

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017541.D
 Acq On : 03 Dec 2020 18:19
 Operator : SY/VA
 Sample : L4920-13
 Misc : 5.86G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F9

Quant Time: Dec 04 06:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	299966	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	240990	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	84478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74404	18.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.28%
7) Chloroethane-d5	2.89	69	65770	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
10) 1,1-Dichloroethene-d2	4.02	63	134405	15.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.28%
20) 2-Butanone-d5	7.08	46	50220	58.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.06%
24) Chloroform-d	7.65	84	193998	22.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	8.31	65	105526	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	8.27	84	368819	24.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.76%
33) 1,2-Dichloropropane-d6	9.27	67	109385	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.76%
37) Toluene-d8	10.33	98	317852	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.96%
38) trans-1,3-Dichloropropene-	10.58	79	42862	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.93	63	32446	61.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	80299	26.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	75868	23.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	876	0.238 ug/L #	1
12) 1,1-Dichloroethene	4.04	96	8823	2.110 ug/L #	1
13) Acetone	4.13	43	6694	7.946 ug/L	88
14) Carbon disulfide	4.40	76	6213	0.523 ug/L #	94
16) Methylene chloride	4.92	84	19274	4.261 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	962	0.210 ug/L #	87
22) cis-1,2-Dichloroethene	7.17	96	9004	2.006 ug/L	95
34) Benzene	8.32	78	77153	5.296 ug/L	100
35) Trichloroethene	9.09	95	1152490	284.423 ug/L	97
42) cis-1,3-Dichloropropene	10.04	75	3647	0.682 ug/L	99
44) Toluene	10.39	91	8896	0.567 ug/L	91
45) trans-1,3-Dichloropropene	10.58	75	1953	0.425 ug/L #	68
47) Tetrachloroethene	10.87	164	12560376	3660.681 ug/L	89
49) 2-Hexanone	10.97	43	608	0.518 ug/L #	83
53) Ethylbenzene	11.73	91	64883	3.652 ug/L	97
54) m,p-Xylene	11.84	106	15543	2.295 ug/L	95
55) o-xylene	12.16	106	9315	1.477 ug/L	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120320\
Data File : VW017541.D
Acq On : 03 Dec 2020 18:19
Operator : SY/VA
Sample : L4920-13
Misc : 5.86G/10ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4F9

Quant Time: Dec 04 06:20:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 04 06:16:45 2020
Response via : Initial Calibration

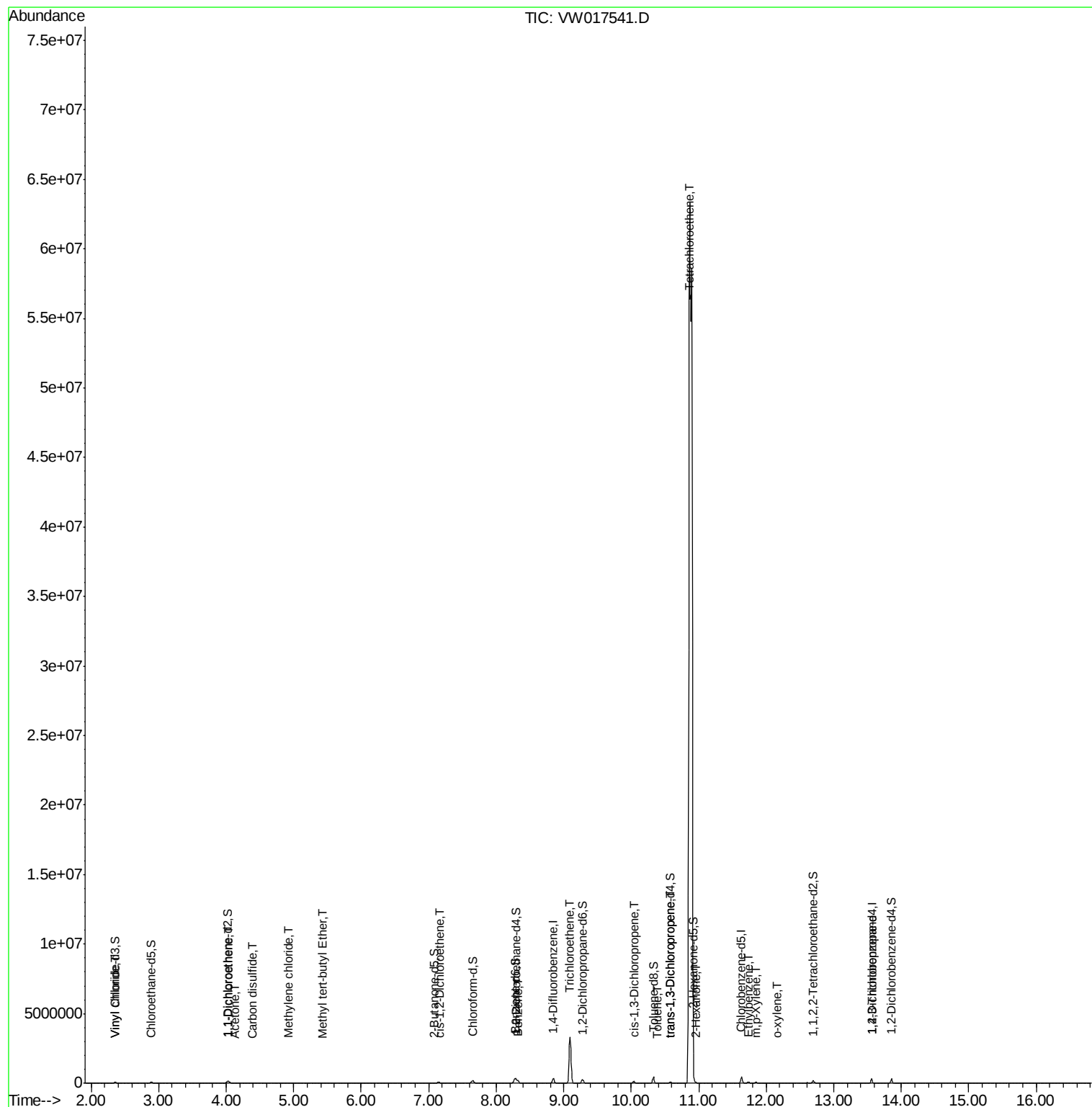
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	13.55	75	10002	4.824	ug/L	90

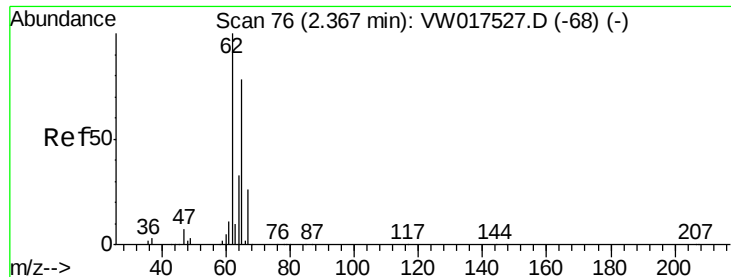
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120320\
Data File : VW017541.D
Acq On : 03 Dec 2020 18:19
Operator : SY/VA
Sample : L4920-13
Misc : 5.86G/10ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4F9

Quant Time: Dec 04 06:20:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 04 06:16:45 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampled :

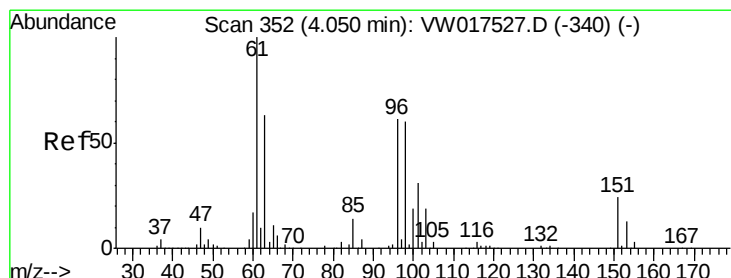
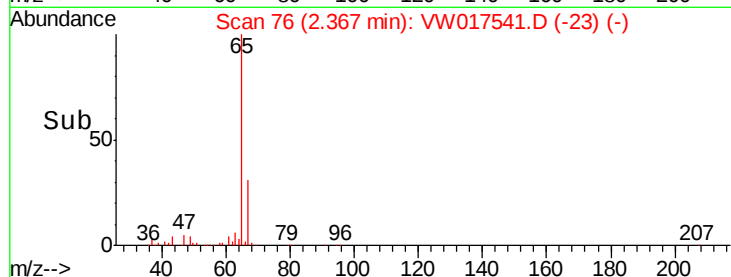
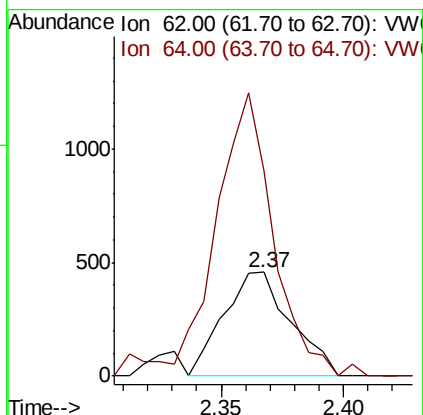
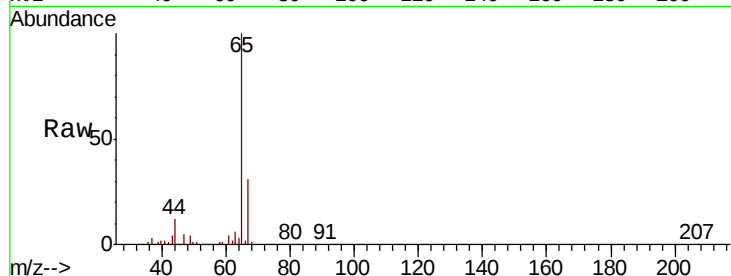
BG4F9

Tot Ion: 62 Resp: 876

Ion Ratio Lower Upper

62 100

64 196.7 23.9 44.5#



#12

1,1-Dichloroethene

Concen: 2.110 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

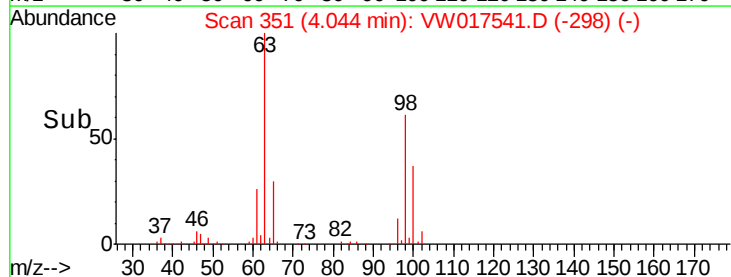
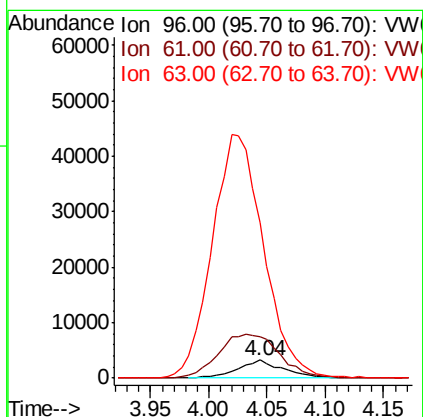
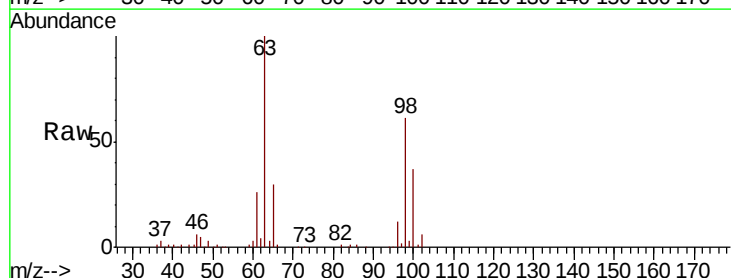
Tgt Ion: 96 Resp: 8823

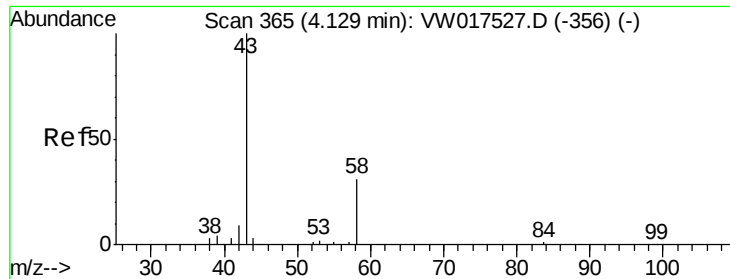
Ion Ratio Lower Upper

96 100

61 227.3 112.5 208.9#

63 865.3 83.1 154.3#





#13

Acetone

Concen: 7.946 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampled :

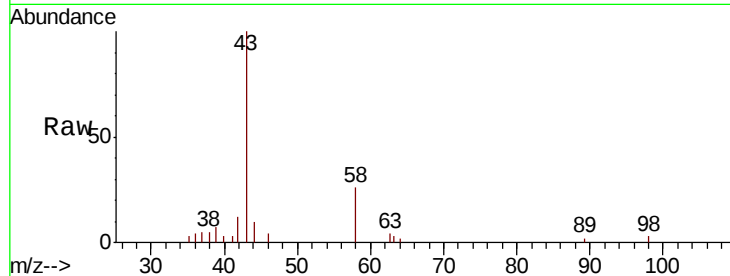
BG4F9

Tot Ion: 43 Resp: 6694

Ion Ratio Lower Upper

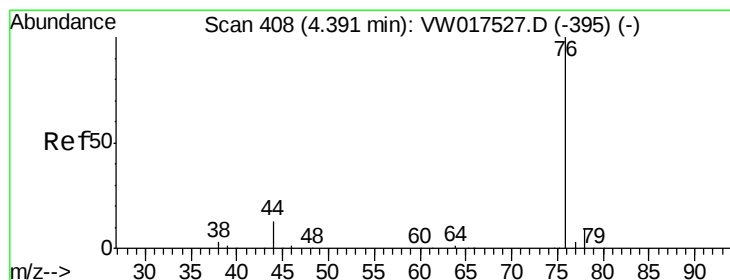
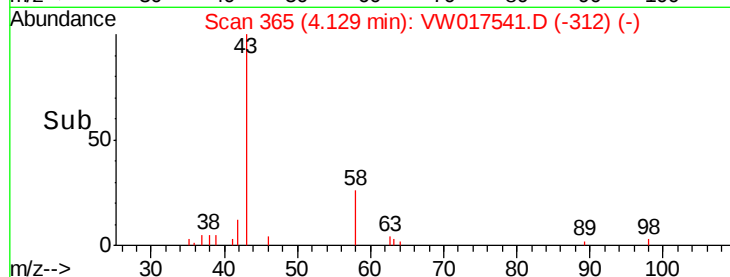
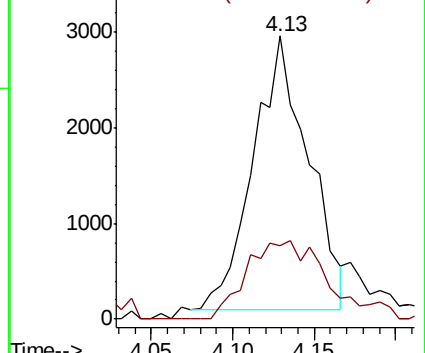
43 100

58 27.3 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.523 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017541.D

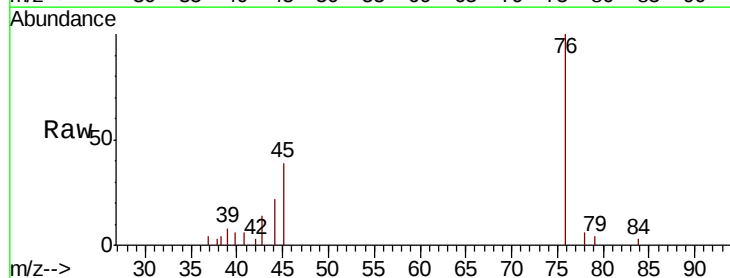
Acq: 03 Dec 2020 18:19

Tgt Ion: 76 Resp: 6213

Ion Ratio Lower Upper

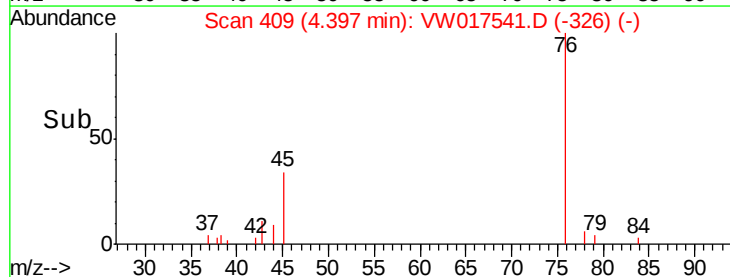
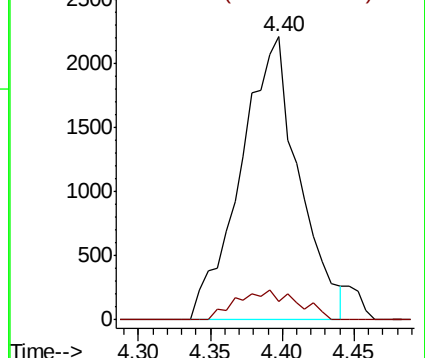
76 100

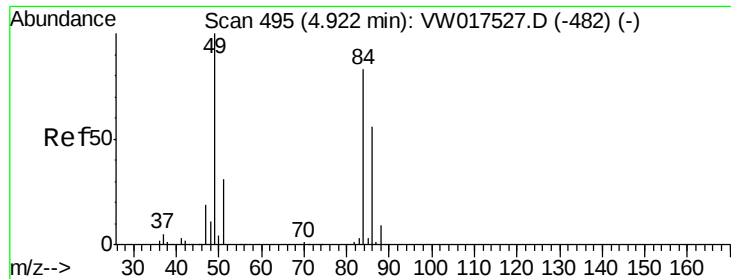
78 6.5 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

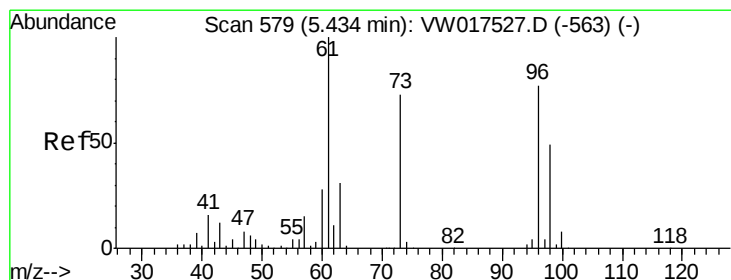
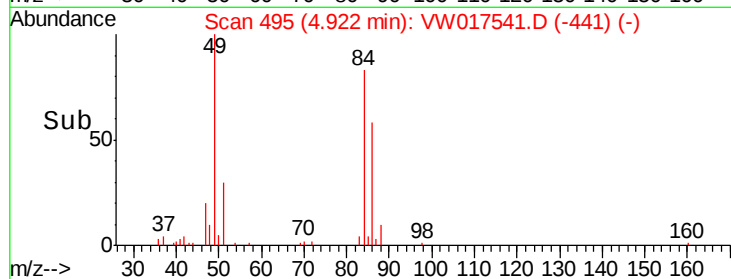
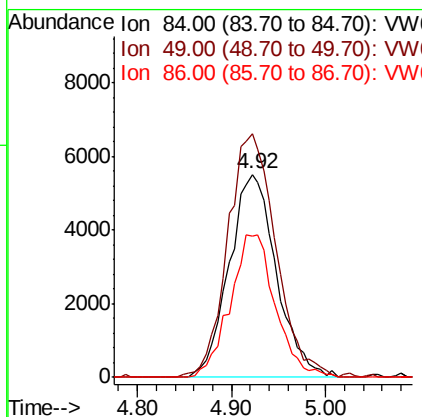
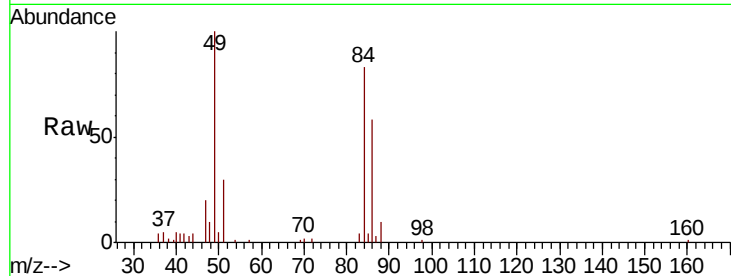




#16
Methvlene chloride
Concen: 4.261 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

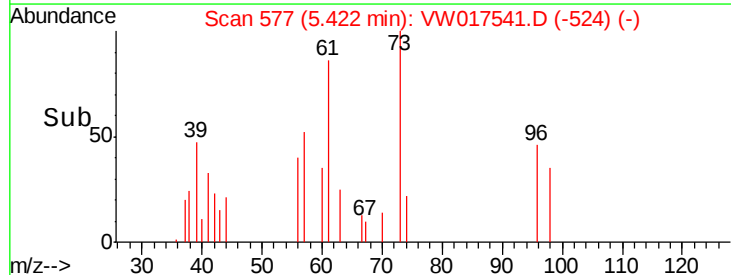
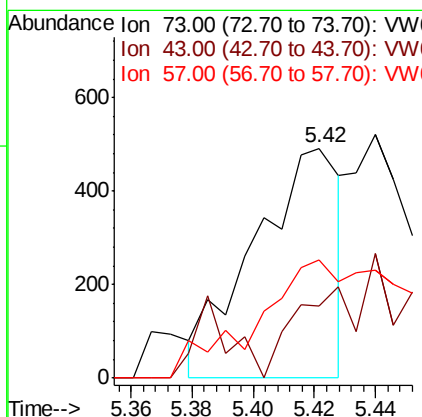
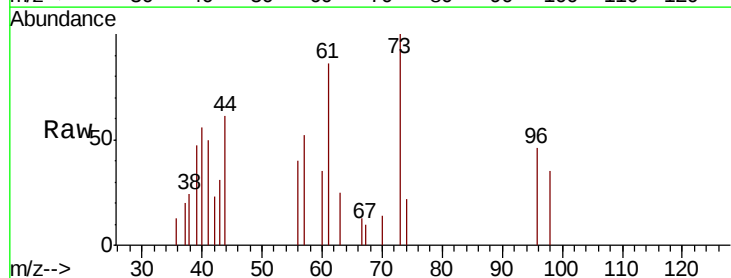
Instrument :
MSVOA_W
ClientSampled :
BG4F9

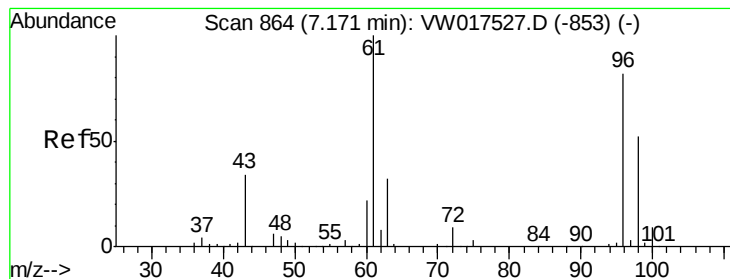
Tot Ion: 84 Resp: 19274
Ion Ratio Lower Upper
84 100
49 120.0 81.2 150.8
86 69.7 44.5 82.7



#17
Methyl tert-butyl Ether
Concen: 0.210 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 73 Resp: 962
Ion Ratio Lower Upper
73 100
43 26.8 16.2 24.4#
57 26.9 17.2 25.8#



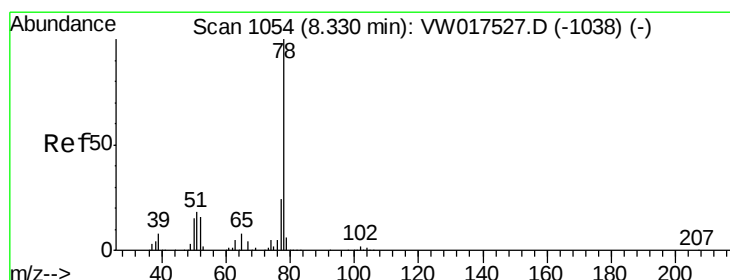
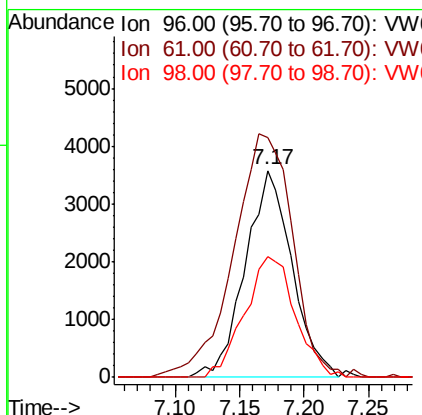
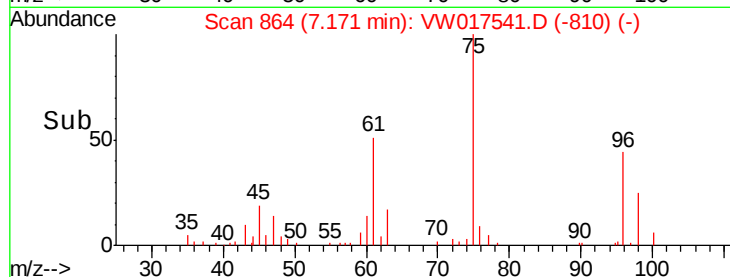
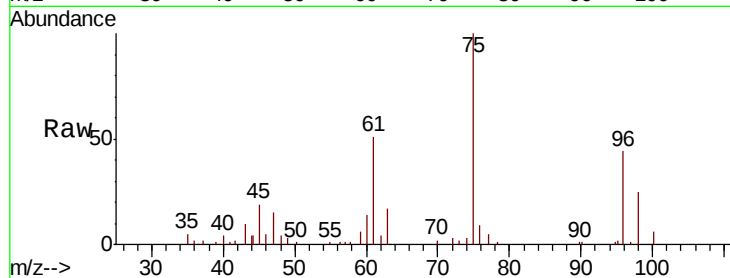


#22

cis-1,2-Dichloroethene
Concen: 2.006 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

Instrument :
MSVOA_W
ClientSampled :
BG4F9

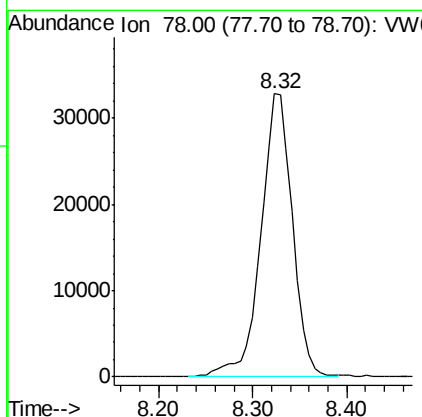
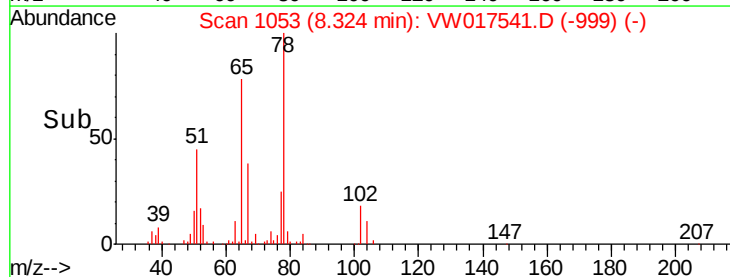
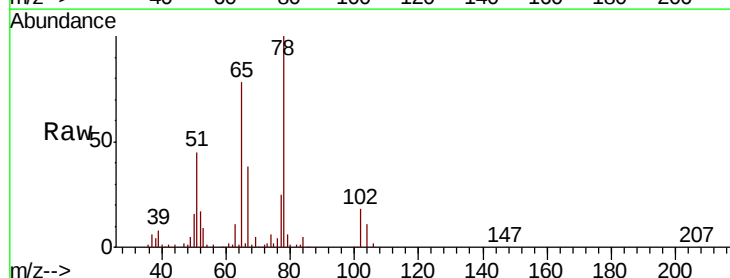
Tot Ion: 96 Resp: 9004
Ion Ratio Lower Upper
96 100
61 116.2 84.6 157.2
98 58.2 44.7 82.9

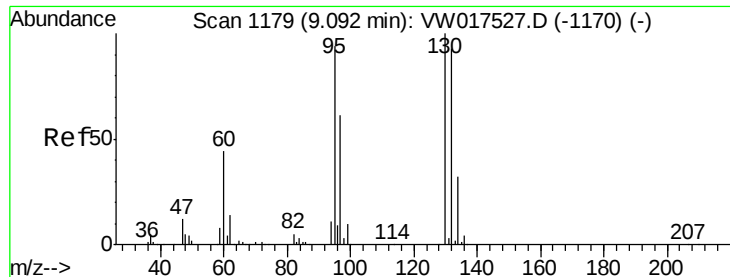


#34

Benzene
Concen: 5.296 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 78 Resp: 77153





#35

Trichloroethene

Concen: 284.423 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

BG4F9

Tot Ion: 95 Resp: 1152490

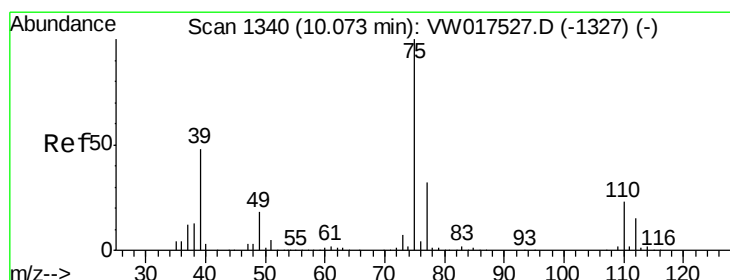
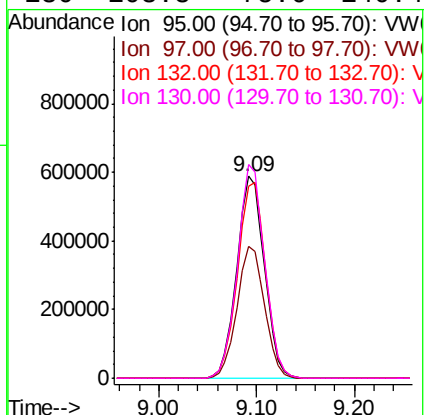
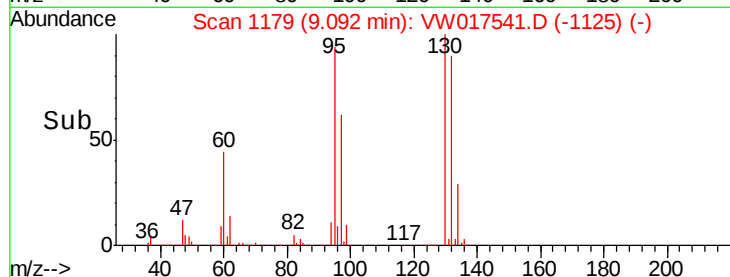
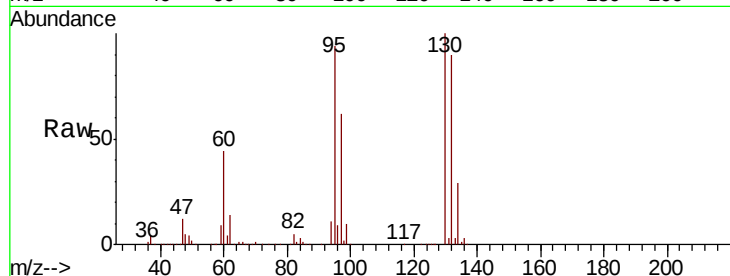
Ion Ratio Lower Upper

95 100

97 65.1 45.0 83.6

132 98.5 71.0 131.8

130 103.8 75.6 140.4



#42

cis-1,3-Dichloropropene

Concen: 0.682 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017541.D

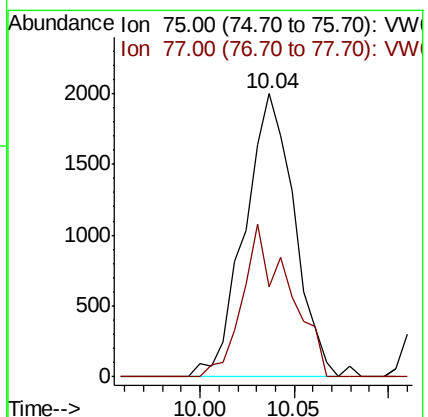
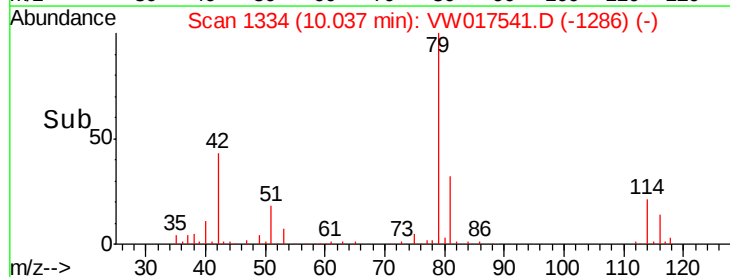
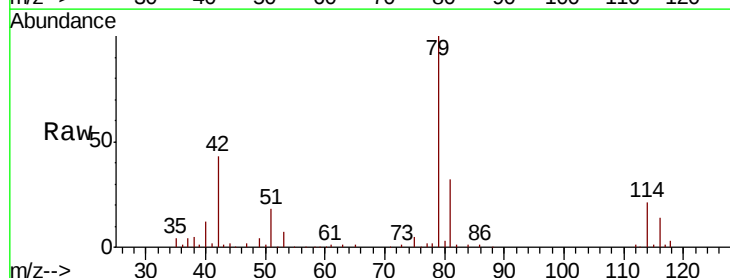
Acq: 03 Dec 2020 18:19

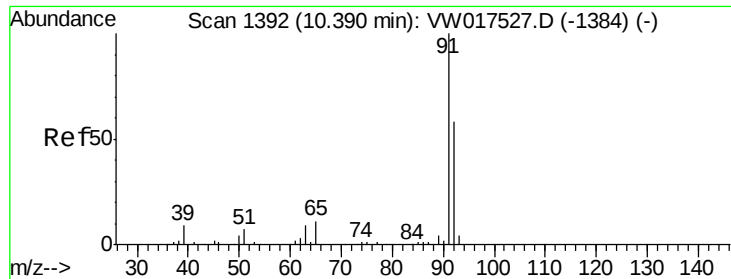
Tgt Ion: 75 Resp: 3647

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3





#44

Toluene

Concen: 0.567 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampled :

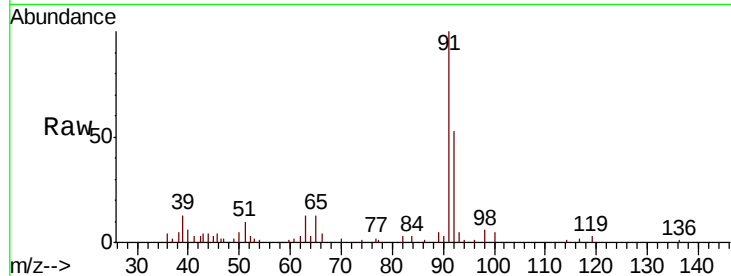
BG4F9

Tot Ion: 91 Resp: 8896

Ion Ratio Lower Upper

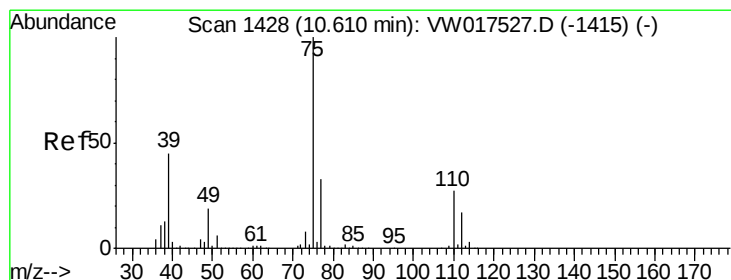
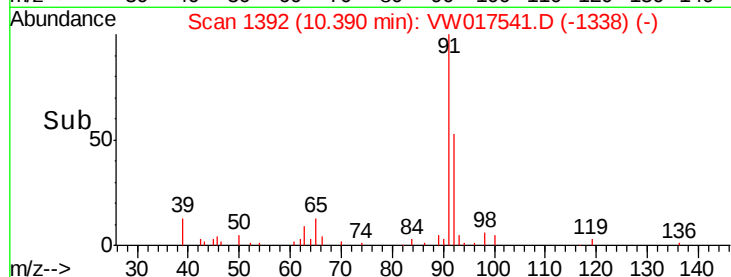
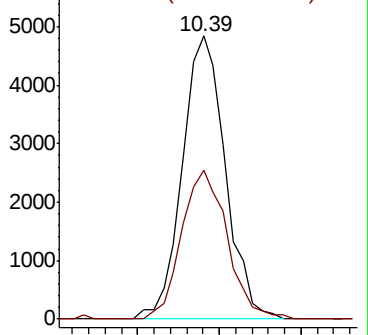
91 100

92 52.5 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.425 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017541.D

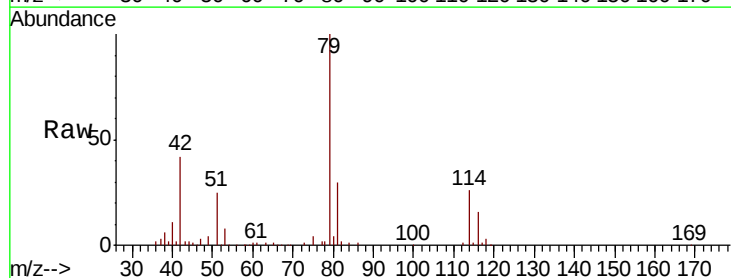
Acq: 03 Dec 2020 18:19

Tgt Ion: 75 Resp: 1953

Ion Ratio Lower Upper

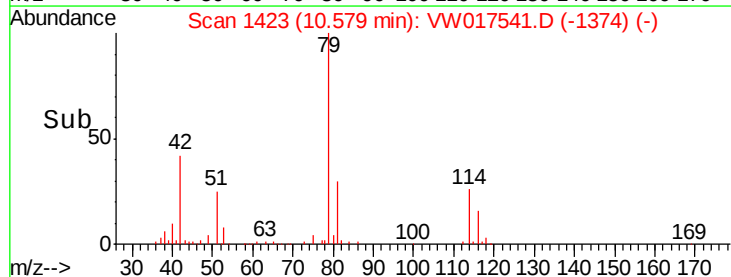
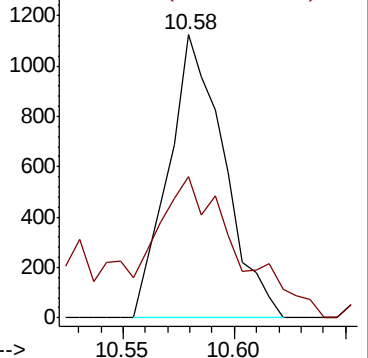
75 100

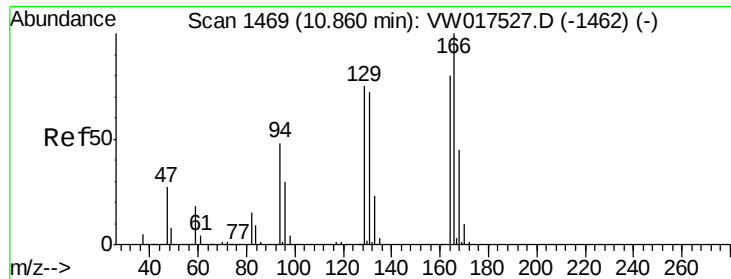
77 50.1 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 3660.681 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampled :

BG4F9

Tot Ion:164 Resp:12560376

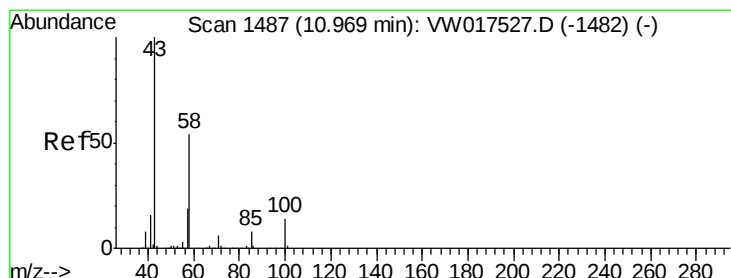
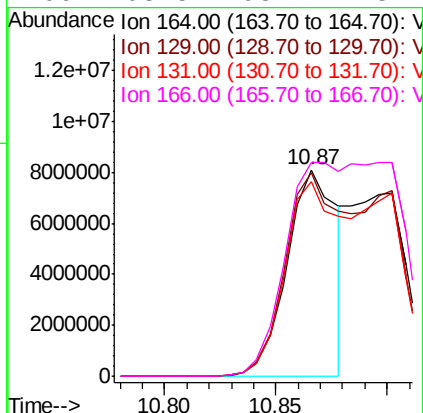
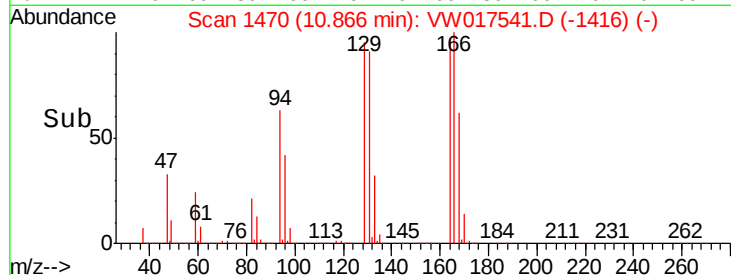
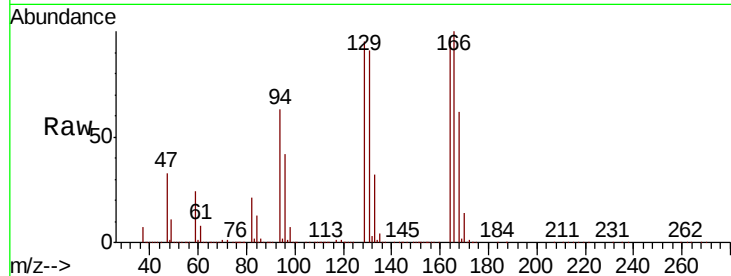
Ion Ratio Lower Upper

164 100

129 98.8 67.6 125.6

131 94.5 65.2 121.2

166 103.5 93.2 173.2



#49

2-Hexanone

Concen: 0.518 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Tgt Ion: 43 Resp: 608

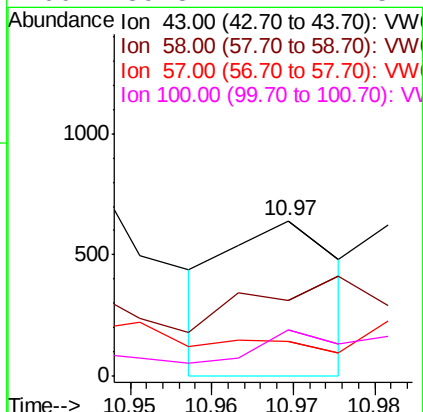
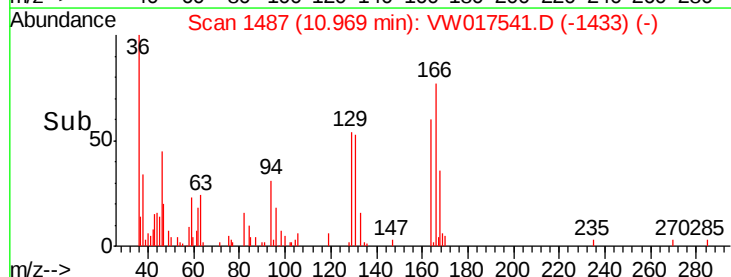
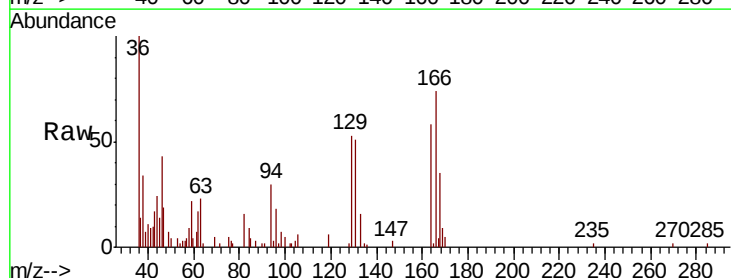
Ion Ratio Lower Upper

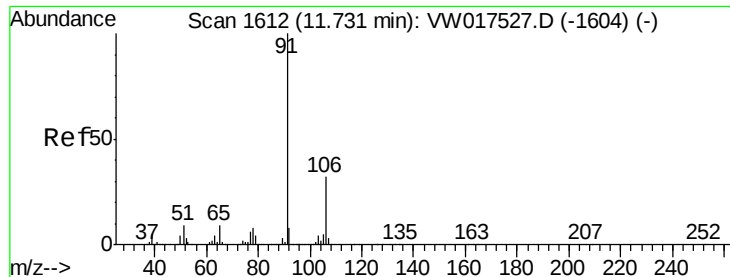
43 100

58 71.5 51.3 76.9

57 23.4 15.0 22.6#

100 39.8 12.2 18.2#





#53

Ethylbenzene

Concen: 3.652 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017541.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

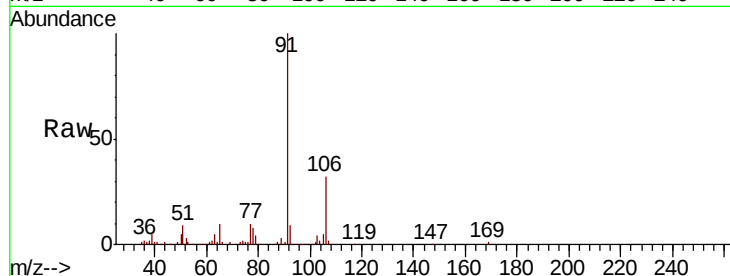
BG4F9

Tot Ion: 91 Resp: 64883

Ion Ratio Lower Upper

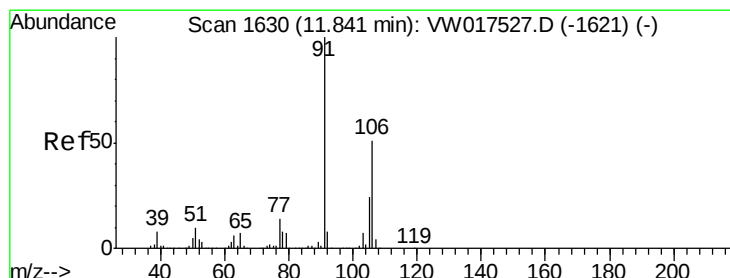
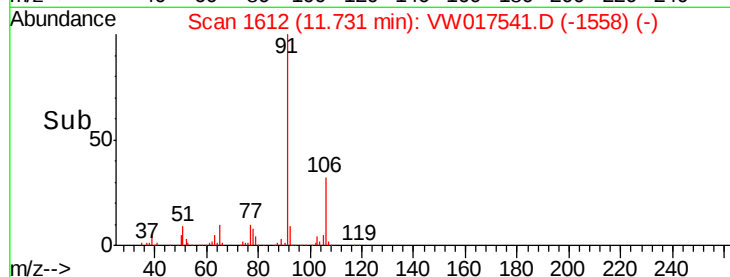
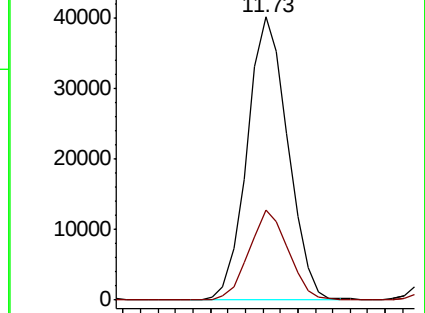
91 100

106 31.9 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 2.295 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017541.D

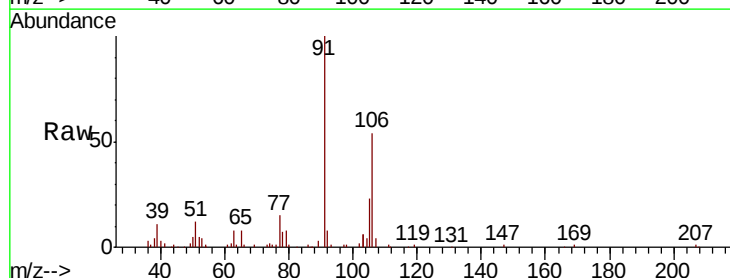
Acq: 03 Dec 2020 18:19

Tgt Ion: 106 Resp: 15543

Ion Ratio Lower Upper

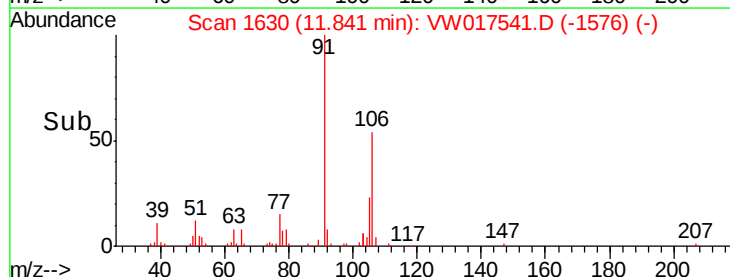
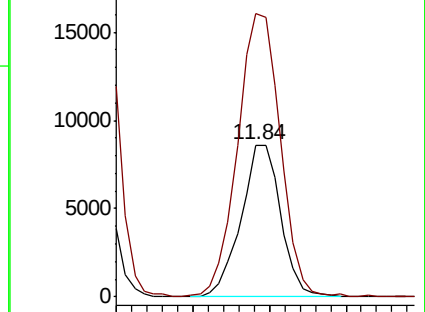
106 100

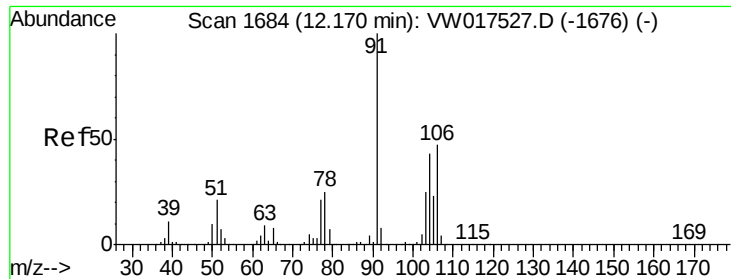
91 186.7 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

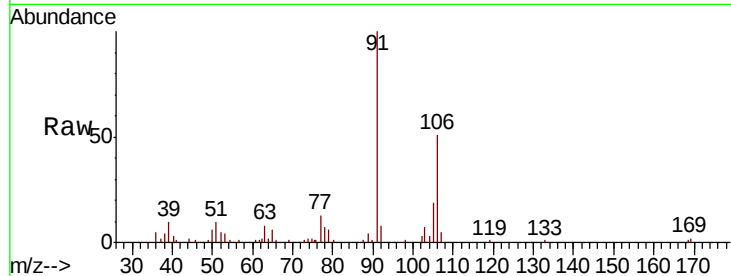




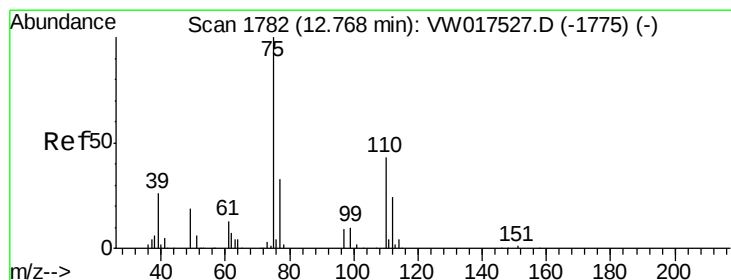
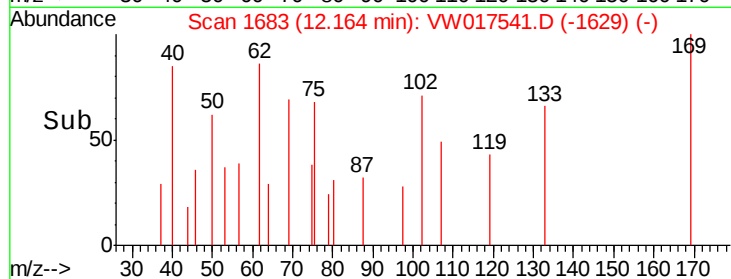
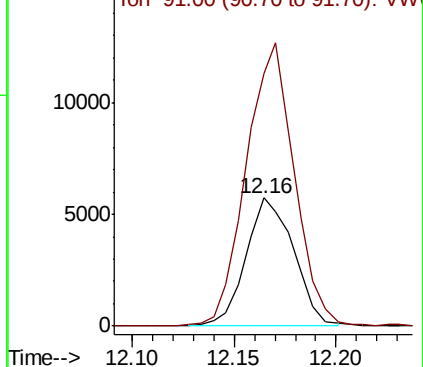
#55
o-xylene
Concen: 1.477 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

Instrument :
MSVOA_W
ClientSampled :
BG4F9

Tot Ion:106 Resp: 9315
Ion Ratio Lower Upper
106 100
91 196.8 147.6 274.2

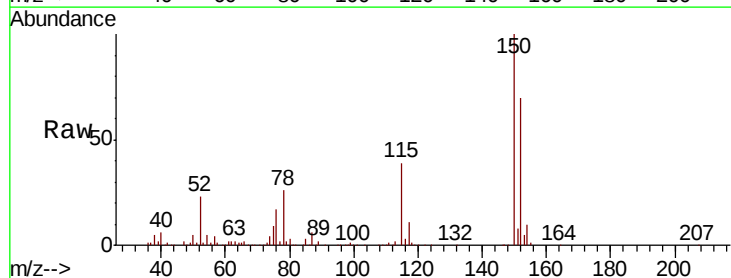


Abundance Ion 106.00 (105.70 to 106.70): VW
Ion 91.00 (90.70 to 91.70): VW



#59
1,2,3-Trichloropropane
Concen: 4.824 ug/L
RT: 13.55 min Scan# 1911
Delta R.T. 0.79 min
Lab File: VW017541.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 75 Resp: 10002
Ion Ratio Lower Upper
75 100
77 38.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

