

Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

Quant Time: Nov 21 00:33:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	268752	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	183767	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	46252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	109145	27.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.72%
7) Chloroethane-d5	2.89	69	92058	29.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.52%
10) 1,1-Dichloroethene-d2	4.02	63	130943	18.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.24%
20) 2-Butanone-d5	7.07	46	43662	66.82	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.64%
24) Chloroform-d	7.65	84	191669	27.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	8.31	65	104104	30.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.08%
29) Benzene-d6	8.27	84	360282	34.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	139.12%#
33) 1,2-Dichloropropane-d6	9.27	67	101430	36.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	147.00%#
37) Toluene-d8	10.33	98	268501	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.12%
38) trans-1,3-Dichloropropene-	10.58	79	39793	33.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	132.48%
39) 2-Hexanone-d5	10.93	63	33976	91.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	183.62%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	71810	34.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	137.36%#
61) 1,2-Dichlorobenzene-d4	13.85	152	47058	27.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.24%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	4.03	96	1068	0.302 ug/L #	1
13) Acetone	4.13	43	2204	4.623 ug/L	80
16) Methylene chloride	4.93	84	8488	1.846 ug/L	93
35) Trichloroethene	8.85	95	7864	2.678 ug/L #	2
36) Methylcyclohexane	9.34	83	1453	0.310 ug/L #	72
42) cis-1,3-Dichloropropene	10.04	75	3128	0.858 ug/L #	75
44) Toluene	10.39	91	5075	0.441 ug/L	99
46) 1,1,2-Trichloroethane	10.76	97	1741	0.941 ug/L #	20
54) m,p-Xylene	11.84	106	1879	0.378 ug/L	75
55) o-xylene	12.17	106	2397	0.508 ug/L	75
57) Isopropylbenzene	12.47	105	7476	0.578 ug/L #	52
58) 1,1,2,2-Tetrachloroethane	12.69	83	3547	1.770 ug/L #	80
59) 1,2,3-Trichloropropane	13.29	75	309	0.214 ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.46	75	4051	27.744 ug/L #	1
68) 1,2,4-trichlorobenzene	15.13	180	1730	1.028 ug/L #	1
69) Naphthalene	15.36	128	171466	70.965 ug/L #	94
70) 1,2,3-Trichlorobenzene	15.57	180	4758	3.214 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112020\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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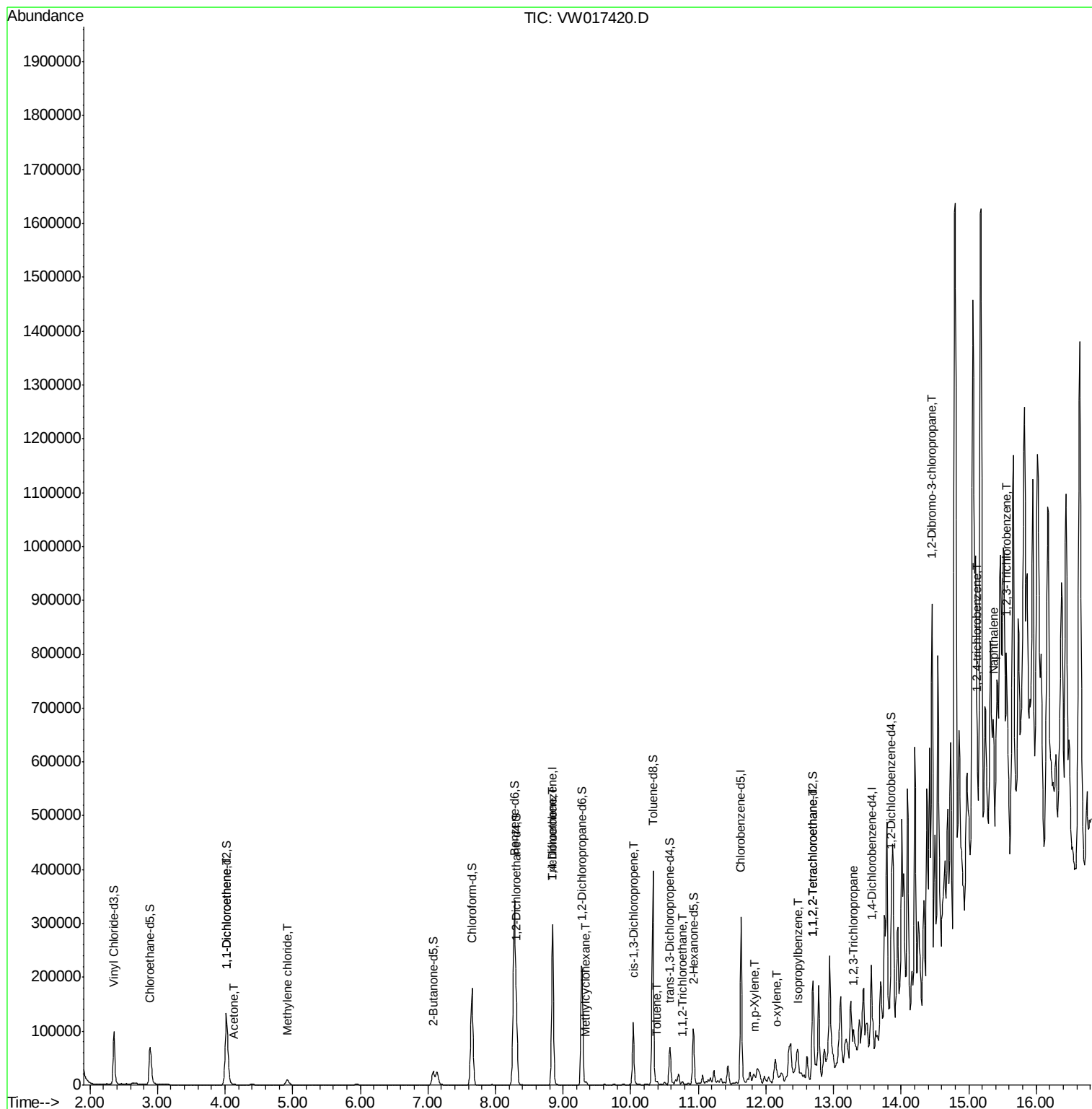
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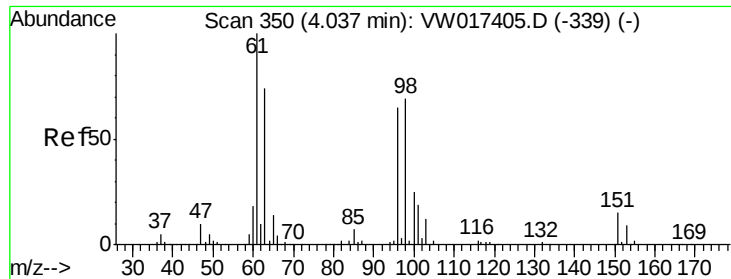
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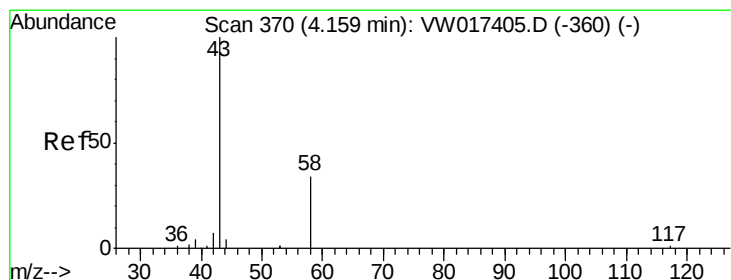
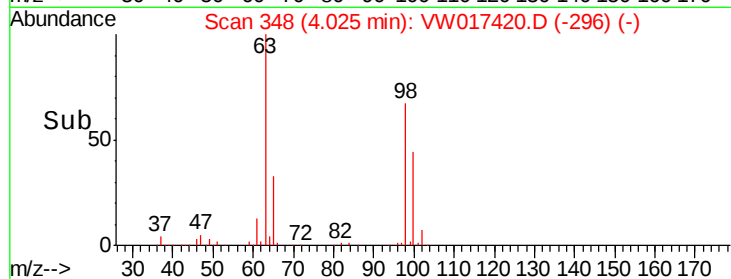
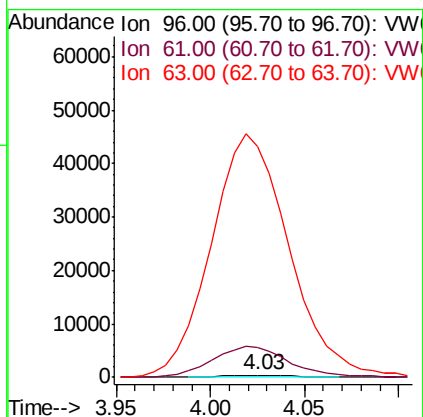
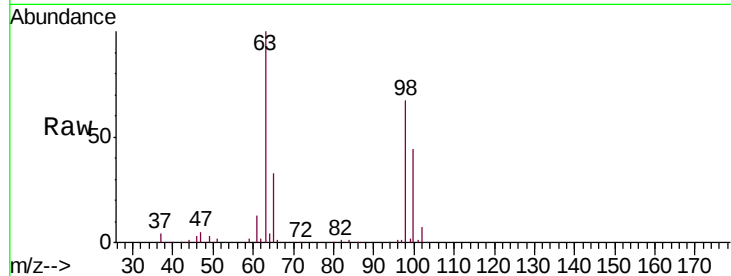




#12
 1,1-Dichloroethene
 Concen: 0.302 ug/L
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW017420.D
 Acq: 20 Nov 2020 16:22

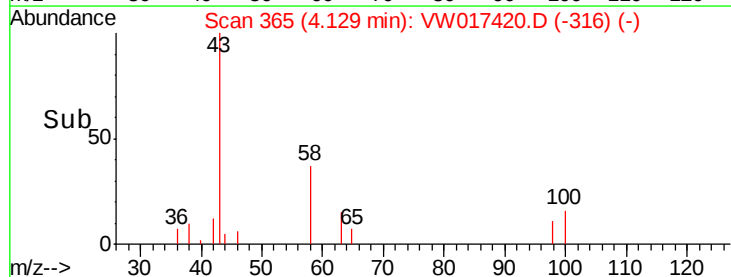
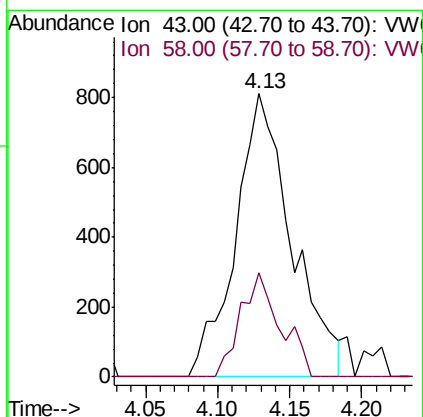
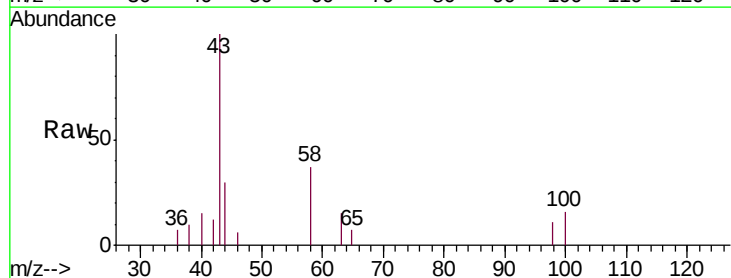
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1

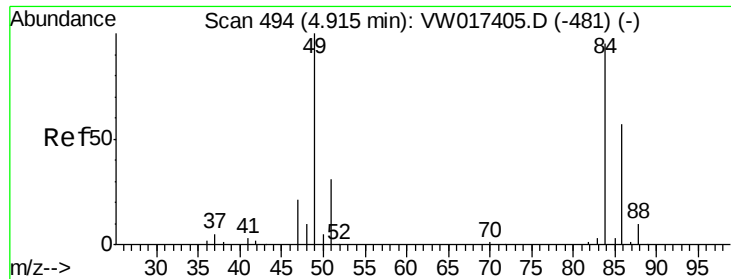
Tgt Ion: 96 Resp: 1068
 Ion Ratio Lower Upper
 96 100
 61 1391.0 104.7 194.4#
 63 10538.5 69.6 129.2#



#13
 Acetone
 Concen: 4.623 ug/L
 RT: 4.13 min Scan# 365
 Delta R.T. -0.03 min
 Lab File: VW017420.D
 Acq: 20 Nov 2020 16:22

Tgt Ion: 43 Resp: 2204
 Ion Ratio Lower Upper
 43 100
 58 22.3 0.0 67.0

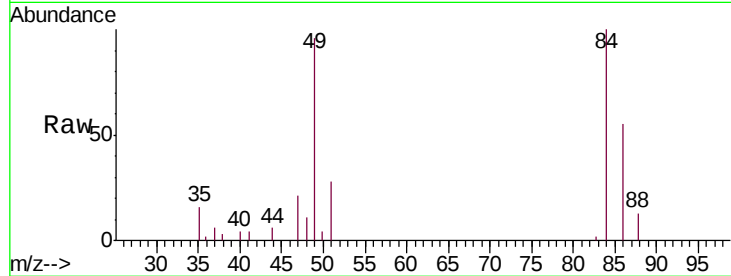




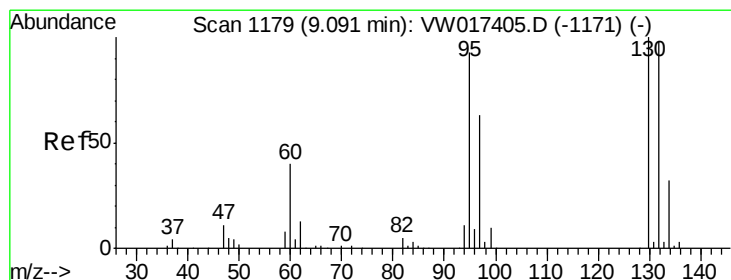
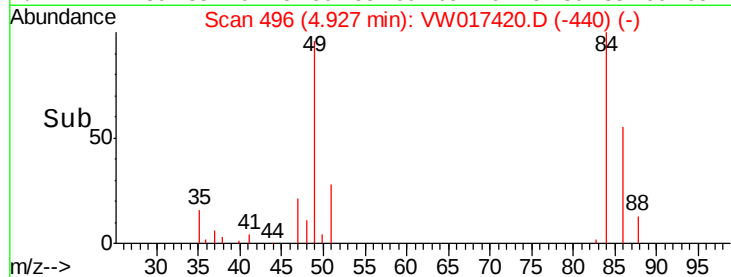
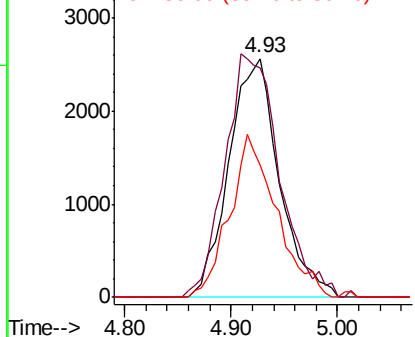
#16
Methylene chloride
Concen: 1.846 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017420.D
Acq: 20 Nov 2020 16:22

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

Tgt Ion: 84 Resp: 8488
Ion Ratio Lower Upper
84 100
49 96.2 71.5 132.9
86 55.2 42.8 79.4

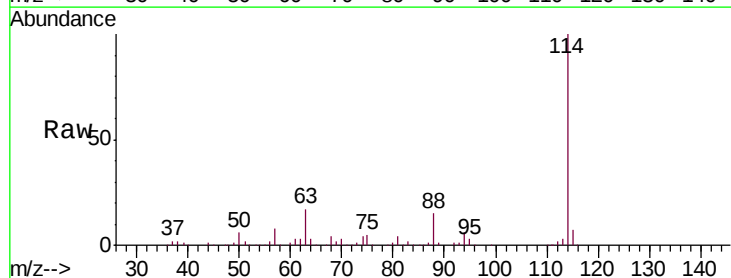


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

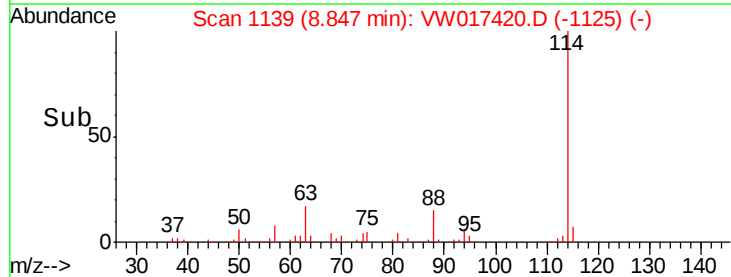
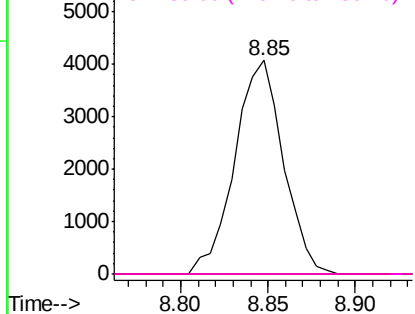


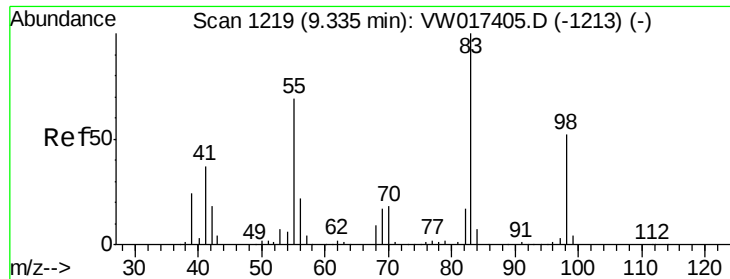
#35
Trichloroethene
Concen: 2.678 ug/L
RT: 8.85 min Scan# 1139
Delta R.T. -0.24 min
Lab File: VW017420.D
Acq: 20 Nov 2020 16:22

Tgt Ion: 95 Resp: 7864
Ion Ratio Lower Upper
95 100
97 0.0 44.7 82.9#
132 0.0 72.7 134.9#
130 0.0 76.1 141.3#



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): V
Ion 130.00 (129.70 to 130.70): V

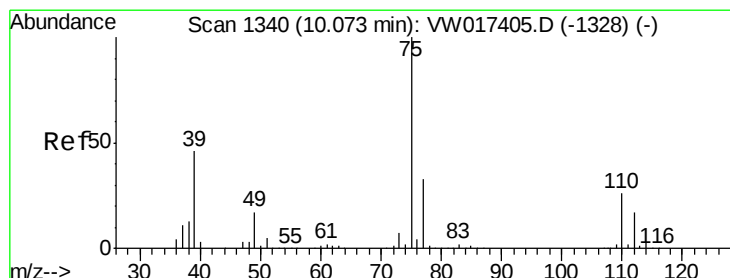
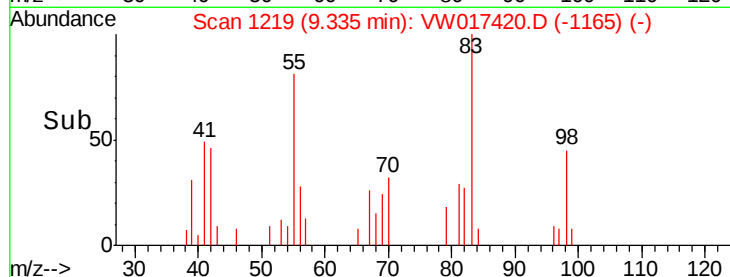
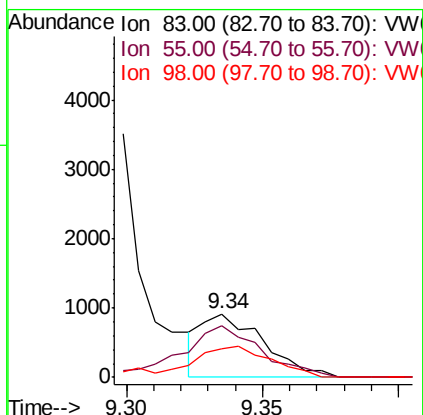
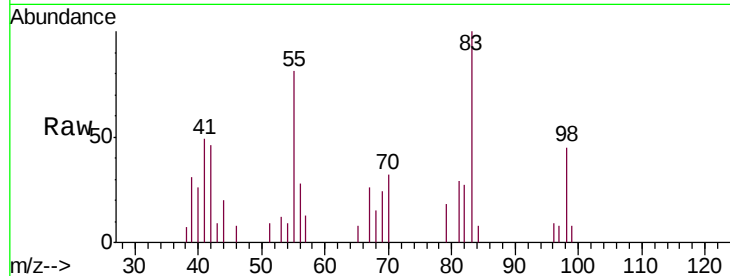




#36
Methylcyclohexane
Concen: 0.310 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017420.D
Acq: 20 Nov 2020 16:22

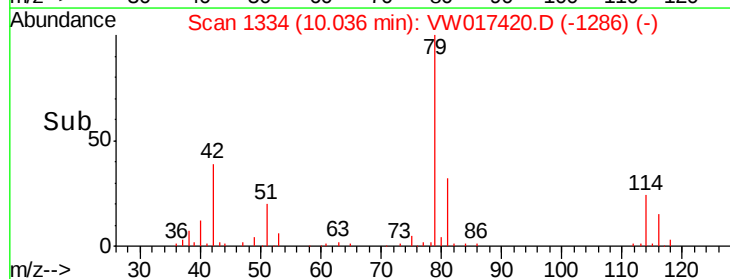
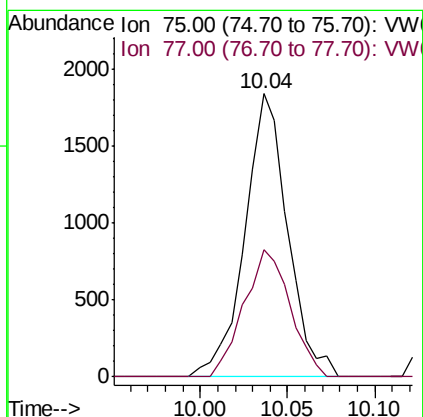
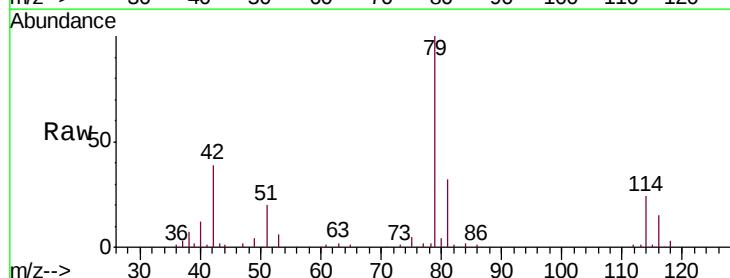
Instrument :
MSVOA_W
ClientSampleId :
C0AD1

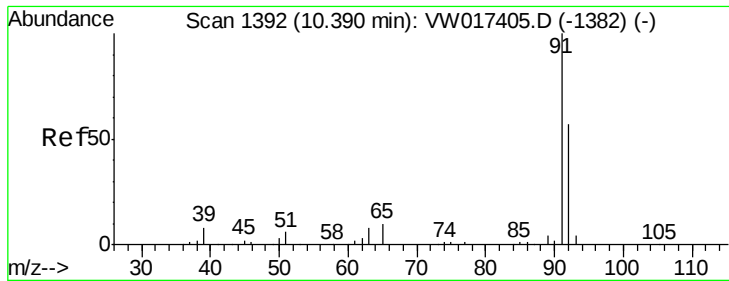
Tgt Ion: 83 Resp: 1453
Ion Ratio Lower Upper
83 100
55 102.4 54.6 81.8#
98 58.4 41.5 62.3



#42
cis-1,3-Dichloropropene
Concen: 0.858 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017420.D
Acq: 20 Nov 2020 16:22

Tgt Ion: 75 Resp: 3128
Ion Ratio Lower Upper
75 100
77 44.8 21.8 40.4#





#44

Toluene

Concen: 0.441 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

Instrument :

MSVOA_W

ClientSampled :

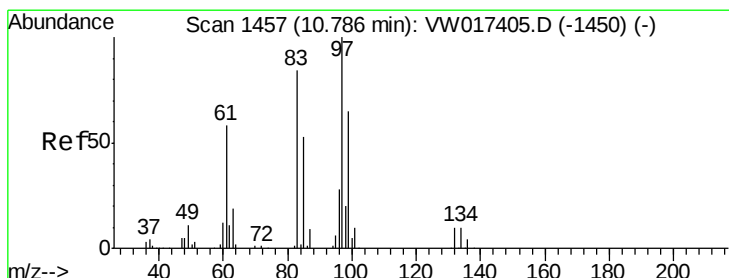
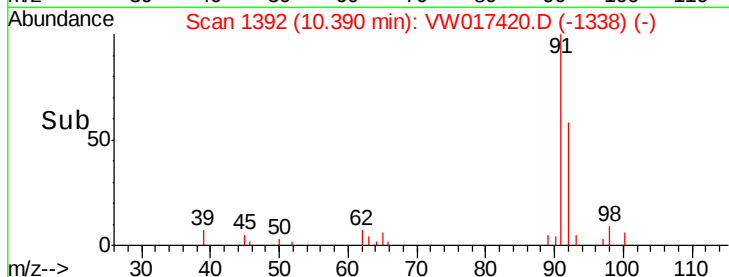
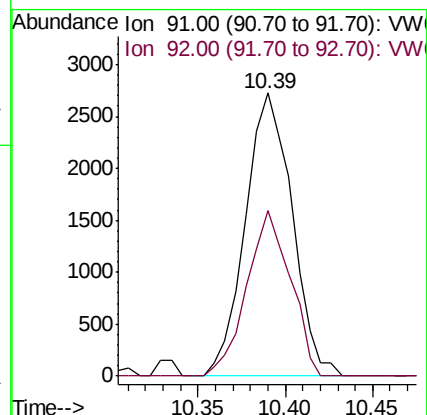
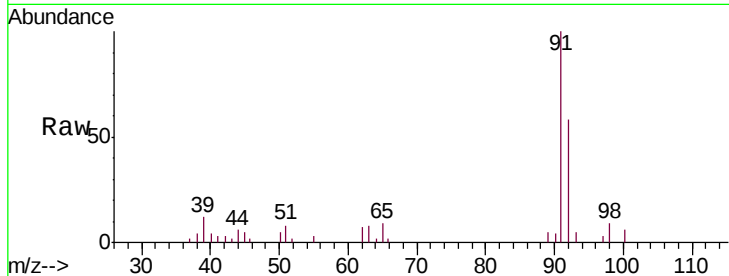
C0AD1

Tgt Ion: 91 Resp: 5075

Ion Ratio Lower Upper

91 100

92 58.4 41.4 76.8



#46

1,1,2-Trichloroethane

Concen: 0.941 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

Tgt Ion: 97 Resp: 1741

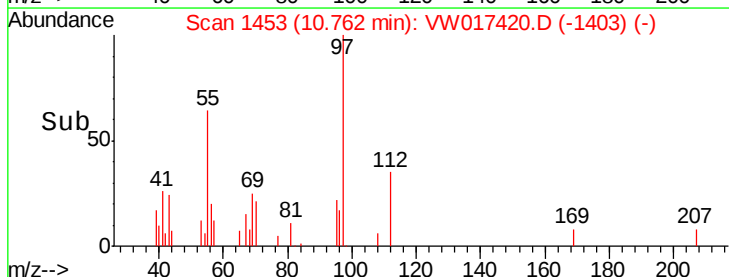
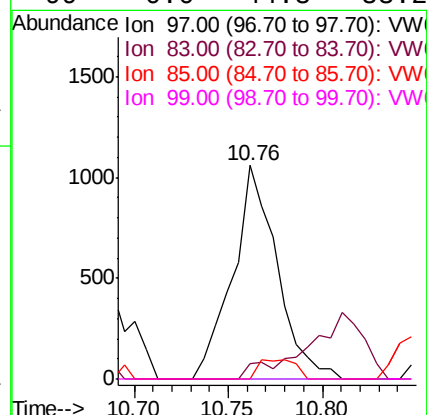
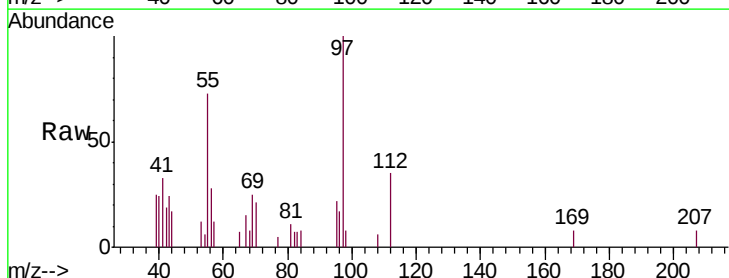
Ion Ratio Lower Upper

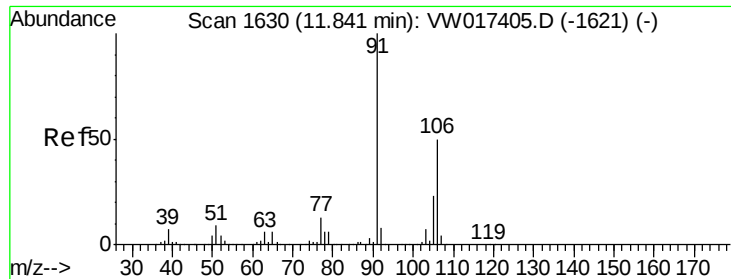
97 100

83 7.5 56.6 105.2#

85 0.0 37.7 69.9#

99 0.0 44.8 83.2#





#54

m,p-Xylene

Concen: 0.378 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

Instrument :

MSVOA_W

ClientSampled :

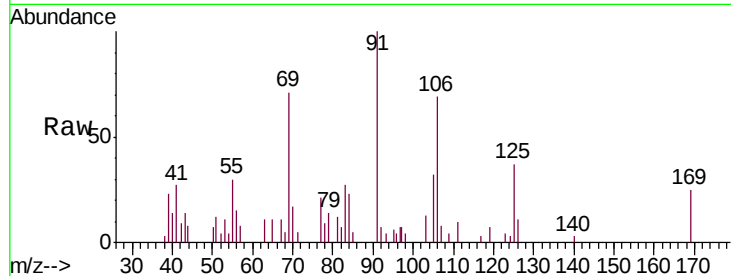
C0AD1

Tgt Ion:106 Resp: 1879

Ion Ratio Lower Upper

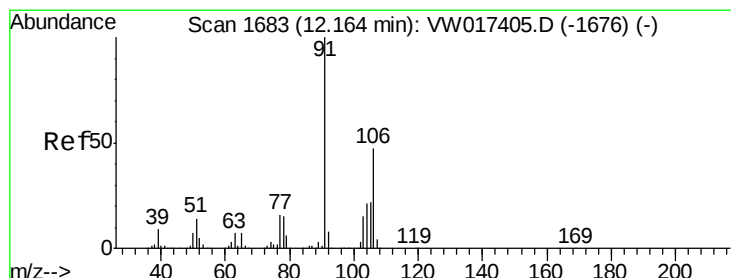
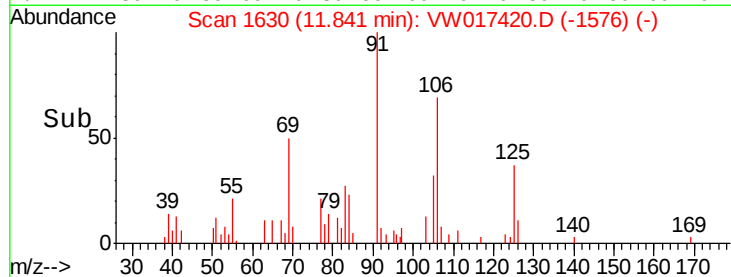
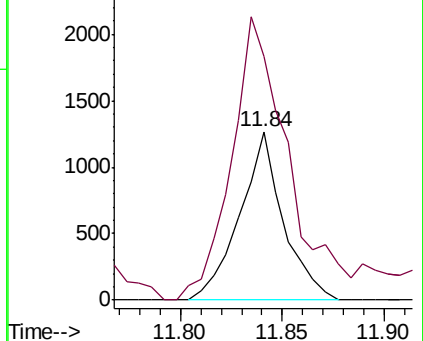
106 100

91 145.0 126.9 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.508 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017420.D

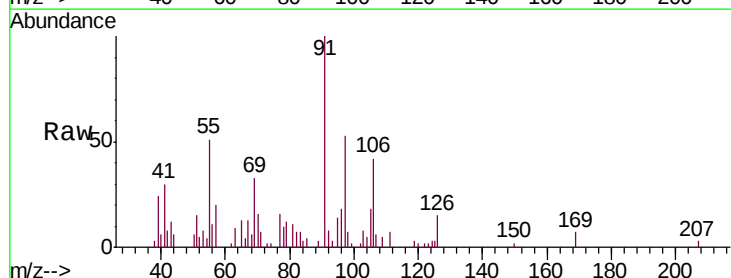
Acq: 20 Nov 2020 16:22

Tgt Ion:106 Resp: 2397

Ion Ratio Lower Upper

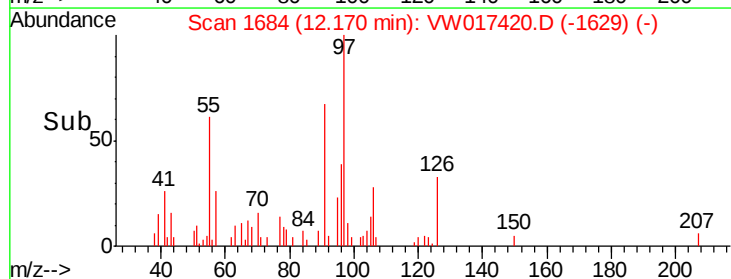
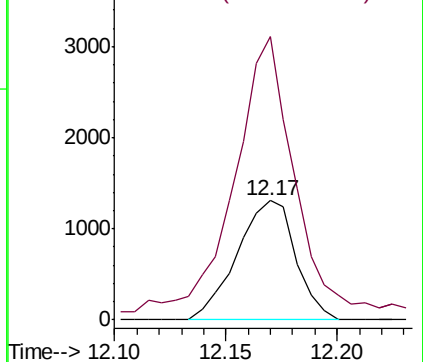
106 100

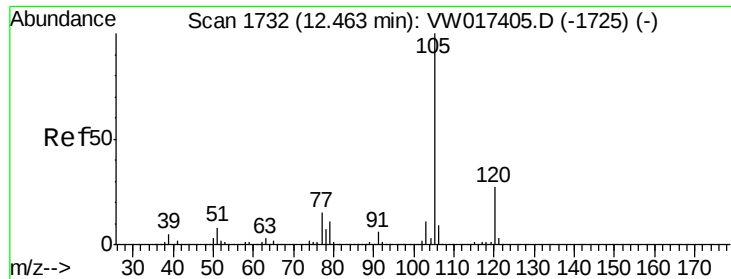
91 237.7 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.578 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

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ClientSampleId :

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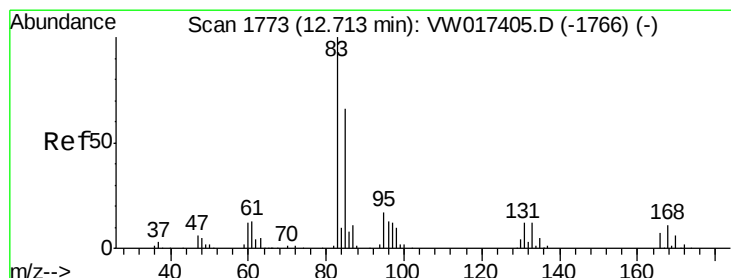
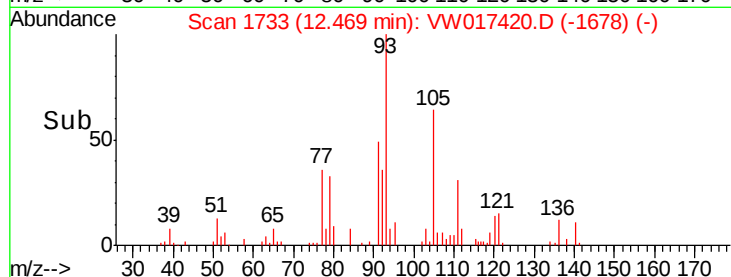
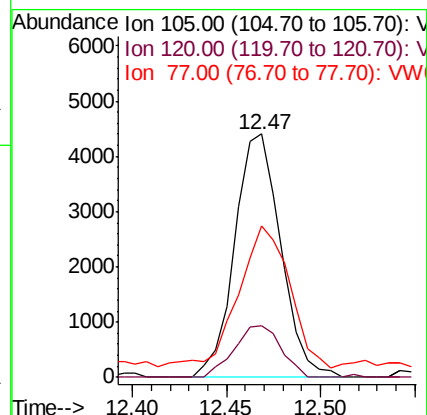
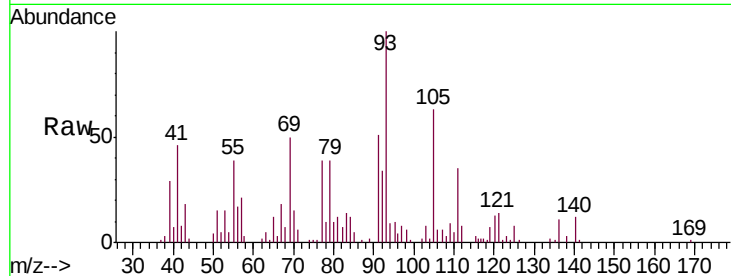
Tgt Ion: 105 Resp: 7476

Ion Ratio Lower Upper

105 100

120 21.3 21.6 32.4#

77 62.5 11.8 17.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 1.770 ug/L

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

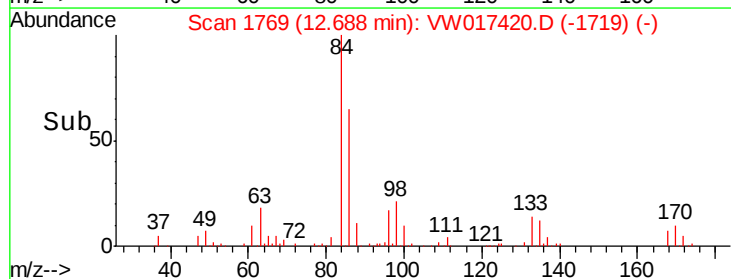
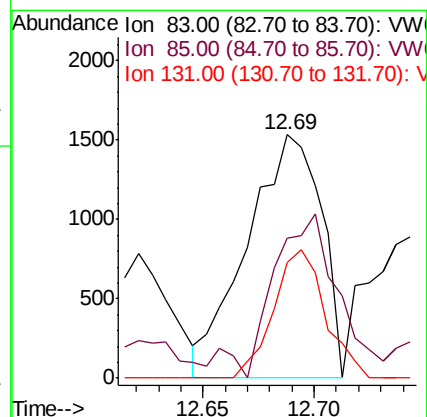
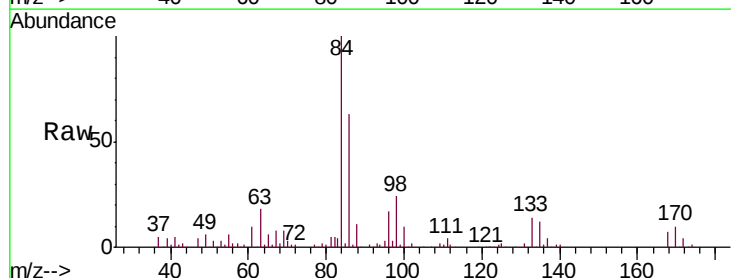
Tgt Ion: 83 Resp: 3547

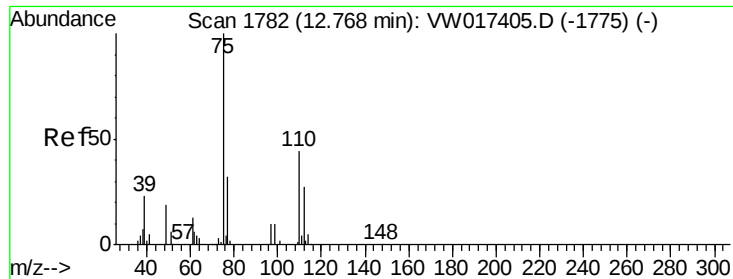
Ion Ratio Lower Upper

83 100

85 57.6 44.2 82.0

131 47.5 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 0.214 ug/L

RT: 13.29 min Scan# 1867

Delta R.T. 0.52 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

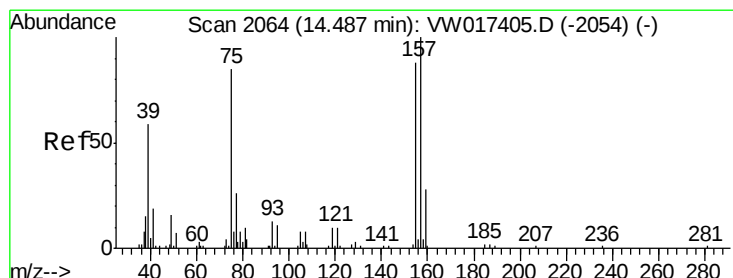
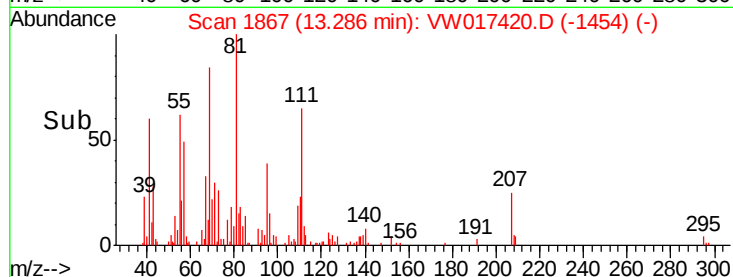
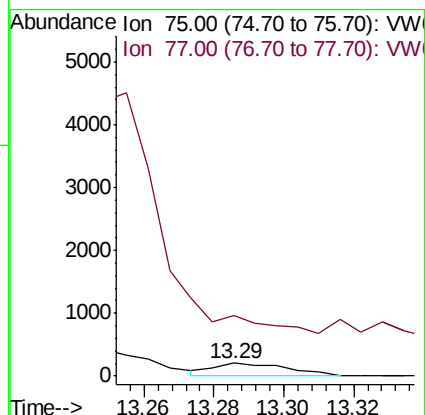
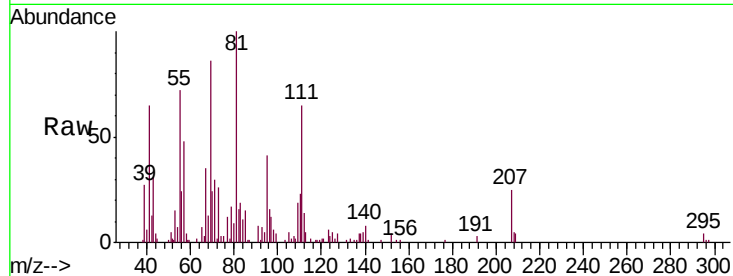
C0AD1

Tgt Ion: 75 Resp: 309

Ion Ratio Lower Upper

75 100

77 31.1 26.6 40.0



#66

1,2-Dibromo-3-chloropropane

Concen: 27.744 ug/L

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW017420.D

Acq: 20 Nov 2020 16:22

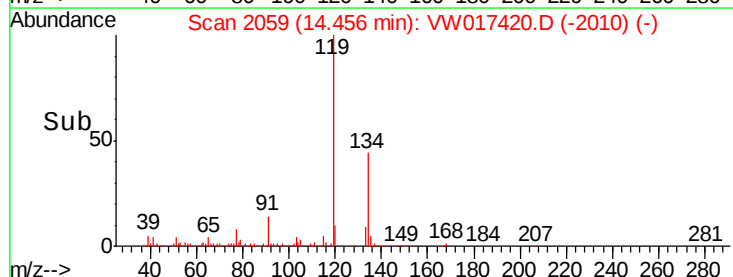
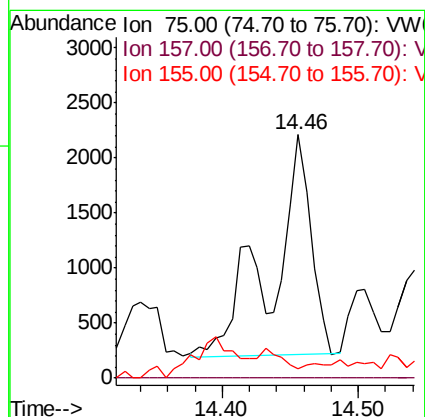
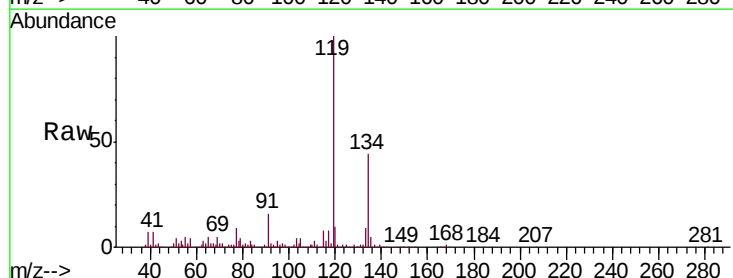
Tgt Ion: 75 Resp: 4051

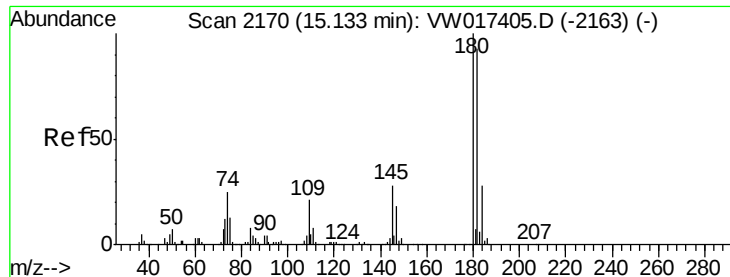
Ion Ratio Lower Upper

75 100

157 0.0 106.7 160.1#

155 4.0 70.6 106.0#

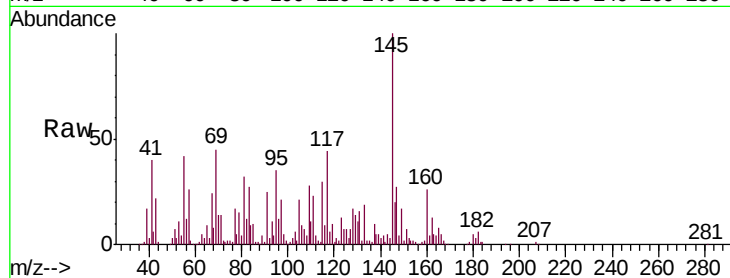




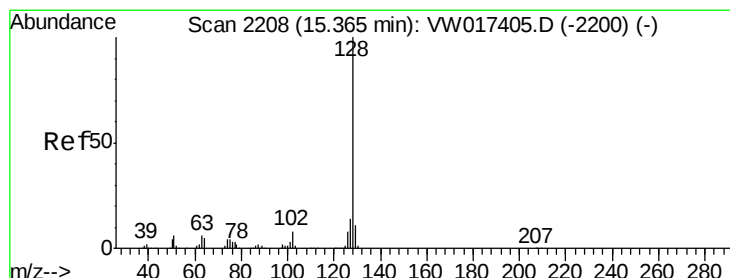
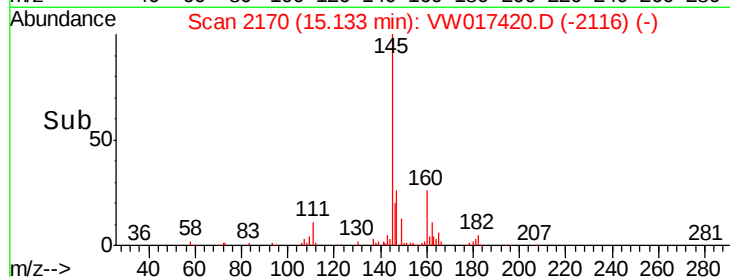
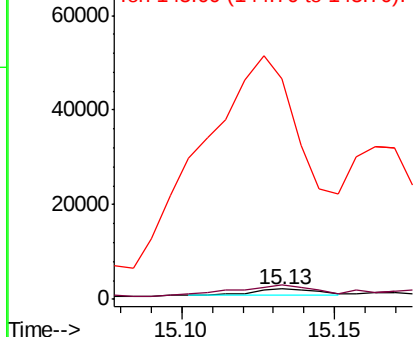
#68
 1,2,4-trichlorobenzene
 Concen: 1.028 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017420.D
 Acq: 20 Nov 2020 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1

Tgt Ion:180 Resp: 1730
 Ion Ratio Lower Upper
 180 100
 182 277.5 77.0 115.6#
 145 7464.3 22.9 34.3#

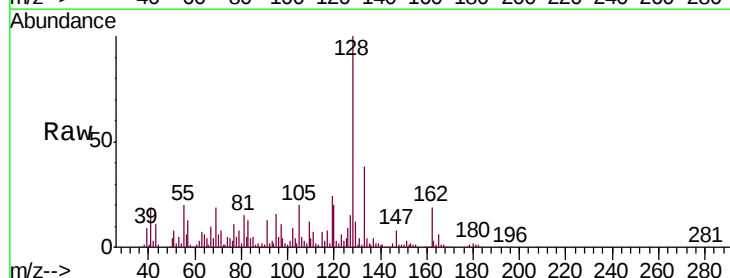


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

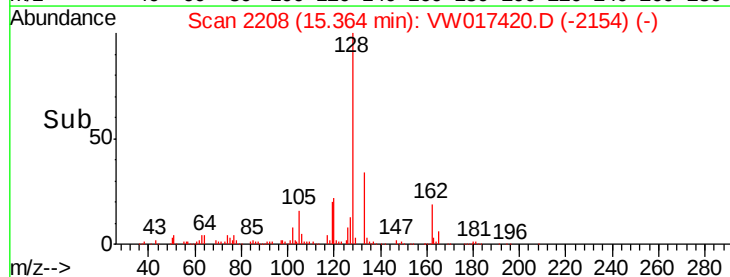
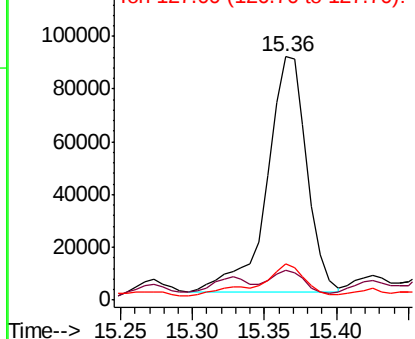


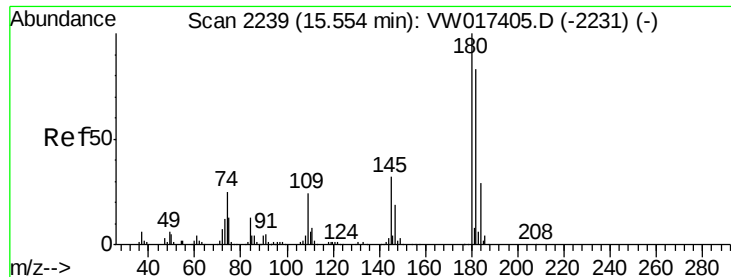
#69
 Naphthalene
 Concen: 70.965 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW017420.D
 Acq: 20 Nov 2020 16:22

Tgt Ion:128 Resp: 171466
 Ion Ratio Lower Upper
 128 100
 129 8.3 8.6 13.0#
 127 10.9 10.4 15.6



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

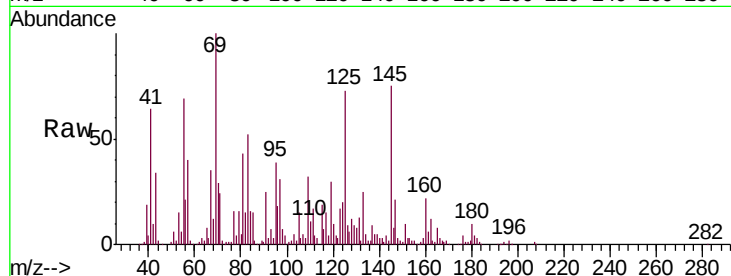




#70
 1,2,3-Trichlorobenzene
 Concen: 3.214 ug/L
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.02 min
 Lab File: VW017420.D
 Acq: 20 Nov 2020 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1

Tgt Ion:180 Resp: 4758
 Ion Ratio Lower Upper
 180 100
 182 4.0 78.6 118.0#
 145 2528.6 25.4 38.0#



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

