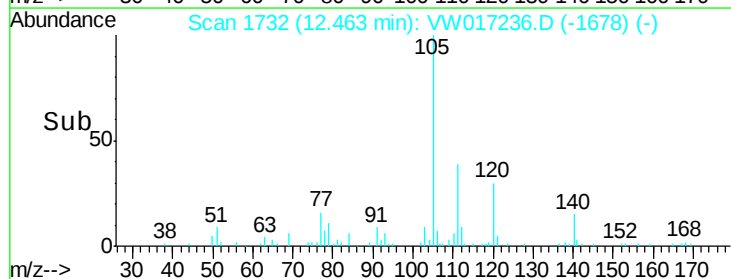
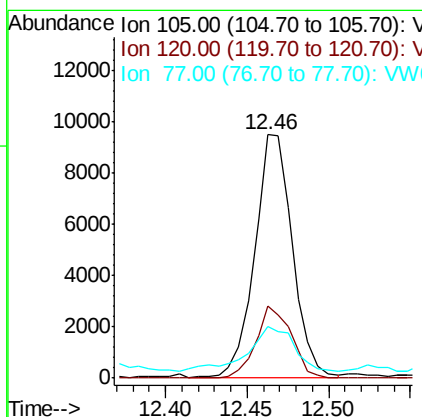
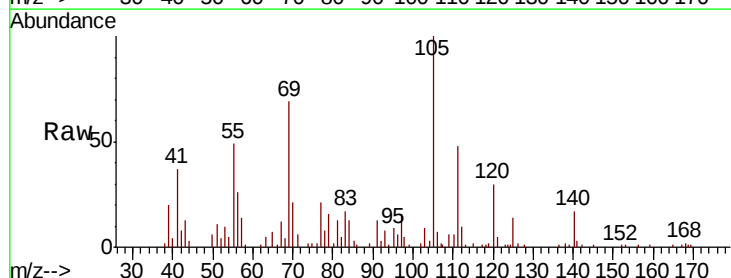
Instrument :
MSVOA_W
ClientSampled :
C0AC2

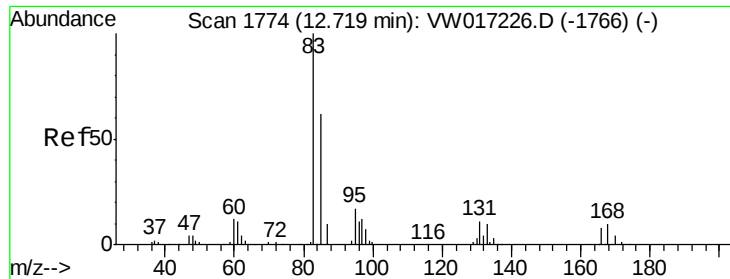
Tot Ion:106 Resp: 4704
Ion Ratio Lower Upper
106 100
91 202.9 140.8 261.4



#57
Isopropylbenzene
Concen: 0.898 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW017236.D
Acq: 15 Nov 2020 14:29

Tgt Ion:105 Resp: 15352
Ion Ratio Lower Upper
105 100
120 27.5 21.8 32.6
77 21.1 11.4 17.0#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.554 ug/L

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

C0AC2

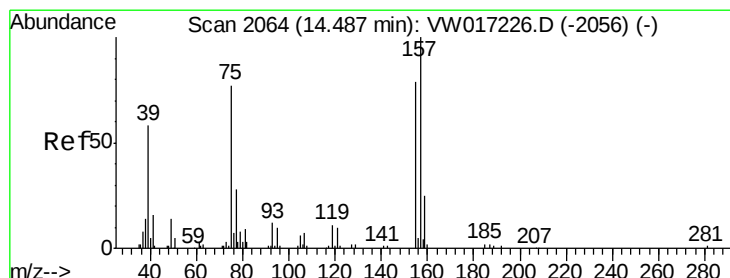
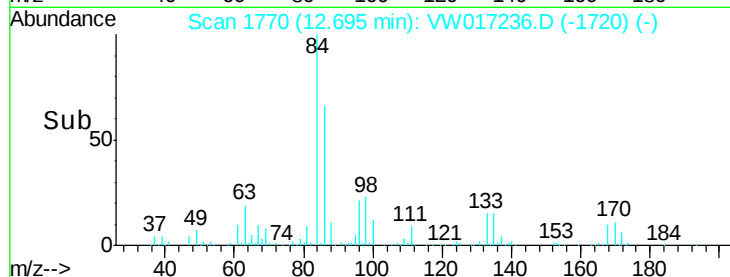
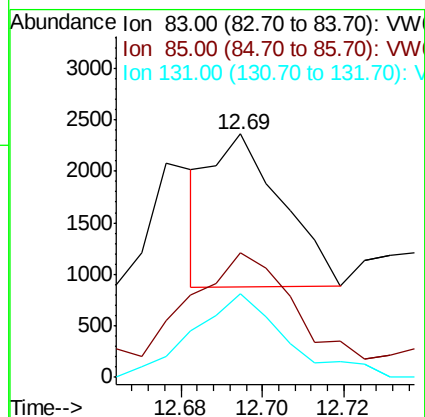
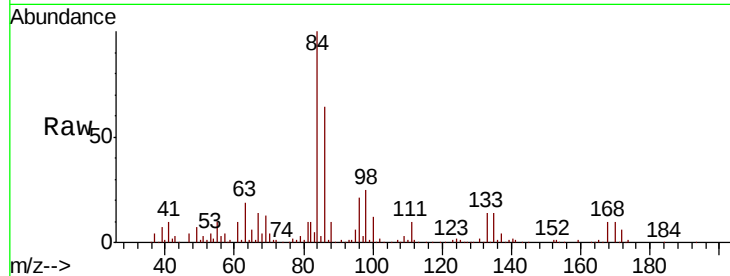
Tot Ion: 83 Resp: 1781

Ion Ratio Lower Upper

83 100

85 51.3 44.9 83.5

131 34.3 8.8 13.2#



#66

1,2-Dibromo-3-chloropropane

Concen: 58.365 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

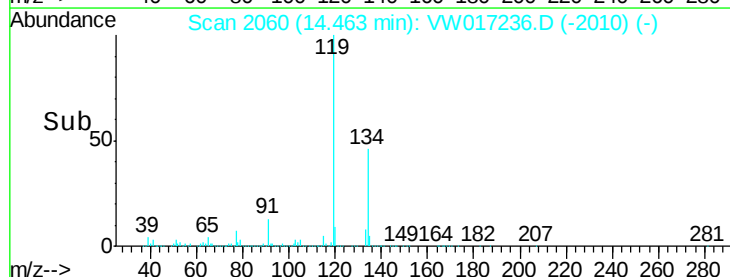
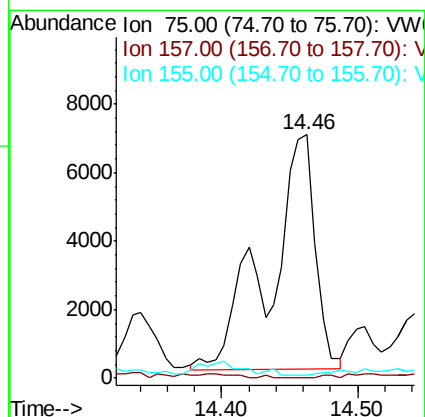
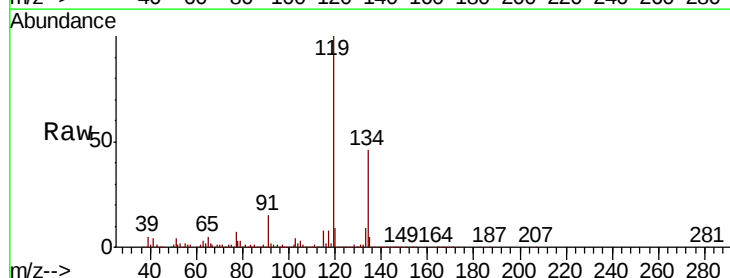
Tgt Ion: 75 Resp: 16207

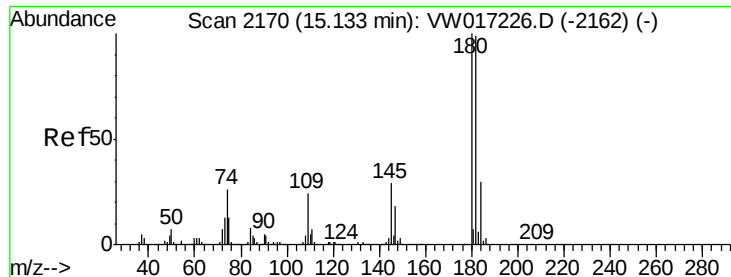
Ion Ratio Lower Upper

75 100

157 0.0 108.2 162.4#

155 1.3 79.1 118.7#





#68

1,2,4-trichlorobenzene

Concen: 1.297 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

C0AC2

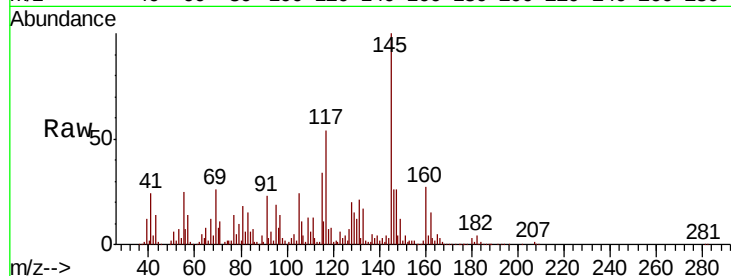
Tot Ion:180 Resp: 3553

Ion Ratio Lower Upper

180 100

182 151.8 76.7 115.1#

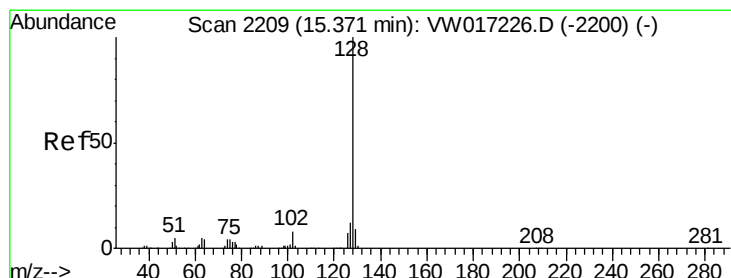
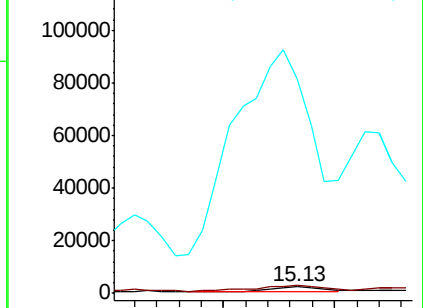
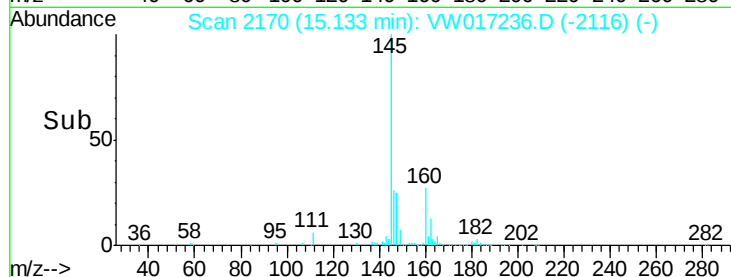
145 6672.6 23.6 35.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 161.751 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017236.D

Acq: 15 Nov 2020 14:29

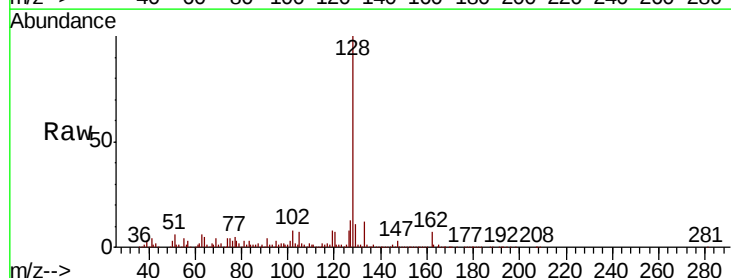
Tgt Ion:128 Resp: 815231

Ion Ratio Lower Upper

128 100

129 8.9 8.6 12.8

127 13.5 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

