

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015793.D
 Acq On : 07 Jul 2020 14:18
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Jul 08 08:41:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158541	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	102581	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	
35) Dibromofluoromethane	7.88	113	95698	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	10.32	98	383502	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.62	95	143386	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	67865	55.438	ug/l	100
3) Chloromethane	2.21	50	79806	48.004	ug/l	96
4) Vinyl Chloride	2.37	62	125633	48.943	ug/l	98
5) Bromomethane	2.78	94	86354	43.966	ug/l	99
6) Chloroethane	2.93	64	82968	47.893	ug/l	98
7) Trichlorofluoromethane	3.26	101	100890	54.689	ug/l	99
8) Diethyl Ether	3.68	74	51736	45.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	107945	49.986	ug/l	99
10) Methyl Iodide	4.26	142	150043	49.694	ug/l	100
11) Tert butyl alcohol	5.18	59	33686	270.250	ug/l	97
12) 1,1-Dichloroethene	4.03	96	106205	50.021	ug/l	99
13) Acrolein	3.89	56	36132	217.604	ug/l	100
14) Allyl chloride	4.67	41	172697	50.043	ug/l	99
15) Acrylonitrile	5.37	53	100274	223.122	ug/l	99
16) Acetone	4.12	43	123026	274.697	ug/l	98
17) Carbon Disulfide	4.38	76	317058	50.199	ug/l	100
18) Methyl Acetate	4.67	43	43589	42.767	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	152764	48.073	ug/l	96
20) Methylene Chloride	4.92	84	121896	53.284	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	121033	49.216	ug/l	98
22) Diisopropyl ether	6.31	45	332902	47.870	ug/l	98
23) Vinyl Acetate	6.26	43	961631	232.485	ug/l	99
24) 1,1-Dichloroethane	6.22	63	210049	47.706	ug/l	99
25) 2-Butanone	7.17	43	143746	236.454	ug/l	97
26) 2,2-Dichloropropane	7.17	77	139554	50.522	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	128020	48.481	ug/l	99
28) Bromochloromethane	7.51	49	74903	42.912	ug/l	100
29) Tetrahydrofuran	7.53	42	83479	226.288	ug/l	99
30) Chloroform	7.68	83	208752	46.380	ug/l	99
31) Cyclohexane	7.96	56	199848	48.228	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	185327	49.105	ug/l	99
36) 1,1-Dichloropropene	8.08	75	179626	51.414	ug/l	100
37) Ethyl Acetate	7.26	43	61036	44.961	ug/l	100
38) Carbon Tetrachloride	8.07	117	173414	51.295	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223913	54.313	ug/l	99
40) Benzene	8.32	78	478173	49.964	ug/l	100
41) Methacrylonitrile	7.49	41	37227	48.303	ug/l	97
42) 1,2-Dichloroethane	8.40	62	138795	46.597	ug/l	99
43) Isopropyl Acetate	8.43	43	123391	46.566	ug/l	100
44) Trichloroethene	9.09	130	126003	49.777	ug/l	91
45) 1,2-Dichloropropane	9.37	63	114019	48.469	ug/l	99
46) Dibromomethane	9.46	93	55989	46.230	ug/l	99
47) Bromodichloromethane	9.65	83	151512	48.367	ug/l	100
48) Methyl methacrylate	9.44	41	57304	47.187	ug/l	98
49) 1,4-Dioxane	9.45	88	13249	884.862	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	298799	231.080	ug/l	100
52) Toluene	10.39	92	311947	50.651	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	151076	50.265	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	179811	50.013	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	77827	46.343	ug/l	99
56) Ethyl methacrylate	10.65	69	101218	49.025	ug/l	98
57) 1,3-Dichloropropane	10.93	76	140062	47.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	232562	230.531	ug/l	100
59) 2-Hexanone	10.97	43	212266	245.984	ug/l	98
60) Dibromochloromethane	11.13	129	93833	48.380	ug/l	100
61) 1,2-Dibromoethane	11.24	107	74605	46.429	ug/l	98
64) Tetrachloroethene	10.86	164	107688	53.026	ug/l	91
65) Chlorobenzene	11.66	112	317587	50.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	109713	49.401	ug/l	98
67) Ethyl Benzene	11.73	91	615587	52.968	ug/l	96
68) m/p-Xylenes	11.84	106	462282	105.889	ug/l	99
69) o-Xylene	12.17	106	211801	53.149	ug/l	99
70) Styrene	12.18	104	361798	52.764	ug/l	100
71) Bromoform	12.35	173	49171	48.507	ug/l #	98
73) Isopropylbenzene	12.47	105	608230	54.456	ug/l	99
74) N-amyl acetate	12.27	43	119192	49.880	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	86722	46.729	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	116658	83.724	ug/l	32
77) Bromobenzene	12.75	156	124537	49.727	ug/l	97
78) n-propylbenzene	12.80	91	727385	53.654	ug/l	100
79) 2-Chlorotoluene	12.90	91	403729	52.221	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	513620	53.955	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	27374	44.954	ug/l	99
82) 4-Chlorotoluene	12.99	91	424039	52.524	ug/l	99
83) tert-Butylbenzene	13.21	119	434337	54.959	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	510027	53.650	ug/l	99
85) sec-Butylbenzene	13.38	105	613462	53.749	ug/l	99
86) p-Isopropyltoluene	13.50	119	572703	54.950	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	255355	50.865	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251141	51.101	ug/l	99
89) n-Butylbenzene	13.82	91	552337	55.379	ug/l	100
90) Hexachloroethane	14.10	117	99062	52.439	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	213265	49.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14022	47.288	ug/l	98

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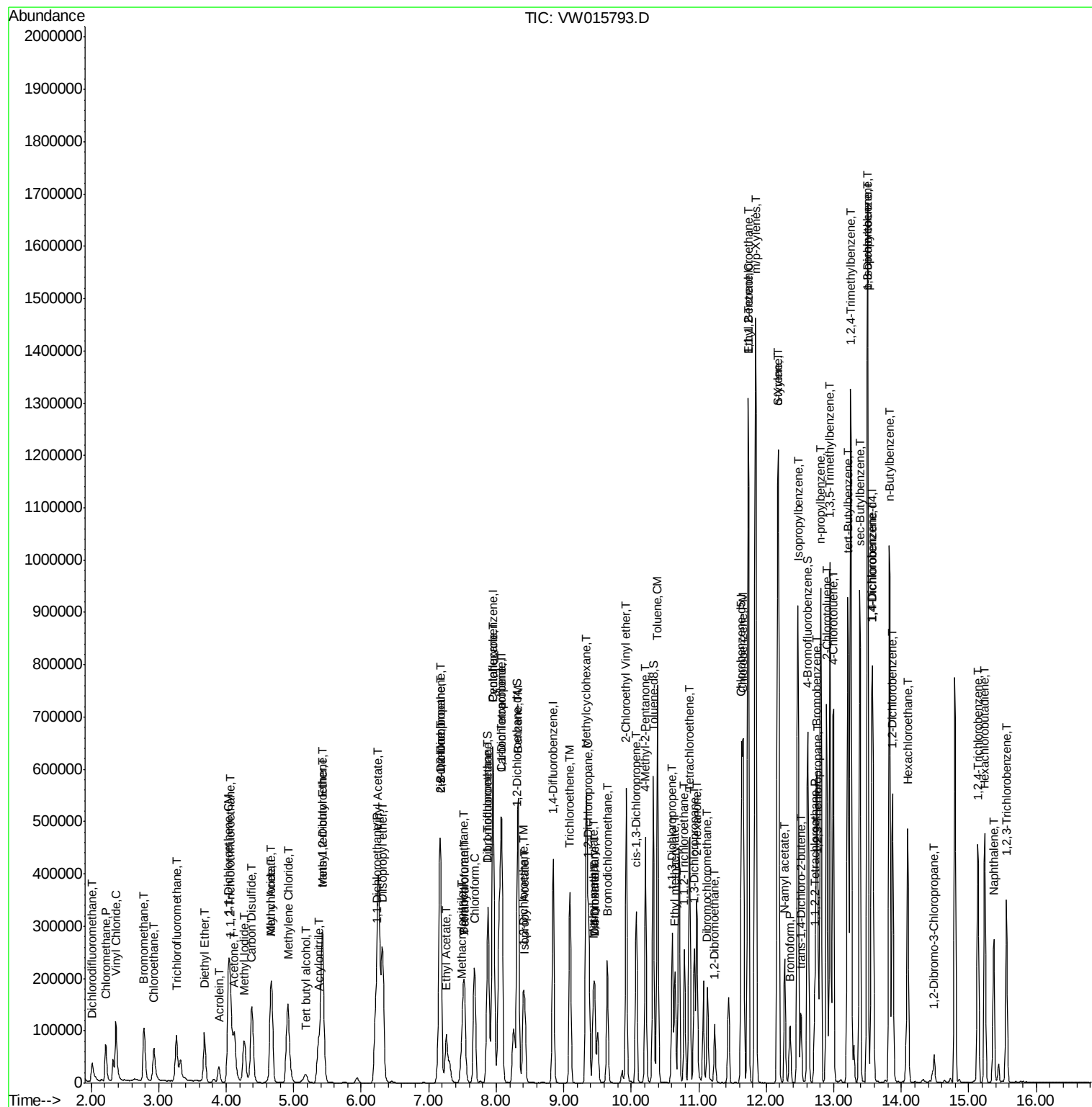
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	142809	52.081	ug/l	98
94) Hexachlorobutadiene	15.24	225	91656	52.647	ug/l	97
95) Naphthalene	15.37	128	232725	45.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	120779	51.764	ug/l	96

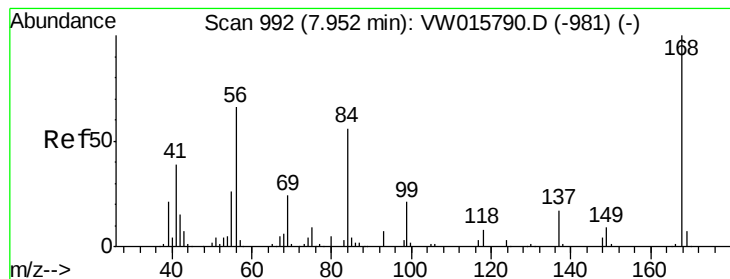
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

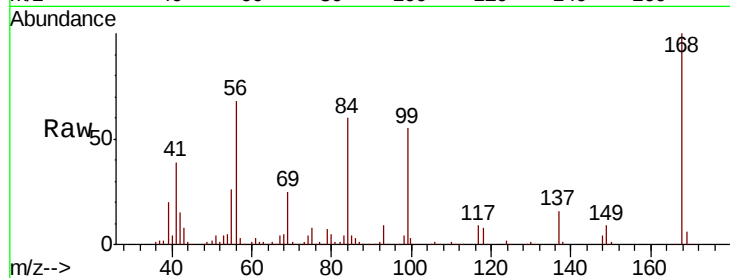
BFB

Tot Ion:168 Resp: 232442

Ion Ratio Lower Upper

168 100

99 54.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

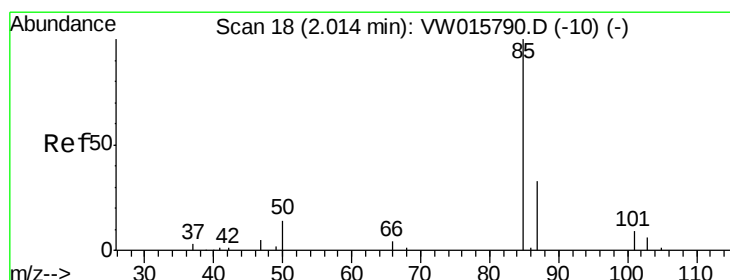
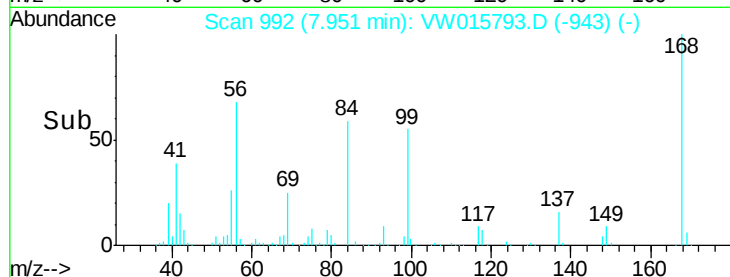
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 55.438 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015793.D

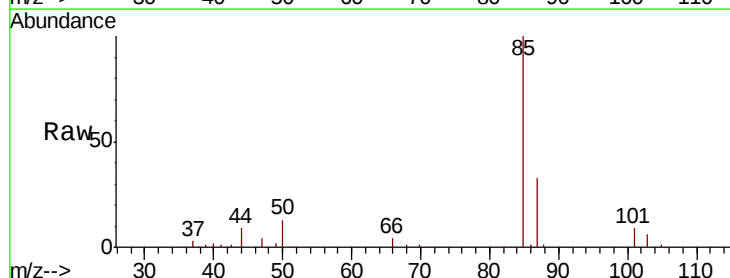
Acq: 07 Jul 2020 14:18

Tgt Ion: 85 Resp: 67865

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

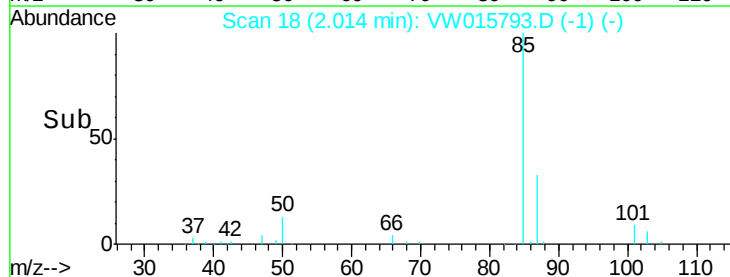
15000

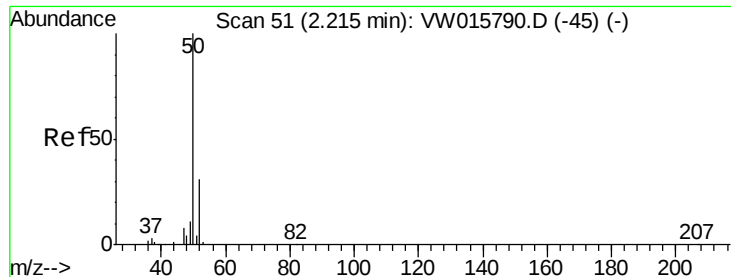
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 48.004 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

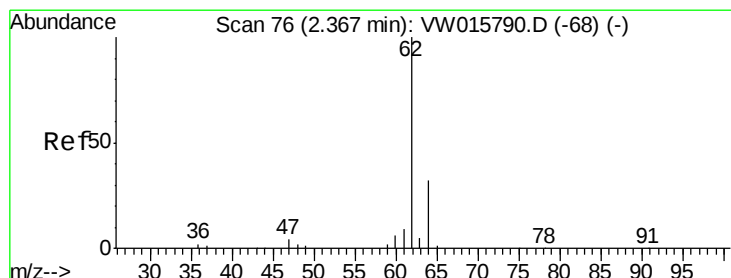
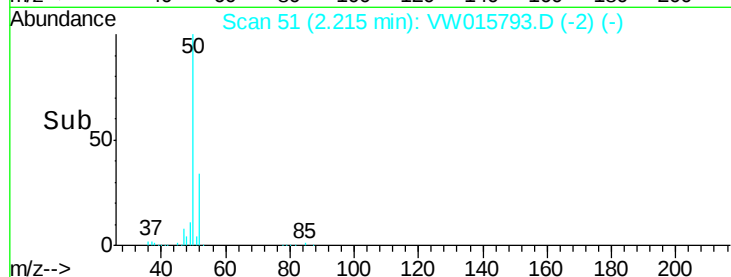
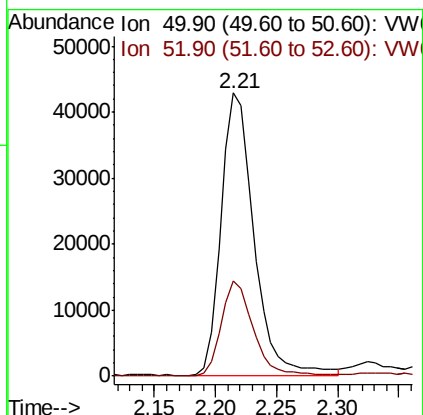
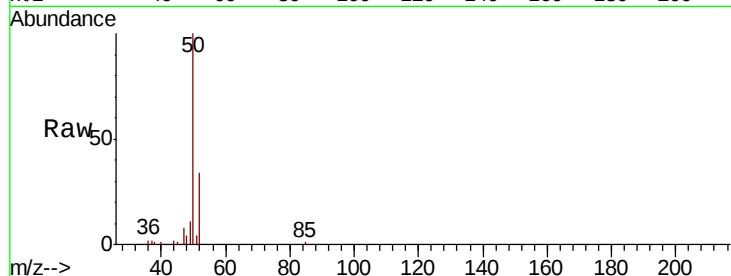
BFB

Tot Ion: 50 Resp: 79806

Ion Ratio Lower Upper

50 100

52 33.7 25.2 37.8



#4

Vinyl Chloride

Concen: 48.943 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015793.D

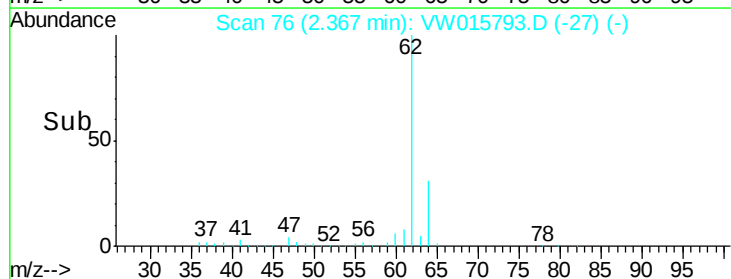
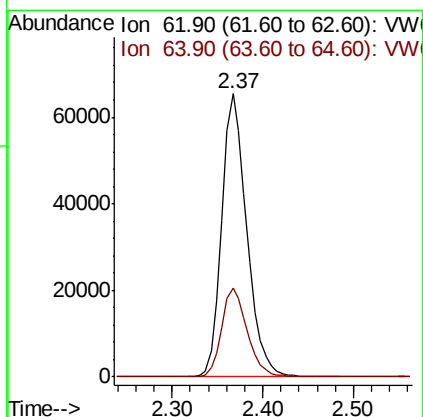
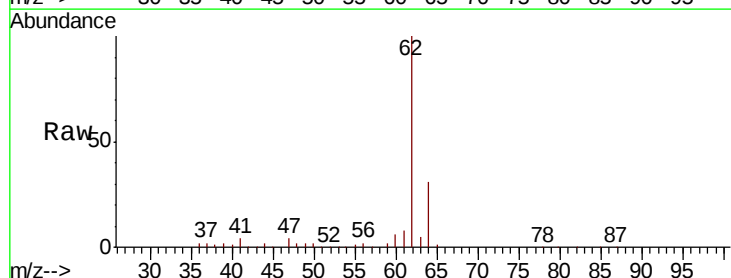
Acq: 07 Jul 2020 14:18

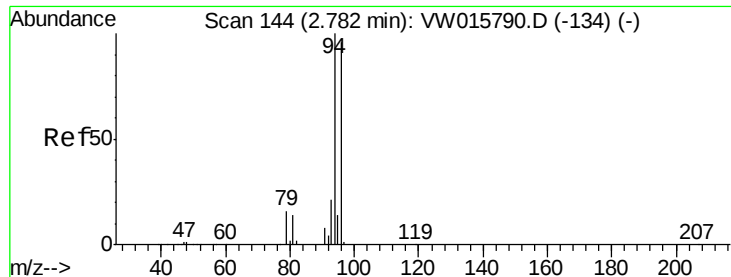
Tgt Ion: 62 Resp: 125633

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 43.966 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

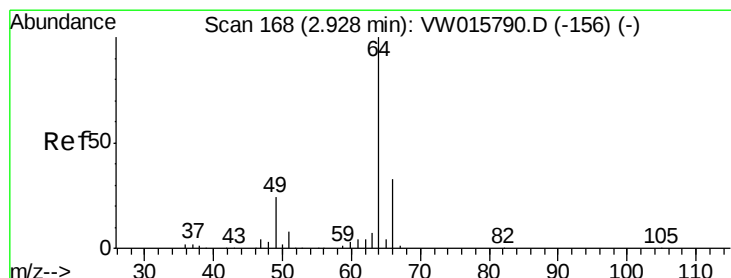
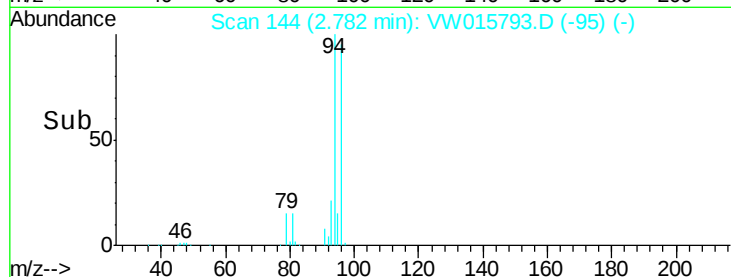
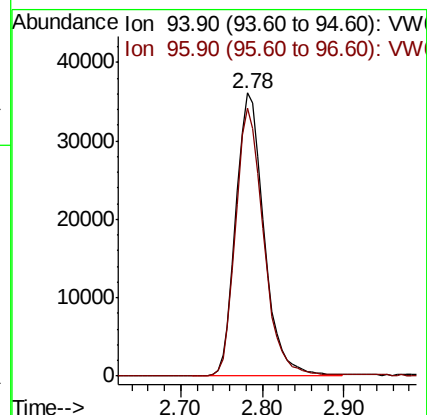
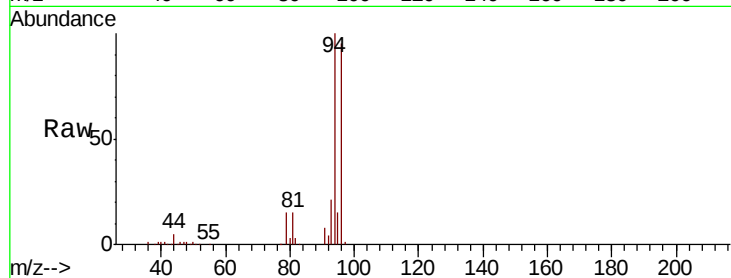
BFB

Tot Ion: 94 Resp: 86354

Ion Ratio Lower Upper

94 100

96 94.9 76.7 115.1



#6

Chloroethane

Concen: 47.893 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015793.D

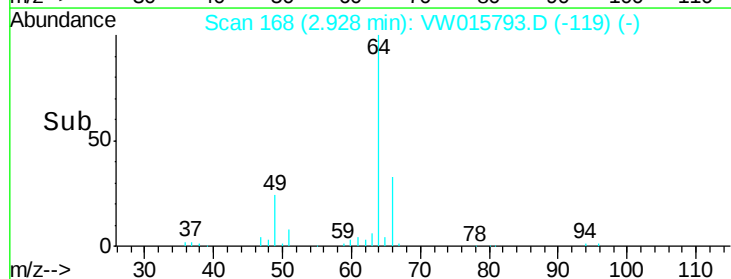
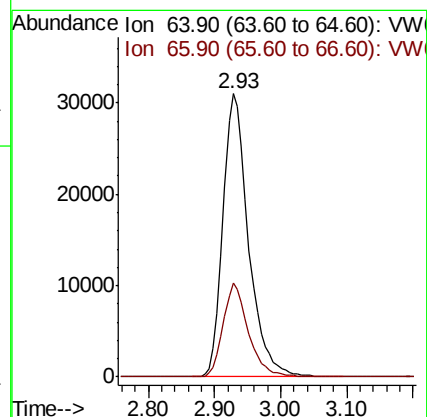
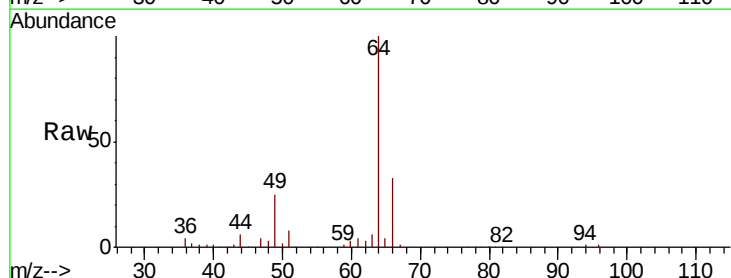
Acq: 07 Jul 2020 14:18

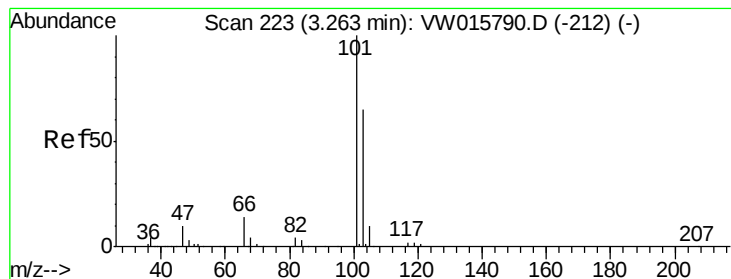
Tgt Ion: 64 Resp: 82968

Ion Ratio Lower Upper

64 100

66 33.4 26.0 39.0



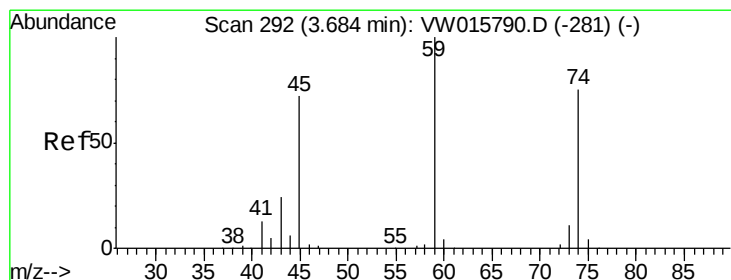
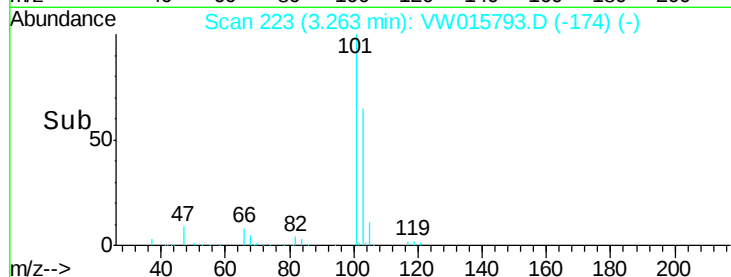
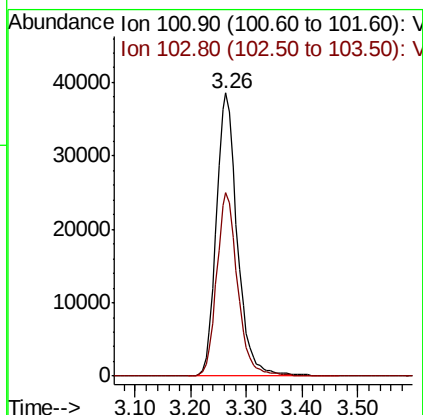
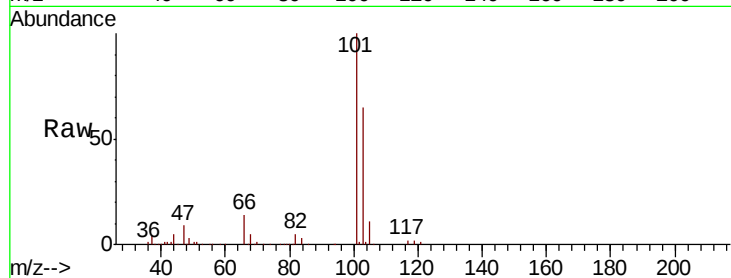


#7

Trichlorofluoromethane
 Concen: 54.689 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015793.D
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Instrument :
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 ClientSampled :
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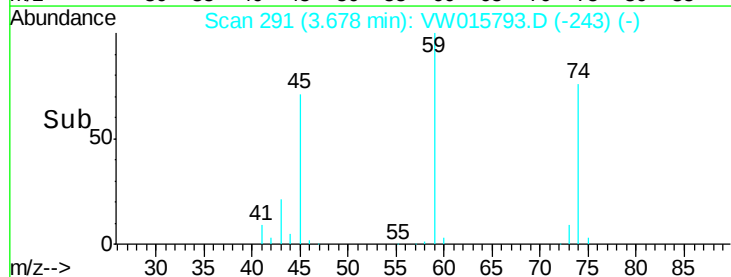
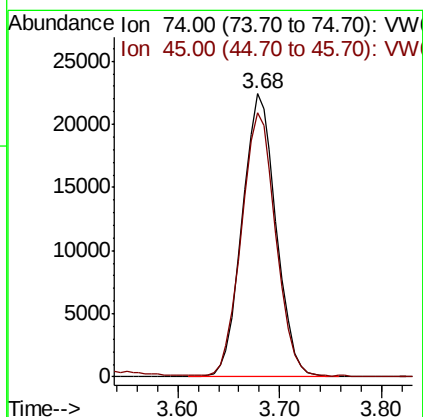
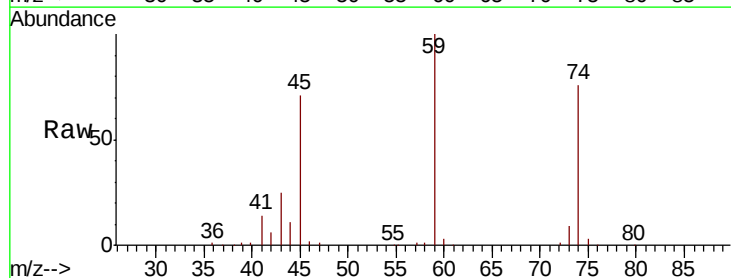
Tot Ion:101 Resp: 100890
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.4

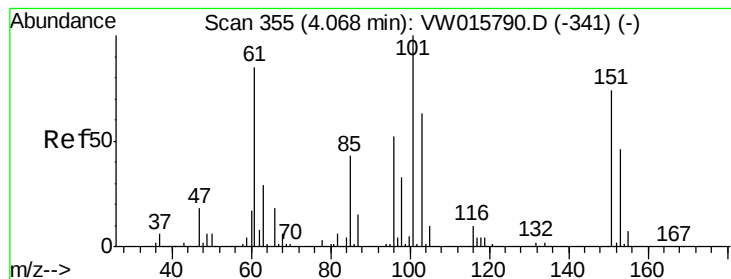


#8

Diethyl Ether
 Concen: 45.010 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 74 Resp: 51736
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.986 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015793.D

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ClientSampleId :

BFB

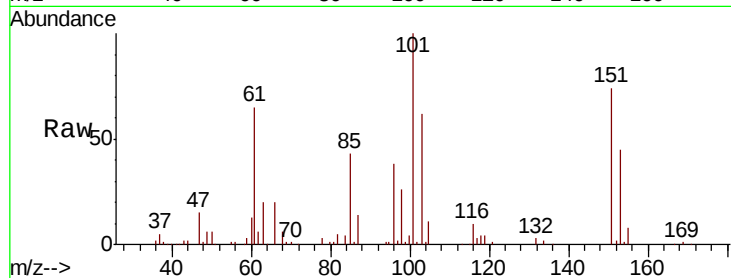
Tot Ion:101 Resp: 107945

Ion Ratio Lower Upper

101 100

85 44.7 36.1 54.1

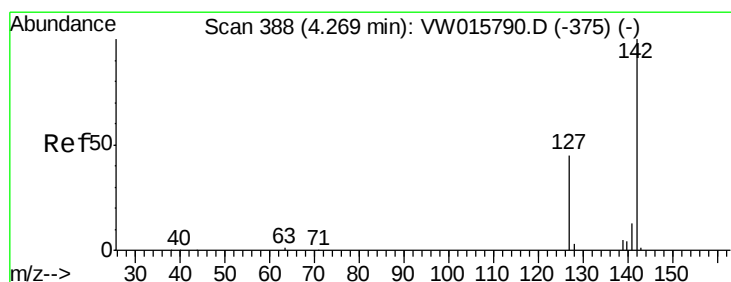
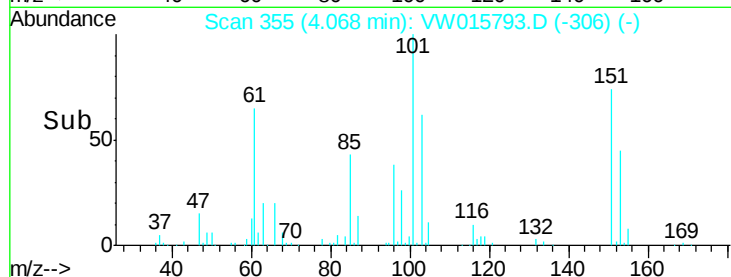
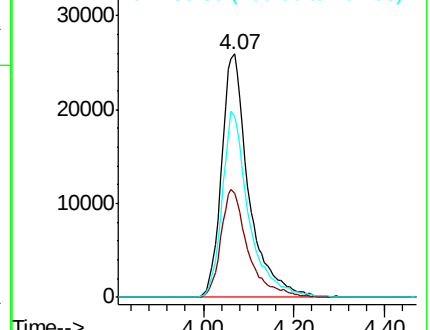
151 74.9 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.694 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

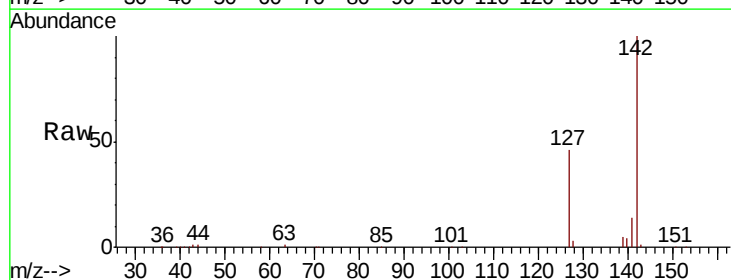
Tgt Ion:142 Resp: 150043

Ion Ratio Lower Upper

142 100

127 45.3 36.1 54.1

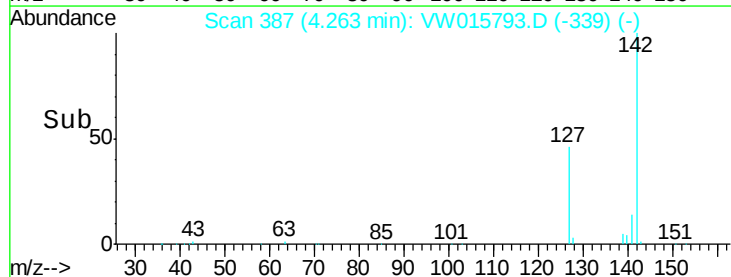
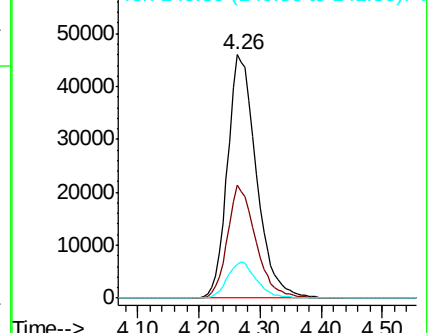
141 14.8 11.7 17.5

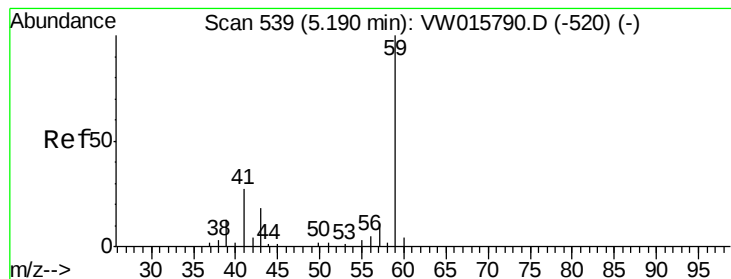


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



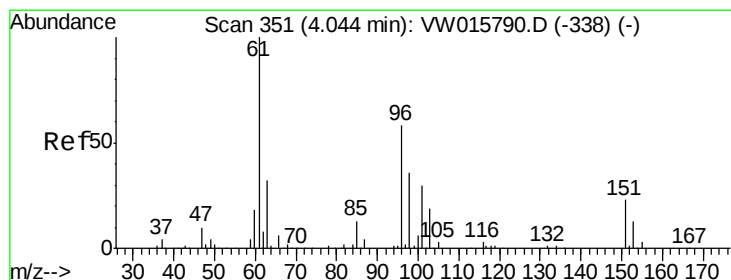
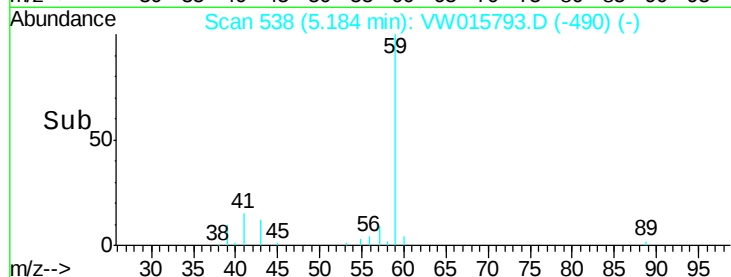
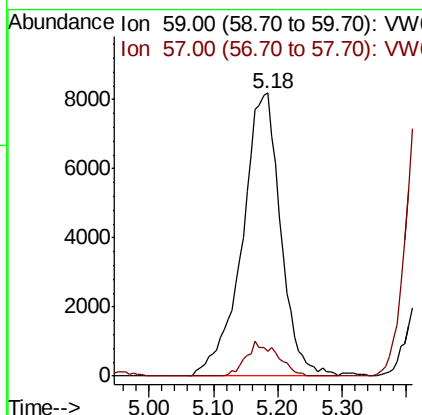
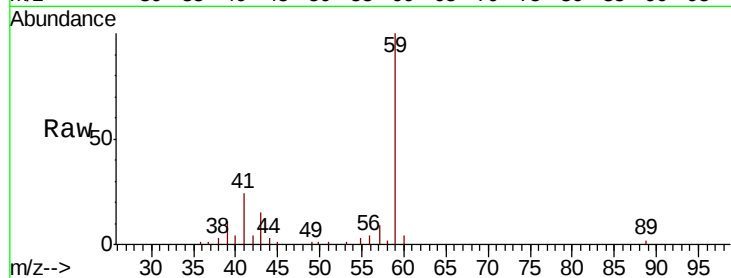


#11

Tert butyl alcohol
 Concen: 270.250 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

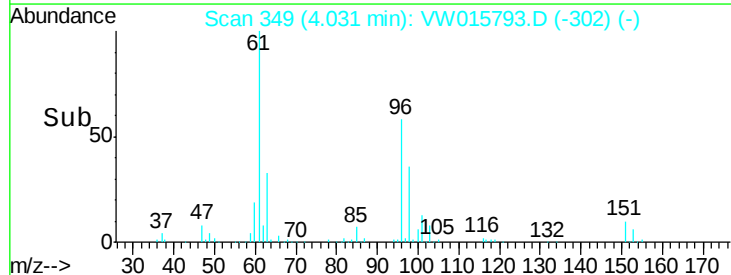
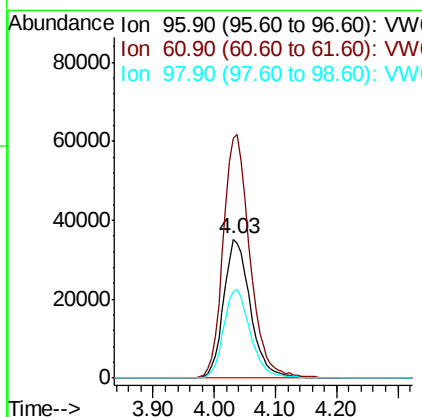
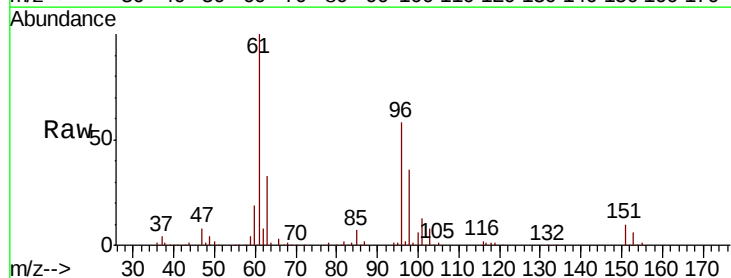
Tot Ion: 59 Resp: 33686
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.7 13.1

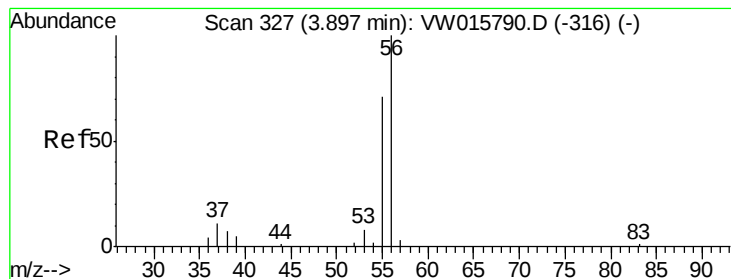


#12

1,1-Dichloroethene
 Concen: 50.021 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 96 Resp: 106205
 Ion Ratio Lower Upper
 96 100
 61 172.6 137.0 205.4
 98 61.9 49.3 73.9





#13

Acrolein

Concen: 217.604 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

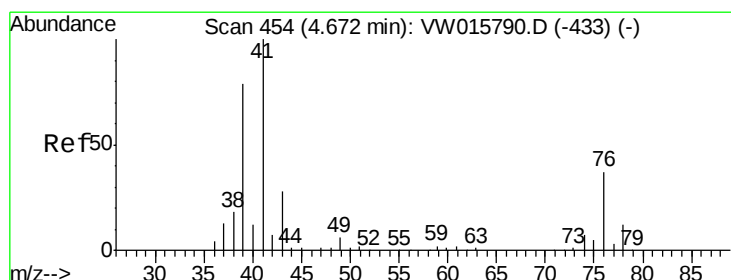
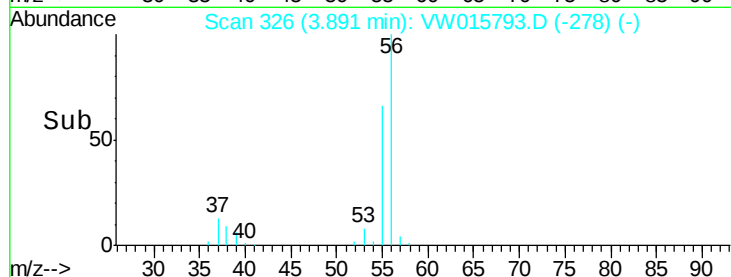
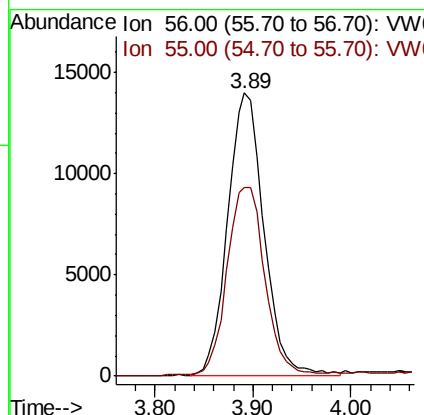
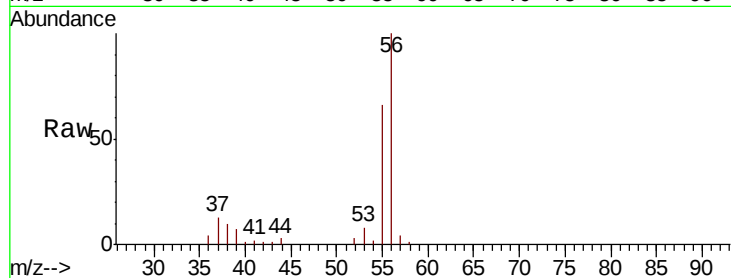
BFB

Tot Ion: 56 Resp: 36132

Ion Ratio Lower Upper

56 100

55 70.1 55.8 83.6



#14

Allyl chloride

Concen: 50.043 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

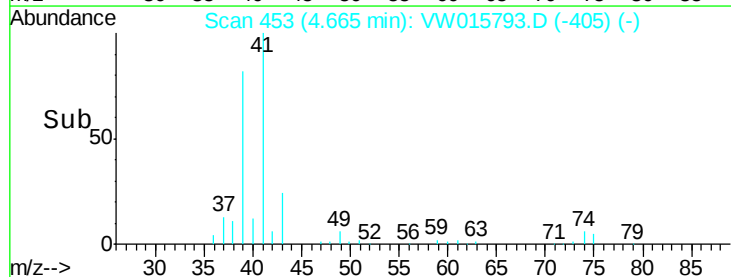
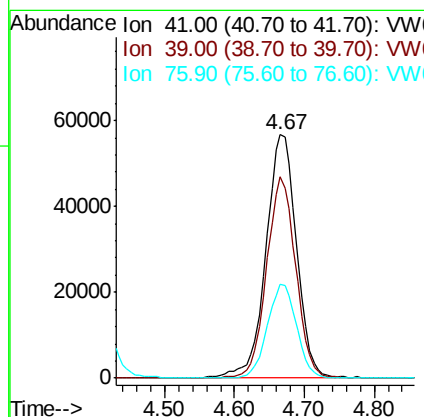
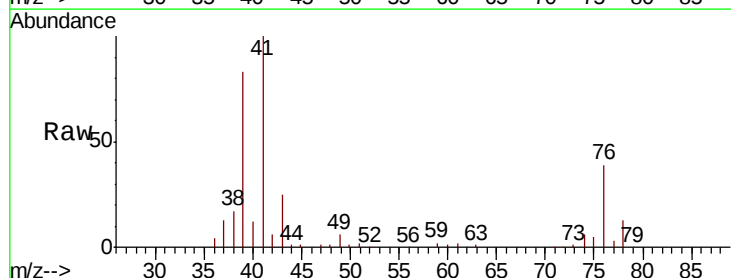
Tgt Ion: 41 Resp: 172697

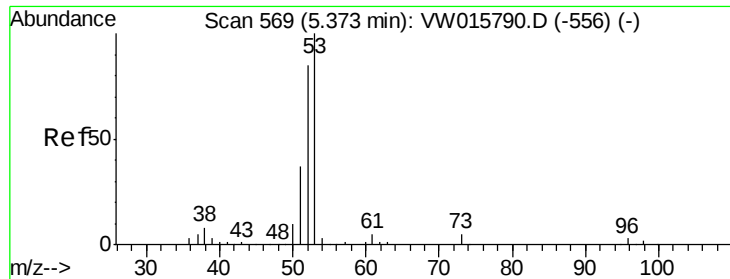
Ion Ratio Lower Upper

41 100

39 78.9 64.0 96.0

76 36.7 28.9 43.3





#15

Acrylonitrile

Concen: 223.122 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

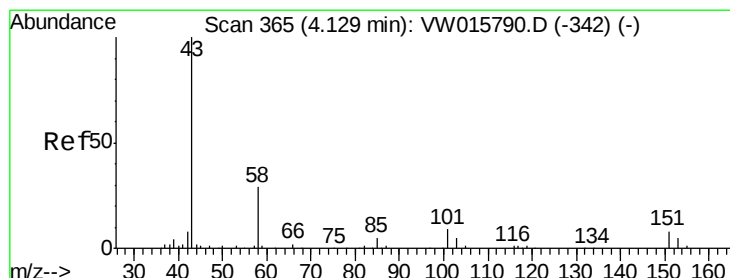
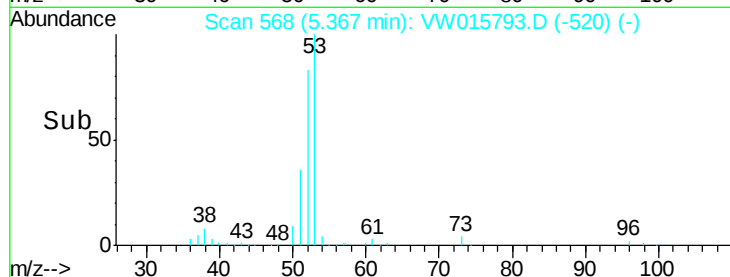
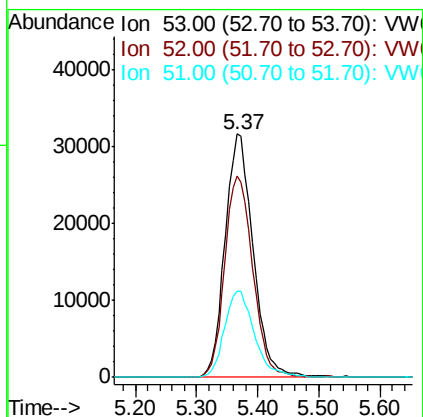
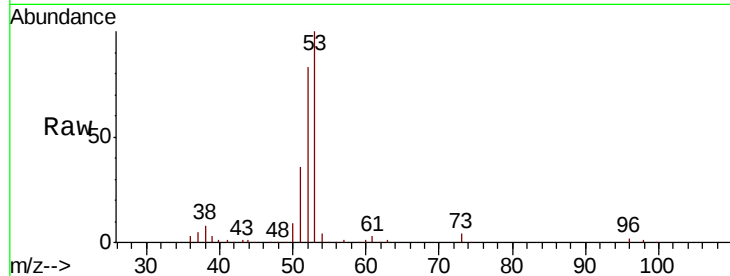
Tot Ion: 53 Resp: 100274

Ion Ratio Lower Upper

53 100

52 82.8 65.8 98.8

51 38.0 30.2 45.2



#16

Acetone

Concen: 274.697 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015793.D

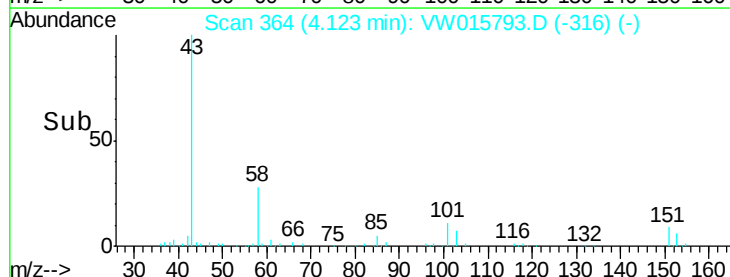
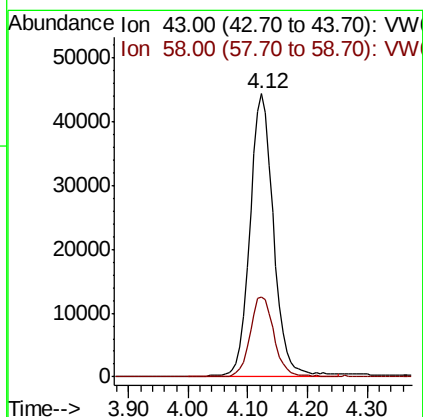
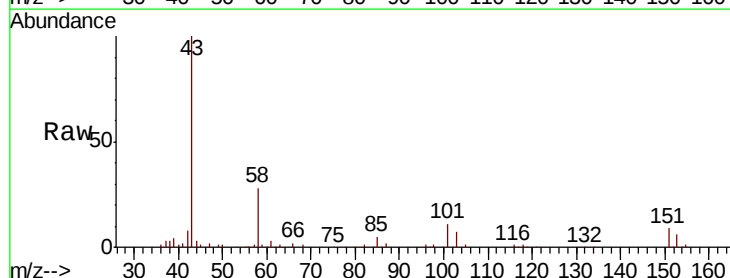
Acq: 07 Jul 2020 14:18

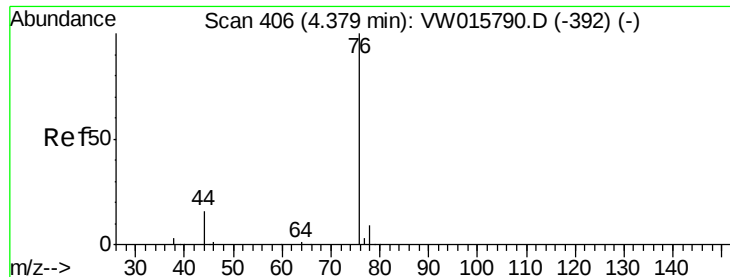
Tgt Ion: 43 Resp: 123026

Ion Ratio Lower Upper

43 100

58 28.2 23.5 35.3





#17

Carbon Disulfide

Concen: 50.199 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

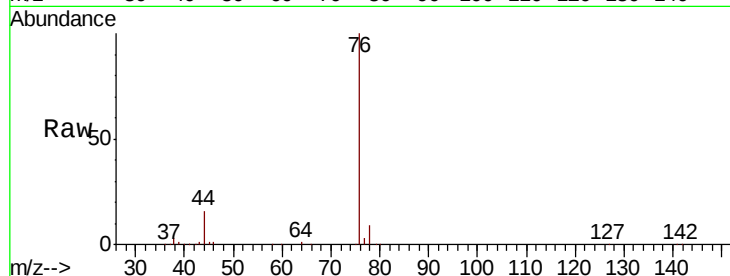
BFB

Tot Ion: 76 Resp: 317058

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

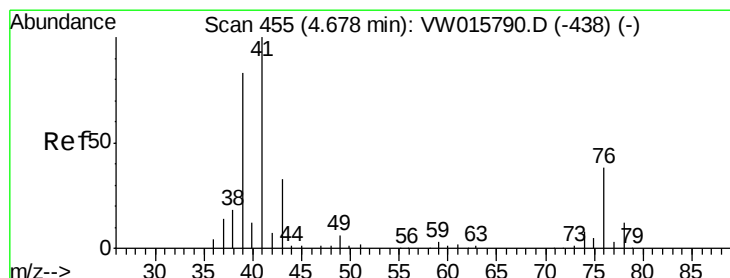
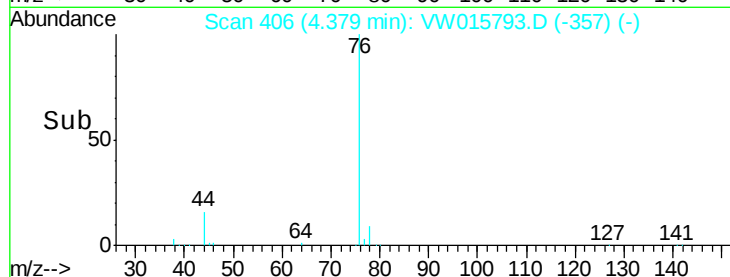
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 42.767 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015793.D

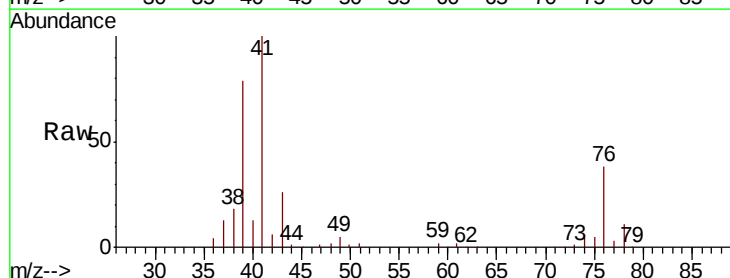
Acq: 07 Jul 2020 14:18

Tgt Ion: 43 Resp: 43589

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

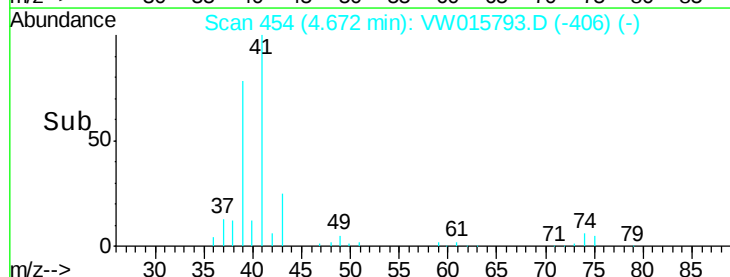
15000

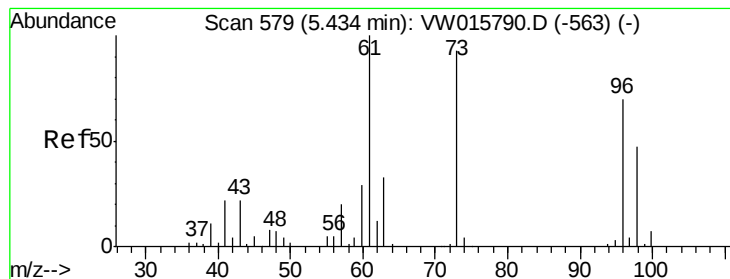
10000

5000

0

Time-->



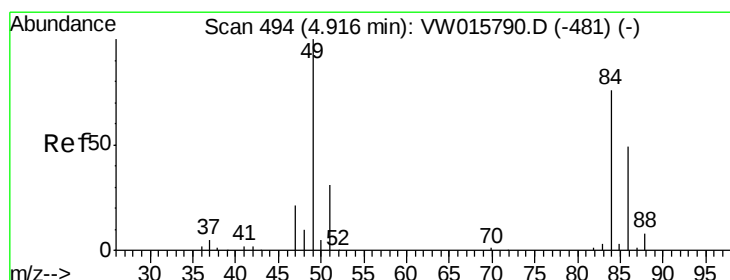
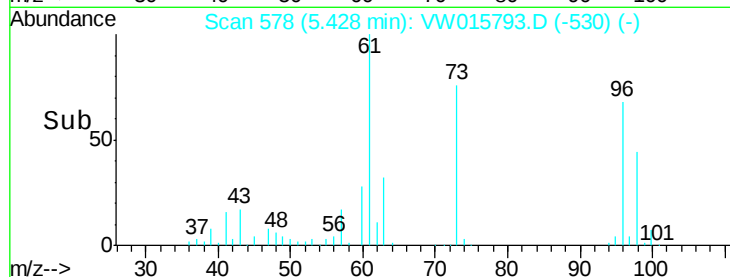
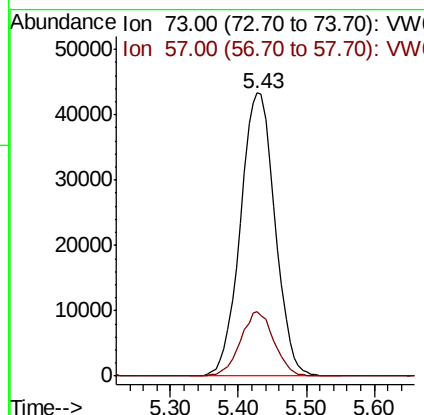
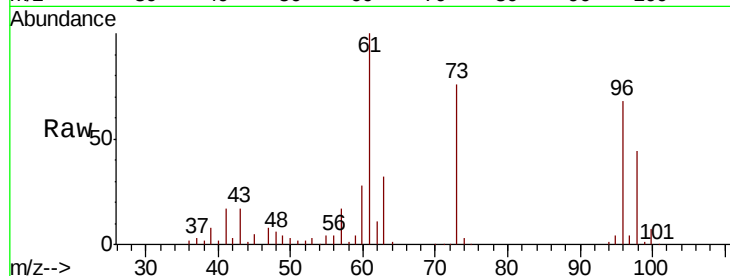


#19

Methyl tert-butyl Ether
 Concen: 48.073 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

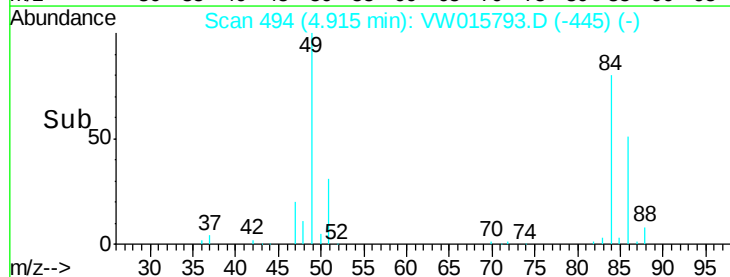
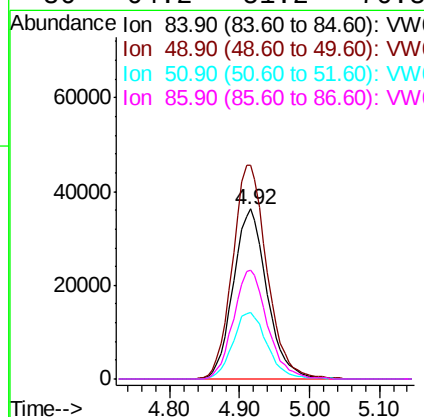
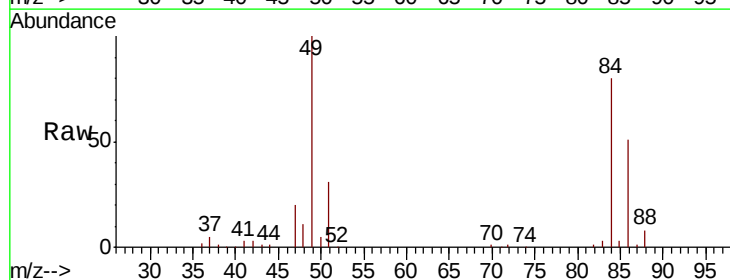
Tot Ion: 73 Resp: 152764
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

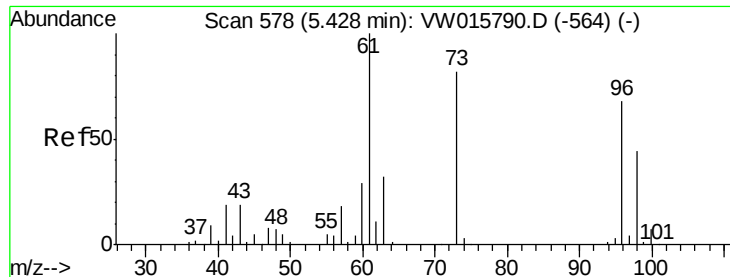


#20

Methylene Chloride
 Concen: 53.284 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 84 Resp: 121896
 Ion Ratio Lower Upper
 84 100
 49 125.5 105.0 157.6
 51 38.9 32.3 48.5
 86 64.2 51.2 76.8

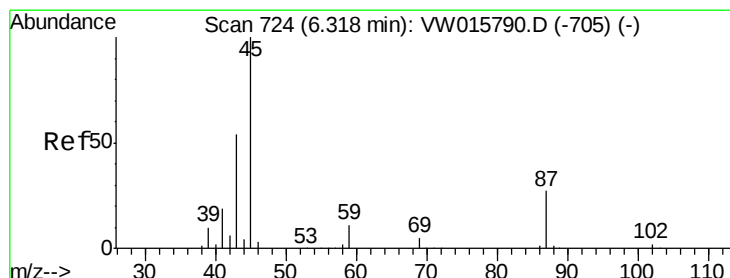
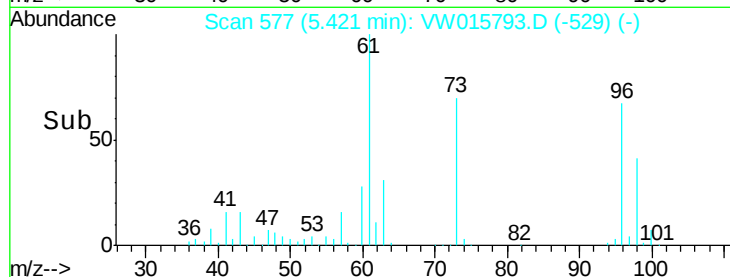
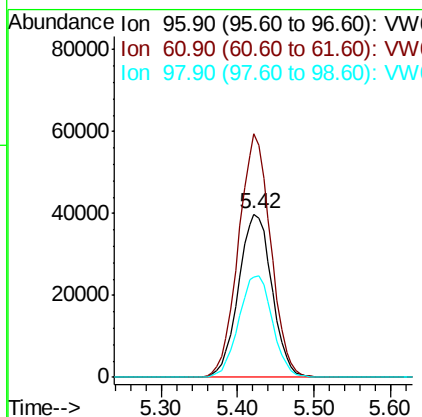
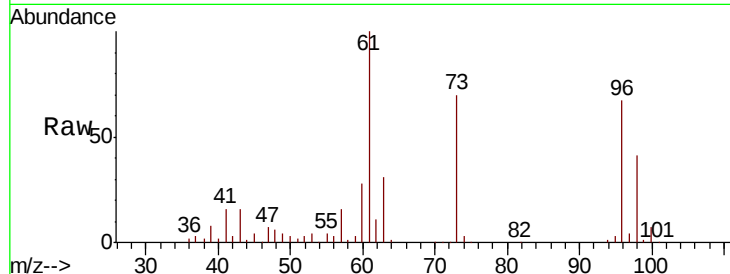




#21
trans-1,2-Dichloroethene
Concen: 49.216 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

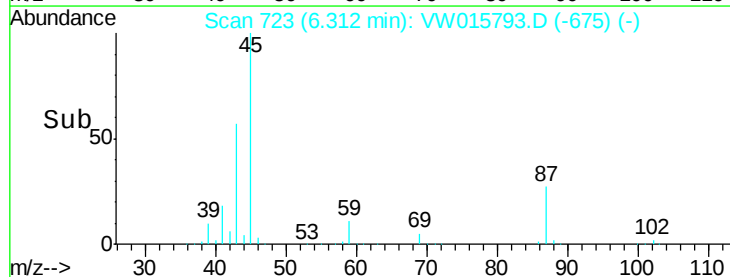
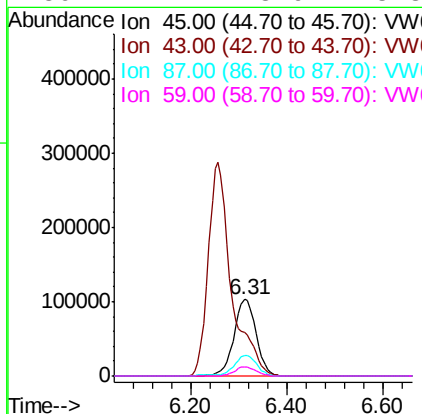
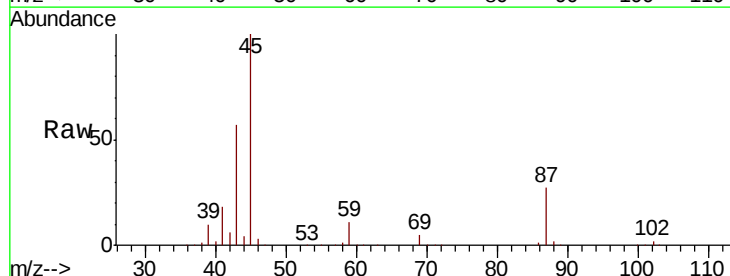
Instrument :
MSVOA_W
ClientSampleId :
BFB

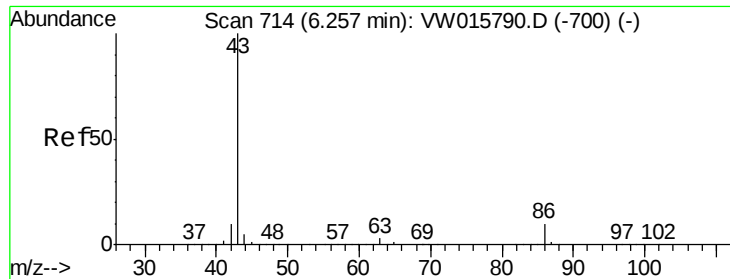
Tot Ion: 96 Resp: 121033
Ion Ratio Lower Upper
96 100
61 149.3 118.1 177.1
98 61.8 52.6 78.8



#22
Diisopropyl ether
Concen: 47.870 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion: 45 Resp: 332902
Ion Ratio Lower Upper
45 100
43 56.3 43.8 65.6
87 27.3 22.1 33.1
59 11.4 8.9 13.3





#23

Vinyl Acetate

Concen: 232.485 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

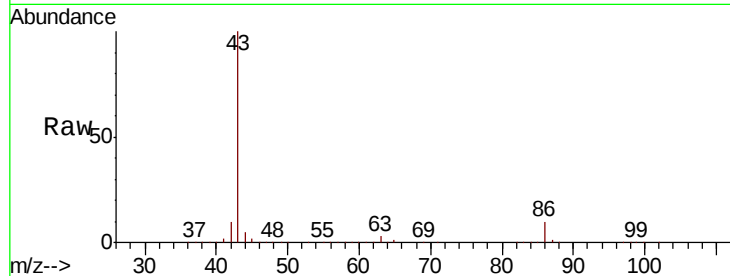
BFB

Tot Ion: 43 Resp: 961631

Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

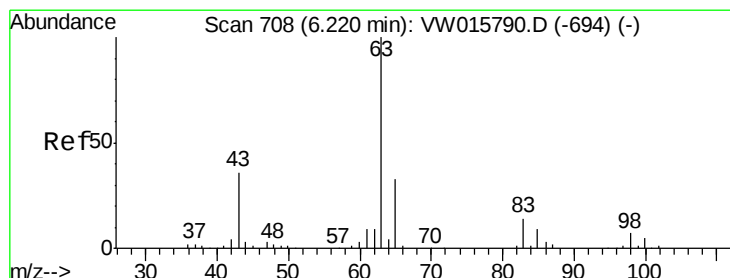
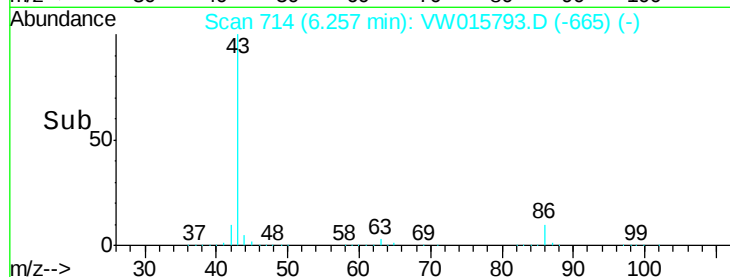
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.706 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

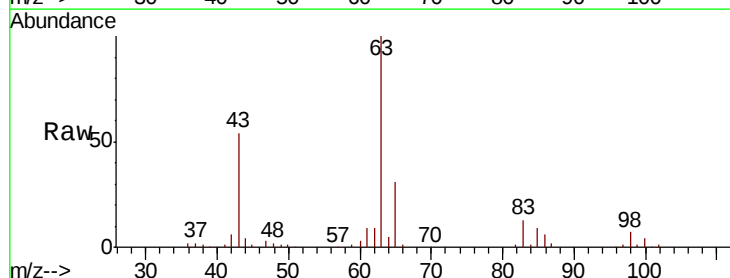
Tgt Ion: 63 Resp: 210049

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

80000

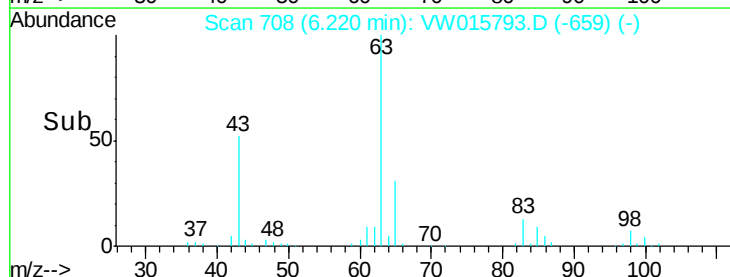
60000

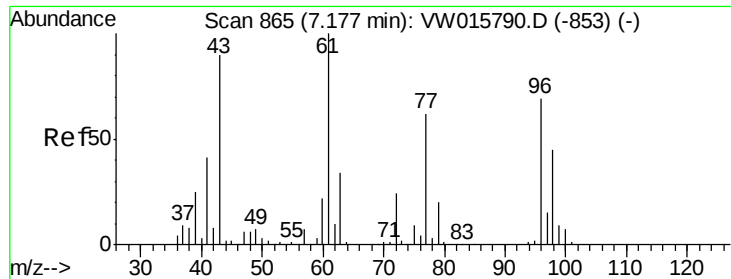
40000

20000

0

Time-->





#25

2-Butanone

Concen: 236.454 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

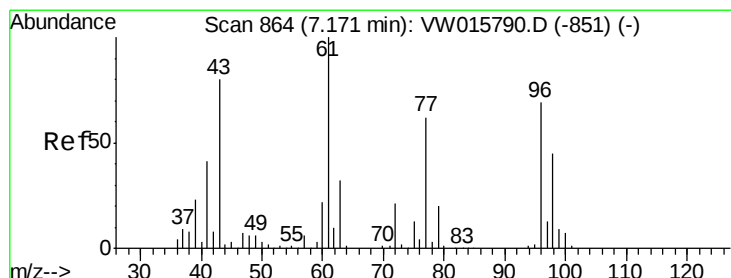
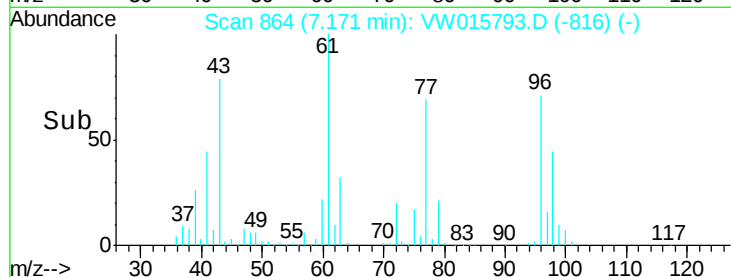
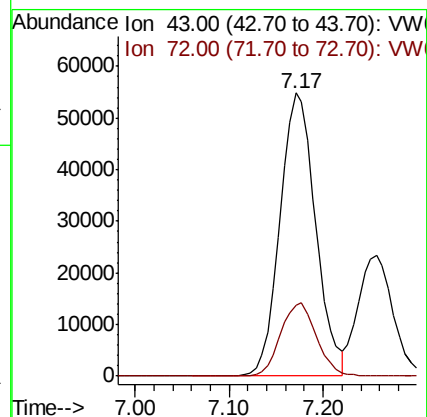
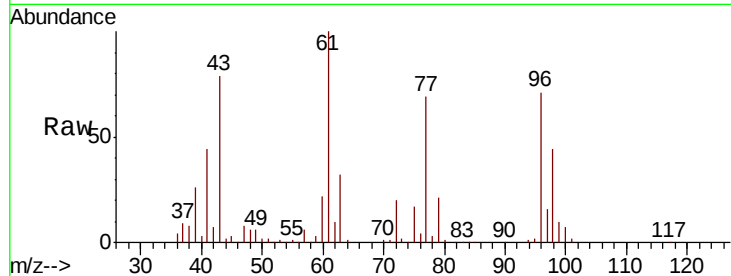
BFB

Tot Ion: 43 Resp: 143746

Ion Ratio Lower Upper

43 100

72 25.3 21.3 31.9



#26

2,2-Dichloropropane

Concen: 50.522 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015793.D

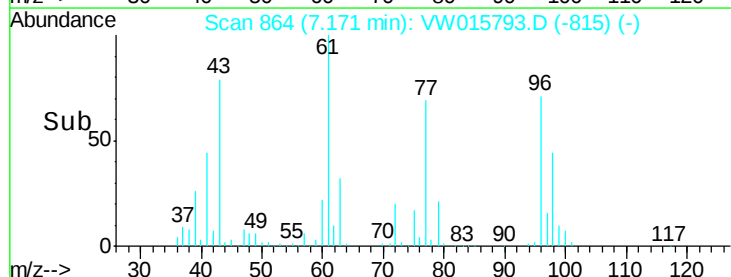
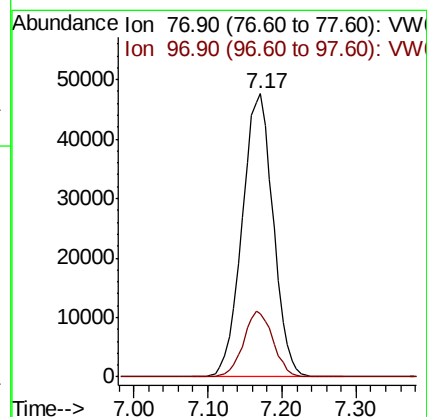
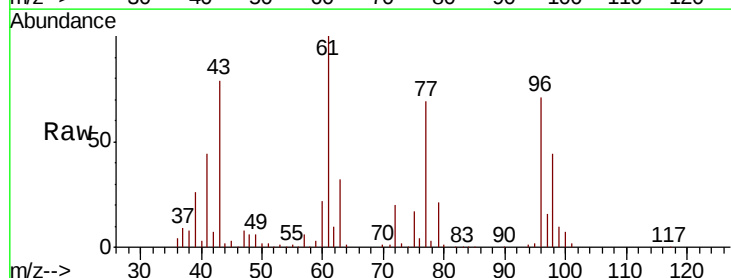
Acq: 07 Jul 2020 14:18

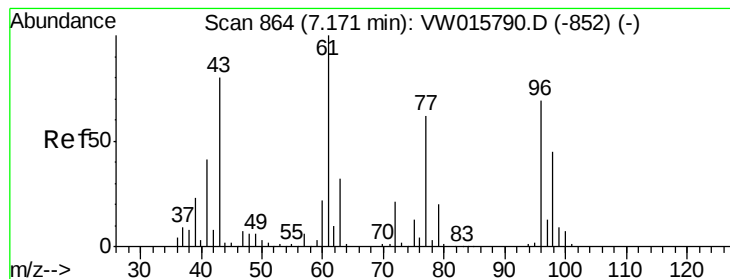
Tgt Ion: 77 Resp: 139554

Ion Ratio Lower Upper

77 100

97 22.1 11.0 33.0



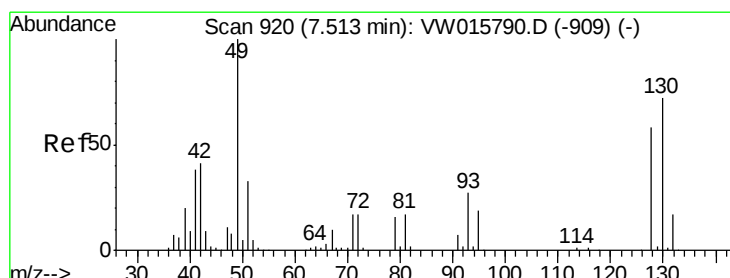
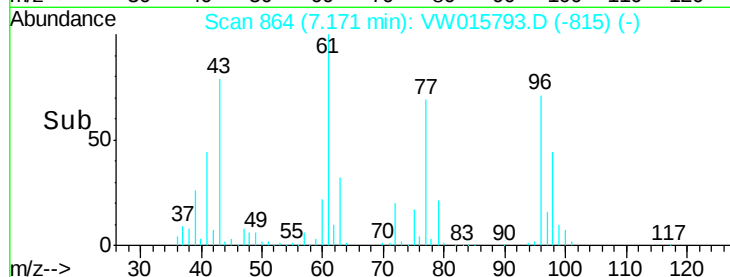
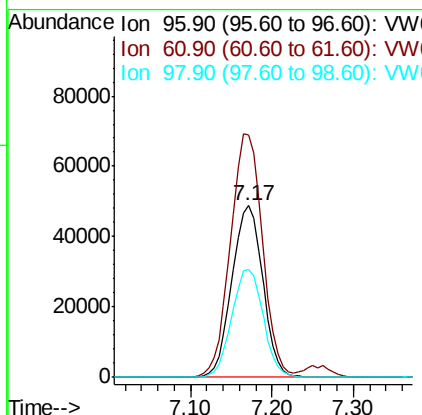
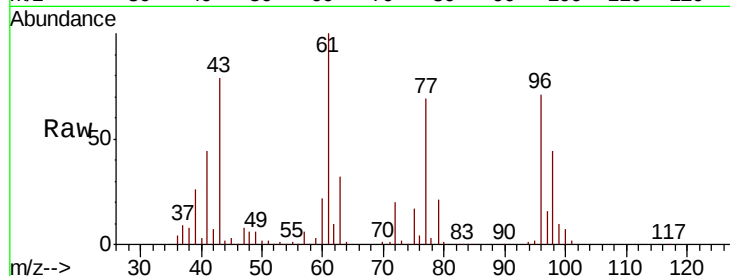


#27

cis-1,2-Dichloroethene
Concen: 48.481 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampled :
BFB

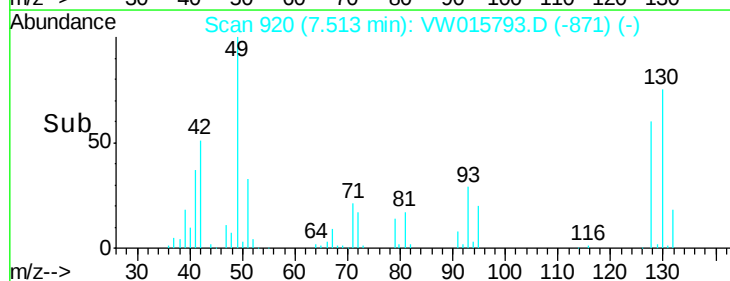
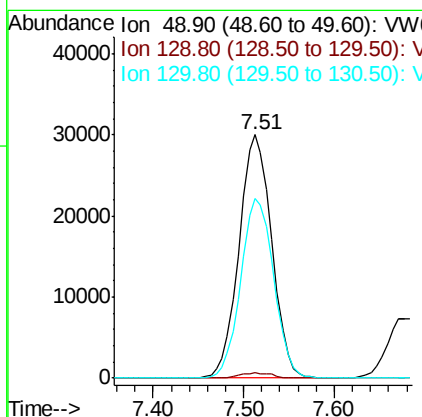
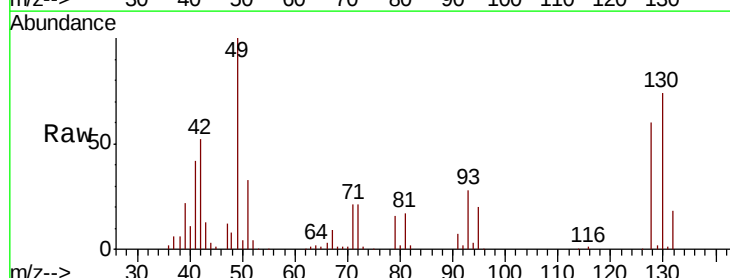
Tot Ion: 96 Resp: 128020
Ion Ratio Lower Upper
96 100
61 147.0 0.0 292.2
98 63.9 0.0 129.0



#28

Bromochloromethane
Concen: 42.912 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion: 49 Resp: 74903
Ion Ratio Lower Upper
49 100
129 2.1 0.0 2.6
130 74.6 59.5 89.3





#29

Tetrahydrofuran

Concen: 226.288 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

BFB

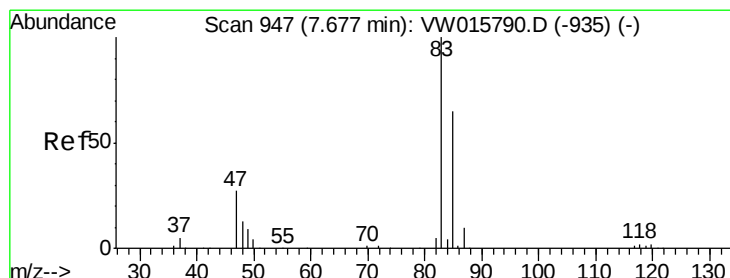
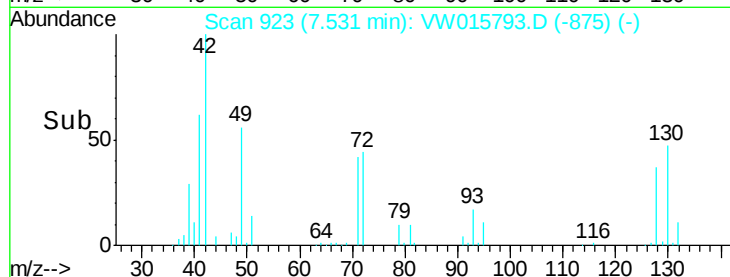
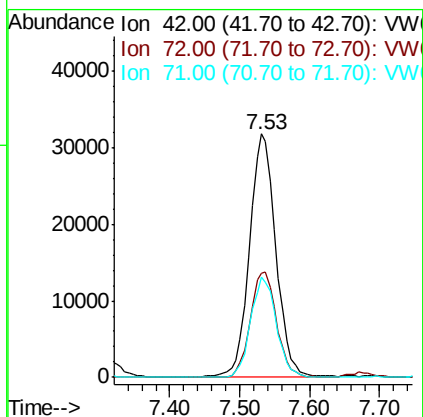
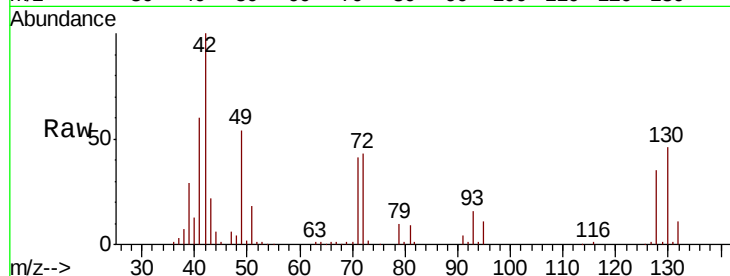
Tot Ion: 42 Resp: 83479

Ion Ratio Lower Upper

42 100

72 42.8 34.6 51.8

71 40.0 32.8 49.2



#30

Chloroform

Concen: 46.380 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015793.D

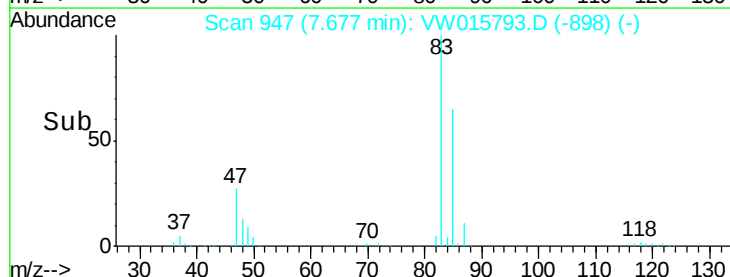
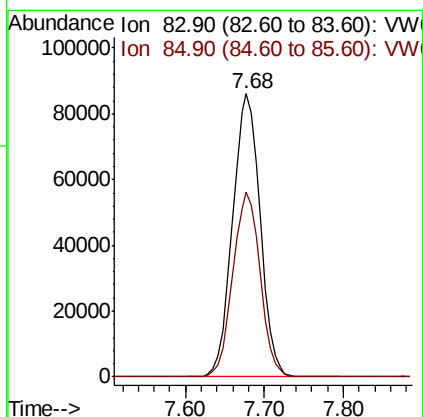
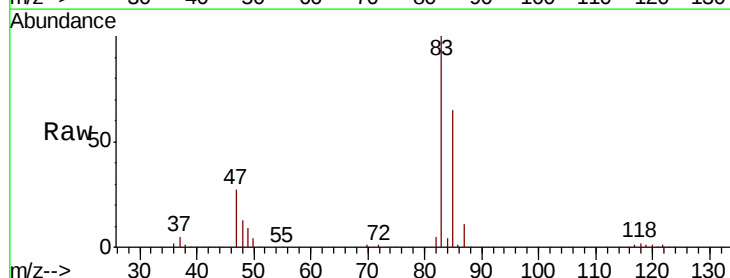
Acq: 07 Jul 2020 14:18

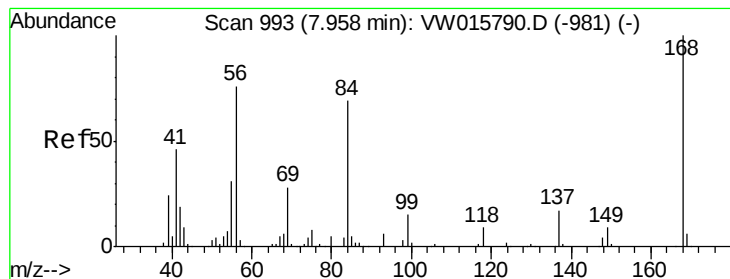
Tgt Ion: 83 Resp: 208752

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4





#31

Cyclohexane

Concen: 48.228 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

BFB

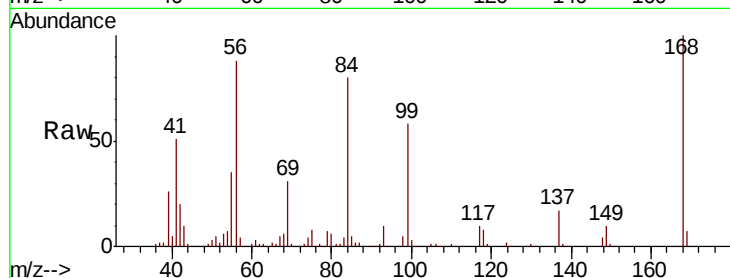
Tot Ion: 56 Resp: 199848

Ion Ratio Lower Upper

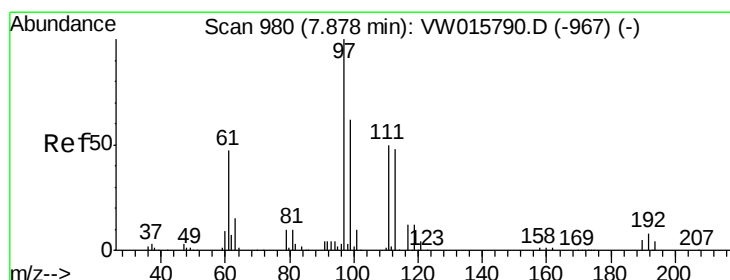
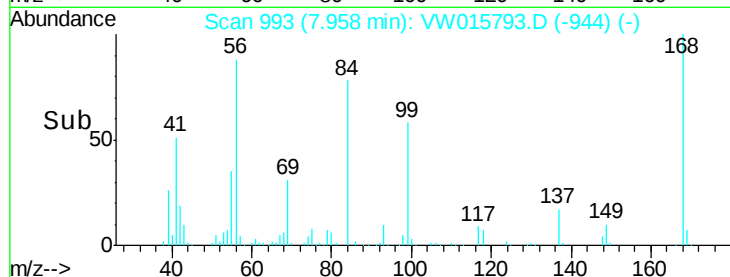
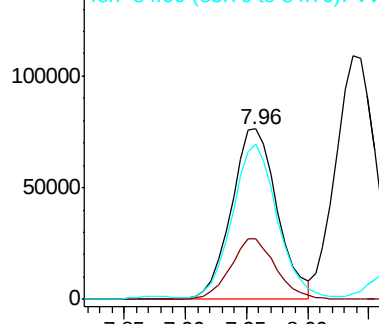
56 100

69 35.3 28.9 43.3

84 89.2 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.105 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

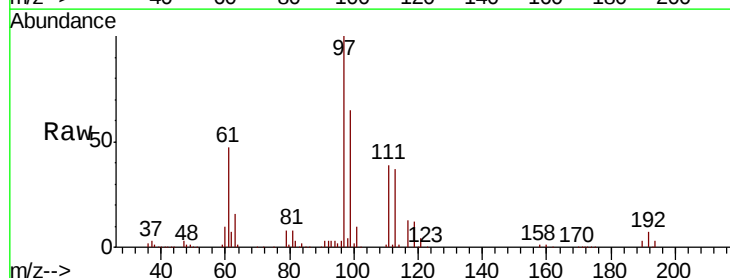
Tgt Ion: 97 Resp: 185327

Ion Ratio Lower Upper

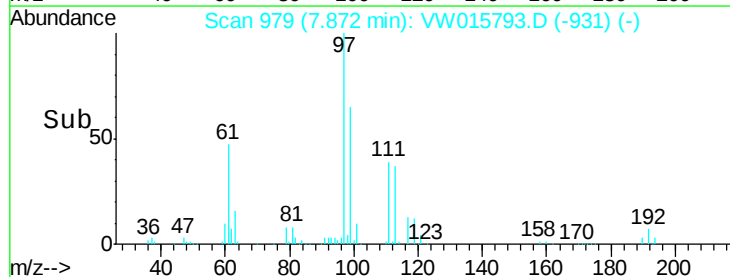
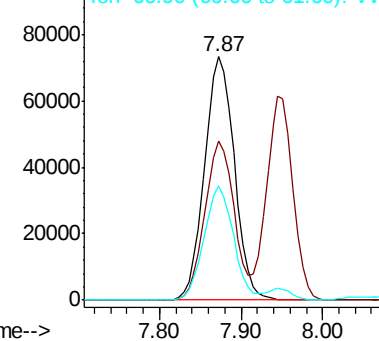
97 100

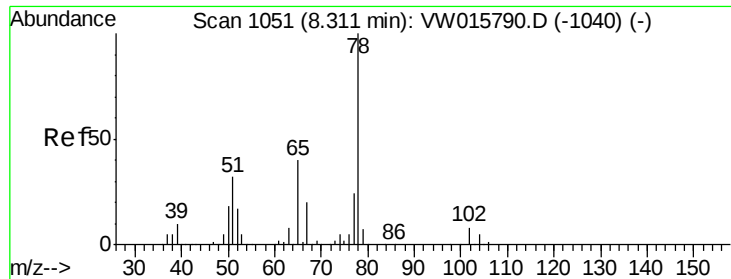
99 63.9 51.0 76.4

61 46.2 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

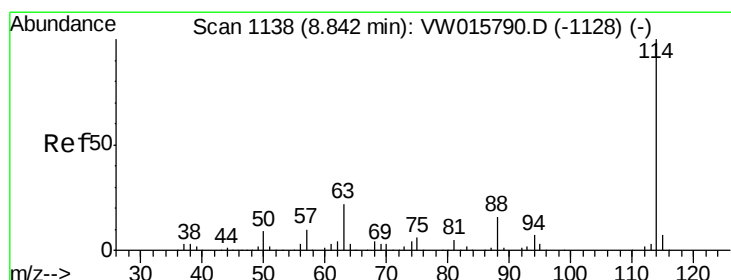
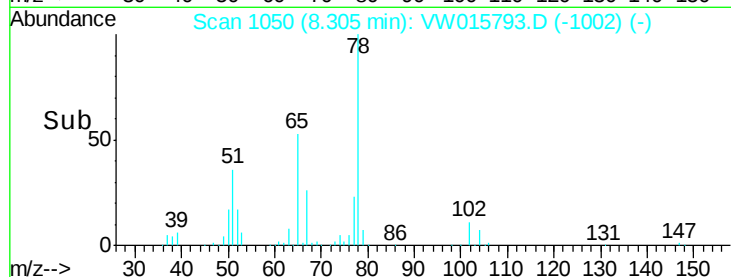
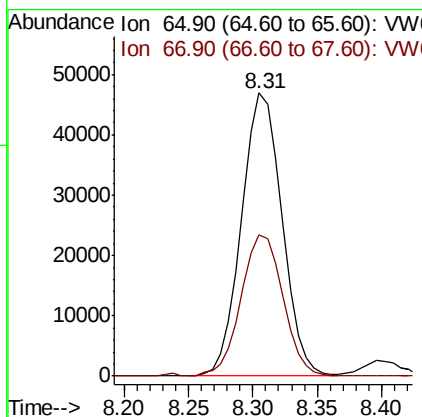
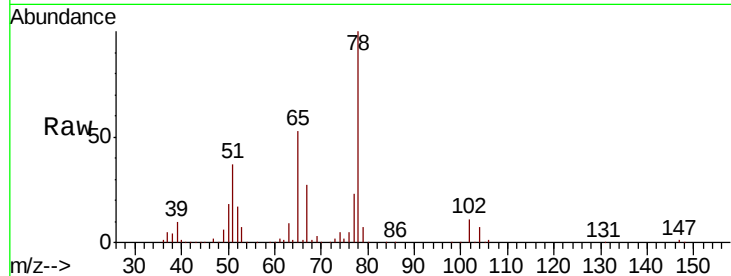




#33
 1,2-Dichloroethane-d4
 Concen: 42.857 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

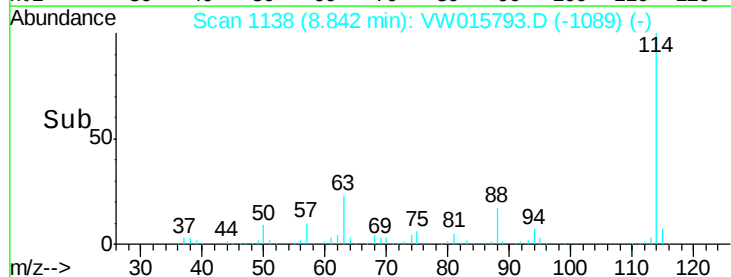
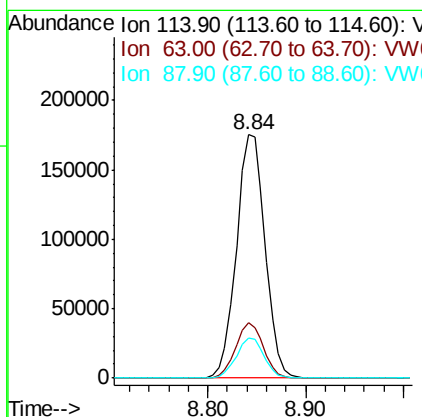
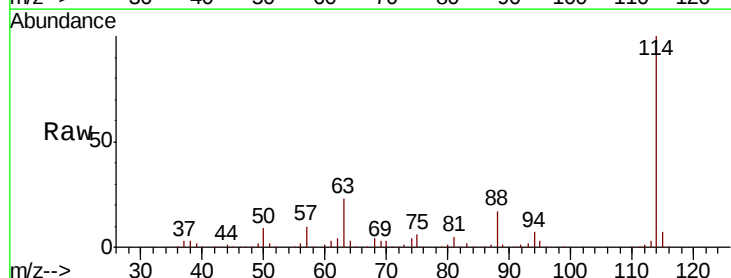
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

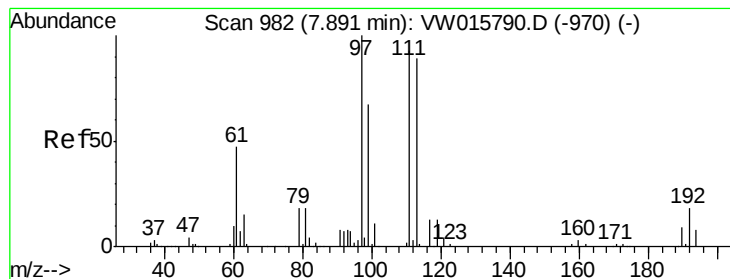
Tot Ion: 65 Resp: 102581
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 114 Resp: 354421
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.4
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.281 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

BFB

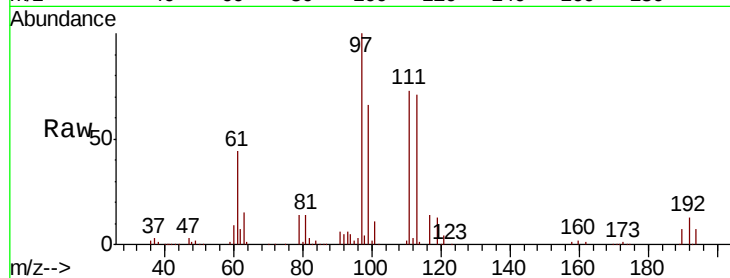
Tot Ion:113 Resp: 95698

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

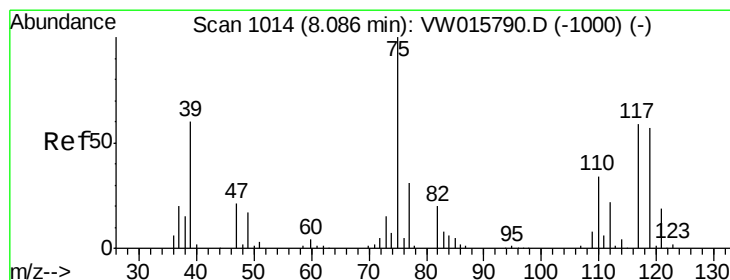
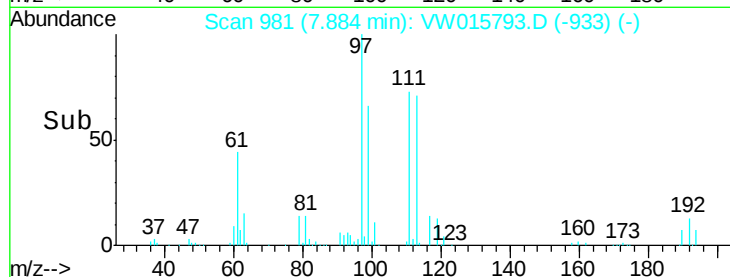
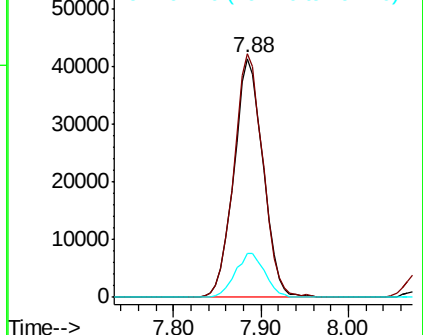
192 18.8 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.414 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

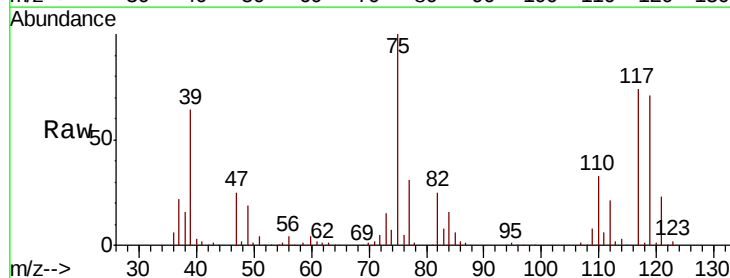
Tgt Ion: 75 Resp: 179626

Ion Ratio Lower Upper

75 100

110 33.2 16.8 50.3

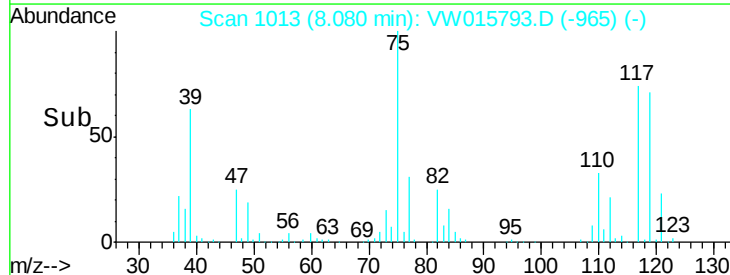
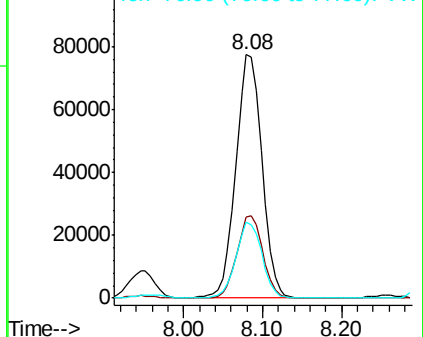
77 31.0 24.7 37.1

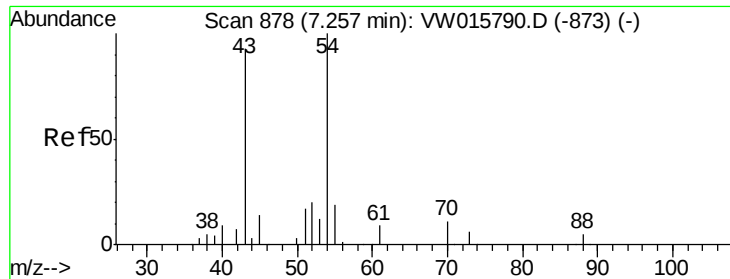


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

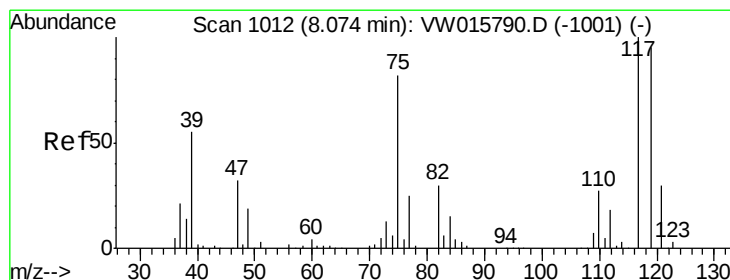
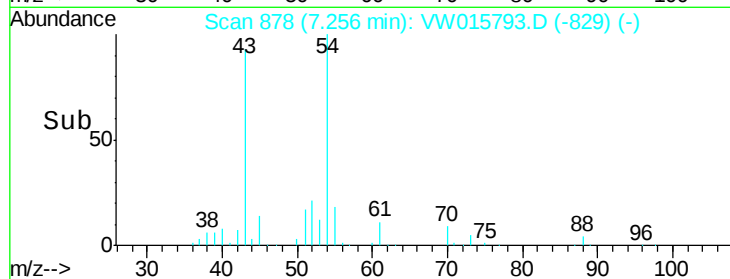
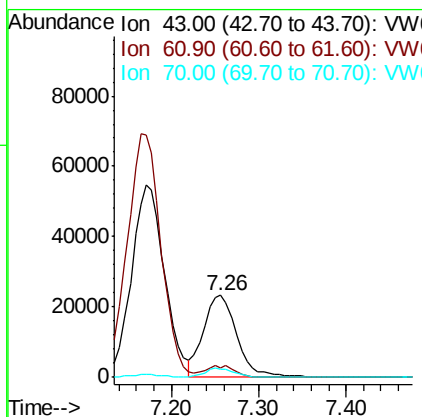
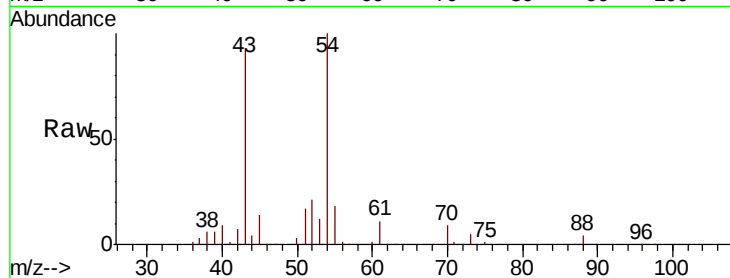




#37
Ethyl Acetate
Concen: 44.961 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

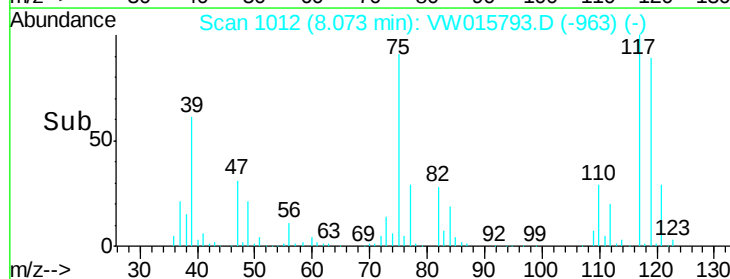
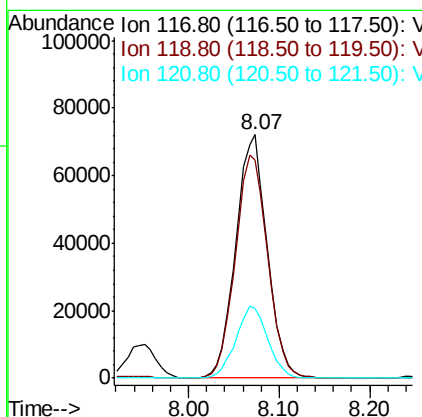
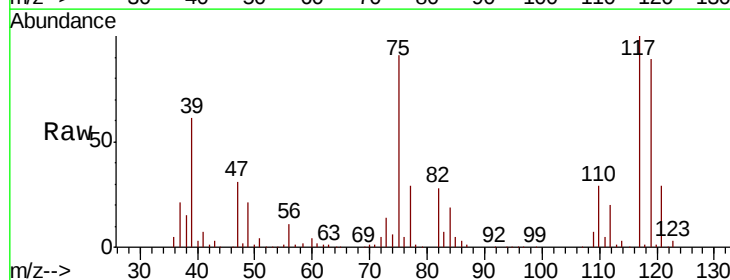
Instrument :
MSVOA_W
ClientSampled :
BFB

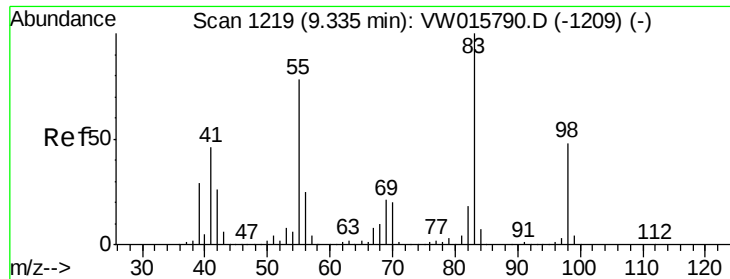
Tot Ion: 43 Resp: 61036
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.295 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion: 117 Resp: 173414
Ion Ratio Lower Upper
117 100
119 89.4 76.3 114.5
121 28.8 24.0 36.0

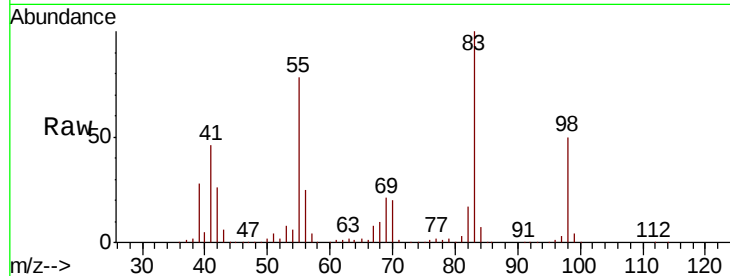




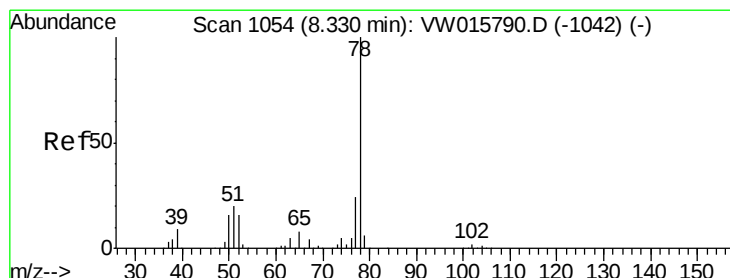
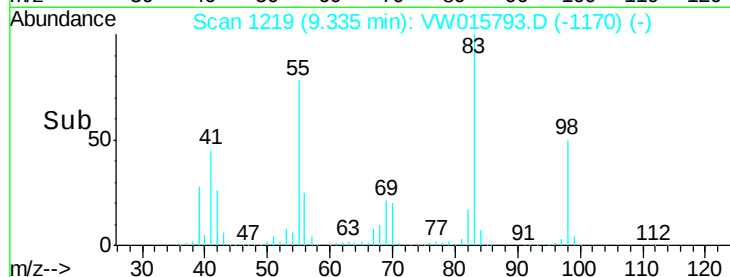
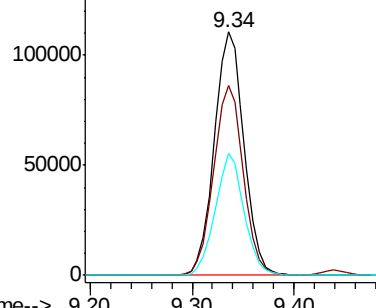
#39
Methvlcvclohexane
Concen: 54.313 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion	83	Resp	223913
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.6	94.0
98	49.9	38.6	58.0

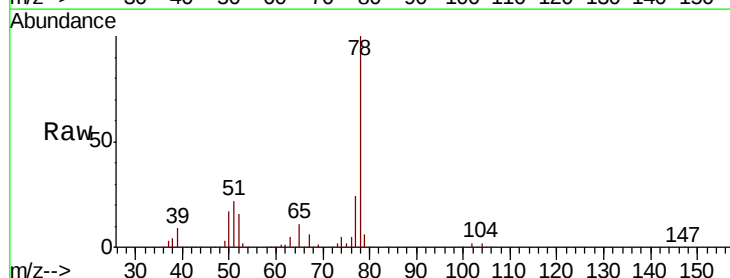


Abundance Ion 83.00 (82.70 to 83.70): VW
150000 Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

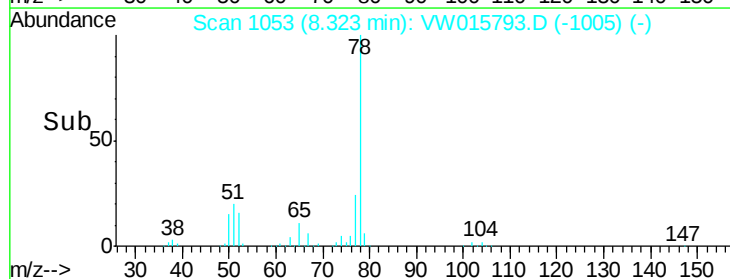
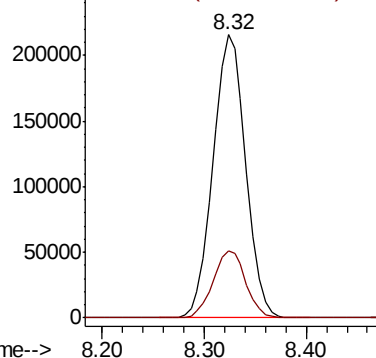


#40
Benzene
Concen: 49.964 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion	78	Resp	478173
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
250000 Ion 77.00 (76.70 to 77.70): VW

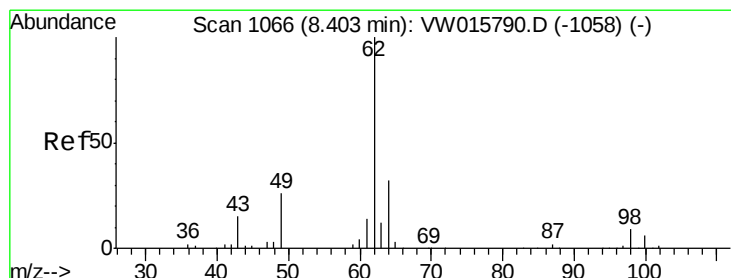
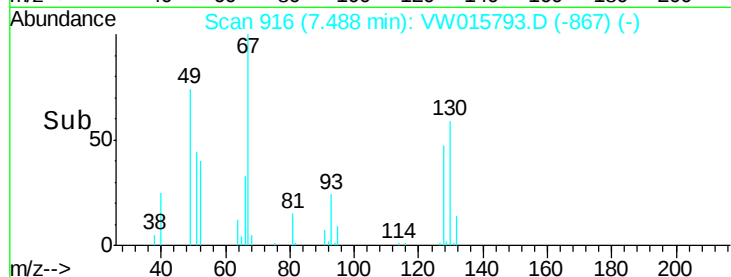
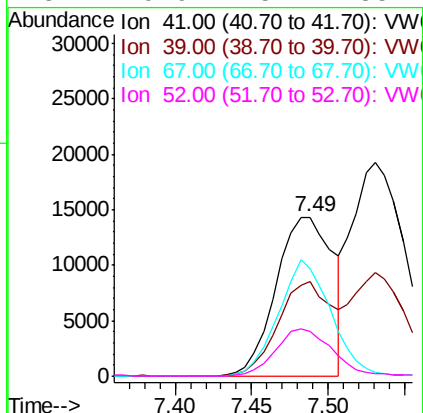
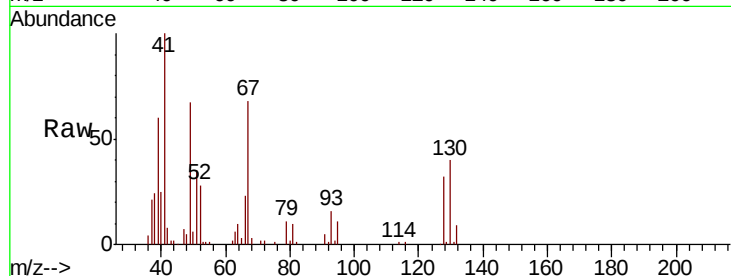




#41
Methacrylonitrile
Concen: 48.303 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

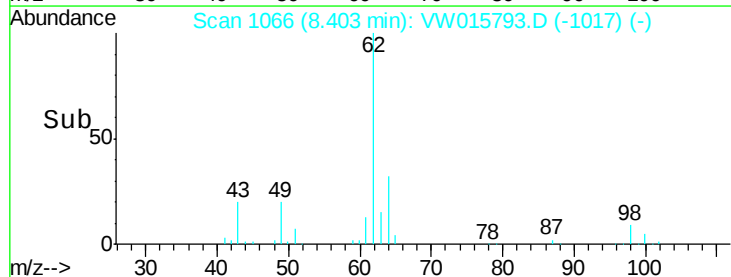
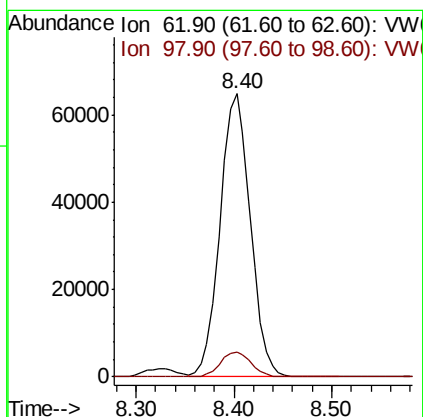
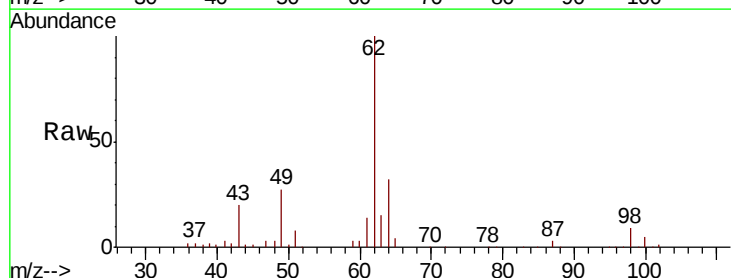
Instrument :
MSVOA_W
ClientSampled :
BFB

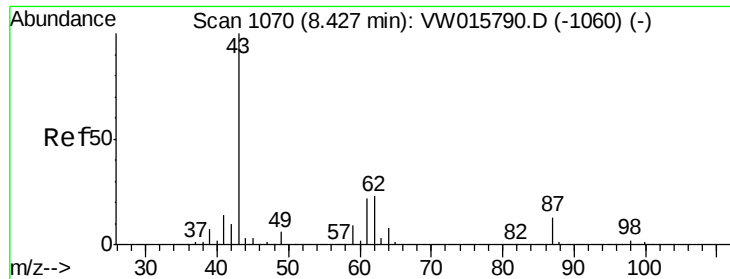
Tot Ion:	41	Resp:	37227
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.6	66.8
67	67.2	56.4	84.6
52	29.9	25.4	38.2



#42
1,2-Dichloroethane
Concen: 46.597 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:	62	Resp:	138795
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 46.566 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

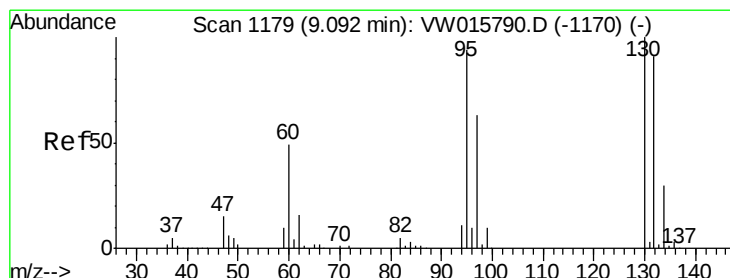
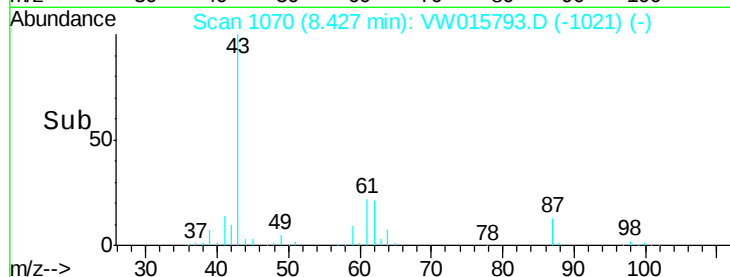
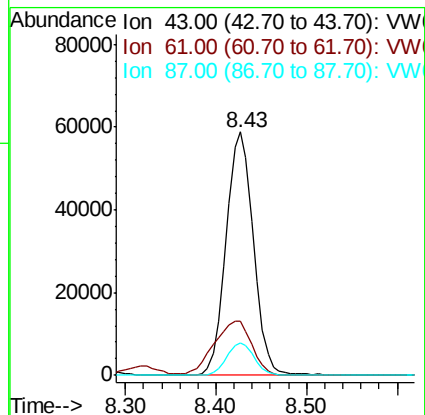
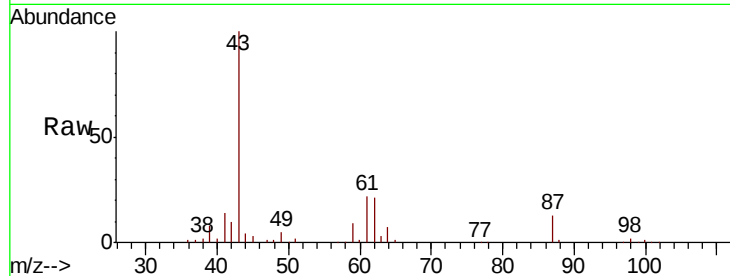
Tot Ion: 43 Resp: 123391

Ion Ratio Lower Upper

43 100

61 31.0 24.8 37.2

87 13.3 10.4 15.6



#44

Trichloroethene

Concen: 49.777 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015793.D

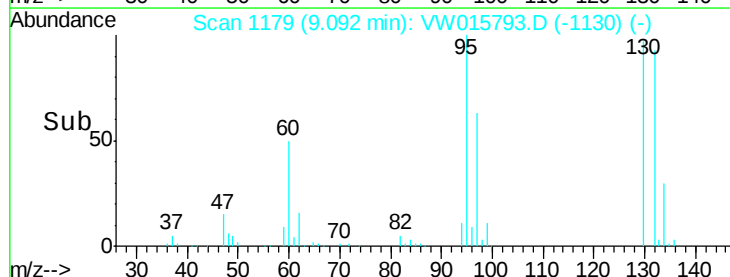
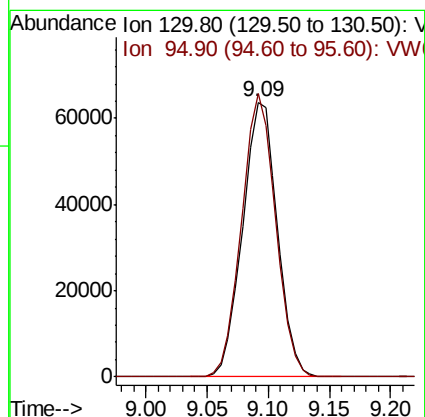
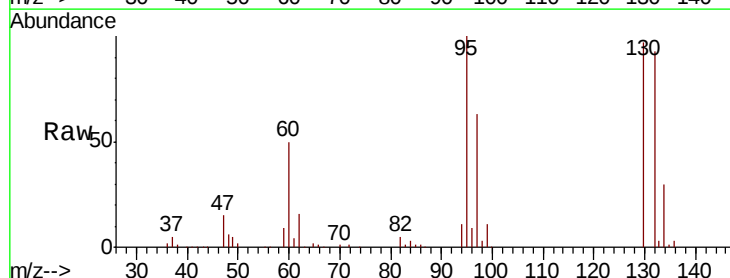
Acq: 07 Jul 2020 14:18

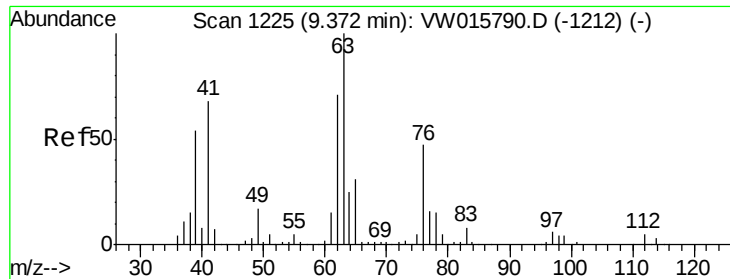
Tgt Ion: 130 Resp: 126003

Ion Ratio Lower Upper

130 100

95 102.9 0.0 188.6

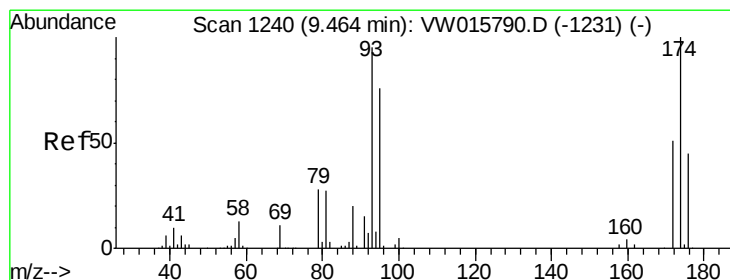
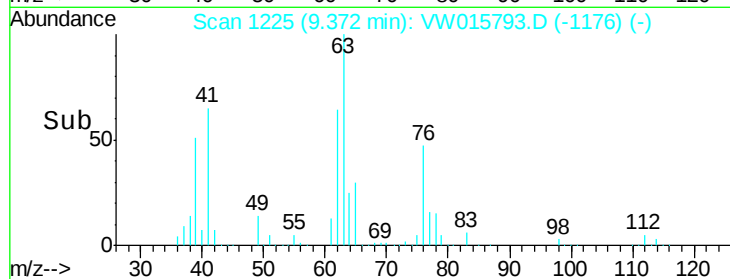
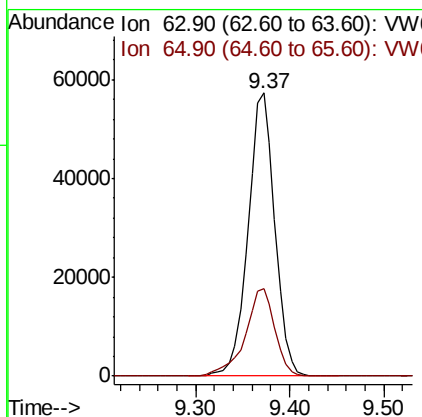
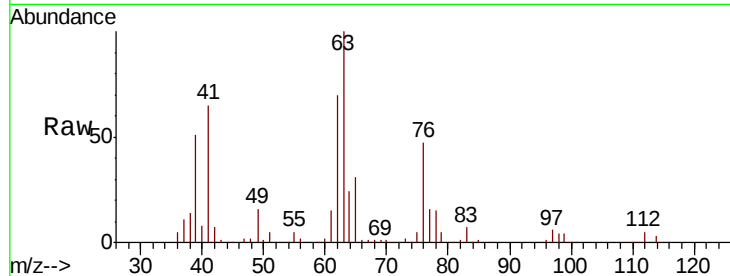




#45
 1,2-Dichloropropane
 Concen: 48.469 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

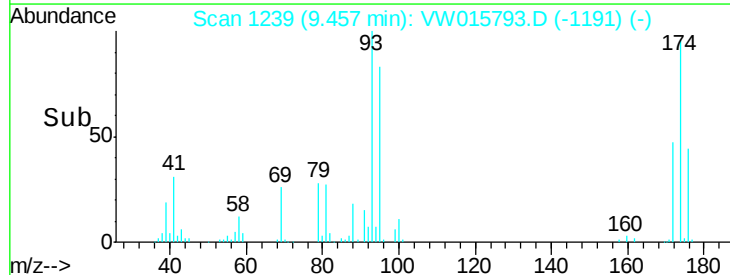
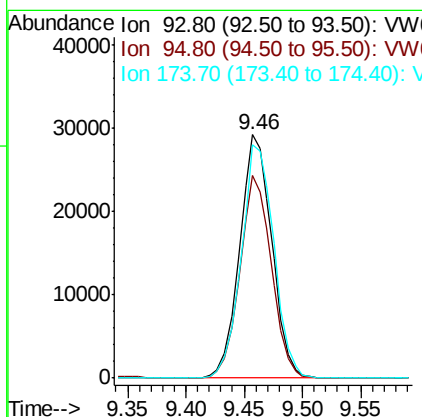
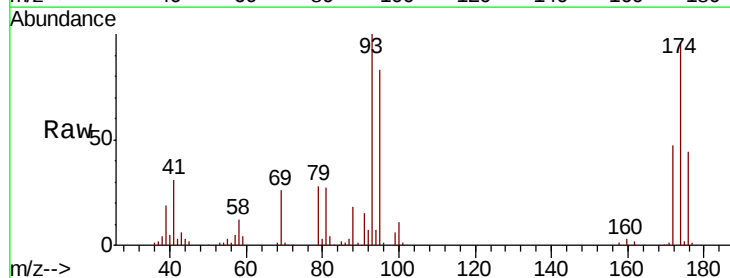
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion: 63 Resp: 114019
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.5 36.7



#46
 Dibromomethane
 Concen: 46.230 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 93 Resp: 55989
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.0 99.0
 174 97.5 78.7 118.1





#47

Bromodichloromethane

Concen: 48.367 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

BFB

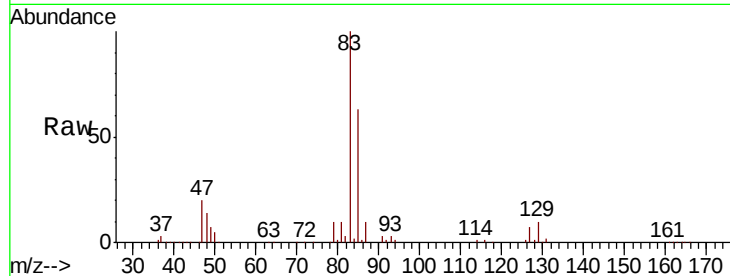
Tot Ion: 83 Resp: 151512

Ion Ratio Lower Upper

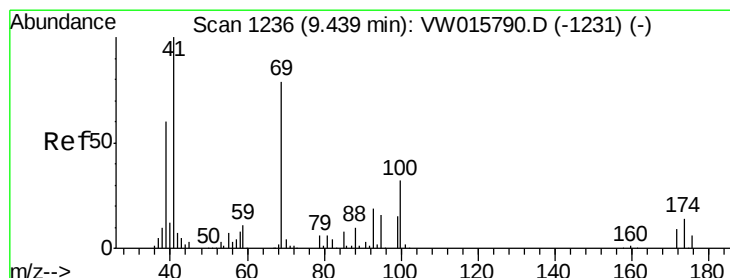
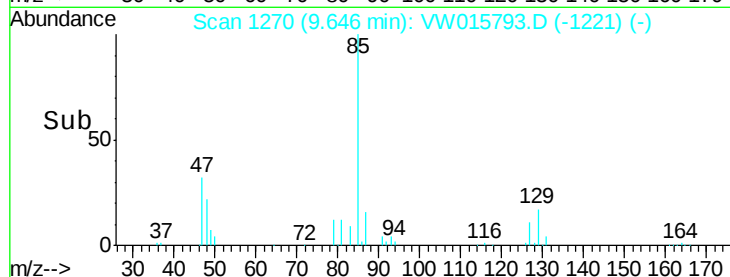
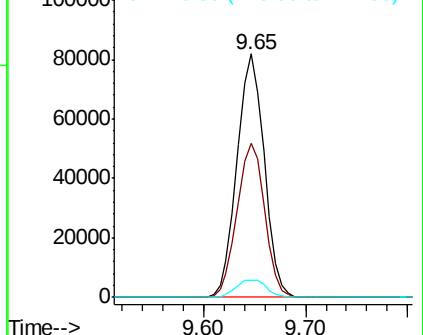
83 100

85 63.1 50.6 76.0

127 7.2 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 47.187 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

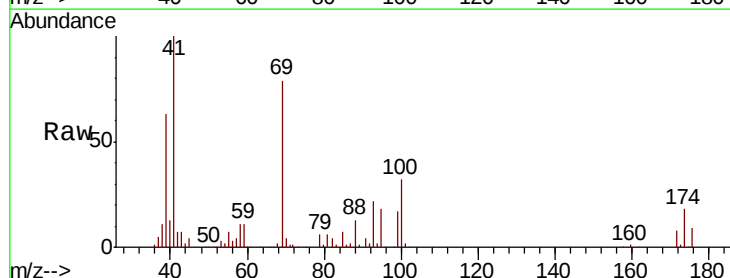
Tgt Ion: 41 Resp: 57304

Ion Ratio Lower Upper

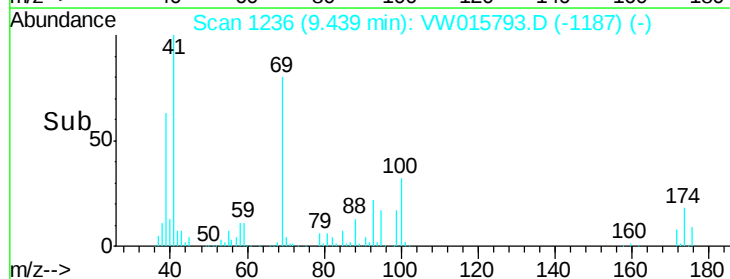
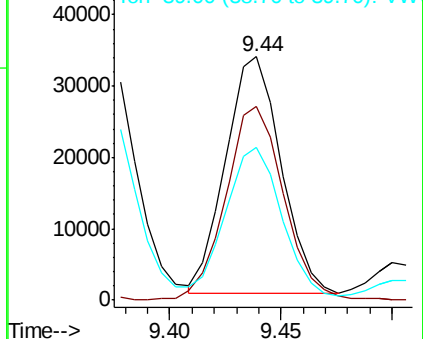
41 100

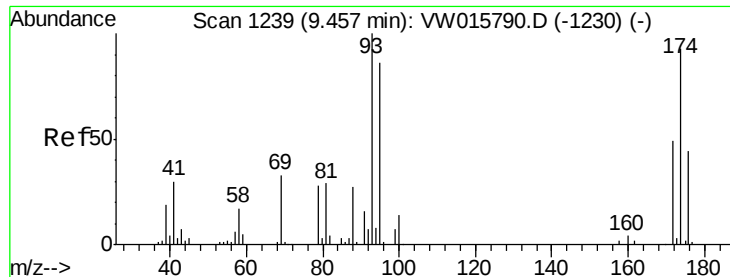
69 86.0 67.1 100.7

39 63.7 49.9 74.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

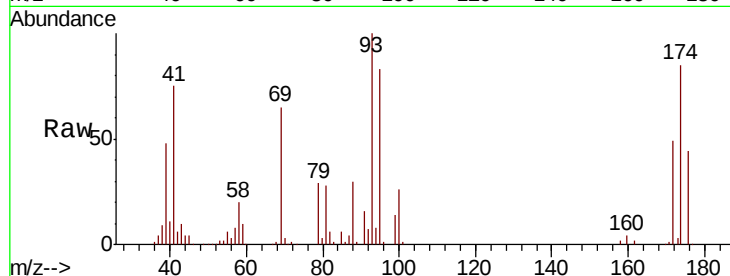




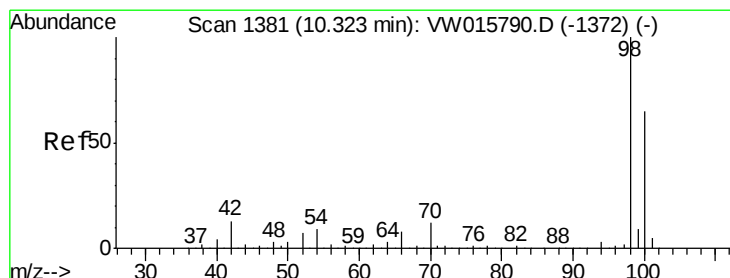
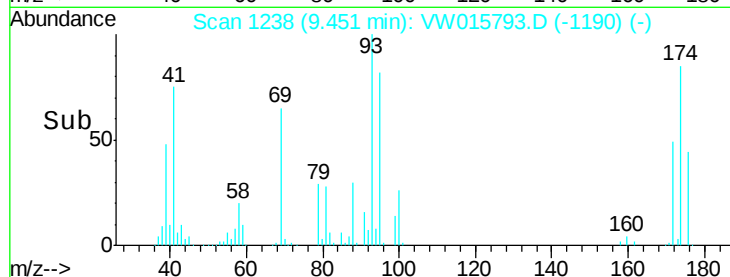
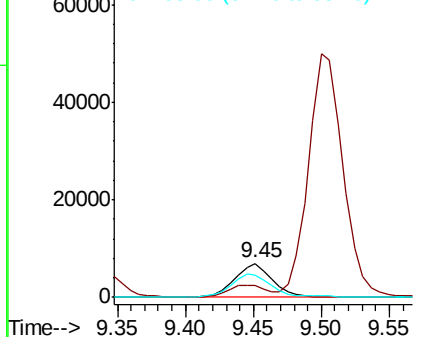
#49
1,4-Dioxane
Concen: 884.862 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion: 88 Resp: 13249
Ion Ratio Lower Upper
88 100
43 38.3 28.1 42.1
58 76.2 59.3 88.9

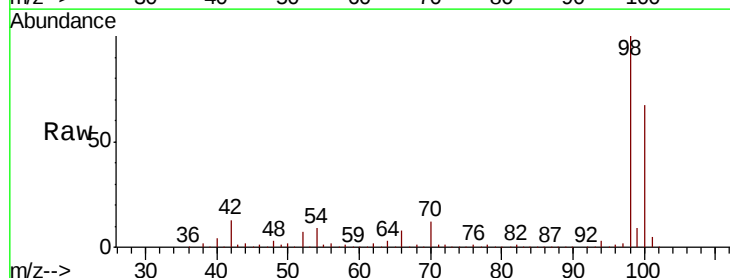


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

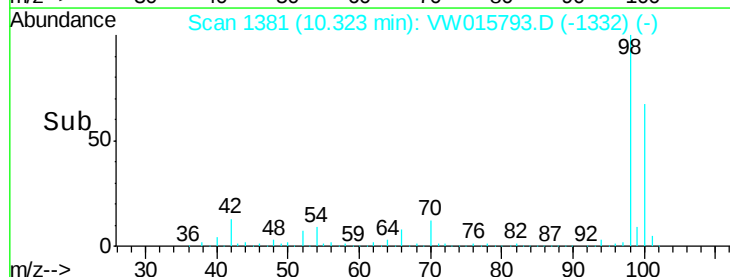
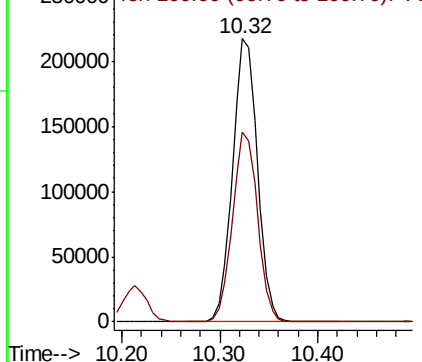


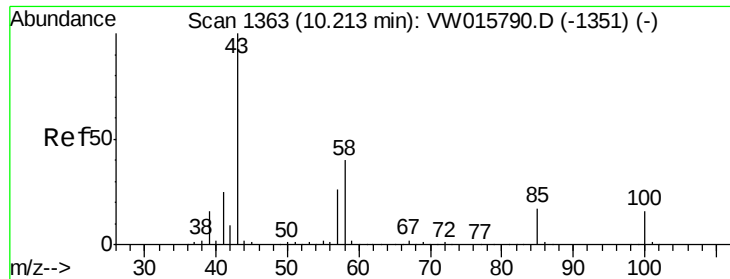
#50
Toluene-d8
Concen: 48.284 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion: 98 Resp: 383502
Ion Ratio Lower Upper
98 100
100 67.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 231.080 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

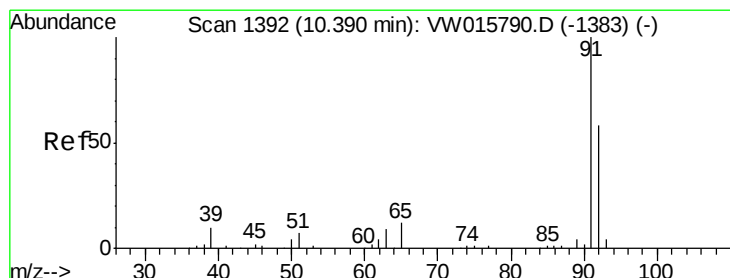
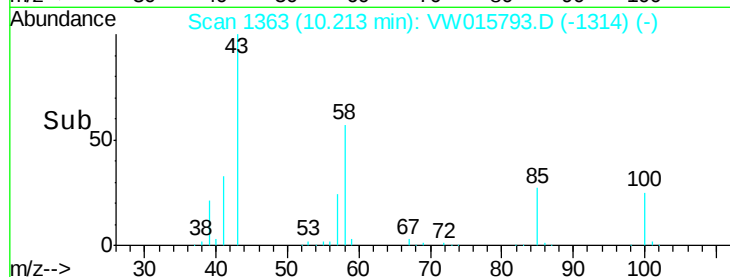
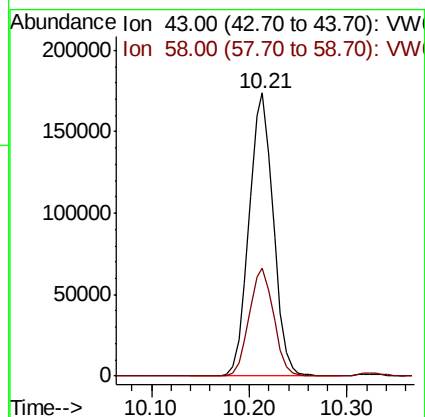
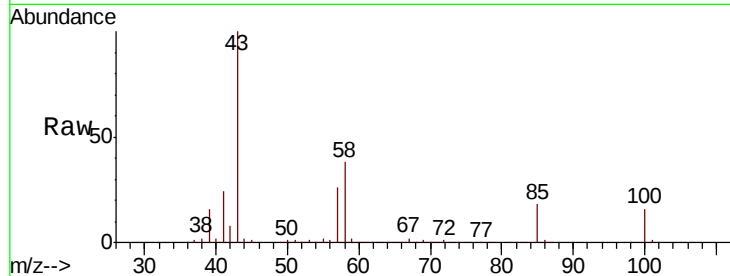
BFB

Tot Ion: 43 Resp: 298799

Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3



#52

Toluene

Concen: 50.651 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015793.D

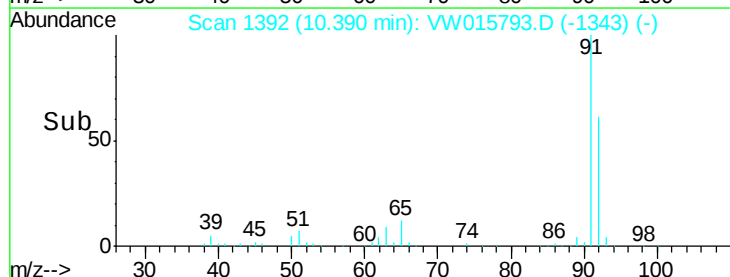
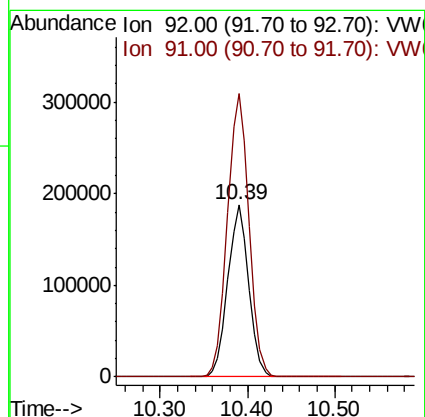
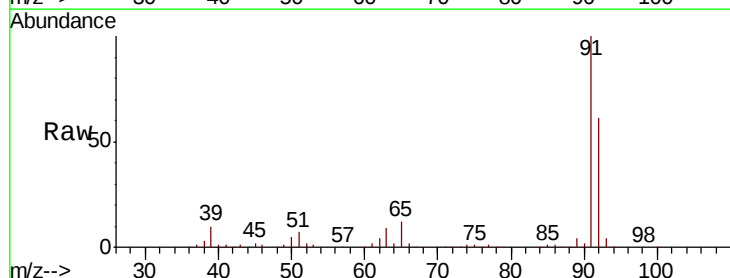
Acq: 07 Jul 2020 14:18

Tgt Ion: 92 Resp: 311947

Ion Ratio Lower Upper

92 100

91 169.3 137.1 205.7

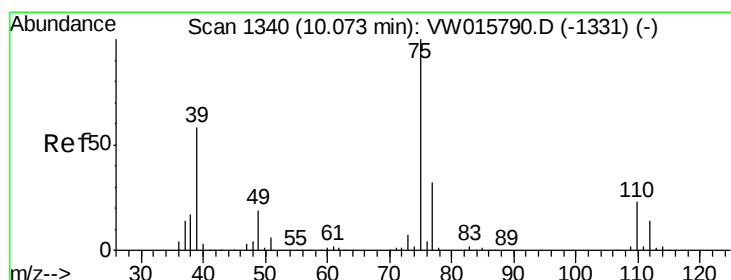
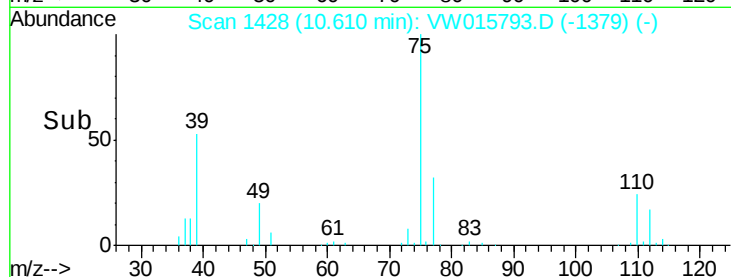
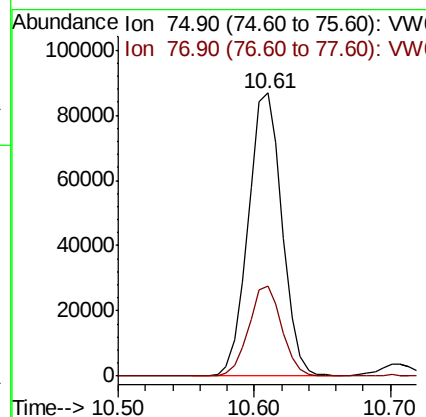
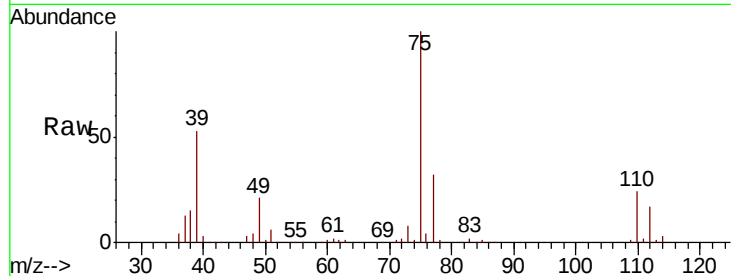




#53
 t-1,3-Dichloropropene
 Concen: 50.265 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

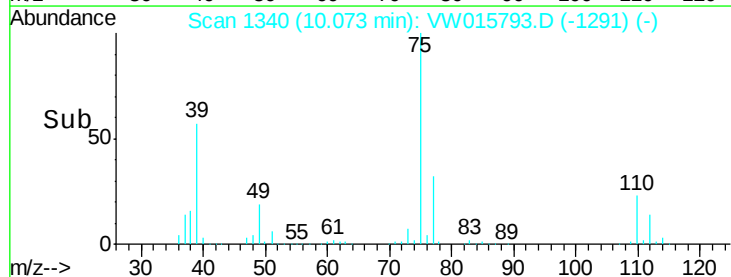
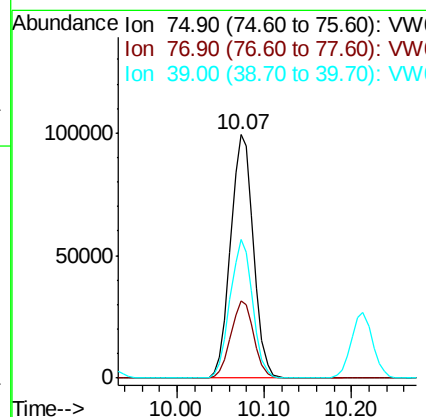
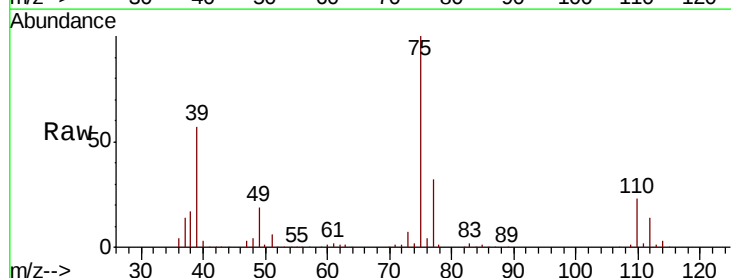
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

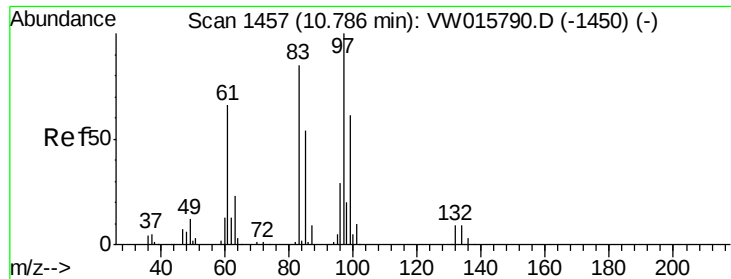
Tot Ion: 75 Resp: 151076
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.013 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 75 Resp: 179811
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 56.9 46.0 69.0

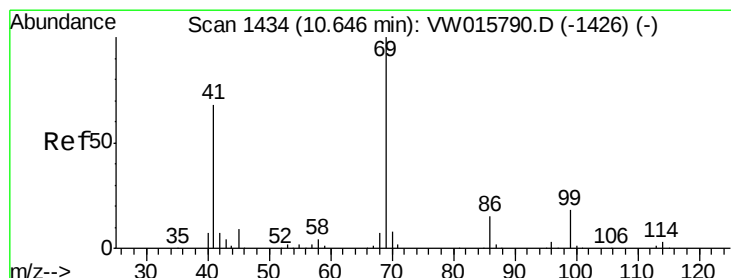
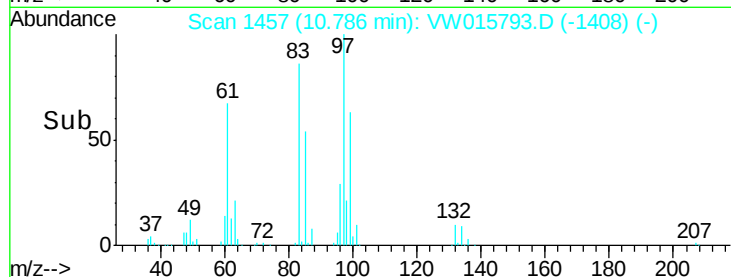
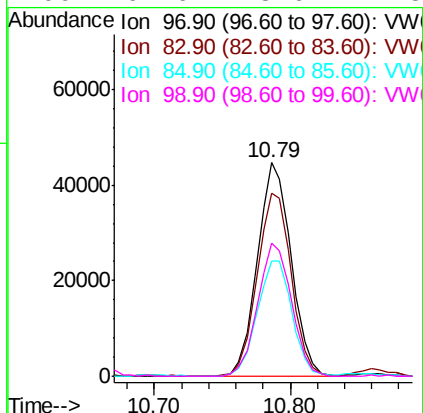
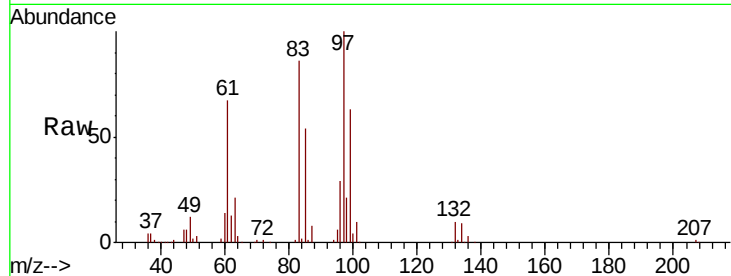




#55
 1,1,2-Trichloroethane
 Concen: 46.343 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

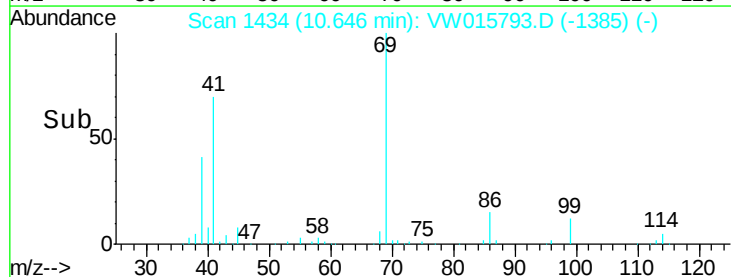
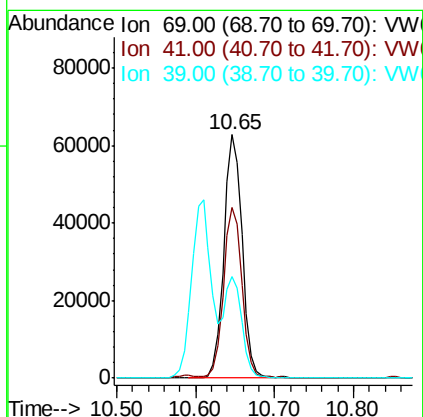
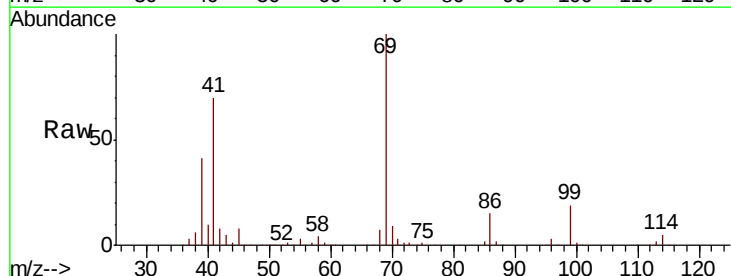
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

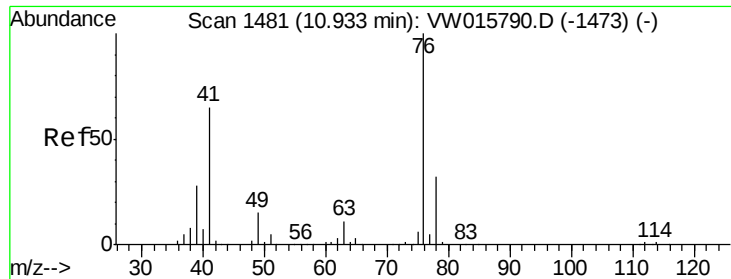
Tot Ion:	97	Resp:	77827
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.2	102.4
85	53.9	43.4	65.0
99	62.6	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 49.025 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion:	69	Resp:	101218
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.0	82.6
39	40.4	33.8	50.8

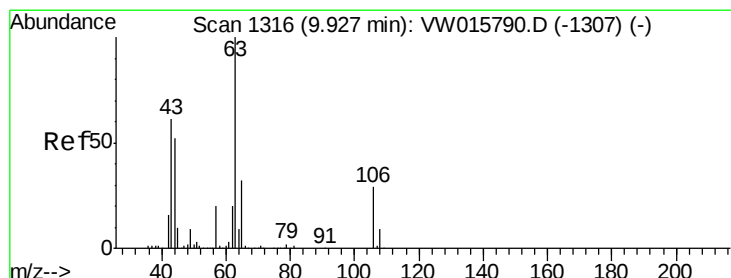
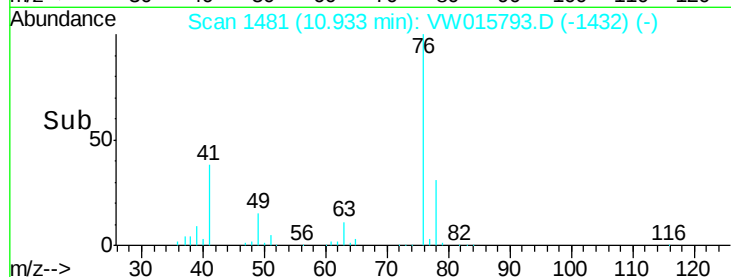
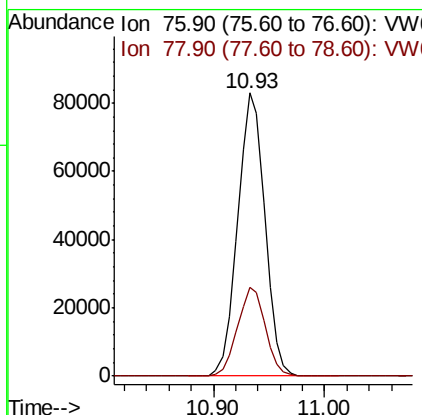
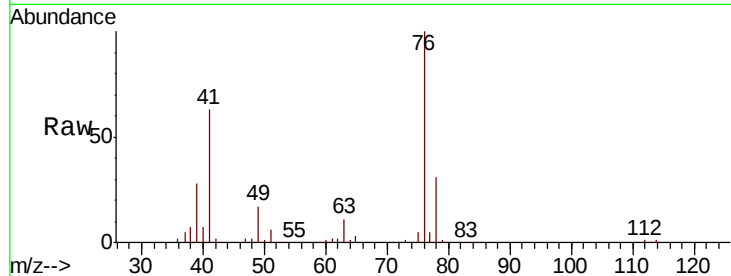




#57
 1,3-Dichloropropane
 Concen: 47.114 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

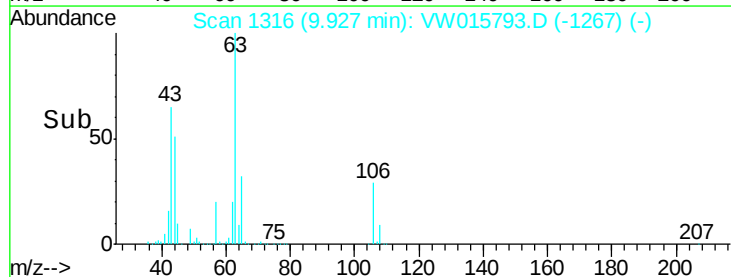
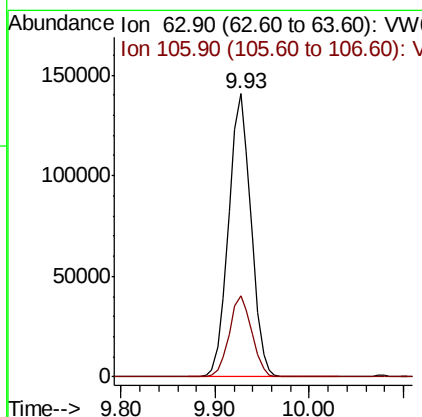
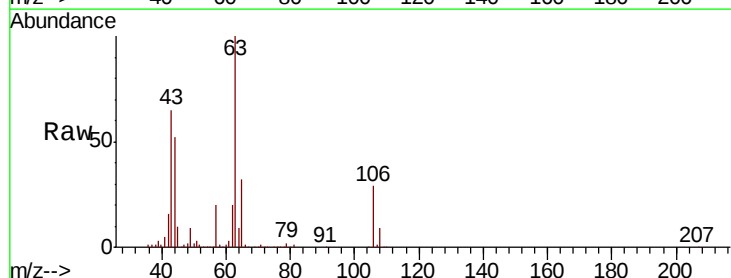
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

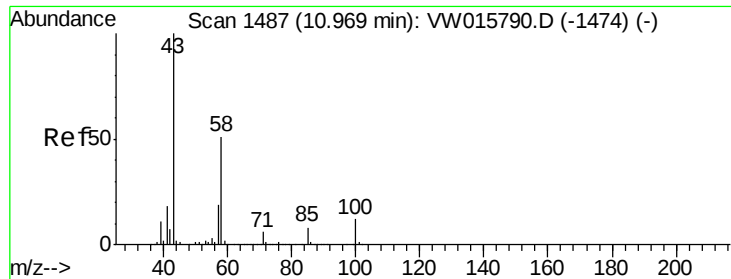
Tot Ion: 76 Resp: 140062
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.531 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 63 Resp: 232562
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.1 34.7

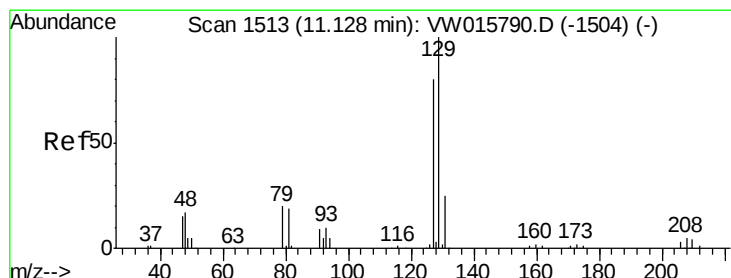
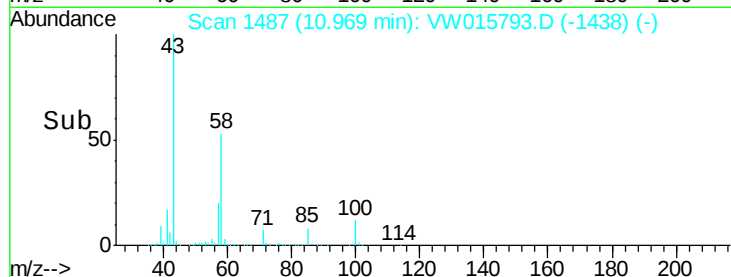
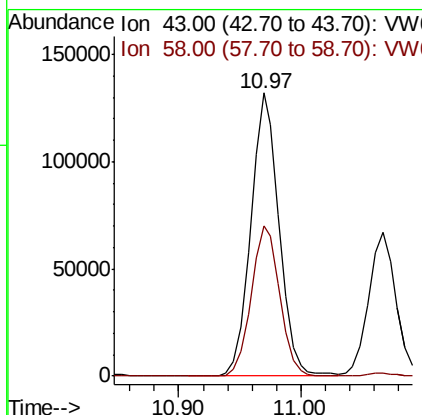
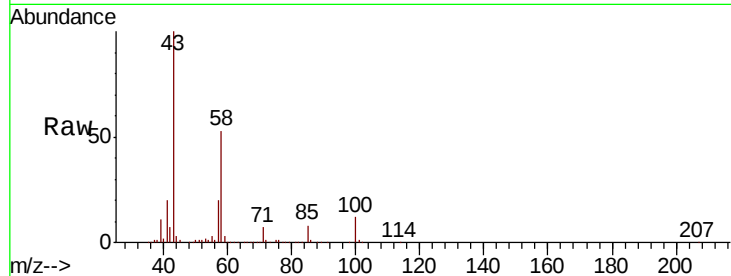




#59
2-Hexanone
Concen: 245.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

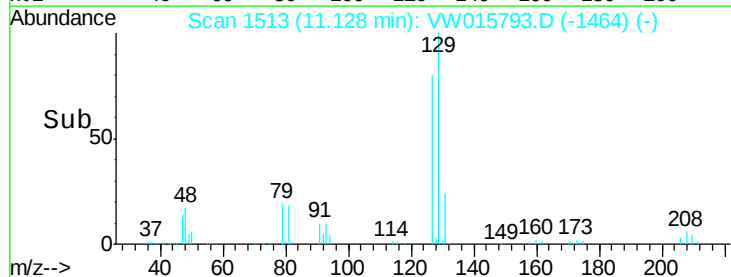
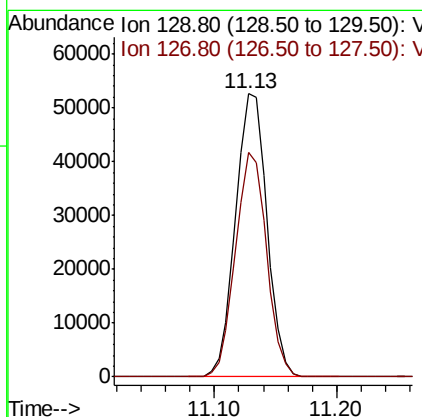
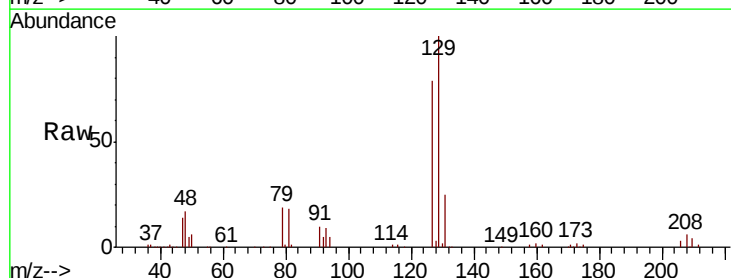
Instrument :
MSVOA_W
ClientSampled :
BFB

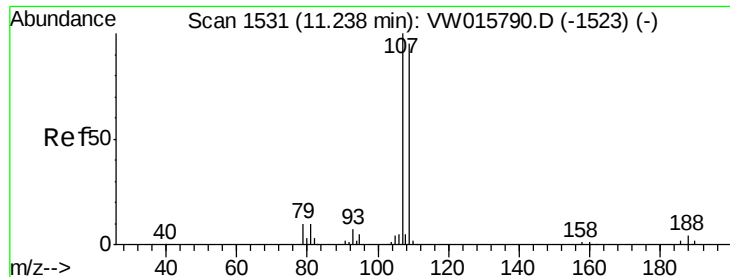
Tot Ion: 43 Resp: 212266
Ion Ratio Lower Upper
43 100
58 53.6 26.2 78.5



#60
Dibromochloromethane
Concen: 48.380 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion: 129 Resp: 93833
Ion Ratio Lower Upper
129 100
127 78.4 39.4 118.1

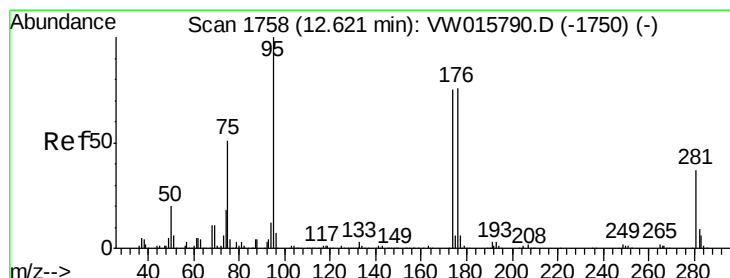
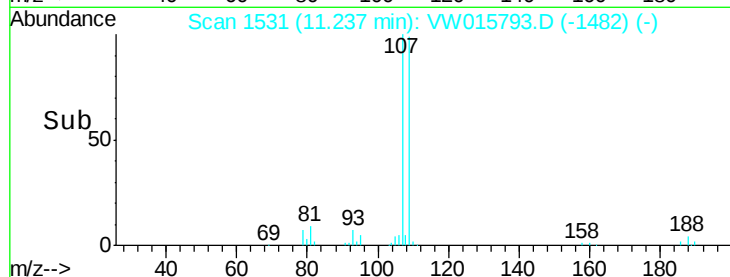
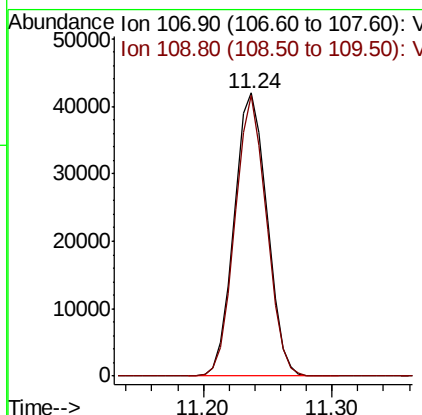
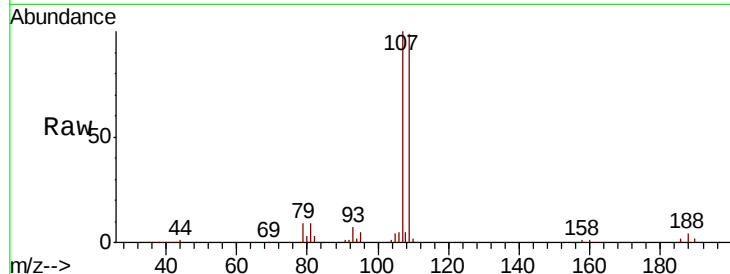




#61
 1,2-Dibromoethane
 Concen: 46.429 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

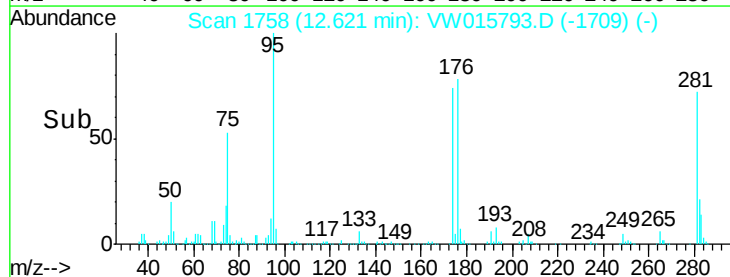
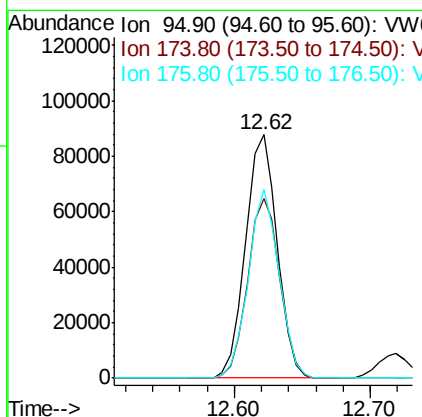
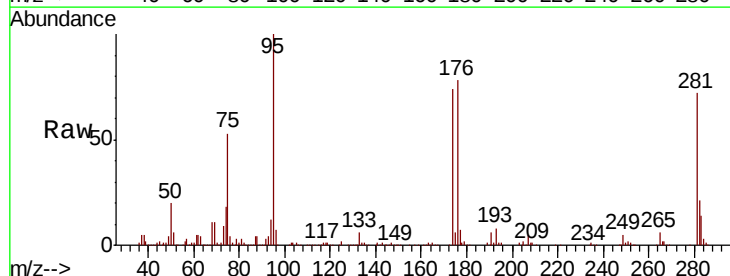
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion: 107 Resp: 74605
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.0 115.6



#62
 4-Bromofluorobenzene
 Concen: 49.198 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 95 Resp: 143386
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.2
 176 75.3 0.0 148.4

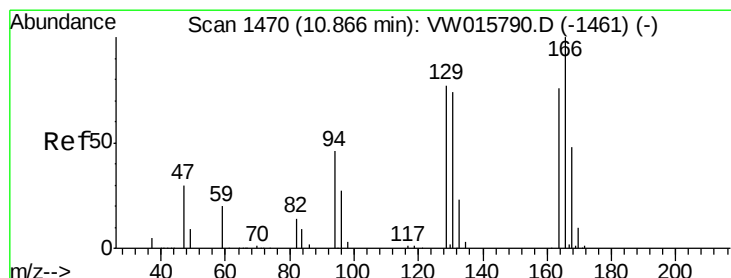
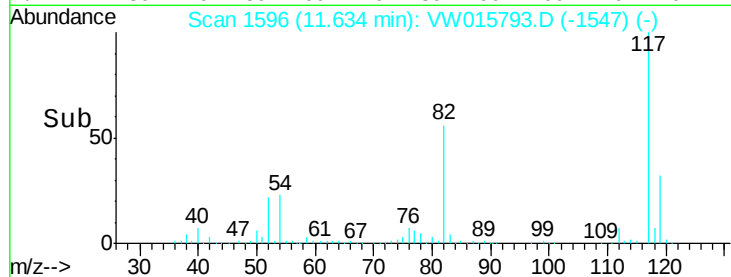
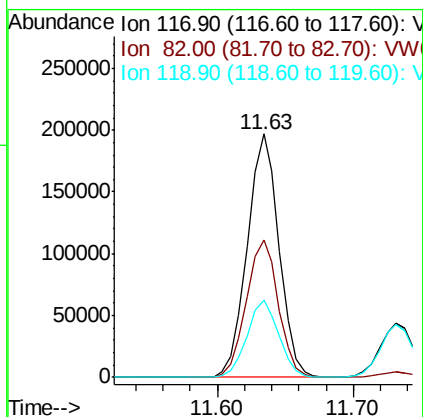
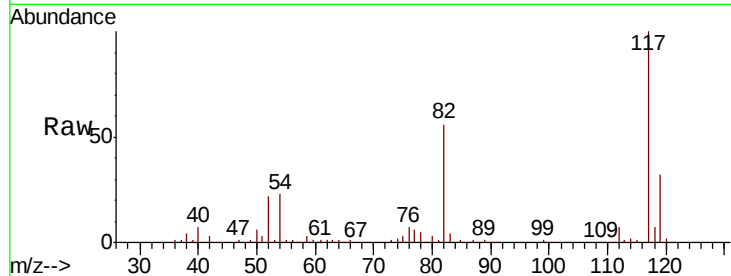




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

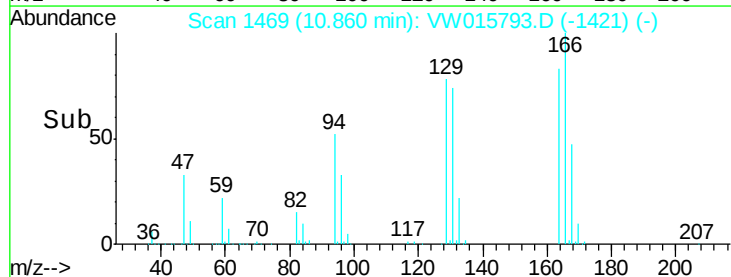
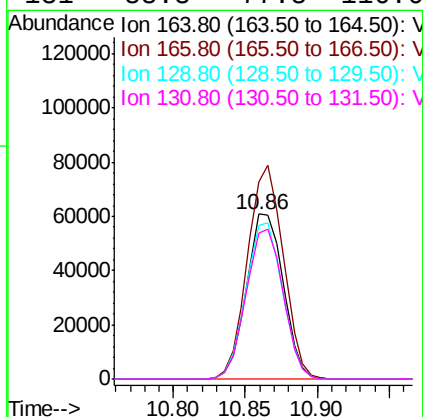
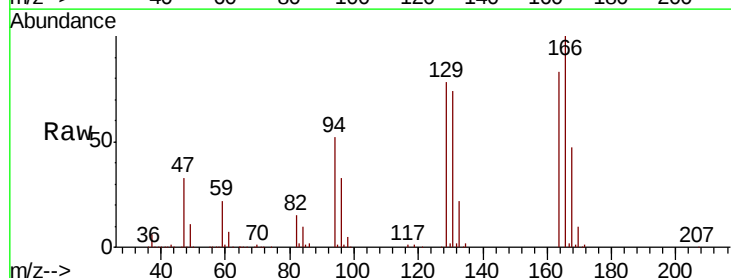
Instrument :
MSVOA_W
ClientSampled :
BFB

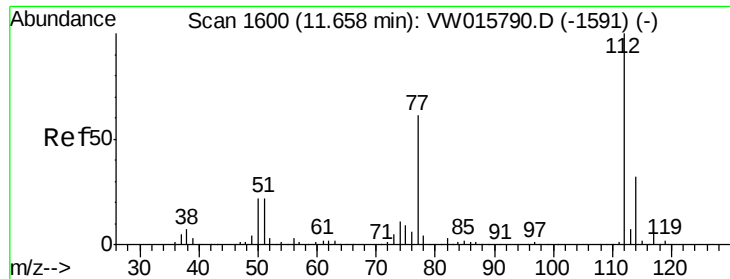
Tot Ion:117 Resp: 320909
Ion Ratio Lower Upper
117 100
82 56.4 45.5 68.3
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 53.026 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:164 Resp: 107688
Ion Ratio Lower Upper
164 100
166 119.9 105.1 157.7
129 93.5 80.6 121.0
131 88.8 77.8 116.6

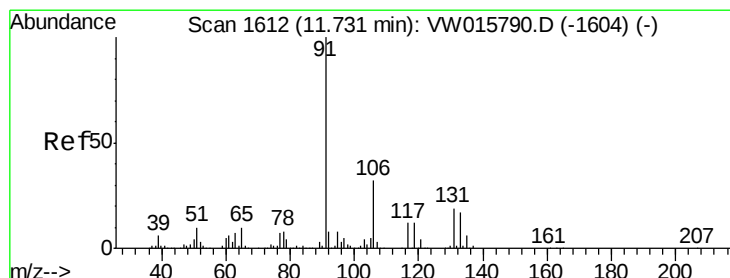
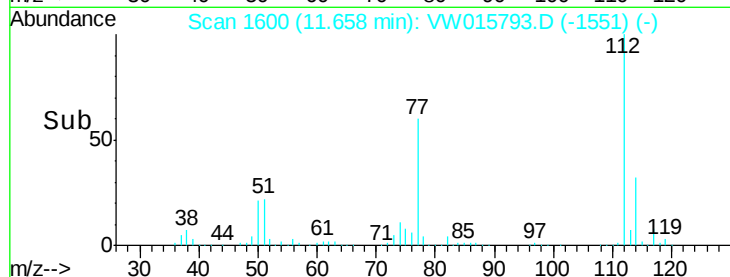
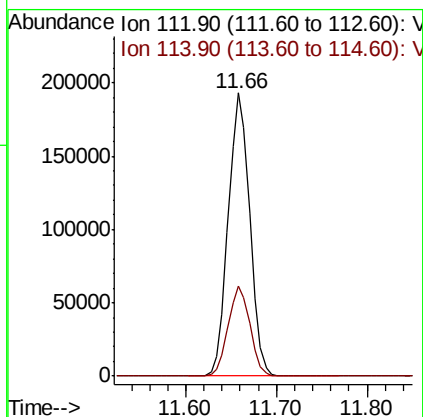
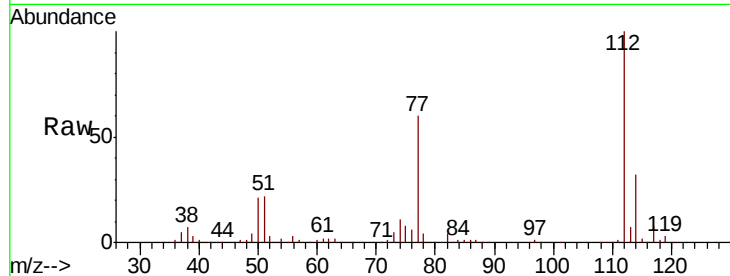




#65
Chlorobenzene
Concen: 50.606 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

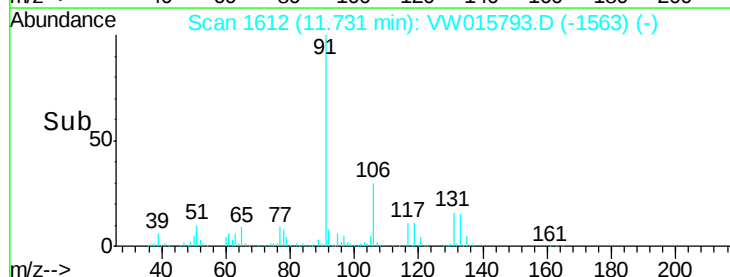
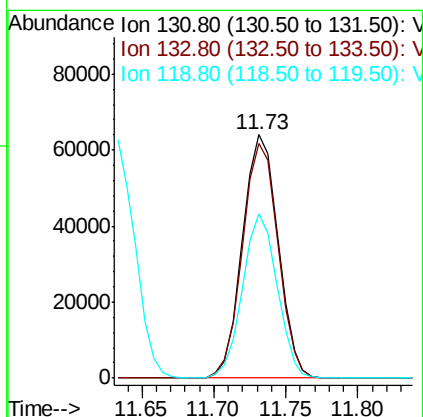
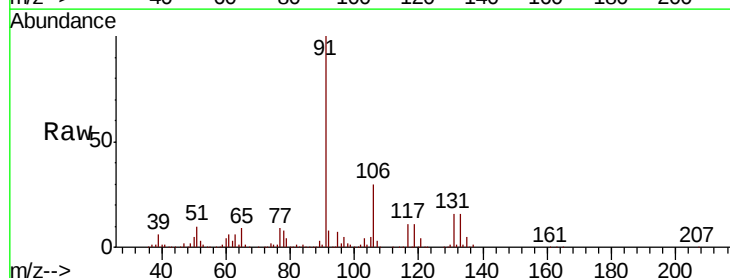
Instrument :
MSVOA_W
ClientSampleId :
BFB

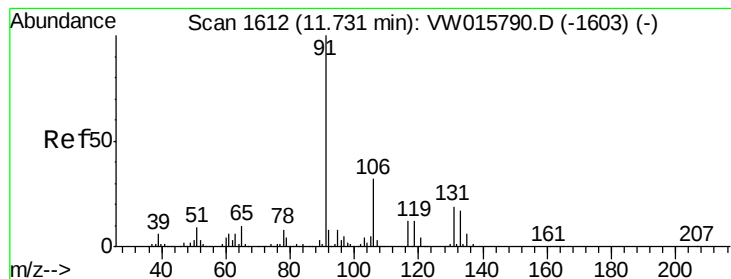
Tot Ion:112 Resp: 317587
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.401 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:131 Resp: 109713
Ion Ratio Lower Upper
131 100
133 96.4 47.0 141.2
119 65.7 32.3 96.8





#67

Ethyl Benzene

Concen: 52.968 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

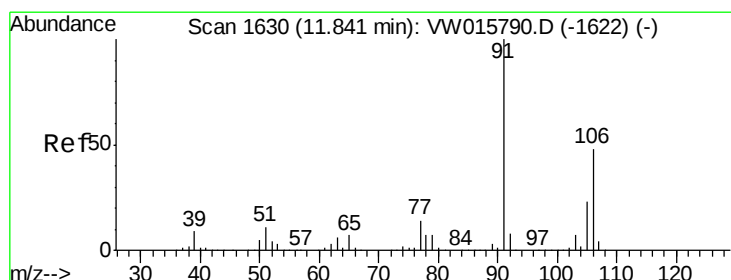
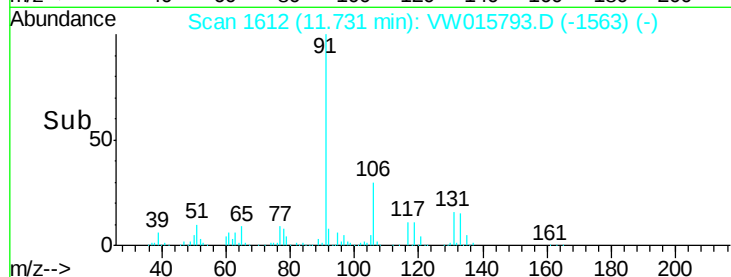
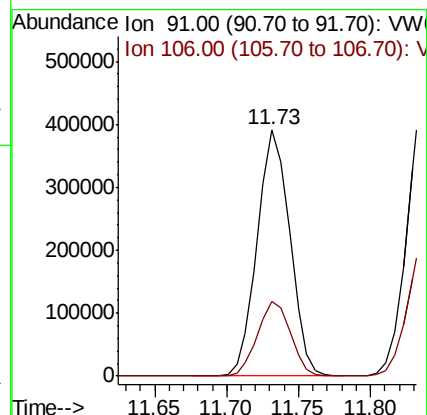
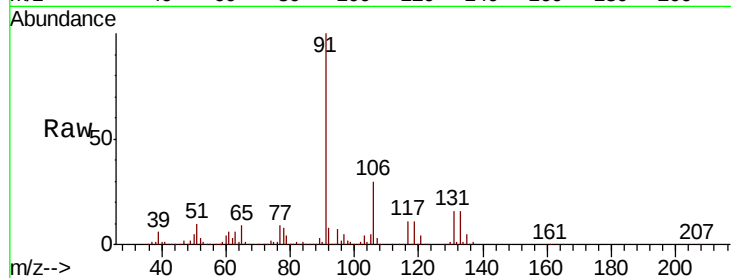
BFB

Tot Ion: 91 Resp: 615587

Ion Ratio Lower Upper

91 100

106 30.1 25.8 38.8



#68

m/p-Xylenes

Concen: 105.889 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015793.D

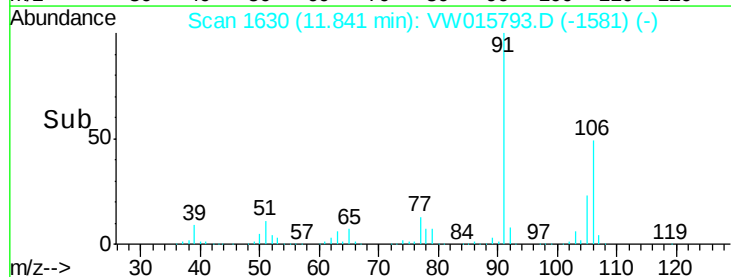
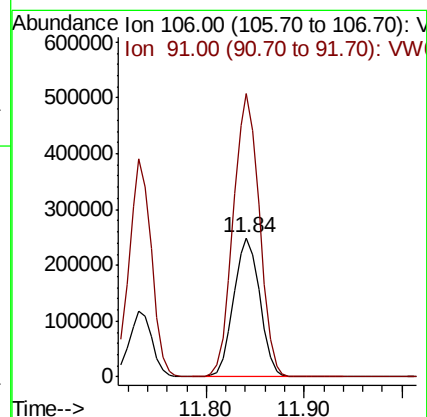
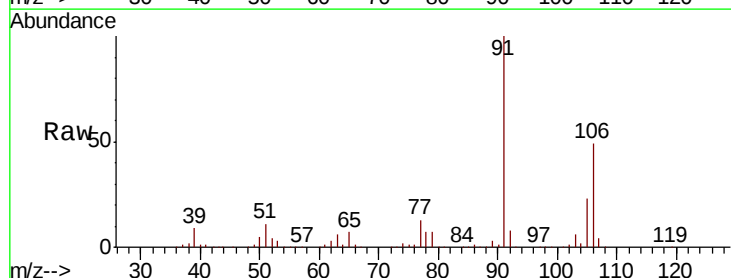
Acq: 07 Jul 2020 14:18

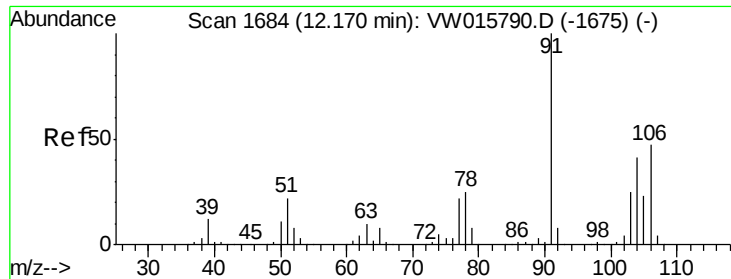
Tgt Ion:106 Resp: 462282

Ion Ratio Lower Upper

106 100

91 203.2 164.1 246.1

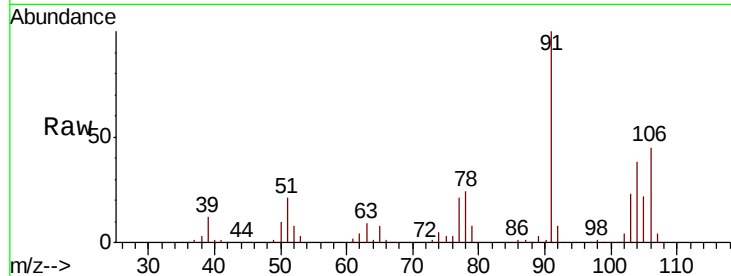




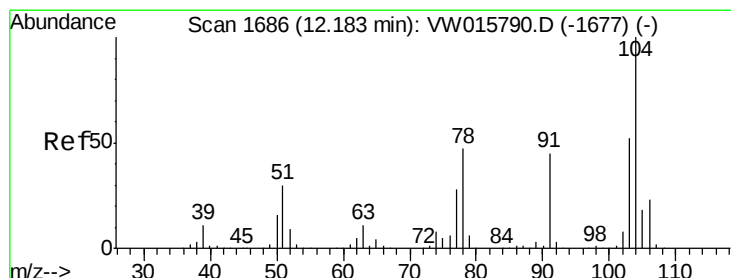
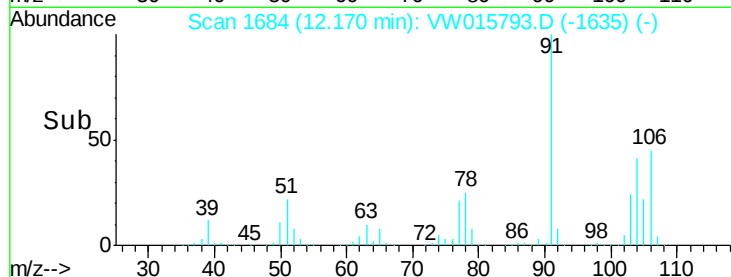
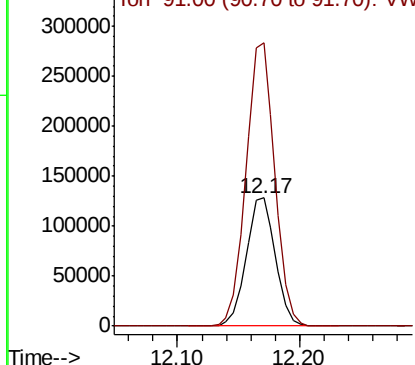
#69
o-Xylene
Concen: 53.149 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:106 Resp: 211801
Ion Ratio Lower Upper
106 100
91 218.3 108.5 325.3

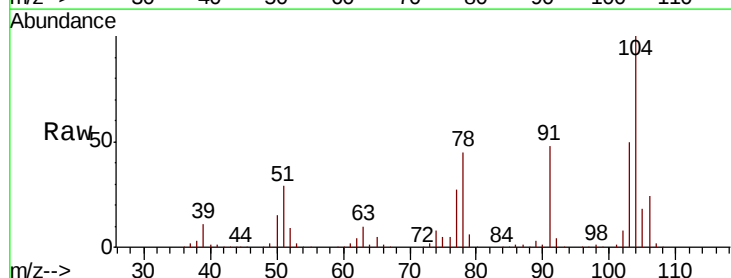


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

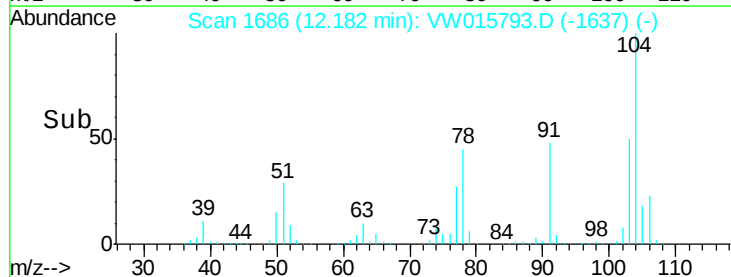
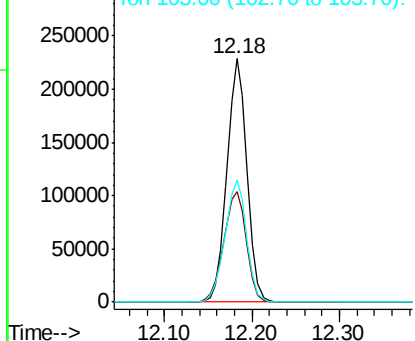


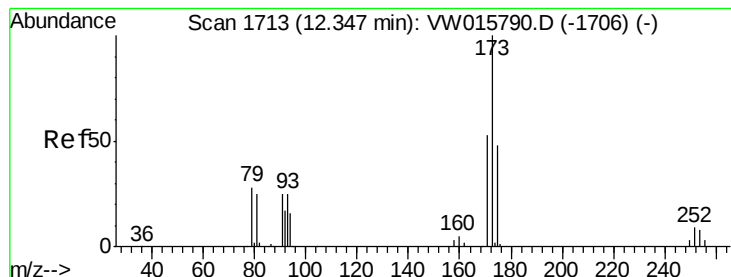
#70
Styrene
Concen: 52.764 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:104 Resp: 361798
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 54.2 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.507 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

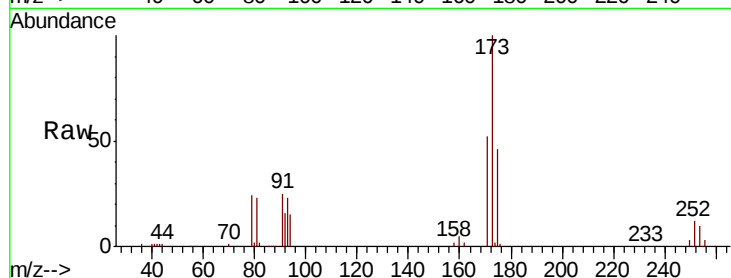
Tot Ion:173 Resp: 49171

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.5

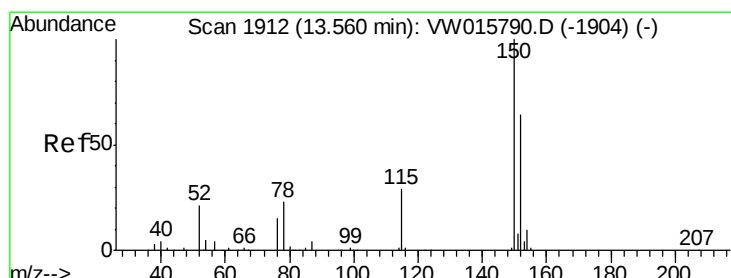
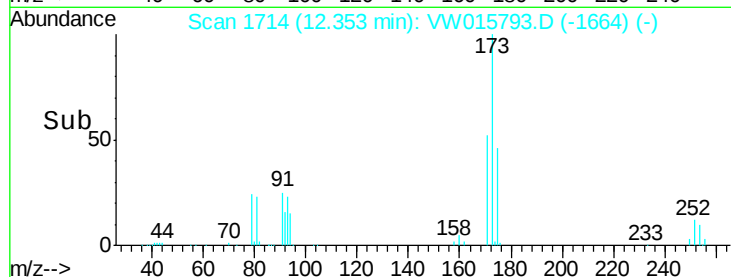
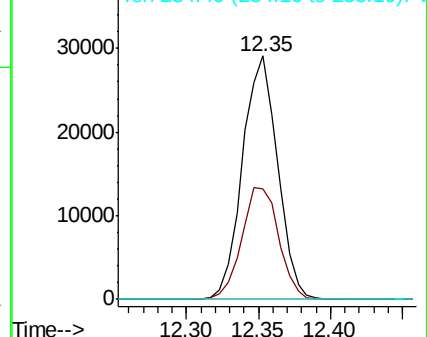
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

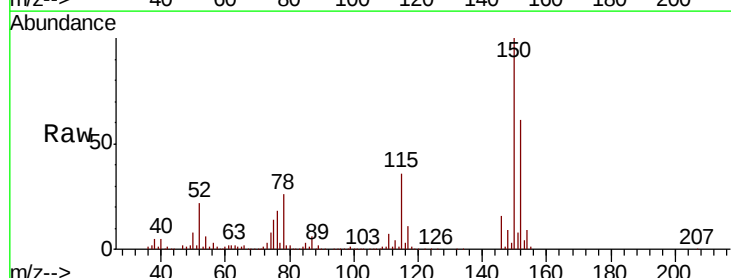
Tgt Ion:152 Resp: 158541

Ion Ratio Lower Upper

152 100

115 59.9 29.9 89.7

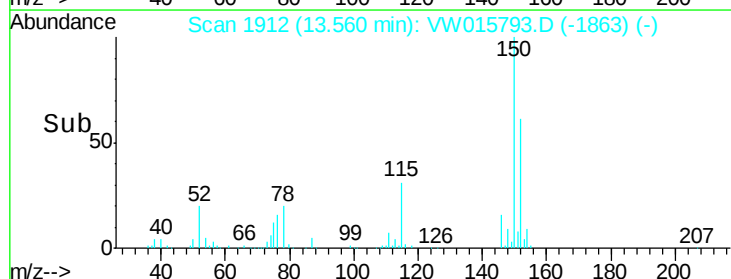
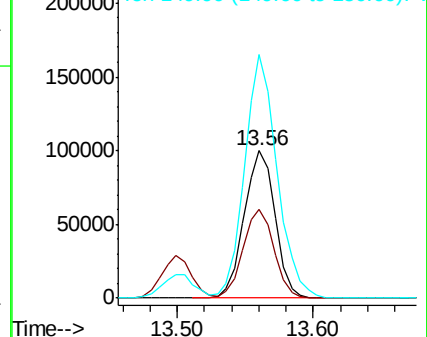
150 173.5 0.0 350.8

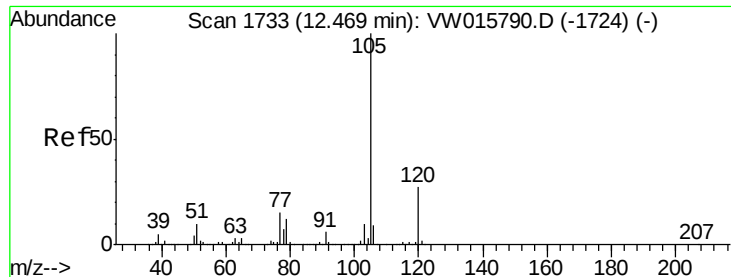


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.456 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

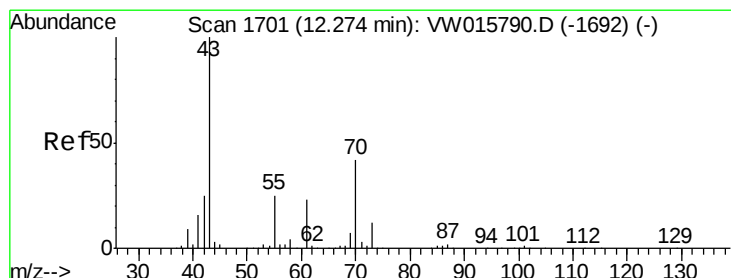
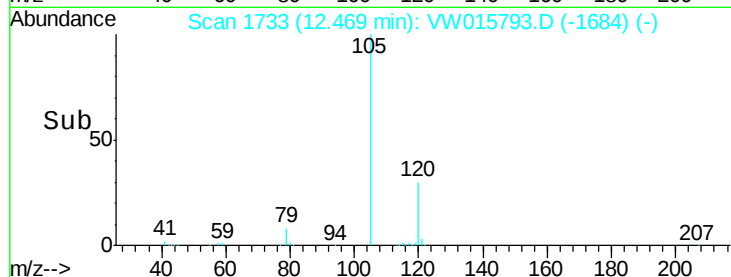
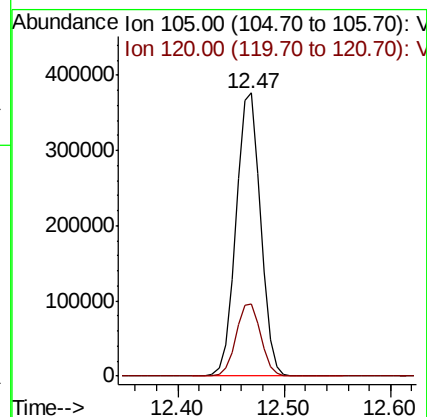
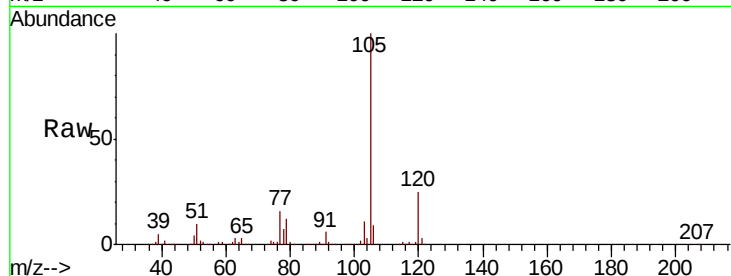
BFB

Tot Ion:105 Resp: 608230

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6



#74

N-ethyl acetate

Concen: 49.880 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Tgt Ion: 43 Resp: 119192

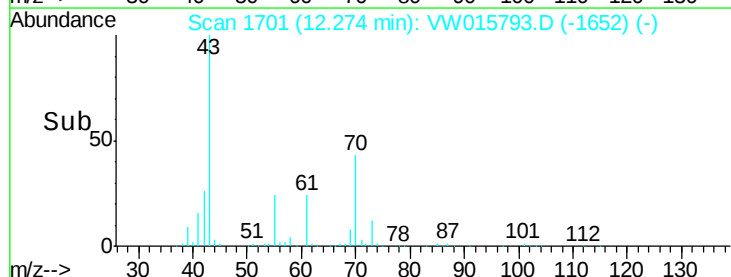
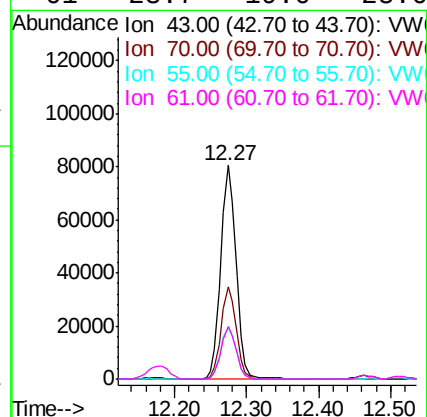
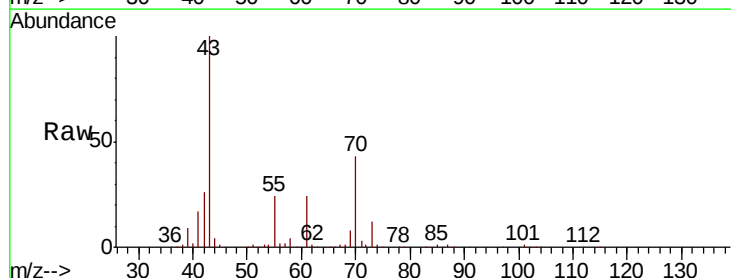
Ion Ratio Lower Upper

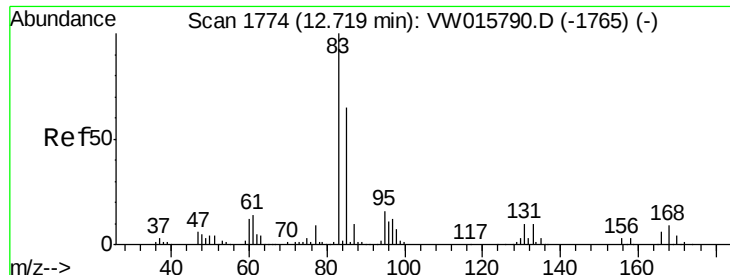
43 100

70 42.5 34.1 51.1

55 24.4 20.0 30.0

61 23.7 19.0 28.6

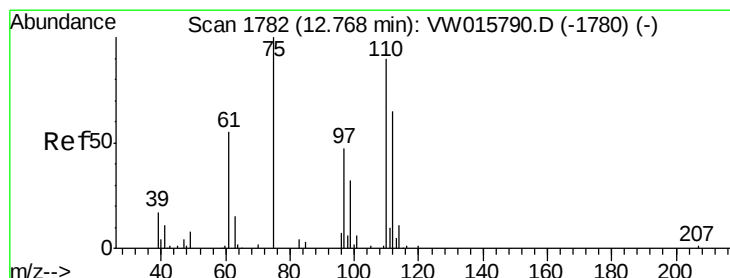
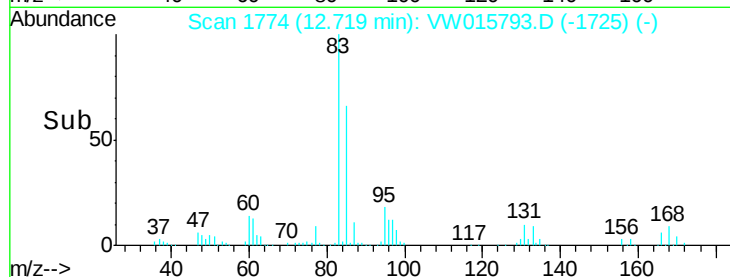
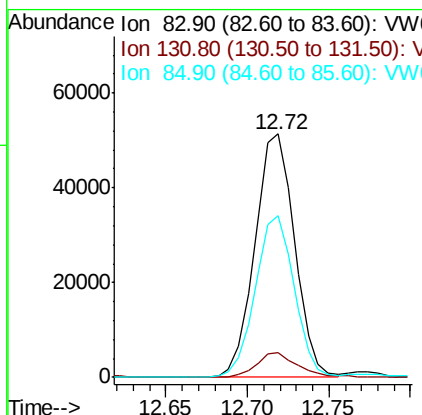
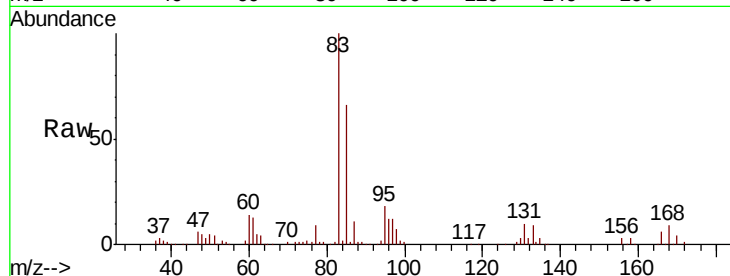




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.729 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

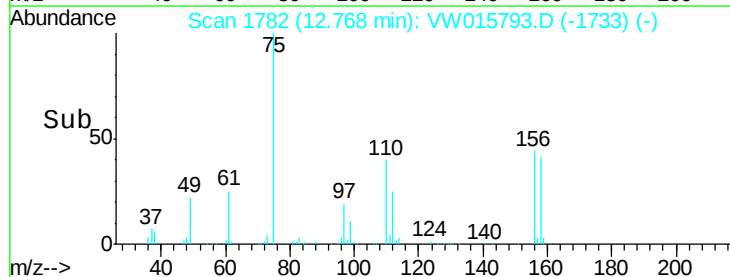
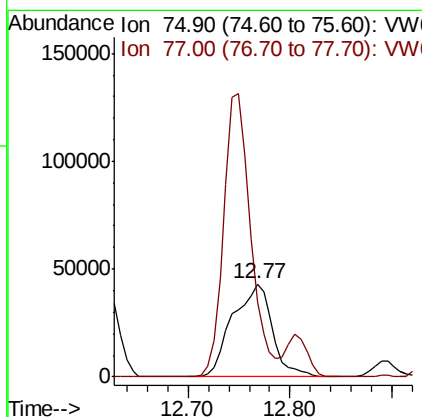
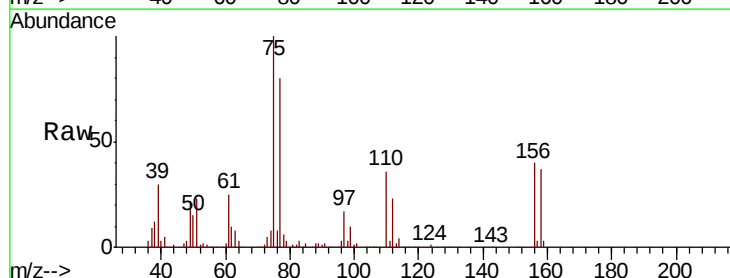
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

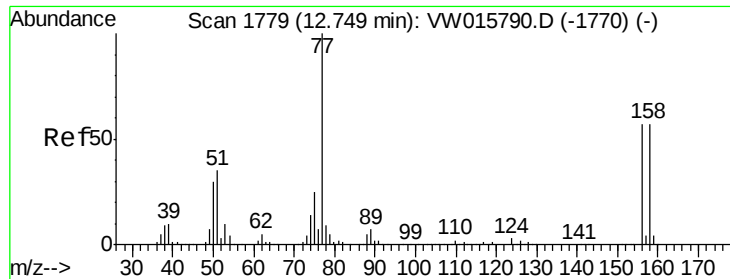
Tot Ion: 83 Resp: 86722
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 16.1
 85 65.1 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 83.724 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion: 75 Resp: 116658
 Ion Ratio Lower Upper
 75 100
 77 206.8 177.3 532.0

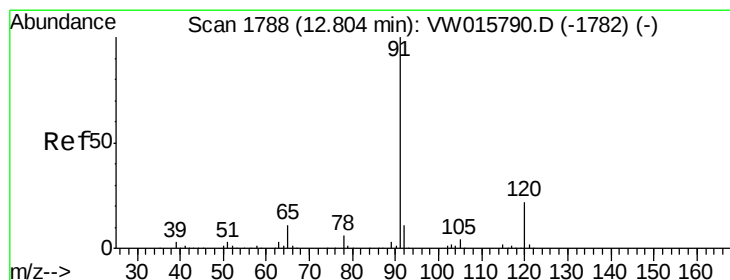
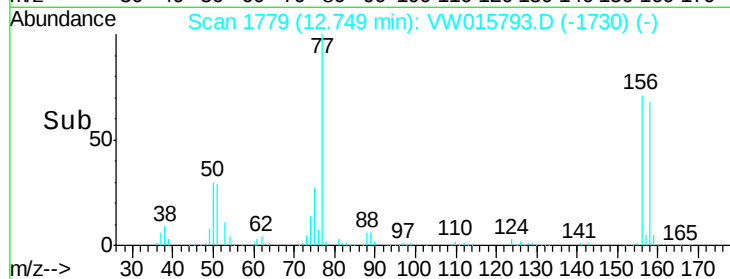
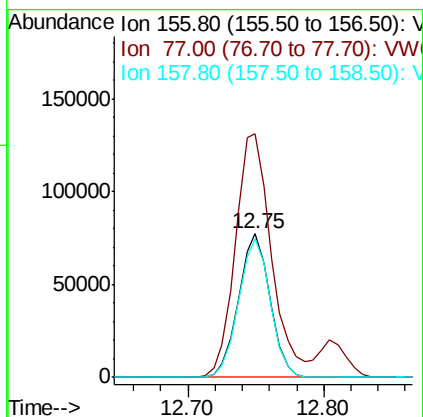
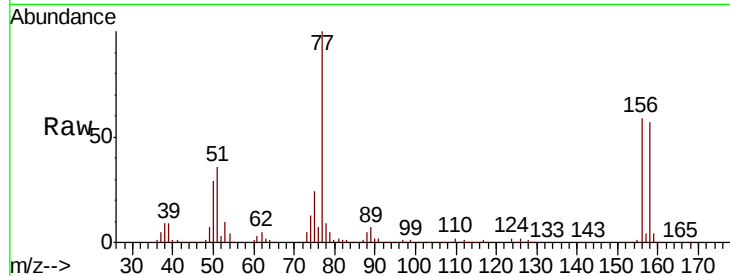




#77
Bromobenzene
Concen: 49.727 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

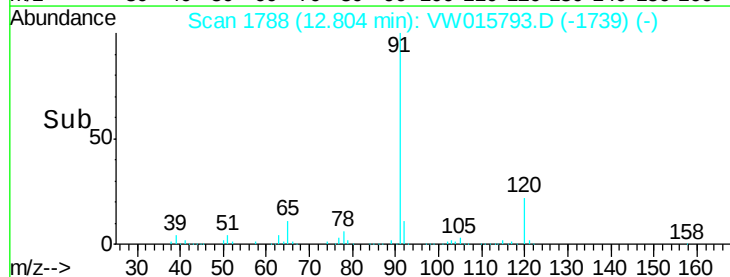
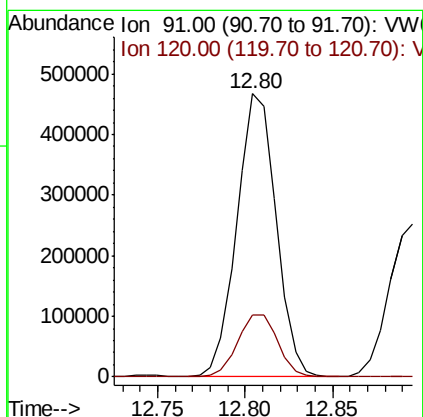
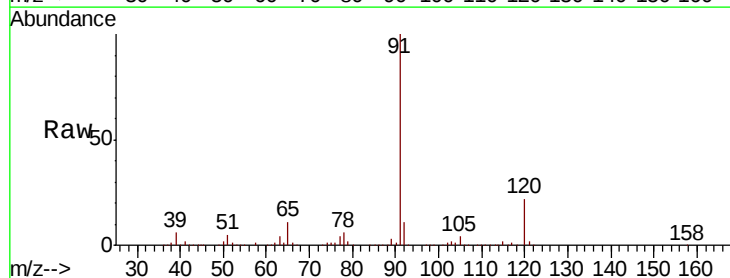
Instrument :
MSVOA_W
ClientSampleId :
BFB

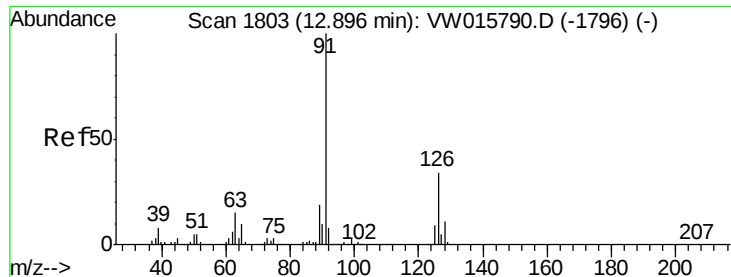
Tot Ion	156	Resp	124537
Ion Ratio	Lower	Upper	
156	100		
77	193.7	98.8	296.4
158	97.0	50.0	149.8



#78
n-propylbenzene
Concen: 53.654 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion	91	Resp	727385
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.6





#79

2-Chlorotoluene

Concen: 52.221 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

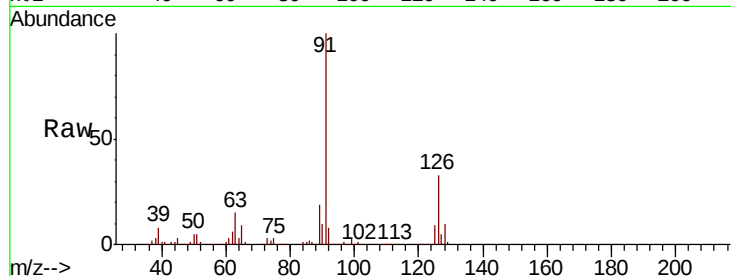
BFB

Tot Ion: 91 Resp: 403729

Ion Ratio Lower Upper

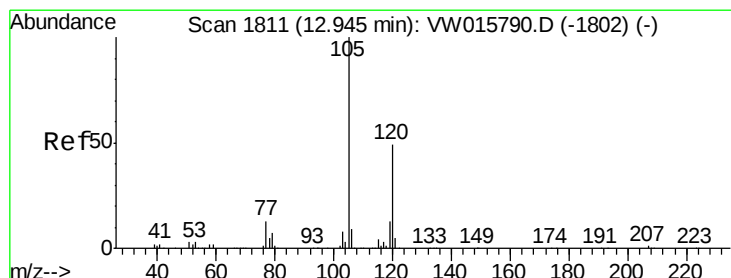
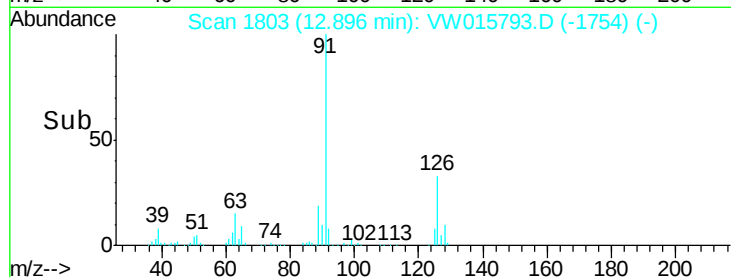
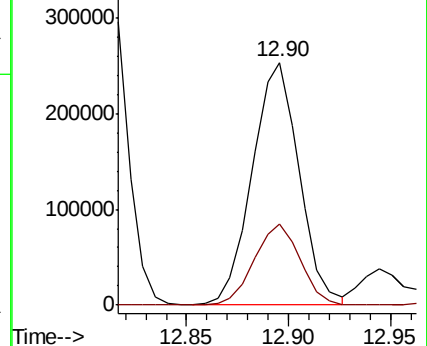
91 100

126 32.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.955 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015793.D

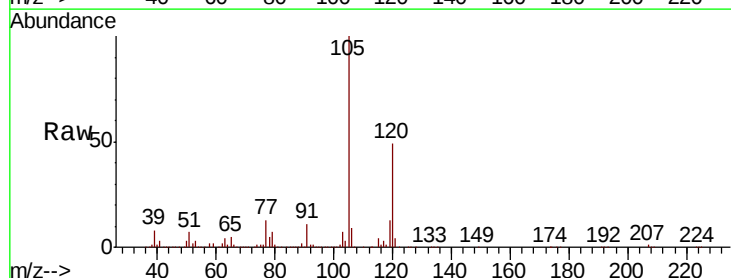
Acq: 07 Jul 2020 14:18

Tgt Ion:105 Resp: 513620

Ion Ratio Lower Upper

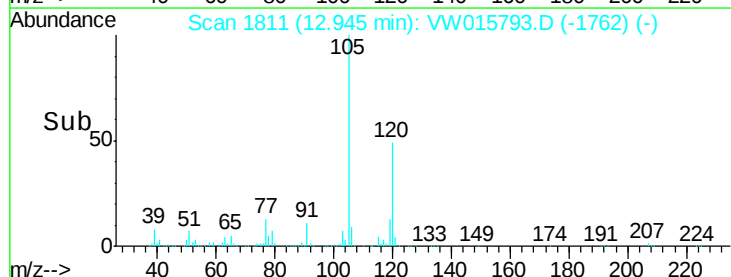
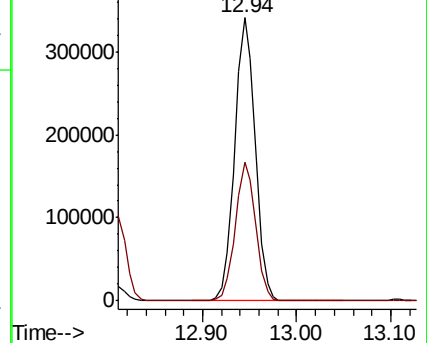
105 100

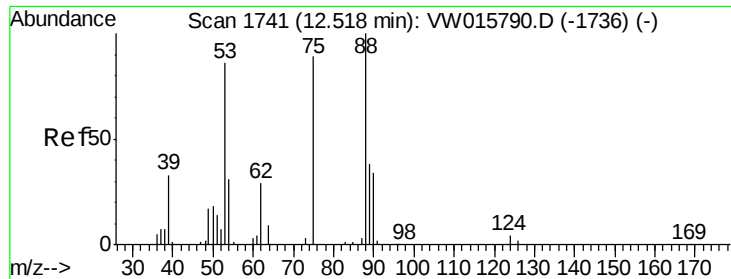
120 48.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.954 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

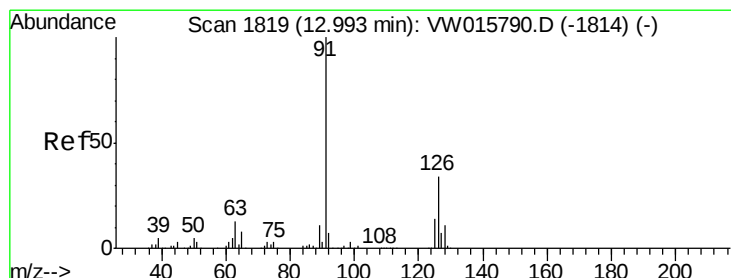
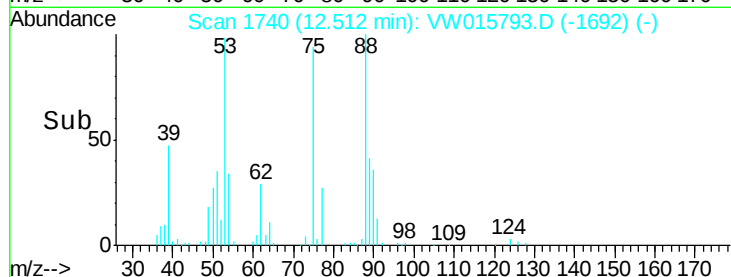
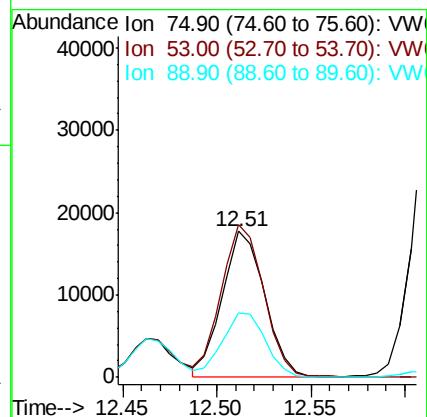
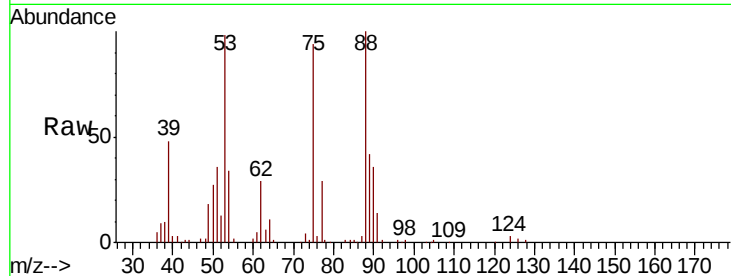
Tot Ion: 75 Resp: 27374

Ion Ratio Lower Upper

75 100

53 106.8 85.9 128.9

89 45.8 36.2 54.4



#82

4-Chlorotoluene

Concen: 52.524 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW015793.D

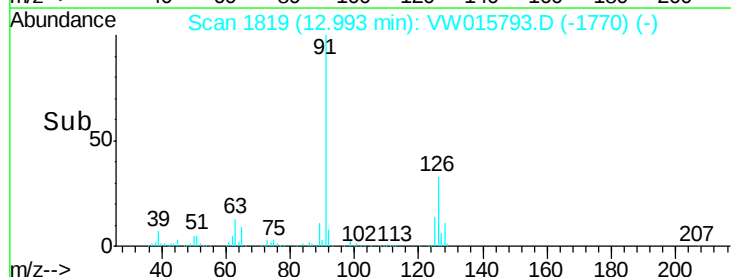
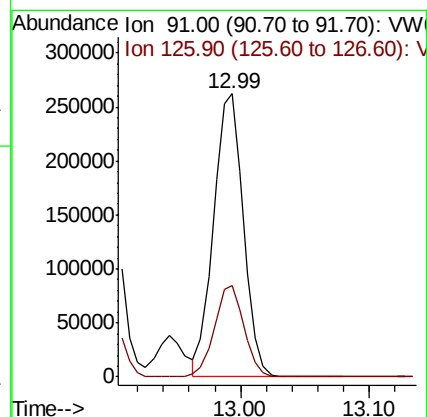
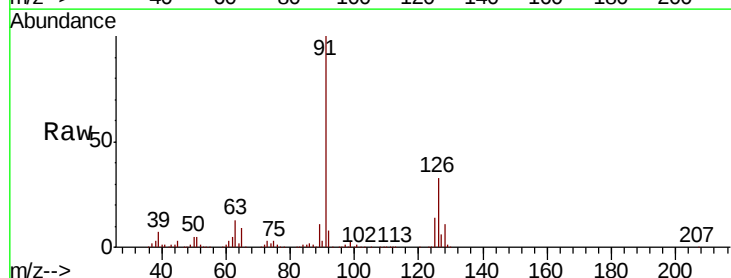
Acq: 07 Jul 2020 14:18

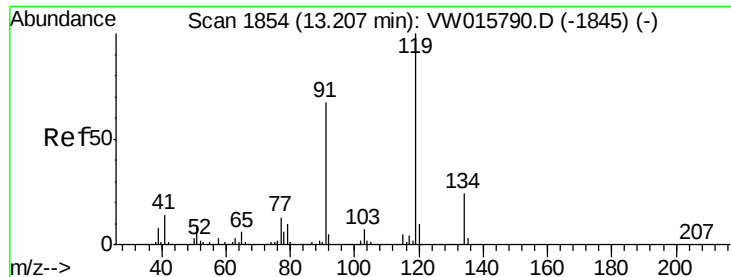
Tgt Ion: 91 Resp: 424039

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9

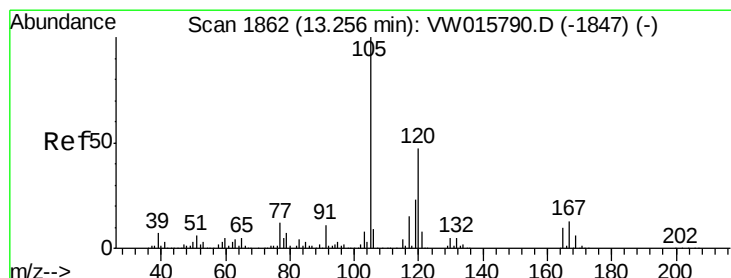
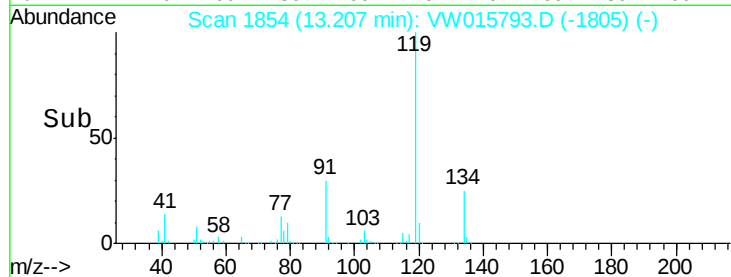
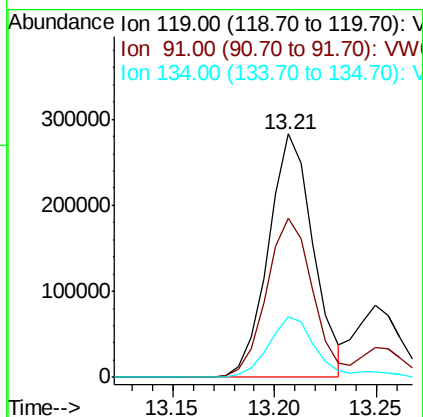
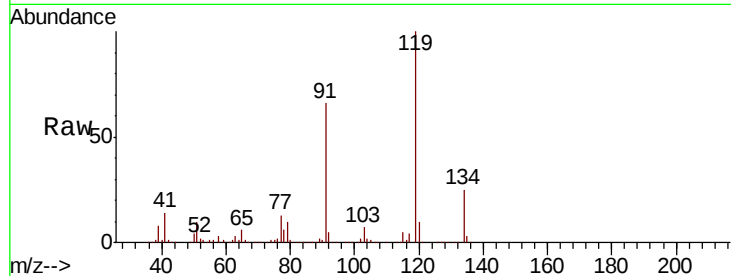




#83
tert-Butylbenzene
Concen: 54.959 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

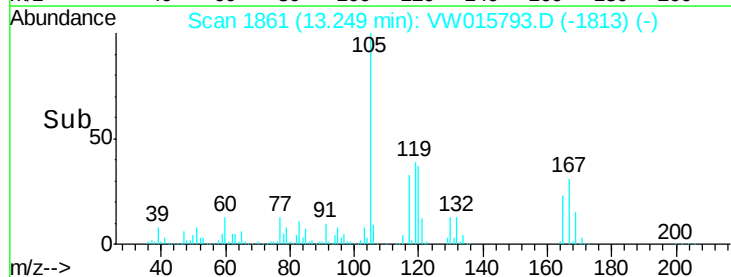
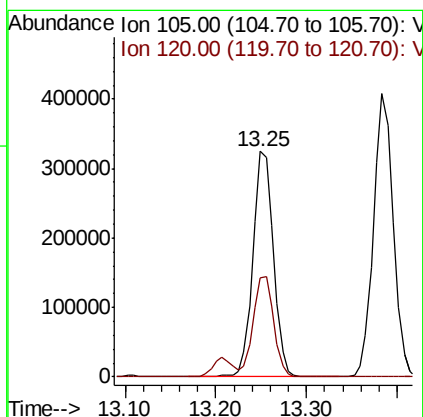
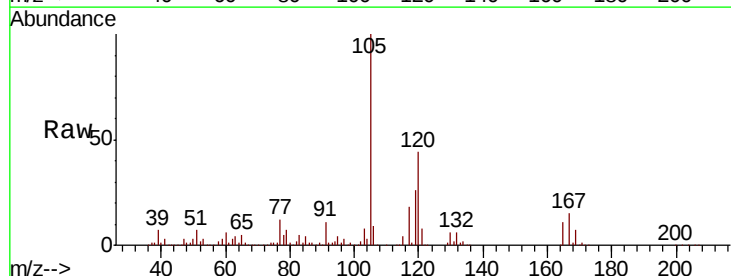
Instrument :
MSVOA_W
ClientSampleId :
BFB

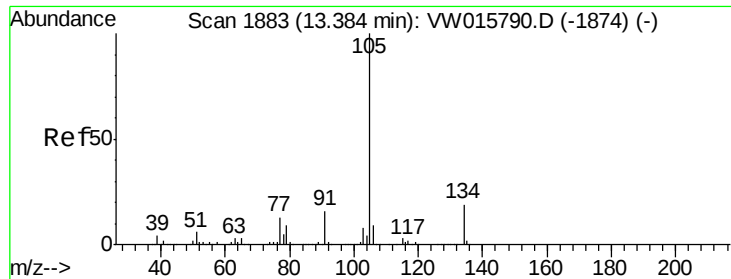
Tot Ion:119 Resp: 434337
Ion Ratio Lower Upper
119 100
91 67.8 34.4 103.3
134 25.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 53.650 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:105 Resp: 510027
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 53.749 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

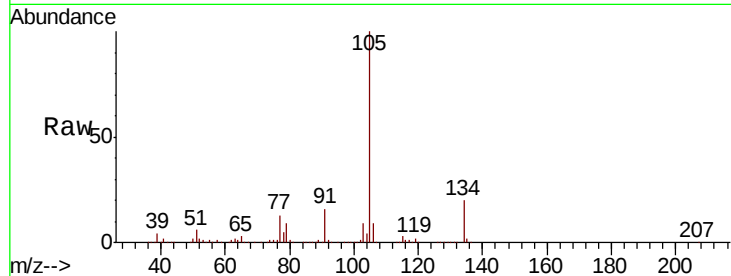
BFB

Tot Ion:105 Resp: 613462

Ion Ratio Lower Upper

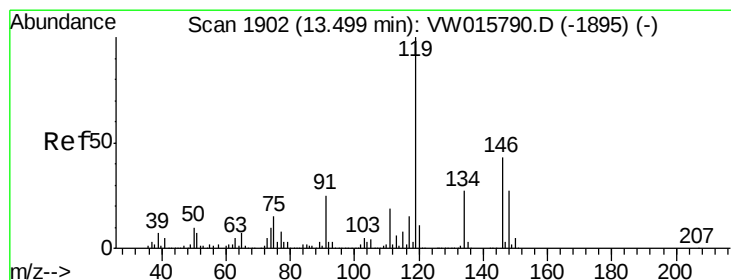
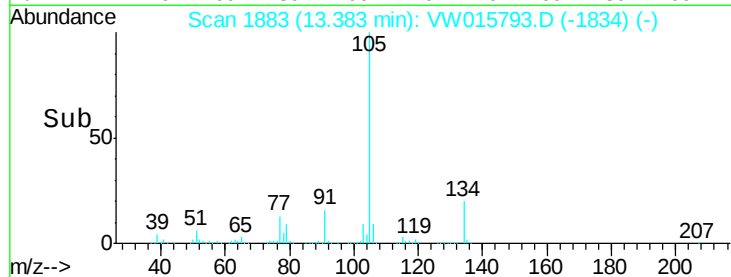
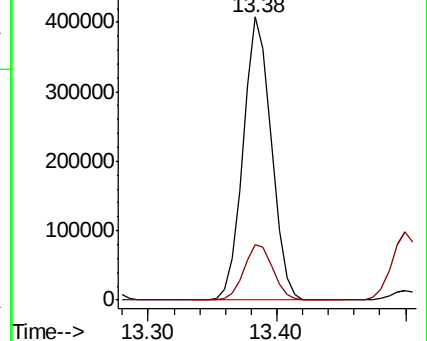
105 100

134 20.1 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.950 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

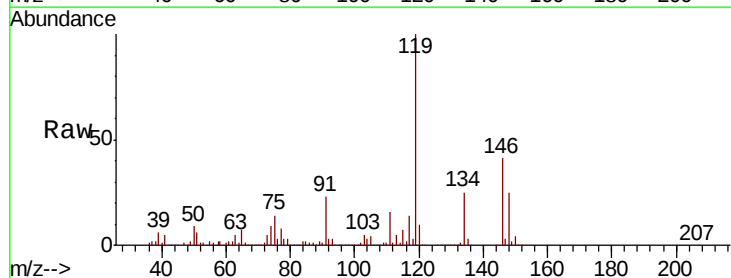
Tgt Ion:119 Resp: 572703

Ion Ratio Lower Upper

119 100

134 25.7 13.2 39.6

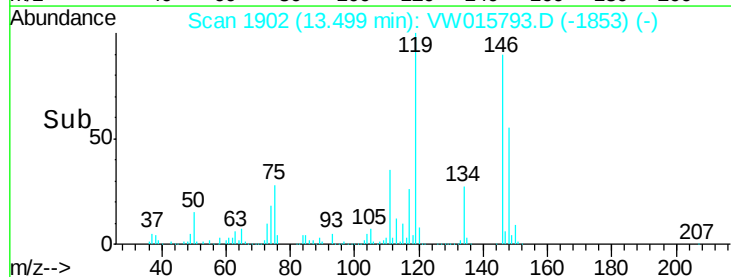
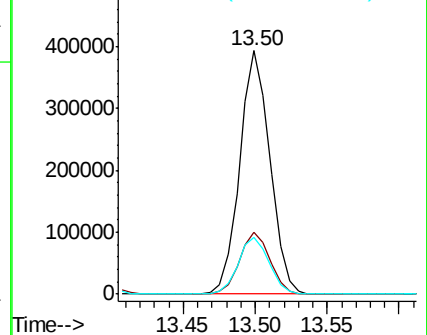
91 23.8 12.2 36.6

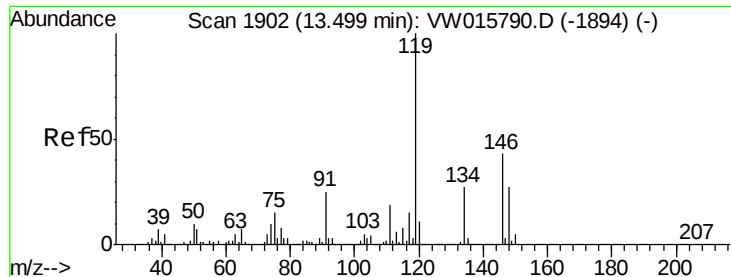


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

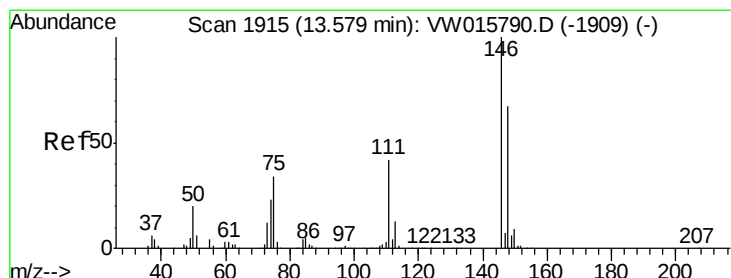
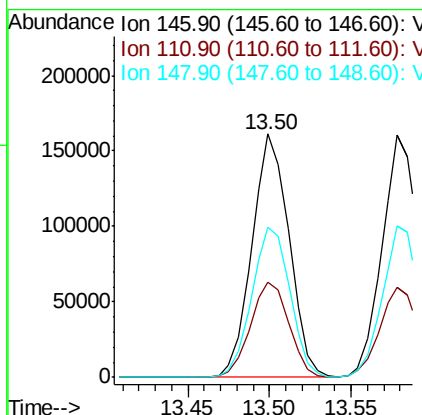
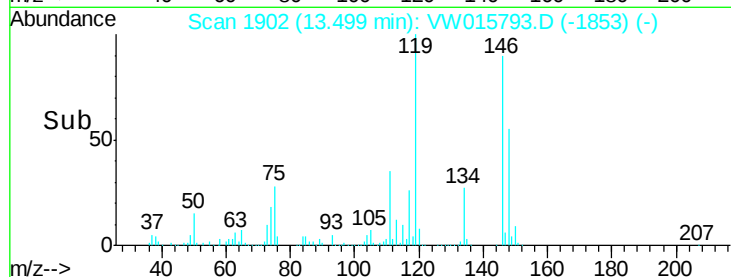
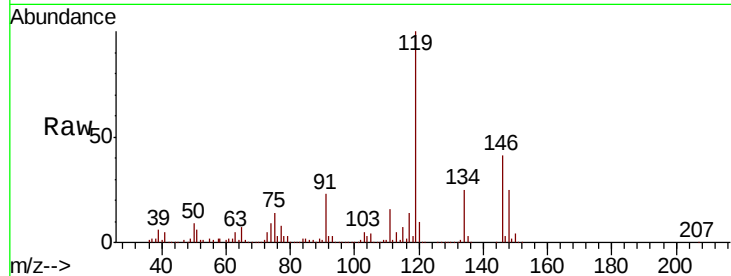




#87
 1,3-Dichlorobenzene
 Concen: 50.865 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

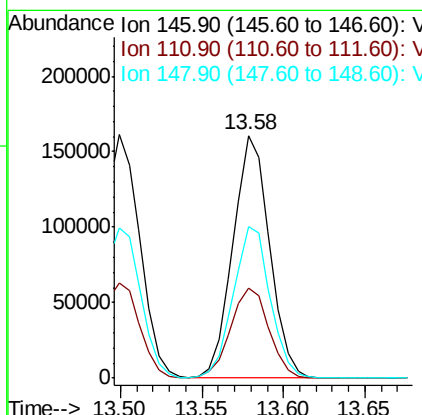
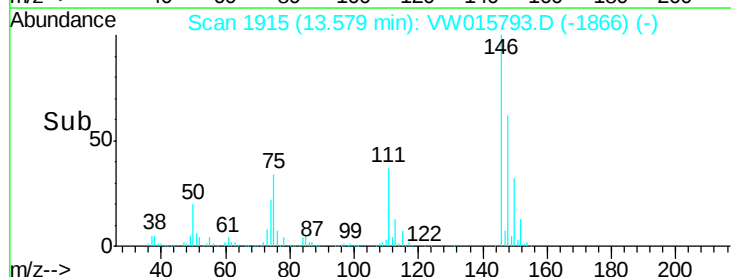
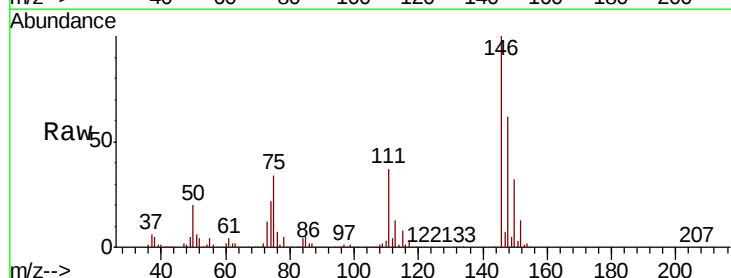
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

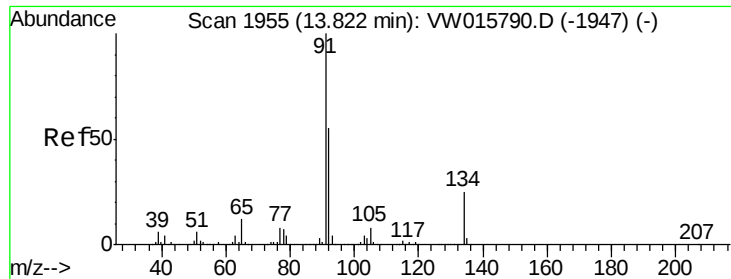
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.4
148	63.5	31.4	94.2



#88
 1,4-Dichlorobenzene
 Concen: 51.101 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.2	60.6
148	63.0	31.8	95.4





#89

n-Butylbenzene

Concen: 55.379 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

BFB

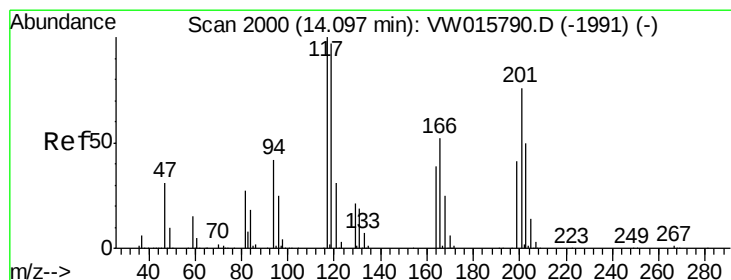
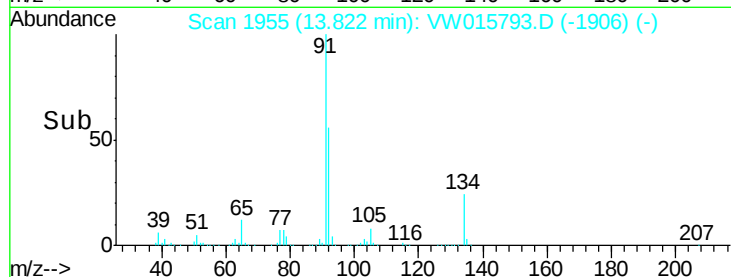
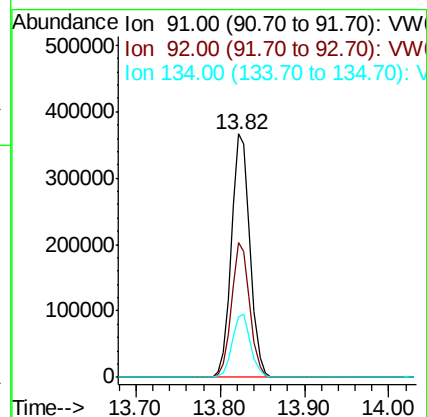
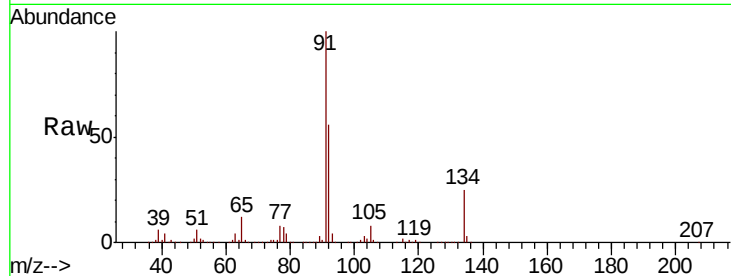
Tot Ion: 91 Resp: 552337

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 25.6 12.7 38.1



#90

Hexachloroethane

Concen: 52.439 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW015793.D

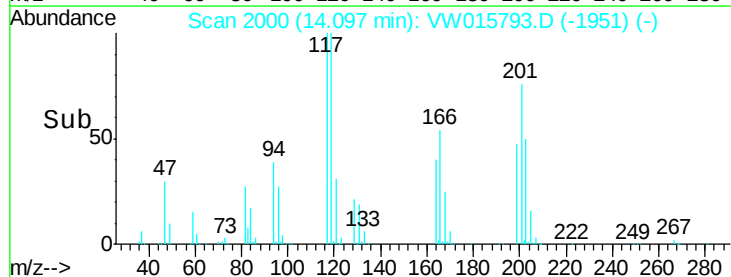
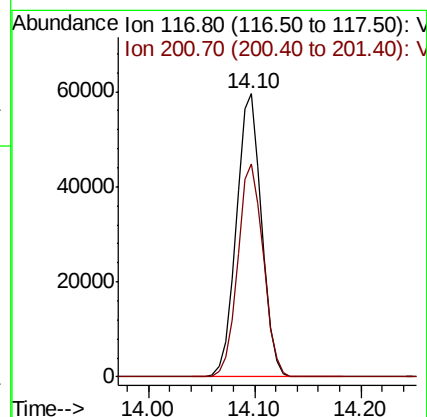
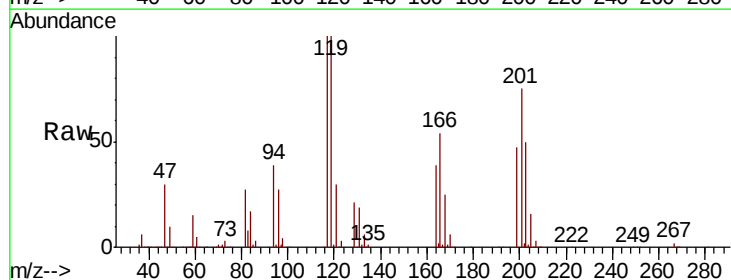
Acq: 07 Jul 2020 14:18

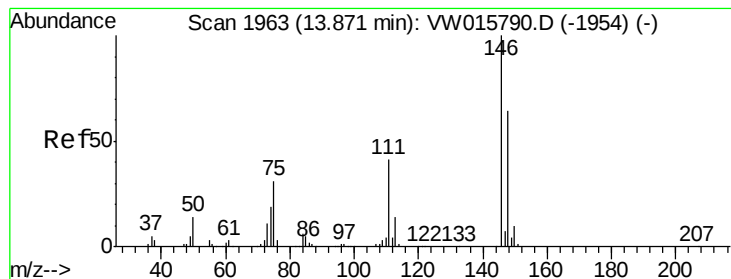
Tgt Ion: 117 Resp: 99062

Ion Ratio Lower Upper

117 100

201 75.9 37.1 111.3





#91

1,2-Dichlorobenzene

Concen: 49.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

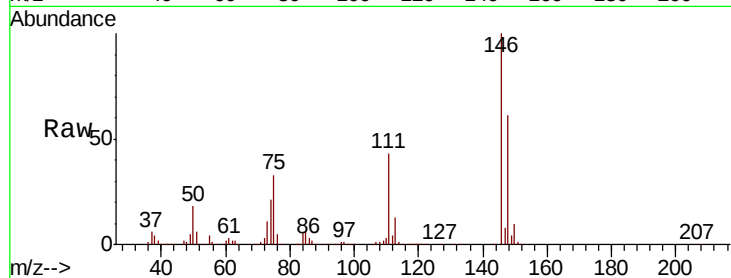
Tot Ion:146 Resp: 213265

Ion Ratio Lower Upper

146 100

111 43.5 20.6 61.9

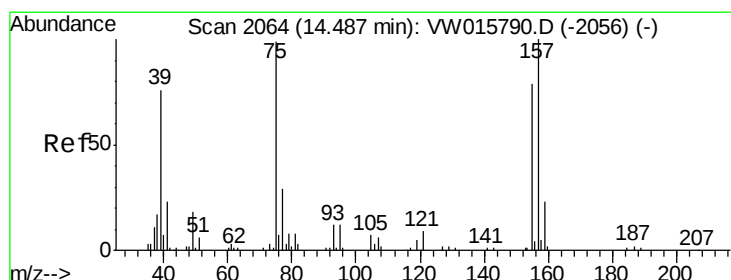
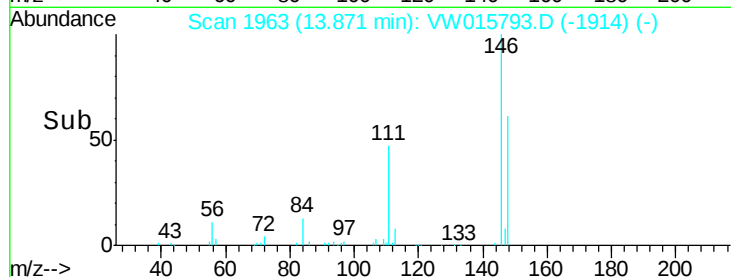
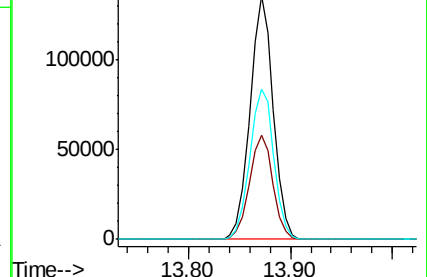
148 64.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.288 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015793.D

Acq: 07 Jul 2020 14:18

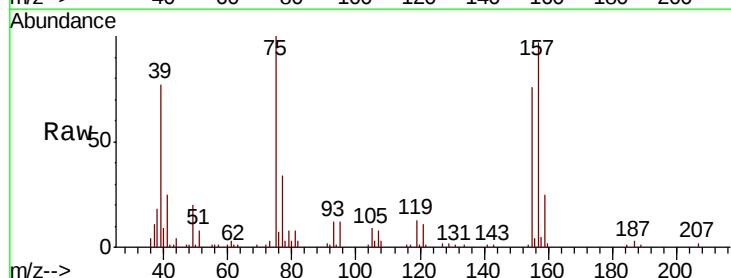
Tgt Ion: 75 Resp: 14022

Ion Ratio Lower Upper

75 100

155 79.3 39.1 117.5

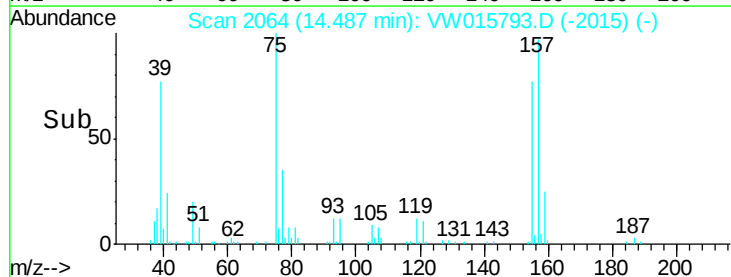
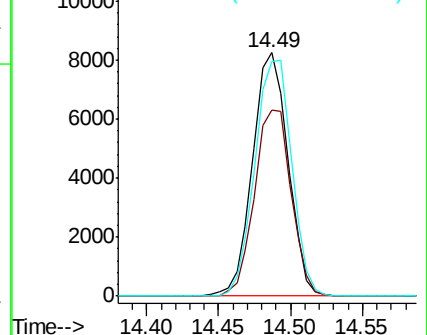
157 100.6 49.1 147.4

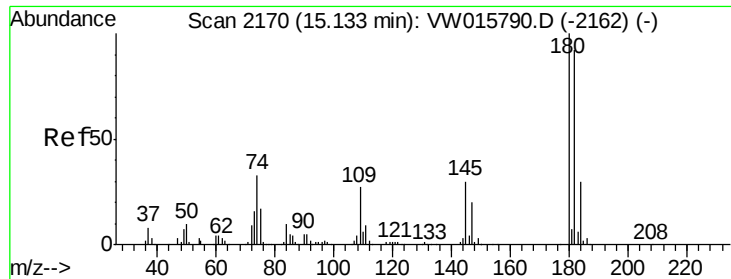


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

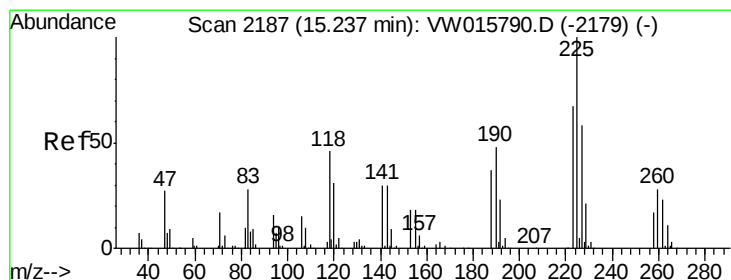
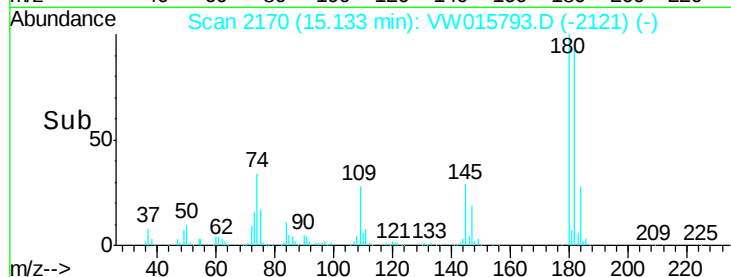
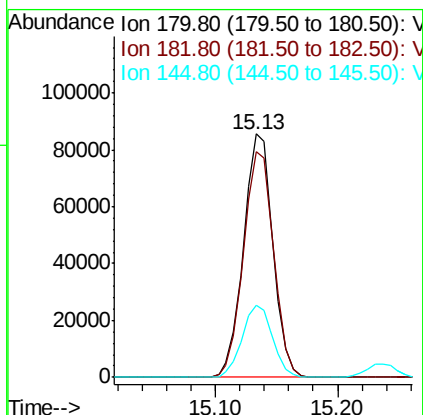
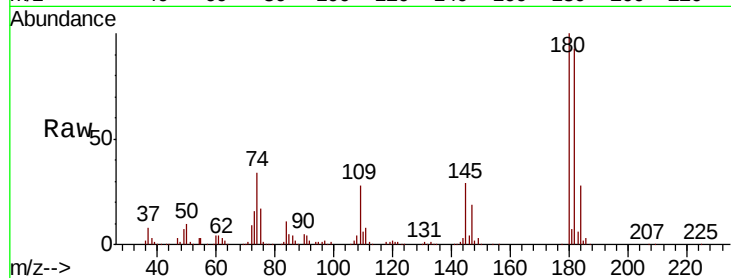




#93
 1,2,4-Trichlorobenzene
 Concen: 52.081 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

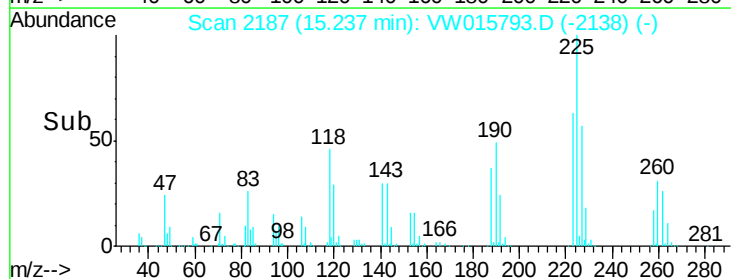
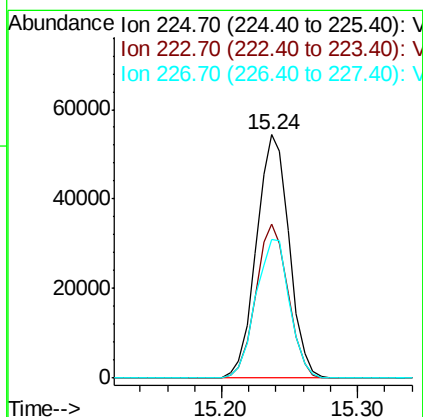
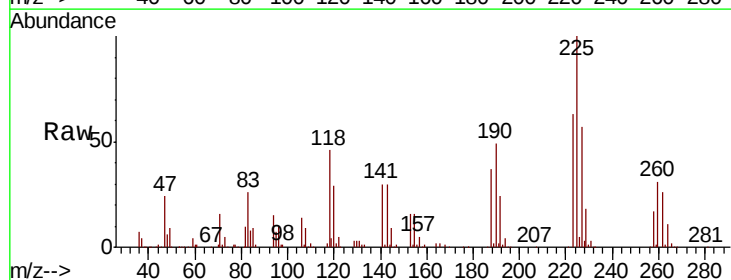
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

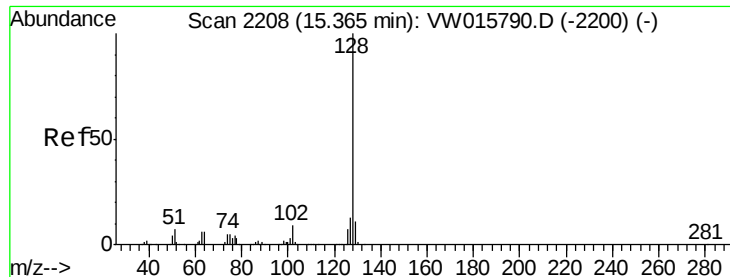
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.3
145	30.6	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 52.647 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015793.D
 Acq: 07 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	58.9	30.7	92.1

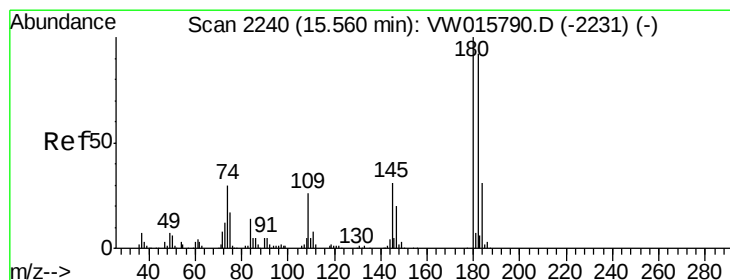
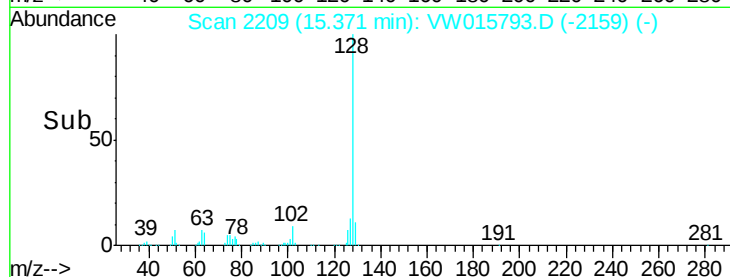
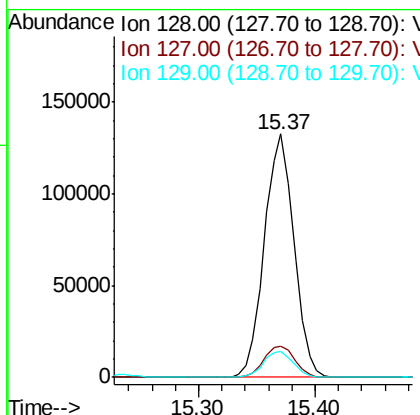
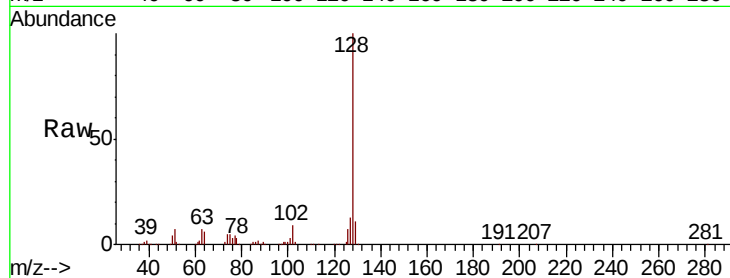




#95
Naphthalene
Concen: 45.695 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion:128 Resp: 232725
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.764 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW015793.D
Acq: 07 Jul 2020 14:18

Tgt Ion:180 Resp: 120779
Ion Ratio Lower Upper
180 100
182 90.3 47.7 143.1
145 32.3 16.7 50.0

