

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017058.D
 Acq On : 03 Nov 2020 14:46
 Operator : SY/VA
 Sample : L4615-03
 Misc : 6.07G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG475

Quant Time: Nov 04 04:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	505406	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414077	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144618	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	130528	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
7) Chloroethane-d5	2.90	69	109667	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.04%
10) 1,1-Dichloroethene-d2	4.03	63	191810	16.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.64%
20) 2-Butanone-d5	7.08	46	57142	52.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.00%
24) Chloroform-d	7.65	84	275264	23.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	8.31	65	132151	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.36%
29) Benzene-d6	8.28	84	555323	26.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.44%
33) 1,2-Dichloropropane-d6	9.28	67	155141	27.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.08%
37) Toluene-d8	10.33	98	501629	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.58	79	59969	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.44%
39) 2-Hexanone-d5	10.93	63	43371	53.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108160	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	124375	24.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.88%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	4.05	96	7056	1.066 ug/L #	1
13) Acetone	4.13	43	6723	9.093 ug/L	100
14) Carbon disulfide	4.39	76	13388	0.667 ug/L #	91
16) Methylene chloride	4.92	84	14596	2.184 ug/L	92
21) 2-Butanone	7.18	43	1388	1.122 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	30443	4.352 ug/L	97
34) Benzene	8.33	78	164473	7.190 ug/L	100
35) Trichloroethene	9.10	95	1693739	267.349 ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4583	0.574 ug/L #	77
43) 4-Methyl-2-pentanone	10.21	43	2455	1.014 ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2666	0.403 ug/L #	79
47) Tetrachloroethene	10.86	164	5907536	1013.705 ug/L	90
49) 2-Hexanone	10.93	43	4449	2.883 ug/L #	89
54) m,p-Xylene	11.84	106	2845	0.260 ug/L	96
55) o-xylene	12.17	106	2543	0.251 ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	2467	0.265 ug/L #	86
65) 1,2-Dichlorobenzene	13.87	146	2989	0.363 ug/L #	77

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Quant Title : VOC Analysis
QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration

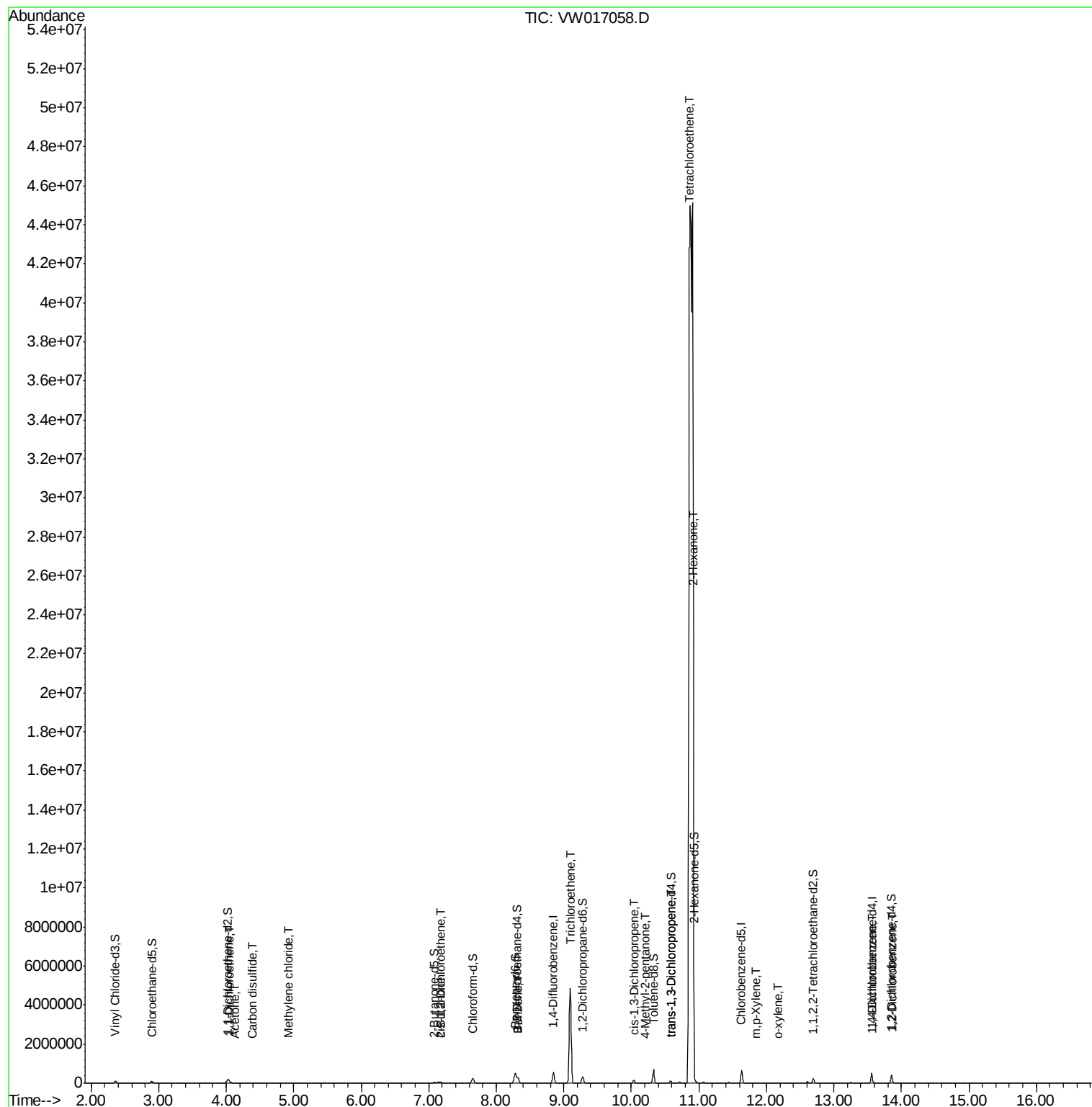
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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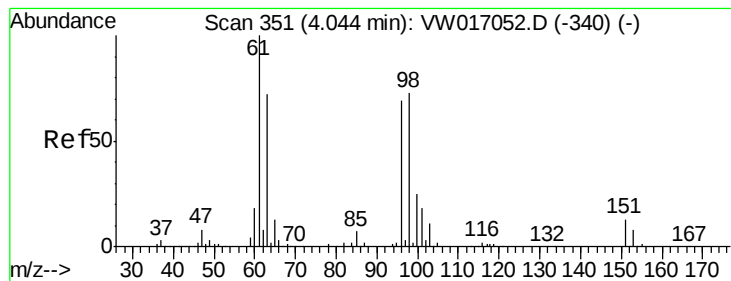
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110320\
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#12

1,1-Dichloroethene

Concen: 1.066 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

BG475

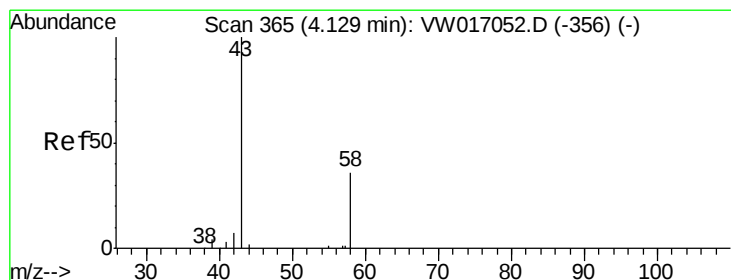
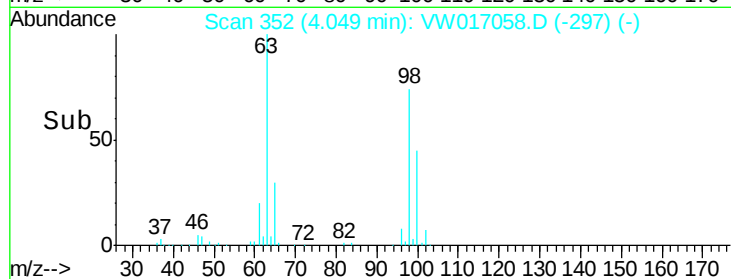
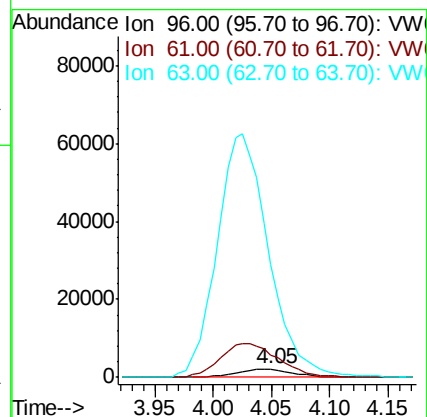
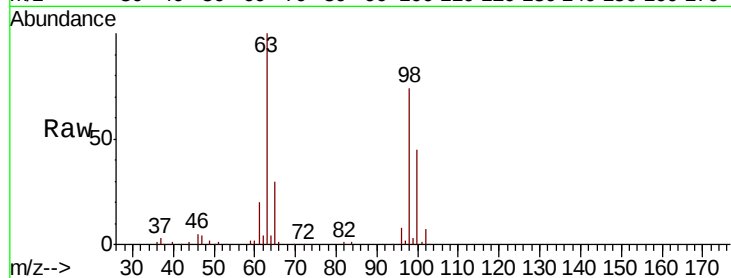
Tot Ion: 96 Resp: 7056

Ion Ratio Lower Upper

96 100

61 262.5 101.4 188.4#

63 1299.3 78.5 145.9#



#13

Acetone

Concen: 9.093 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017058.D

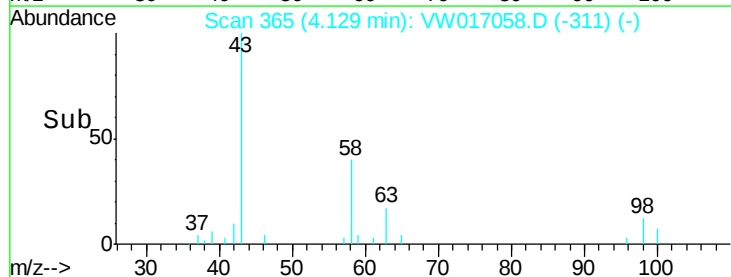
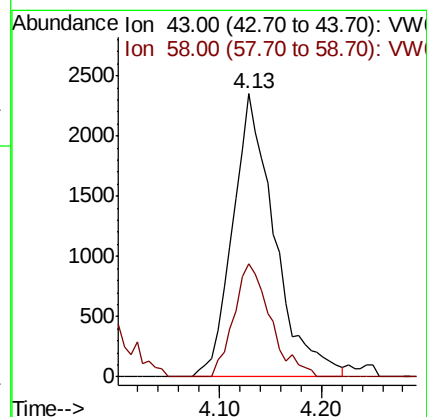
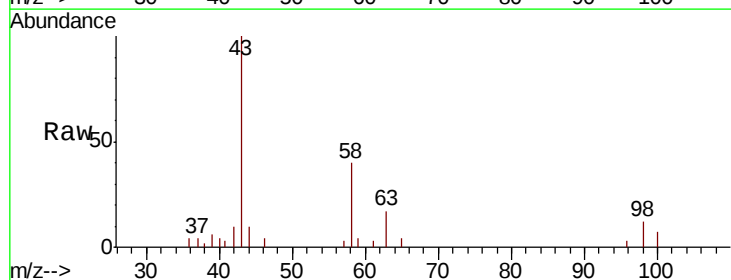
Acq: 03 Nov 2020 14:46

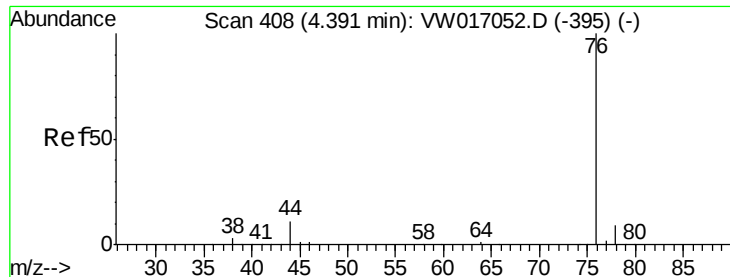
Tgt Ion: 43 Resp: 6723

Ion Ratio Lower Upper

43 100

58 34.8 0.0 69.8





#14

Carbon disulfide

Concen: 0.667 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

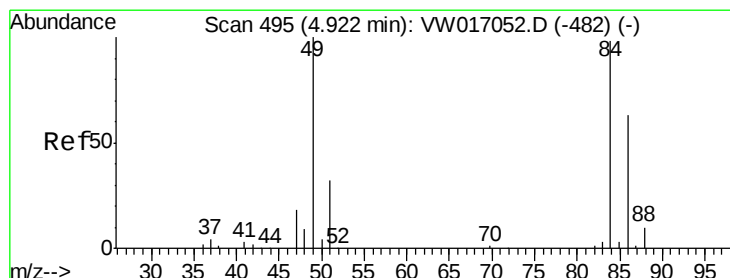
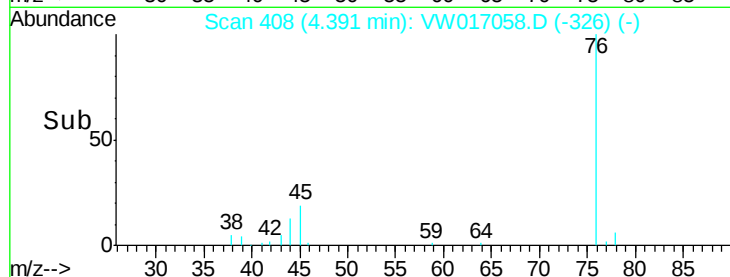
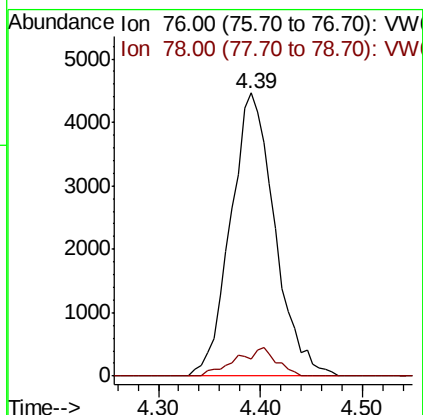
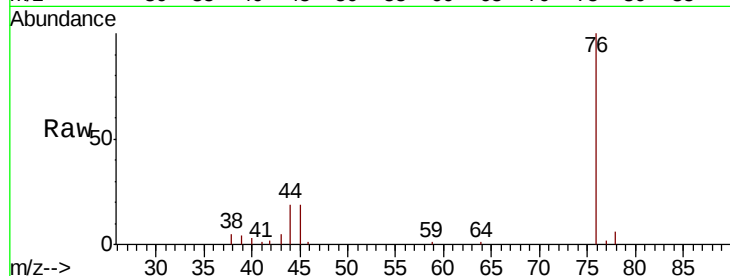
BG475

Tot Ion: 76 Resp: 13388

Ion Ratio Lower Upper

76 100

78 6.0 7.3 10.9#



#16

Methylene chloride

Concen: 2.184 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

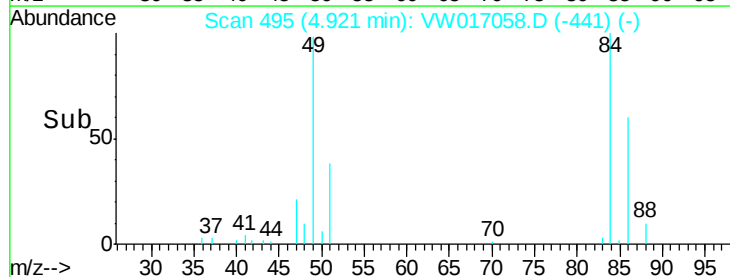
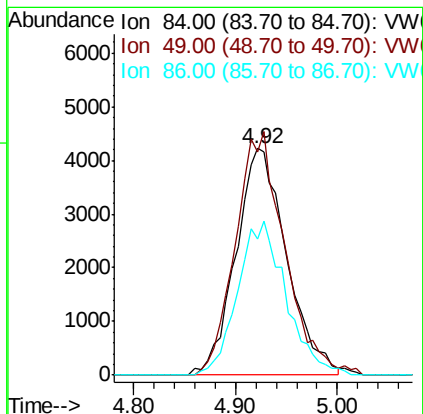
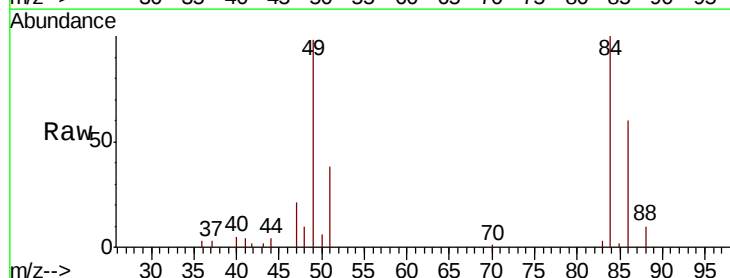
Tgt Ion: 84 Resp: 14596

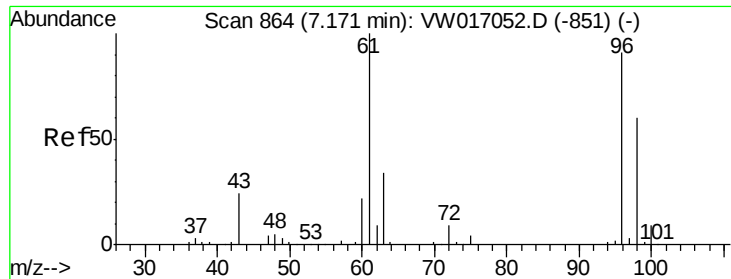
Ion Ratio Lower Upper

84 100

49 98.4 73.8 137.0

86 60.0 47.4 88.0

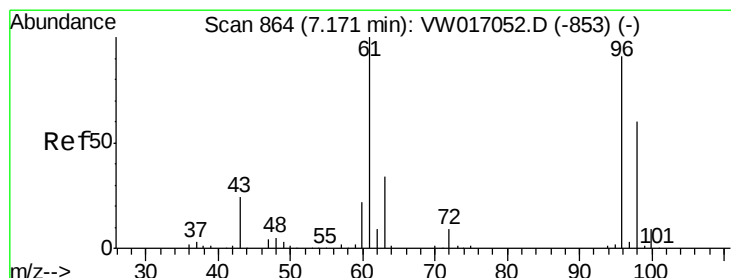
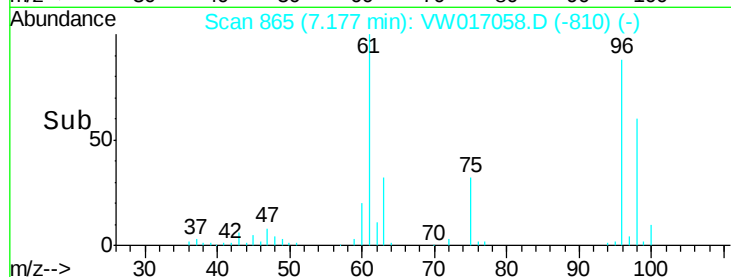
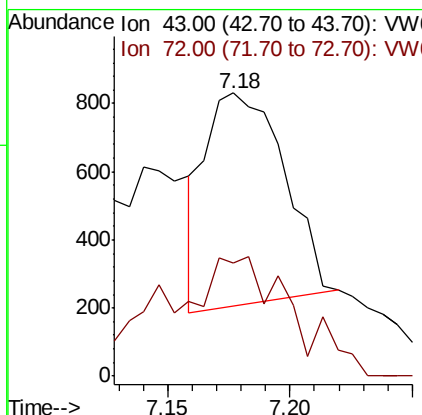
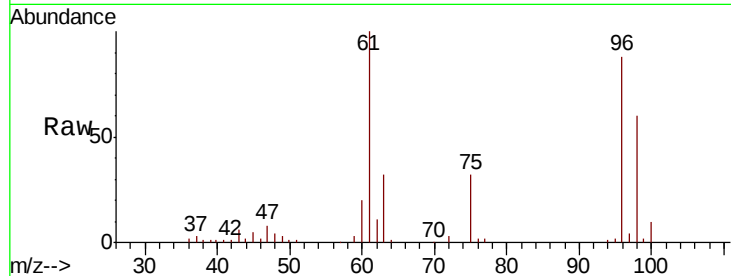




#21
 2-Butanone
 Concen: 1.122 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017058.D
 Acq: 03 Nov 2020 14:46

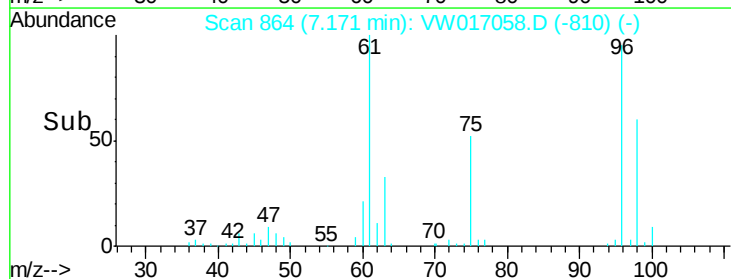
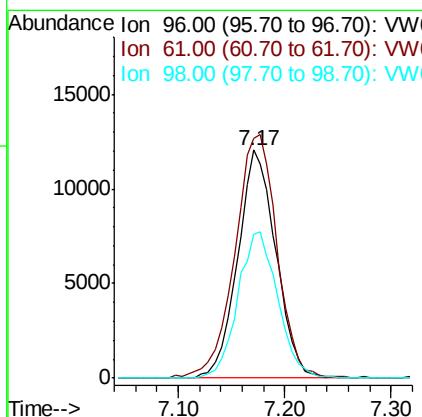
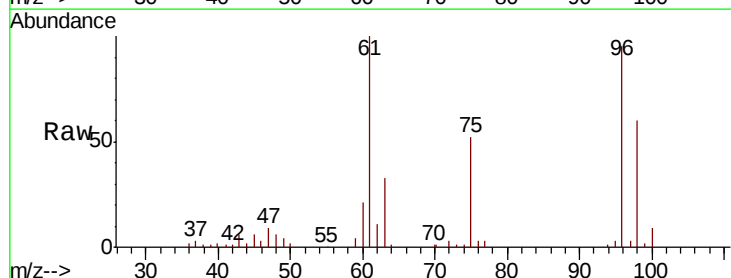
Instrument :
 MSVOA_W
 ClientSampleID :
 BG475

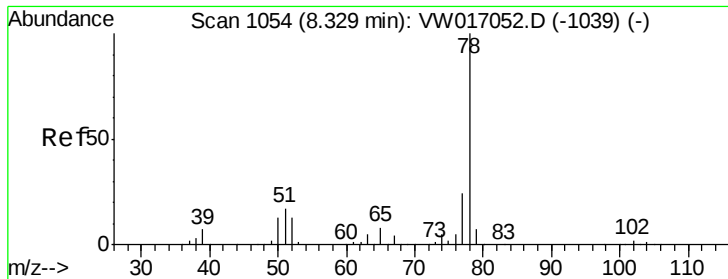
Tot Ion: 43 Resp: 1388
 Ion Ratio Lower Upper
 43 100
 72 32.8 16.1 48.2



#22
 cis-1,2-Dichloroethene
 Concen: 4.352 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017058.D
 Acq: 03 Nov 2020 14:46

Tgt Ion: 96 Resp: 30443
 Ion Ratio Lower Upper
 96 100
 61 105.3 77.4 143.8
 98 63.4 44.4 82.5





#34

Benzene

Concen: 7.190 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

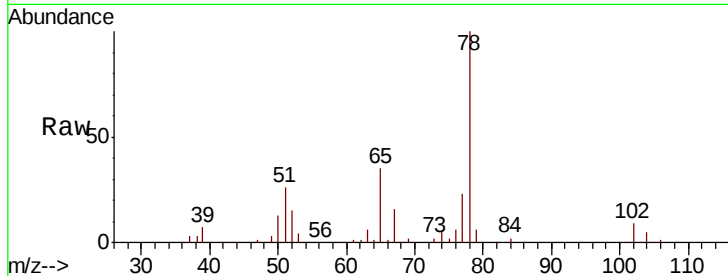
Instrument :

MSVOA_W

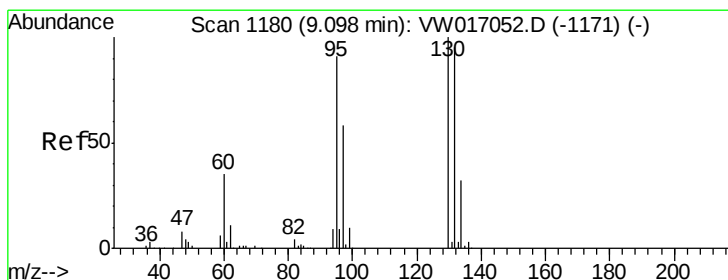
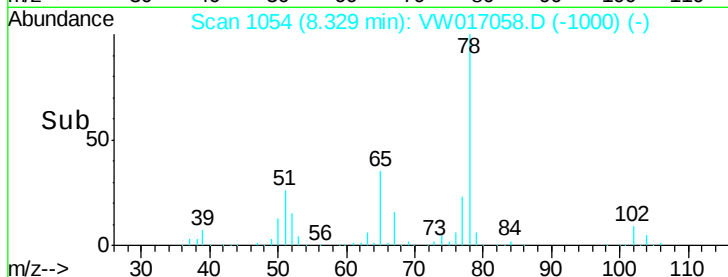
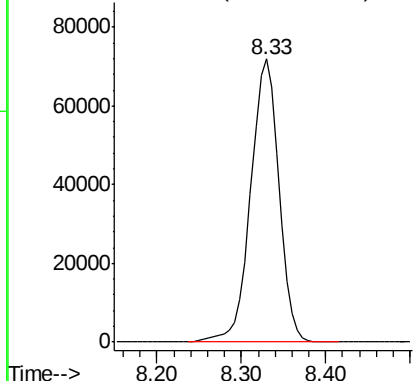
ClientSampled :

BG475

Tgt Ion: 78 Resp: 164473



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 267.349 ug/L

RT: 9.10 min Scan# 1180

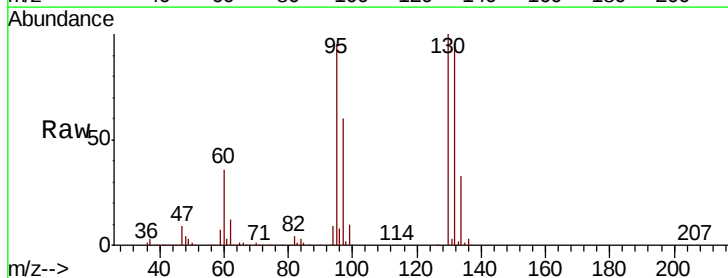
Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Tgt Ion: 95 Resp: 1693739

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.0	85.4
132	104.8	73.9	137.3
130	110.1	77.6	144.2

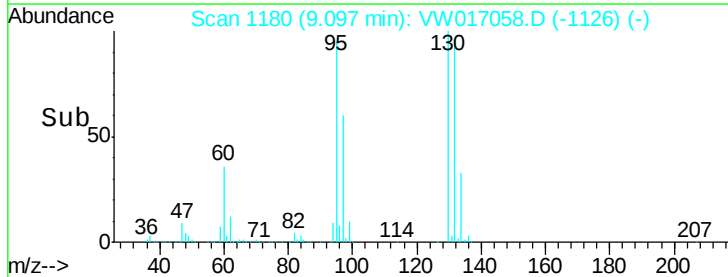
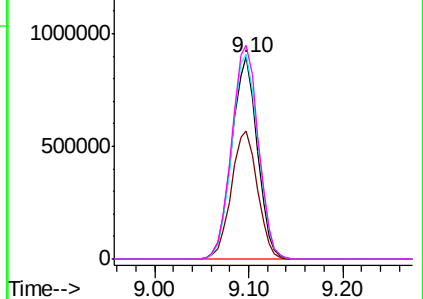


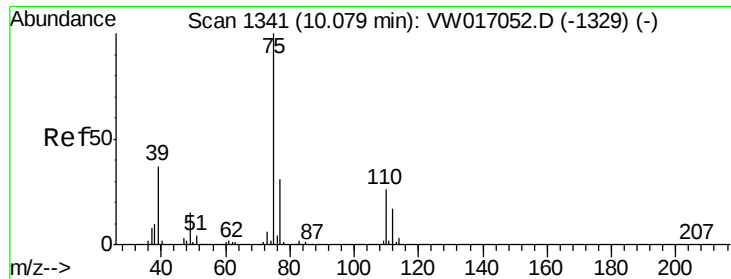
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.574 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.04 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

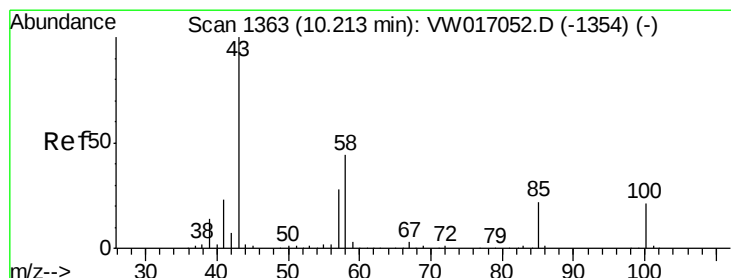
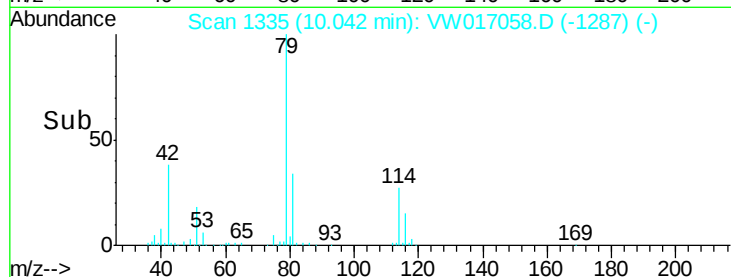
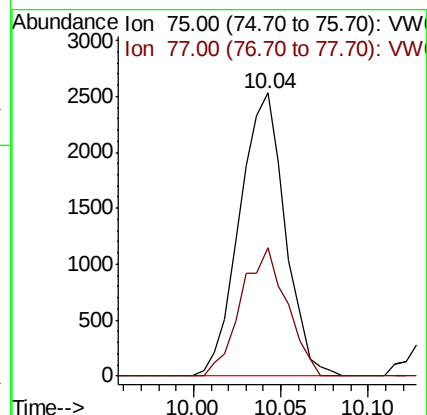
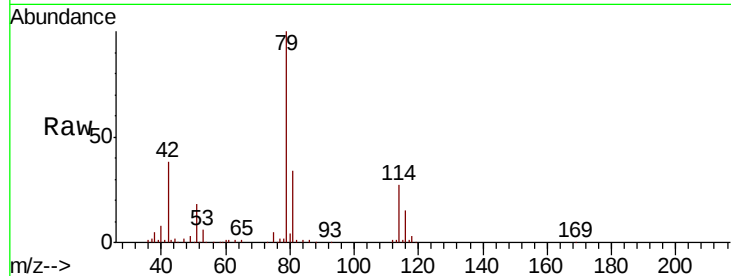
BG475

Tot Ion: 75 Resp: 4583

Ion Ratio Lower Upper

75 100

77 45.5 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 1.014 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

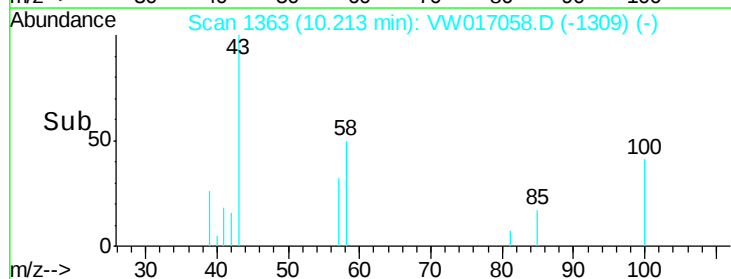
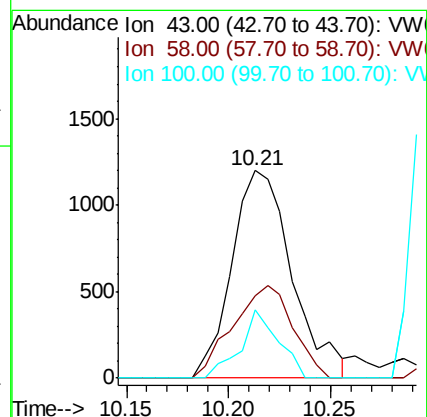
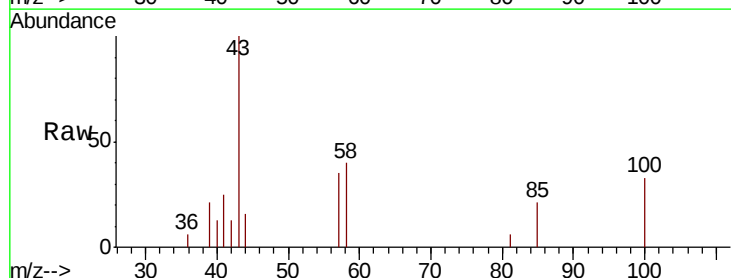
Tgt Ion: 43 Resp: 2455

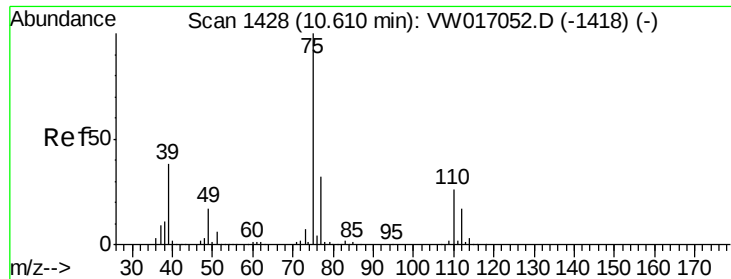
Ion Ratio Lower Upper

43 100

58 44.4 34.4 51.6

100 20.7 16.2 24.2





#45

trans-1,3-Dichloropropene

Concen: 0.403 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

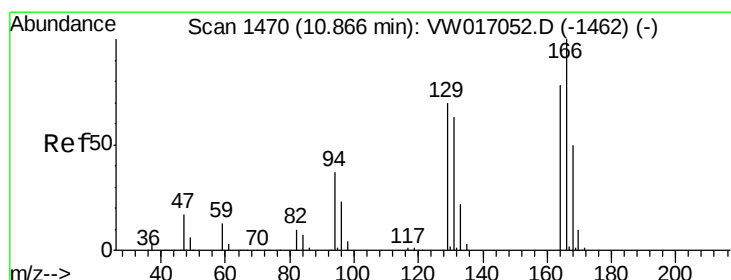
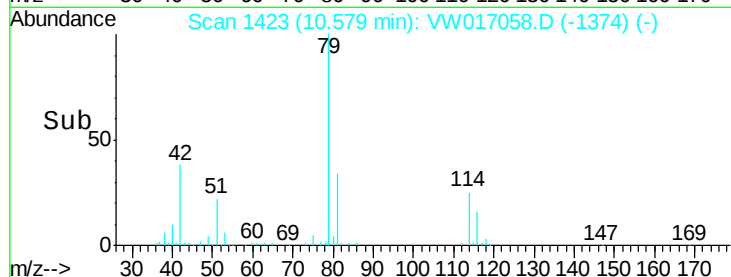
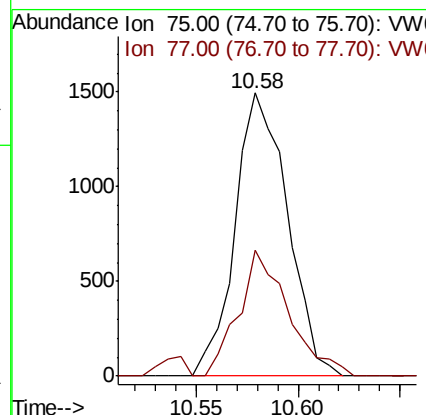
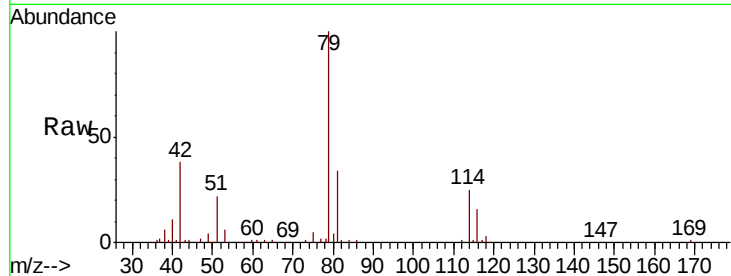
BG475

Tot Ion: 75 Resp: 2666

Ion Ratio Lower Upper

75 100

77 44.4 22.7 42.3#



#47

Tetrachloroethene

Concen: 1013.705 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Tgt Ion: 164 Resp: 5907536

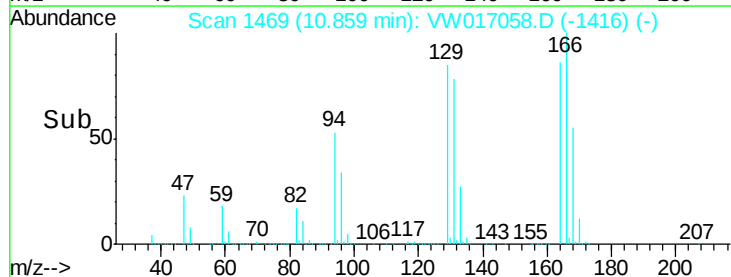
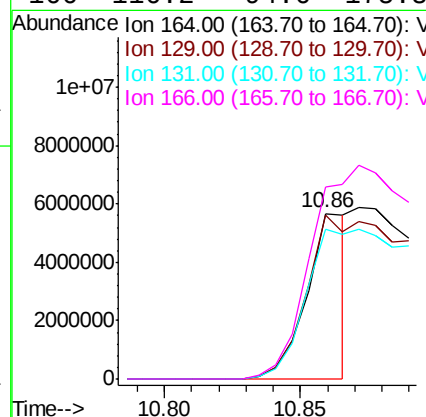
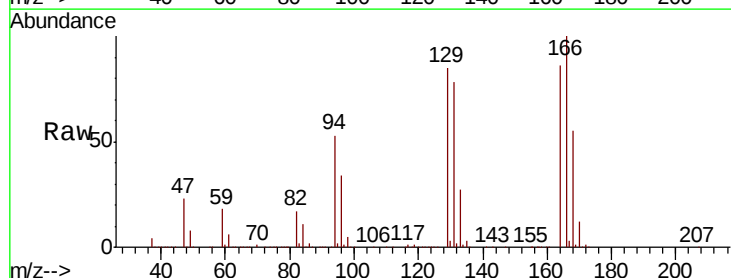
Ion Ratio Lower Upper

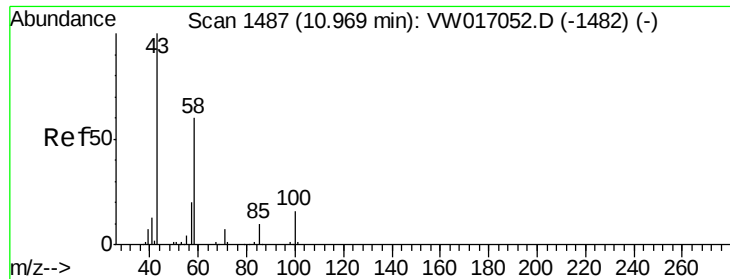
164 100

129 98.7 64.0 119.0

131 90.3 61.7 114.5

166 116.2 94.6 175.8

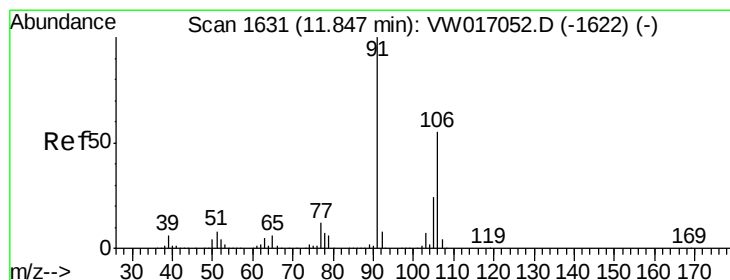
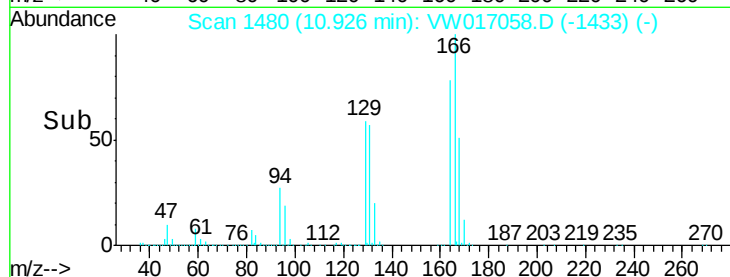
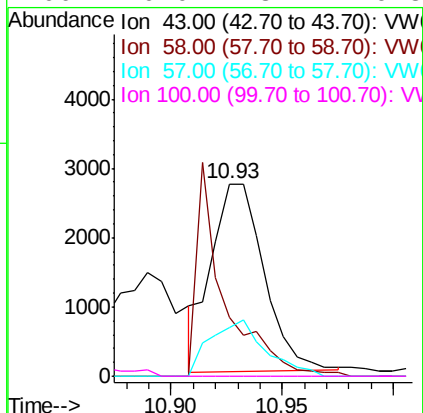
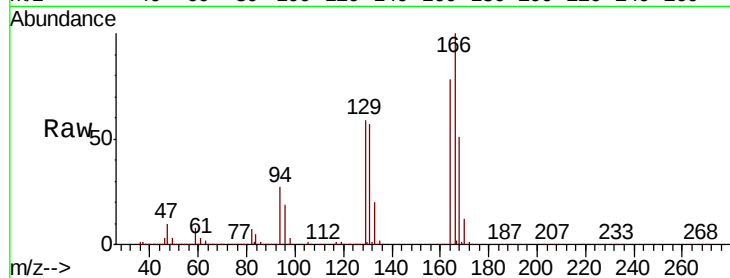




#49
2-Hexanone
Concen: 2.883 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW017058.D
Acq: 03 Nov 2020 14:46

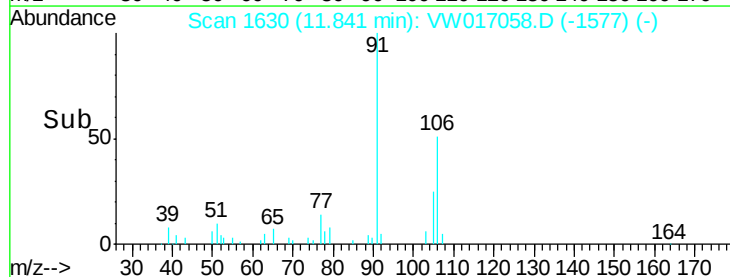
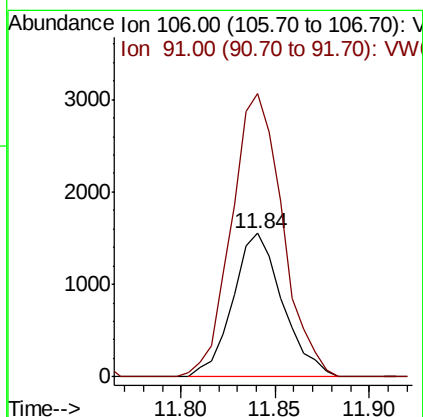
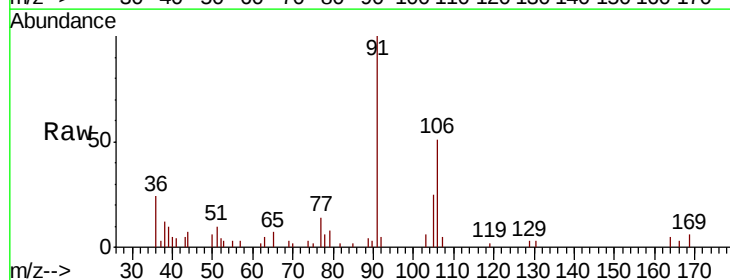
Instrument :
MSVOA_W
ClientSampled :
BG475

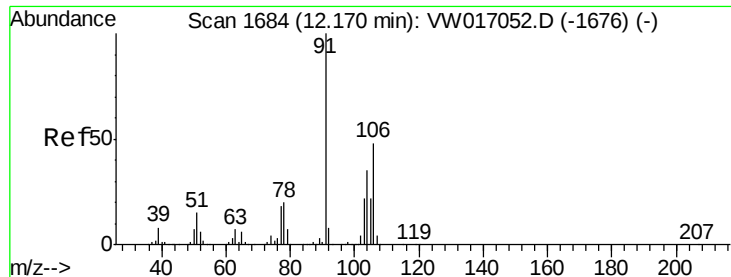
Tot Ion: 43 Resp: 4449
Ion Ratio Lower Upper
43 100
58 61.2 49.2 73.8
57 31.7 17.0 25.4#
100 0.0 13.2 19.8#



#54
m,p-Xylene
Concen: 0.260 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW017058.D
Acq: 03 Nov 2020 14:46

Tgt Ion: 106 Resp: 2845
Ion Ratio Lower Upper
106 100
91 197.5 134.2 249.2





#55

o-xylene

Concen: 0.251 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

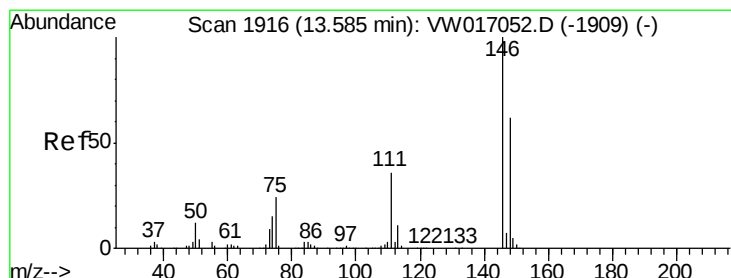
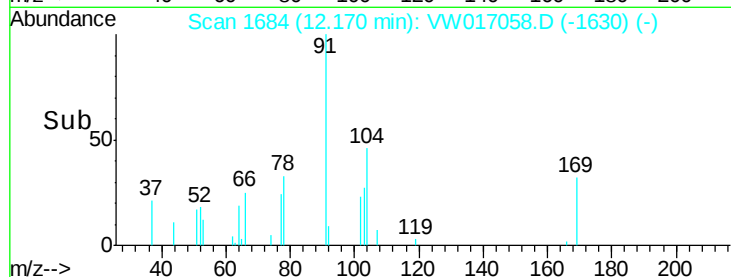
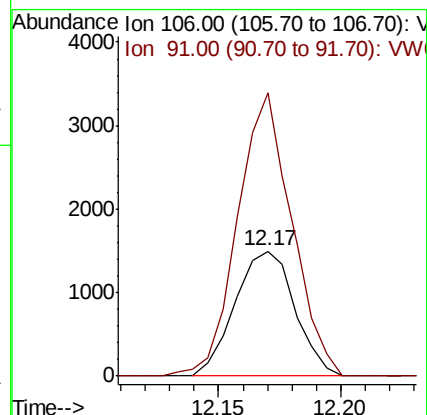
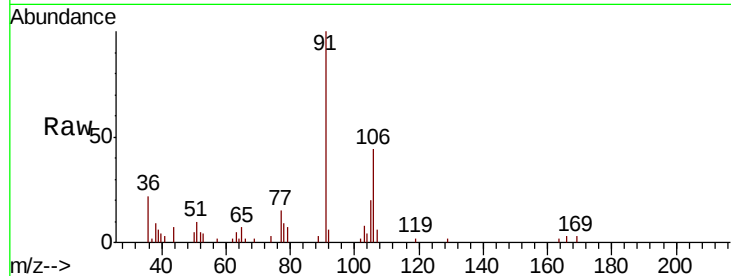
BG475

Tot Ion:106 Resp: 2543

Ion Ratio Lower Upper

106 100

91 226.9 150.9 280.3



#64

1,4-Dichlorobenzene

Concen: 0.265 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW017058.D

Acq: 03 Nov 2020 14:46

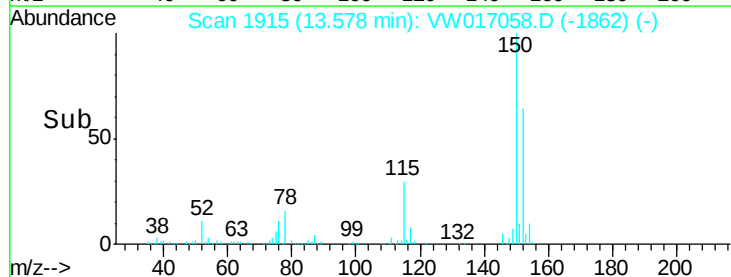
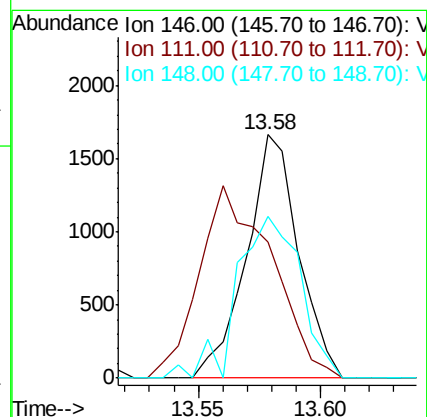
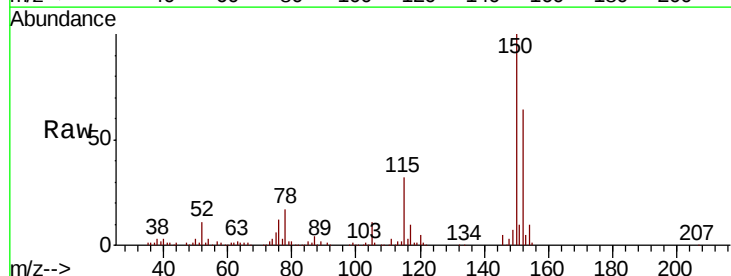
Tgt Ion:146 Resp: 2467

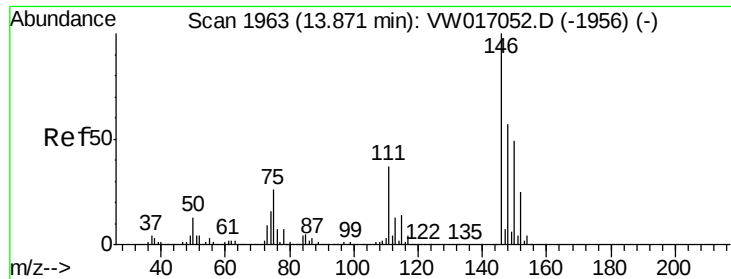
Ion Ratio Lower Upper

146 100

111 55.8 25.7 47.7#

148 66.3 44.3 82.3

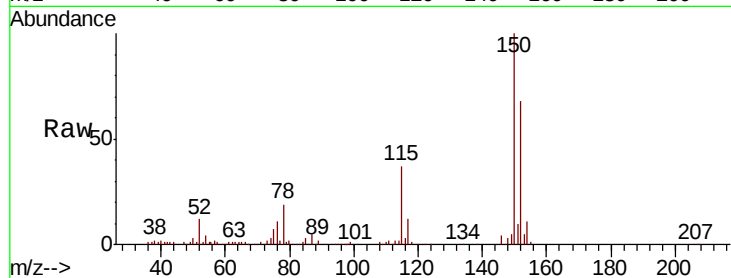




#65
 1,2-Dichlorobenzene
 Concen: 0.363 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017058.D
 Acq: 03 Nov 2020 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BG475

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.5	31.4	47.0#
148	72.2	47.7	71.5#



Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

