

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017190.D
 Acq On : 12 Nov 2020 17:19
 Operator : SY/VA
 Sample : L4727-02
 Misc : 5.31G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

Quant Time: Nov 13 04:20:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	435400	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331607	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	105855	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119267	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
7) Chloroethane-d5	2.89	69	102958	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
10) 1,1-Dichloroethene-d2	4.02	63	165304	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.40%
20) 2-Butanone-d5	7.08	46	57022	46.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.00%
24) Chloroform-d	7.65	84	256111	25.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	8.31	65	135213	26.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.04%
29) Benzene-d6	8.27	84	483141	28.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.44%
33) 1,2-Dichloropropane-d6	9.27	67	135806	29.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.32%
37) Toluene-d8	10.33	98	418778	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.20%
38) trans-1,3-Dichloropropene-	10.58	79	57255	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.76%
39) 2-Hexanone-d5	10.93	63	47646	58.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102855	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	94738	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	4.02	96	1478	0.274 ug/L #	1
13) Acetone	4.13	43	3371	4.105 ug/L	58
16) Methylene chloride	4.93	84	20106	3.425 ug/L	96
35) Trichloroethene	8.84	95	13046	2.675 ug/L #	2
42) cis-1,3-Dichloropropene	10.04	75	4625	0.717 ug/L #	70
43) 4-Methyl-2-pentanone	10.22	43	3568	1.421 ug/L	98
44) Toluene	10.39	91	4919	0.257 ug/L	98
46) 1,1,2-Trichloroethane	10.77	97	1248	0.356 ug/L #	30
54) m,p-Xylene	11.84	106	2712	0.324 ug/L	98
55) o-xylene	12.17	106	2436	0.306 ug/L	87
57) Isopropylbenzene	12.46	105	10321	0.478 ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.69	83	5402	1.332 ug/L #	71
59) 1,2,3-Trichloropropane	13.56	75	11463	3.934 ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.46	75	8658	22.052 ug/L #	1
68) 1,2,4-trichlorobenzene	15.14	180	2163	0.559 ug/L #	1
69) Naphthalene	15.36	128	854699	119.940 ug/L	98
70) 1,2,3-Trichlorobenzene	15.52	180	5680	1.605 ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration

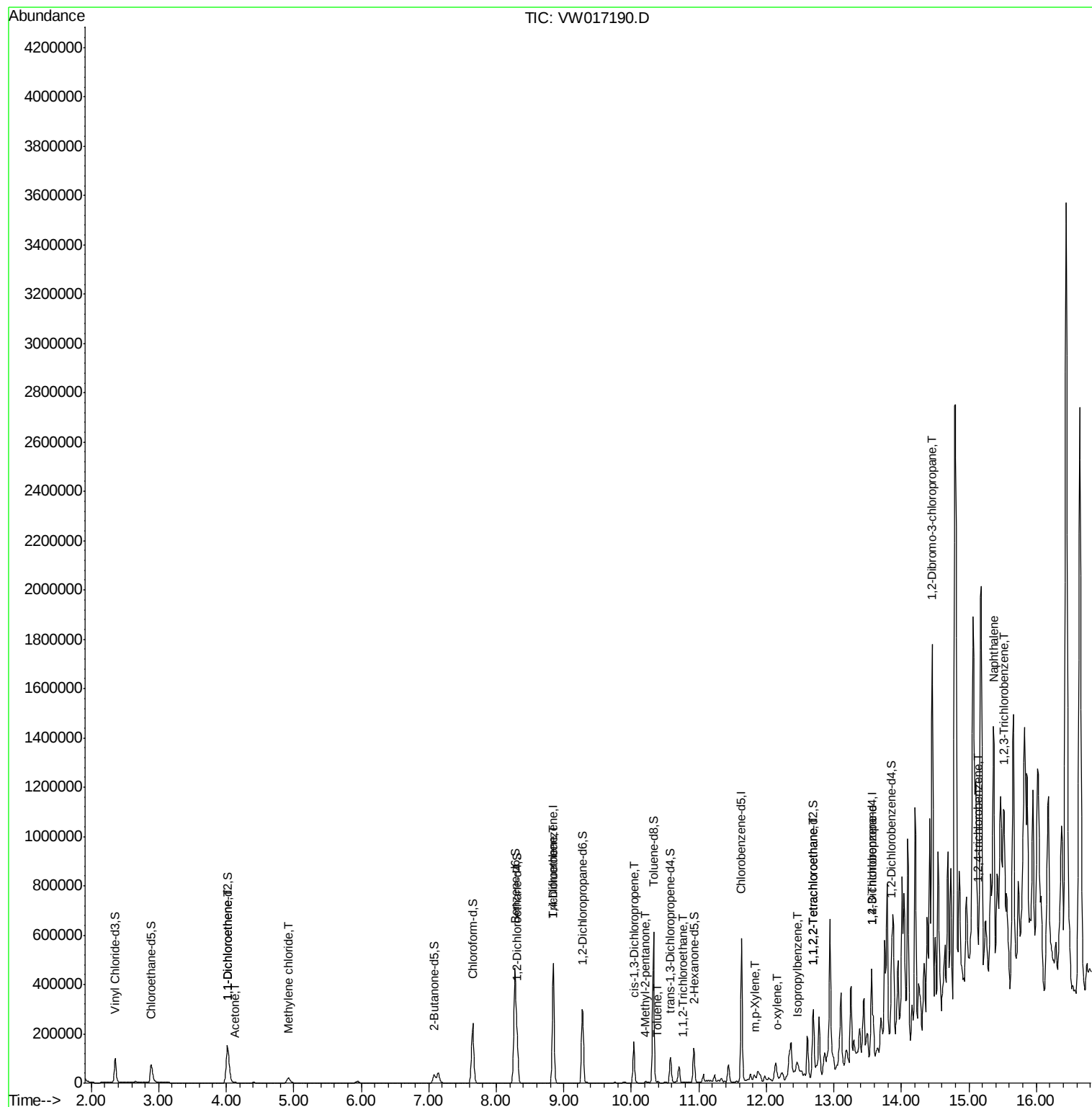
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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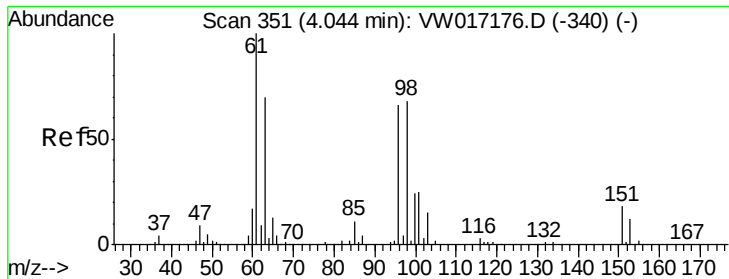
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.274 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

C0AB7

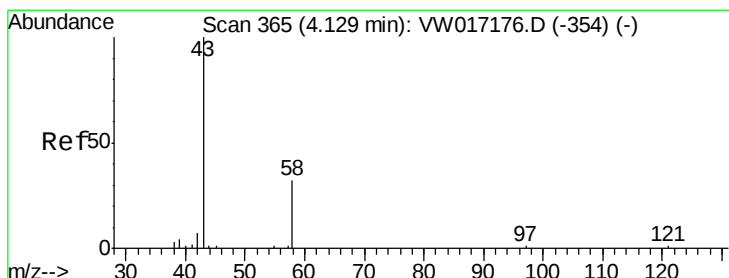
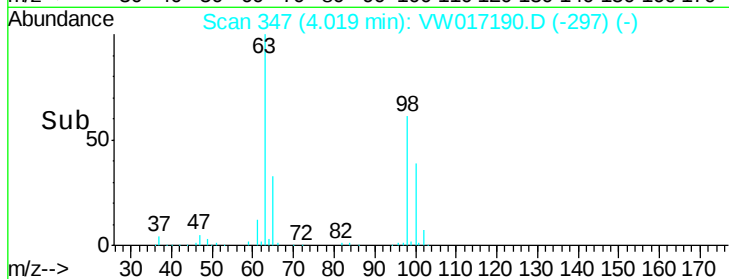
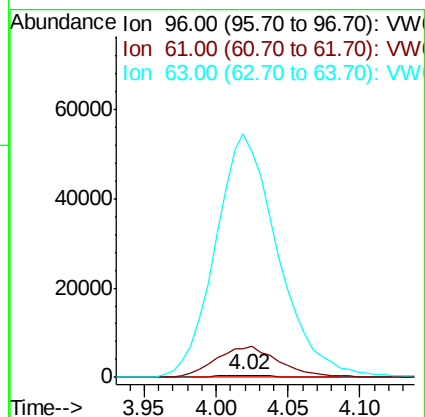
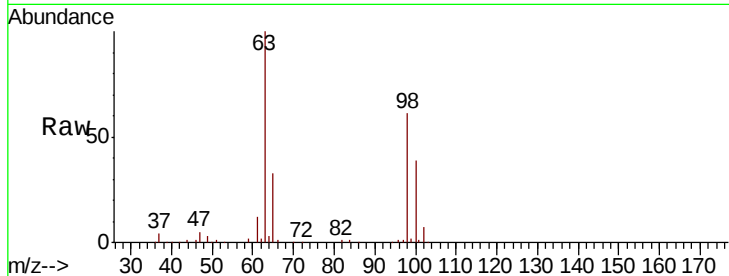
Tot Ion: 96 Resp: 1478

Ion Ratio Lower Upper

96 100

61 1406.4 103.8 192.8#

63 11961.4 84.4 156.7#



#13

Acetone

Concen: 4.105 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017190.D

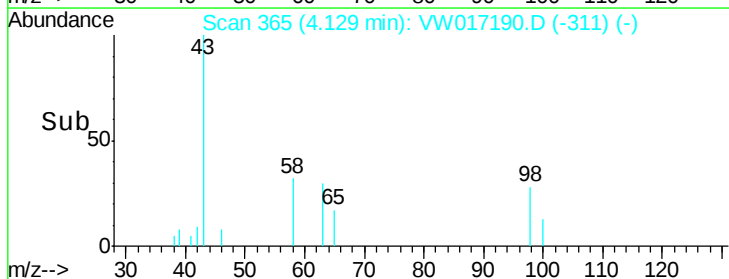
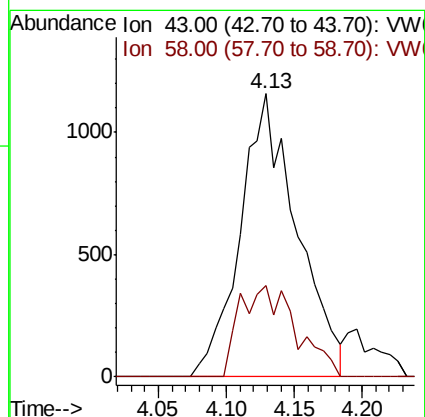
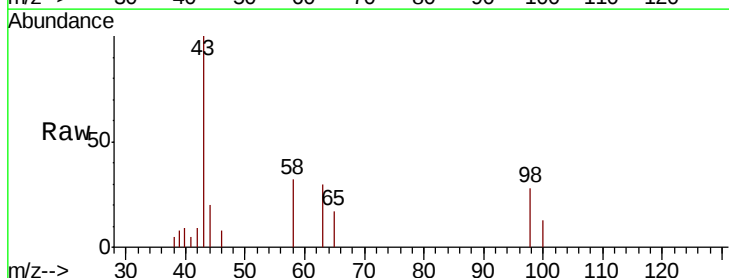
Acq: 12 Nov 2020 17:19

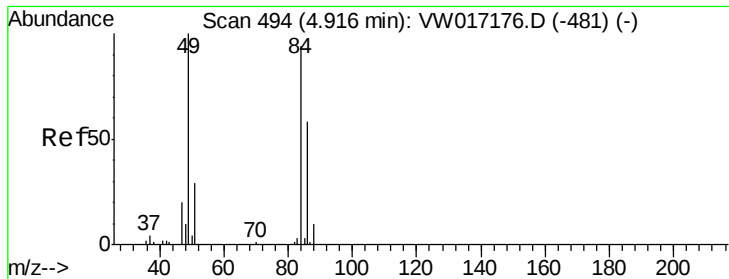
Tgt Ion: 43 Resp: 3371

Ion Ratio Lower Upper

43 100

58 10.5 0.0 69.2

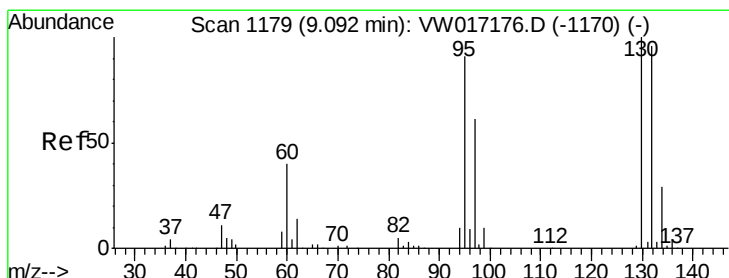
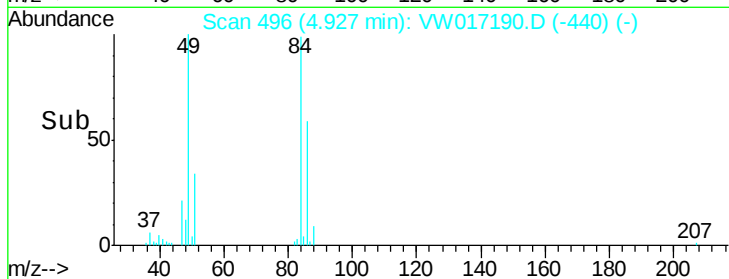
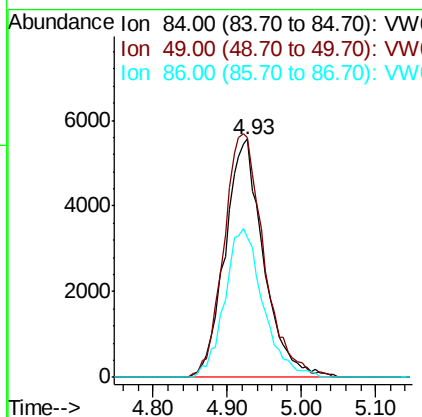
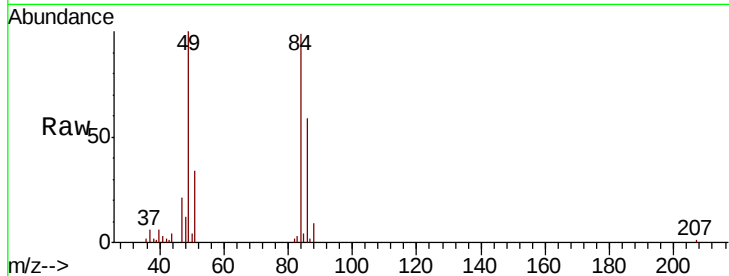




#16
Methvlene chloride
Concen: 3.425 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017190.D
Acq: 12 Nov 2020 17:19

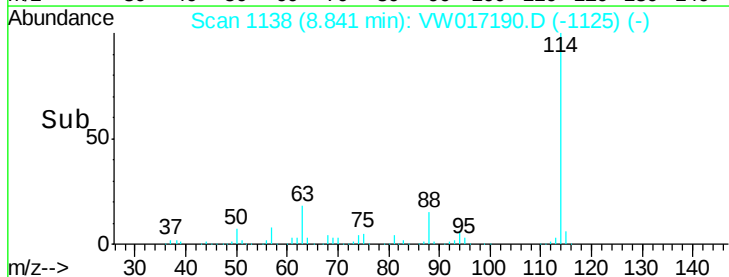
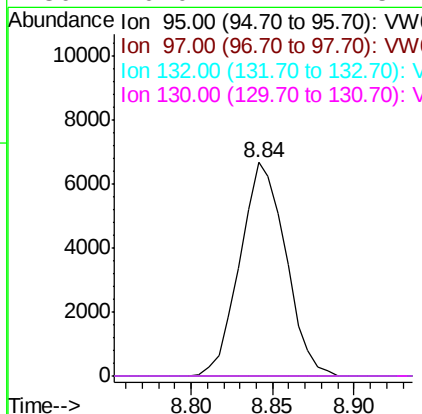
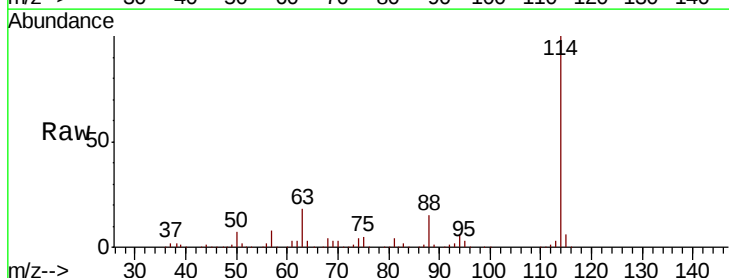
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

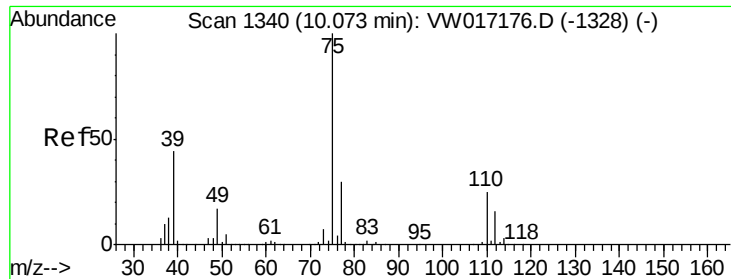
Tot Ion: 84 Resp: 20106
Ion Ratio Lower Upper
84 100
49 100.7 72.3 134.3
86 58.9 45.1 83.7



#35
Trichloroethene
Concen: 2.675 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW017190.D
Acq: 12 Nov 2020 17:19

Tgt Ion: 95 Resp: 13046
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#





#42

cis-1,3-Dichloropropene

Concen: 0.717 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

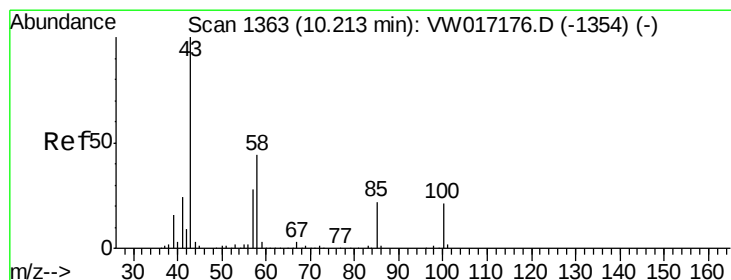
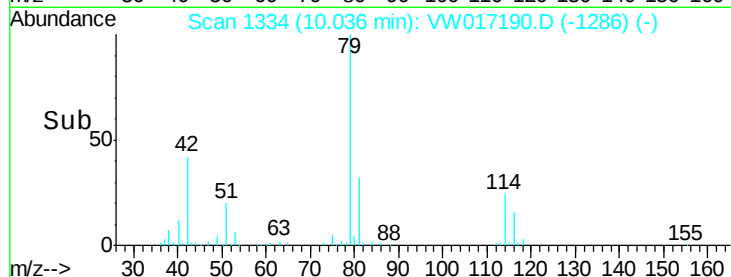
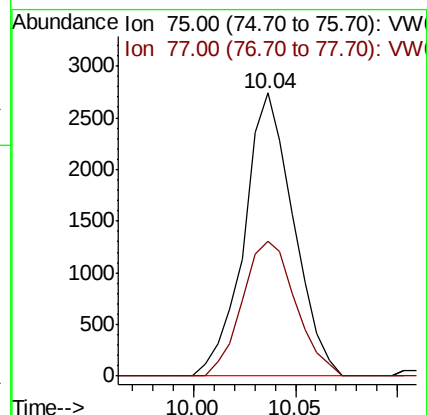
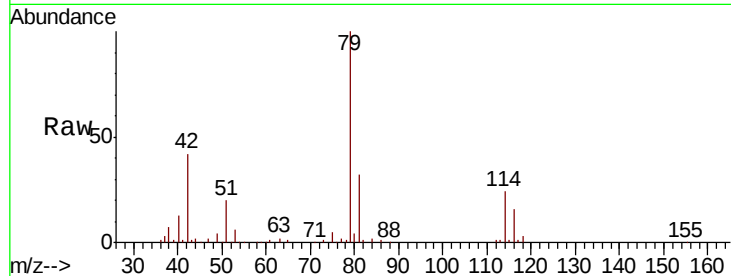
C0AB7

Tot Ion: 75 Resp: 4625

Ion Ratio Lower Upper

75 100

77 47.9 22.0 41.0#



#43

4-Methyl-2-pentanone

Concen: 1.421 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

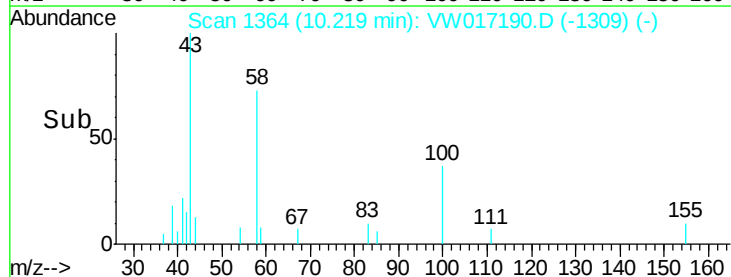
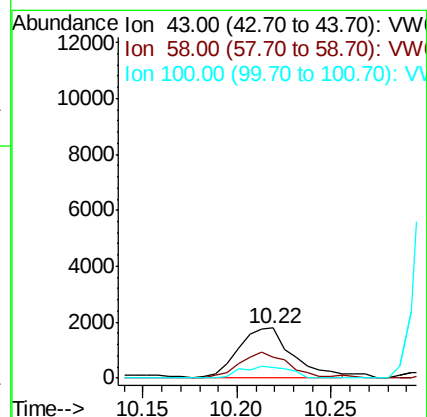
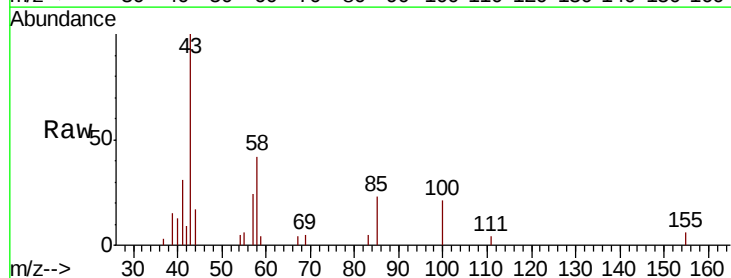
Tgt Ion: 43 Resp: 3568

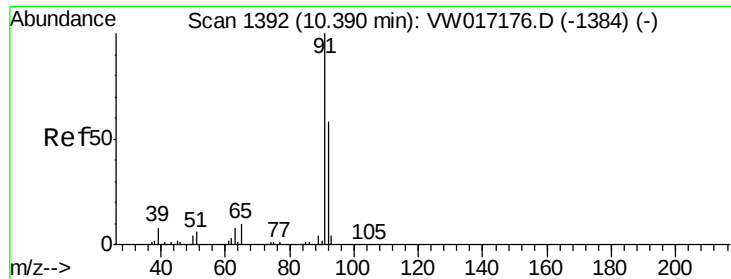
Ion Ratio Lower Upper

43 100

58 45.5 35.0 52.6

100 20.9 16.6 24.8





#44

Toluene

Concen: 0.257 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

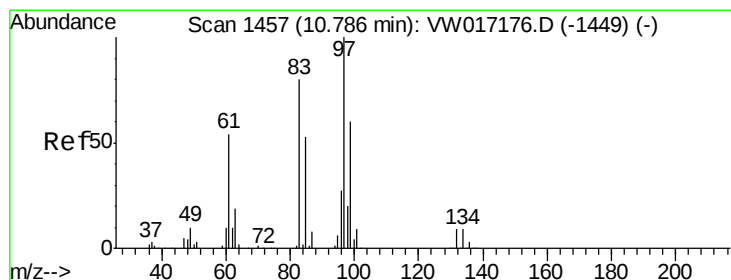
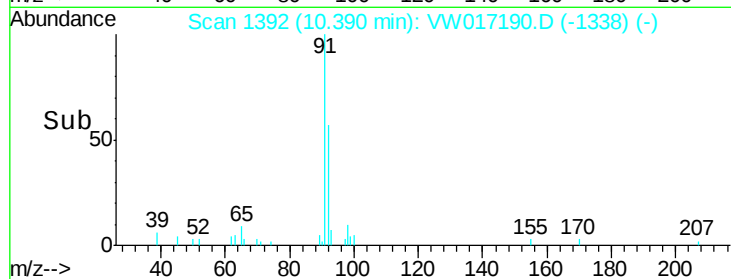
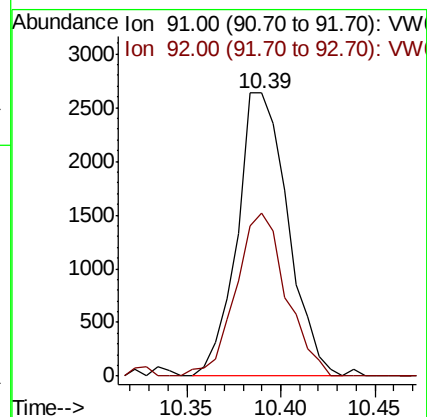
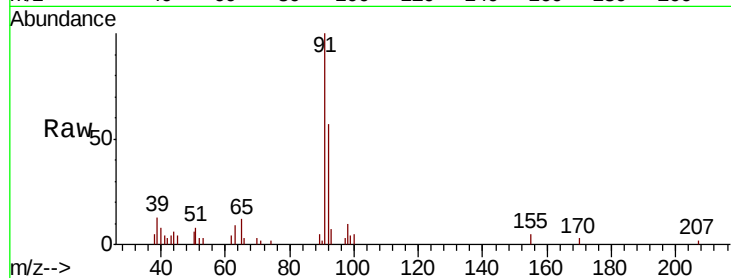
C0AB7

Tot Ion: 91 Resp: 4919

Ion Ratio Lower Upper

91 100

92 57.4 41.4 76.8



#46

1,1,2-Trichloroethane

Concen: 0.356 ug/L

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Tgt Ion: 97 Resp: 1248

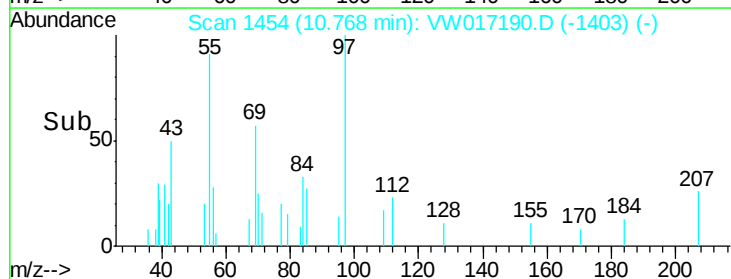
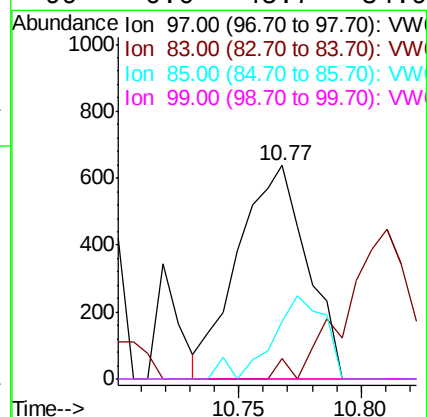
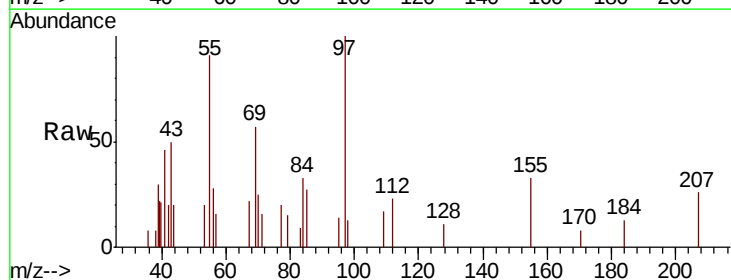
Ion Ratio Lower Upper

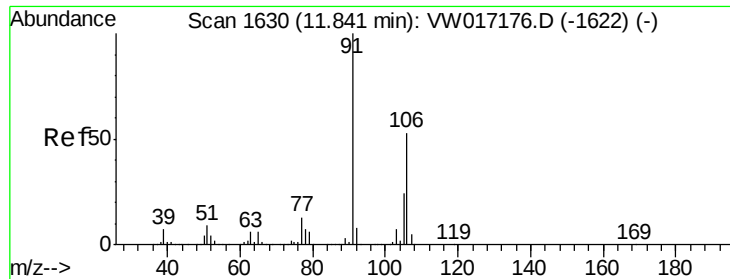
97 100

83 9.4 57.3 106.5#

85 27.1 37.2 69.0#

99 0.0 45.7 84.9#





#54

m,p-Xylene

Concen: 0.324 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

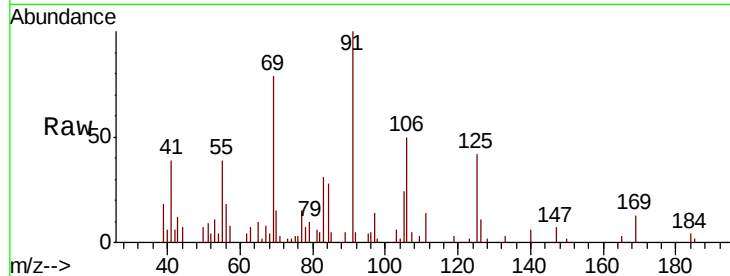
C0AB7

Tot Ion:106 Resp: 2712

Ion Ratio Lower Upper

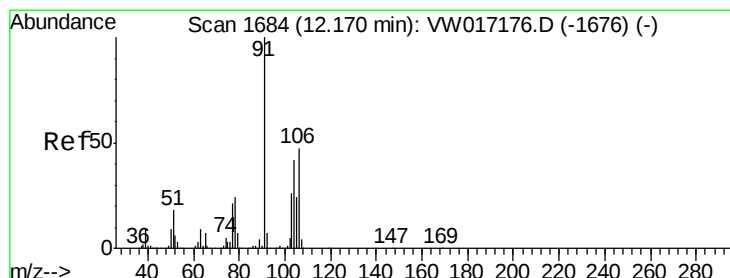
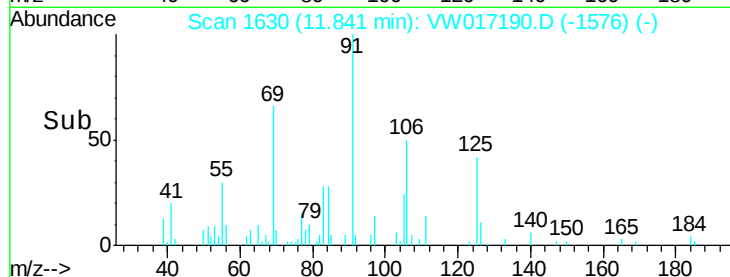
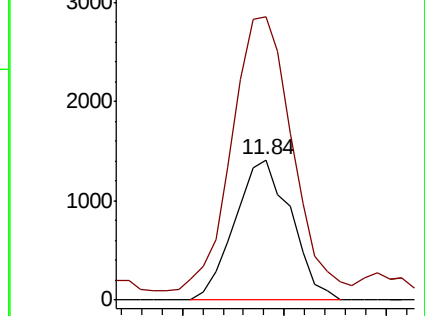
106 100

91 201.8 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.306 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017190.D

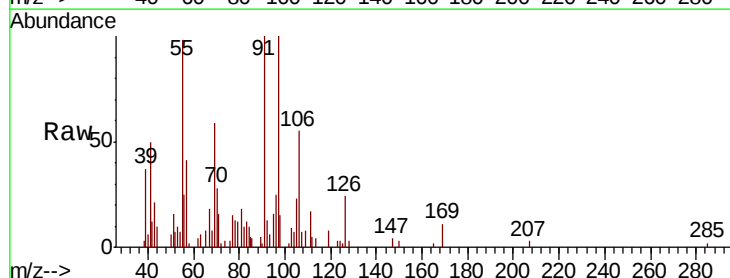
Acq: 12 Nov 2020 17:19

Tgt Ion:106 Resp: 2436

Ion Ratio Lower Upper

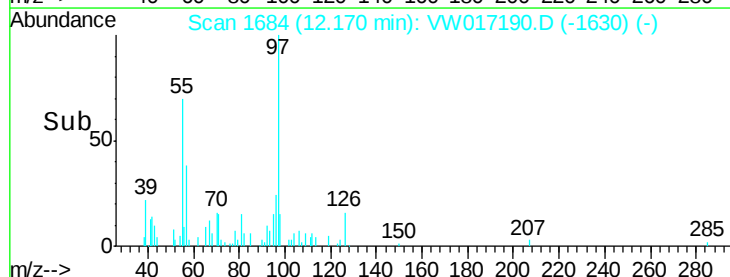
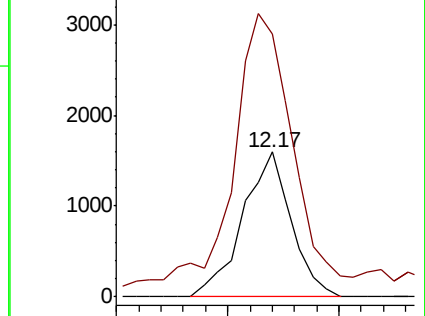
106 100

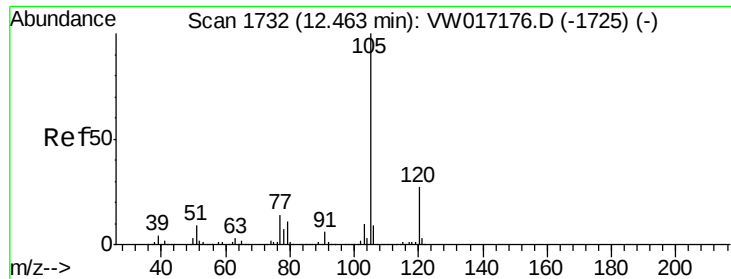
91 181.5 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.478 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

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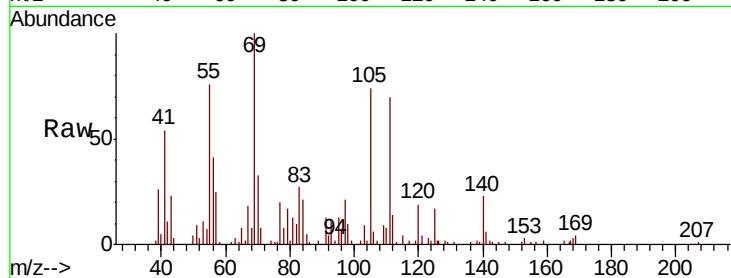
Tot Ion:105 Resp: 10321

Ion Ratio Lower Upper

105 100

120 24.7 21.8 32.6

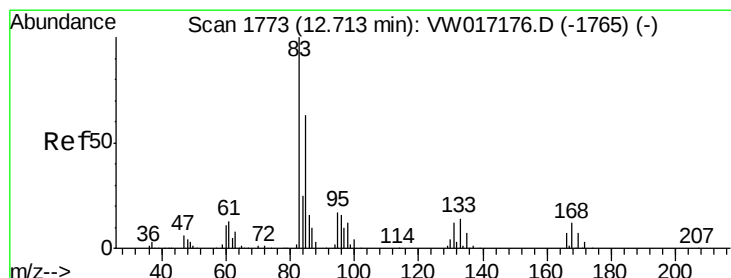
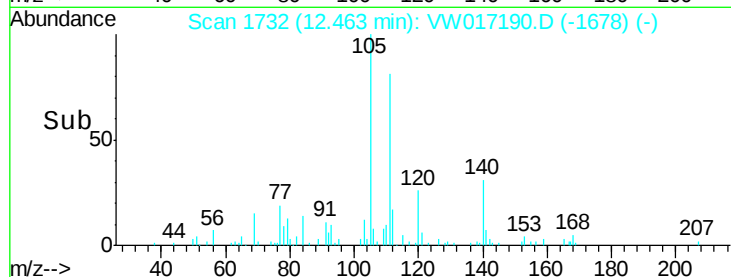
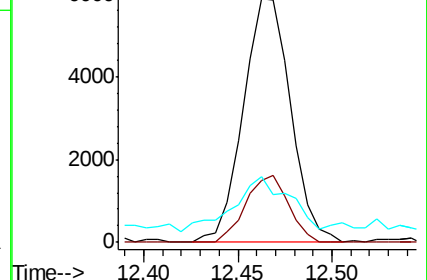
77 13.4 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.332 ug/L

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

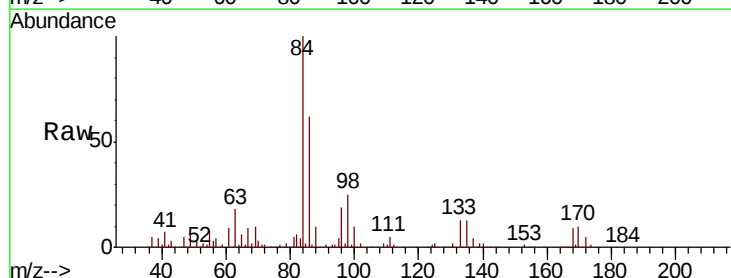
Tgt Ion: 83 Resp: 5402

Ion Ratio Lower Upper

83 100

85 48.9 44.9 83.5

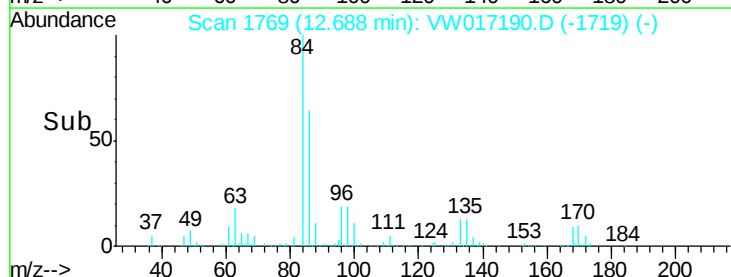
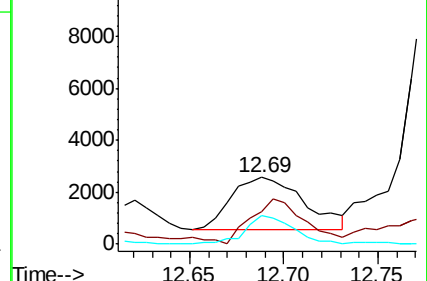
131 43.0 8.8 13.2#

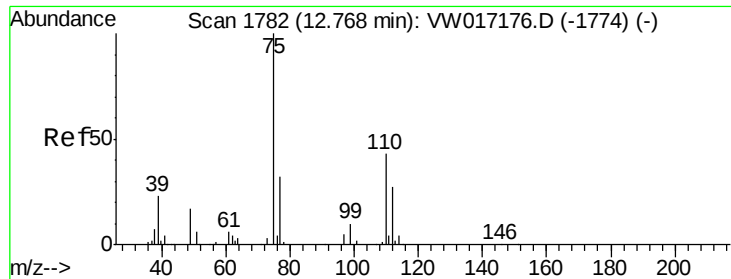


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 3.934 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

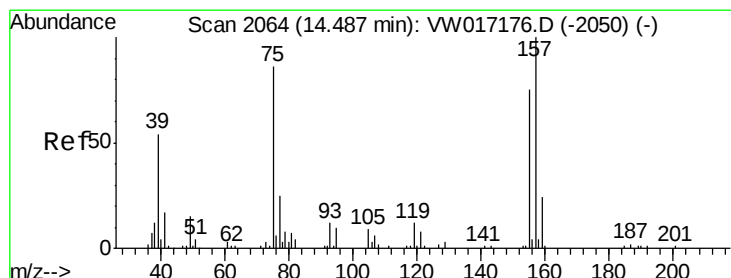
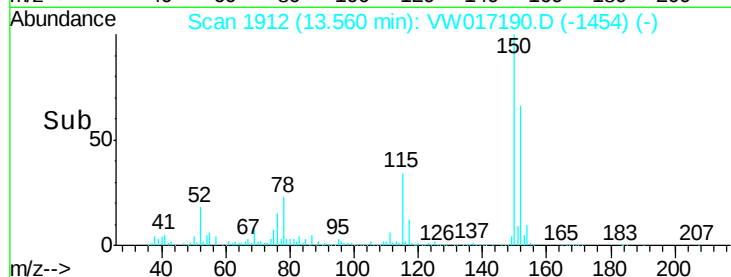
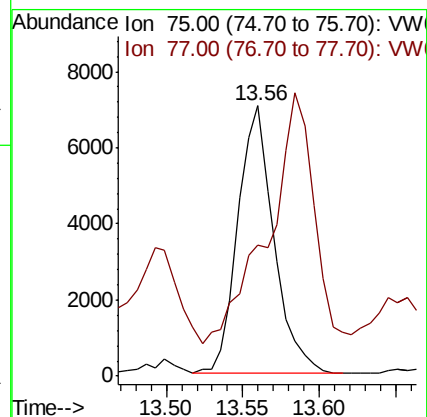
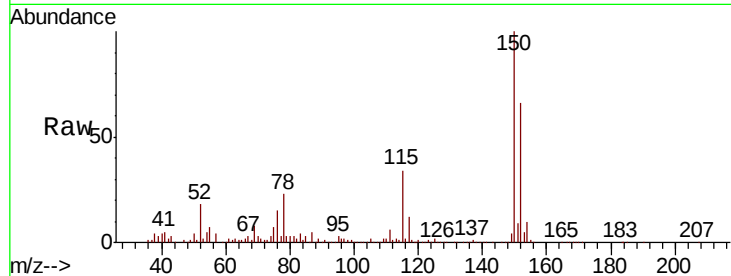
C0AB7

Tot Ion: 75 Resp: 11463

Ion Ratio Lower Upper

75 100

77 33.4 26.4 39.6



#66

1,2-Dibromo-3-chloropropane

Concen: 22.052 ug/L

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

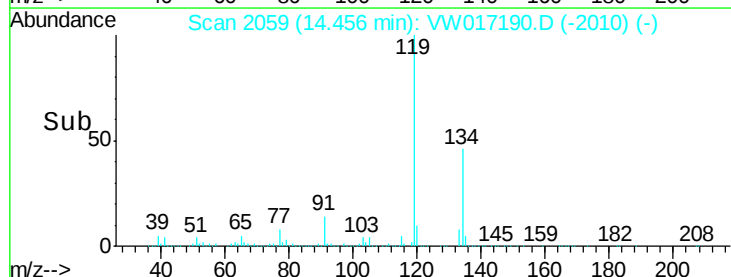
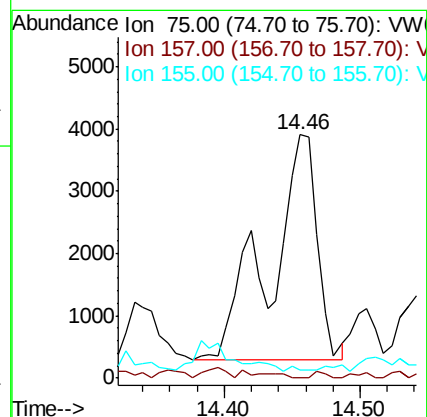
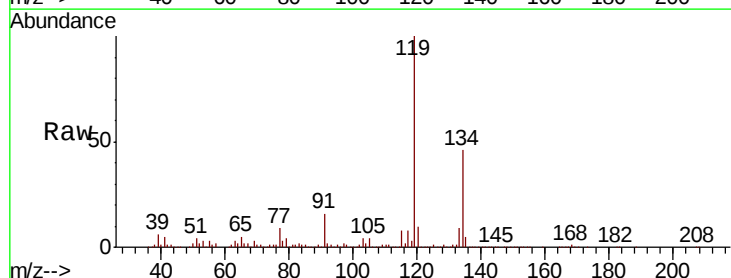
Tgt Ion: 75 Resp: 8658

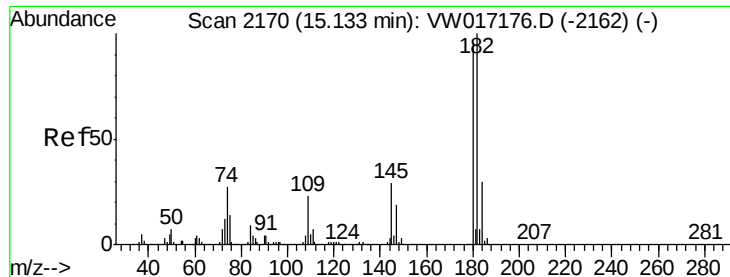
Ion Ratio Lower Upper

75 100

157 0.0 108.2 162.4#

155 3.3 79.1 118.7#

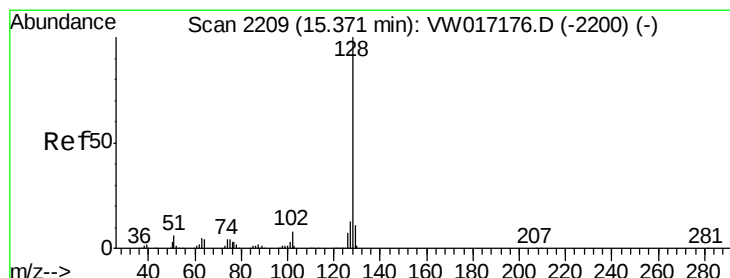
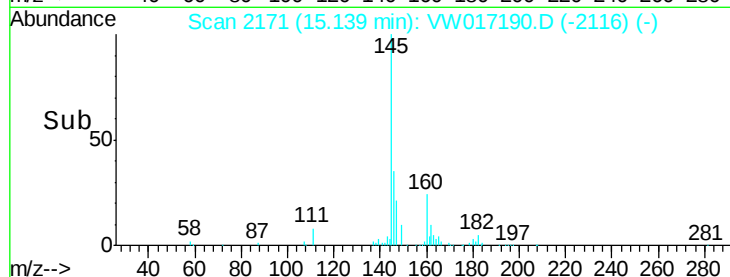
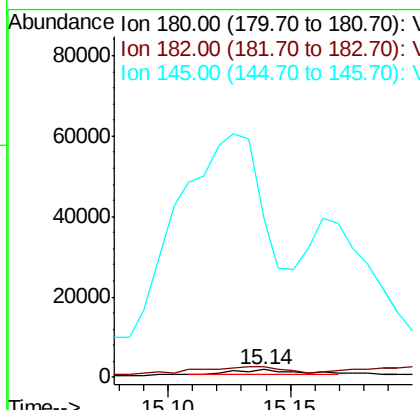
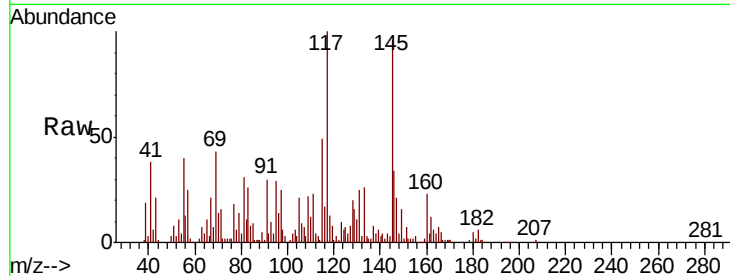




#68
 1,2,4-trichlorobenzene
 Concen: 0.559 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW017190.D
 Acq: 12 Nov 2020 17:19

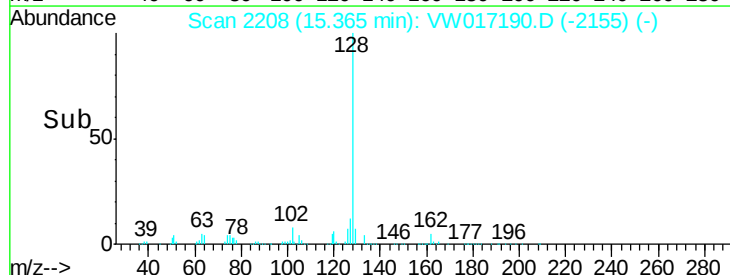
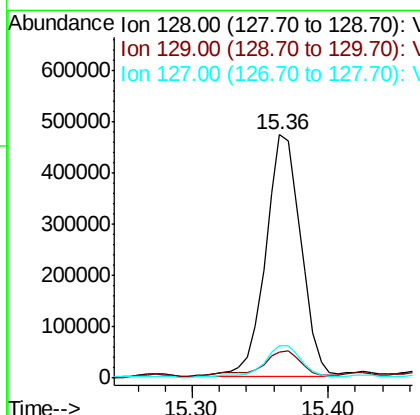
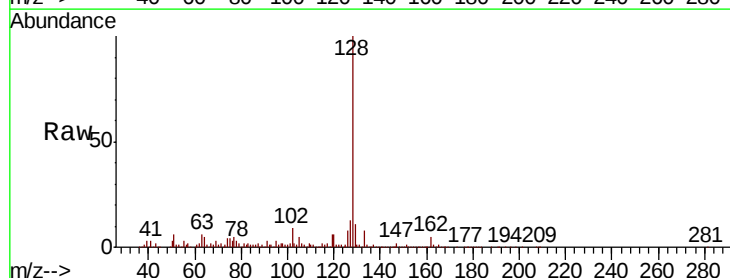
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

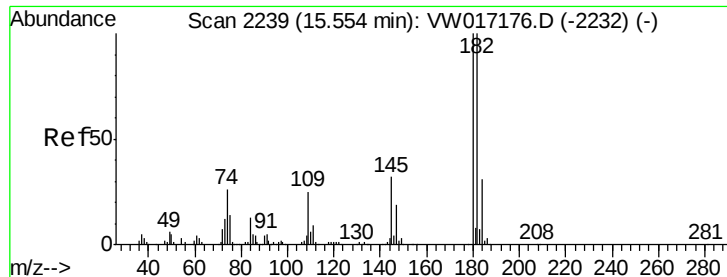
Tot Ion:180 Resp: 2163
 Ion Ratio Lower Upper
 180 100
 182 237.2 76.7 115.1#
 145 7638.6 23.6 35.4#



#69
 Naphthalene
 Concen: 119.940 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW017190.D
 Acq: 12 Nov 2020 17:19

Tgt Ion:128 Resp: 854699
 Ion Ratio Lower Upper
 128 100
 129 9.9 8.6 12.8
 127 13.7 10.2 15.2





#70

1,2,3-Trichlorobenzene

Concen: 1.605 ug/L

RT: 15.52 min Scan# 2233

Delta R.T. -0.04 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

C0AB7

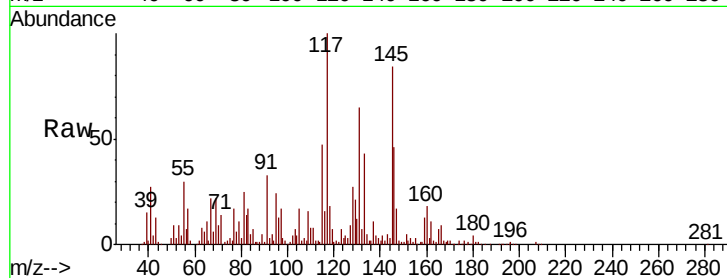
Tot Ion:180 Resp: 5680

Ion Ratio Lower Upper

180 100

182 17.9 75.5 113.3#

145 1884.4 24.5 36.7#



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

