

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101520\
 Data File : VW016901.D
 Acq On : 14 Oct 2020 13:36
 Operator : SY/VA
 Sample : L4382-11
 Misc : 5.53G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X9

Quant Time: Oct 15 08:36:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 08:29:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.86	114	190092	25.00	ug/L	0.02
28) Chlorobenzene-d5	11.66	117	87604	25.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	13.57	152	27633	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	64394	34.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	137.36%
7) Chloroethane-d5	2.89	69	54568	34.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	138.76%
10) 1,1-Dichloroethene-d2	4.04	63	96543	24.24	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.96%
20) 2-Butanone-d5	7.09	46	27553	64.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.74%
24) Chloroform-d	7.66	84	117988	29.41	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	117.64%
26) 1,2-Dichloroethane-d4	8.32	65	69838	36.05	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	144.20%#
29) Benzene-d6	8.29	84	209544	52.67	ug/L	0.02
Spiked Amount	25.000	Range	20 - 135	Recovery	=	210.68%#
33) 1,2-Dichloropropane-d6	9.29	67	58725	54.92	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	219.68%#
37) Toluene-d8	10.35	98	126590	33.72	ug/L	0.02
Spiked Amount	25.000	Range	30 - 130	Recovery	=	134.88%#
38) trans-1,3-Dichloropropene-	10.59	79	24913	52.83	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	211.32%#
39) 2-Hexanone-d5	11.15	63	78	0.47	ug/L	0.22
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.94%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	37559	43.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	173.92%#
61) 1,2-Dichlorobenzene-d4	13.86	152	21694	24.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	2273	0.874	ug/L #	1
12) 1,1-Dichloroethene	4.06	96	44249	18.004	ug/L	89
13) Acetone	4.13	43	5382	16.744	ug/L	93
14) Carbon disulfide	4.40	76	13548	1.922	ug/L #	93
16) Methylene chloride	4.94	84	9687	3.693	ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	778	0.303	ug/L	83
22) cis-1,2-Dichloroethene	7.18	96	3069	1.171	ug/L	95
30) Cyclohexane	7.98	56	3827	2.107	ug/L #	50
34) Benzene	8.35	78	111835	23.772	ug/L	100
35) Trichloroethene	9.11	95	2649067	1990.715	ug/L	99
36) Methylcyclohexane	9.35	83	3273	1.463	ug/L #	34
40) 1,2-Dichloropropane	9.38	63	657	0.618	ug/L #	85
42) cis-1,3-Dichloropropene	10.05	75	1970	1.162	ug/L #	17
44) Toluene	10.40	91	62517	11.979	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	542	0.380	ug/L #	47
46) 1,1,2-Trichloroethane	10.78	97	435	0.503	ug/L #	26
47) Tetrachloroethene	10.87	164	23901387	19373.602	ug/L	96

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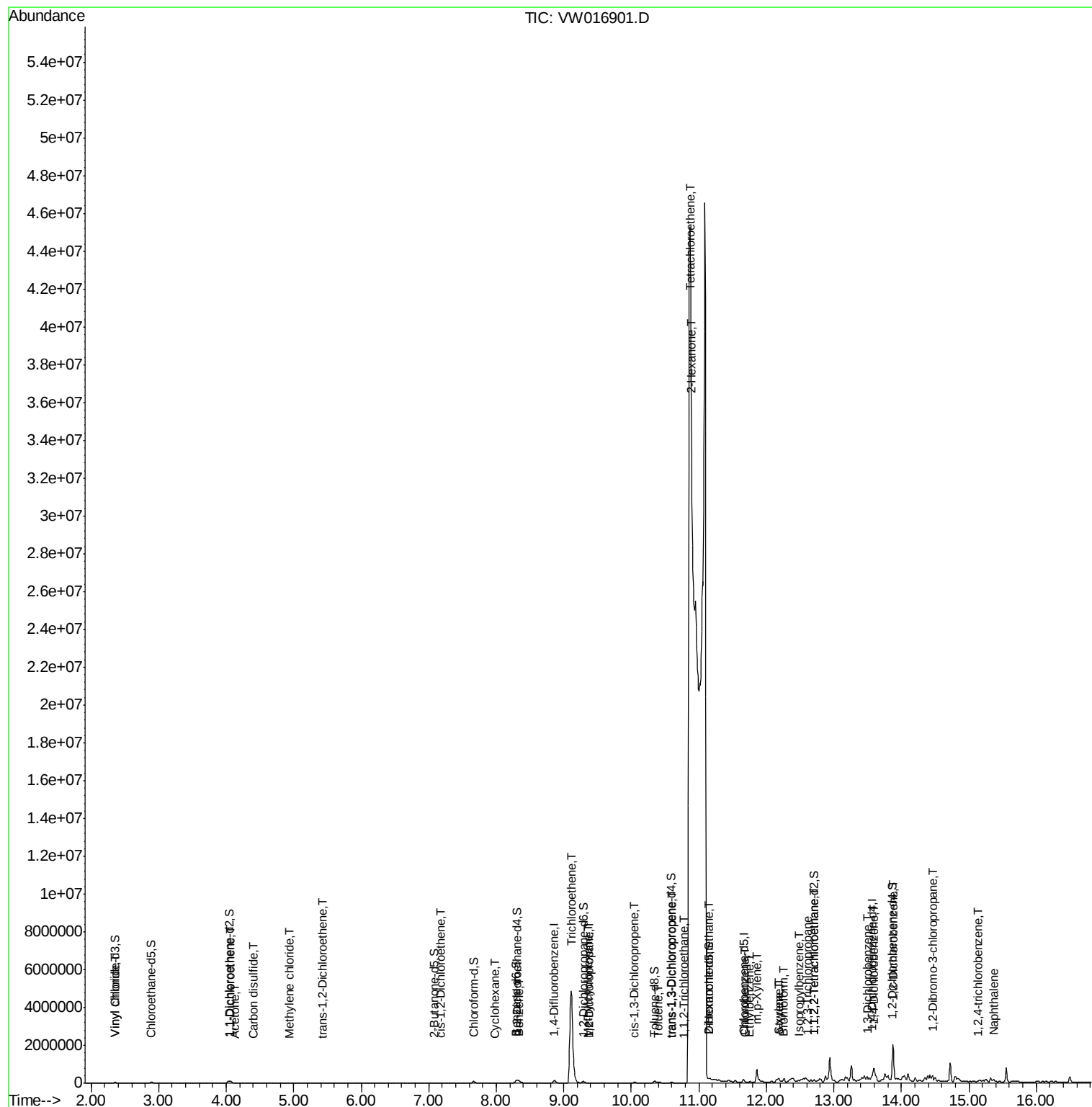
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) 2-Hexanone	10.90	43	4663	13.191	uq/L #	38
50) Dibromochloromethane	11.15	129	8169	7.599	uq/L #	11
52) Chlorobenzene	11.69	112	6167	1.761	uq/L	98
53) Ethylbenzene	11.76	91	38292	6.541	uq/L	98
54) m,p-Xylene	11.86	106	68867	30.245	uq/L	96
55) o-xylene	12.18	106	48371	22.234	uq/L	100
56) Styrene	12.19	104	5530	1.540	uq/L #	1
57) Isopropylbenzene	12.48	105	28861	4.845	uq/L	97
58) 1,1,2,2-Tetrachloroethane	12.70	83	2257	2.362	uq/L #	22
59) 1,2,3-Trichloropropane	12.62	75	411	0.594	uq/L	90
62) Bromoform	12.24	173	463	1.191	uq/L #	1
63) 1,3-Dichlorobenzene	13.51	146	3524	2.004	uq/L #	12
64) 1,4-Dichlorobenzene	13.58	146	82378	46.838	uq/L #	84
65) 1,2-Dichlorobenzene	13.88	146	129121	82.002	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.46	75	2666	27.913	uq/L #	1
68) 1,2,4-trichlorobenzene	15.13	180	645	0.601	uq/L #	1
69) Naphthalene	15.37	128	122485	68.890	uq/L	98

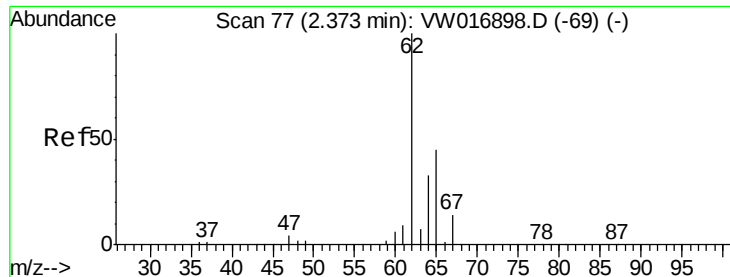
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.874 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampled :

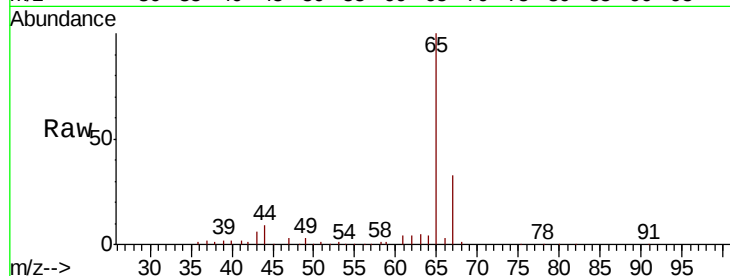
BG3X9

Tot Ion: 62 Resp: 2273

Ion Ratio Lower Upper

62 100

64 93.5 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

1500

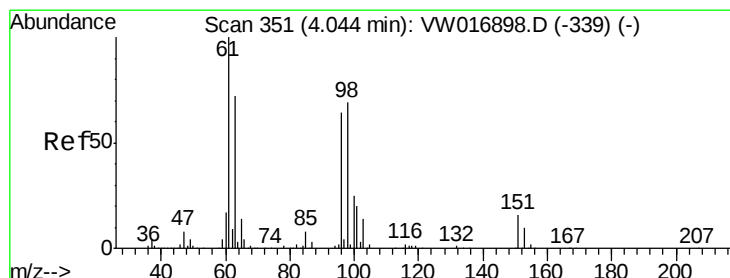
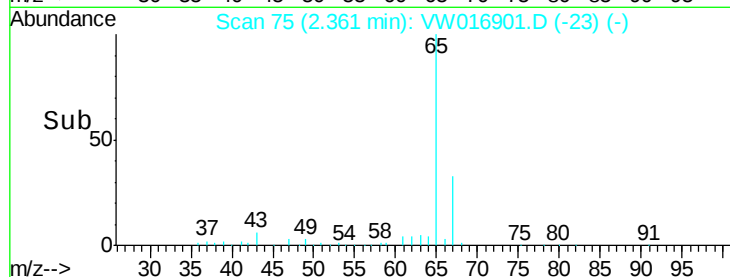
1000

500

0

2.30 2.35 2.40

Time-->



#12

1,1-Dichloroethene

Concen: 18.004 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

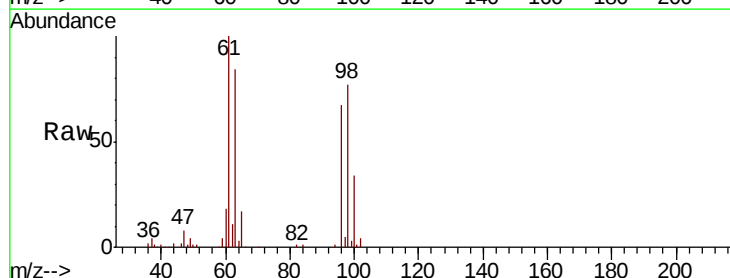
Tgt Ion: 96 Resp: 44249

Ion Ratio Lower Upper

96 100

61 149.7 105.1 195.1

63 126.1 69.9 129.7



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

30000

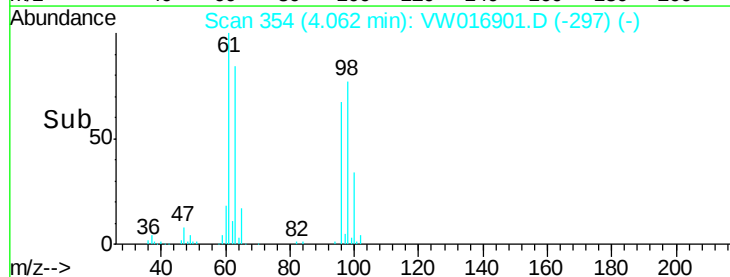
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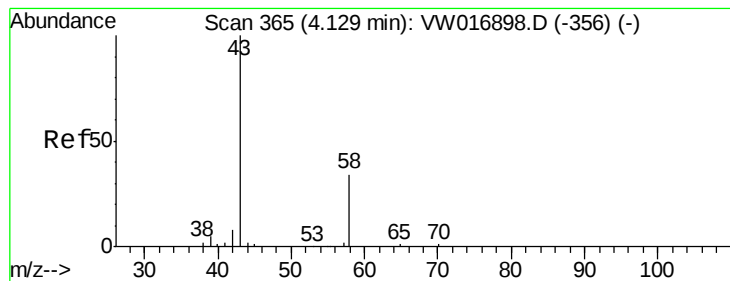
10000

0

4.00 4.10 4.20

Time-->





#13

Acetone

Concen: 16.744 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

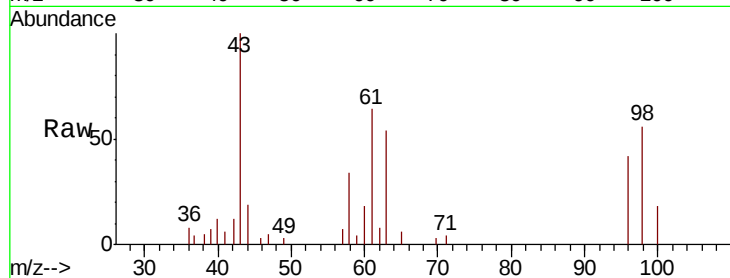
BG3X9

Tot Ion: 43 Resp: 5382

Ion Ratio Lower Upper

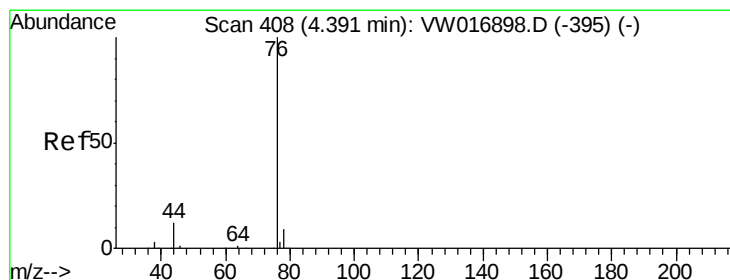
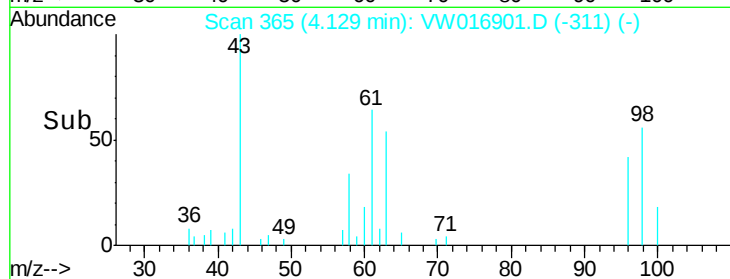
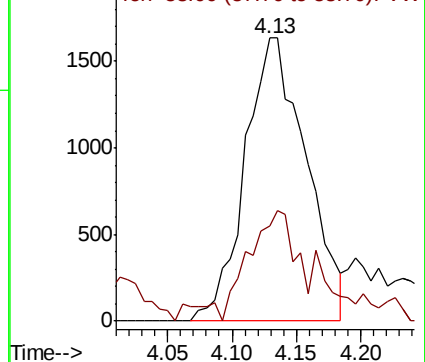
43 100

58 30.0 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.922 ug/L

RT: 4.40 min Scan# 410

Delta R.T. 0.01 min

Lab File: VW016901.D

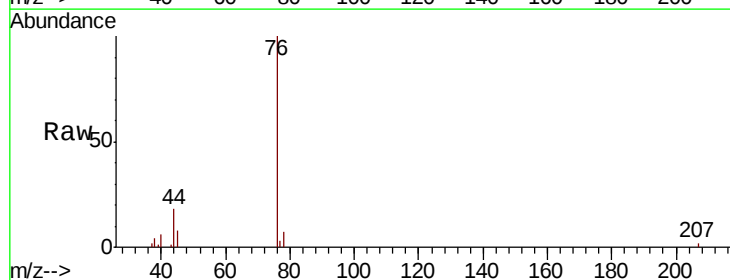
Acq: 14 Oct 2020 13:36

Tgt Ion: 76 Resp: 13548

Ion Ratio Lower Upper

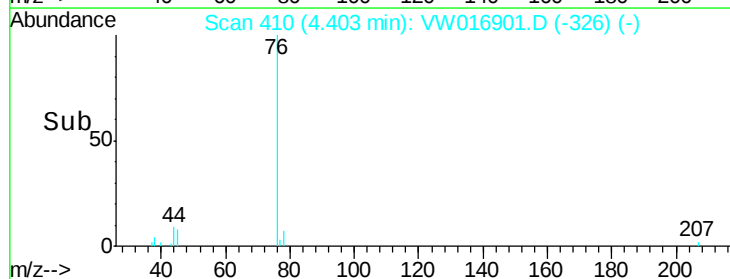
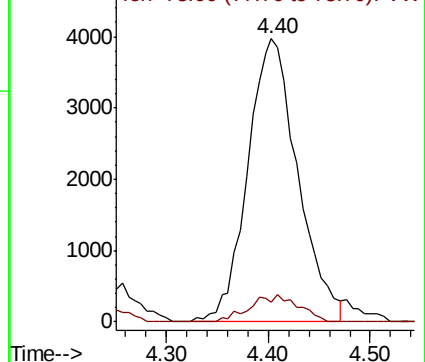
76 100

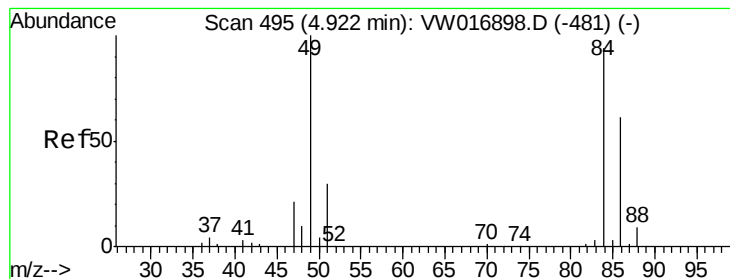
78 6.8 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 3.693 ug/L

RT: 4.94 min Scan# 498

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

BG3X9

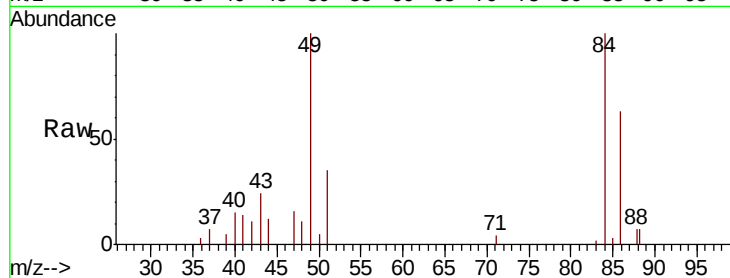
Tot Ion: 84 Resp: 9687

Ion Ratio Lower Upper

84 100

49 100.3 73.1 135.8

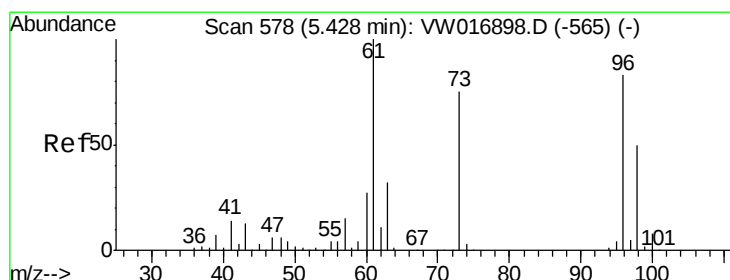
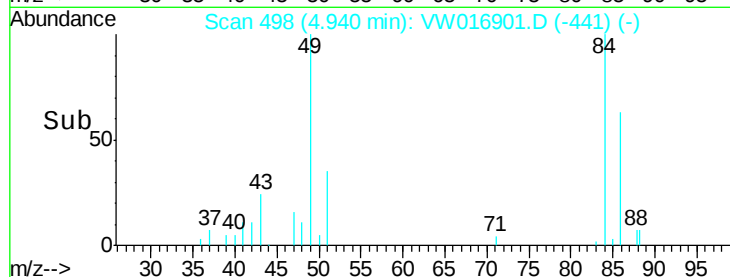
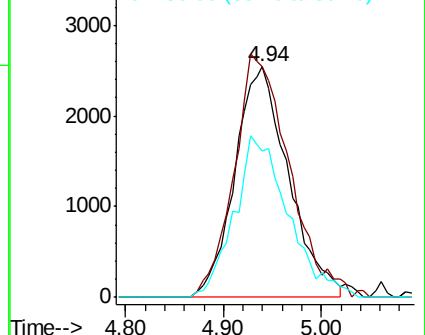
86 63.4 46.0 85.4



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



#18

trans-1,2-Dichloroethene

Concen: 0.303 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

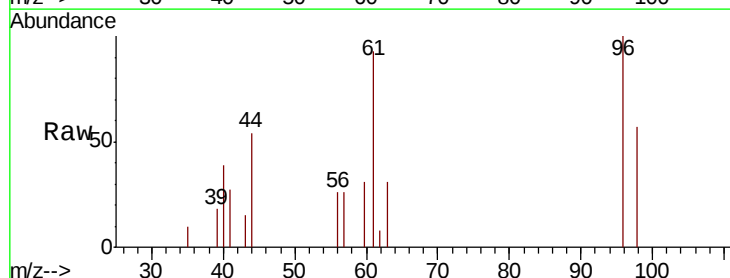
Tgt Ion: 96 Resp: 778

Ion Ratio Lower Upper

96 100

61 93.1 82.5 153.3

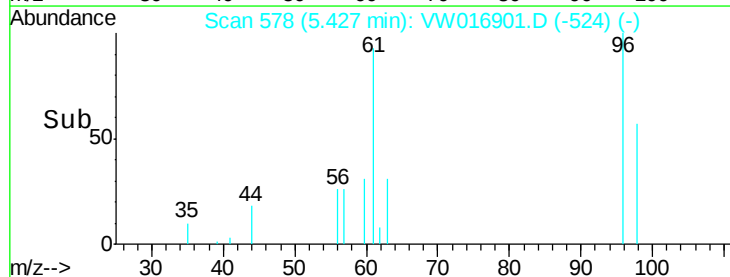
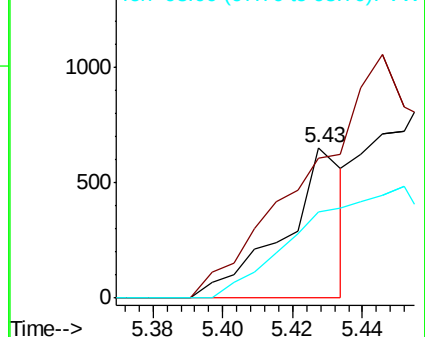
98 56.9 43.3 80.5

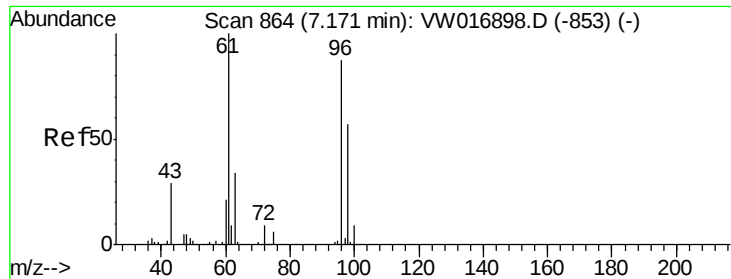


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



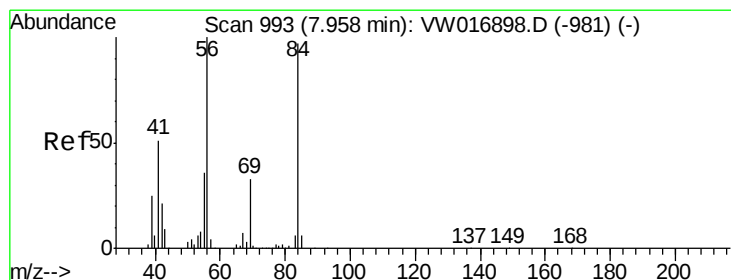
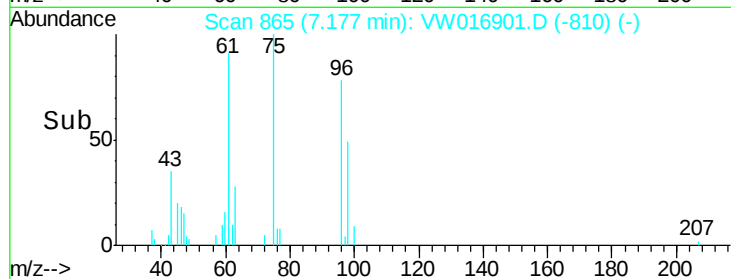
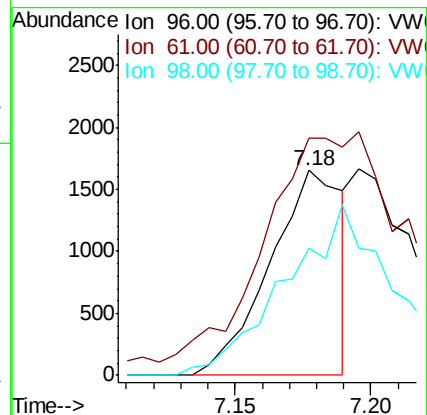
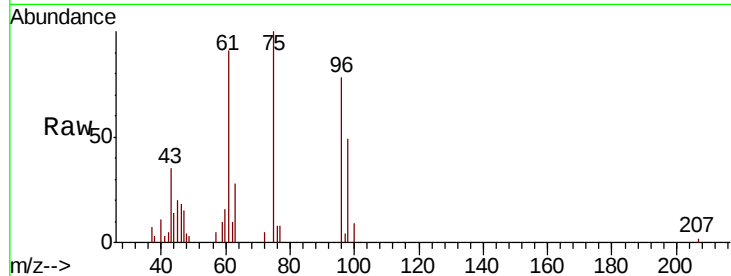


#22

cis-1,2-Dichloroethene
Concen: 1.171 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Instrument :
MSVOA_W
ClientSampled :
BG3X9

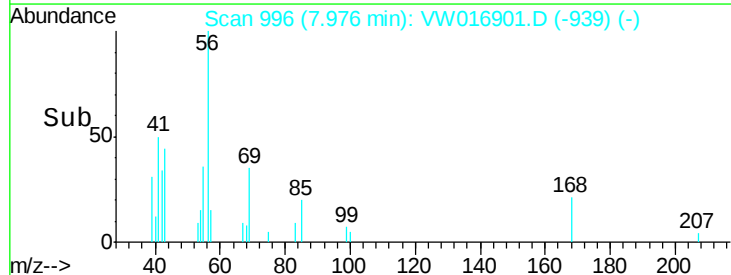
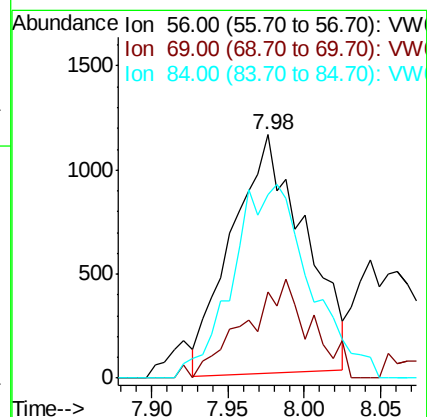
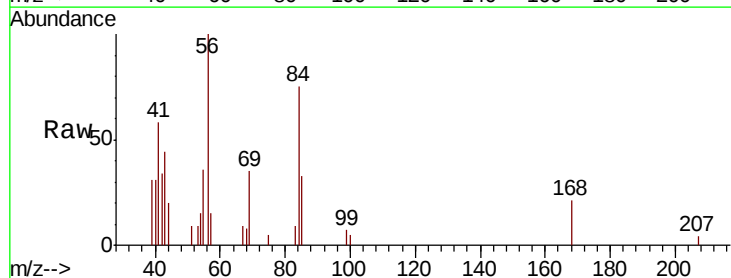
Tot Ion: 96 Resp: 3069
Ion Ratio Lower Upper
96 100
61 115.6 76.0 141.2
98 61.9 42.7 79.3

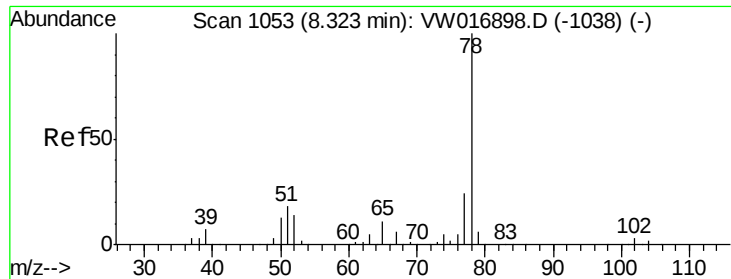


#30

Cyclohexane
Concen: 2.107 ug/L
RT: 7.98 min Scan# 996
Delta R.T. 0.02 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Tgt Ion: 56 Resp: 3827
Ion Ratio Lower Upper
56 100
69 17.0 26.1 39.1#
84 42.3 79.3 118.9#





#34

Benzene

Concen: 23.772 ug/L

RT: 8.35 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

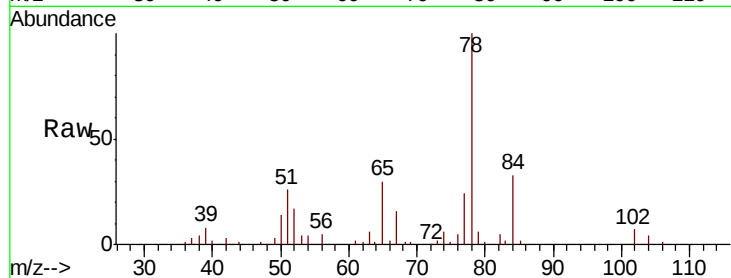
Instrument :

MSVOA_W

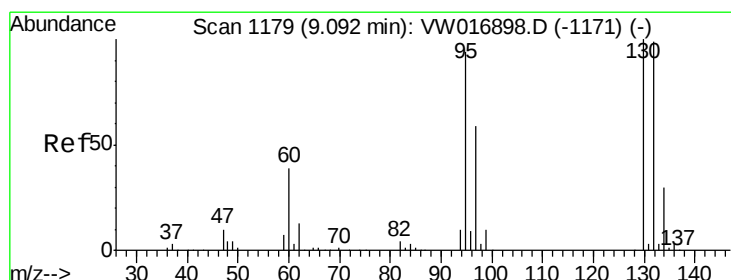
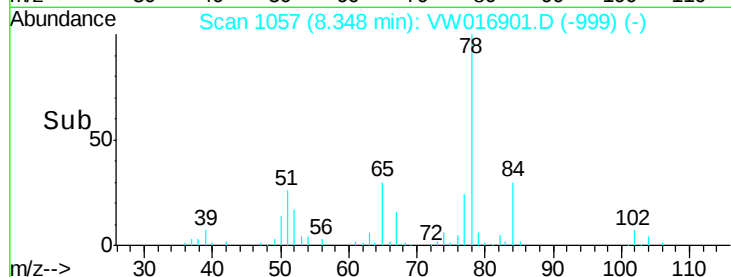
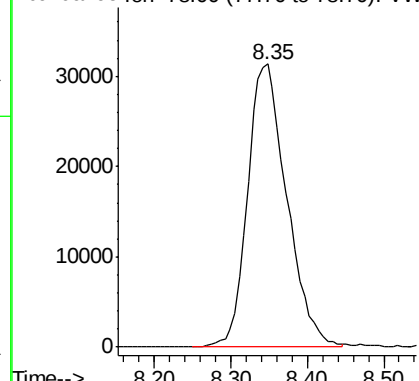
ClientSampleId :

BG3X9

Tgt Ion: 78 Resp: 111835



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1990.715 ug/L

RT: 9.11 min Scan# 1182

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Tgt Ion: 95 Resp: 2649067

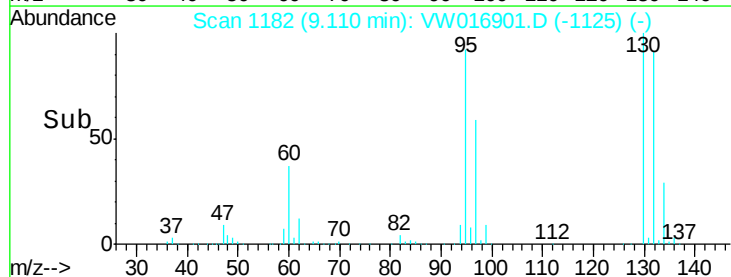
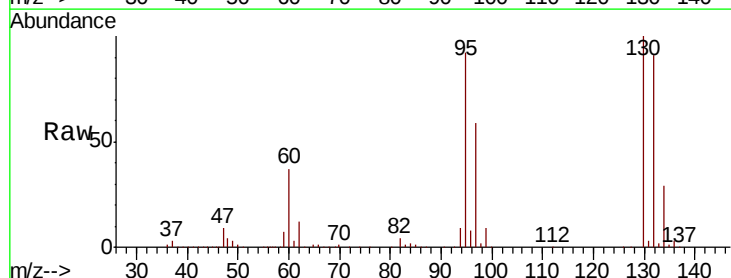
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	83.1
132	104.4	73.8	137.2
130	108.0	77.1	143.3

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): VW

Ion 130.00 (129.70 to 130.70): VW

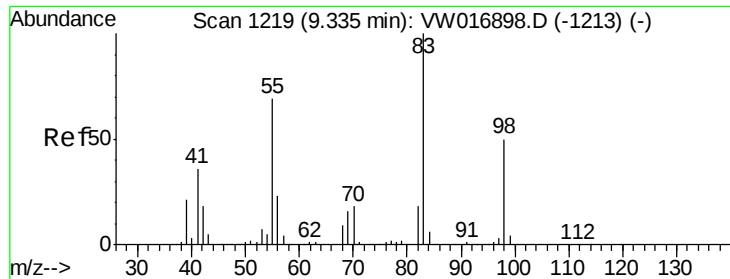


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

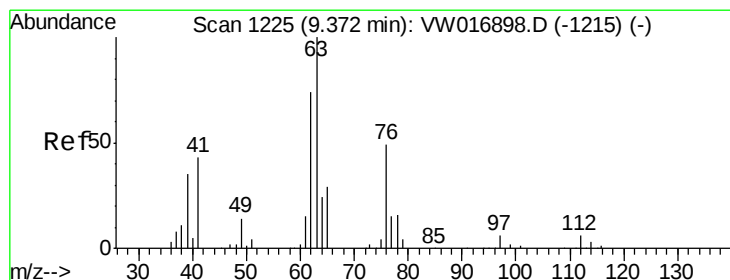
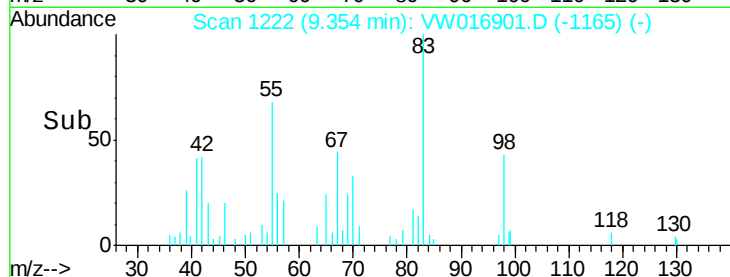
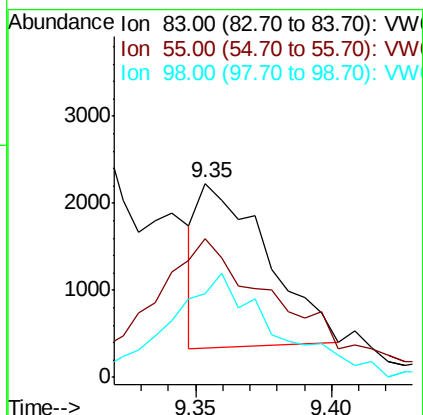
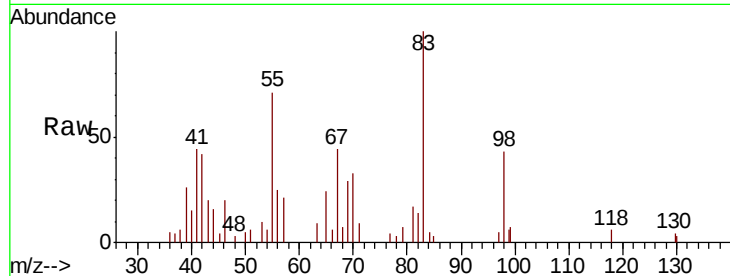
Ion 130.00 (129.70 to 130.70): VW



#36
Methylcyclohexane
Concen: 1.463 ug/L
RT: 9.35 min Scan# 1222
Delta R.T. 0.02 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

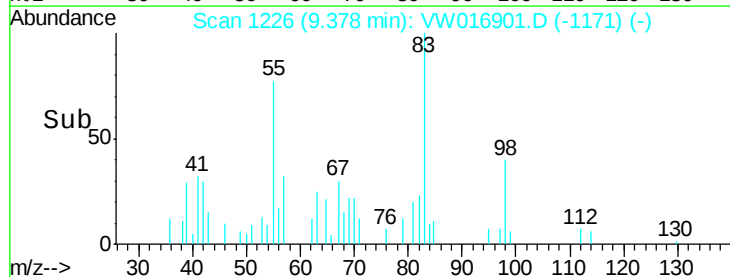
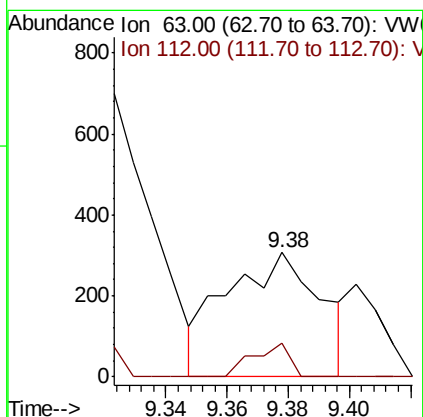
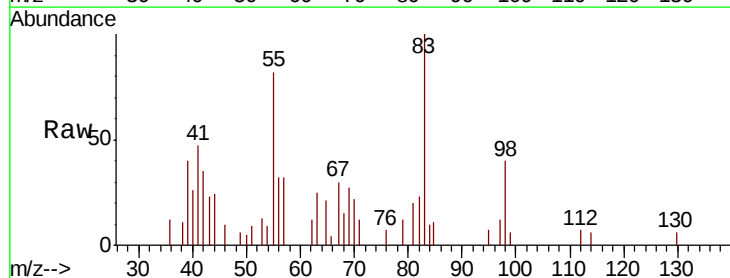
Instrument :
MSVOA_W
ClientSampled :
BG3X9

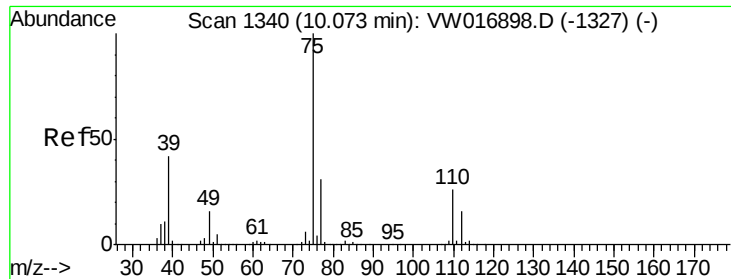
Tot Ion: 83 Resp: 3273
Ion Ratio Lower Upper
83 100
55 120.3 54.2 81.4#
98 98.5 41.4 62.2#



#40
1,2-Dichloropropane
Concen: 0.618 ug/L
RT: 9.38 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Tgt Ion: 63 Resp: 657
Ion Ratio Lower Upper
63 100
112 10.5 4.5 6.7#





#42

cis-1,3-Dichloropropene

Concen: 1.162 ug/L

RT: 10.05 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampled :

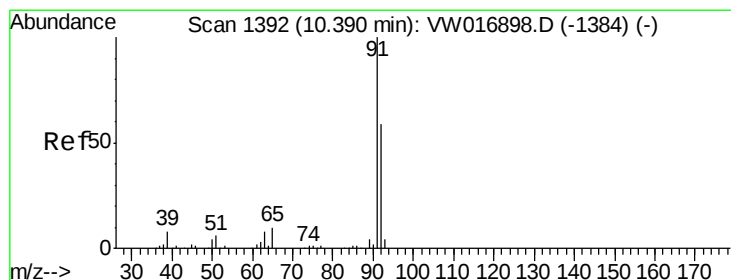
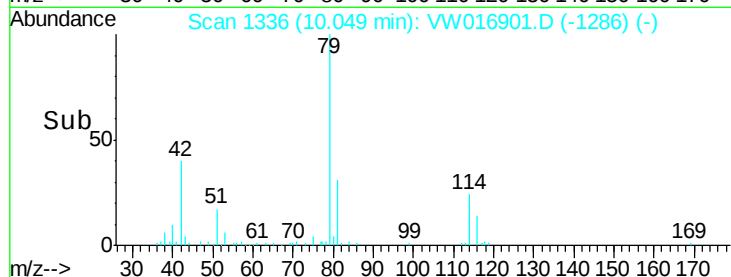
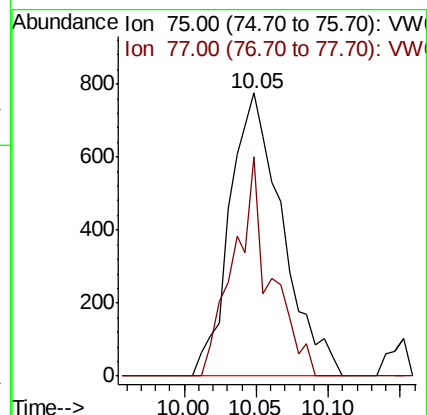
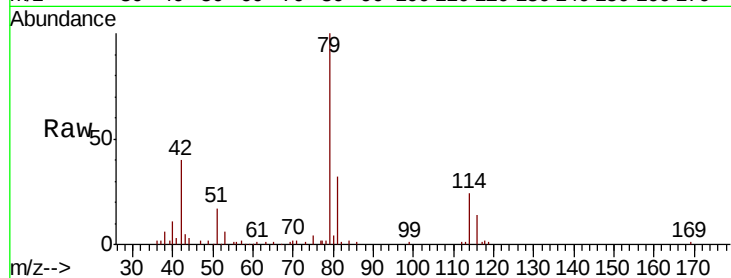
BG3X9

Tot Ion: 75 Resp: 1970

Ion Ratio Lower Upper

75 100

77 77.4 22.1 41.1#



#44

Toluene

Concen: 11.979 ug/L

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW016901.D

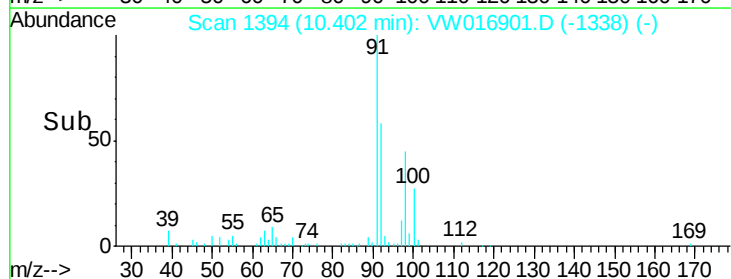
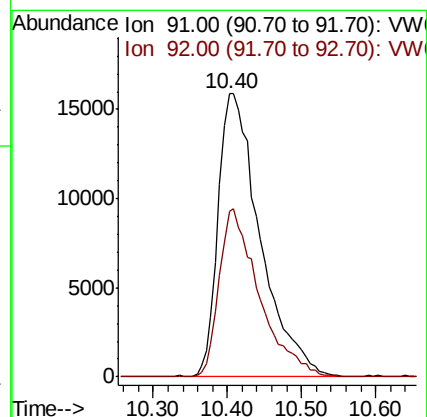
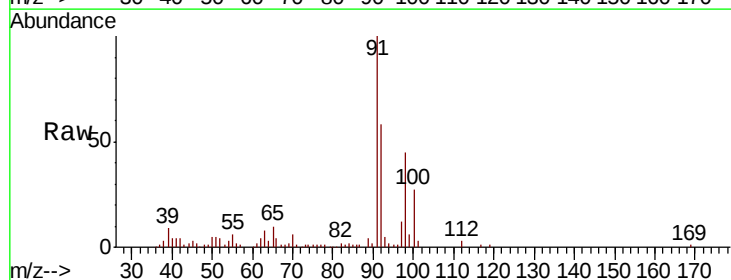
Acq: 14 Oct 2020 13:36

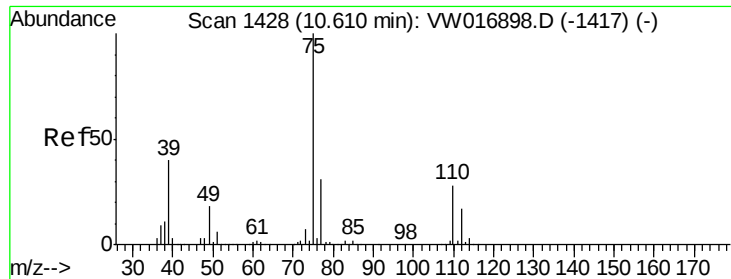
Tgt Ion: 91 Resp: 62517

Ion Ratio Lower Upper

91 100

92 58.4 39.4 73.2





#45

trans-1,3-Dichloropropene

Concen: 0.380 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampled :

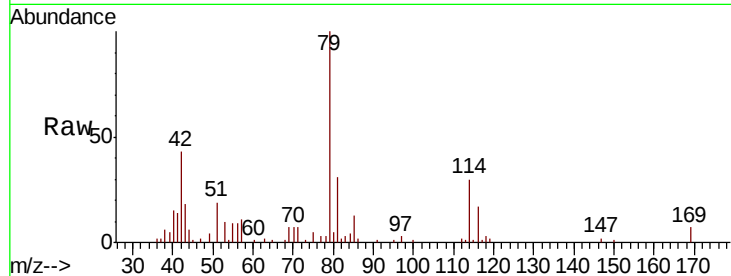
BG3X9

Tot Ion: 75 Resp: 542

Ion Ratio Lower Upper

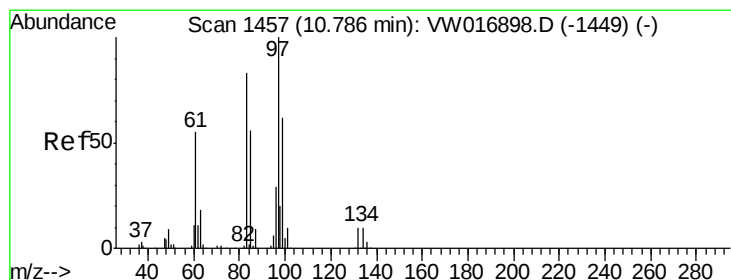
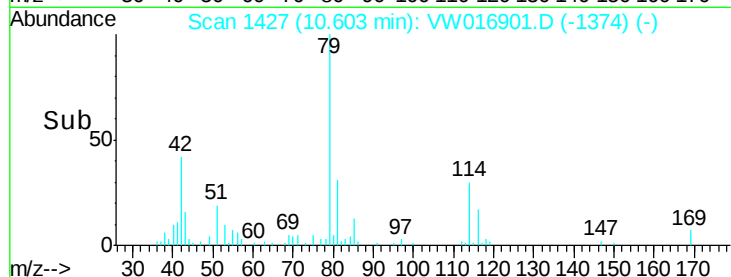
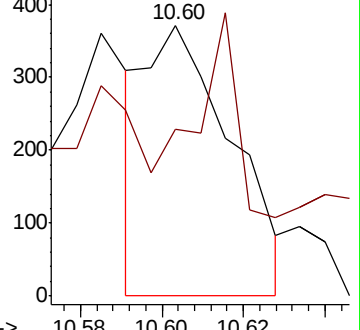
75 100

77 61.3 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 0.503 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Tgt Ion: 97 Resp: 435

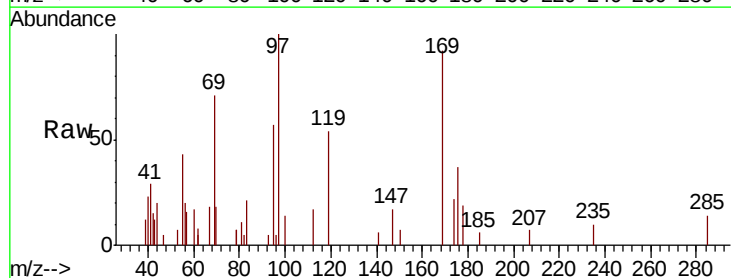
Ion Ratio Lower Upper

97 100

83 21.0 56.8 105.4#

85 0.0 37.0 68.6#

99 0.0 44.2 82.2#

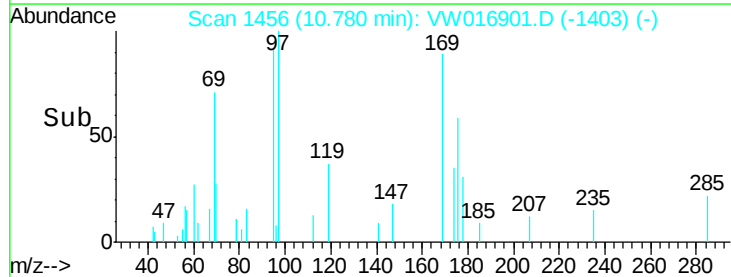
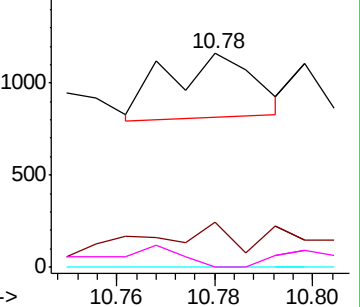


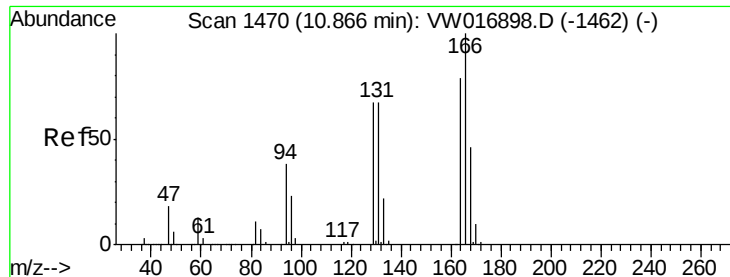
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

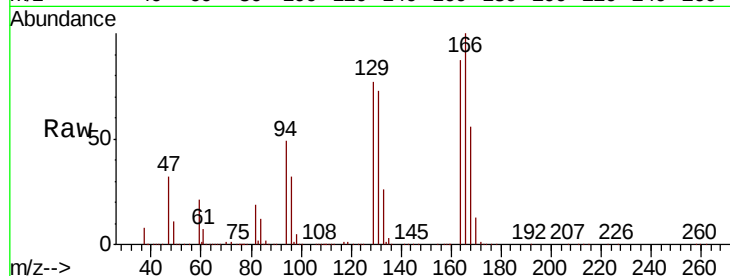




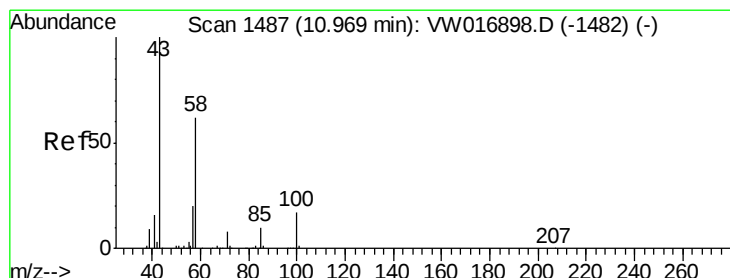
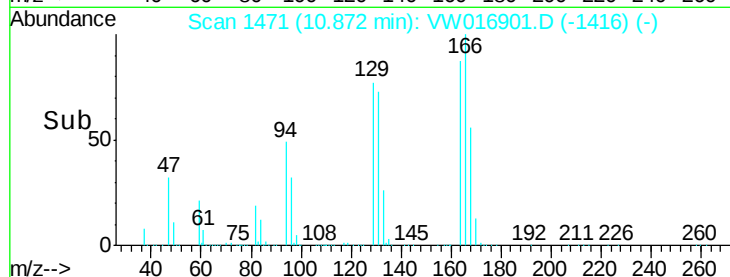
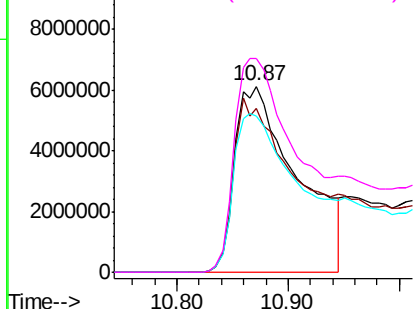
#47
Tetrachloroethene
Concen: 19373.602 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Instrument :
MSVOA_W
ClientSampled :
BG3X9

Tot Ion:164 Resp:23901387
Ion Ratio Lower Upper
164 100
129 88.5 61.7 114.7
131 84.3 59.7 110.9
166 115.1 88.3 164.1

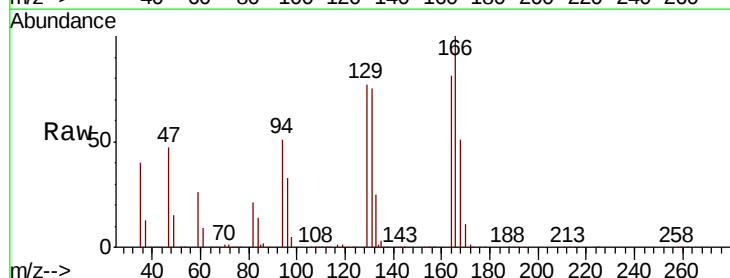


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

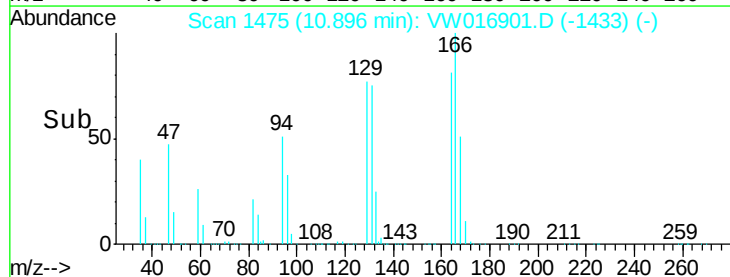
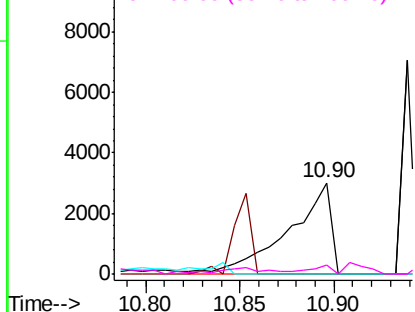


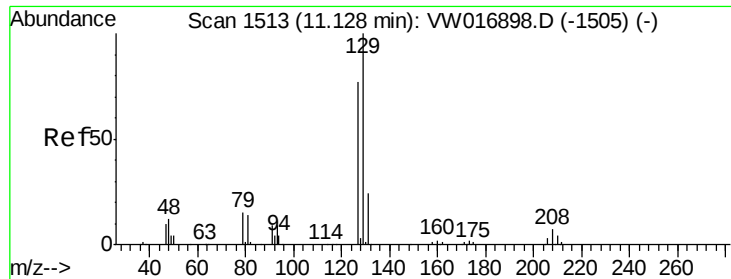
#49
2-Hexanone
Concen: 13.191 ug/L
RT: 10.90 min Scan# 1475
Delta R.T. -0.07 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Tgt Ion: 43 Resp: 4663
Ion Ratio Lower Upper
43 100
58 0.0 47.1 70.7#
57 0.0 16.2 24.4#
100 4.7 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VV
Ion 58.00 (57.70 to 58.70): VV
Ion 57.00 (56.70 to 57.70): VV
Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 7.599 ug/L

RT: 11.15 min Scan# 1517

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampled :

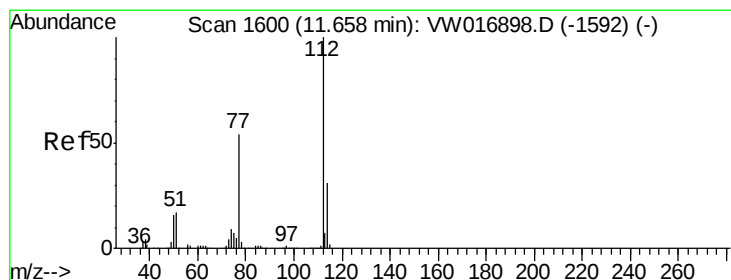
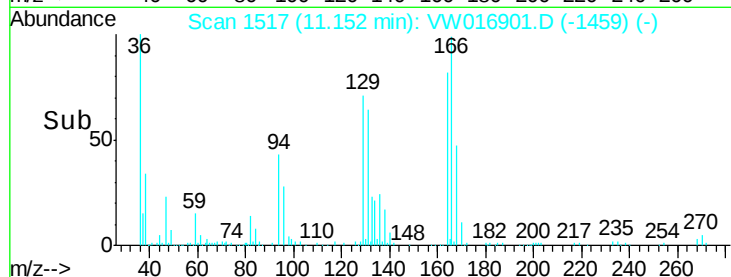
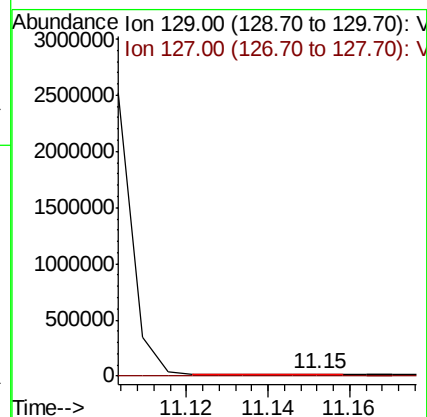
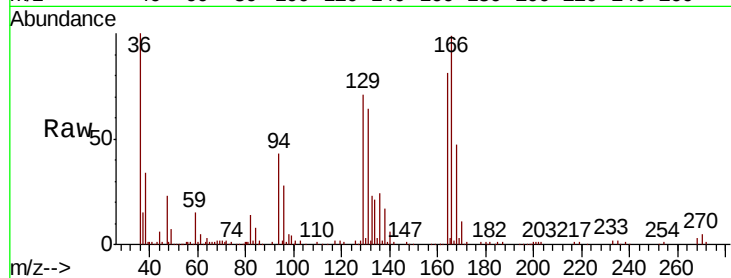
BG3X9

Tot Ion:129 Resp: 8169

Ion Ratio Lower Upper

129 100

127 0.6 54.0 100.4#



#52

Chlorobenzene

Concen: 1.761 ug/L

RT: 11.69 min Scan# 1605

Delta R.T. 0.03 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

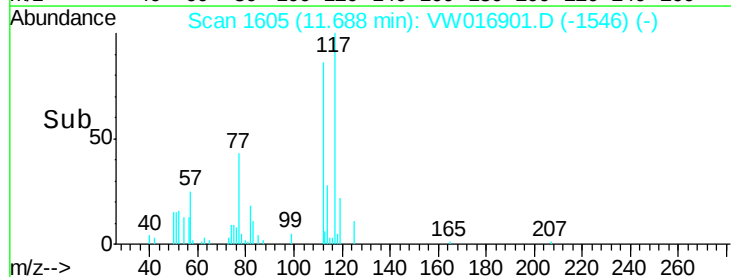
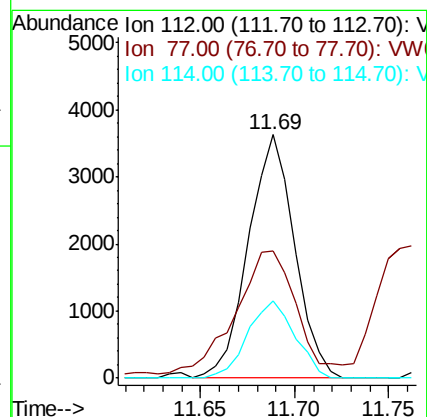
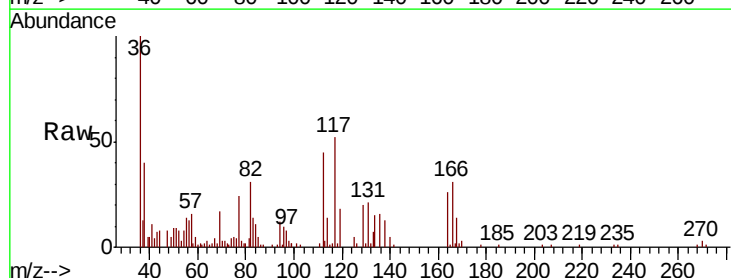
Tgt Ion:112 Resp: 6167

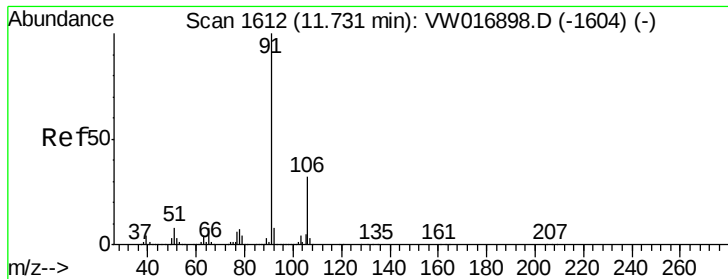
Ion Ratio Lower Upper

112 100

77 52.5 44.0 66.0

114 31.6 22.3 41.3





#53

Ethylbenzene

Concen: 6.541 ug/L

RT: 11.76 min Scan# 1616

Delta R.T. 0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

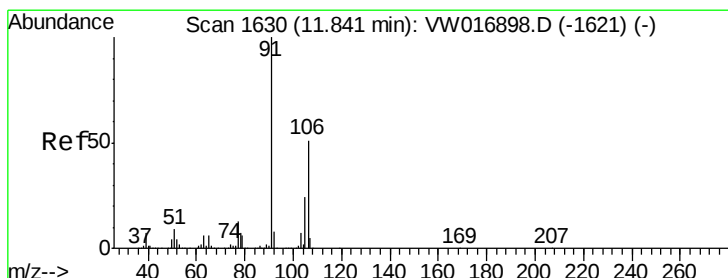
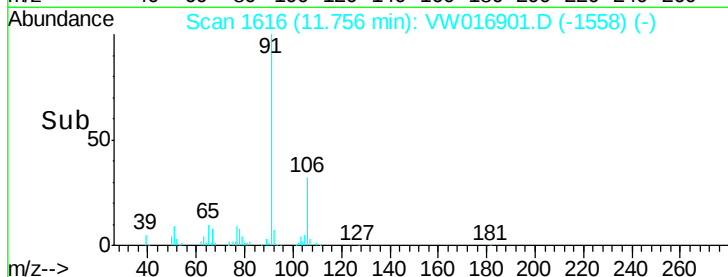
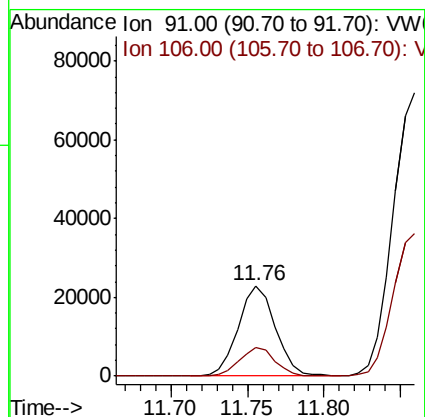
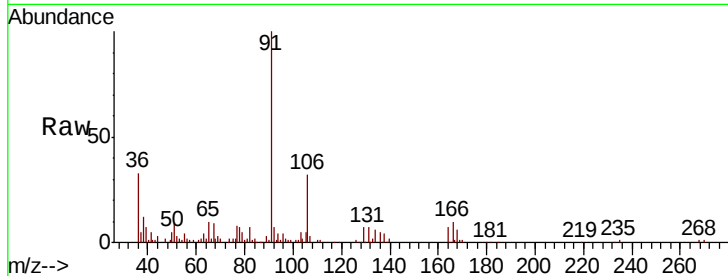
BG3X9

Tot Ion: 91 Resp: 38292

Ion Ratio Lower Upper

91 100

106 31.6 22.8 42.4



#54

m,p-Xylene

Concen: 30.245 ug/L

RT: 11.86 min Scan# 1633

Delta R.T. 0.02 min

Lab File: VW016901.D

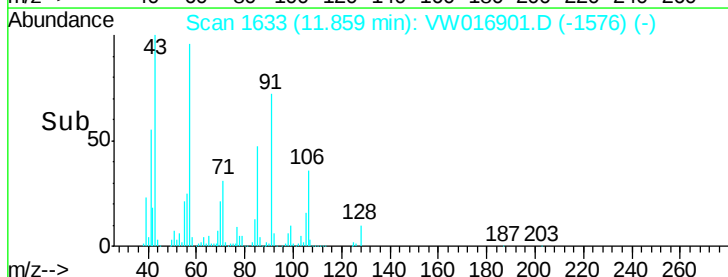
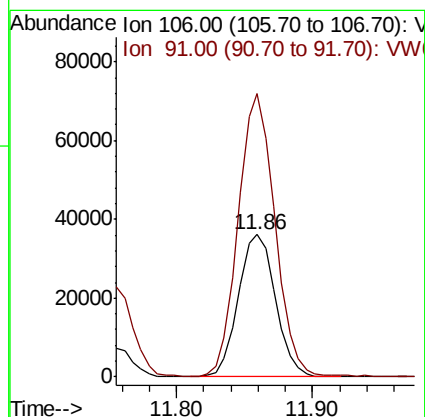
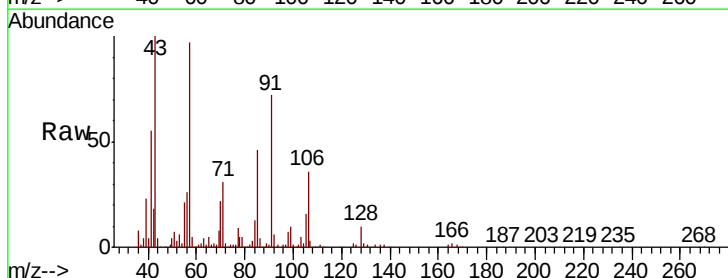
Acq: 14 Oct 2020 13:36

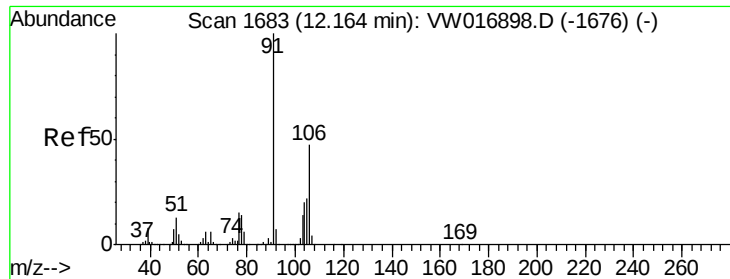
Tgt Ion: 106 Resp: 68867

Ion Ratio Lower Upper

106 100

91 199.4 135.6 251.8

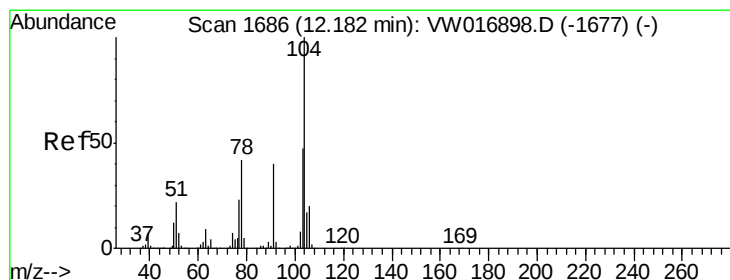
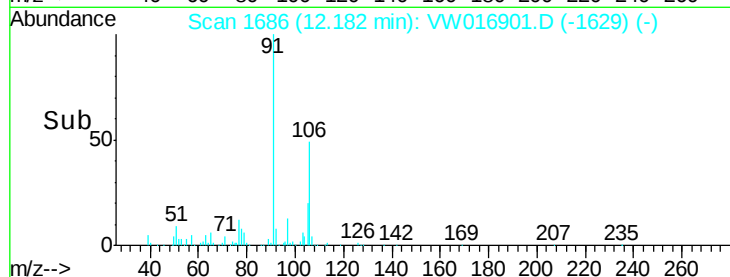
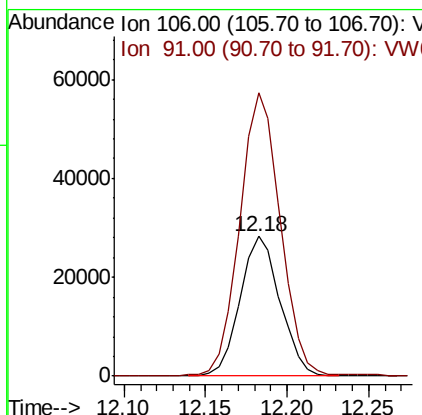
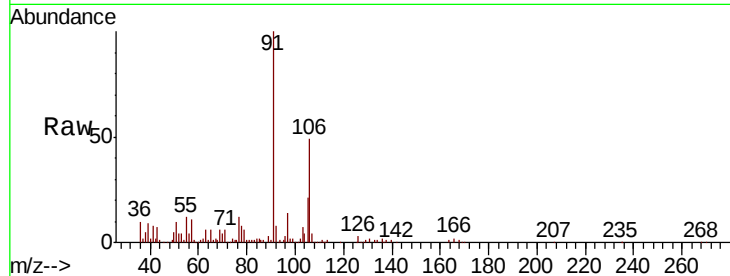




#55
o-xylene
Concen: 22.234 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

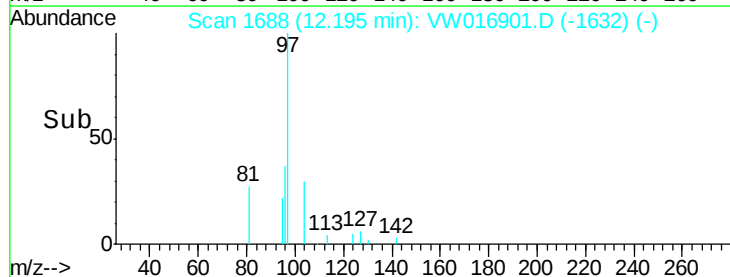
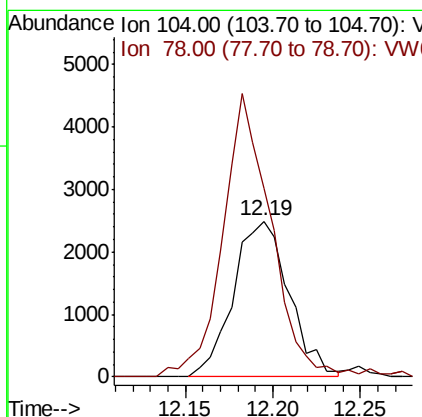
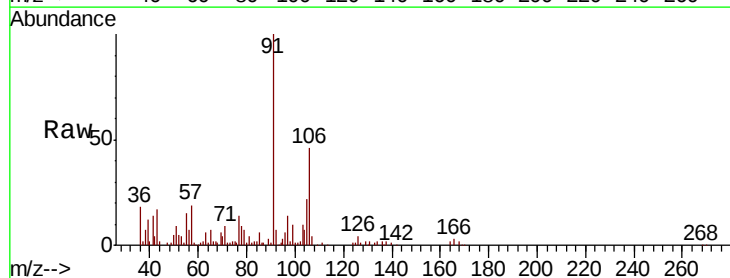
Instrument :
MSVOA_W
ClientSampled :
BG3X9

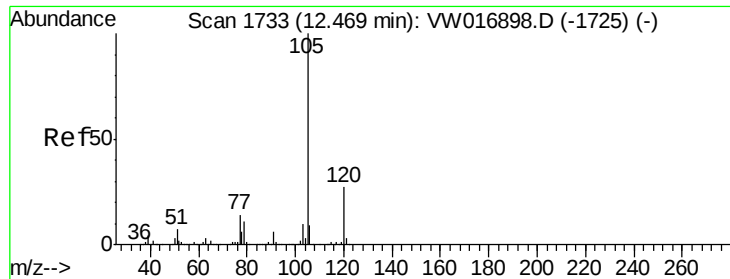
Tot Ion:106 Resp: 48371
Ion Ratio Lower Upper
106 100
91 203.0 142.6 264.8



#56
Styrene
Concen: 1.540 ug/L
RT: 12.19 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VW016901.D
Acq: 14 Oct 2020 13:36

Tgt Ion:104 Resp: 5530
Ion Ratio Lower Upper
104 100
78 121.2 30.7 57.1#





#57

Isopropylbenzene

Concen: 4.845 ug/L

RT: 12.48 min Scan# 1735

Delta R.T. 0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

BG3X9

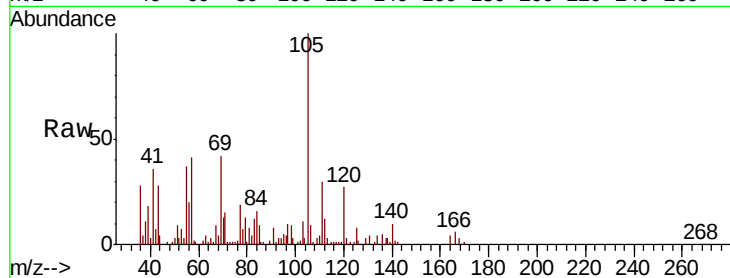
Tot Ion:105 Resp: 28861

Ion Ratio Lower Upper

105 100

120 25.9 21.5 32.3

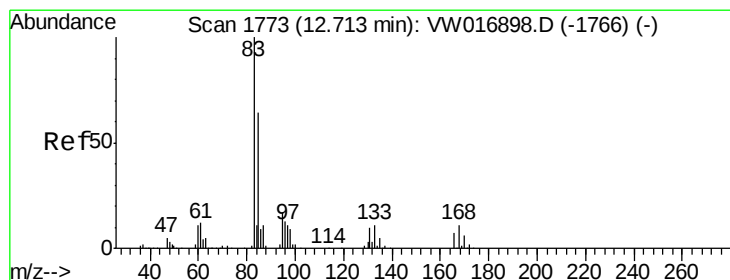
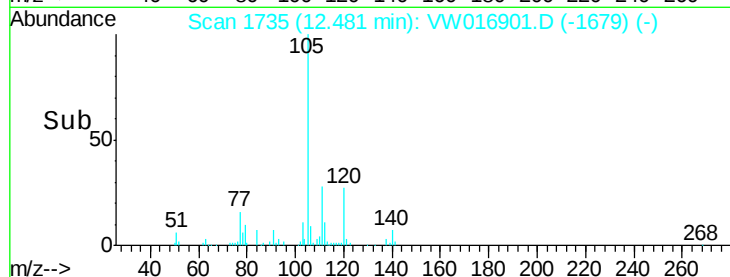
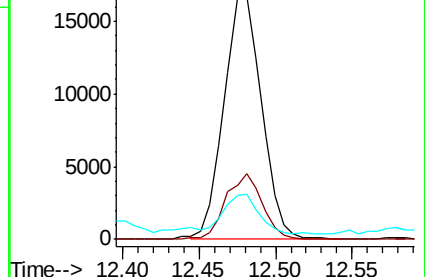
77 16.2 11.4 17.2



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: 2.362 ug/L

RT: 12.70 min Scan# 1771

Delta R.T. -0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

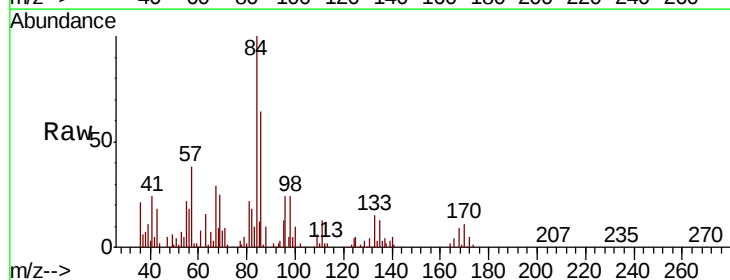
Tgt Ion: 83 Resp: 2257

Ion Ratio Lower Upper

83 100

85 122.2 43.3 80.5#

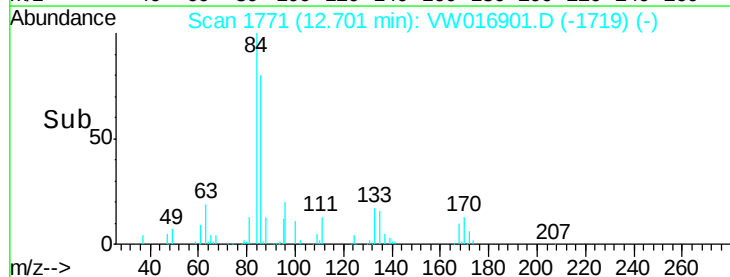
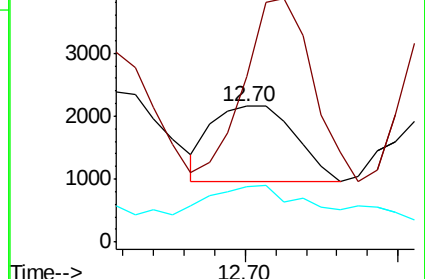
131 41.2 9.0 13.4#

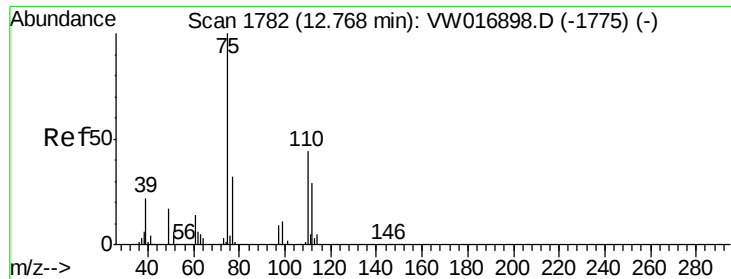


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 0.594 ug/L

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

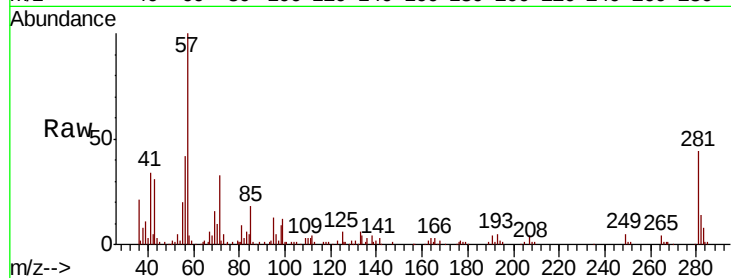
BG3X9

Tot Ion: 75 Resp: 411

Ion Ratio Lower Upper

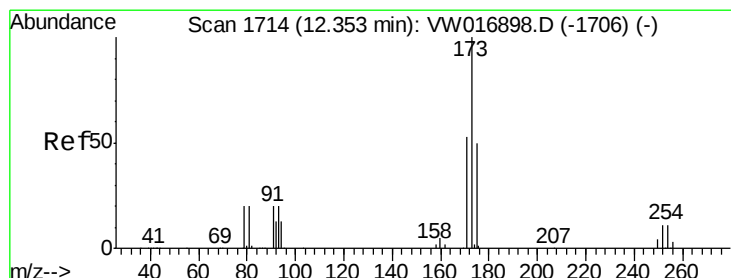
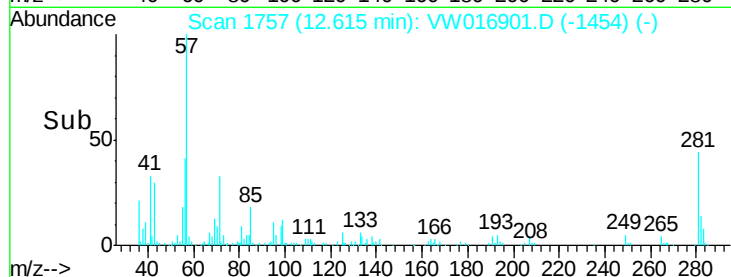
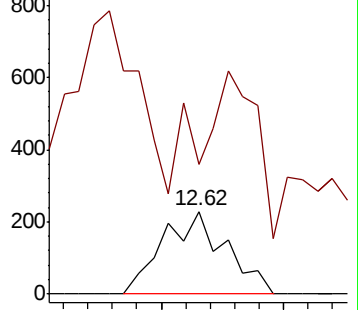
75 100

77 38.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 1.191 ug/L

RT: 12.24 min Scan# 1696

Delta R.T. -0.11 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

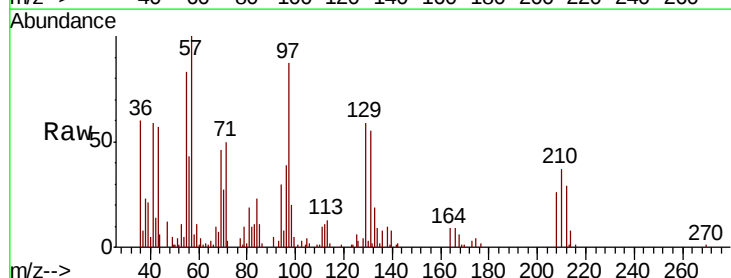
Tgt Ion: 173 Resp: 463

Ion Ratio Lower Upper

173 100

175 147.1 39.9 59.9#

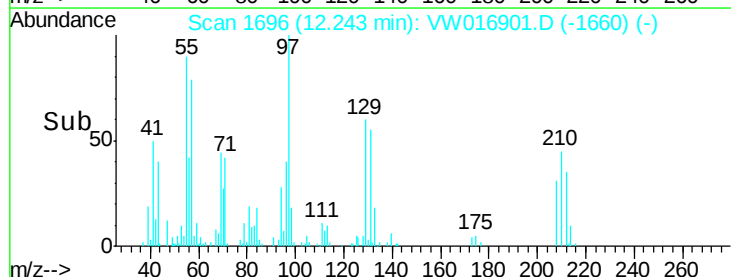
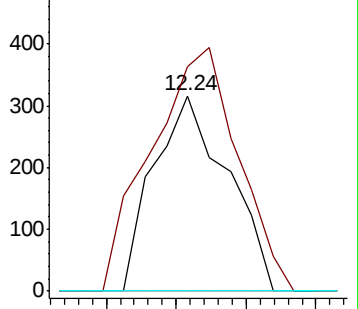
254 0.0 8.7 13.1#

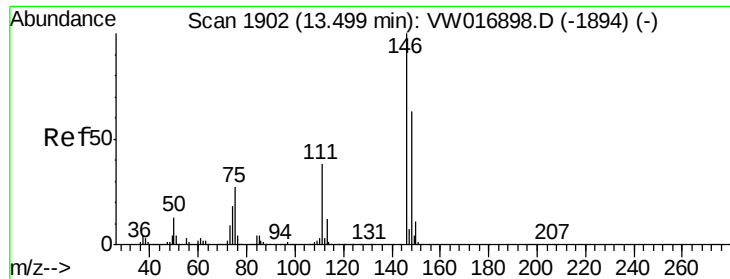


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

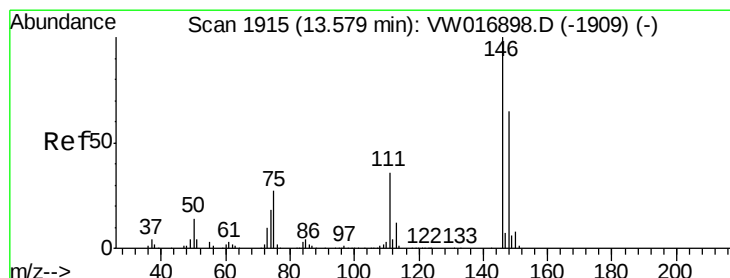
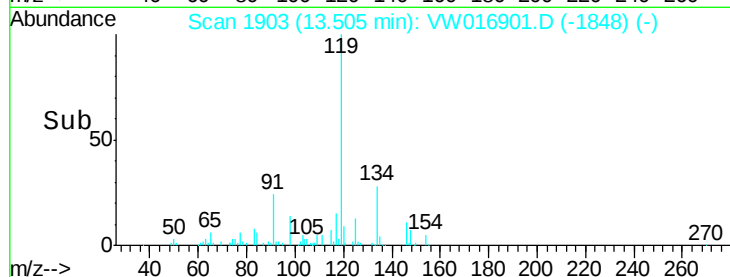
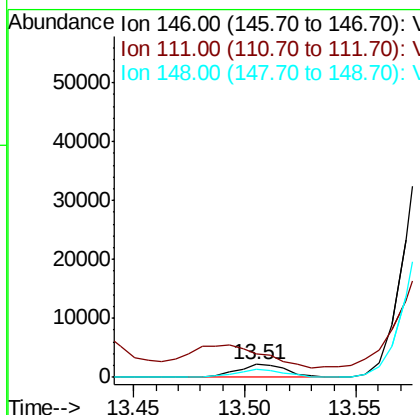
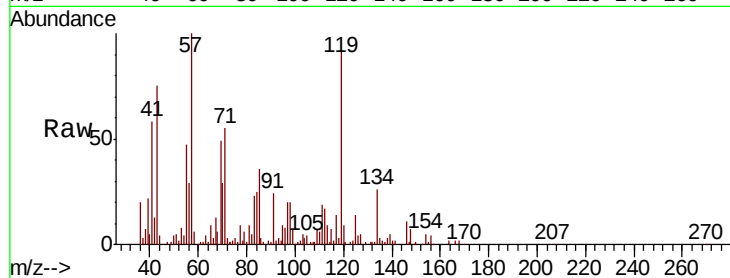




#63
 1,3-Dichlorobenzene
 Concen: 2.004 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016901.D
 Acq: 14 Oct 2020 13:36

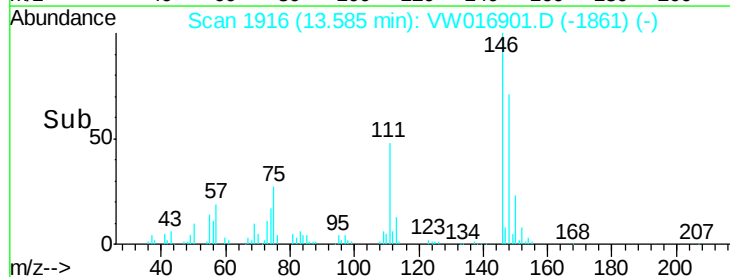
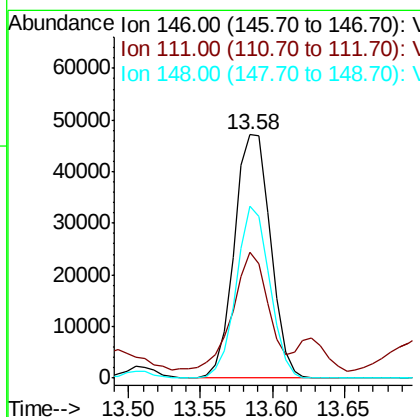
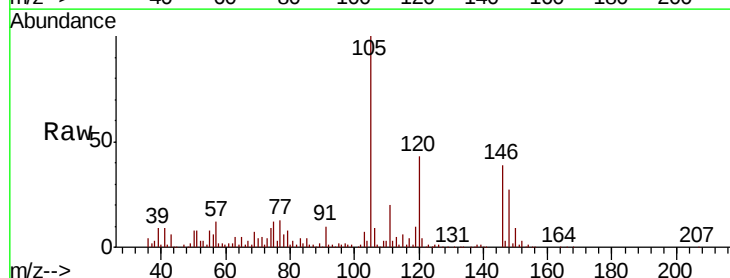
Instrument :
 MSVOA_W
 ClientSampled :
 BG3X9

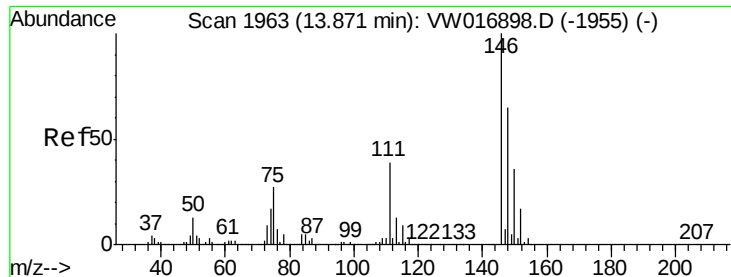
Tot Ion:146 Resp: 3524
 Ion Ratio Lower Upper
 146 100
 111 178.3 26.9 49.9#
 148 62.4 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 46.838 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW016901.D
 Acq: 14 Oct 2020 13:36

Tgt Ion:146 Resp: 82378
 Ion Ratio Lower Upper
 146 100
 111 51.8 26.0 48.4#
 148 70.6 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 82.002 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

BG3X9

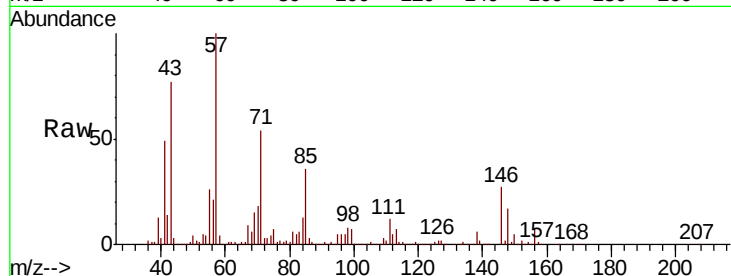
Tot Ion:146 Resp: 129121

Ion Ratio Lower Upper

146 100

111 45.0 32.1 48.1

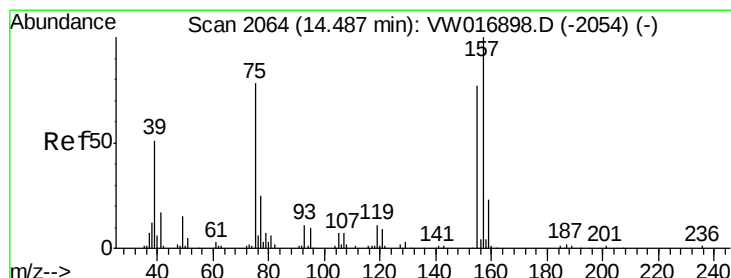
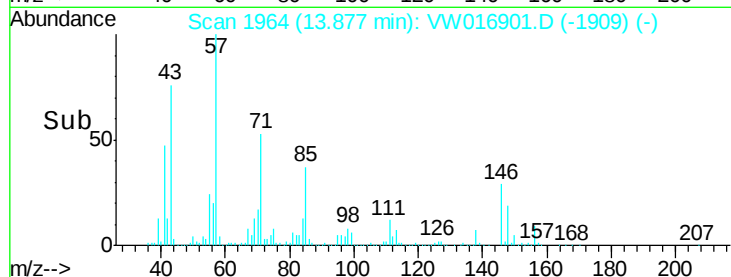
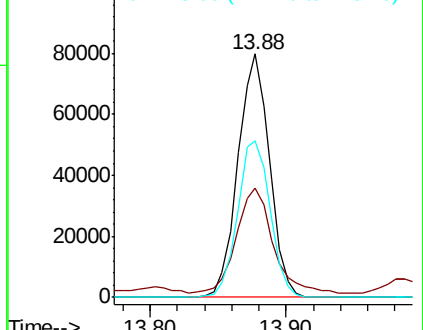
148 64.5 51.8 77.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 27.913 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW016901.D

Acq: 14 Oct 2020 13:36

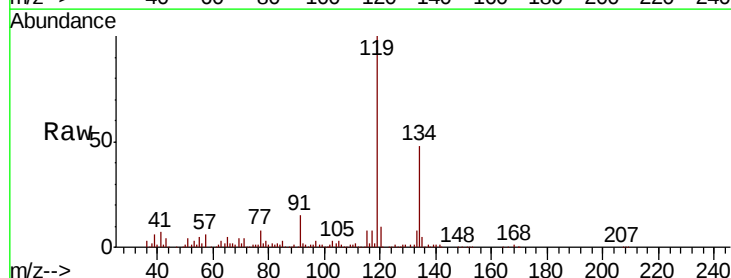
Tgt Ion: 75 Resp: 2666

Ion Ratio Lower Upper

75 100

157 0.0 100.5 150.7#

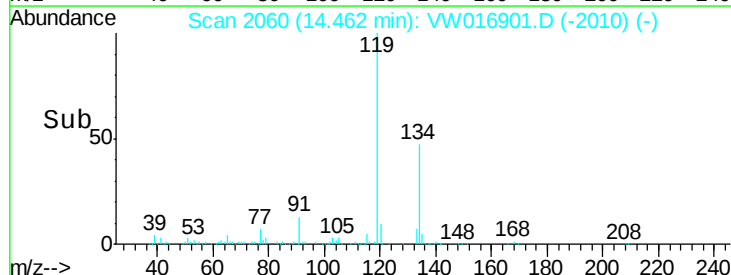
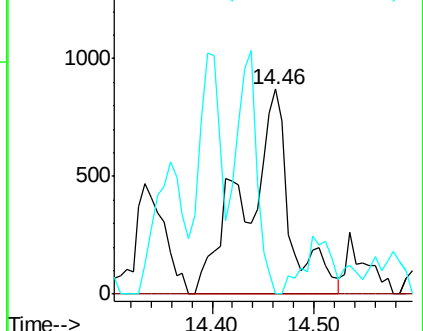
155 0.0 74.7 112.1#

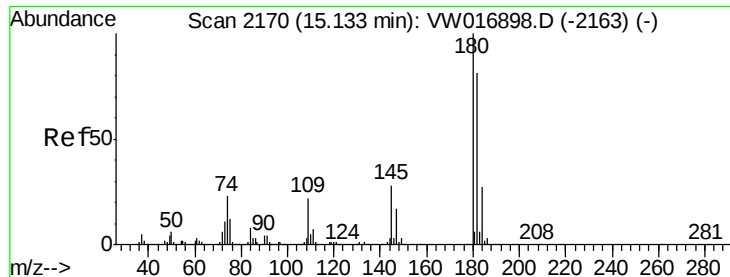


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

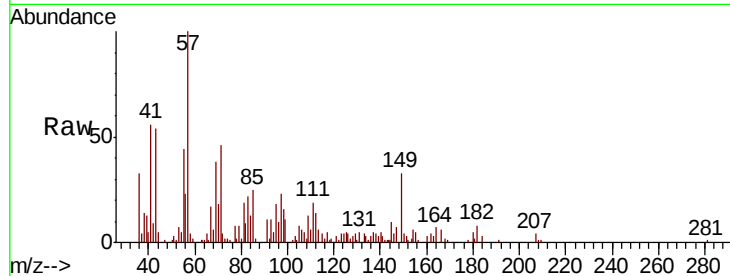




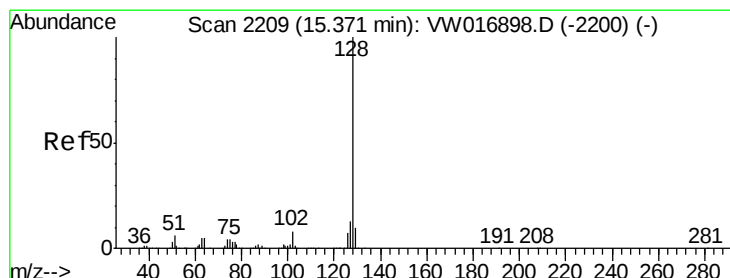
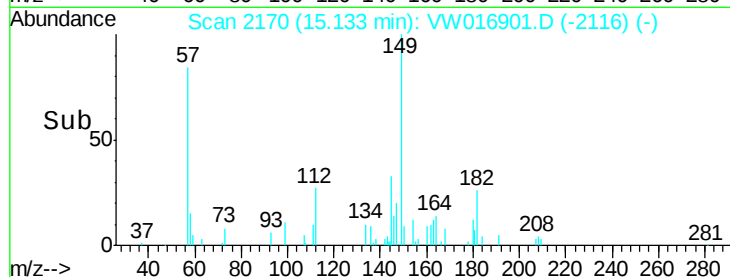
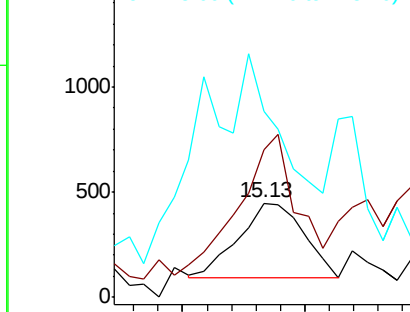
#68
 1,2,4-trichlorobenzene
 Concen: 0.601 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016901.D
 Acq: 14 Oct 2020 13:36

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X9

Tot Ion:180 Resp: 645
 Ion Ratio Lower Upper
 180 100
 182 168.5 74.2 111.2#
 145 255.3 23.4 35.0#

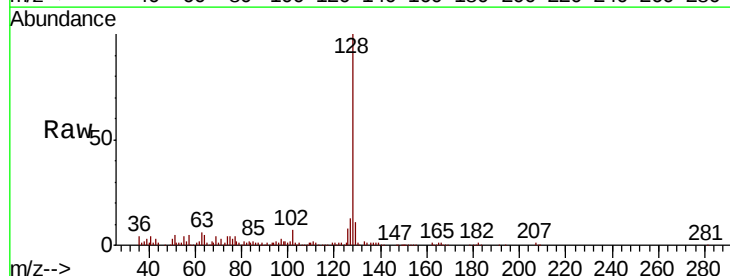


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 68.890 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW016901.D
 Acq: 14 Oct 2020 13:36

Tgt Ion:128 Resp: 122485
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.7 13.1
 127 13.8 10.1 15.1



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

