

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017202.D
 Acq On : 13 Nov 2020 09:54
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB06

Quant Time: Nov 16 11:52:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	400667	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365926	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185506	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120821	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
7) Chloroethane-d5	2.89	69	105946	27.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.96%
10) 1,1-Dichloroethene-d2	4.02	63	232854	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.20%
20) 2-Butanone-d5	7.08	46	55129	48.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.70%
24) Chloroform-d	7.65	84	267348	28.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.32%
26) 1,2-Dichloroethane-d4	8.31	65	132533	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.00%
29) Benzene-d6	8.27	84	494452	26.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.12%
33) 1,2-Dichloropropane-d6	9.27	67	137828	26.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.96%
37) Toluene-d8	10.32	98	467538	26.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.44%
38) trans-1,3-Dichloropropene-	10.58	79	61694	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.20%
39) 2-Hexanone-d5	10.93	63	46138	51.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118706	26.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	188426	28.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	90879	22.607	ug/L 97
3) Chloromethane	2.21	50	75637	20.731	ug/L 100
5) Vinyl chloride	2.37	62	126108	23.567	ug/L 97
6) Bromomethane	2.79	94	92018	24.866	ug/L 99
8) Chloroethane	2.93	64	80128	24.818	ug/L 98
9) Trichlorofluoromethane	3.26	101	122707	28.195	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	132352	25.592	ug/L 99
12) 1,1-Dichloroethene	4.04	96	118658	23.861	ug/L 88
13) Acetone	4.13	43	32341	42.799	ug/L 95
14) Carbon disulfide	4.39	76	285059	21.064	ug/L 98
15) Methyl Acetate	4.67	43	35797	19.113	ug/L 96
16) Methylene chloride	4.92	84	114972	21.284	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	143327	23.603	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	121094	23.524	ug/L 96
19) 1,1-Dichloroethane	6.22	63	197658	24.236	ug/L 99
21) 2-Butanone	7.18	43	45896	37.826	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	130058	23.896	ug/L 97

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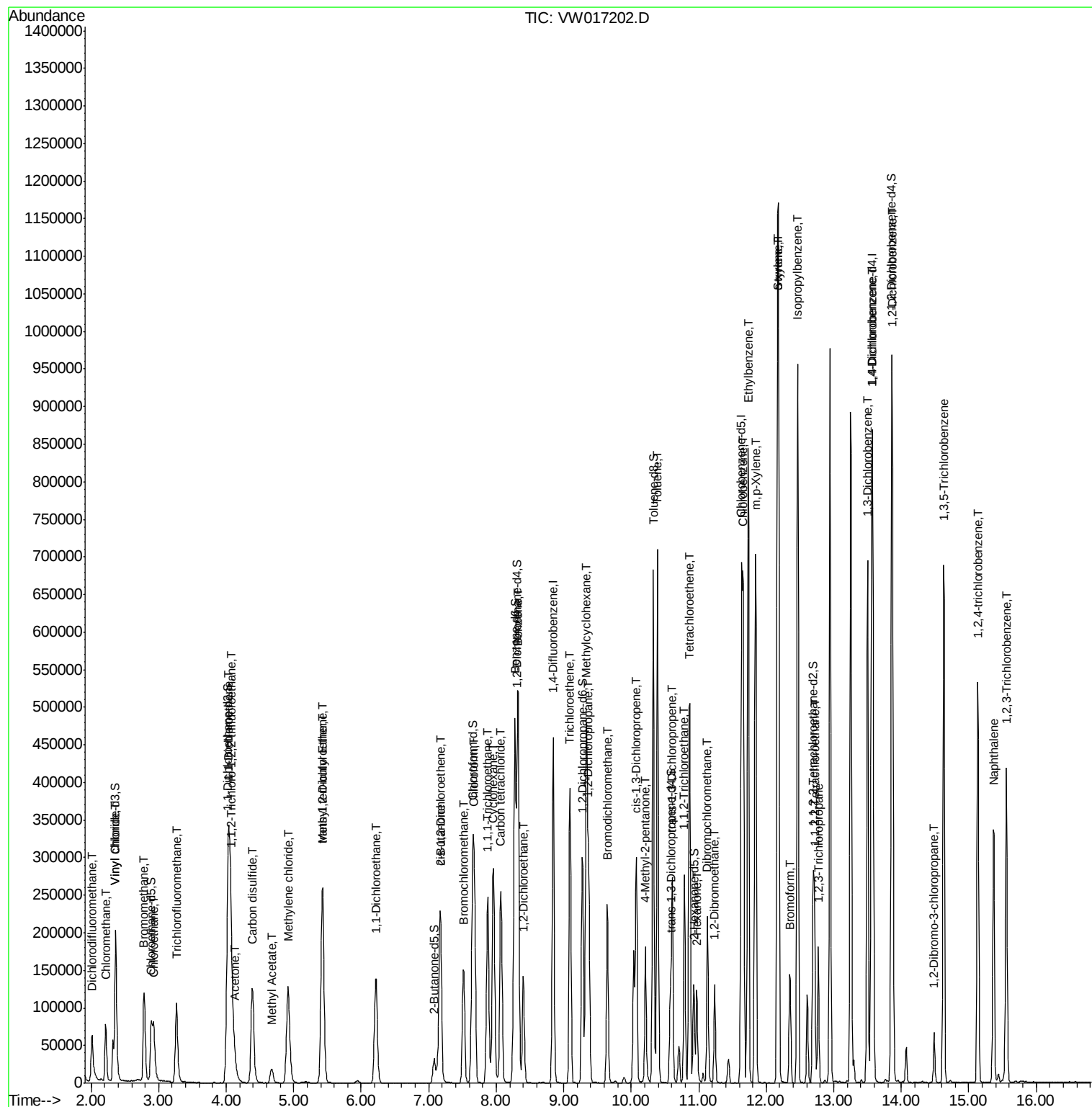
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59896	22.857	ug/L	95
25) Chloroform	7.68	83	225922	25.444	ug/L	99
27) 1,2-Dichloroethane	8.40	62	133320	25.056	ug/L #	94
30) Cyclohexane	7.96	56	157355	22.839	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	204515	27.292	ug/L	99
32) Carbon tetrachloride	8.07	117	196635	27.194	ug/L	99
34) Benzene	8.32	78	450710	23.457	ug/L	100
35) Trichloroethene	9.09	95	132450	24.608	ug/L	99
36) Methylcyclohexane	9.34	83	206838	23.881	ug/L	98
40) 1,2-Dichloropropane	9.37	63	103938	23.140	ug/L	98
41) Bromodichloromethane	9.65	83	158500	25.514	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	170758	24.002	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	108640	39.204	ug/L	97
44) Toluene	10.39	91	524835	24.815	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	149808	24.519	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	88681	22.900	ug/L	92
47) Tetrachloroethene	10.87	164	122029	25.128	ug/L	97
49) 2-Hexanone	10.97	43	72710	43.521	ug/L	95
50) Dibromochloromethane	11.13	129	116631	24.720	ug/L	98
51) 1,2-Dibromoethane	11.24	107	86638	23.028	ug/L	96
52) Chlorobenzene	11.66	112	354725	24.797	ug/L	99
53) Ethylbenzene	11.73	91	600693	25.427	ug/L	100
54) m,p-Xylene	11.84	106	236725	25.617	ug/L	99
55) o-xylene	12.17	106	224047	25.543	ug/L	99
56) Styrene	12.18	104	376405	25.559	ug/L	96
57) Isopropylbenzene	12.46	105	633663	26.619	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	96174	21.497	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69773	21.698	ug/L	99
62) Bromoform	12.35	173	68235	23.962	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	291295	25.243	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	289114	24.937	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	264290	25.397	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15568	22.627	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	225633	26.534	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	180119	26.543	ug/L	97
69) Naphthalene	15.37	128	302016	24.184	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	155010	25.000	ug/L	100

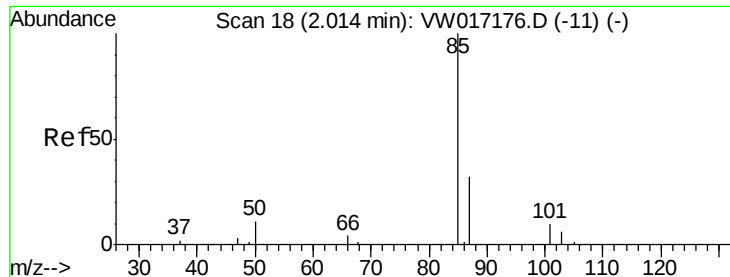
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.607 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

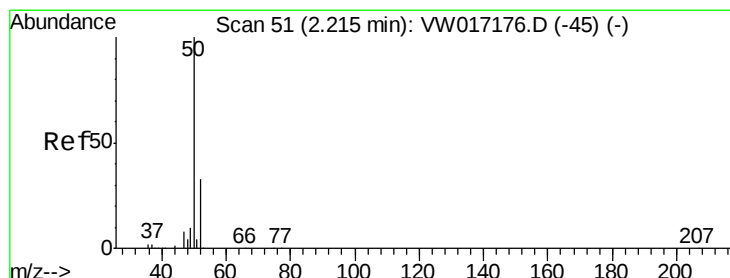
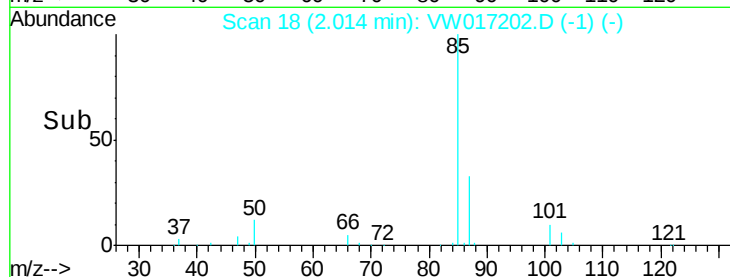
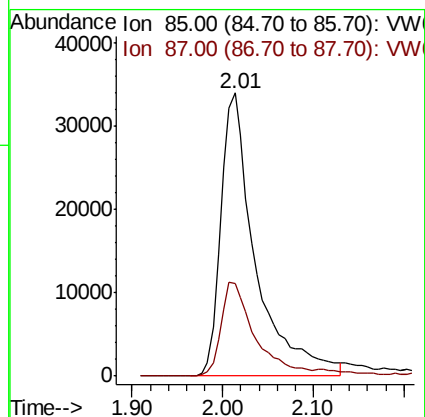
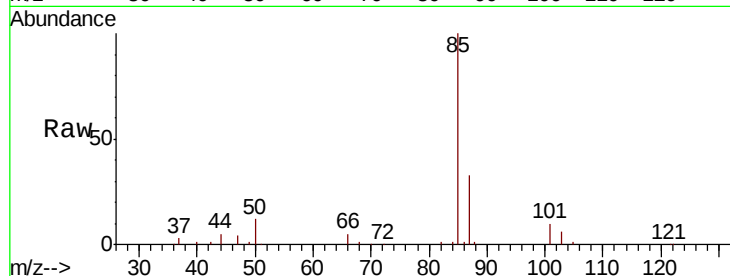
BFB06

Tot Ion: 85 Resp: 90879

Ion Ratio Lower Upper

85 100

87 32.3 21.5 39.9



#3

Chloromethane

Concen: 20.731 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017202.D

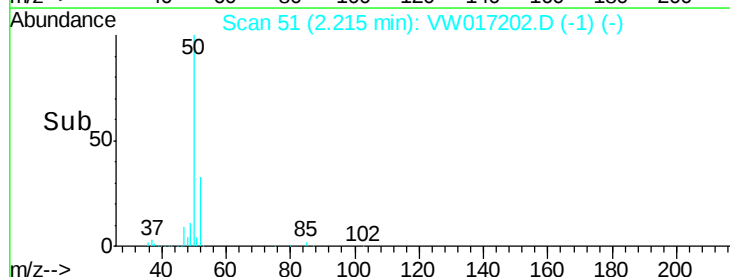
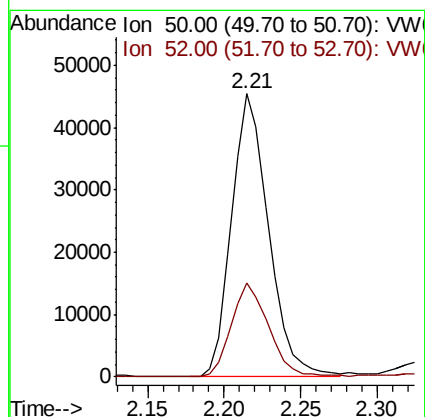
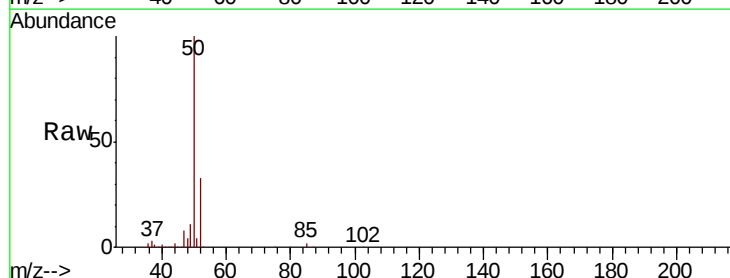
Acq: 13 Nov 2020 09:54

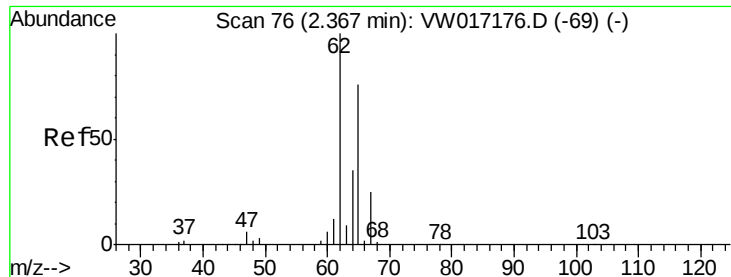
Tgt Ion: 50 Resp: 75637

Ion Ratio Lower Upper

50 100

52 33.2 23.1 42.9





#5

Vinyl chloride

Concen: 23.567 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

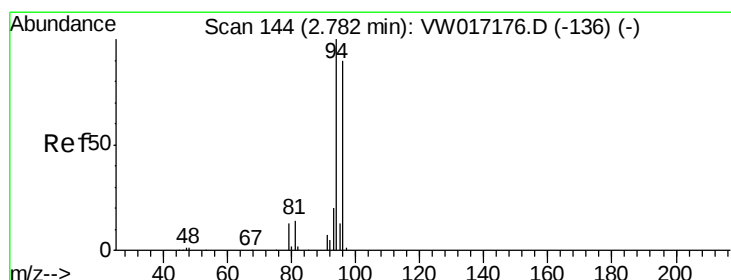
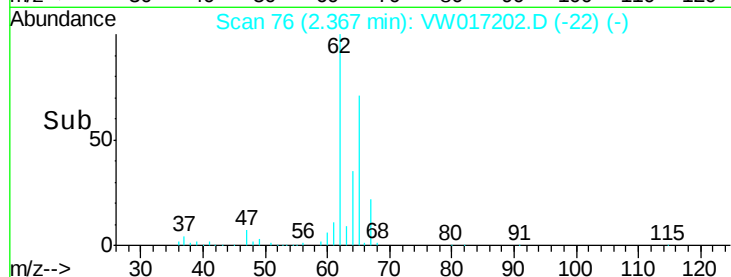
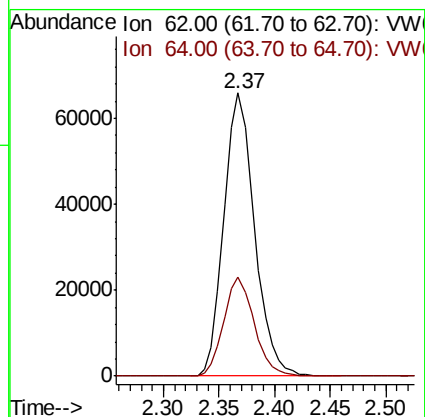
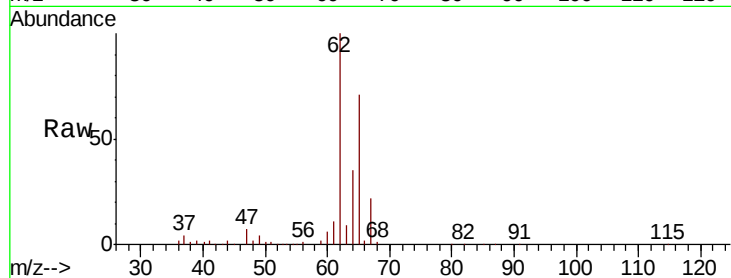
BFB06

Tot Ion: 62 Resp: 126108

Ion Ratio Lower Upper

62 100

64 34.9 23.3 43.3



#6

Bromomethane

Concen: 24.866 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017202.D

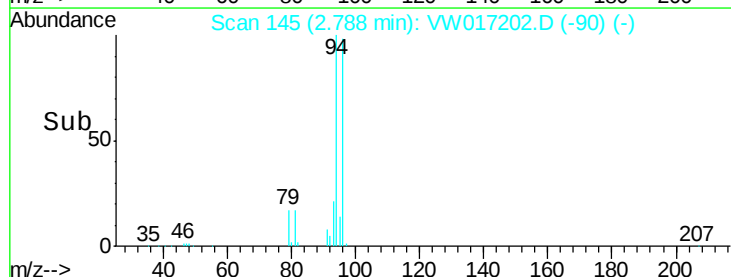
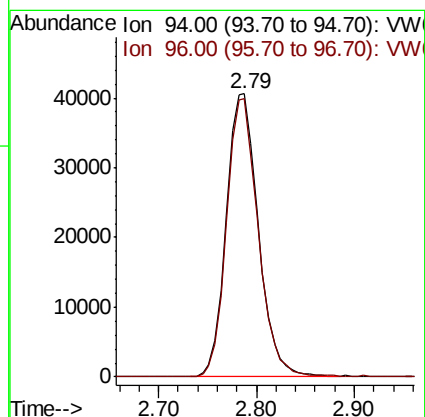
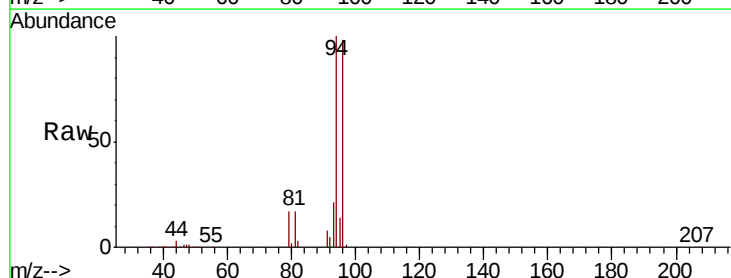
Acq: 13 Nov 2020 09:54

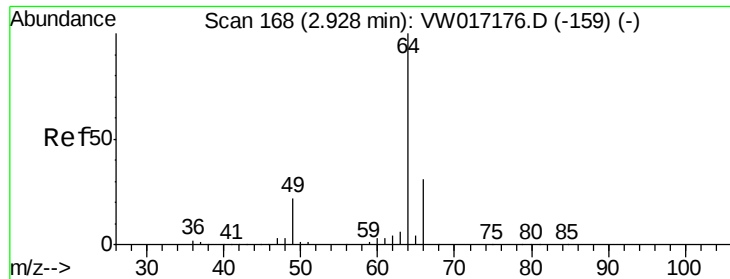
Tgt Ion: 94 Resp: 92018

Ion Ratio Lower Upper

94 100

96 96.9 9.6 181.8

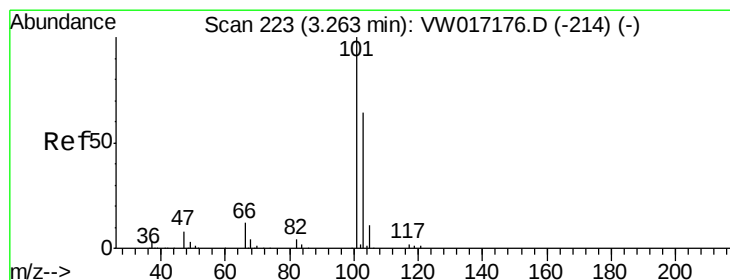
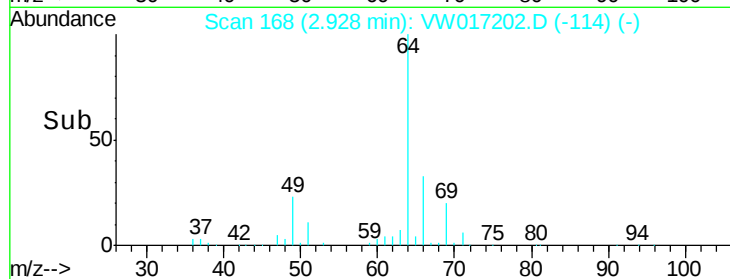
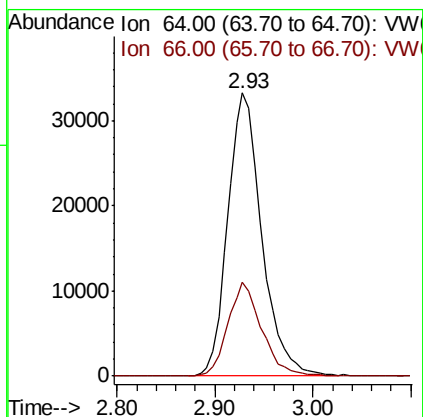
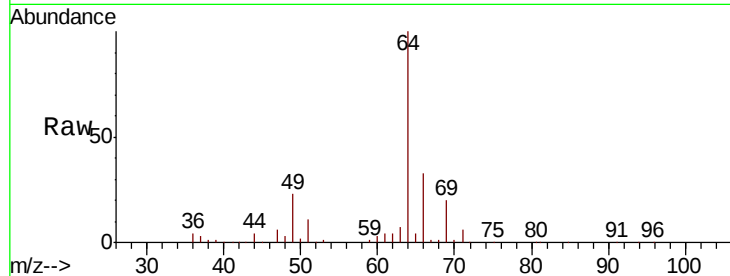




#8
Chloroethane
Concen: 24.818 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

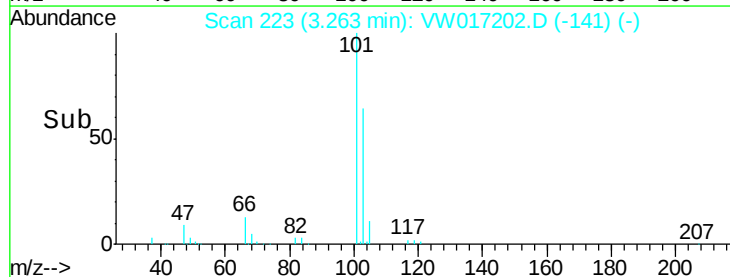
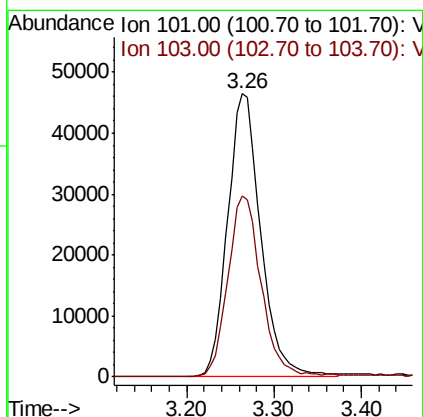
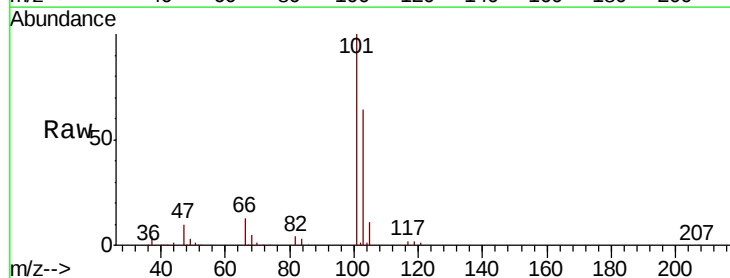
Instrument :
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ClientSampleId :
BFB06

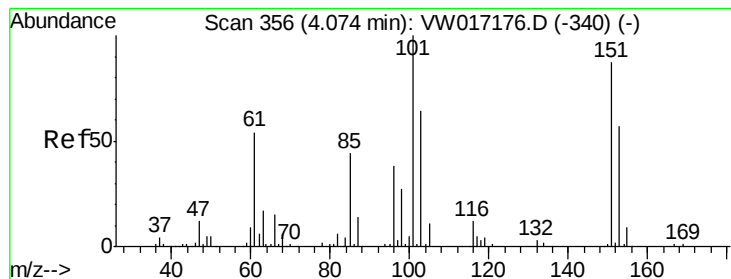
Tot Ion: 64 Resp: 80128
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 28.195 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 101 Resp: 122707
Ion Ratio Lower Upper
101 100
103 63.6 45.4 84.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.592 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

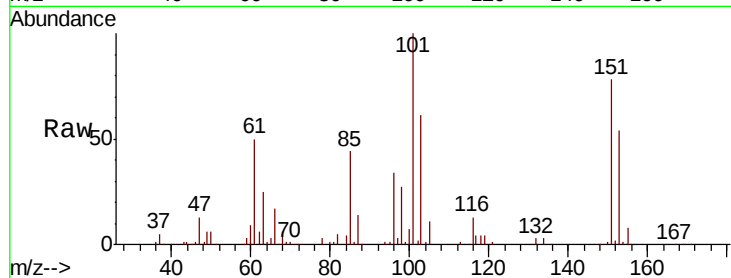
Tot Ion:101 Resp: 132352

Ion Ratio Lower Upper

101 100

85 42.2 32.8 49.2

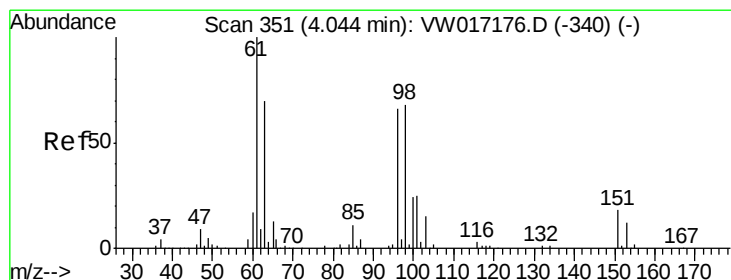
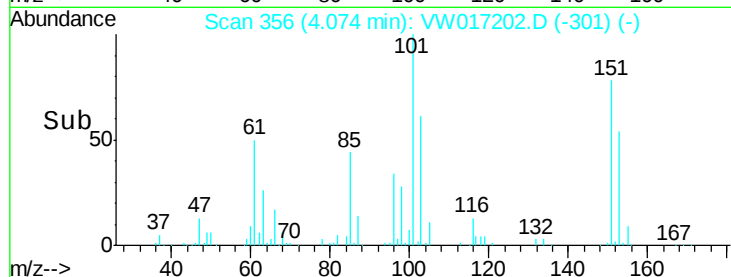
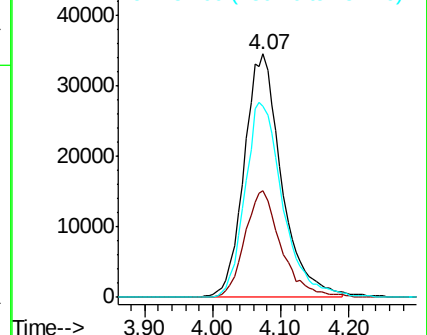
151 80.8 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.861 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

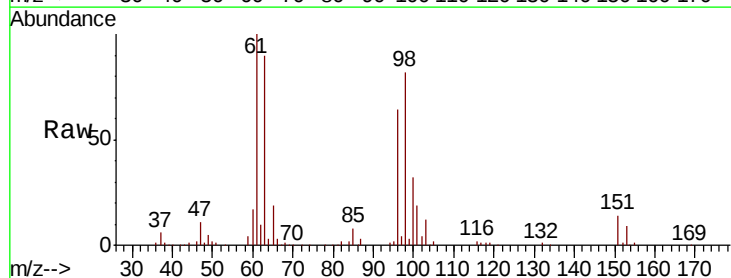
Tgt Ion: 96 Resp: 118658

Ion Ratio Lower Upper

96 100

61 157.0 103.8 192.8

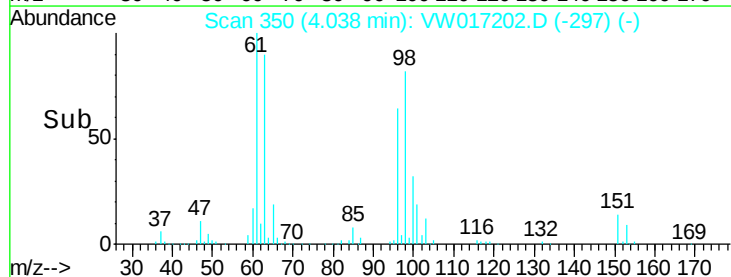
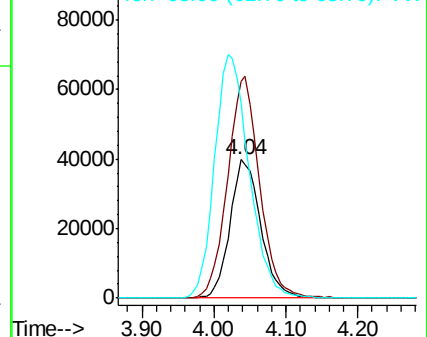
63 141.4 84.4 156.7

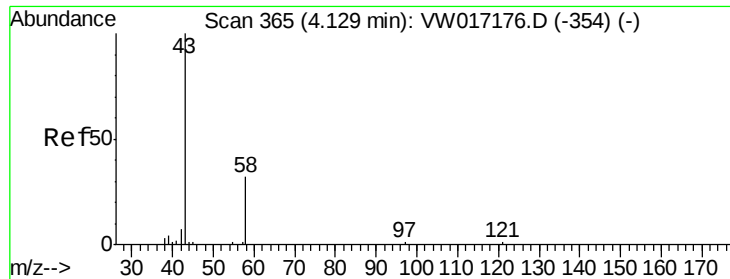


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.799 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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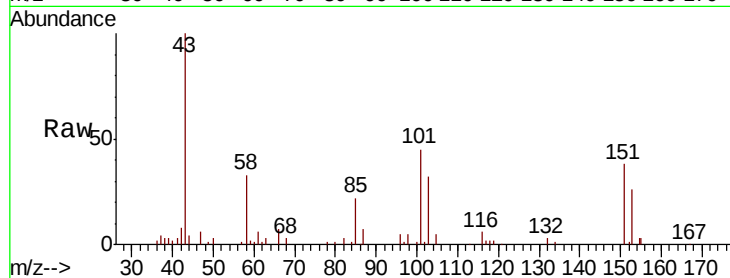
BFB06

Tot Ion: 43 Resp: 32341

Ion Ratio Lower Upper

43 100

58 31.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

12000

10000

8000

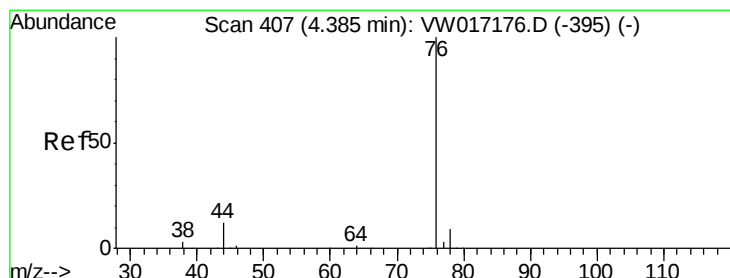
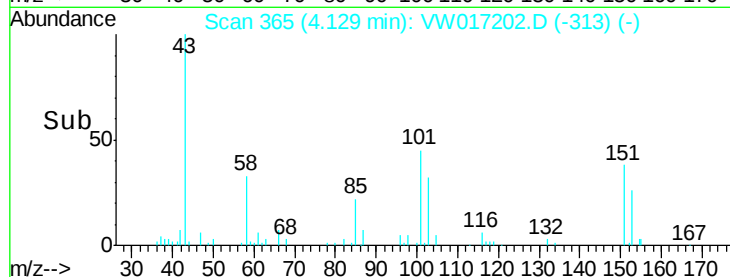
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 21.064 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017202.D

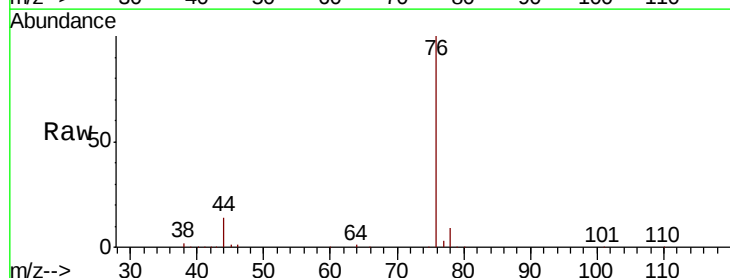
Acq: 13 Nov 2020 09:54

Tgt Ion: 76 Resp: 285059

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

100000

80000

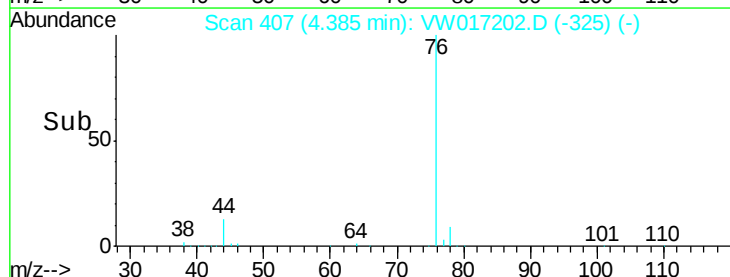
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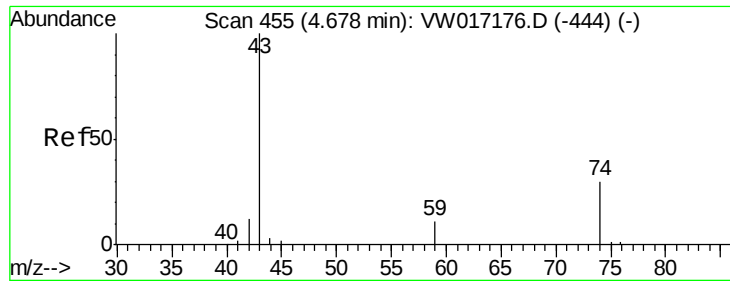
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20000

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Time-->

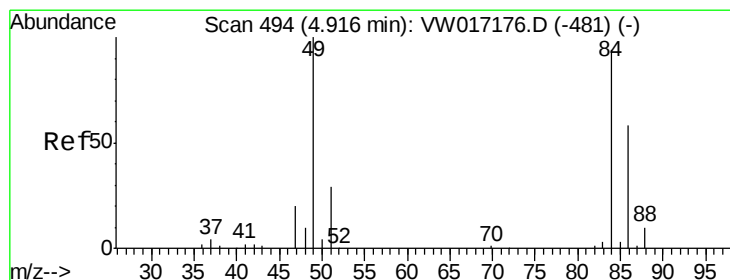
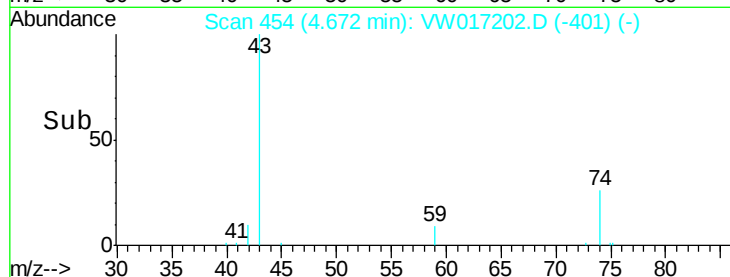
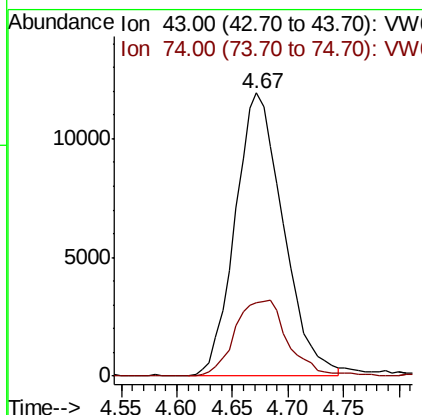
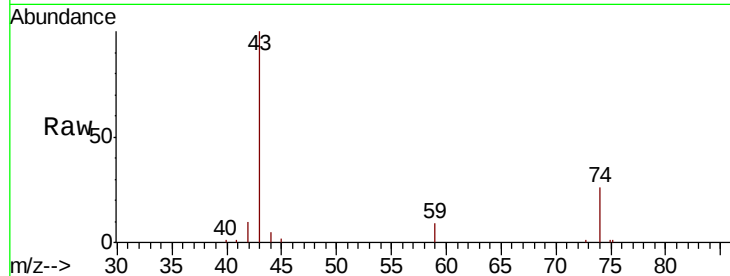




#15
Methvl Acetate
Concen: 19.113 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

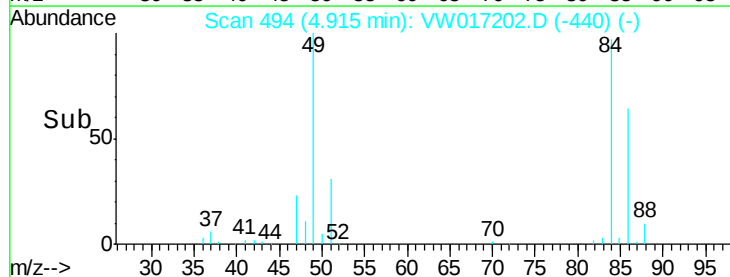
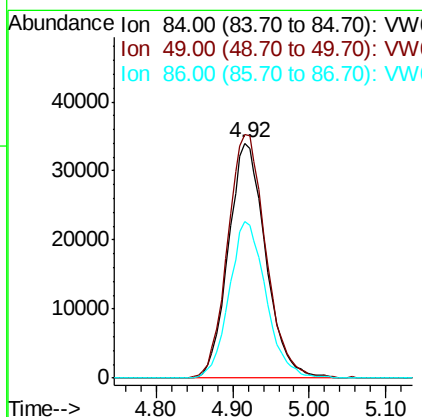
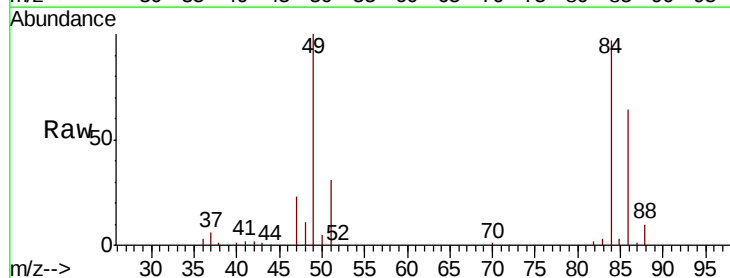
Instrument :
MSVOA_W
ClientSampled :
BFB06

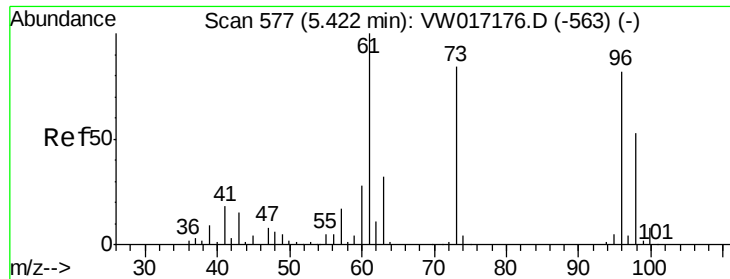
Tot Ion: 43 Resp: 35797
Ion Ratio Lower Upper
43 100
74 29.0 21.5 32.3



#16
Methylene chloride
Concen: 21.284 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 84 Resp: 114972
Ion Ratio Lower Upper
84 100
49 103.6 72.3 134.3
86 66.6 45.1 83.7

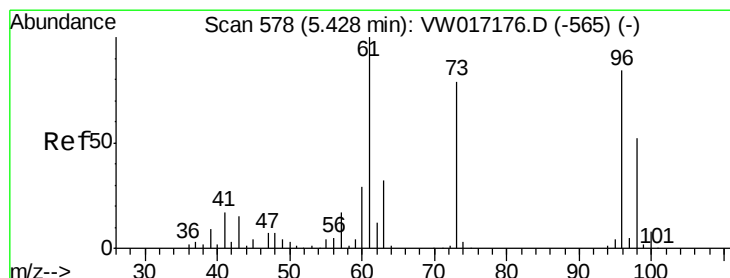
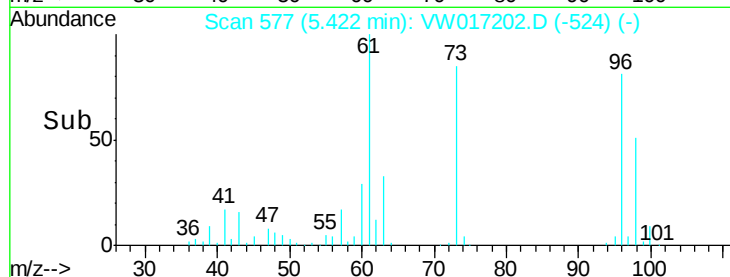
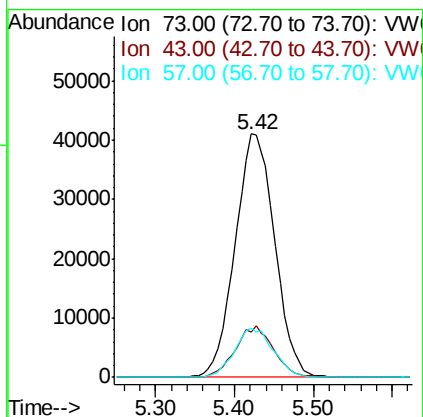
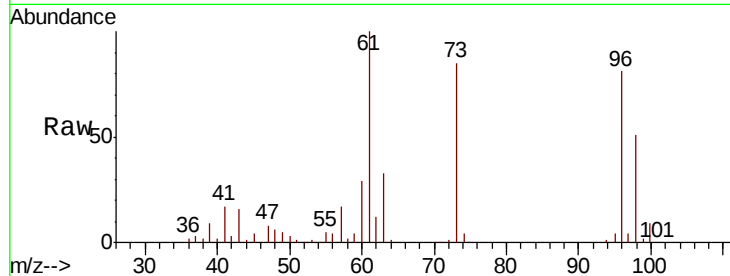




#17
Methvl tert-butvl Ether
Concen: 23.603 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

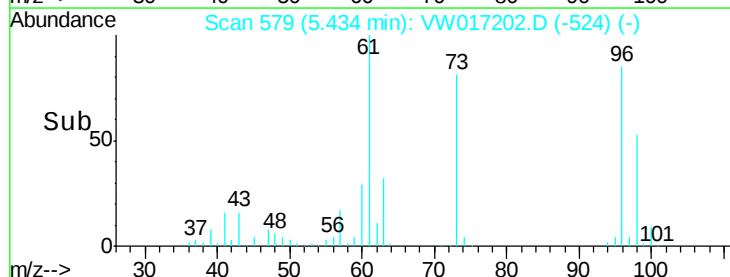
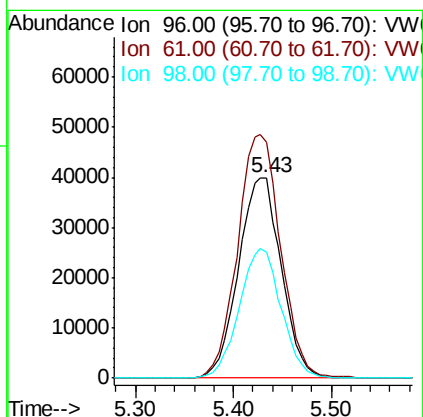
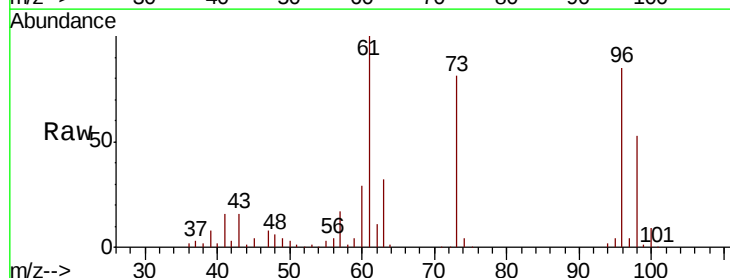
Instrument :
MSVOA_W
ClientSampleId :
BFB06

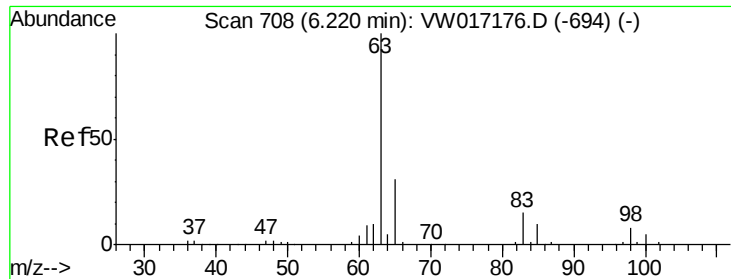
Tot Ion: 73 Resp: 143327
Ion Ratio Lower Upper
73 100
43 20.4 14.5 21.7
57 20.0 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 23.524 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 96 Resp: 121094
Ion Ratio Lower Upper
96 100
61 117.6 86.8 161.2
98 62.6 44.4 82.4





#19

1,1-Dichloroethane

Concen: 24.236 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

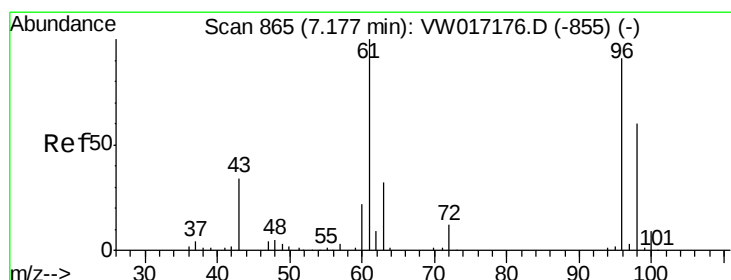
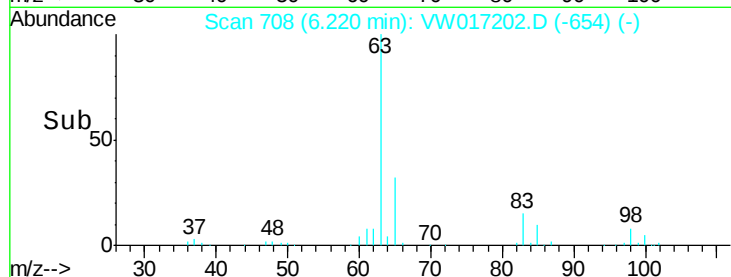
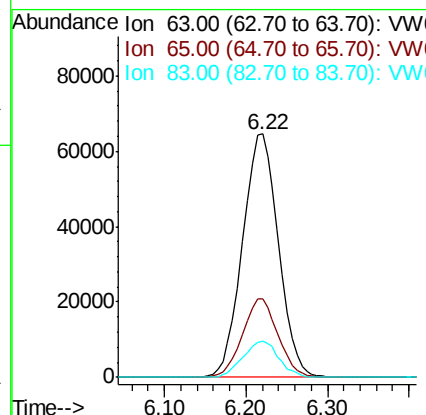
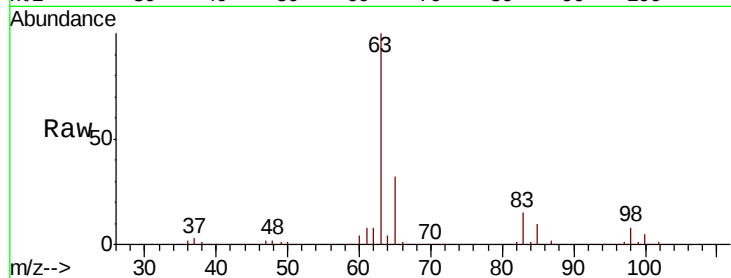
Tot Ion: 63 Resp: 197658

Ion Ratio Lower Upper

63 100

65 32.2 22.1 41.1

83 14.9 10.0 18.6



#21

2-Butanone

Concen: 37.826 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017202.D

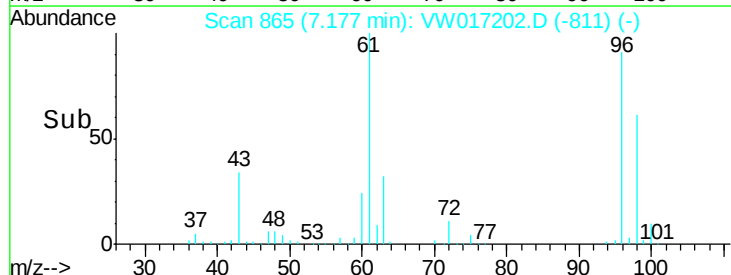
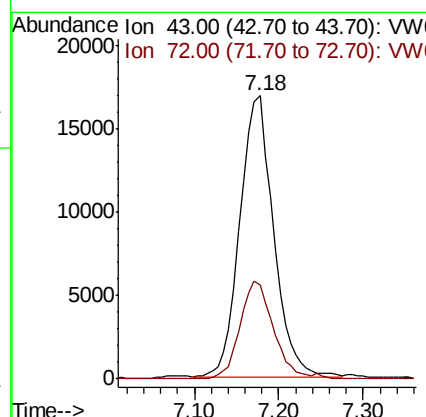
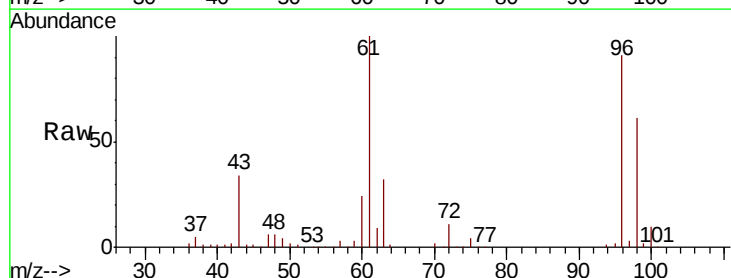
Acq: 13 Nov 2020 09:54

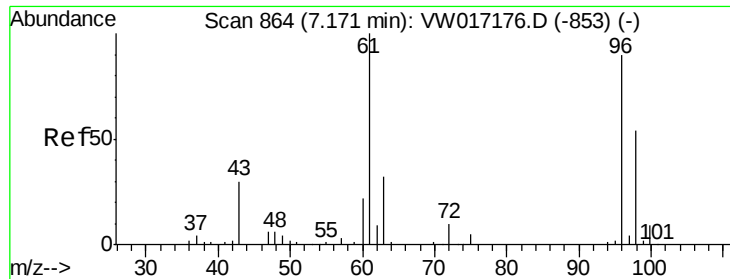
Tgt Ion: 43 Resp: 45896

Ion Ratio Lower Upper

43 100

72 34.1 16.1 48.3



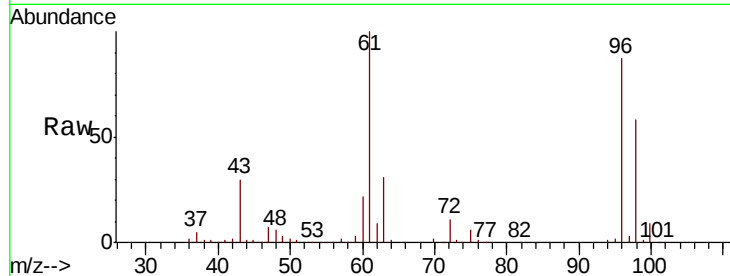


#22

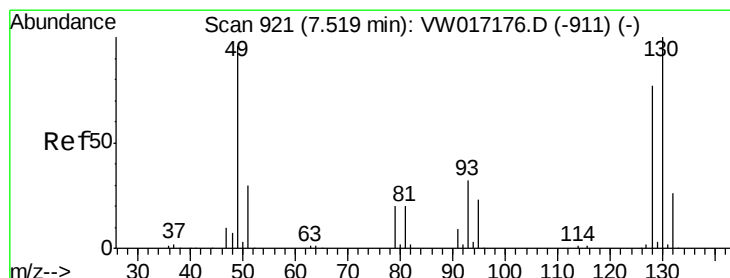
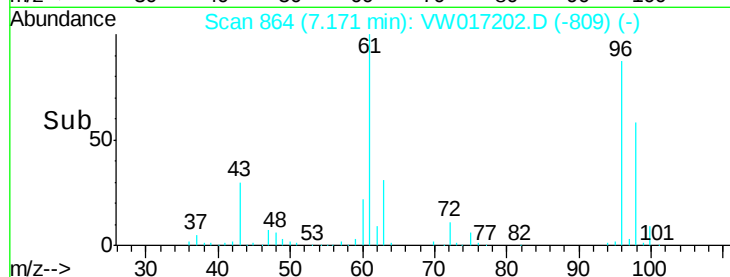
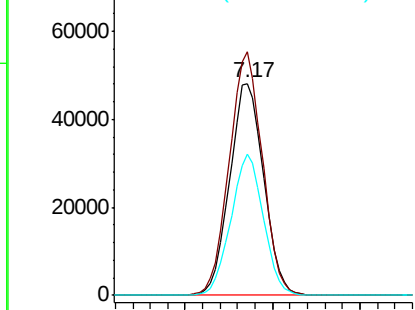
cis-1,2-Dichloroethene
Concen: 23.896 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Instrument :
MSVOA_W
ClientSampleId :
BFB06

Tot Ion: 96 Resp: 130058
Ion Ratio Lower Upper
96 100
61 114.7 77.4 143.8
98 66.3 45.1 83.7



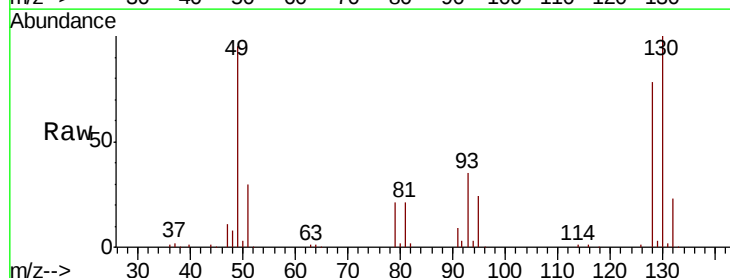
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



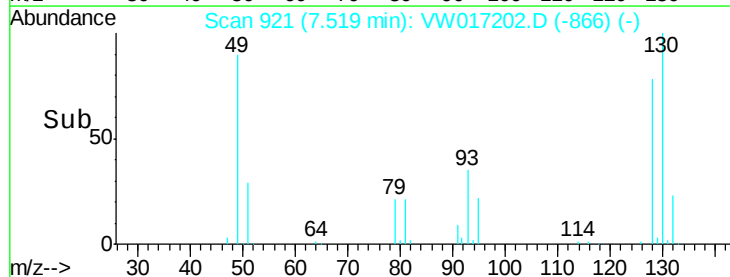
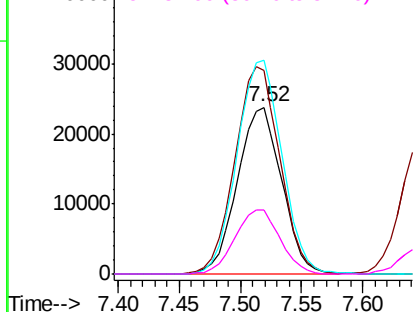
#23

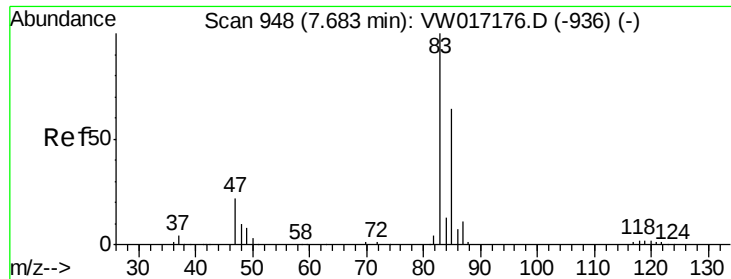
Bromochloromethane
Concen: 22.857 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 128 Resp: 59896
Ion Ratio Lower Upper
128 100
49 122.3 88.3 163.9
130 128.4 95.6 177.6
51 38.5 32.2 48.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

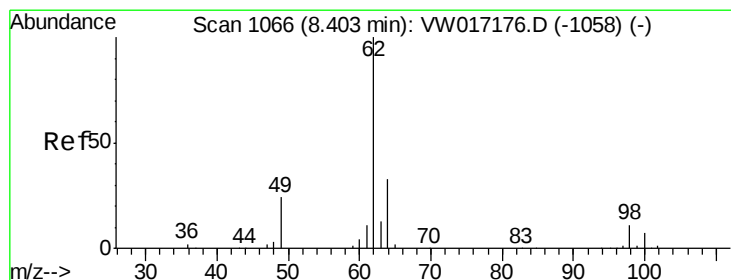
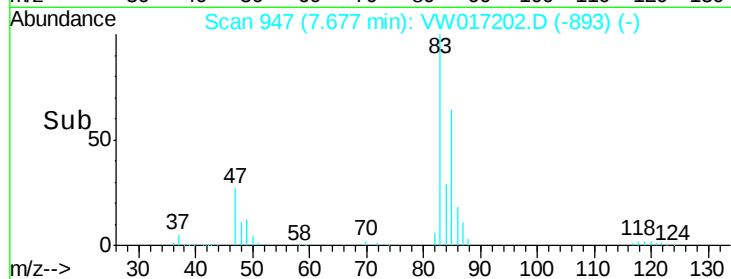
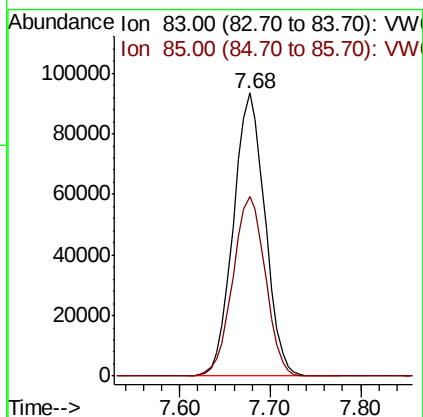
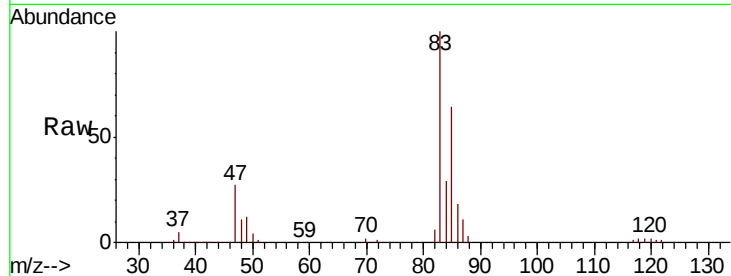




#25
Chloroform
Concen: 25.444 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

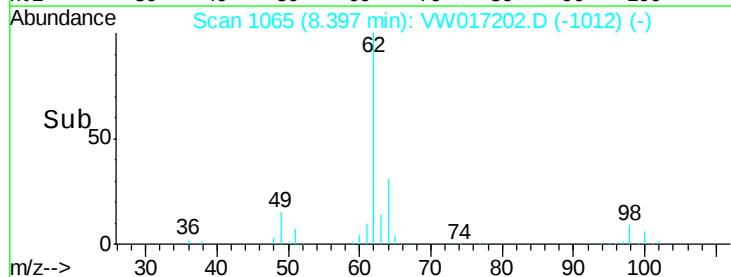
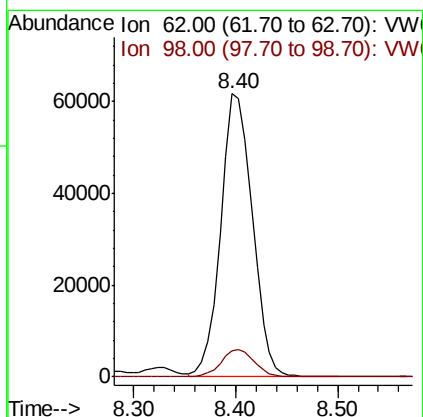
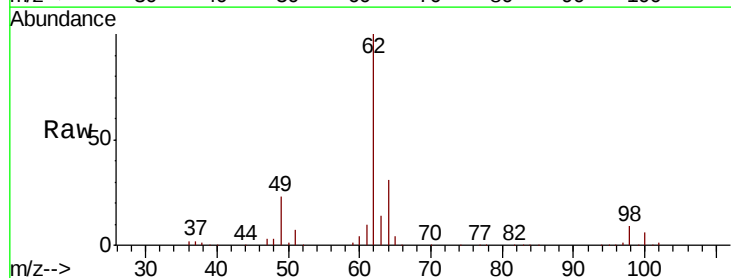
Instrument :
MSVOA_W
ClientSampled :
BFB06

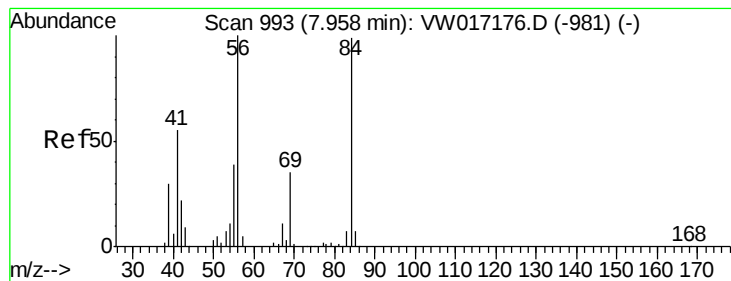
Tot Ion: 83 Resp: 225922
Ion Ratio Lower Upper
83 100
85 65.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 25.056 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 62 Resp: 133320
Ion Ratio Lower Upper
62 100
98 9.2 9.4 14.0#





#30

Cyclohexane

Concen: 22.839 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

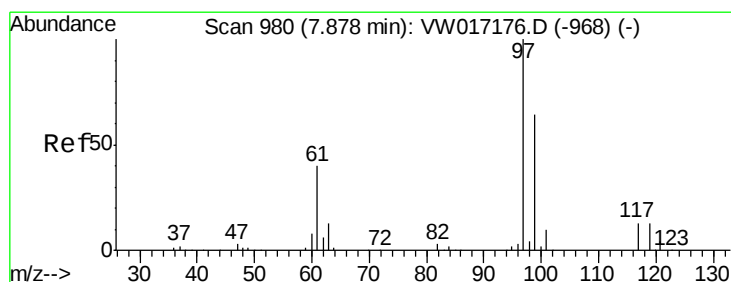
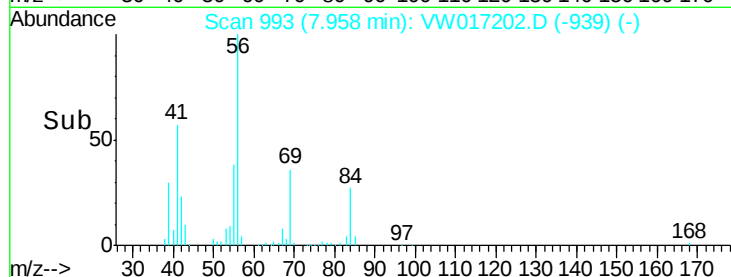
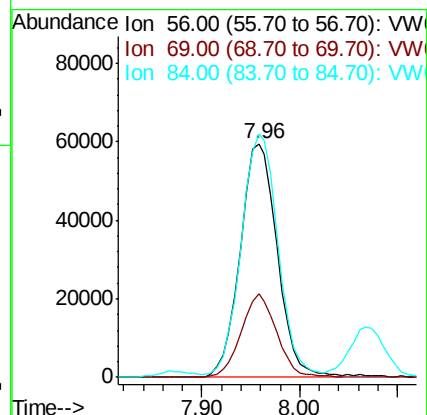
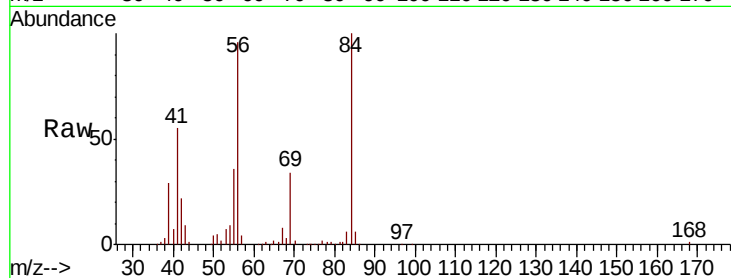
Tot Ion: 56 Resp: 157355

Ion Ratio Lower Upper

56 100

69 34.0 26.1 39.1

84 103.5 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 27.292 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

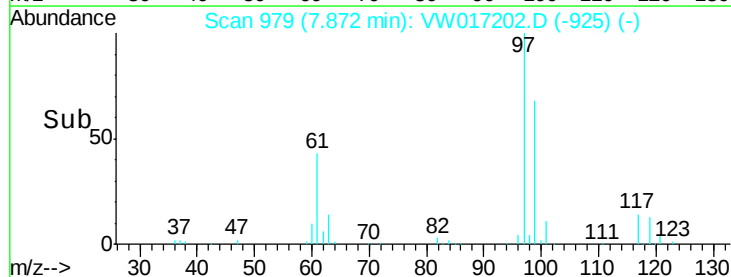
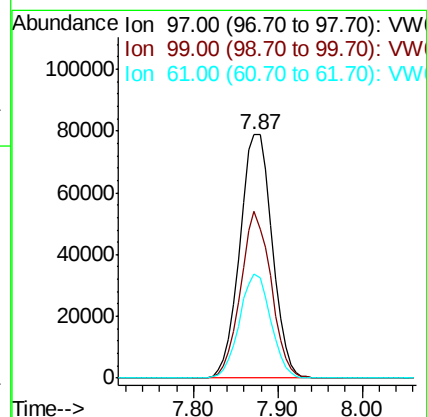
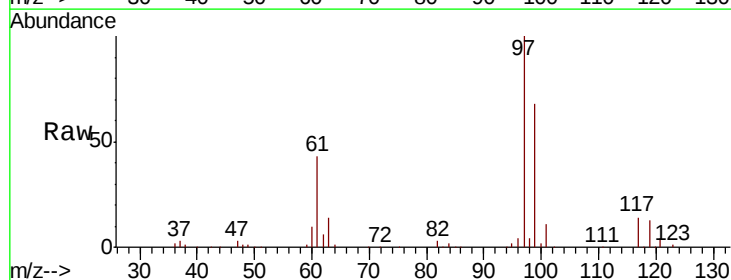
Tgt Ion: 97 Resp: 204515

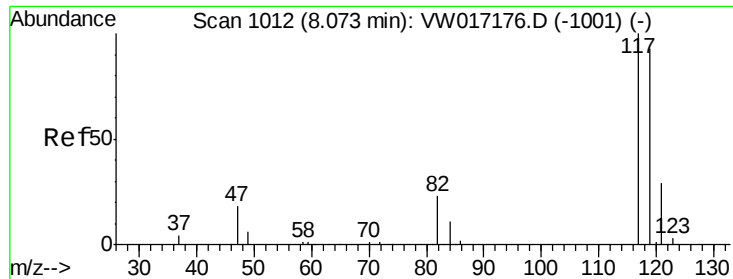
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 41.4 31.6 47.4





#32

Carbon tetrachloride

Concen: 27.194 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

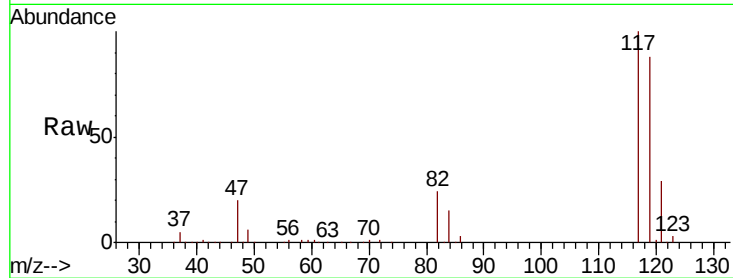
BFB06

Tot Ion:117 Resp: 196635

Ion Ratio Lower Upper

117 100

119 96.2 77.7 116.5

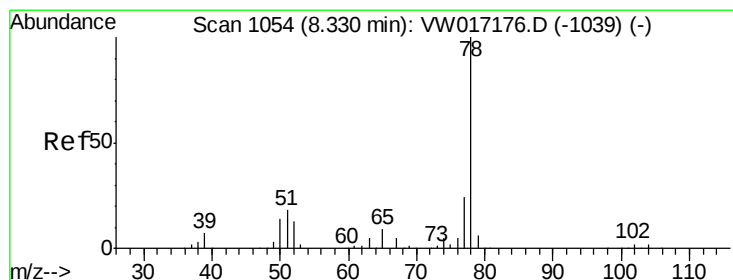
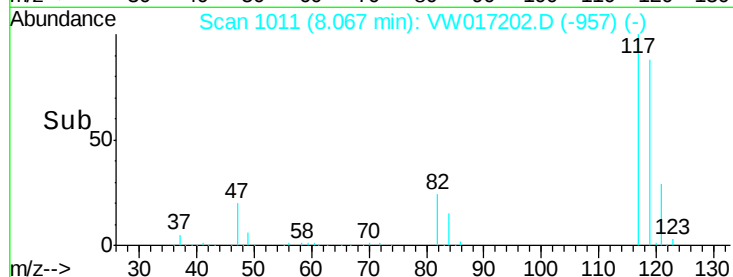


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

Time-->



#34

Benzene

Concen: 23.457 ug/L

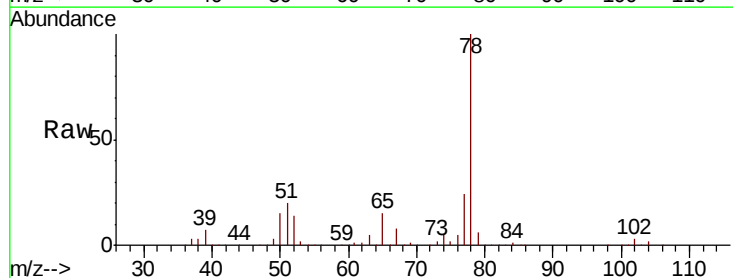
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

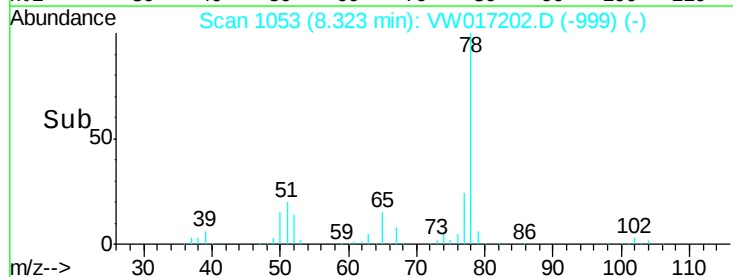
Tgt Ion: 78 Resp: 450710

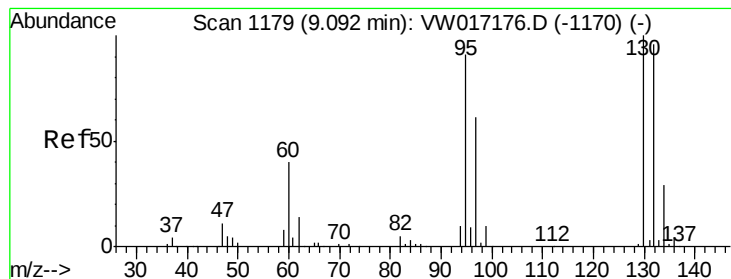


Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

Time-->





#35

Trichloroethene

Concen: 24.608 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampled :

BFB06

Tot Ion: 95 Resp: 132450

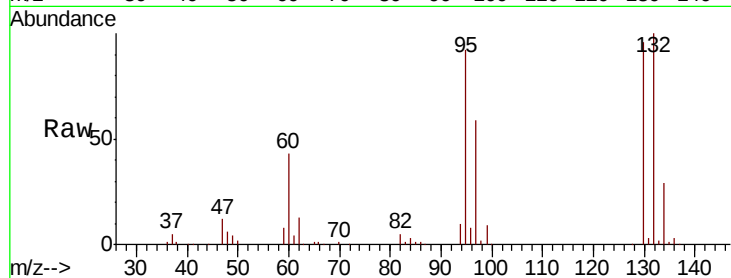
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 105.4 73.7 136.9

130 107.4 77.1 143.1

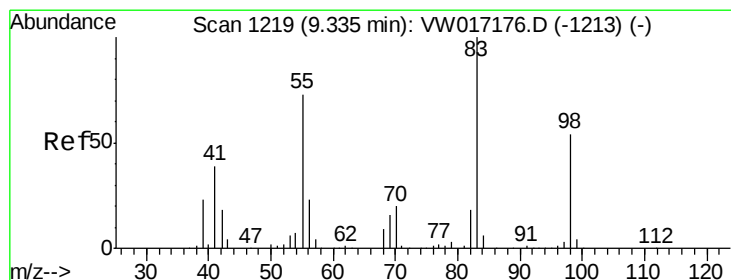
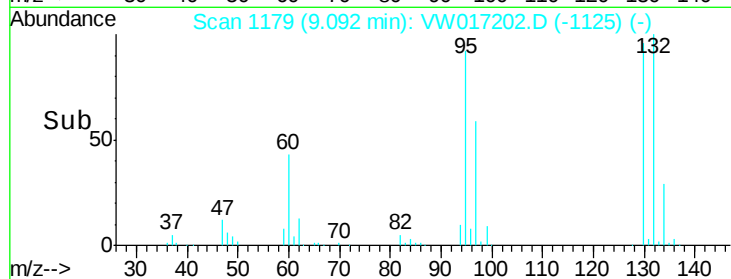
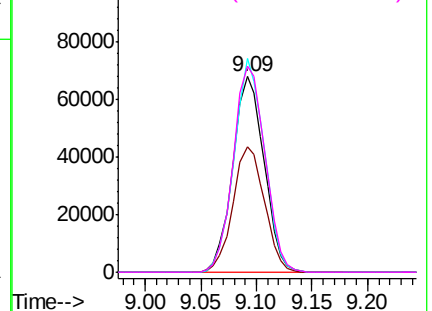


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.881 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

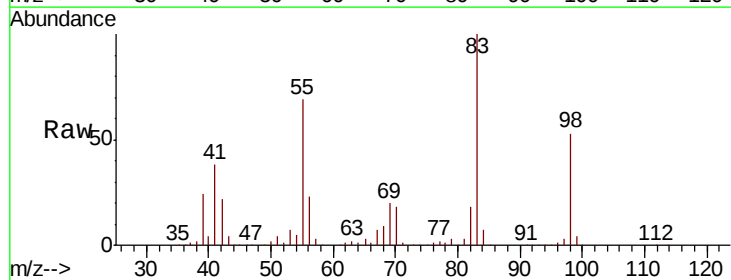
Tgt Ion: 83 Resp: 206838

Ion Ratio Lower Upper

83 100

55 67.4 54.4 81.6

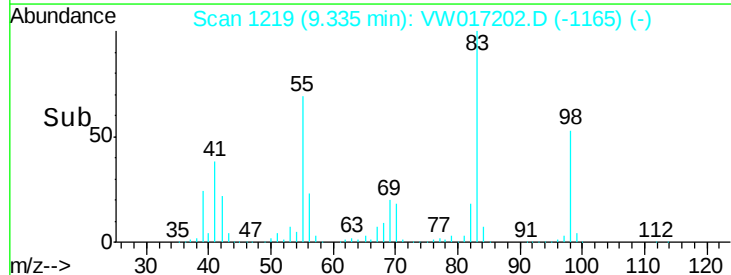
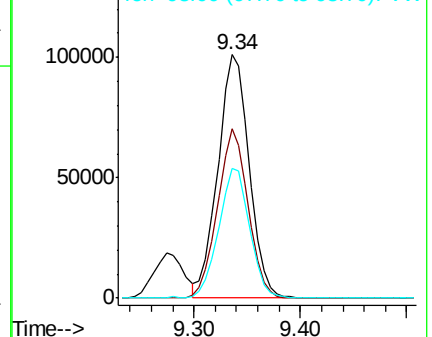
98 52.7 40.5 60.7

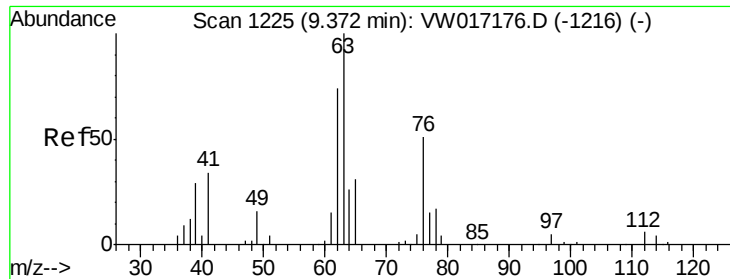


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

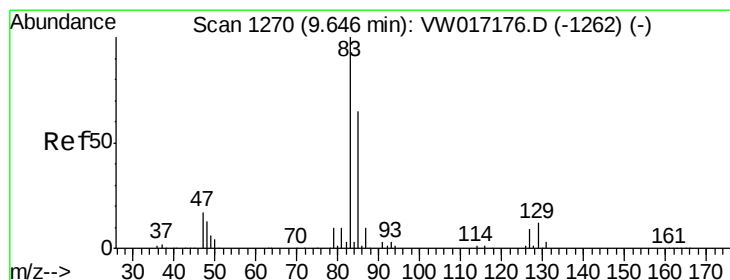
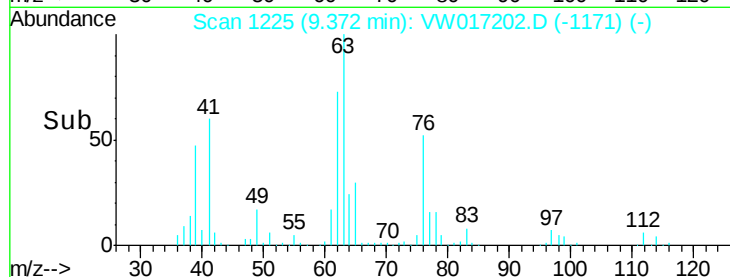
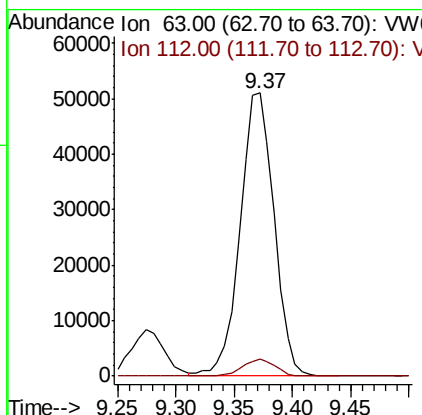
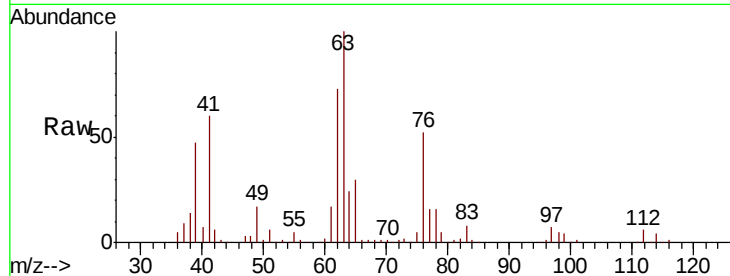




#40
 1,2-Dichloropropane
 Concen: 23.140 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

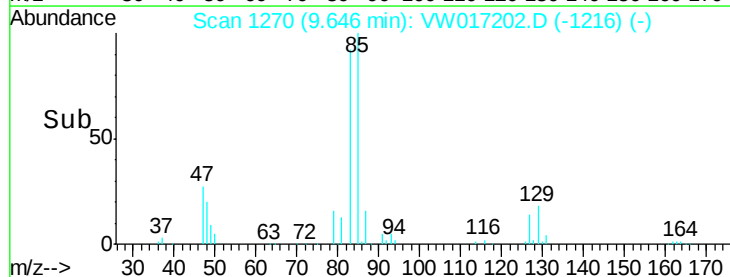
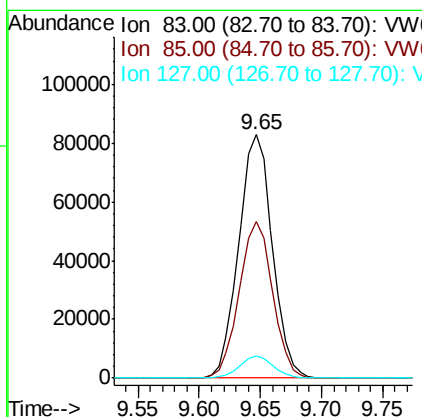
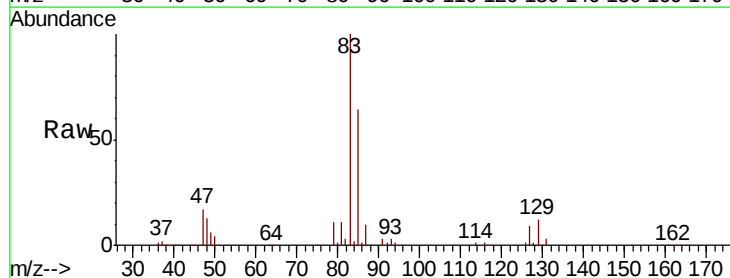
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB06

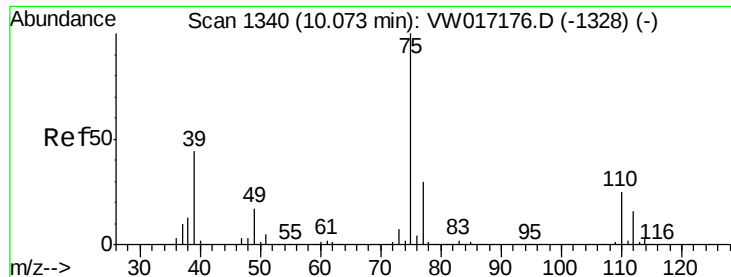
Tot Ion: 63 Resp: 103938
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.2 6.2



#41
 Bromodichloromethane
 Concen: 25.514 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Tgt Ion: 83 Resp: 158500
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.4
 127 9.1 7.3 10.9

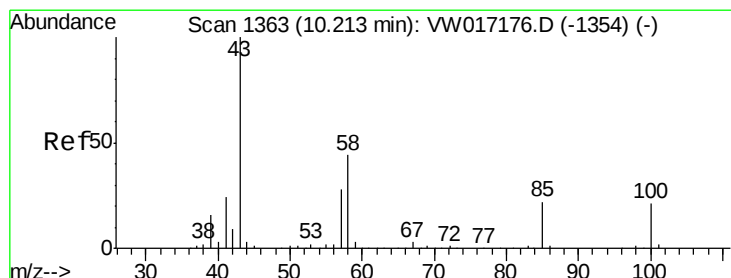
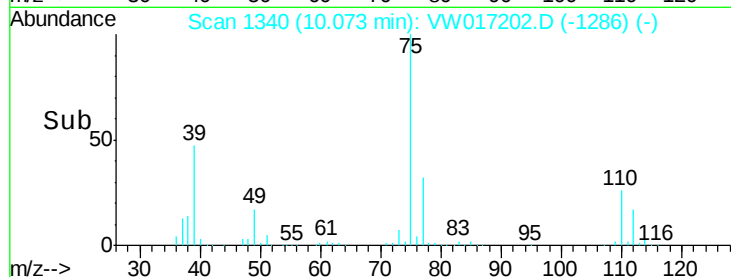
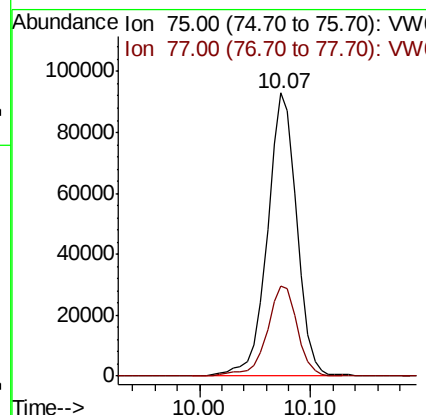
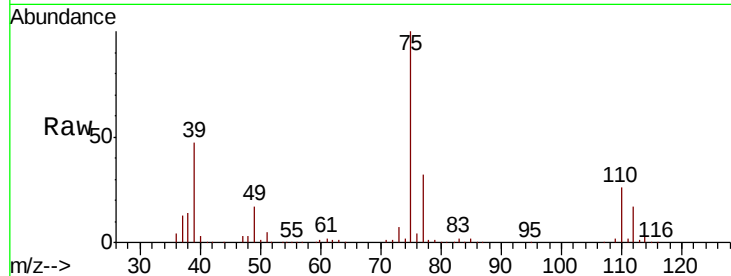




#42
 cis-1,3-Dichloropropene
 Concen: 24.002 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

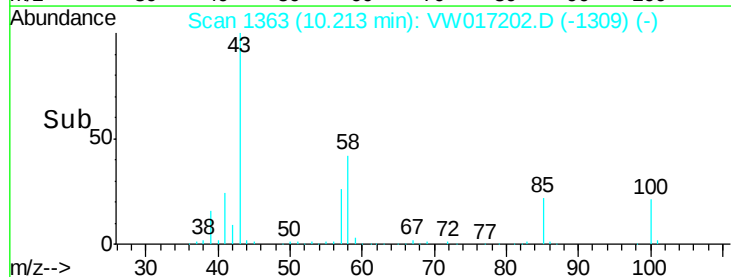
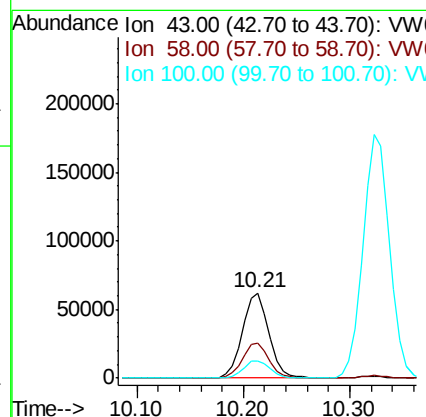
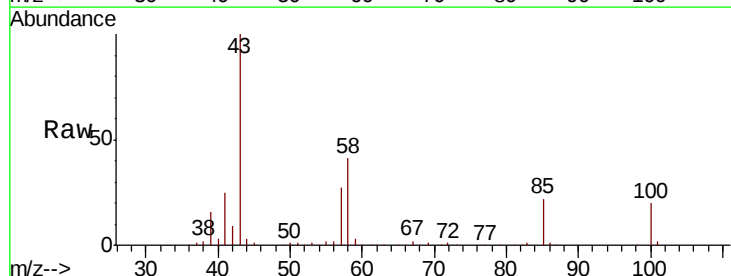
Instrument :
 MSVOA_W
 ClientSampled :
 BFB06

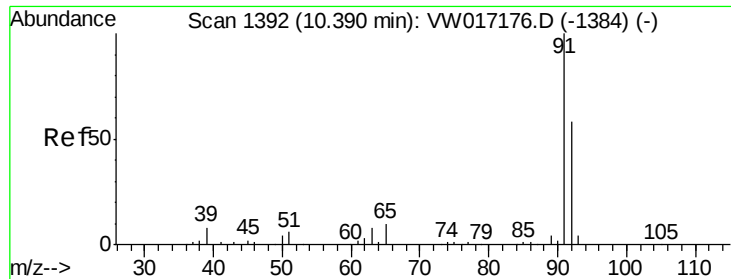
Tot Ion: 75 Resp: 170758
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 39.204 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Tgt Ion: 43 Resp: 108640
 Ion Ratio Lower Upper
 43 100
 58 41.2 35.0 52.6
 100 20.7 16.6 24.8





#44

Toluene

Concen: 24.815 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

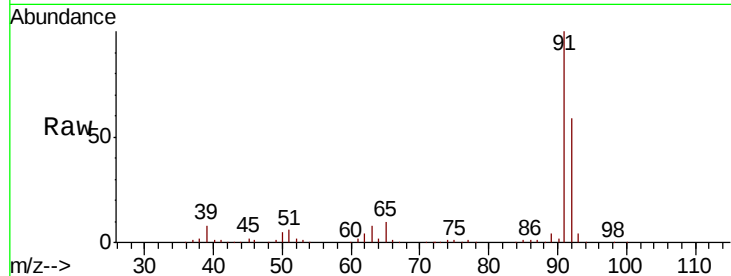
BFB06

Tot Ion: 91 Resp: 524835

Ion Ratio Lower Upper

91 100

92 58.8 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

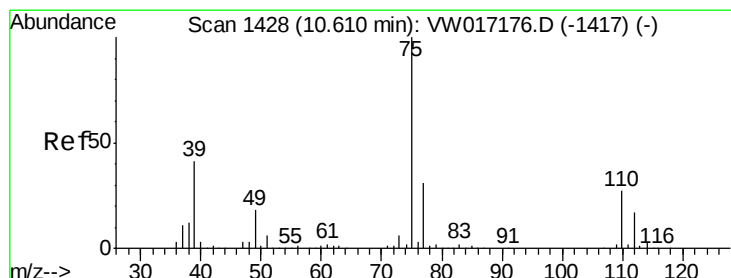
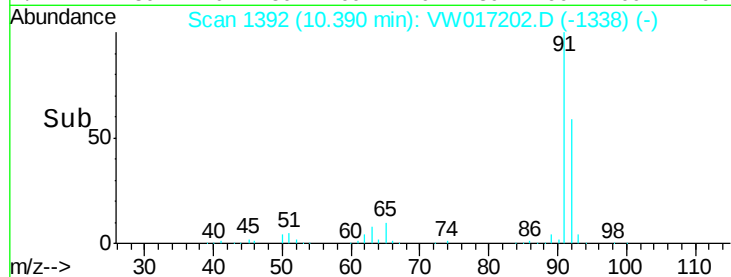
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.519 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017202.D

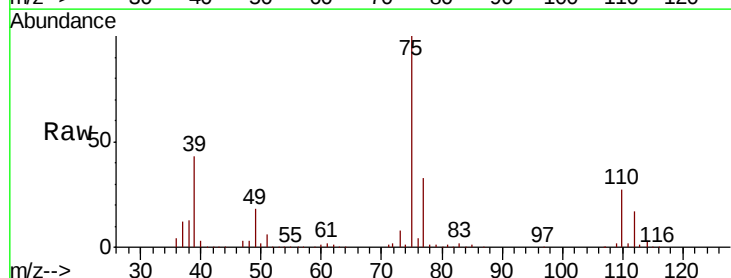
Acq: 13 Nov 2020 09:54

Tgt Ion: 75 Resp: 149808

Ion Ratio Lower Upper

75 100

77 32.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

100000

80000

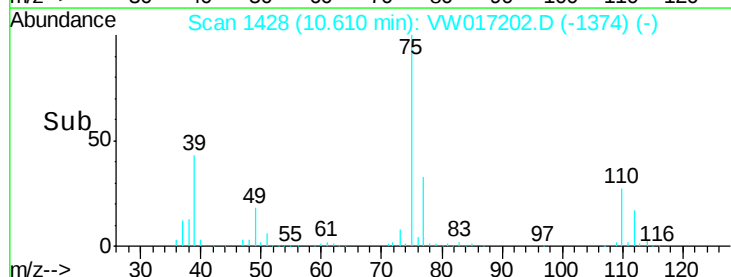
60000

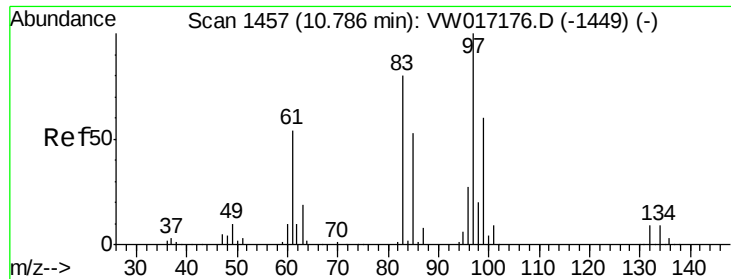
40000

20000

0

Time-->

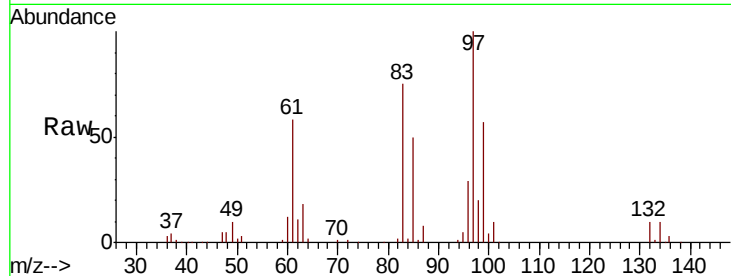




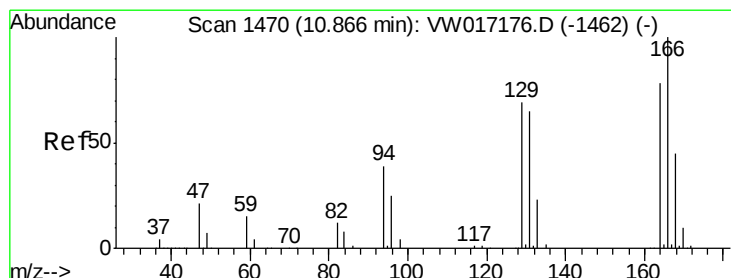
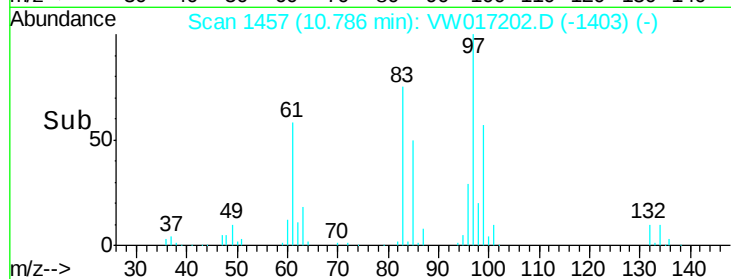
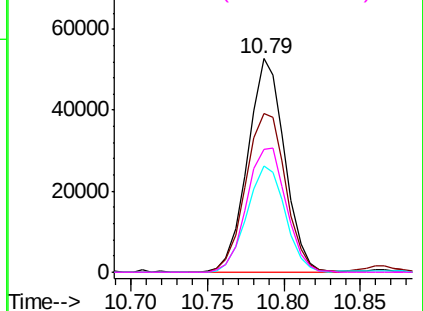
#46
1,1,2-Trichloroethane
Concen: 22.900 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Instrument :
MSVOA_W
ClientSampleId :
BFB06

Tot Ion: 97 Resp: 88681
Ion Ratio Lower Upper
97 100
83 74.6 57.3 106.5
85 49.9 37.2 69.0
99 57.4 45.7 84.9

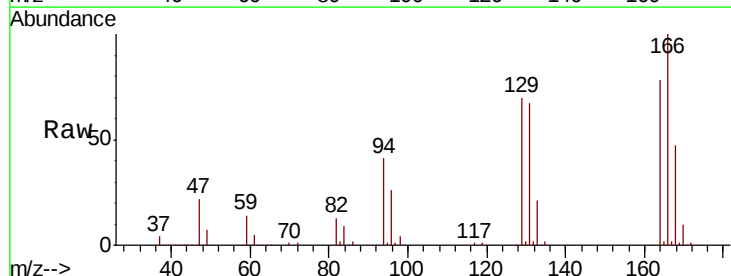


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

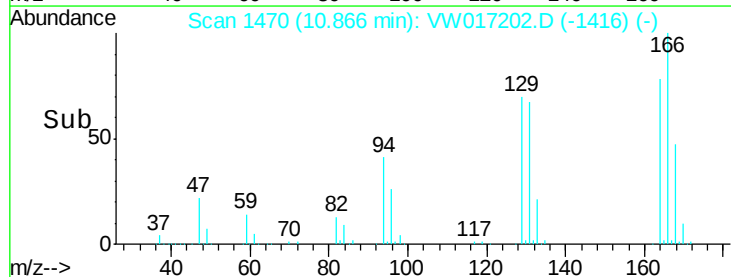
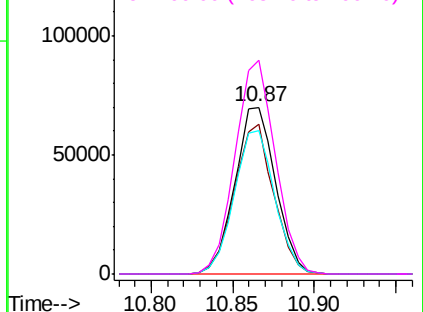


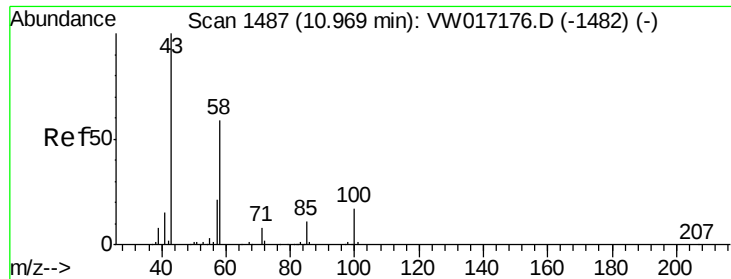
#47
Tetrachloroethene
Concen: 25.128 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 164 Resp: 122029
Ion Ratio Lower Upper
164 100
129 90.1 62.9 116.7
131 85.8 63.3 117.5
166 128.0 92.0 170.8



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: 43.521 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

Tot Ion: 43 Resp: 72710

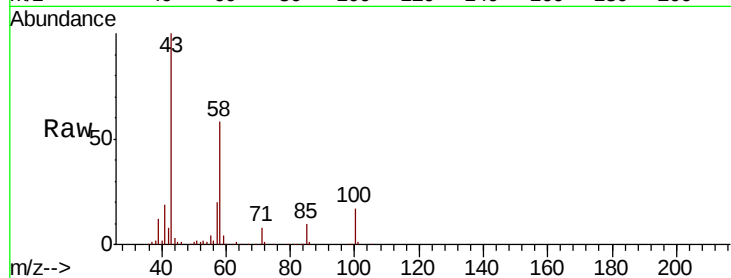
Ion Ratio Lower Upper

43 100

58 58.1 50.6 75.8

57 20.4 17.8 26.6

100 16.9 13.9 20.9

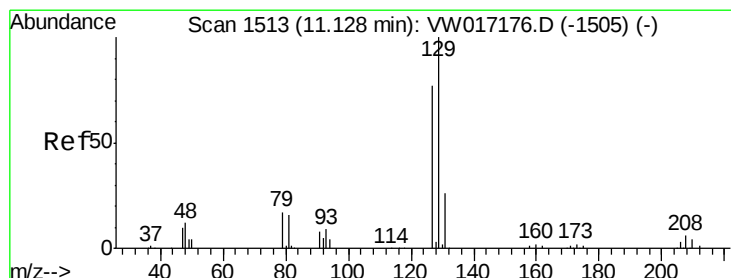
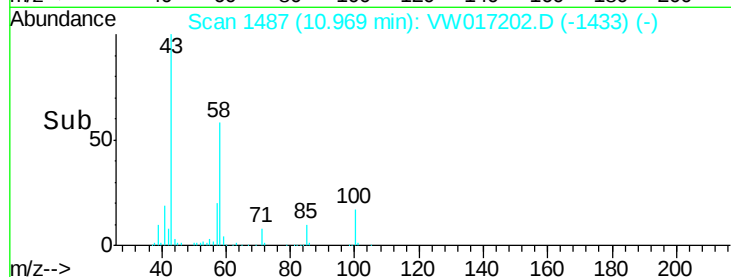
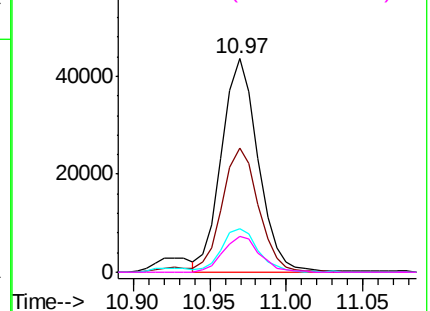


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.720 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017202.D

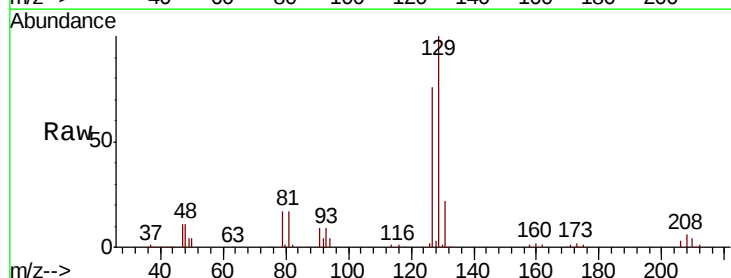
Acq: 13 Nov 2020 09:54

Tgt Ion: 129 Resp: 116631

Ion Ratio Lower Upper

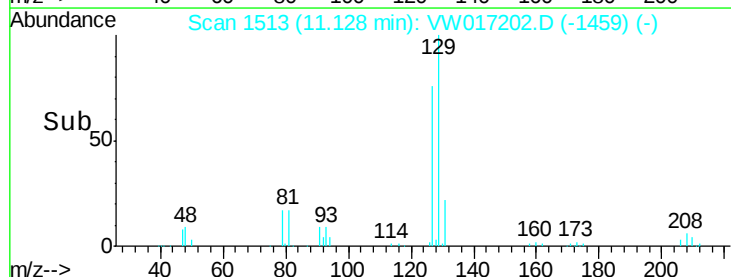
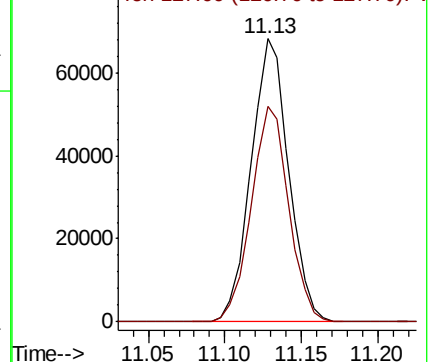
129 100

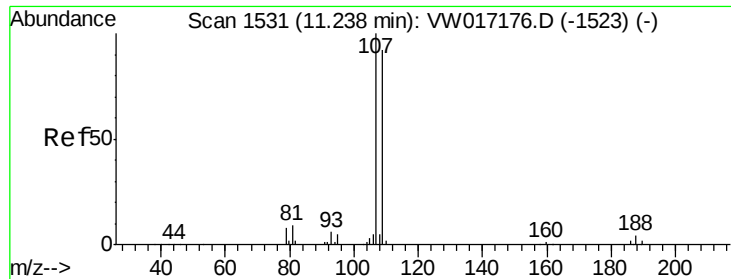
127 76.3 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

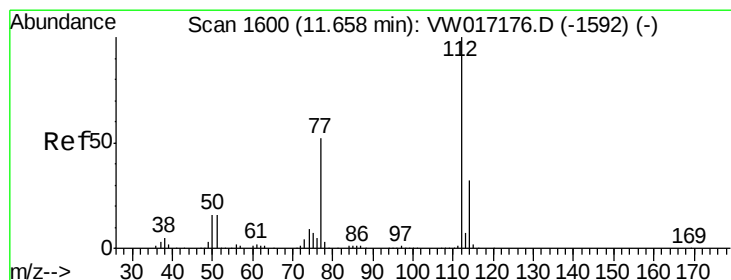
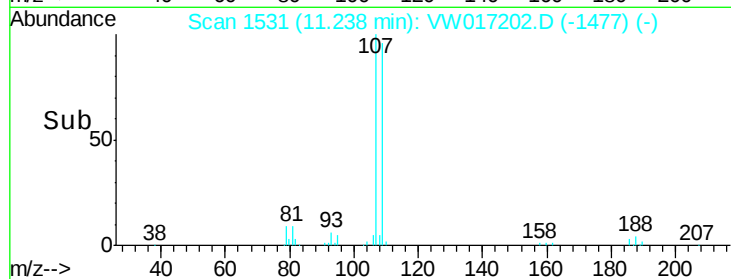
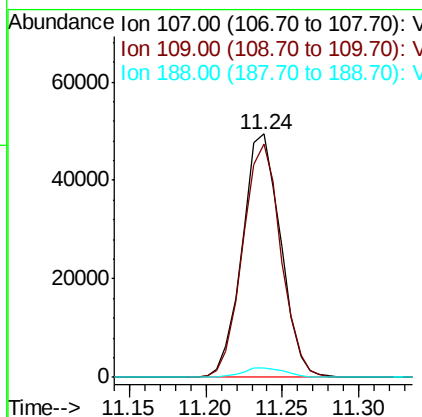
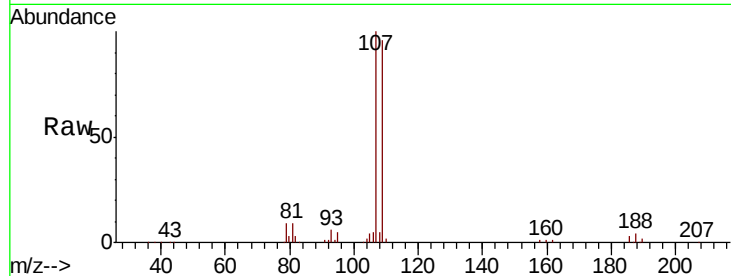




#51
 1,2-Dibromoethane
 Concen: 23.028 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

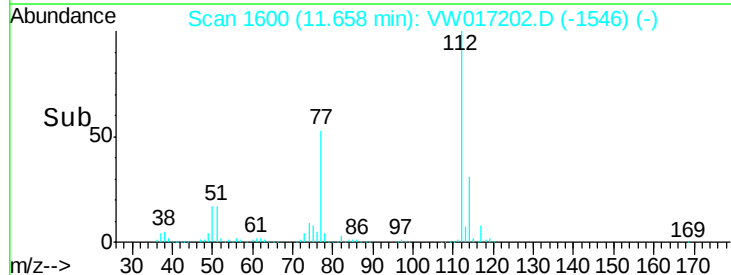
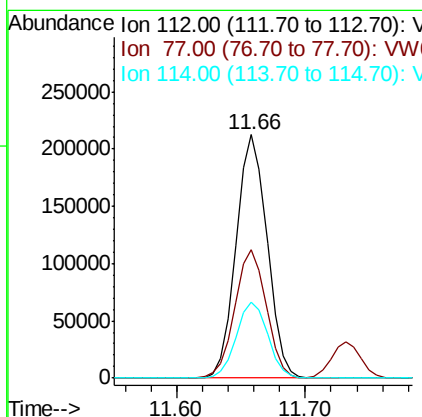
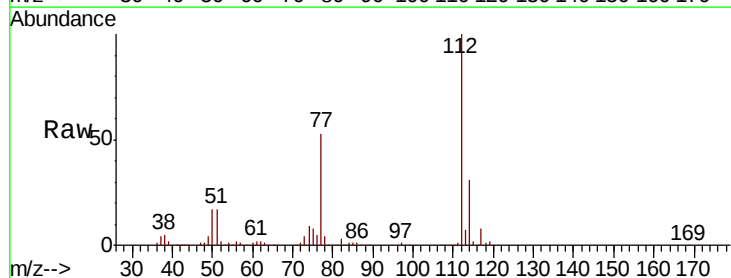
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB06

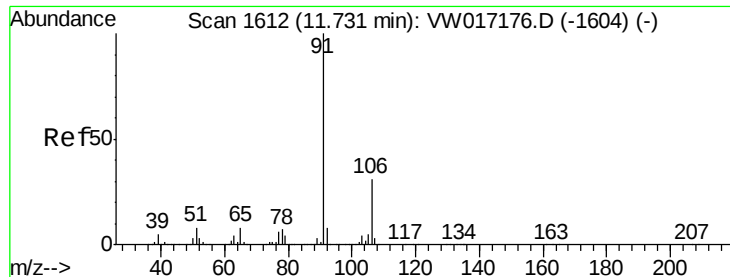
Tot Ion	107	Resp	86638
Ion Ratio	Lower	Upper	
107	100		
109	96.1	64.3	119.5
188	3.8	3.3	4.9



#52
 Chlorobenzene
 Concen: 24.797 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Tgt Ion	112	Resp	354725
Ion Ratio	Lower	Upper	
112	100		
77	52.9	41.7	62.5
114	31.0	22.3	41.3

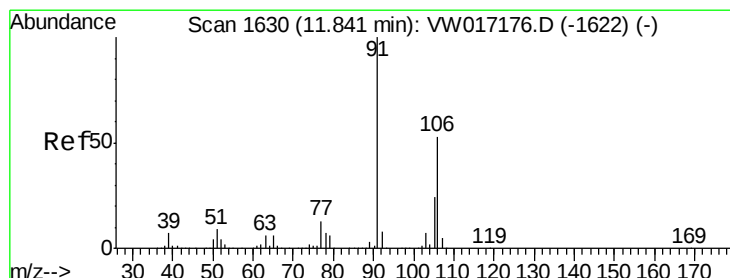
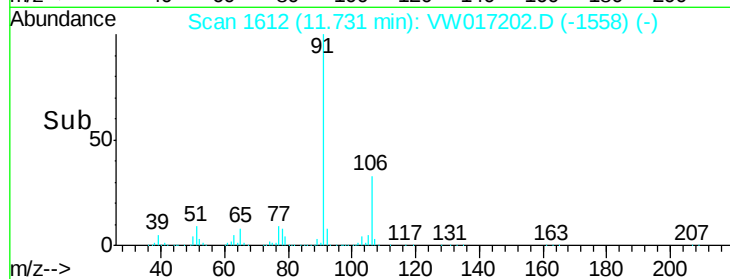
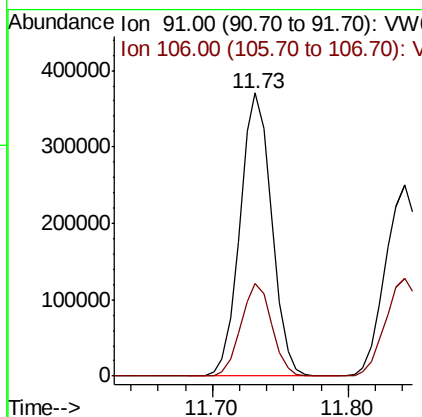
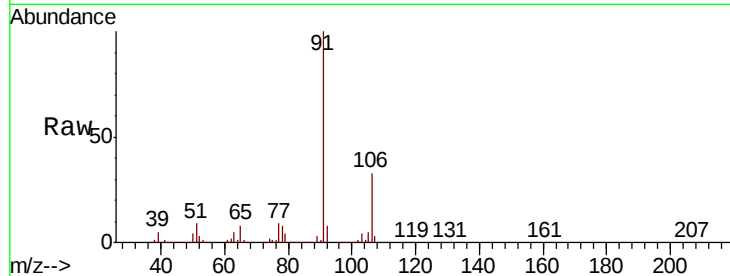




#53
Ethylbenzene
Concen: 25.427 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

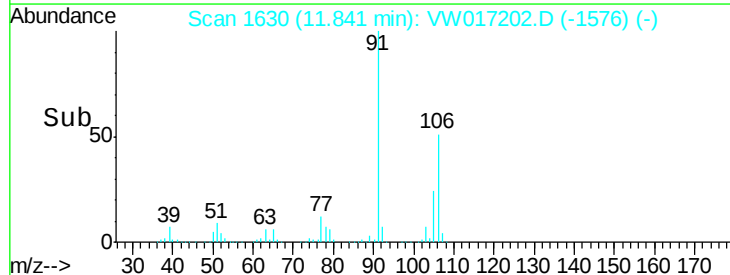
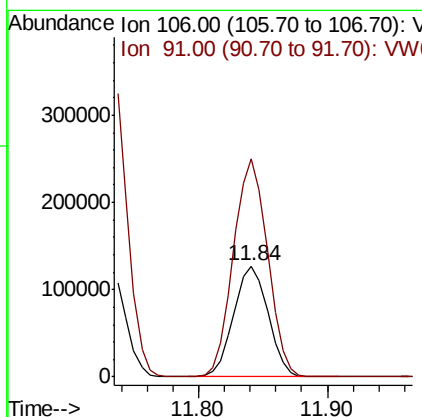
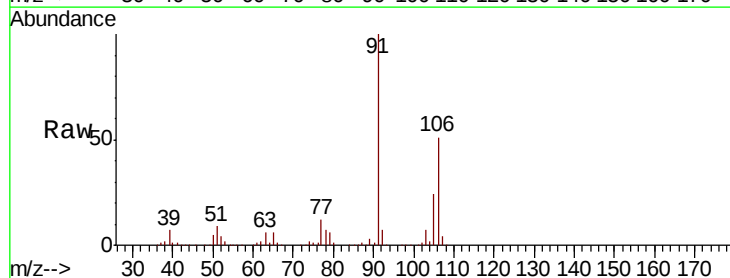
Instrument :
MSVOA_W
ClientSampleId :
BFB06

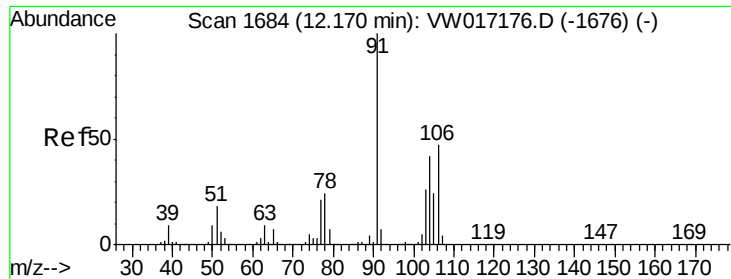
Tot Ion: 91 Resp: 600693
Ion Ratio Lower Upper
91 100
106 32.8 22.9 42.5



#54
m,p-Xylene
Concen: 25.617 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 106 Resp: 236725
Ion Ratio Lower Upper
106 100
91 196.4 138.7 257.5

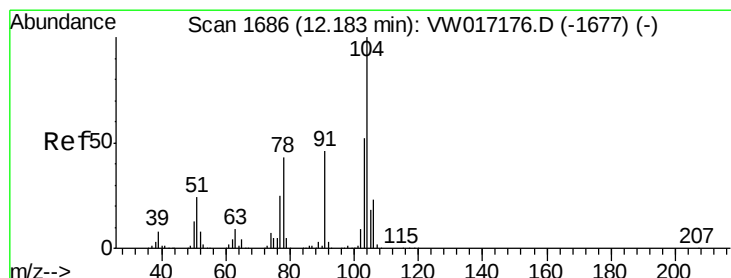
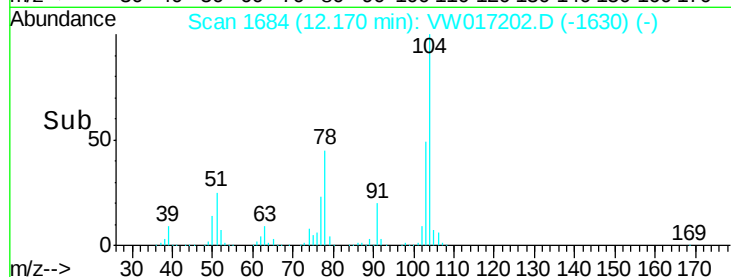
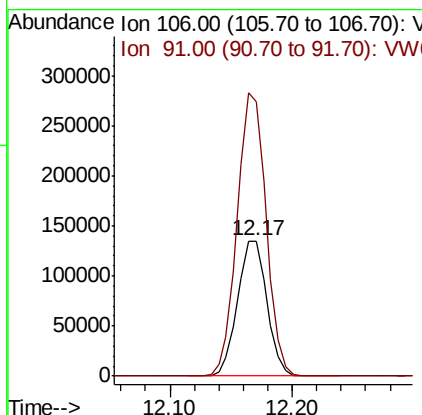
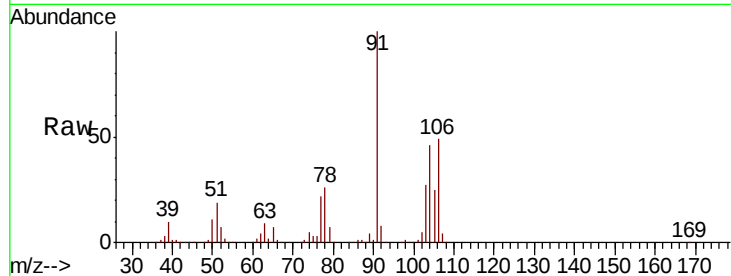




#55
o-xylene
Concen: 25.543 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

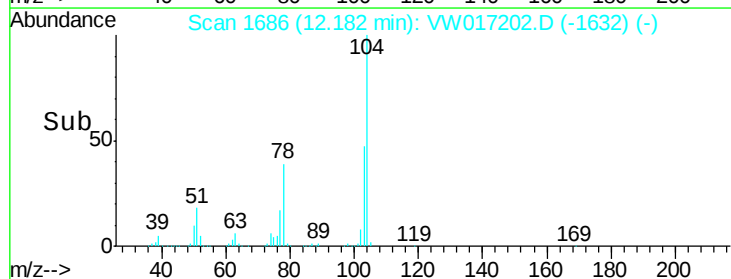
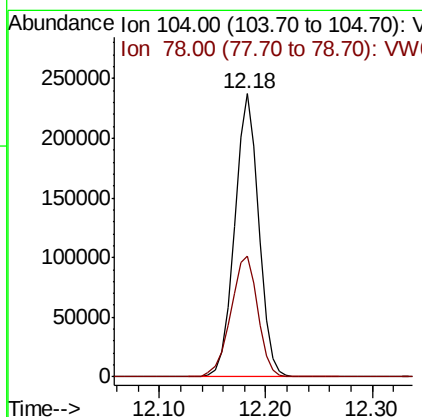
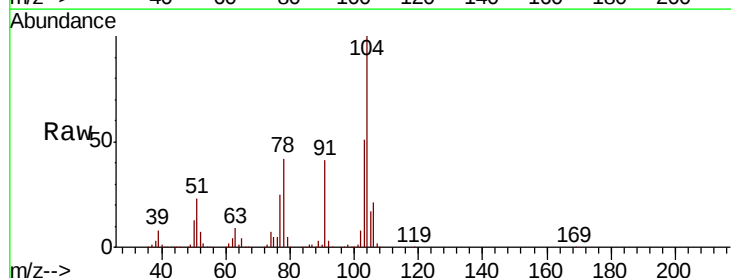
Instrument :
MSVOA_W
ClientSampled :
BFB06

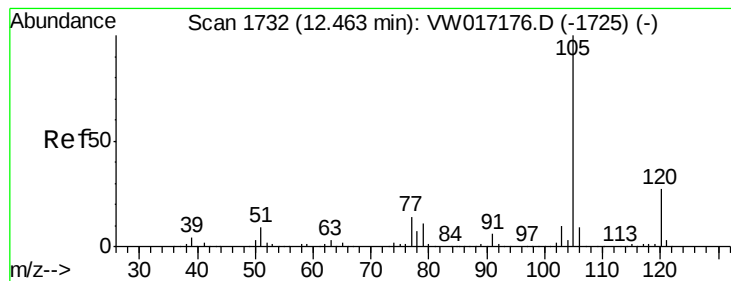
Tot Ion:106 Resp: 224047
Ion Ratio Lower Upper
106 100
91 203.1 140.8 261.4



#56
Styrene
Concen: 25.559 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion:104 Resp: 376405
Ion Ratio Lower Upper
104 100
78 42.5 28.2 52.4





#57

Isopropylbenzene

Concen: 26.619 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

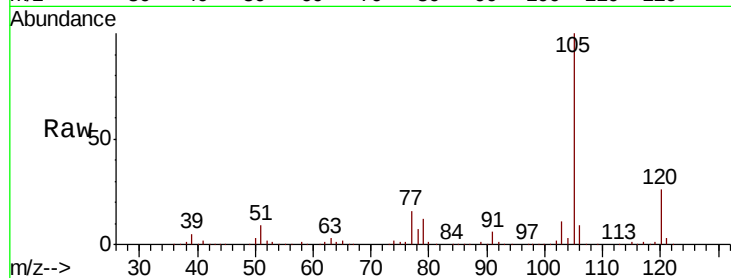
Tot Ion:105 Resp: 633663

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

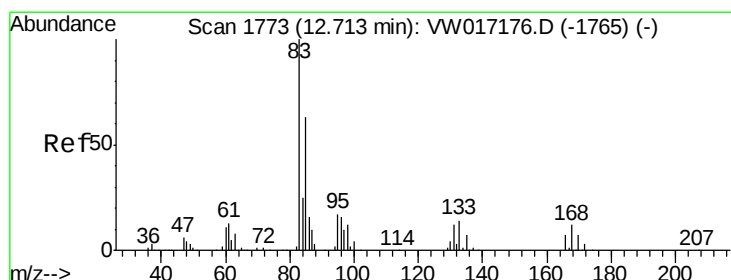
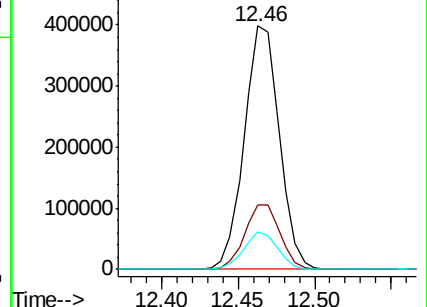
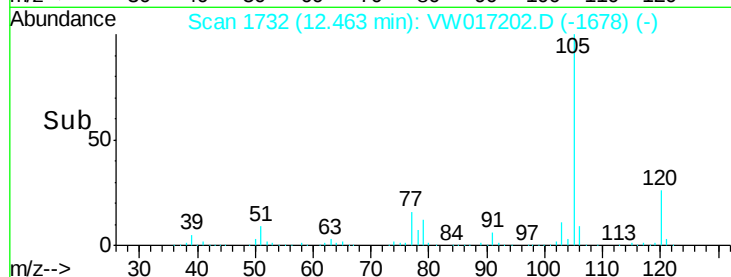
77 14.8 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.497 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

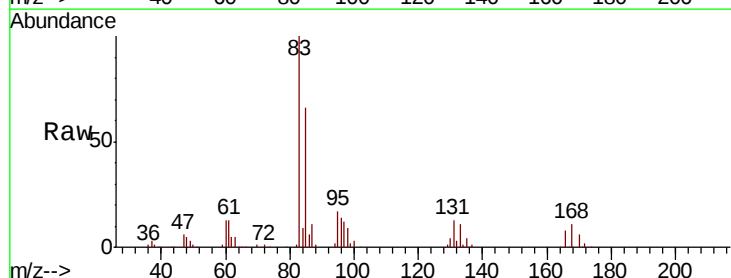
Tgt Ion: 83 Resp: 96174

Ion Ratio Lower Upper

83 100

85 66.2 44.9 83.5

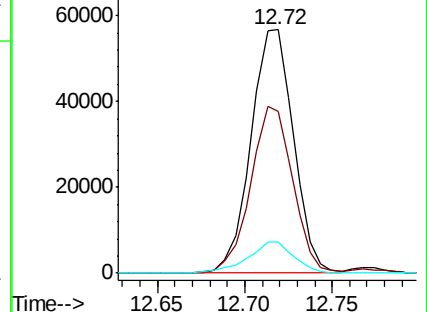
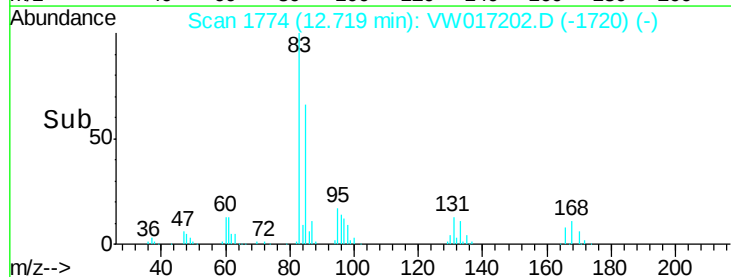
131 12.7 8.8 13.2

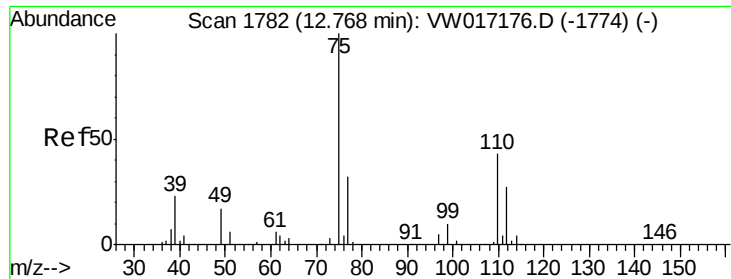


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.698 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

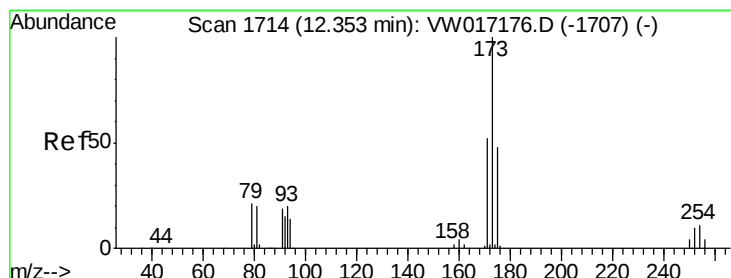
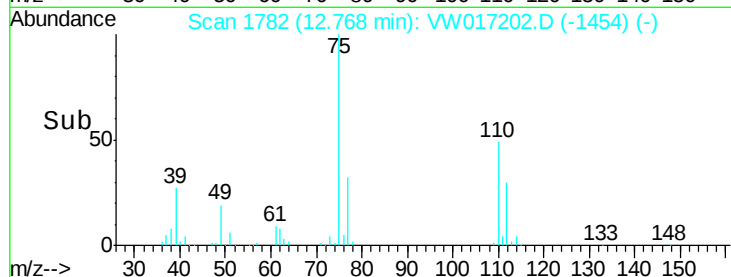
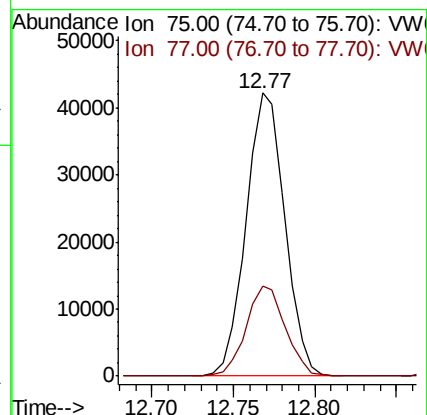
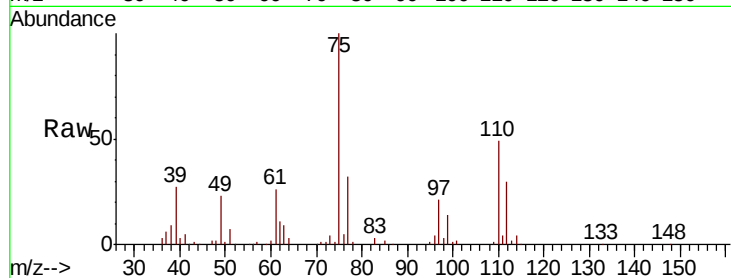
BFB06

Tot Ion: 75 Resp: 69773

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6



#62

Bromoform

Concen: 23.962 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

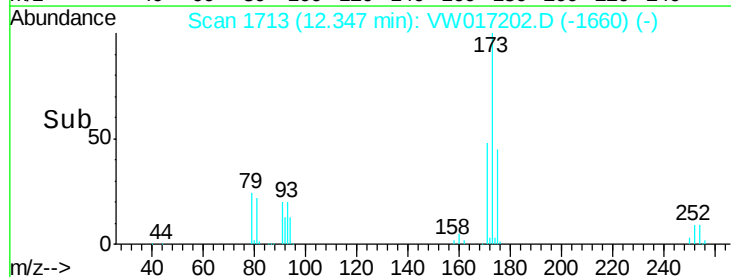
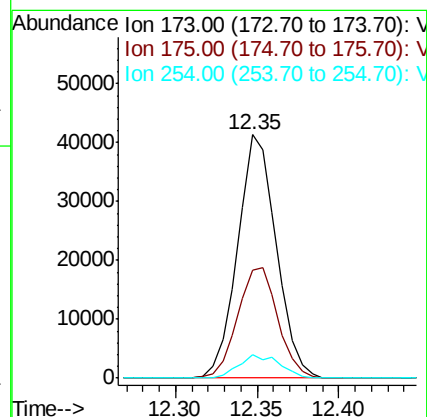
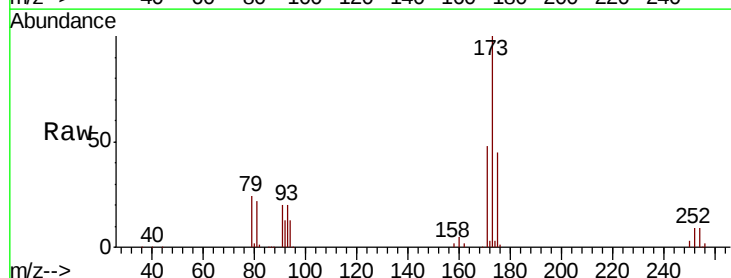
Tgt Ion: 173 Resp: 68235

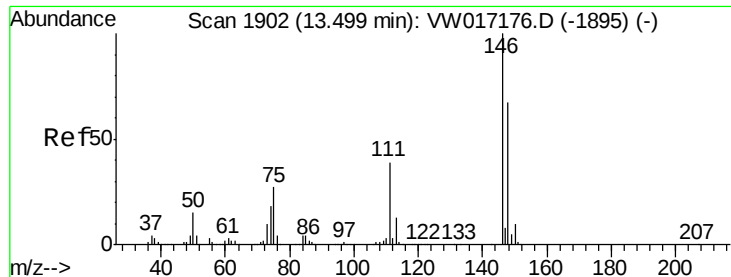
Ion Ratio Lower Upper

173 100

175 47.2 38.3 57.5

254 10.1 8.1 12.1

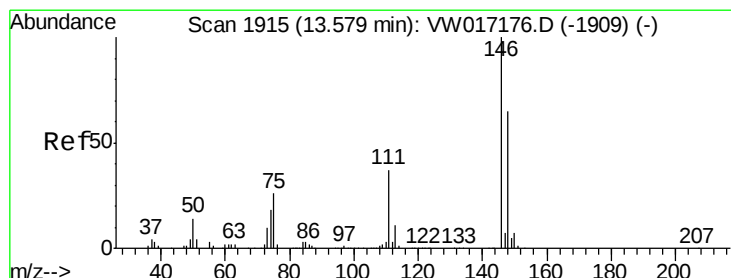
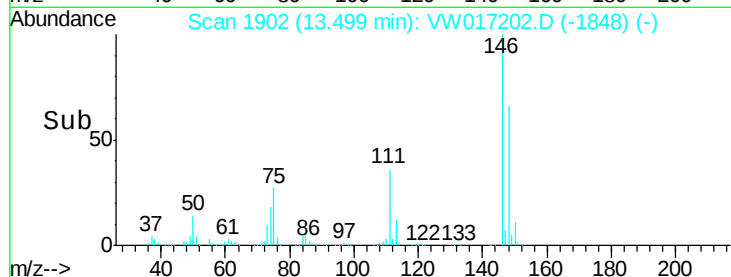
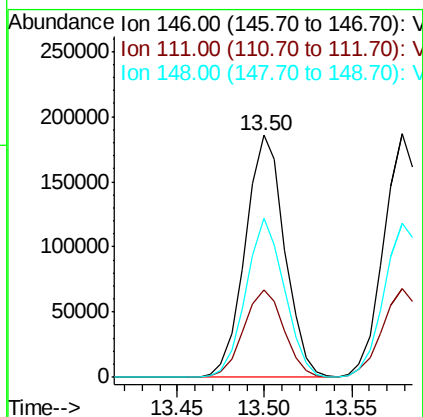
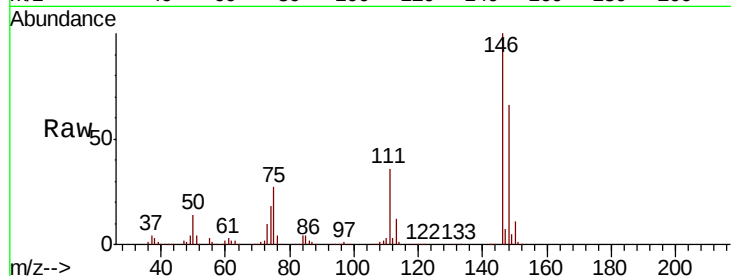




#63
 1,3-Dichlorobenzene
 Concen: 25.243 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

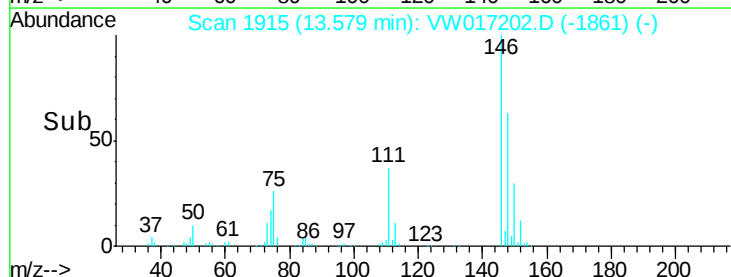
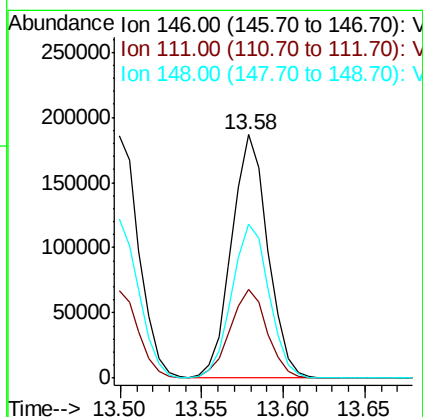
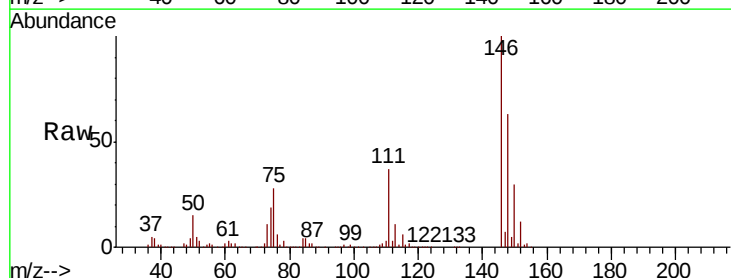
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB06

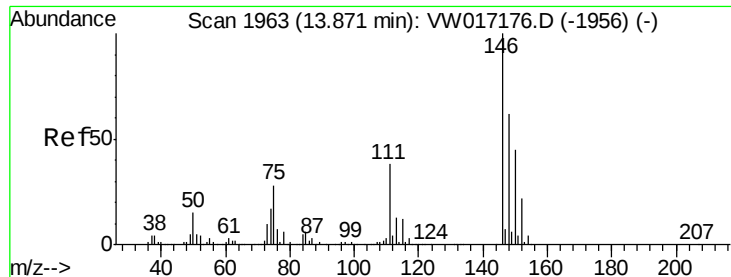
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.4	49.0
148	65.8	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.937 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	24.5	45.5
148	63.4	45.5	84.5

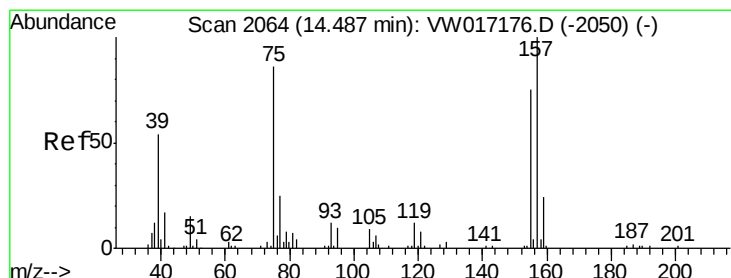
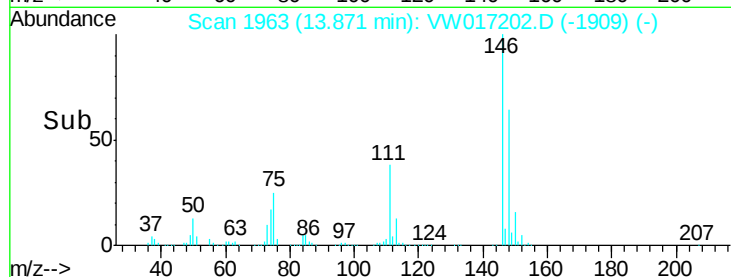
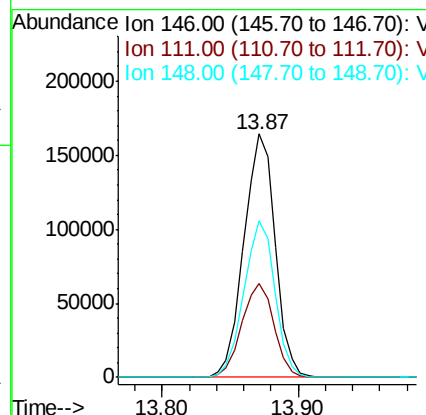
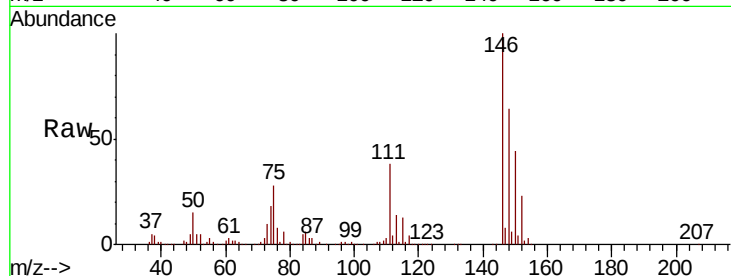




#65
1,2-Dichlorobenzene
Concen: 25.397 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

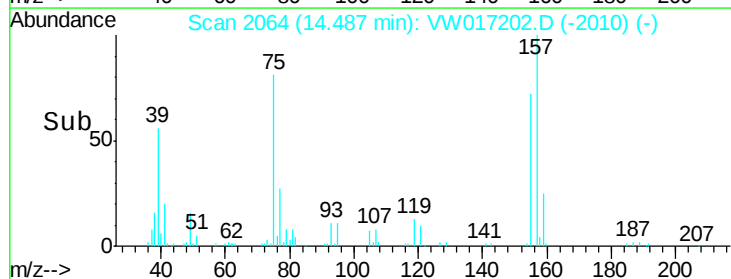
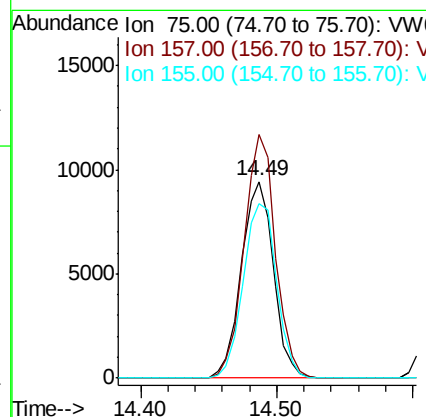
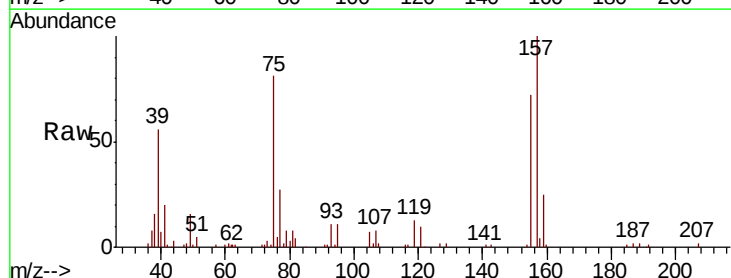
Instrument :
MSVOA_W
ClientSampled :
BFB06

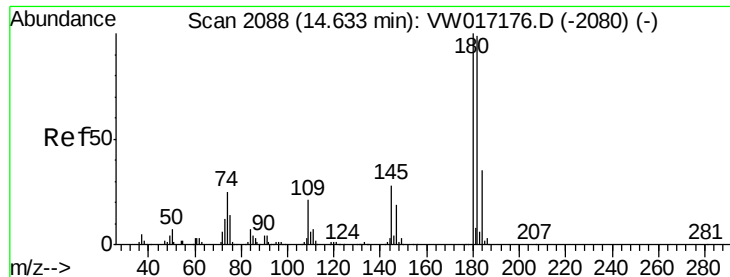
Tot Ion:146 Resp: 264290
Ion Ratio Lower Upper
146 100
111 38.5 30.5 45.7
148 64.4 50.3 75.5



#66
1,2-Dibromo-3-chloropropane
Concen: 22.627 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW017202.D
Acq: 13 Nov 2020 09:54

Tgt Ion: 75 Resp: 15568
Ion Ratio Lower Upper
75 100
157 124.1 108.2 162.4
155 88.7 79.1 118.7

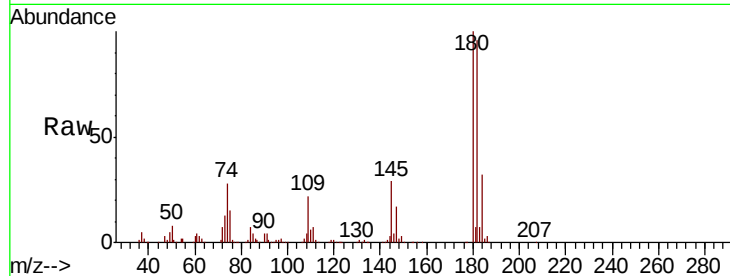




#67
 1,3,5-Trichlorobenzene
 Concen: 26.534 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB06

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
184	31.3	24.2	36.4
145	28.2	23.5	35.3



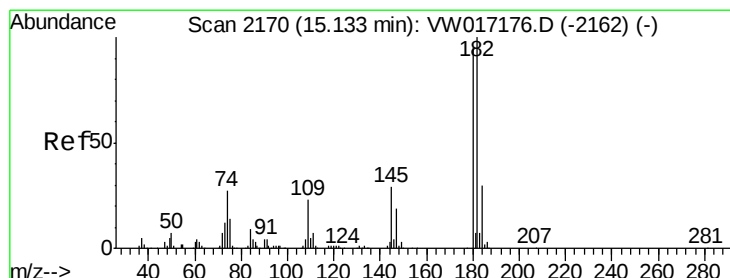
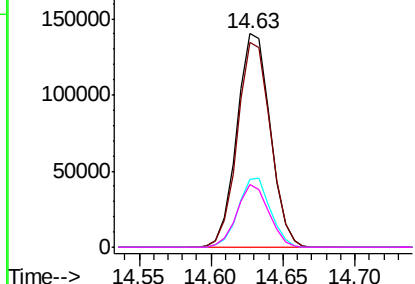
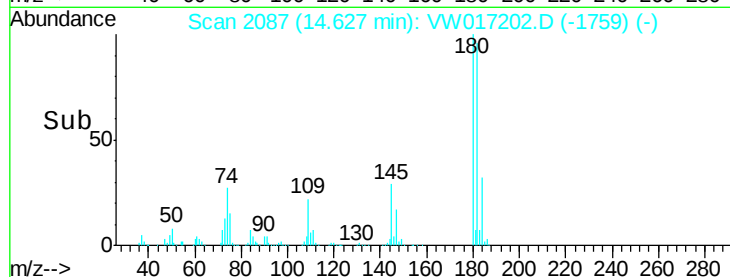
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

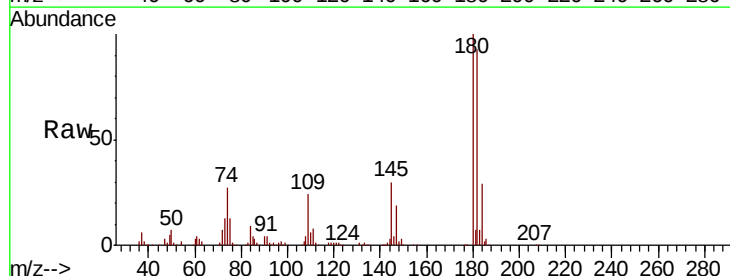
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.543 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017202.D
 Acq: 13 Nov 2020 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.7	115.1
145	29.1	23.6	35.4

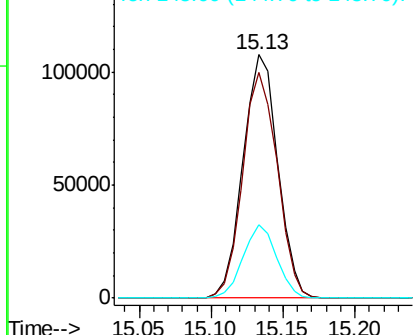
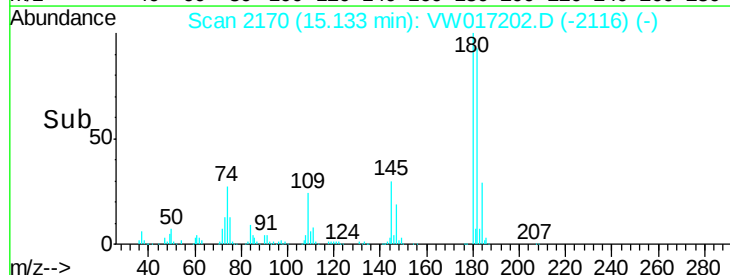


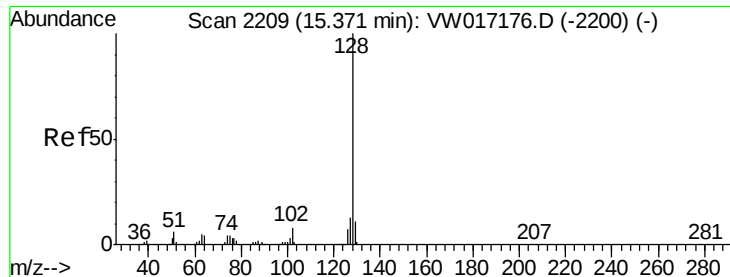
Abundance

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: 24.184 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB06

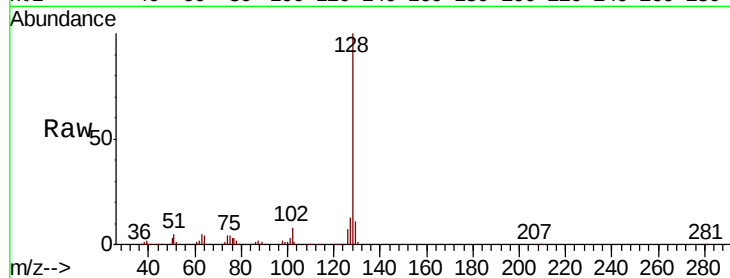
Tot Ion:128 Resp: 302016

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

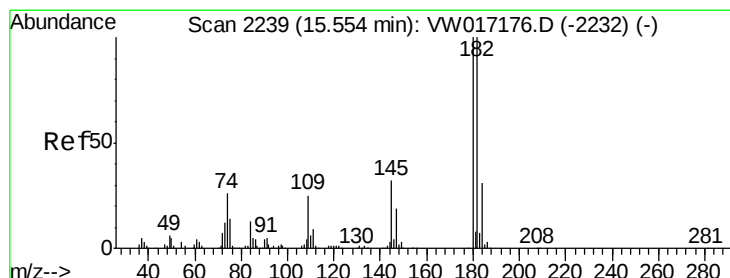
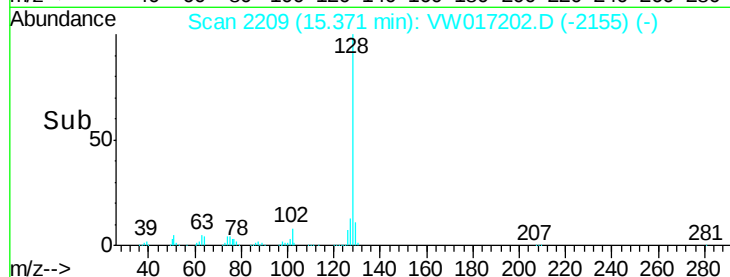
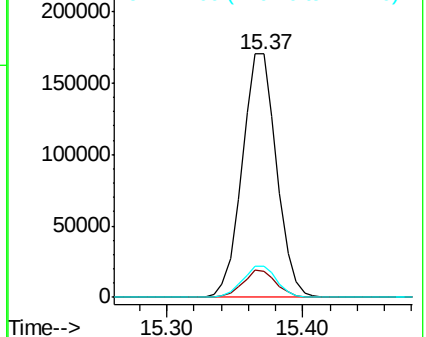
127 12.8 10.2 15.2



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: 25.000 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017202.D

Acq: 13 Nov 2020 09:54

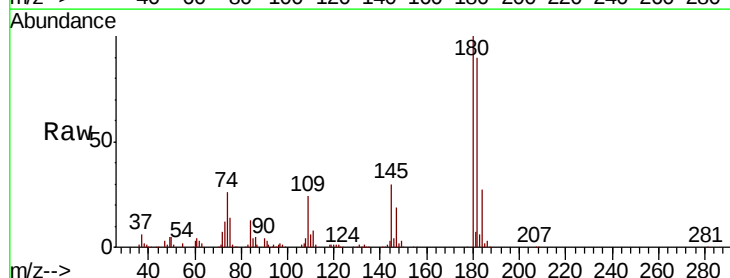
Tgt Ion:180 Resp: 155010

Ion Ratio Lower Upper

180 100

182 94.6 75.5 113.3

145 30.9 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

