

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070620\
 Data File : VW015782.D
 Acq On : 06 Jul 2020 11:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

Quant Time: Jul 07 00:21:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 06 12:28:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	327183	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298353	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	146069	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101007	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	2.90	69	86241	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
10) 1,1-Dichloroethene-d2	4.02	63	207687	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.08%
20) 2-Butanone-d5	7.08	46	58187	51.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.82%
24) Chloroform-d	7.65	84	199956	21.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.68%
26) 1,2-Dichloroethane-d4	8.31	65	115151	22.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.80%
29) Benzene-d6	8.27	84	380304	21.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.52%
33) 1,2-Dichloropropane-d6	9.27	67	113875	21.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.48%
37) Toluene-d8	10.32	98	354427	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.64%
38) trans-1,3-Dichloropropene-	10.58	79	52328	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.72%
39) 2-Hexanone-d5	10.93	63	43155	50.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97829	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	121502	21.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	73809	23.926	ug/L 98
3) Chloromethane	2.21	50	77865	23.455	ug/L 99
5) Vinyl chloride	2.37	62	137844	27.723	ug/L 99
6) Bromomethane	2.79	94	86091	26.132	ug/L 100
8) Chloroethane	2.93	64	85292	27.494	ug/L 96
9) Trichlorofluoromethane	3.26	101	97543	26.827	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	111563	28.301	ug/L 98
12) 1,1-Dichloroethene	4.04	96	105783	27.798	ug/L 85
13) Acetone	4.13	43	63745	67.864	ug/L 96
14) Carbon disulfide	4.39	76	332186	28.111	ug/L 99
15) Methyl Acetate	4.67	43	51599	30.663	ug/L 98
16) Methylene chloride	4.92	84	114617	23.875	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	166416	28.541	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	112804	27.614	ug/L 96
19) 1,1-Dichloroethane	6.22	63	207322	28.148	ug/L 99
21) 2-Butanone	7.18	43	75421	64.951	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	118446	28.049	ug/L 95

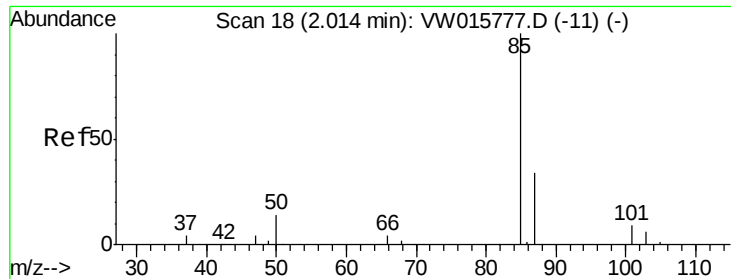
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070620\
 Data File : VW015782.D
 Acq On : 06 Jul 2020 11:38
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 Quant Title : VOC Analysis
 QLast Update : Mon Jul 06 12:28:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52844	28.410	ug/L	94
25) Chloroform	7.68	83	211420	28.418	ug/L	100
27) 1,2-Dichloroethane	8.40	62	149105	28.986	ug/L	100
30) Cyclohexane	7.96	56	193187	28.710	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	185338	28.701	ug/L	99
32) Carbon tetrachloride	8.07	117	168305	28.838	ug/L	98
34) Benzene	8.32	78	460638	28.113	ug/L	100
35) Trichloroethene	9.09	95	121553	27.819	ug/L	99
36) Methylcyclohexane	9.34	83	215581	28.606	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114245	28.647	ug/L	99
41) Bromodichloromethane	9.65	83	152357	29.404	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	179262	28.796	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	145742	62.638	ug/L	100
44) Toluene	10.39	91	501055	28.147	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	161339	29.776	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	85223	29.602	ug/L	99
47) Tetrachloroethene	10.87	164	96660	27.530	ug/L	97
49) 2-Hexanone	10.97	43	105788	64.543	ug/L	98
50) Dibromochloromethane	11.13	129	99680	29.578	ug/L	94
51) 1,2-Dibromoethane	11.24	107	81572	29.230	ug/L	100
52) Chlorobenzene	11.66	112	317467	28.373	ug/L	99
53) Ethylbenzene	11.73	91	582812	28.956	ug/L	99
54) m,p-Xylene	11.84	106	216373	28.762	ug/L	93
55) o-xylene	12.17	106	205685	28.608	ug/L	100
56) Styrene	12.18	104	356173	29.183	ug/L	100
57) Isopropylbenzene	12.47	105	577353	29.072	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	102971	30.057	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	78309	30.266	ug/L	99
62) Bromoform	12.35	173	58394	31.163	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	244071	28.169	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	237378	27.501	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	216847	28.305	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17092	31.149	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	168938	28.431	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	134950	28.146	ug/L	99
69) Naphthalene	15.37	128	260382	29.683	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	117728	28.401	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.926 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

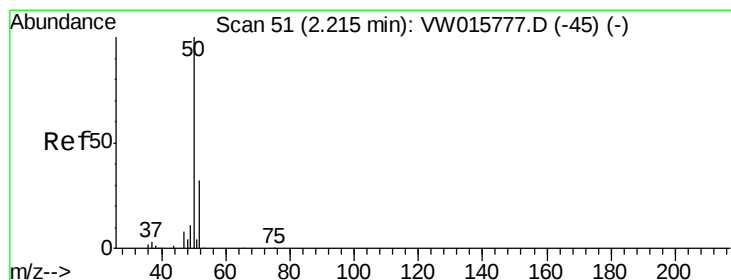
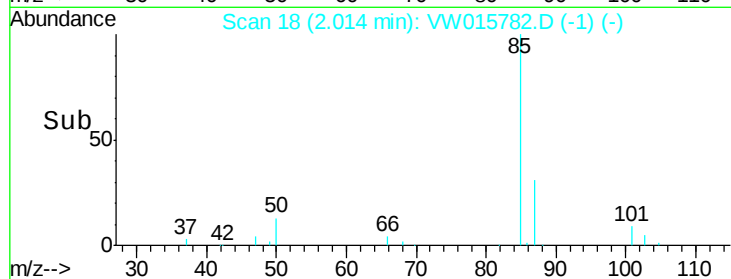
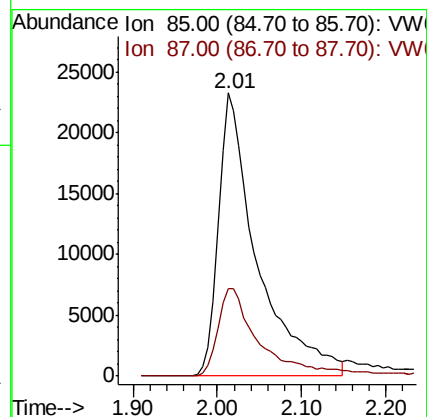
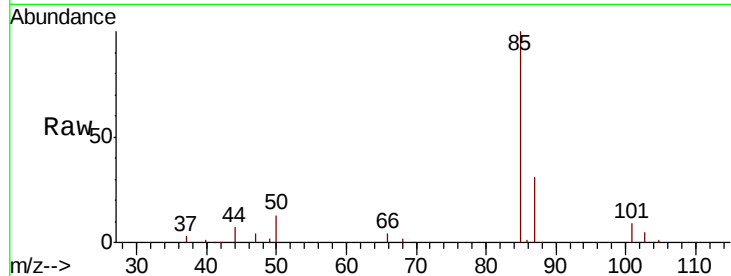
BFB17

Tot Ion: 85 Resp: 73809

Ion Ratio Lower Upper

85 100

87 31.0 21.1 39.1



#3

Chloromethane

Concen: 23.455 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015782.D

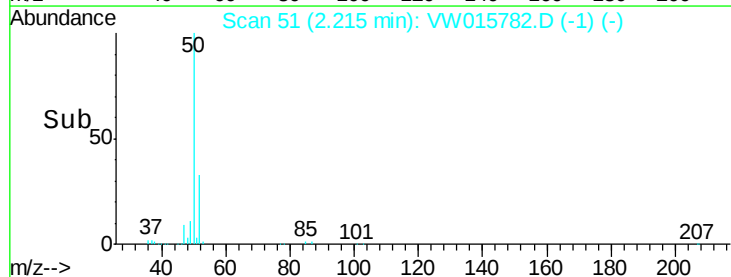
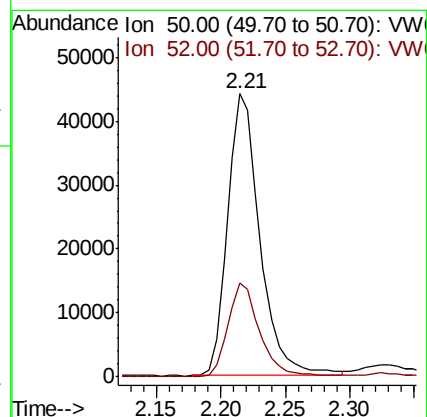
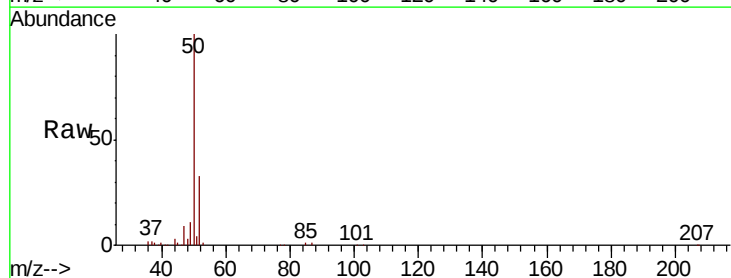
Acq: 06 Jul 2020 11:38

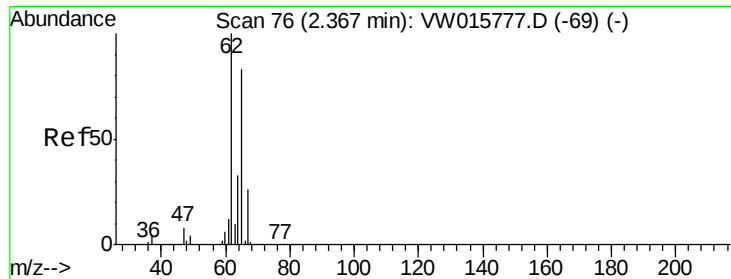
Tgt Ion: 50 Resp: 77865

Ion Ratio Lower Upper

50 100

52 33.3 23.7 44.1





#5

Vinyl chloride

Concen: 27.723 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

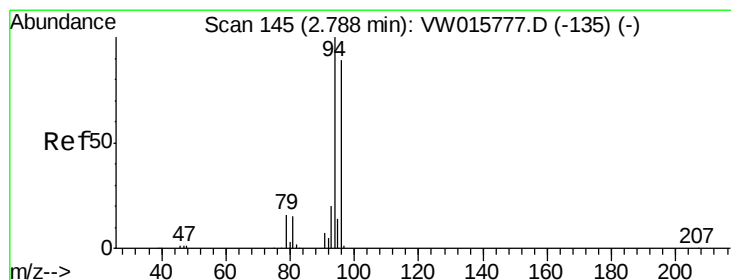
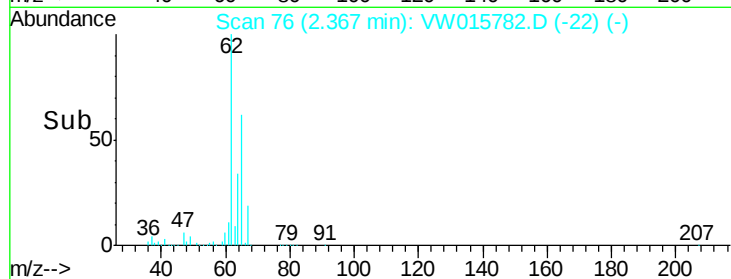
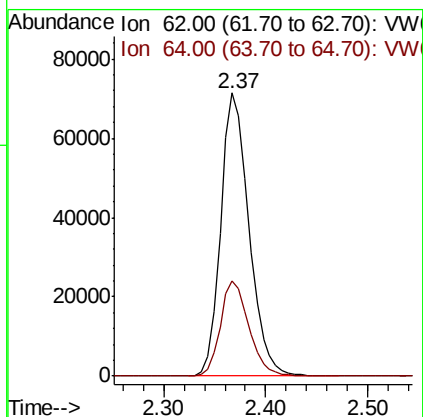
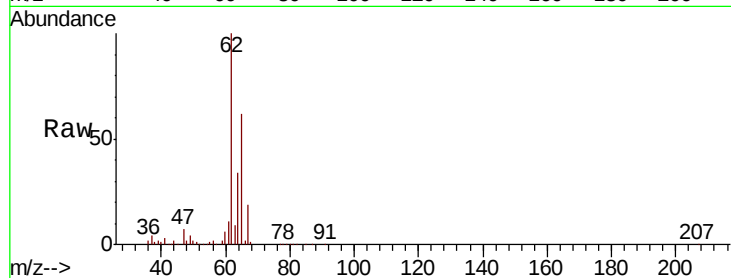
BFB17

Tot Ion: 62 Resp: 137844

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 26.132 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015782.D

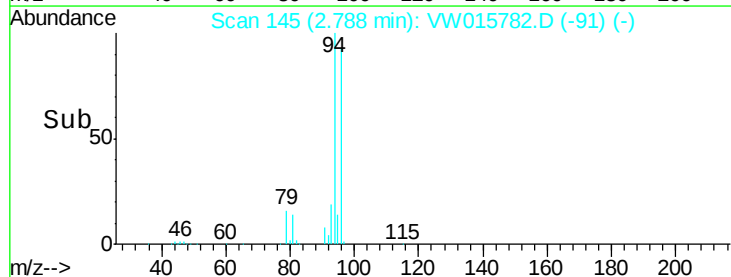
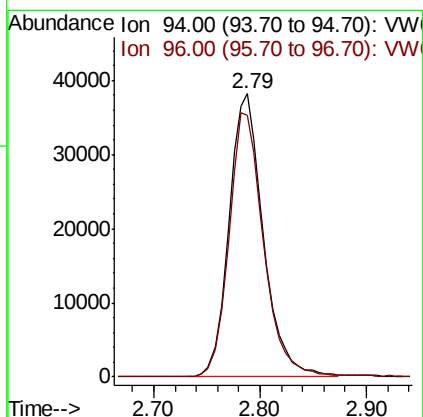
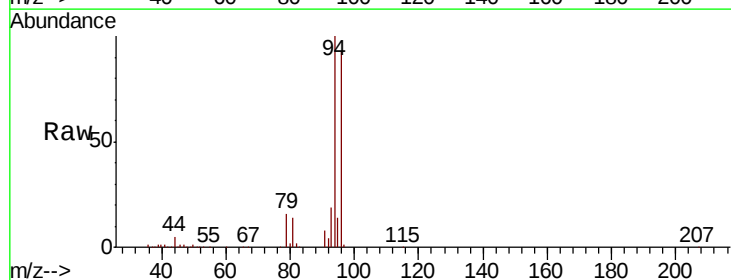
Acq: 06 Jul 2020 11:38

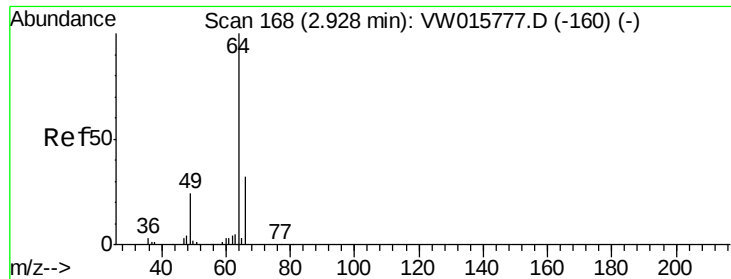
Tgt Ion: 94 Resp: 86091

Ion Ratio Lower Upper

94 100

96 94.0 9.4 179.2





#8

Chloroethane

Concen: 27.494 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

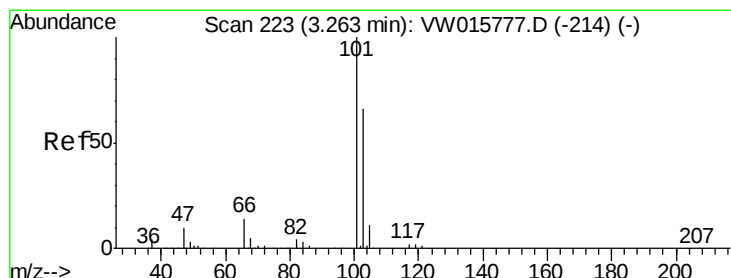
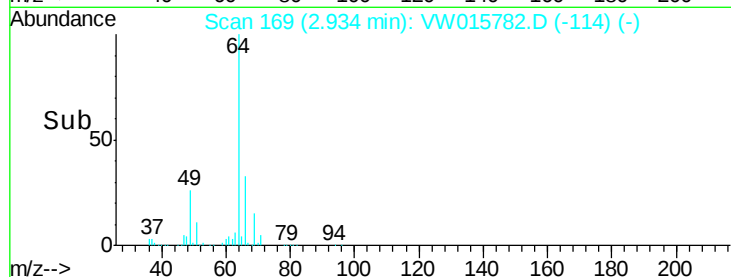
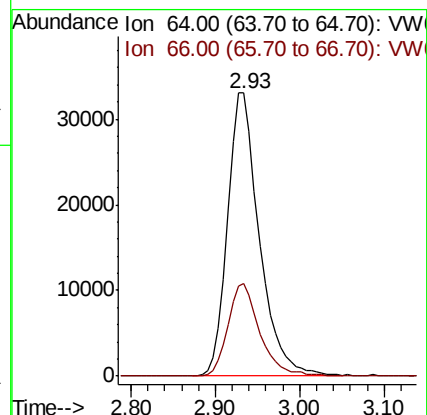
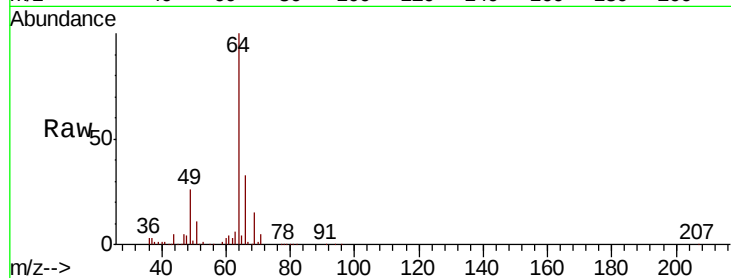
BFB17

Tot Ion: 64 Resp: 85292

Ion Ratio Lower Upper

64 100

66 32.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 26.827 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015782.D

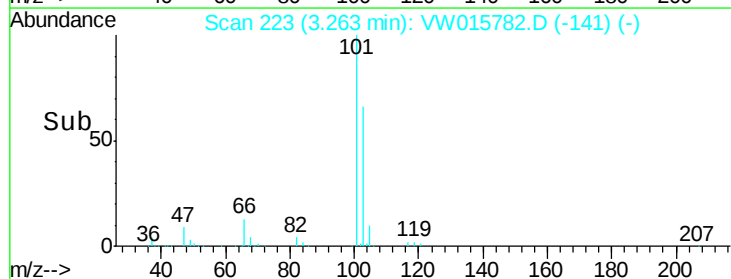
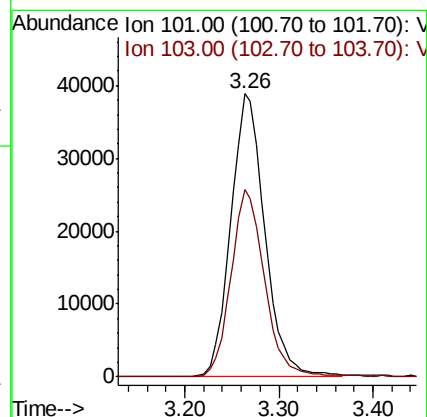
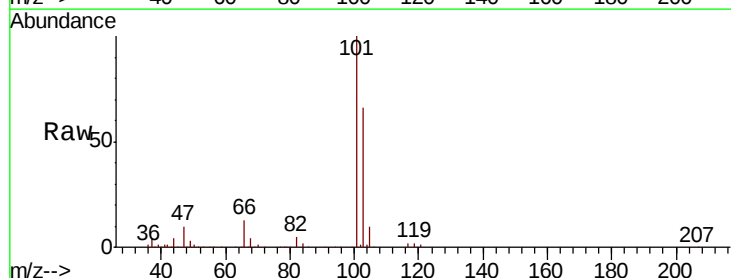
Acq: 06 Jul 2020 11:38

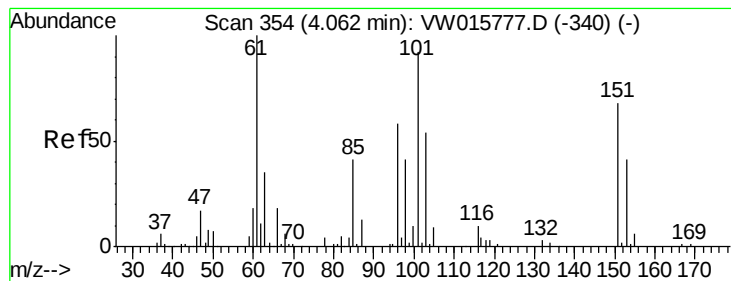
Tgt Ion: 101 Resp: 97543

Ion Ratio Lower Upper

101 100

103 64.9 44.4 82.4





#11

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

Concen: 28.301 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampled :

BFB17

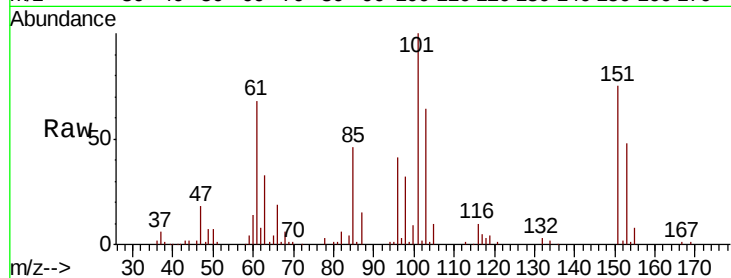
Tot Ion:101 Resp: 111563

Ion Ratio Lower Upper

101 100

85 45.3 34.4 51.6

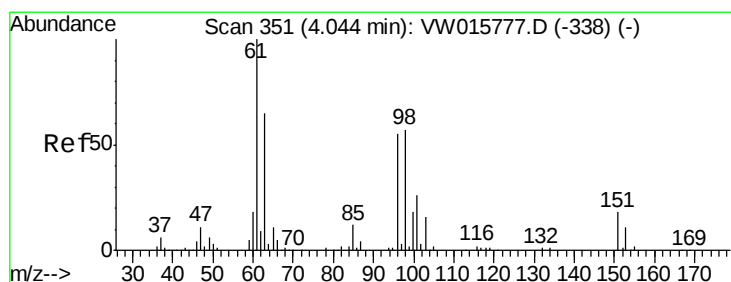
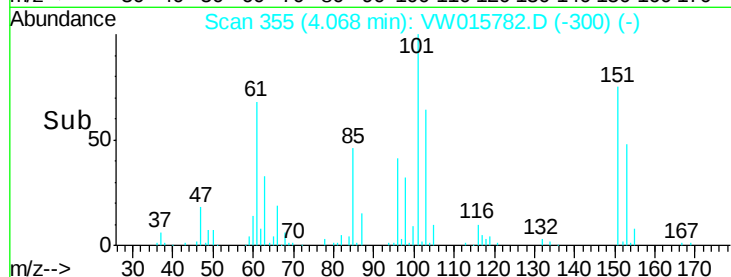
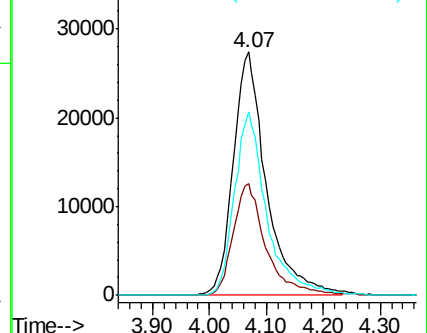
151 71.9 58.6 88.0



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: 27.798 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

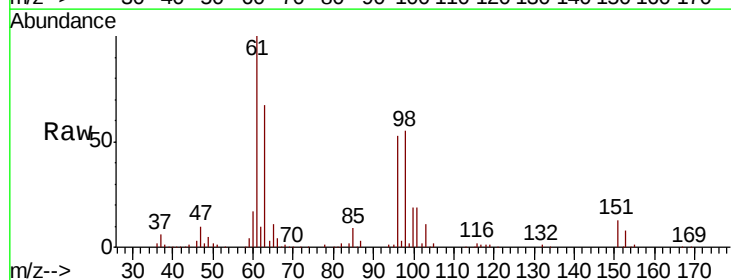
Tgt Ion: 96 Resp: 105783

Ion Ratio Lower Upper

96 100

61 190.2 128.0 237.6

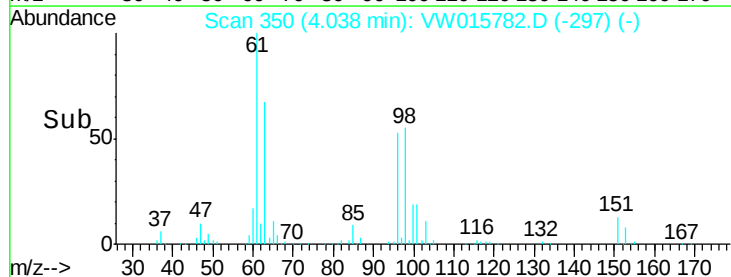
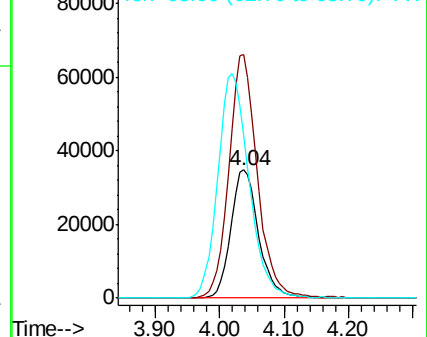
63 127.1 112.3 208.7

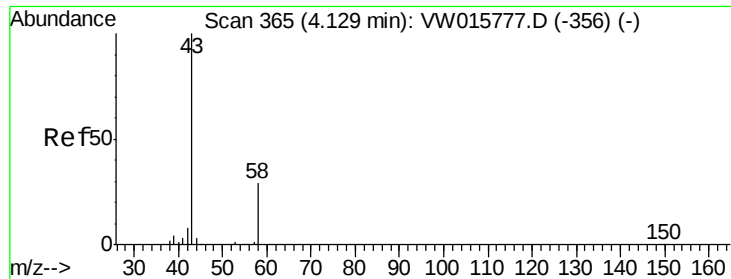


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.864 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampled :

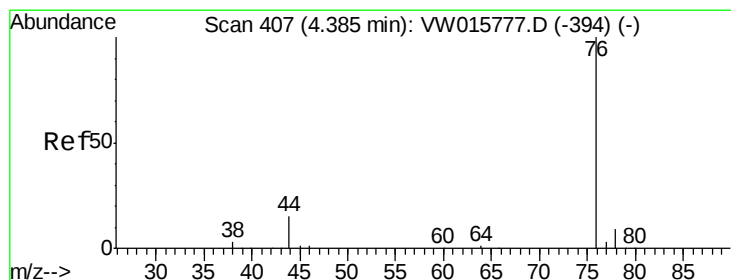
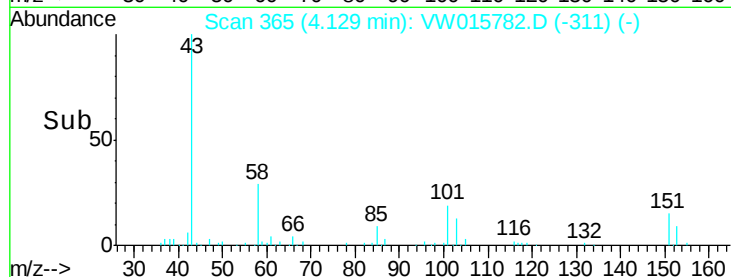
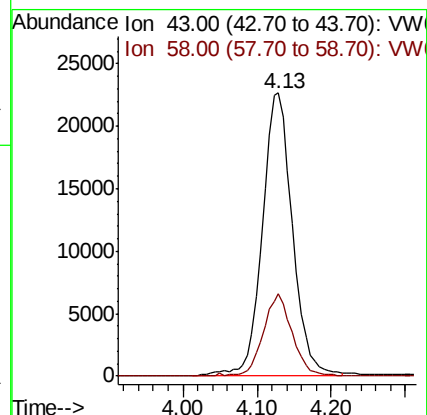
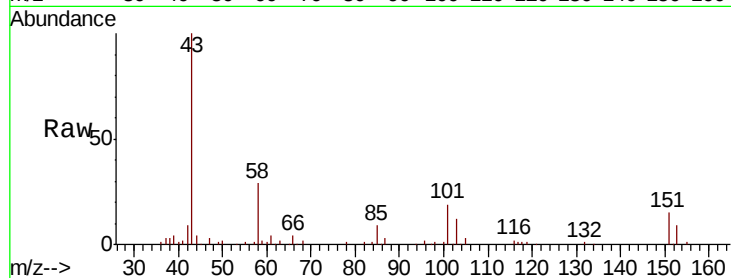
BFB17

Tot Ion: 43 Resp: 63745

Ion Ratio Lower Upper

43 100

58 27.7 0.0 59.4



#14

Carbon disulfide

Concen: 28.111 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015782.D

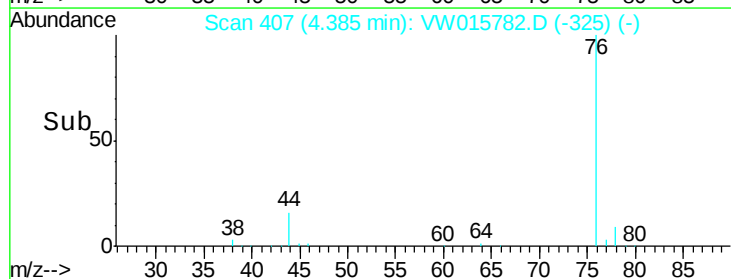
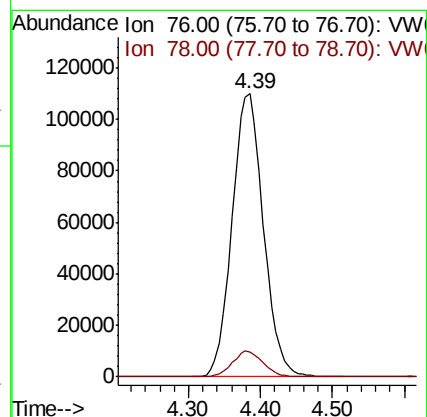
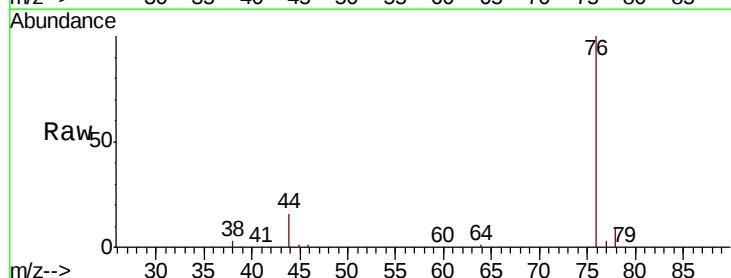
Acq: 06 Jul 2020 11:38

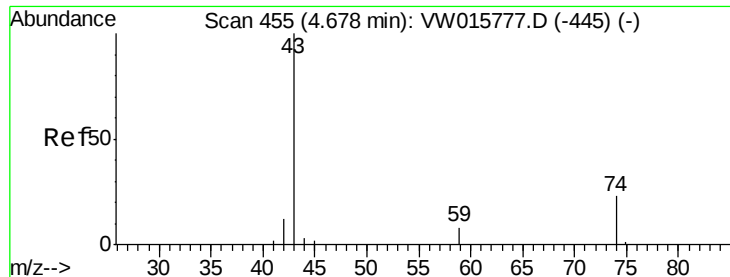
Tgt Ion: 76 Resp: 332186

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3





#15

Methvl Acetate

Concen: 30.663 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

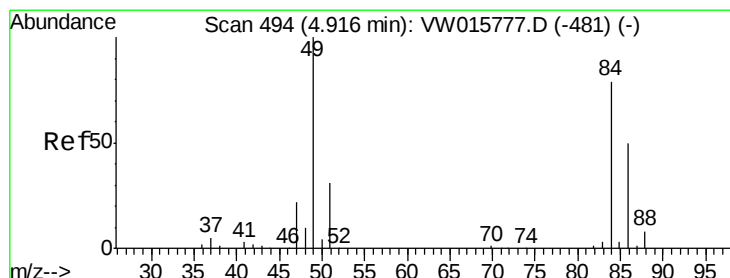
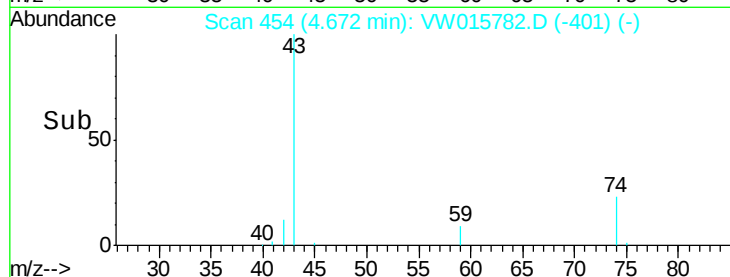
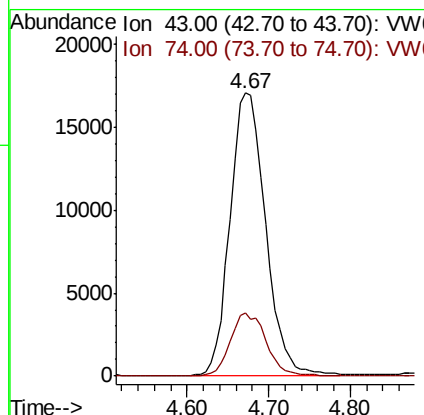
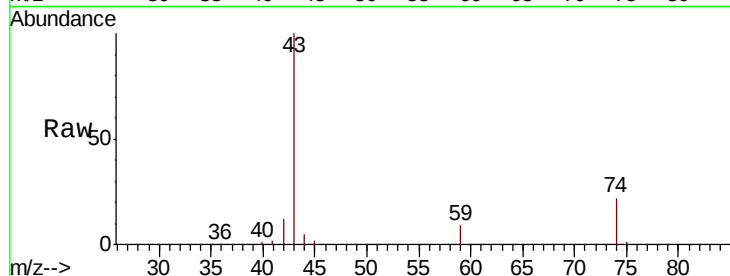
BFB17

Tot Ion: 43 Resp: 51599

Ion Ratio Lower Upper

43 100

74 22.1 18.4 27.6



#16

Methylene chloride

Concen: 23.875 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

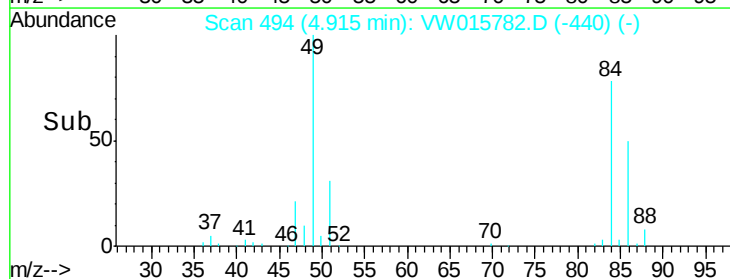
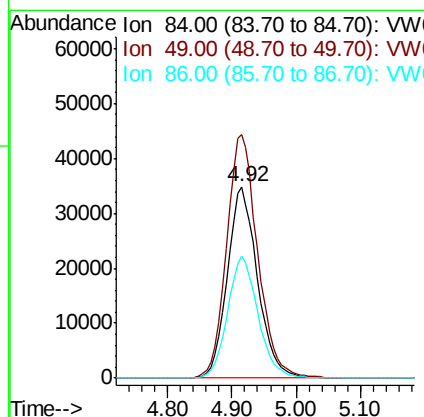
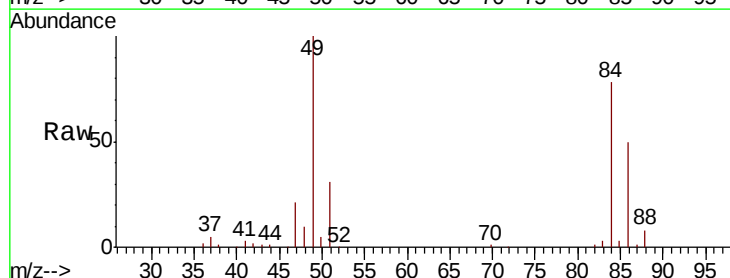
Tgt Ion: 84 Resp: 114617

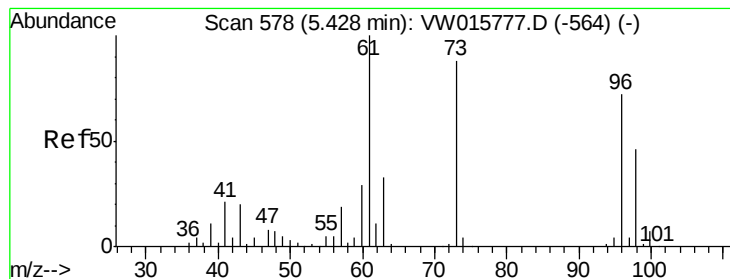
Ion Ratio Lower Upper

84 100

49 127.4 90.0 167.2

86 63.8 44.0 81.8



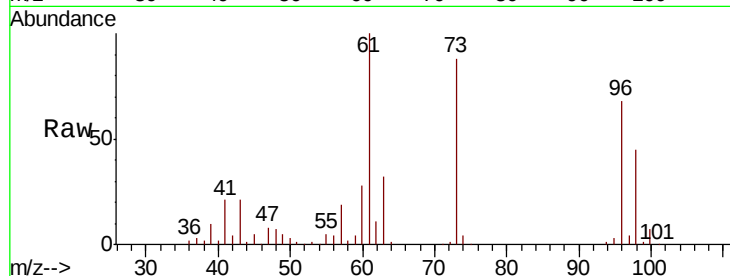


#17

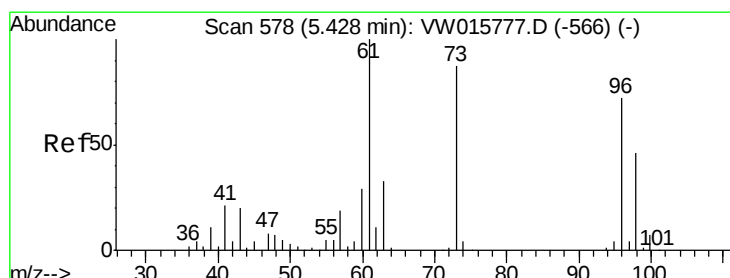
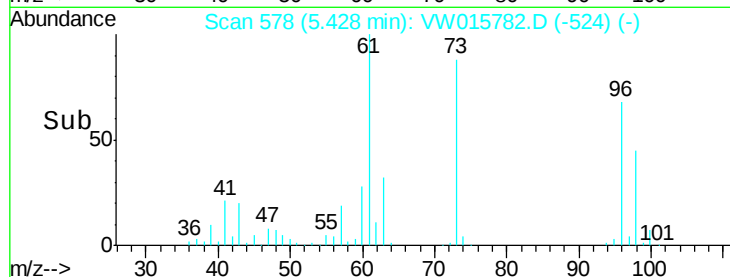
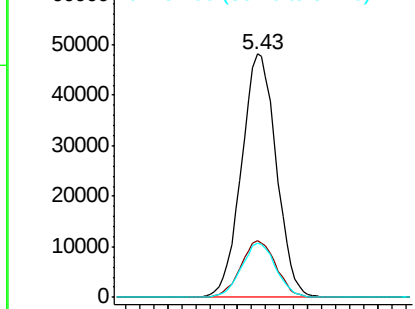
Methyl tert-butyl Ether
 Concen: 28.541 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB17

Tot Ion: 73 Resp: 166416
 Ion Ratio Lower Upper
 73 100
 43 23.9 19.0 28.4
 57 22.0 17.3 25.9



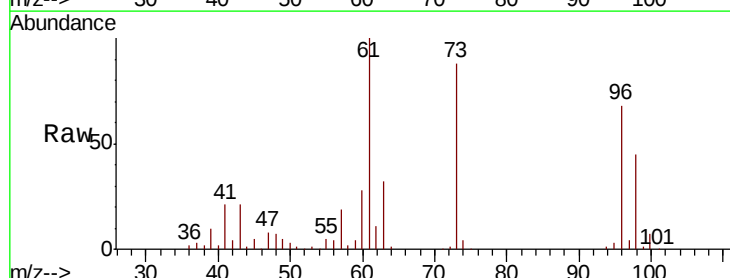
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



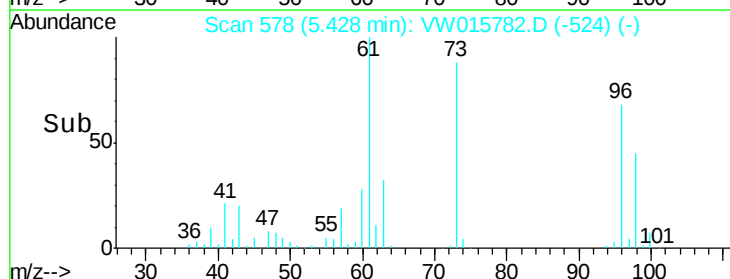
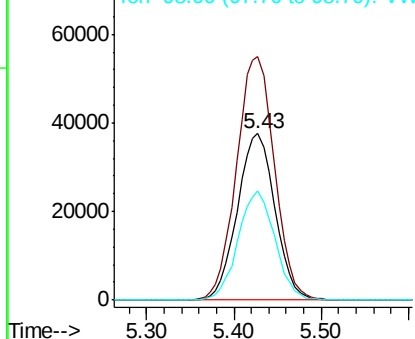
#18

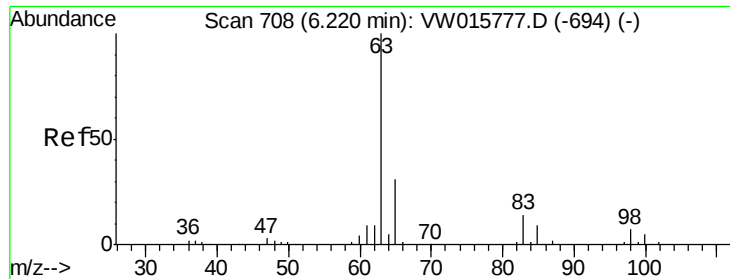
trans-1,2-Dichloroethene
 Concen: 27.614 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion: 96 Resp: 112804
 Ion Ratio Lower Upper
 96 100
 61 146.1 98.5 182.9
 98 65.5 44.4 82.4



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

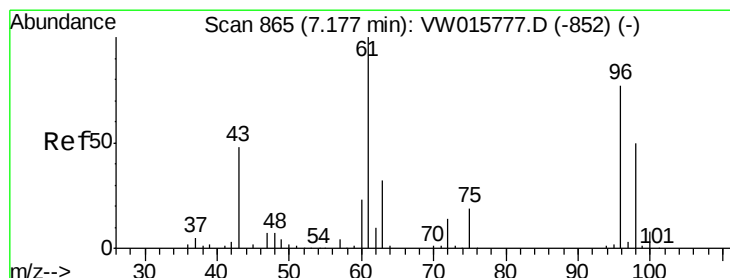
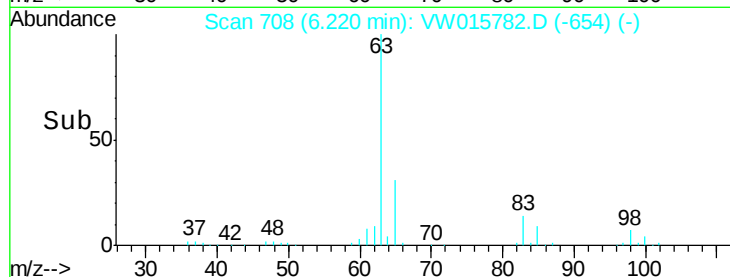
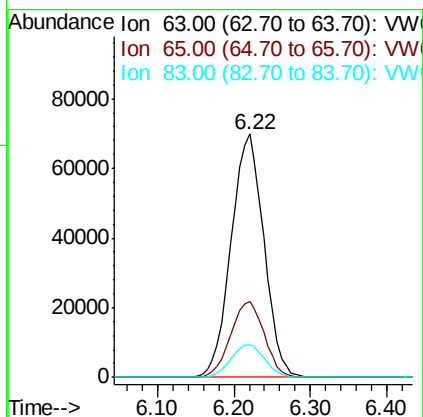
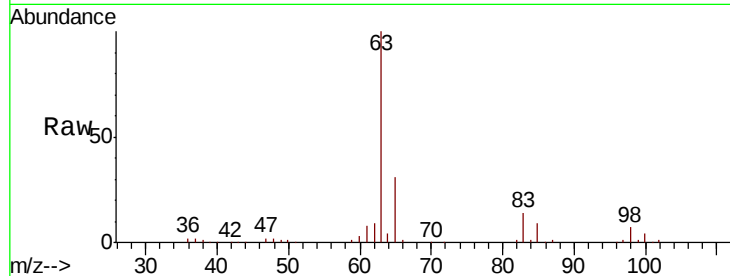




#19
 1,1-Dichloroethane
 Concen: 28.148 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

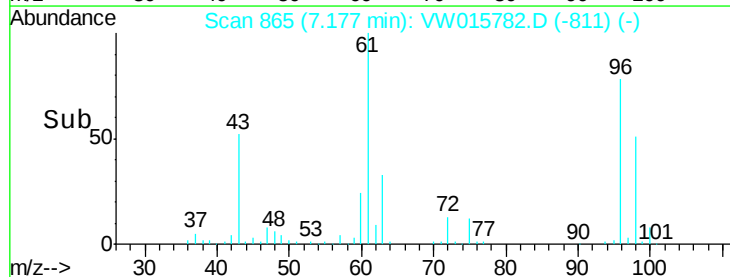
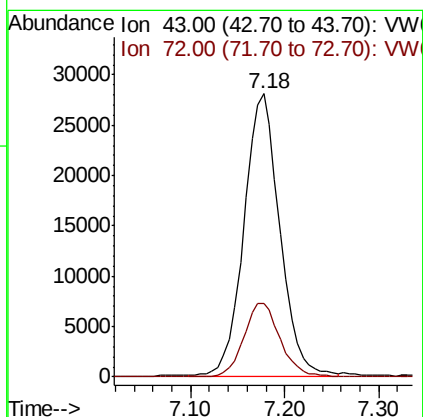
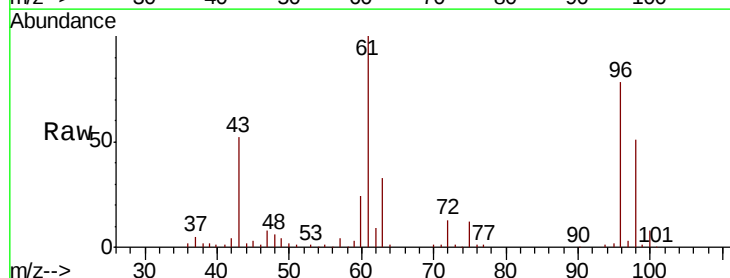
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

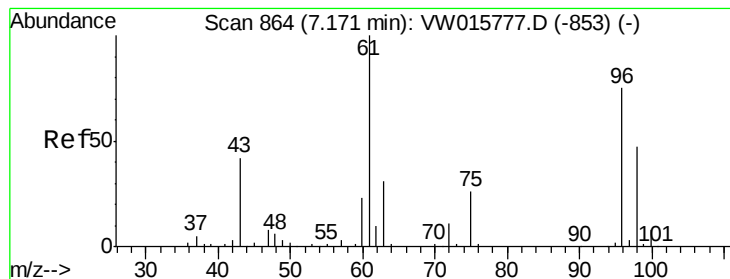
Tot Ion: 63 Resp: 207322
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.3
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 64.951 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion: 43 Resp: 75421
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.7 41.1



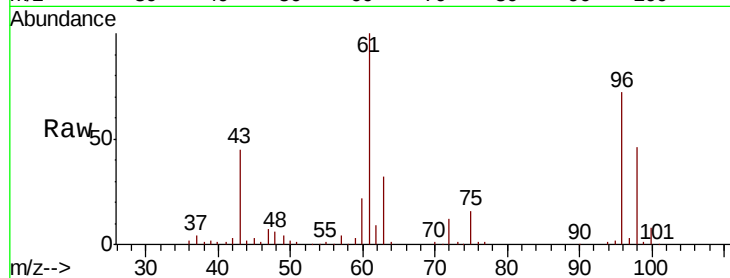


#22

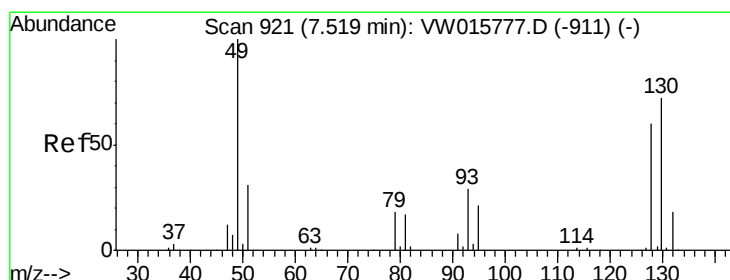
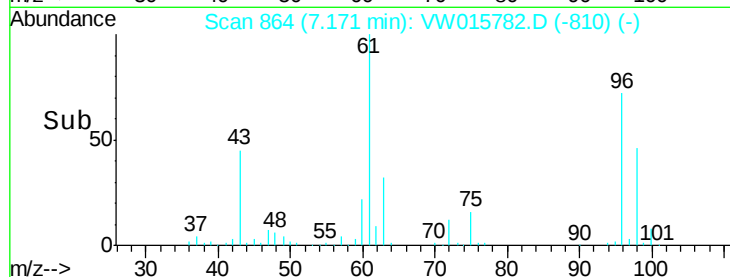
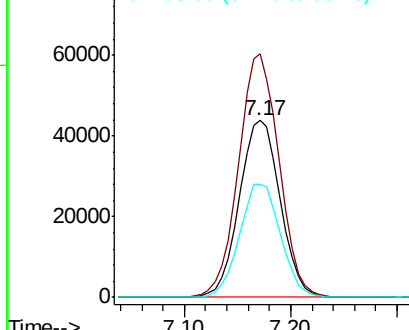
cis-1,2-Dichloroethene
 Concen: 28.049 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB17

Tot Ion: 96 Resp: 118446
 Ion Ratio Lower Upper
 96 100
 61 138.0 90.8 168.6
 98 63.7 44.1 81.9



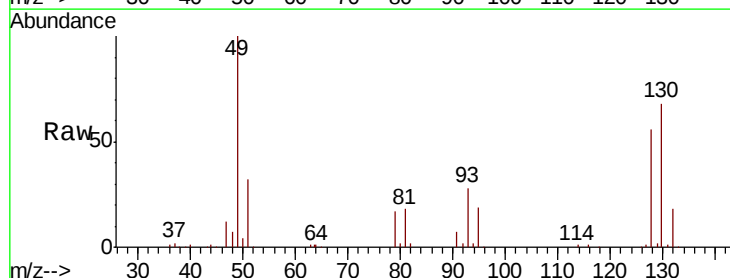
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



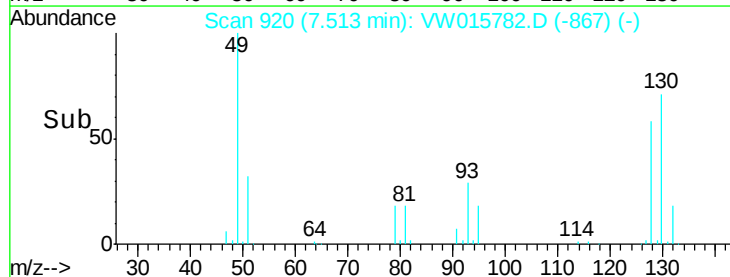
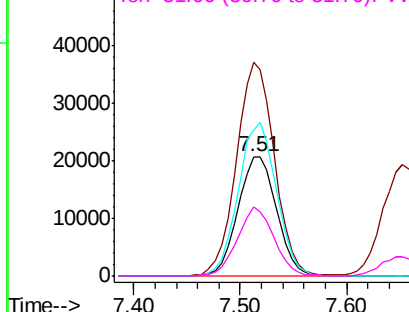
#23

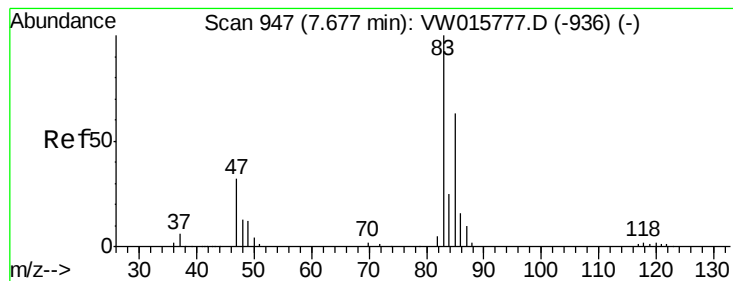
Bromochloromethane
 Concen: 28.410 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion: 128 Resp: 52844
 Ion Ratio Lower Upper
 128 100
 49 178.7 115.0 213.6
 130 122.2 85.1 158.1
 51 57.5 42.6 64.0



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: 28.418 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

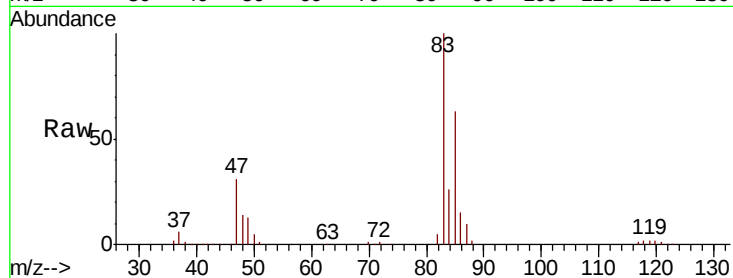
BFB17

Tot Ion: 83 Resp: 211420

Ion Ratio Lower Upper

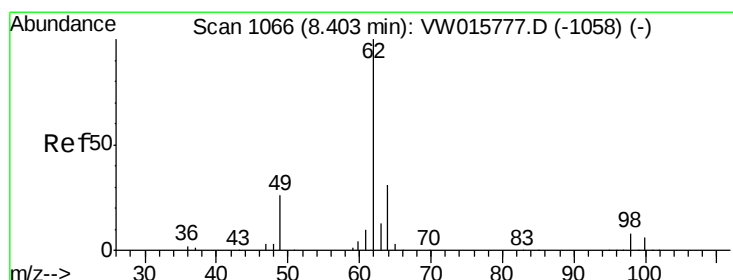
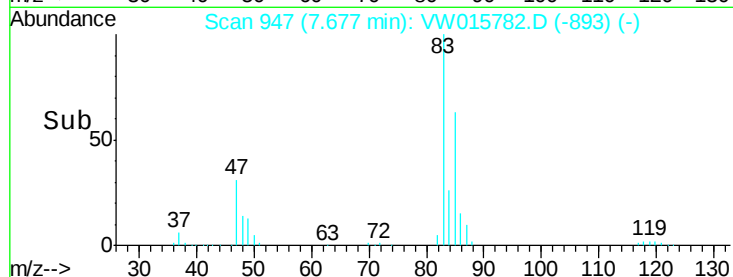
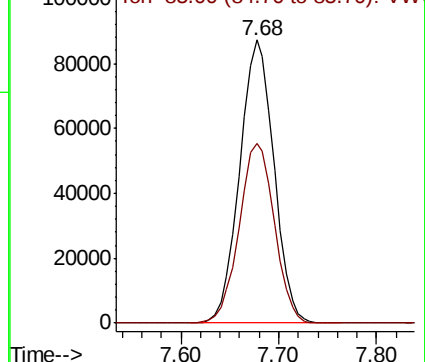
83 100

85 65.5 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.986 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015782.D

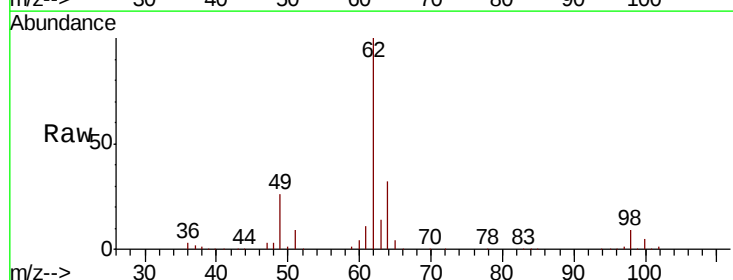
Acq: 06 Jul 2020 11:38

Tgt Ion: 62 Resp: 149105

Ion Ratio Lower Upper

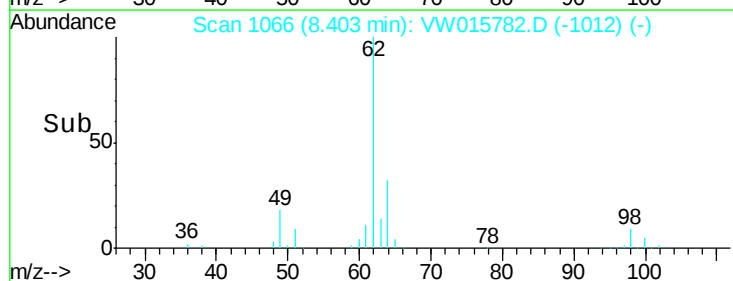
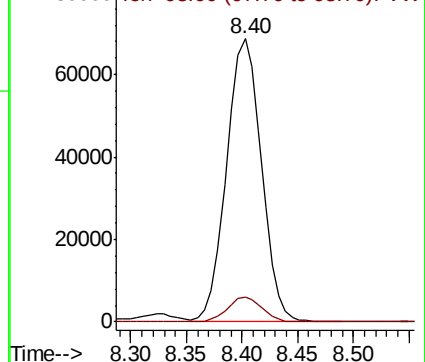
62 100

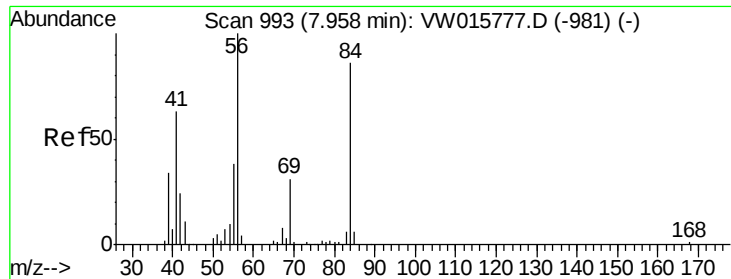
98 8.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

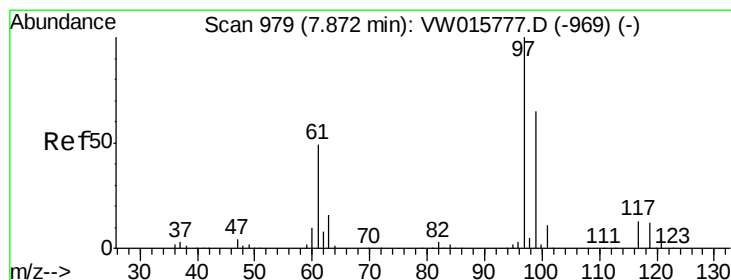
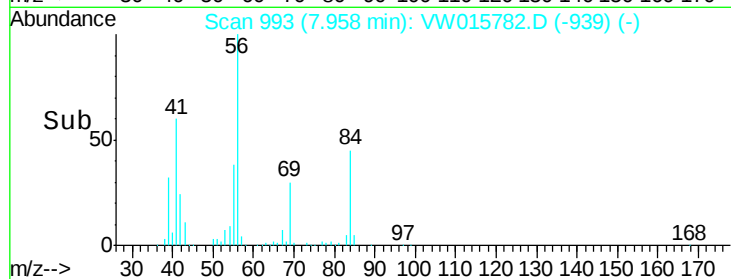
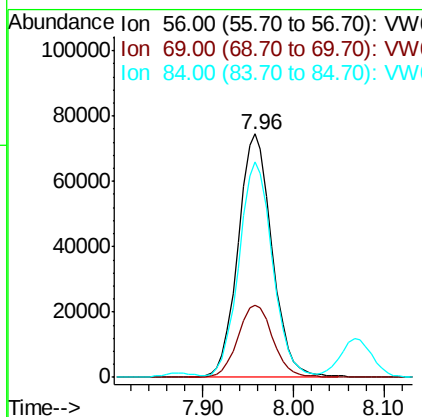
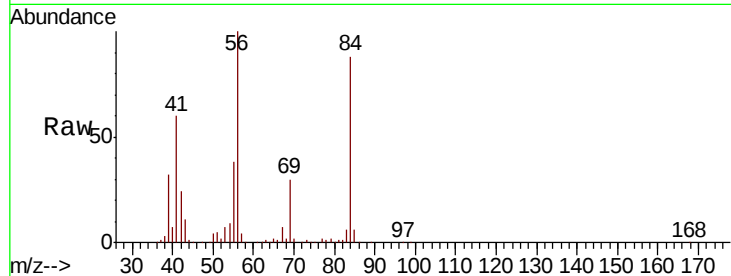




#30
Cyclohexane
Concen: 28.710 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015782.D
Acq: 06 Jul 2020 11:38

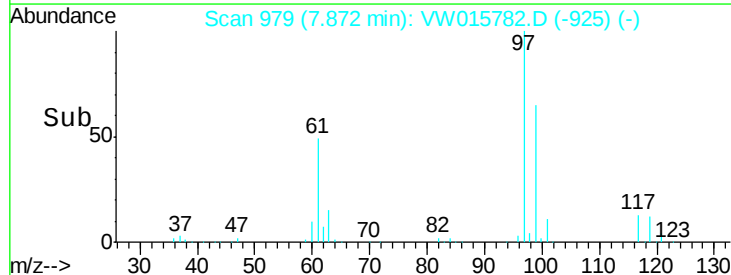
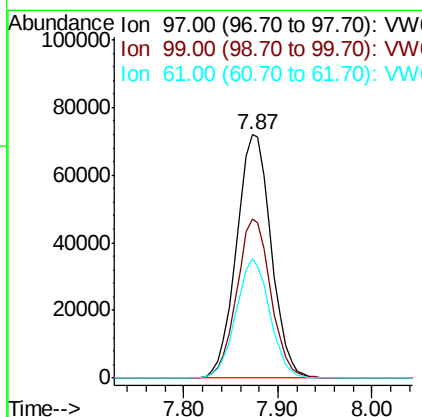
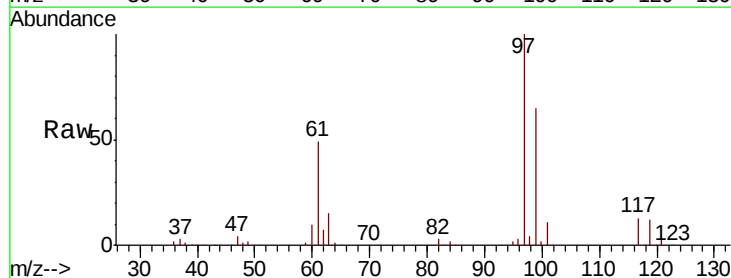
Instrument :
MSVOA_W
ClientSampleId :
BFB17

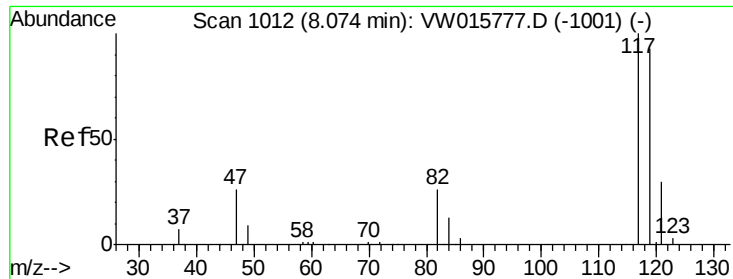
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	37.0
84	88.3	71.1	106.7



#31
1,1,1-Trichloroethane
Concen: 28.701 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015782.D
Acq: 06 Jul 2020 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	47.7	37.9	56.9





#32

Carbon tetrachloride

Concen: 28.838 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

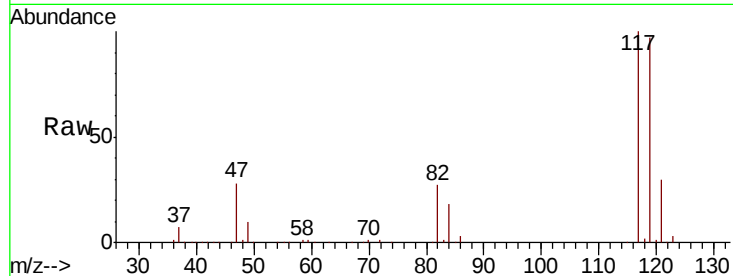
BFB17

Tot Ion:117 Resp: 168305

Ion Ratio Lower Upper

117 100

119 94.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

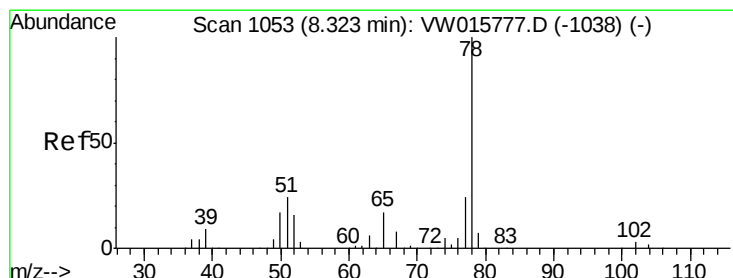
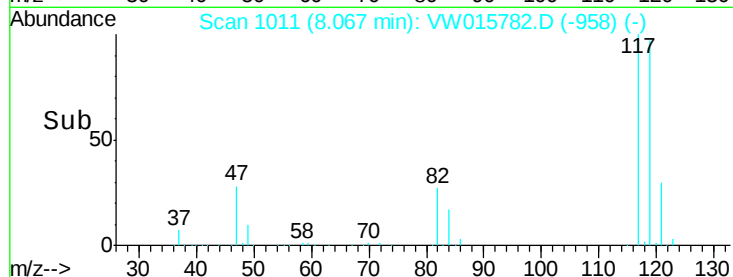
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 28.113 ug/L

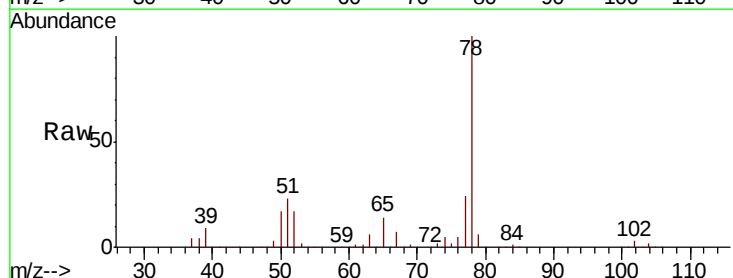
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Tgt Ion: 78 Resp: 460638



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

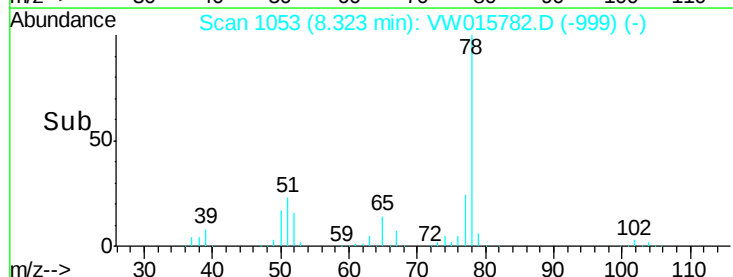
100000

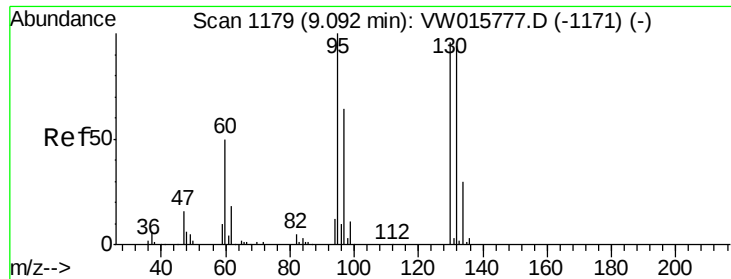
50000

0

8.20 8.30 8.40

Time-->

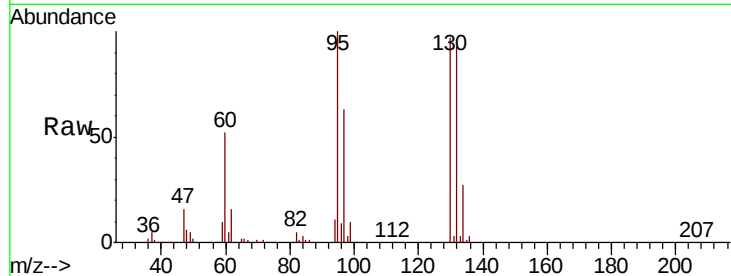




#35
 Trichloroethene
 Concen: 27.819 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB17

Tot Ion	95	Resp	121553
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.9	83.3
132	95.0	67.8	126.0
130	99.1	70.1	130.1



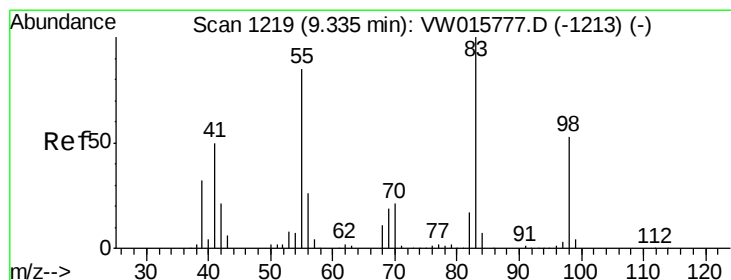
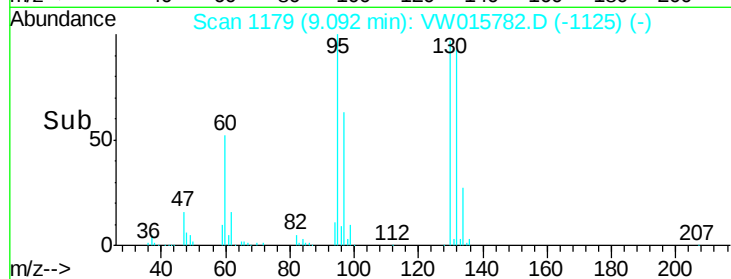
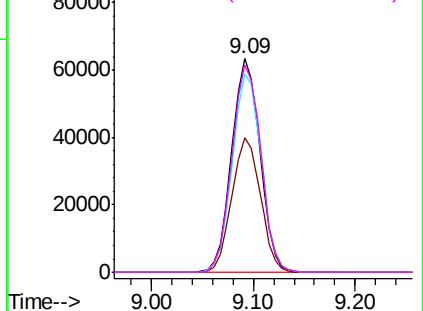
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

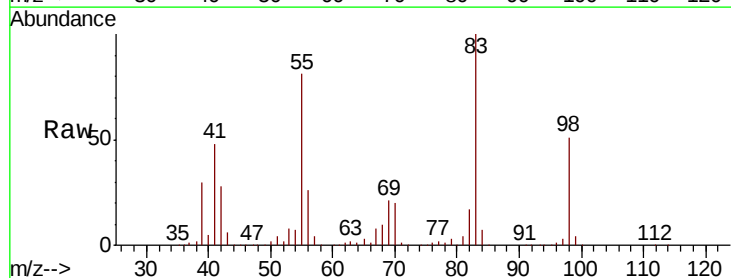
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 28.606 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion	83	Resp	215581
Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.7	94.1
98	49.6	39.4	59.2

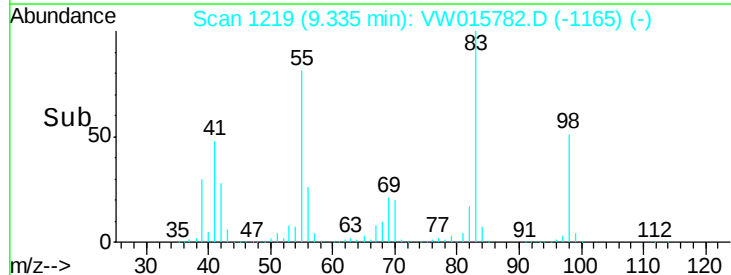
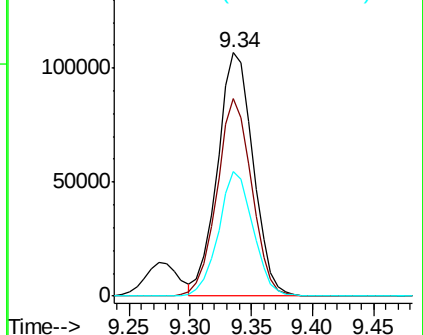


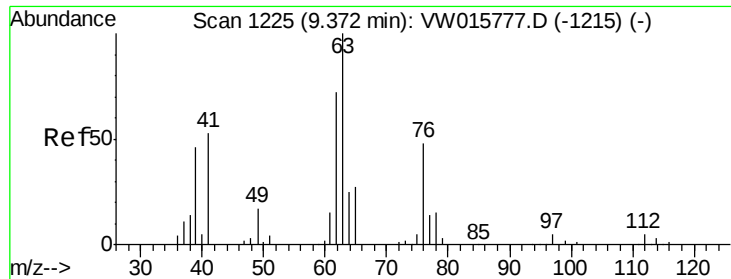
Abundance

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

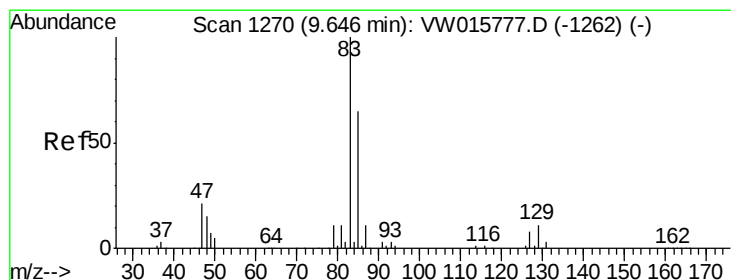
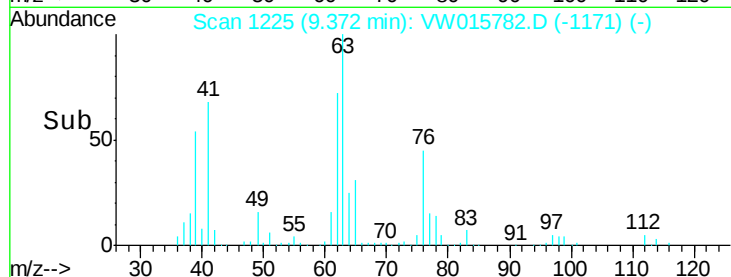
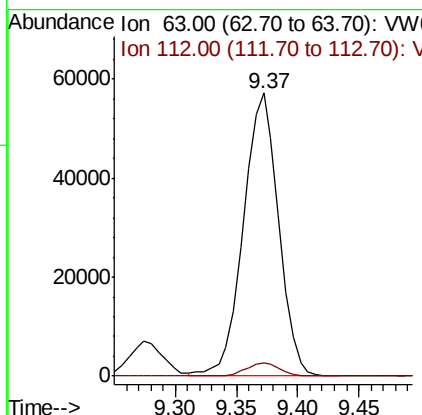
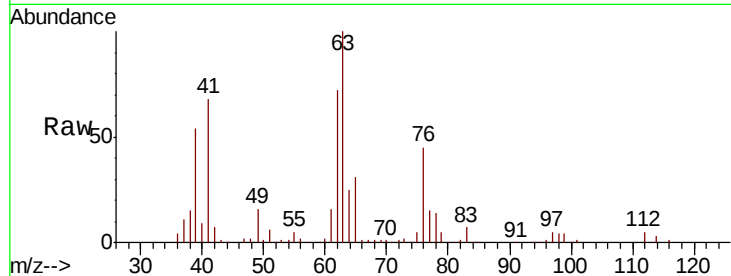




#40
 1,2-Dichloropropane
 Concen: 28.647 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

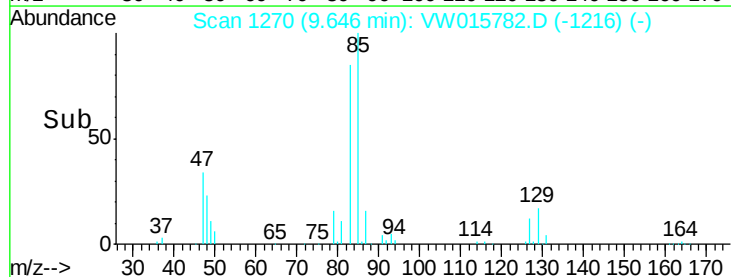
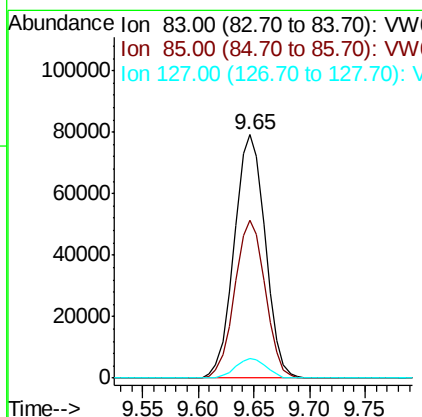
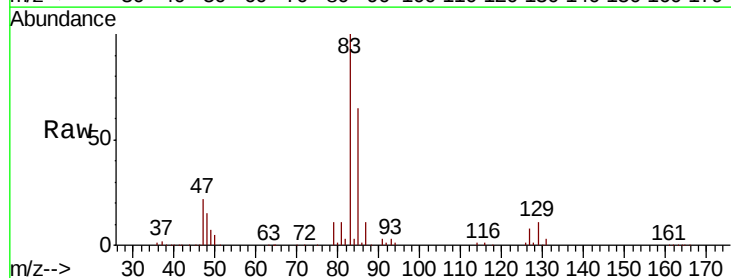
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

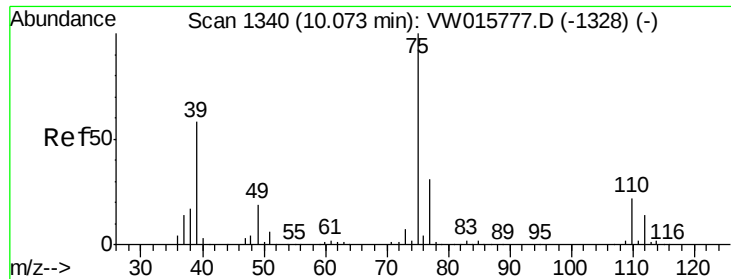
Tot Ion: 63 Resp: 114245
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 29.404 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion: 83 Resp: 152357
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.1 81.9
 127 8.1 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 28.796 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampled :

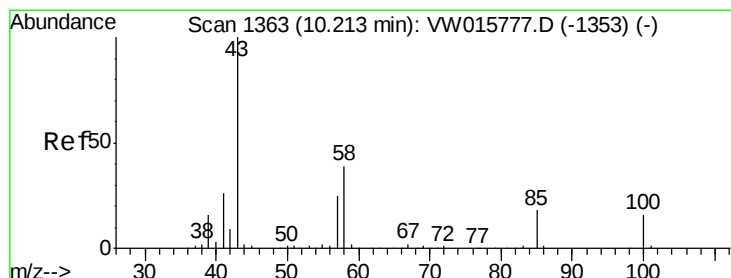
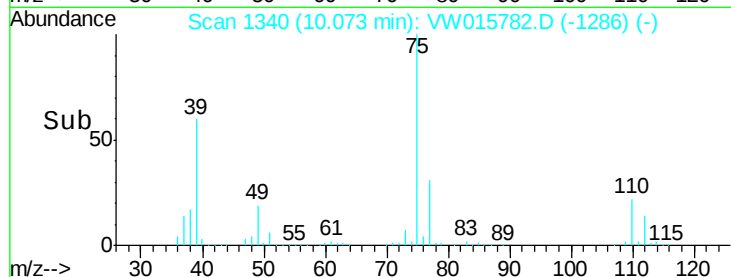
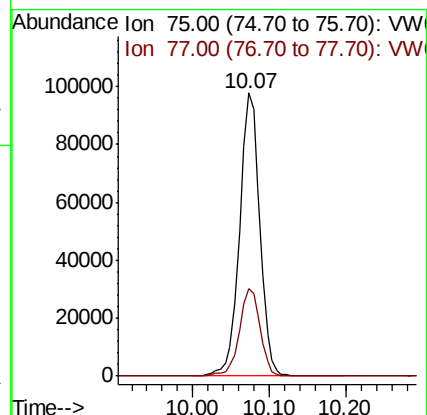
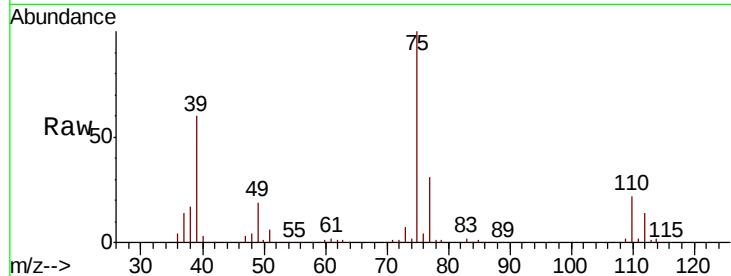
BFB17

Tot Ion: 75 Resp: 179262

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 62.638 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

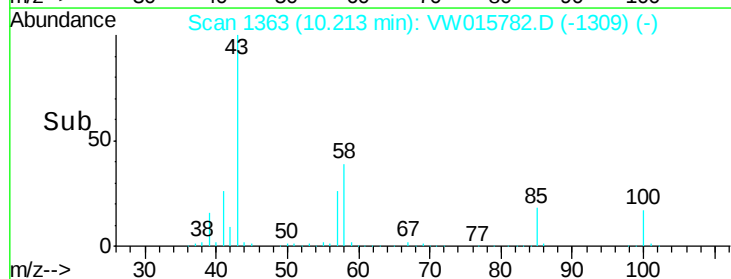
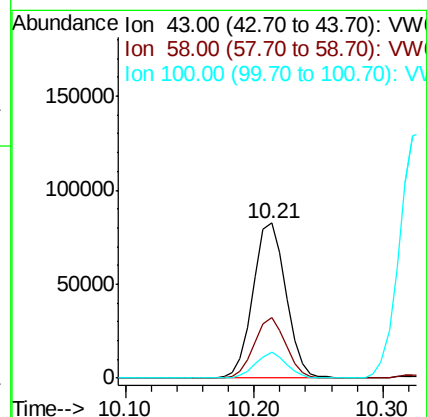
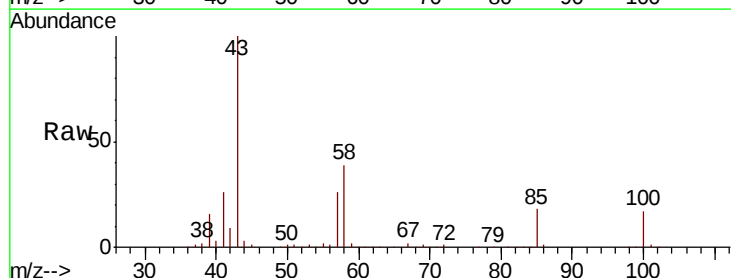
Tgt Ion: 43 Resp: 145742

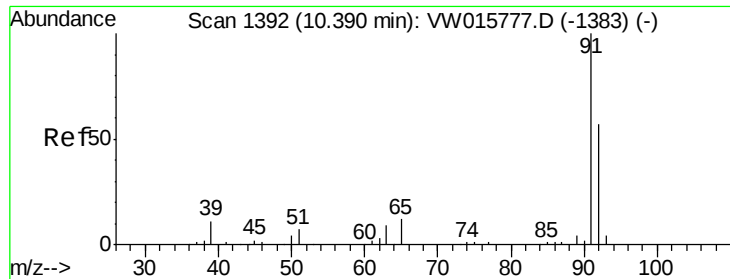
Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5

100 15.6 12.8 19.2





#44

Toluene

Concen: 28.147 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

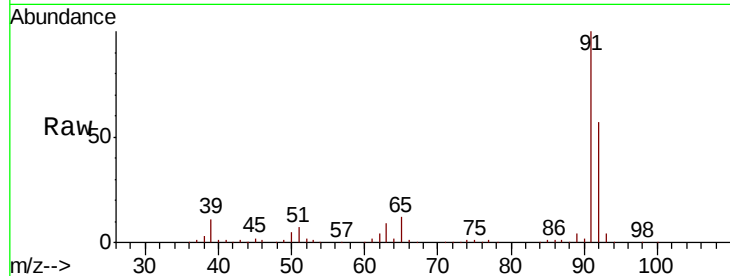
BFB17

Tot Ion: 91 Resp: 501055

Ion Ratio Lower Upper

91 100

92 57.1 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

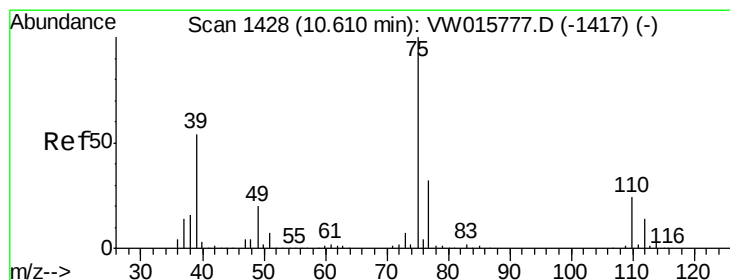
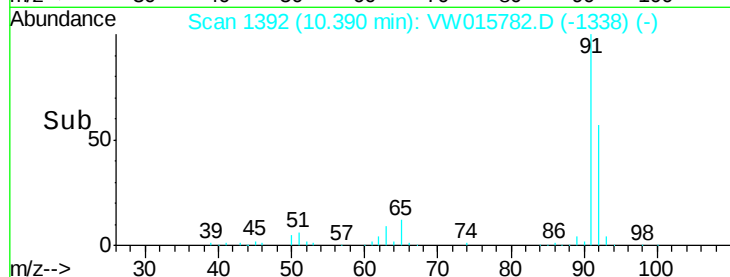
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 29.776 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015782.D

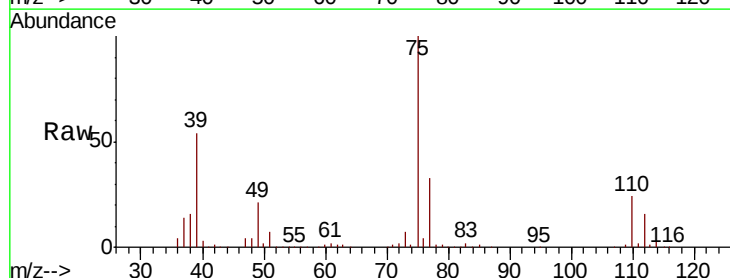
Acq: 06 Jul 2020 11:38

Tgt Ion: 75 Resp: 161339

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

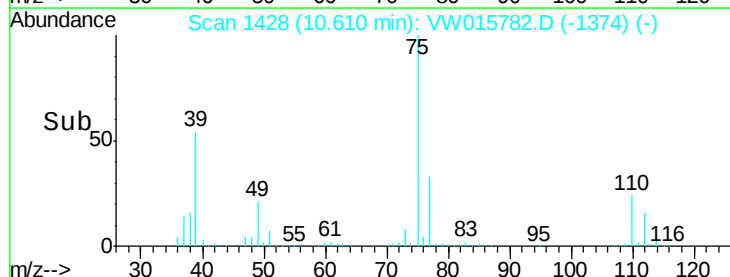
60000

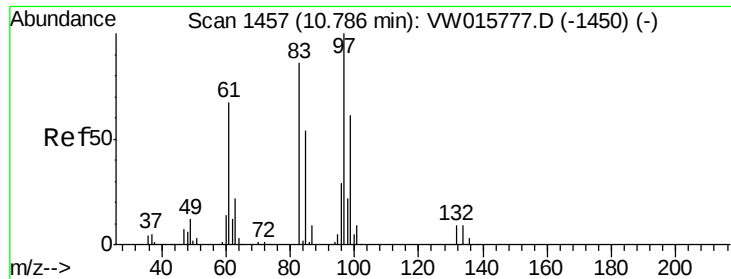
40000

20000

0

Time-->

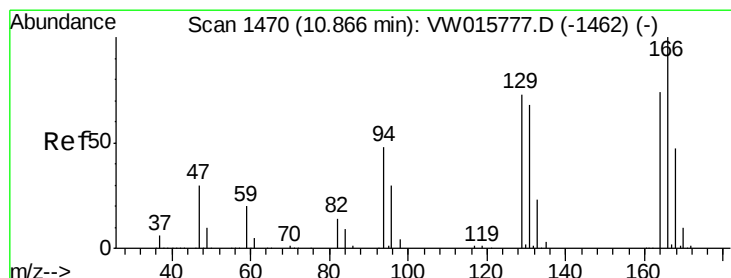
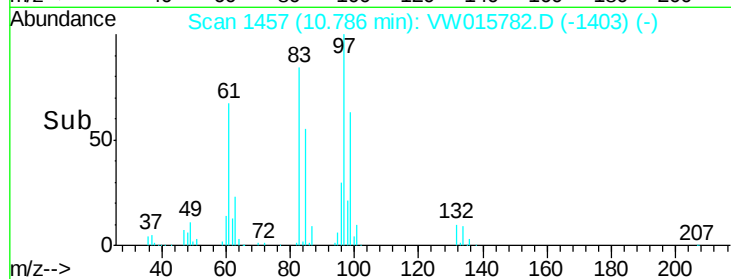
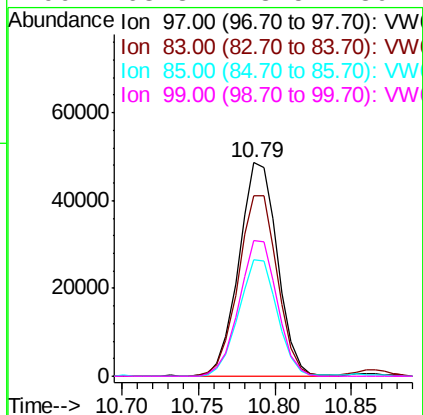
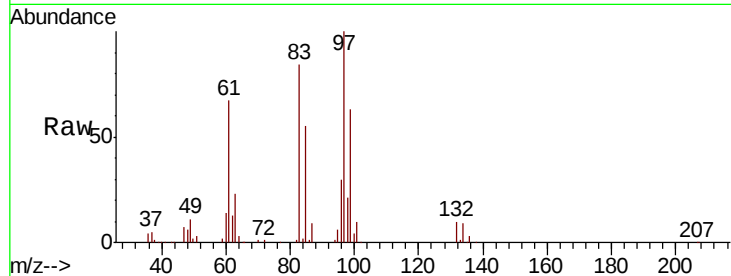




#46
 1,1,2-Trichloroethane
 Concen: 29.602 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

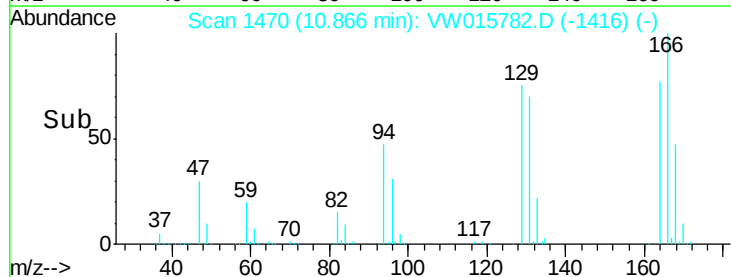
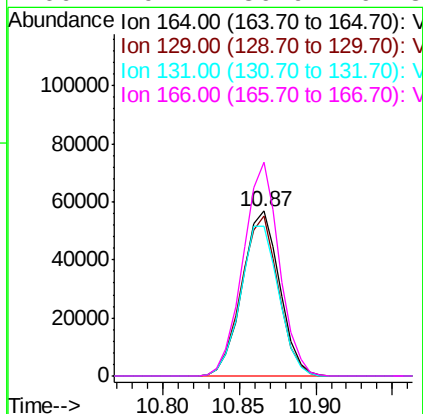
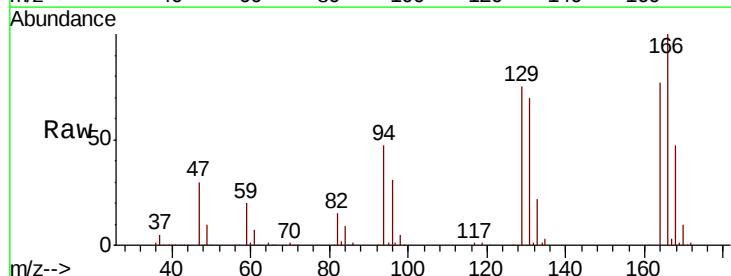
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

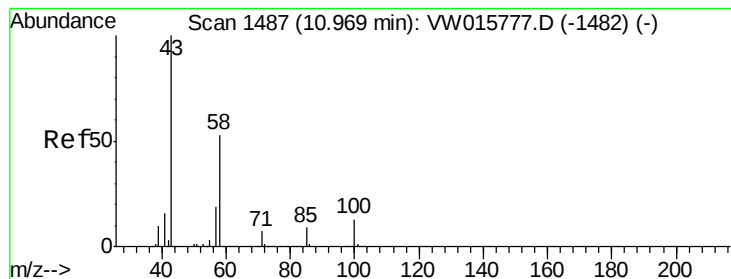
Tot Ion:	97	Resp:	85223
Ion	Ratio	Lower	Upper
97	100		
83	84.4	58.4	108.4
85	54.7	39.2	72.8
99	63.3	43.5	80.7



#47
 Tetrachloroethene
 Concen: 27.530 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion:	164	Resp:	96660
Ion	Ratio	Lower	Upper
164	100		
129	96.8	66.1	122.8
131	90.9	63.6	118.0
166	129.4	86.9	161.3





#49

2-Hexanone

Concen: 64.543 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

BFB17

Tot Ion: 43 Resp: 105788

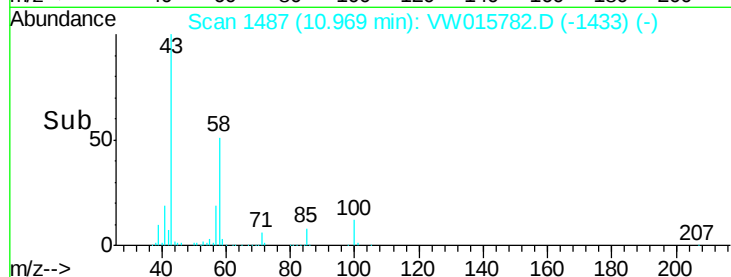
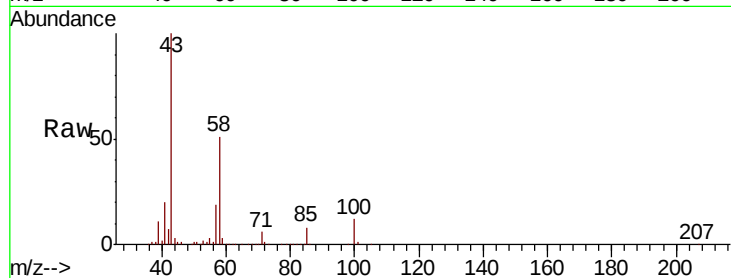
Ion Ratio Lower Upper

43 100

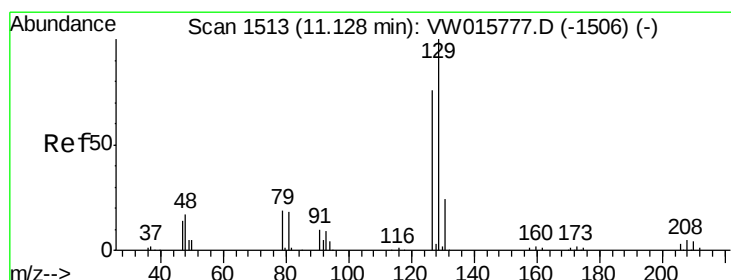
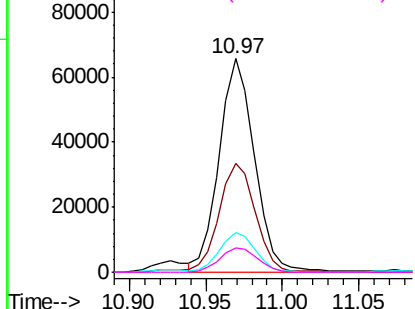
58 52.4 43.5 65.3

57 18.9 15.4 23.0

100 12.0 10.0 15.0



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: 29.578 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015782.D

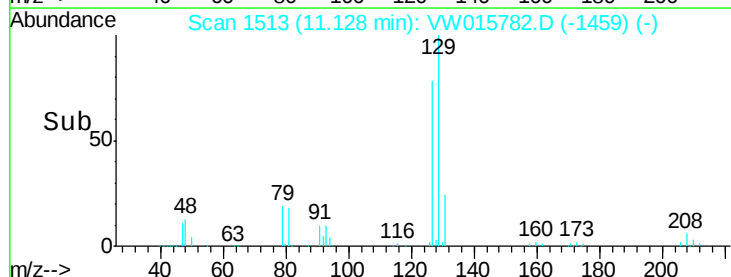
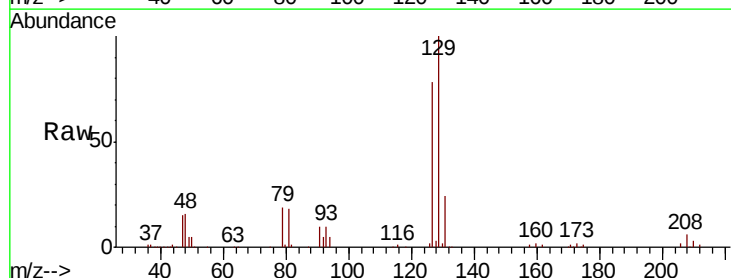
Acq: 06 Jul 2020 11:38

Tgt Ion: 129 Resp: 99680

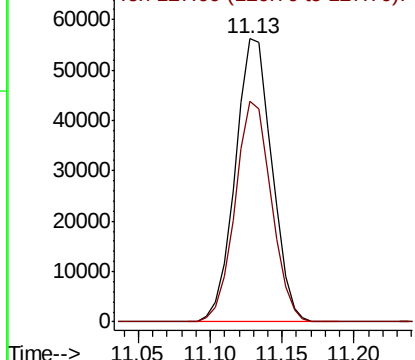
Ion Ratio Lower Upper

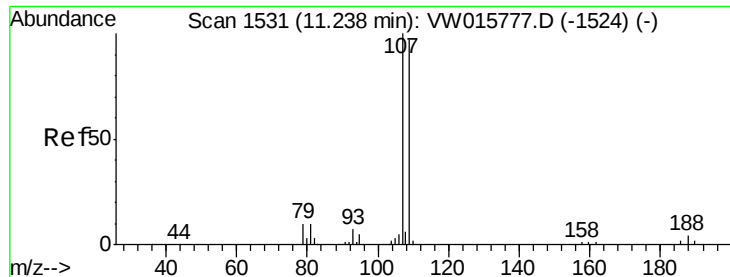
129 100

127 77.7 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

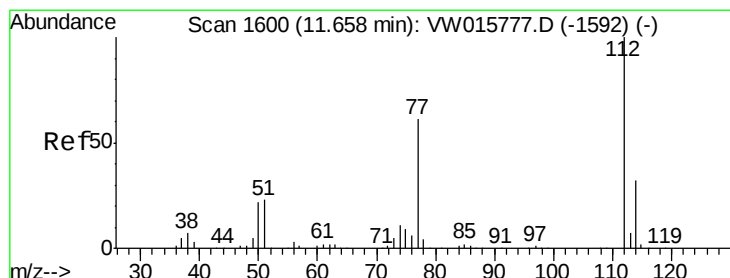
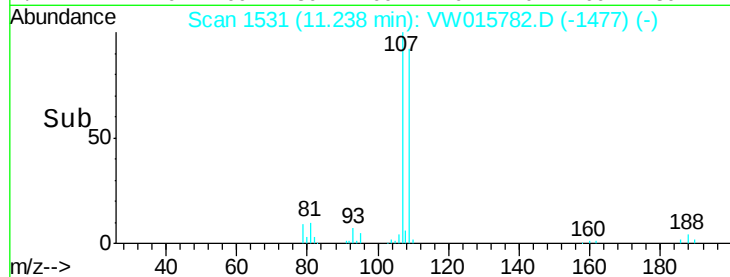
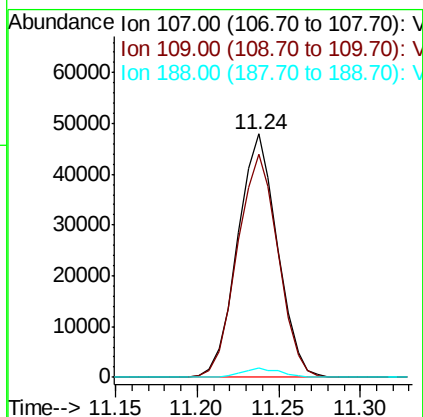
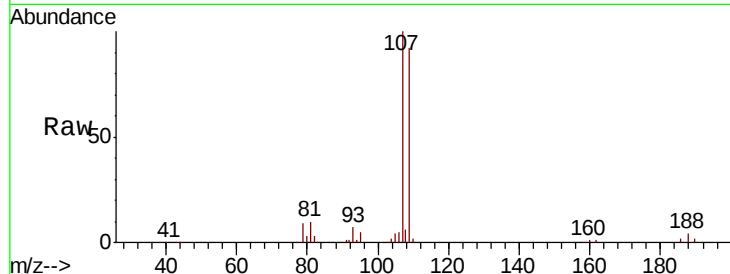




#51
 1,2-Dibromoethane
 Concen: 29.230 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

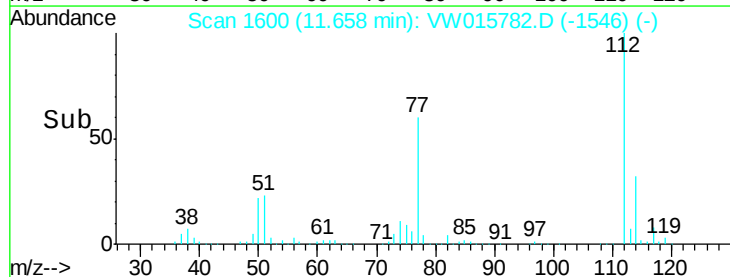
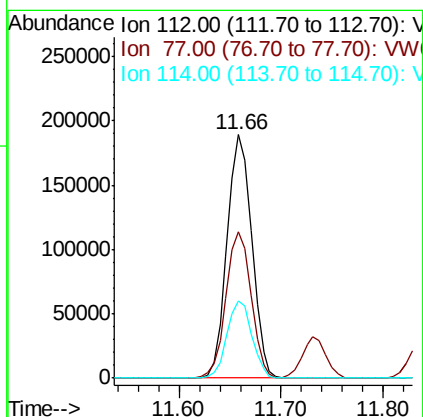
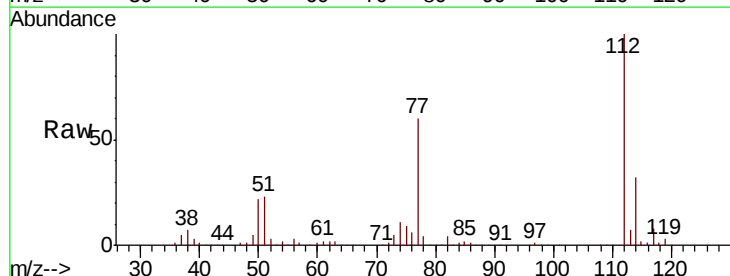
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

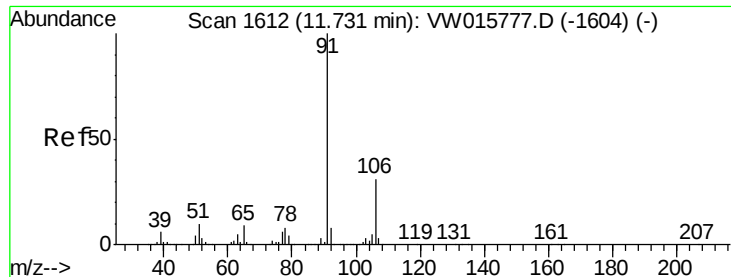
Tot Ion:107 Resp: 81572
 Ion Ratio Lower Upper
 107 100
 109 91.6 64.0 118.8
 188 3.6 3.1 4.7



#52
 Chlorobenzene
 Concen: 28.373 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion:112 Resp: 317467
 Ion Ratio Lower Upper
 112 100
 77 60.1 48.4 72.6
 114 31.8 21.8 40.4





#53

Ethylbenzene

Concen: 28.956 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

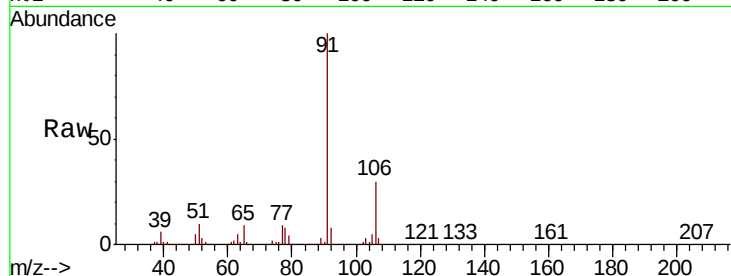
BFB17

Tot Ion: 91 Resp: 582812

Ion Ratio Lower Upper

91 100

106 30.2 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

400000

300000

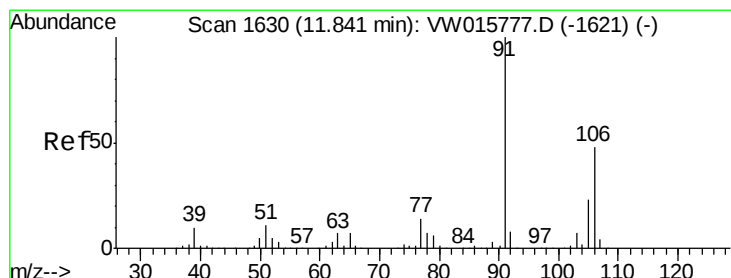
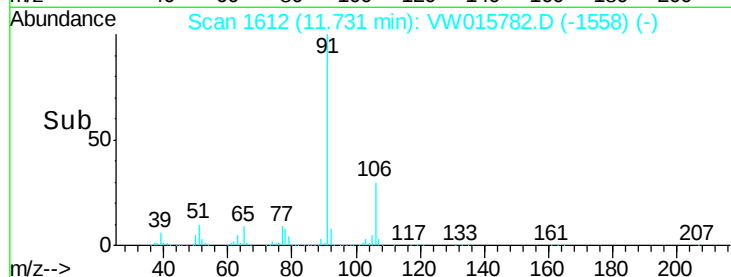
200000

100000

0

Time-->

11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 28.762 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015782.D

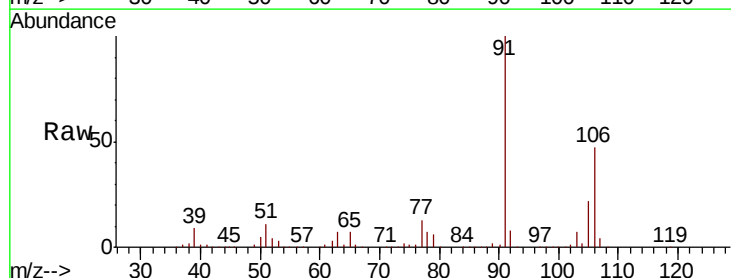
Acq: 06 Jul 2020 11:38

Tgt Ion: 106 Resp: 216373

Ion Ratio Lower Upper

106 100

91 212.9 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

300000

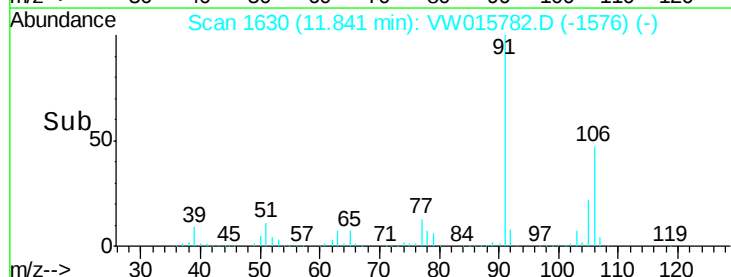
200000

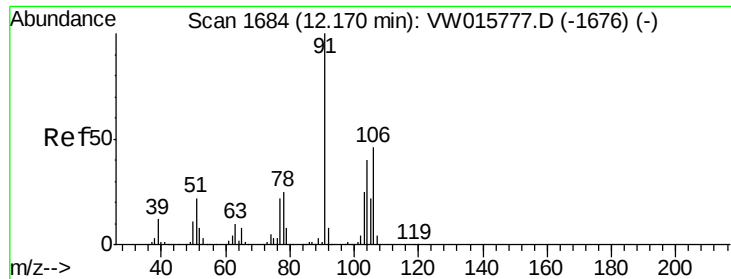
100000

0

Time-->

11.75 11.80 11.85 11.90





#55

o-xylene

Concen: 28.608 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampled :

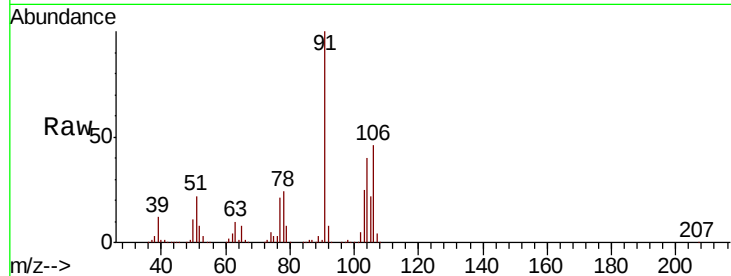
BFB17

Tot Ion:106 Resp: 205685

Ion Ratio Lower Upper

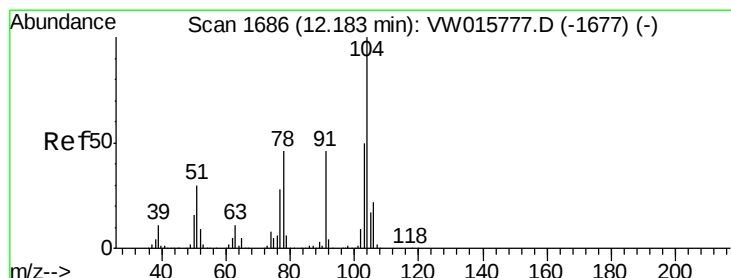
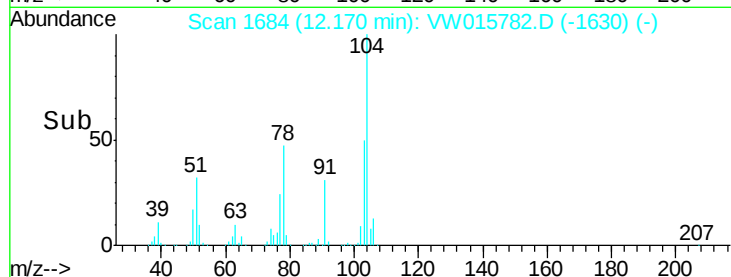
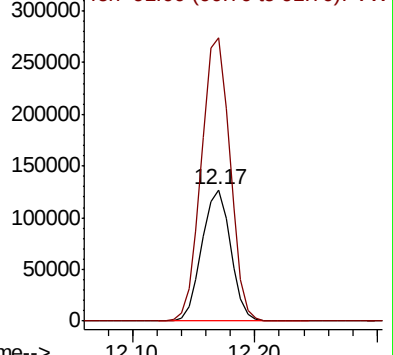
106 100

91 215.9 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.183 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015782.D

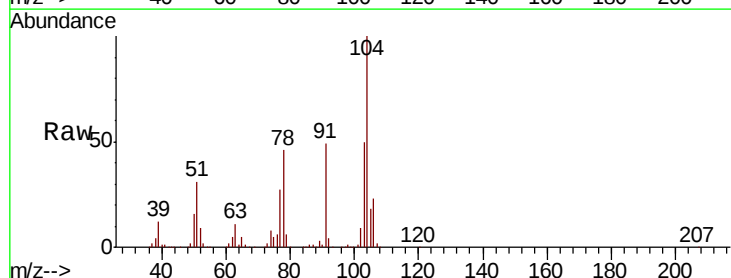
Acq: 06 Jul 2020 11:38

Tgt Ion:104 Resp: 356173

Ion Ratio Lower Upper

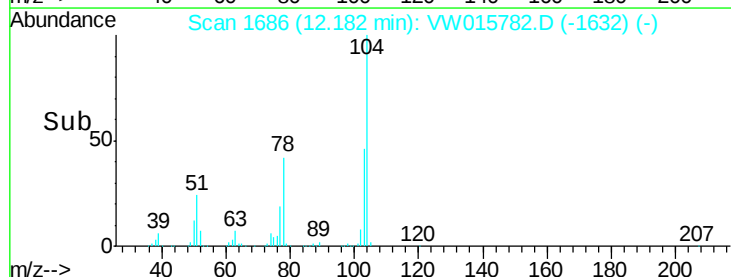
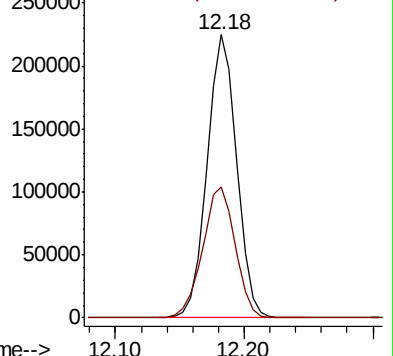
104 100

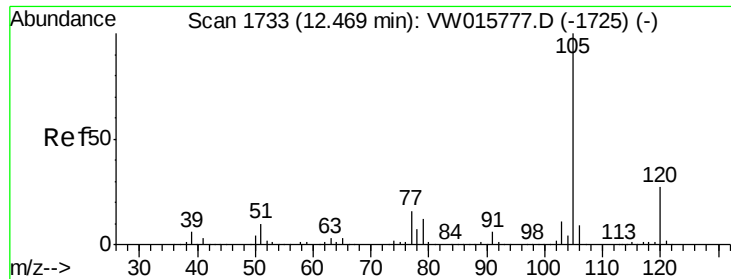
78 46.3 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.072 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

BFB17

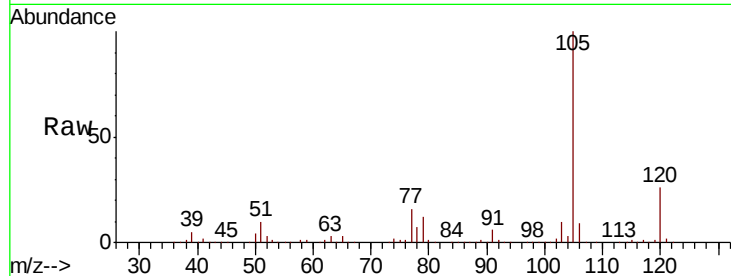
Tot Ion:105 Resp: 577353

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

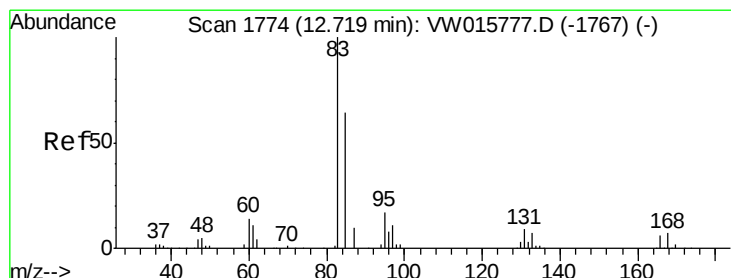
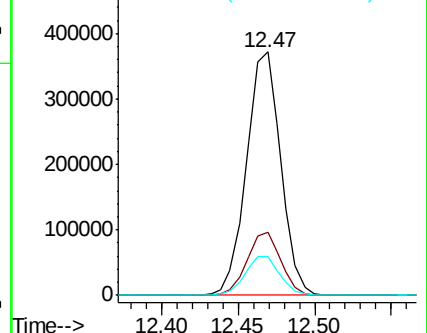
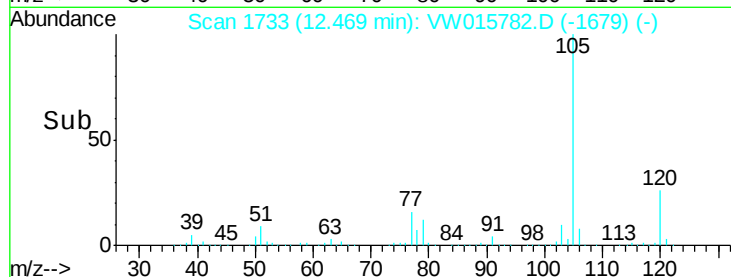
77 16.4 12.9 19.3



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: 30.057 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

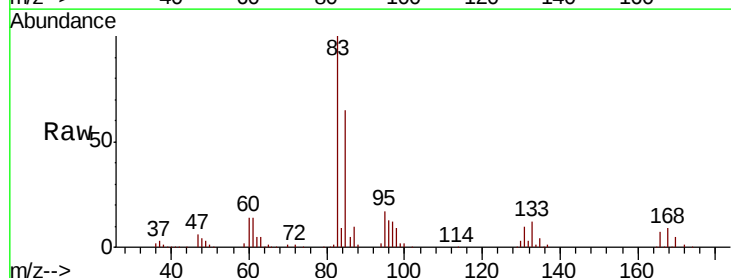
Tgt Ion: 83 Resp: 102971

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

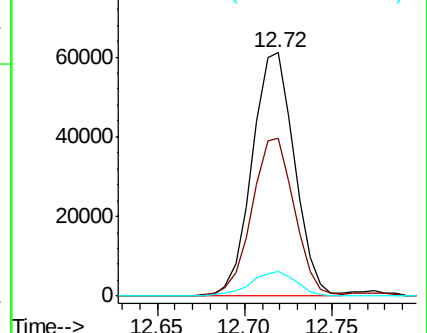
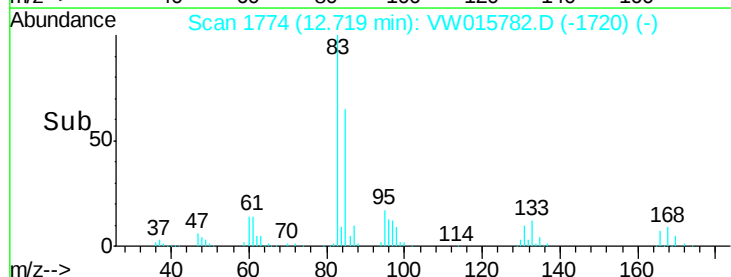
131 10.2 8.2 12.4

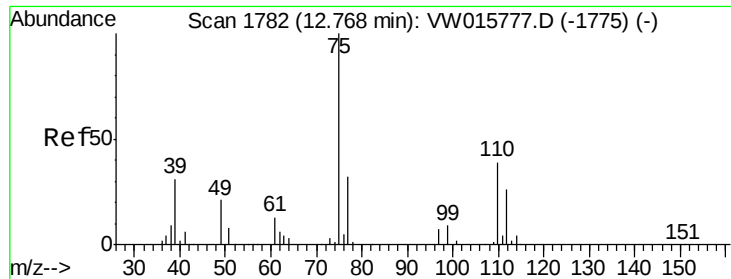


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

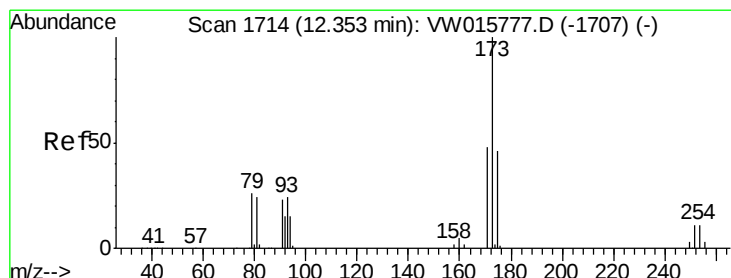
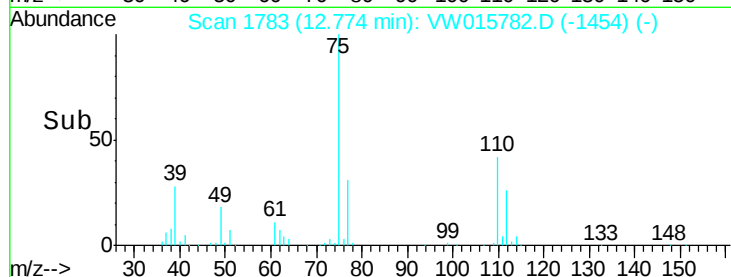
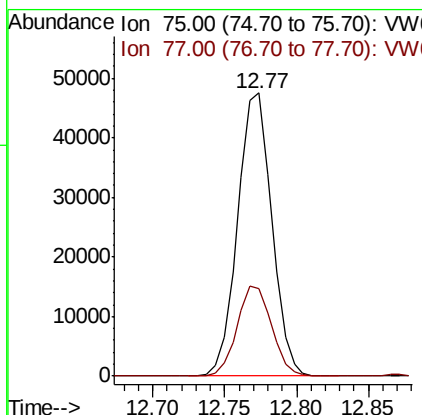
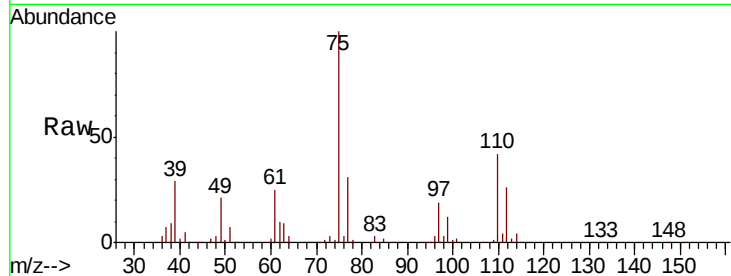




#59
 1,2,3-Trichloropropane
 Concen: 30.266 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

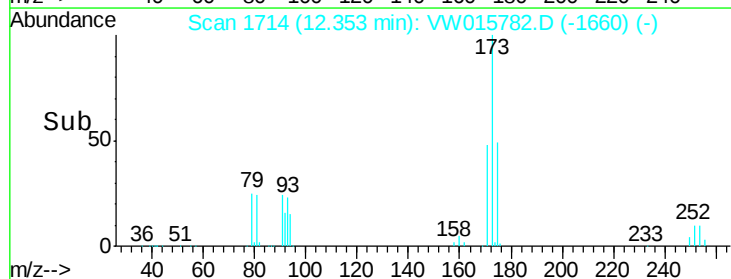
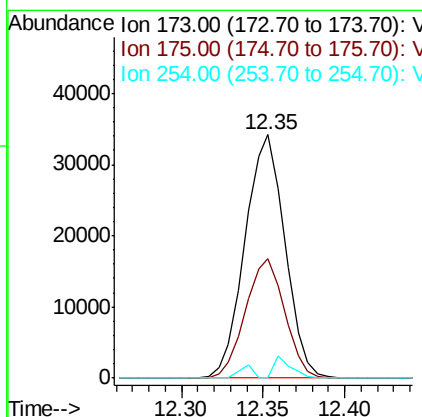
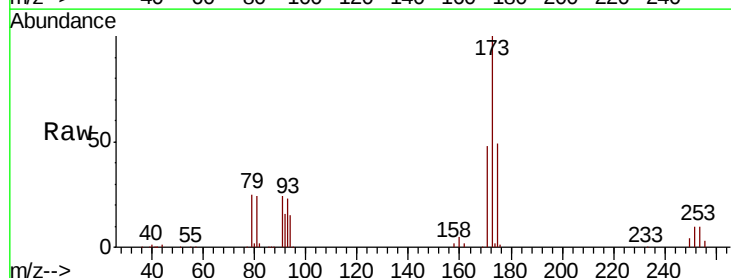
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

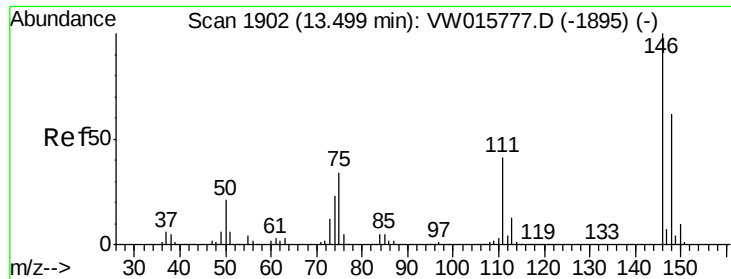
Tot Ion: 75 Resp: 78309
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.1 39.1



#62
 Bromoform
 Concen: 31.163 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion:173 Resp: 58394
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.2
 254 4.0 8.2 12.2#

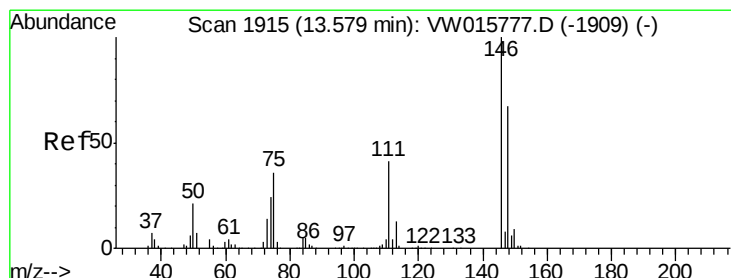
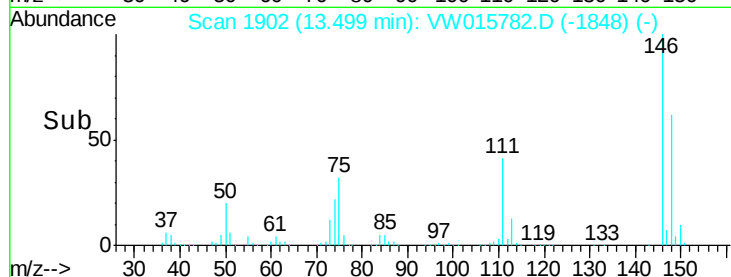
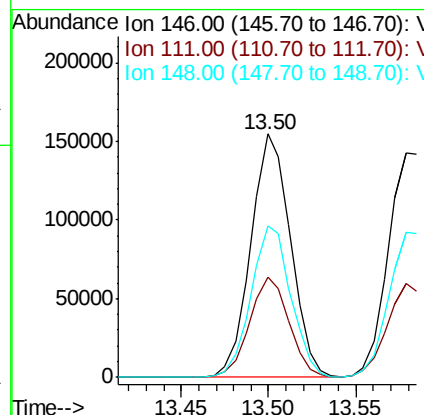
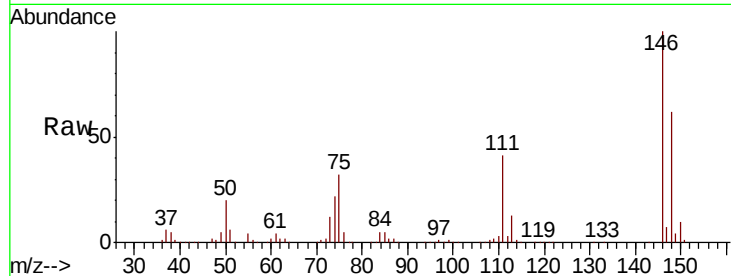




#63
 1,3-Dichlorobenzene
 Concen: 28.169 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

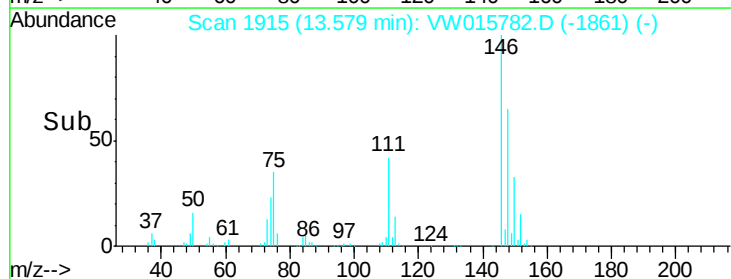
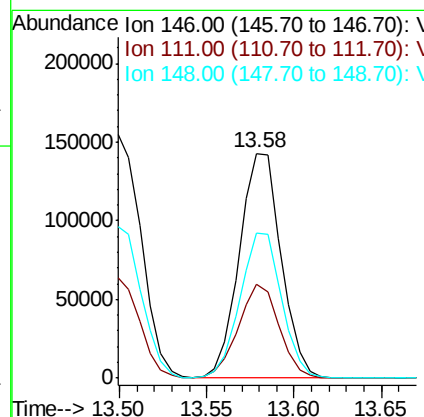
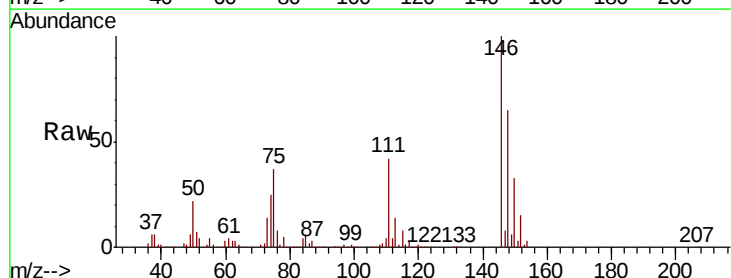
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

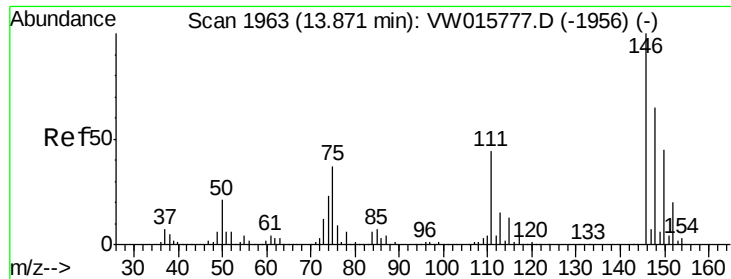
Tot Ion:146 Resp: 244071
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.6
 148 62.2 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 27.501 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion:146 Resp: 237378
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.8 51.6
 148 64.5 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 28.305 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

BFB17

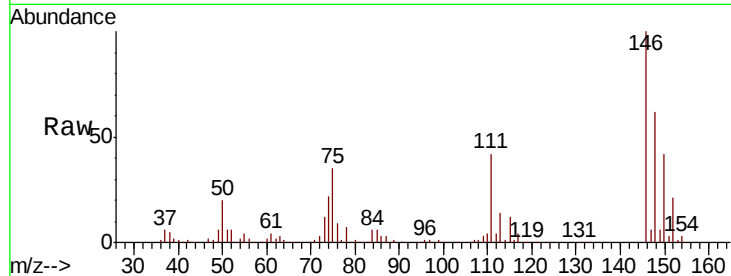
Tot Ion:146 Resp: 216847

Ion Ratio Lower Upper

146 100

111 42.2 35.5 53.3

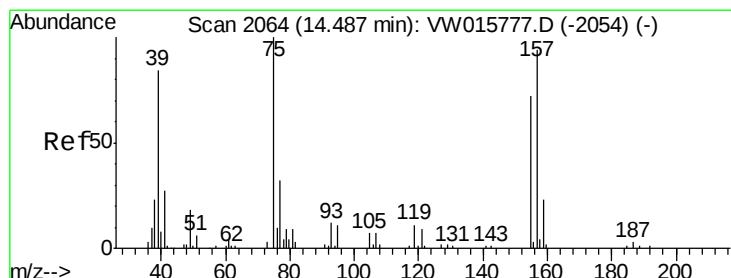
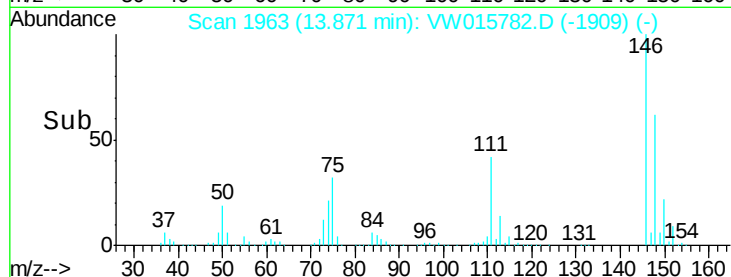
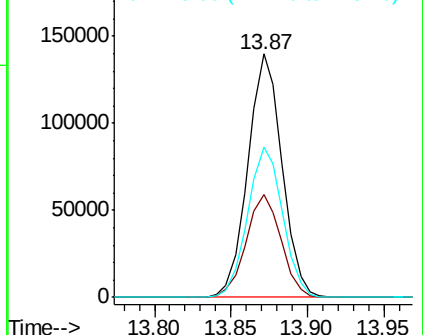
148 61.8 51.4 77.2



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: 31.149 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

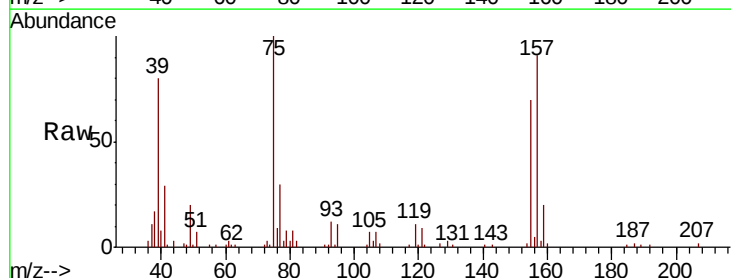
Tgt Ion: 75 Resp: 17092

Ion Ratio Lower Upper

75 100

157 90.6 83.2 124.8

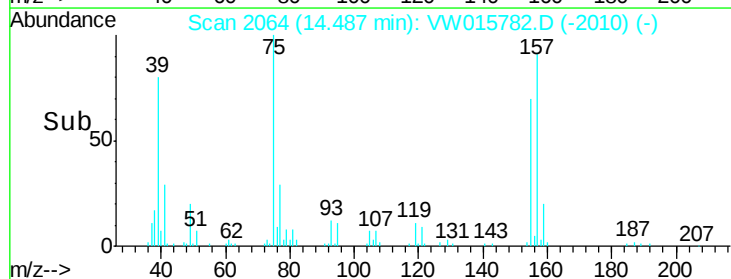
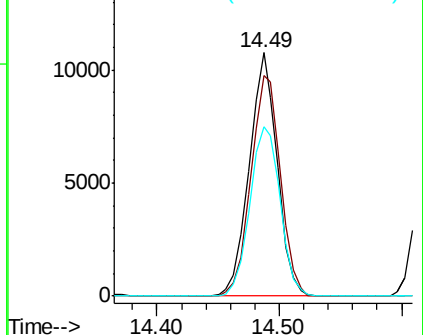
155 69.6 64.2 96.4

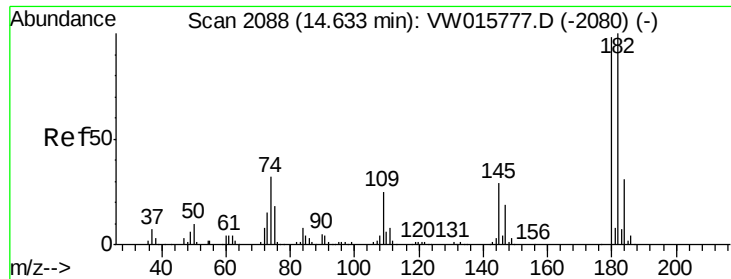


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

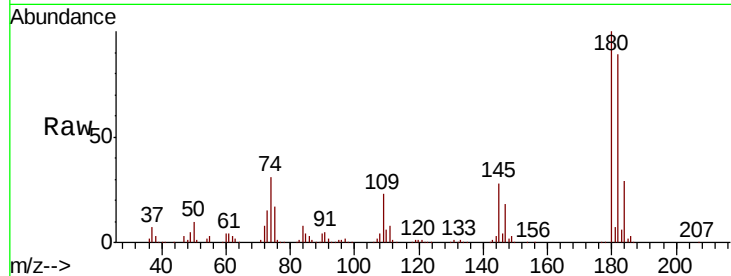




#67
 1,3,5-Trichlorobenzene
 Concen: 28.431 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB17

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.1	114.1
184	30.6	24.2	36.2
145	29.4	23.8	35.6



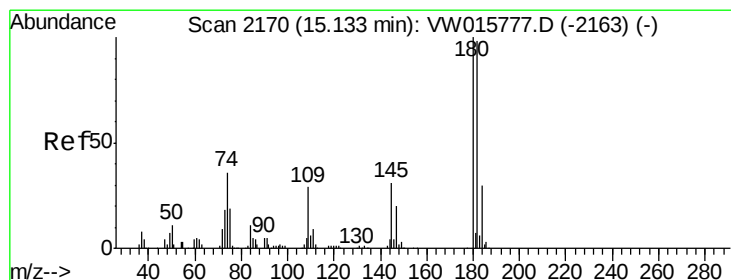
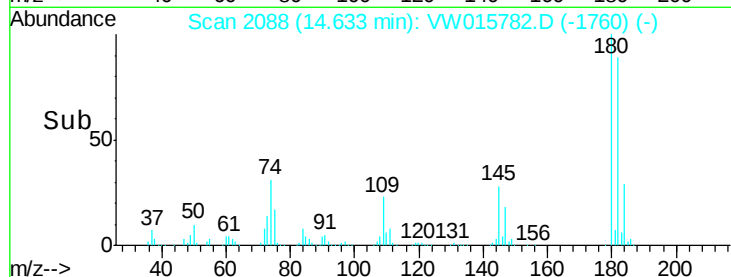
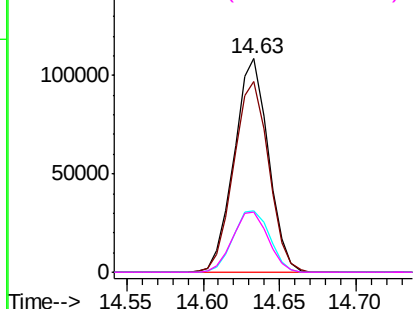
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

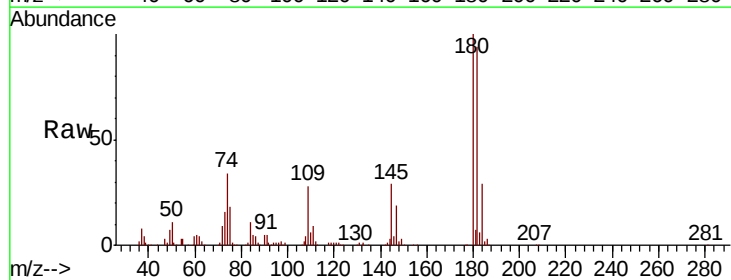
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.146 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015782.D
 Acq: 06 Jul 2020 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.5	113.3
145	30.2	24.6	37.0

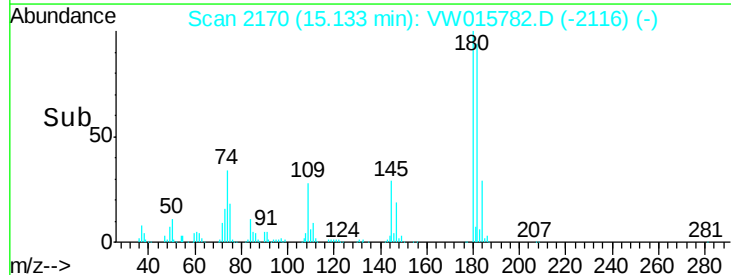
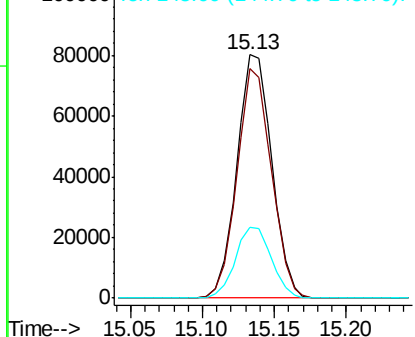


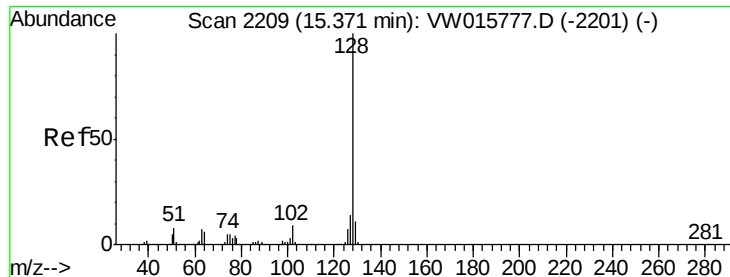
Abundance

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: 29.683 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

Instrument :

MSVOA_W

ClientSampleId :

BFB17

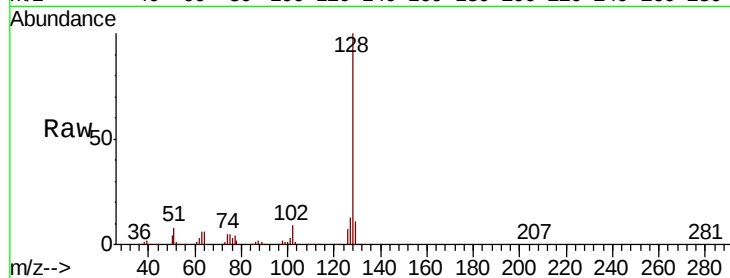
Tot Ion:128 Resp: 260382

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

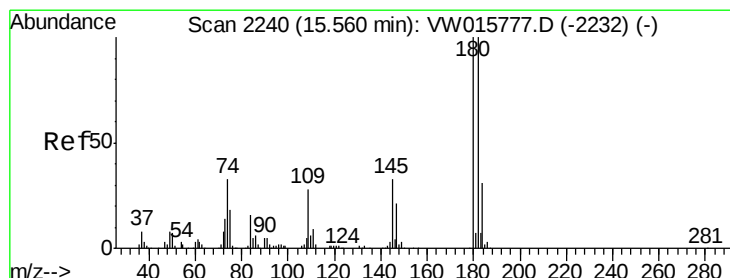
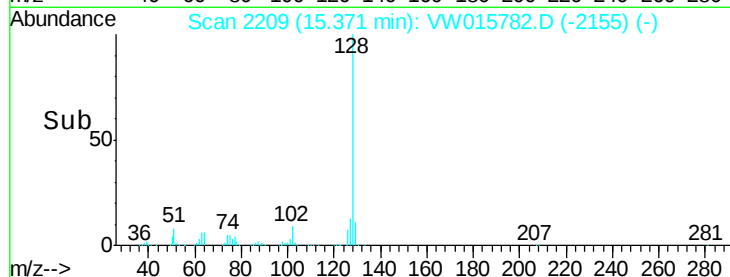
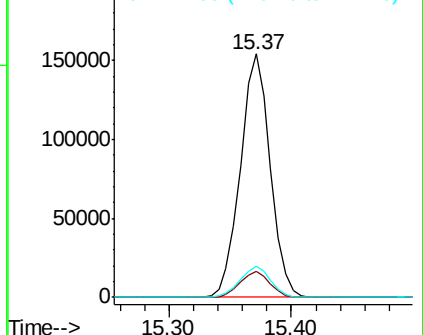
127 13.1 10.6 16.0



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: 28.401 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015782.D

Acq: 06 Jul 2020 11:38

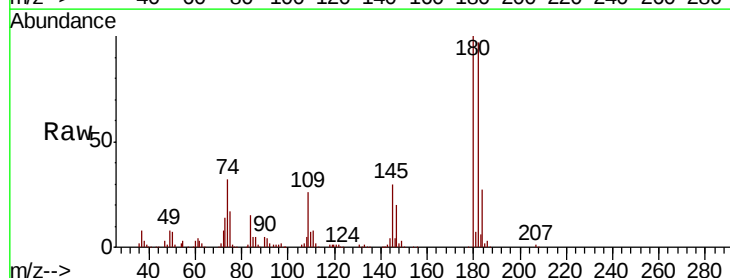
Tgt Ion:180 Resp: 117728

Ion Ratio Lower Upper

180 100

182 97.1 75.5 113.3

145 32.1 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

