

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013638.D
 Acq On : 08 May 2023 09:16
 Operator : KP/MD
 Sample : BFB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: May 08 14:42:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	194	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	1356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1539	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	582	273.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	547.340%#
35) Dibromofluoromethane	7.709	113	194	35.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	71.640%
50) Toluene-d8	10.178	98	873	45.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.640%
62) 4-Bromofluorobenzene	12.483	95	194543	29954.967	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59909.940%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	196	106.272	ug/l	# 53
3) Chloromethane	2.119	50	5007	2025.329	ug/l	97
4) Vinyl Chloride	2.296	62	19	7.719	ug/l	# 43
5) Bromomethane	2.661	94	383	195.251	ug/l	# 14
6) Chloroethane	2.789	64	127	74.683	ug/l	# 44
7) Trichlorofluoromethane	3.143	101	364	97.614	ug/l	# 67
8) Diethyl Ether	3.527	74	147	115.762	ug/l	# 45
10) Methyl Iodide	4.088	142	108	41.110	ug/l	# 39
11) Tert butyl alcohol	4.911	59	22	92.256	ug/l	# 89
12) 1,1-Dichloroethene	3.862	96	39	19.343	ug/l	# 1
13) Acrolein	3.741	56	20	102.406	ug/l	# 16
14) Allyl chloride	4.509	41	51	13.632	ug/l	# 1
15) Acrylonitrile	5.173	53	429	603.239	ug/l	# 51
16) Acetone	3.954	43	1761	2102.680	ug/l	# 64
17) Carbon Disulfide	4.204	76	116	17.712	ug/l	# 75
18) Methyl Acetate	4.478	43	148	53.505	ug/l	# 51
19) Methyl tert-butyl Ether	5.228	73	119	20.444	ug/l	# 53
20) Methylene Chloride	4.710	84	15268	6932.918	ug/l	# 81
21) trans-1,2-Dichloroethene	5.246	96	42	19.052	ug/l	# 1
22) Diisopropyl ether	6.094	45	23	3.145	ug/l	# 33
25) 2-Butanone	6.984	43	195	183.592	ug/l	# 47
26) 2,2-Dichloropropane	6.947	77	48	13.669	ug/l	# 52
27) cis-1,2-Dichloroethene	6.984	96	78	32.024	ug/l	# 1
28) Bromochloromethane	7.508	49	95	65.690	ug/l	# 7
29) Tetrahydrofuran	7.362	42	179	270.737	ug/l	# 32
30) Chloroform	7.508	83	642	158.443	ug/l	# 81
31) Cyclohexane	7.782	56	20	5.253	ug/l	# 14
37) Ethyl Acetate	7.063	43	141	20.848	ug/l	# 69
38) Carbon Tetrachloride	8.118	117	23	2.442	ug/l	# 11
39) Methylcyclohexane	9.179	83	26	2.454	ug/l	# 56
40) Benzene	8.160	78	310	12.245	ug/l	# 67
41) Methacrylonitrile	7.289	41	20	6.346	ug/l	# 1
42) 1,2-Dichloroethane	8.240	62	56	6.766	ug/l	# 75
43) Isopropyl Acetate	8.197	43	47	4.117	ug/l	# 53
47) Bromodichloromethane	9.739	83	146	16.474	ug/l	# 1
48) Methyl methacrylate	9.300	41	41	7.820	ug/l	# 12

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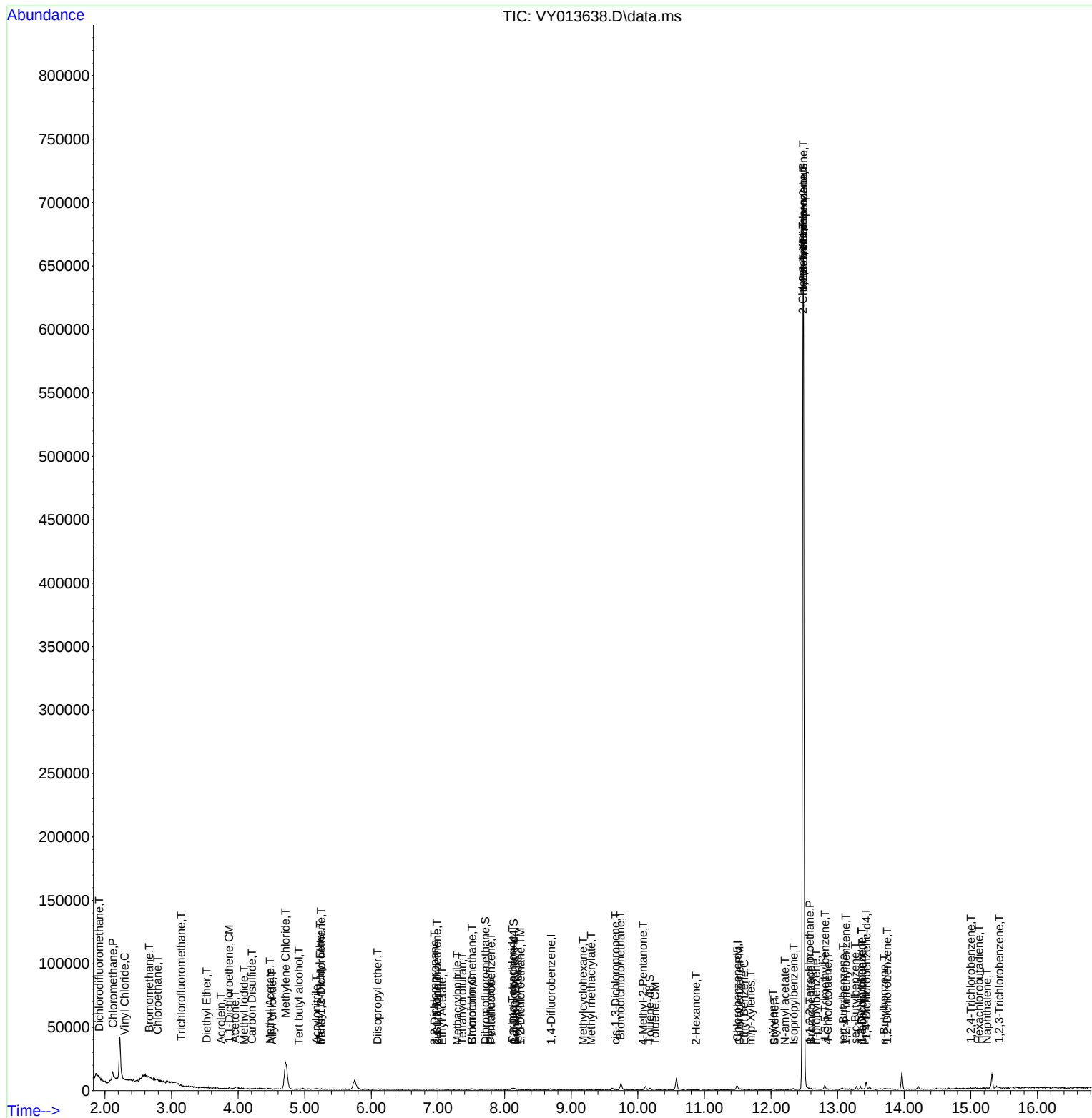
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	10.081	43	45	7.074	ug/l #	37
52) Toluene	10.258	92	137	8.993	ug/l #	60
54) cis-1,3-Dichloropropene	9.666	75	22	2.085	ug/l #	35
59) 2-Hexanone	10.873	43	26	5.623	ug/l #	26
65) Chlorobenzene	11.526	112	99	3.352	ug/l #	44
67) Ethyl Benzene	11.599	91	245	4.723	ug/l #	43
68) m/p-Xylenes	11.696	106	91	4.615	ug/l #	1
69) o-Xylene	12.032	106	82	4.397	ug/l #	31
70) Styrene	12.050	104	138	4.426	ug/l #	6
73) Isopropylbenzene	12.343	105	284	2.440	ug/l #	48
74) N-amyl acetate	12.209	43	46	1.110	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.580	83	72	2.531	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	105626	5089.117	ug/l #	100
77) Bromobenzene	12.599	156	45	1.595	ug/l #	60
78) n-propylbenzene	12.678	91	241	1.681	ug/l #	51
79) 2-Chlorotoluene	12.477	91	785	9.804	ug/l	76
80) 1,3,5-Trimethylbenzene	12.812	105	247	2.600	ug/l #	57
81) trans-1,4-Dichloro-2-b...	12.483	75	105626	10410.067	ug/l #	13
82) 4-Chlorotoluene	12.855	91	137	1.642	ug/l #	39
83) tert-Butylbenzene	13.080	119	166	2.017	ug/l #	76
84) 1,2,4-Trimethylbenzene	13.123	105	311	3.367	ug/l #	44
85) sec-Butylbenzene	13.263	105	202	1.635	ug/l #	56
86) p-Isopropyltoluene	13.373	119	120	1.208	ug/l #	50
87) 1,3-Dichlorobenzene	13.361	146	226	4.206	ug/l	69
88) 1,4-Dichlorobenzene	13.361	146	226	4.163	ug/l	70
89) n-Butylbenzene	13.696	91	197	2.032	ug/l #	72
91) 1,2-Dichlorobenzene	13.745	146	278	5.729	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.001	180	346	11.960	ug/l #	78
94) Hexachlorobutadiene	15.123	225	37	2.198	ug/l #	59
95) Naphthalene	15.245	128	430	6.850	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.427	180	322	12.487	ug/l #	49

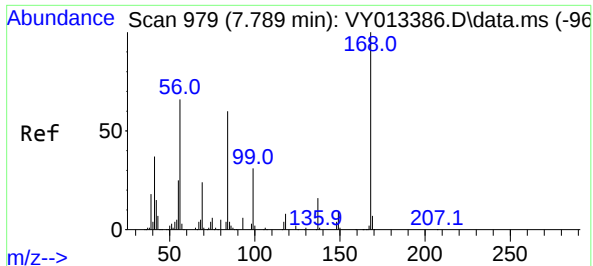
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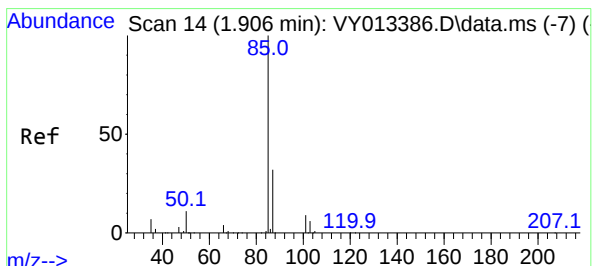
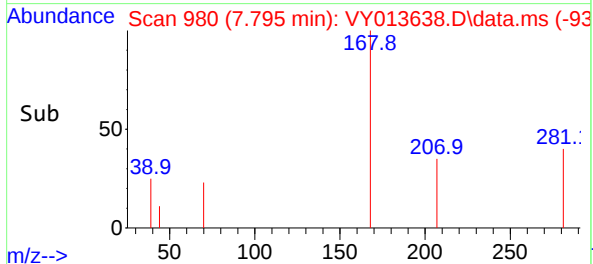
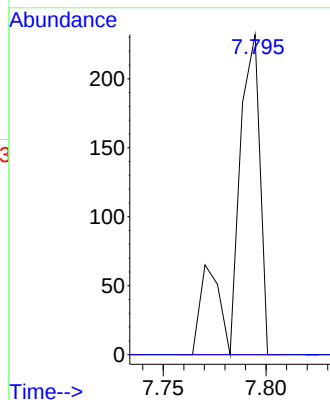
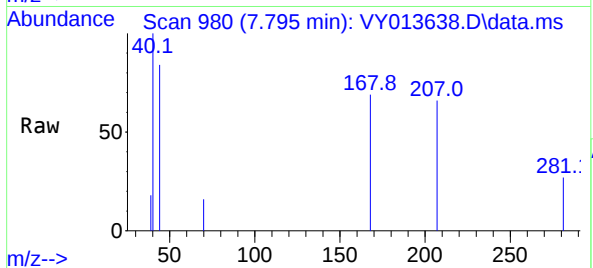




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

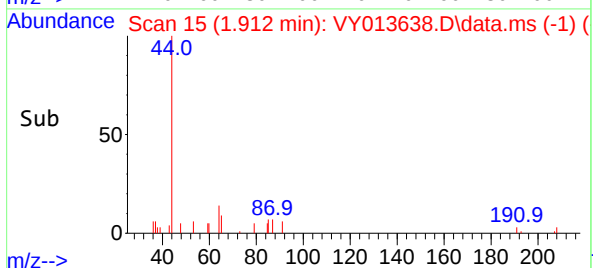
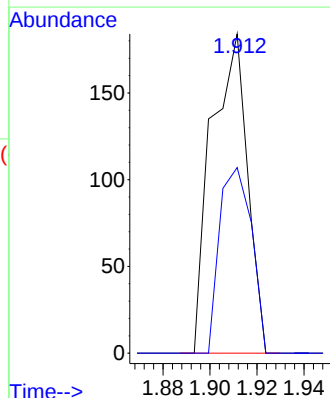
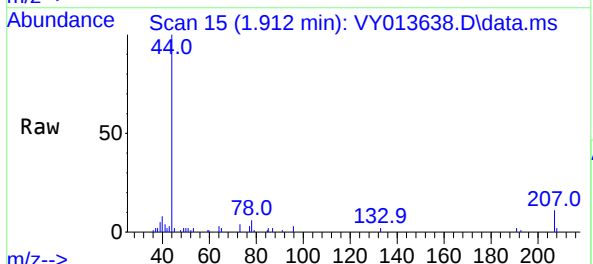
Instrument :
MSVOA_Y
ClientSampleId :
BFB

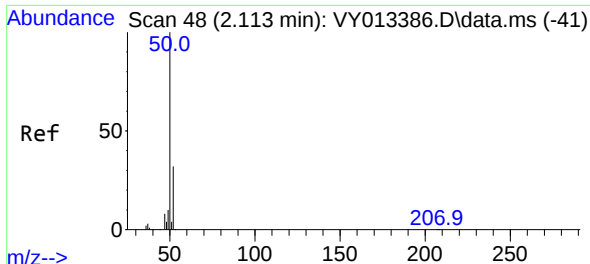
Tgt Ion:168 Resp: 194
Ion Ratio Lower Upper
168 100
99 0.0 41.8 62.6#



#2
Dichlorodifluoromethane
Concen: 106.272 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 85 Resp: 196
Ion Ratio Lower Upper
85 100
87 58.2 16.1 48.2#

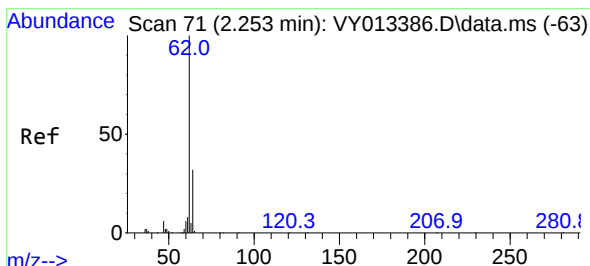
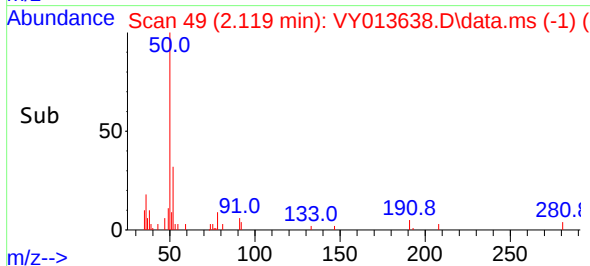
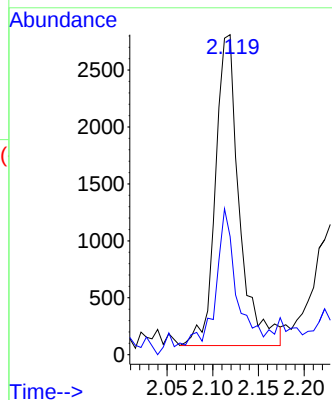
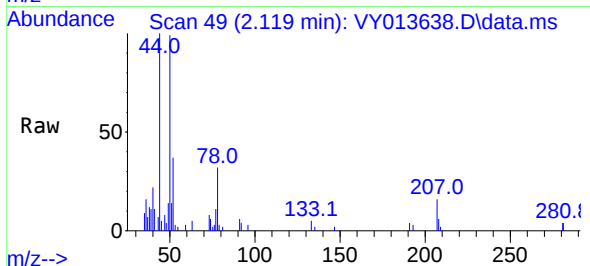




#3
Chloromethane
Concen: 2025.329 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

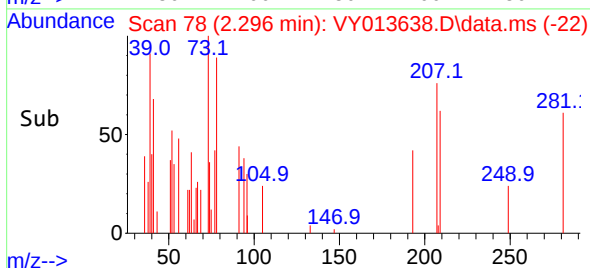
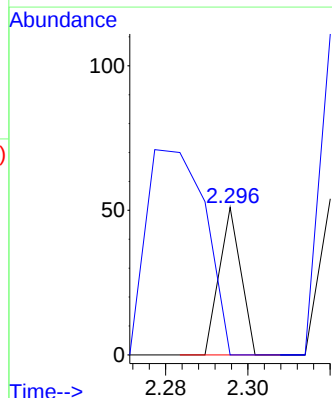
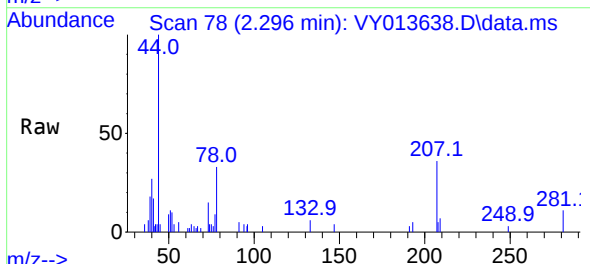
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ClientSampleId :
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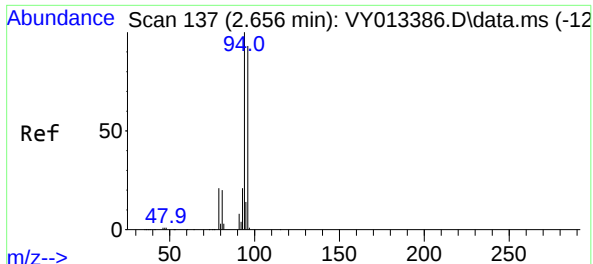
Tgt Ion: 50 Resp: 5007
Ion Ratio Lower Upper
50 100
52 34.2 25.9 38.9



#4
Vinyl Chloride
Concen: 7.719 ug/l
RT: 2.296 min Scan# 78
Delta R.T. 0.043 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

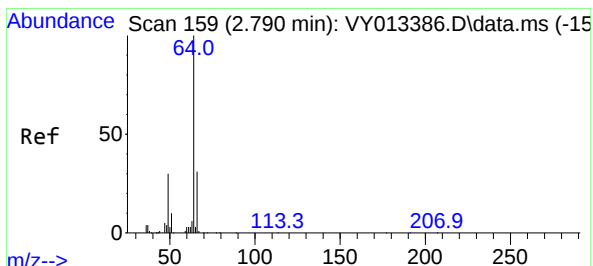
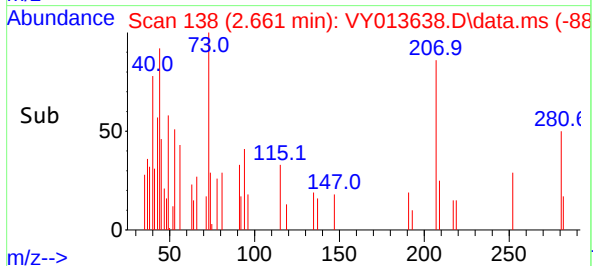
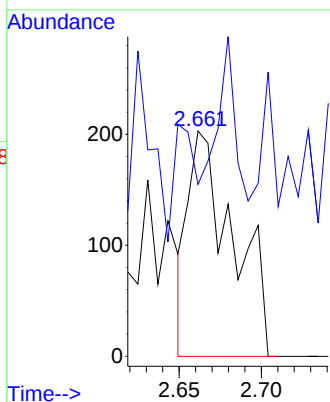
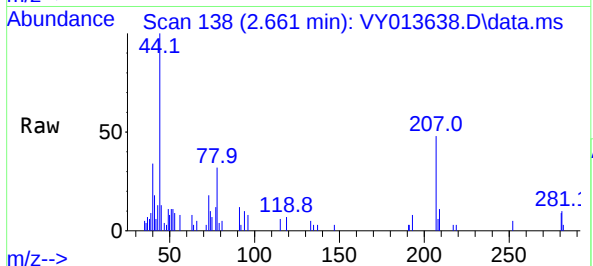




#5
Bromomethane
Concen: 195.251 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

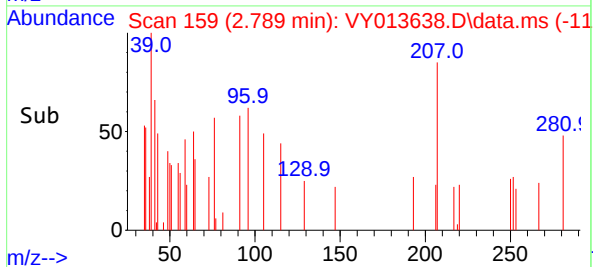
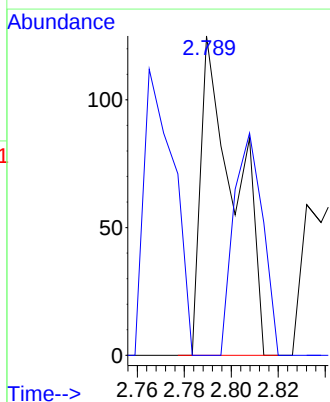
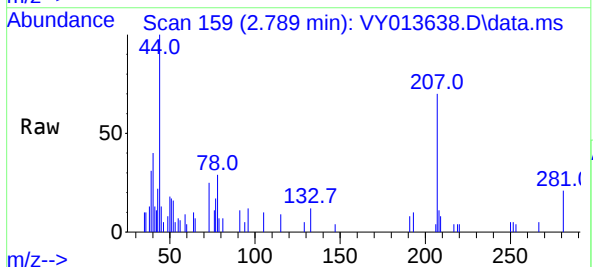
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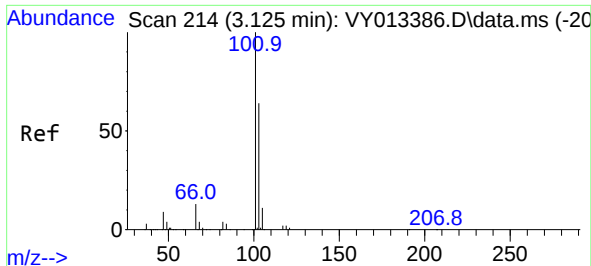
Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 9.9 74.2 111.2#



#6
Chloroethane
Concen: 74.683 ug/l
RT: 2.789 min Scan# 159
Delta R.T. -0.001 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#

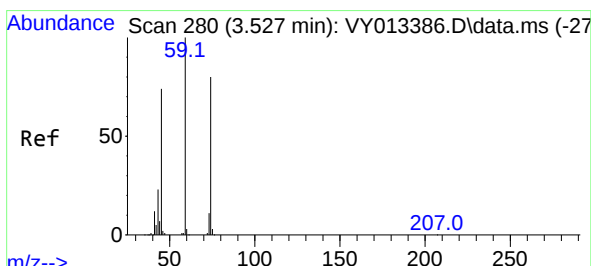
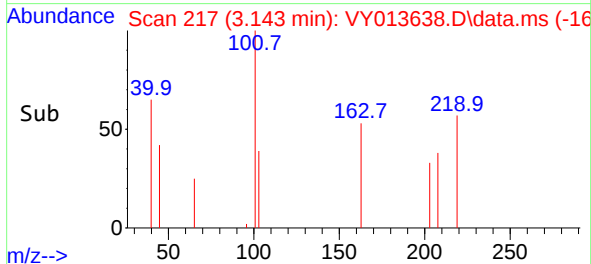
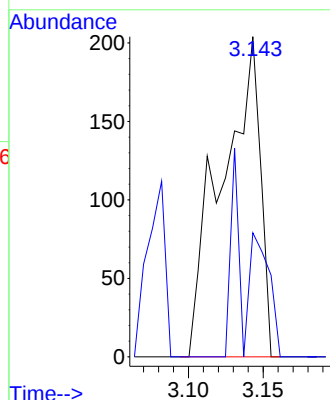
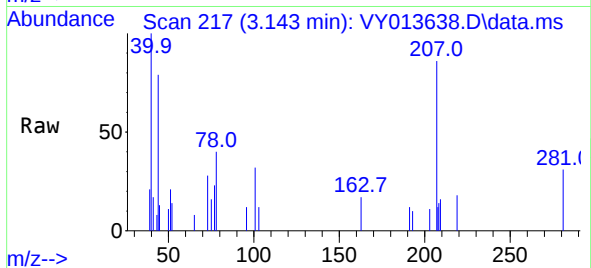




#7
 Trichlorofluoromethane
 Concen: 97.614 ug/l
 RT: 3.143 min Scan# 214
 Delta R.T. 0.018 min
 Lab File: VY013638.D
 Acq: 08 May 2023 09:16

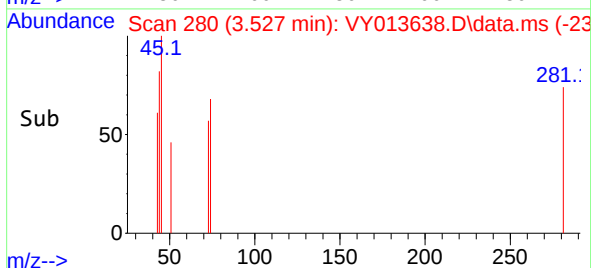
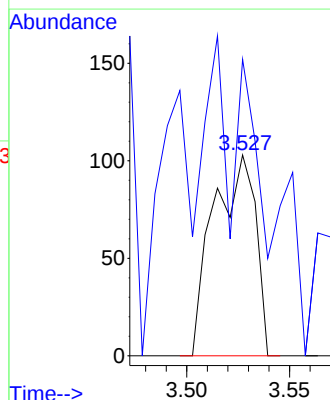
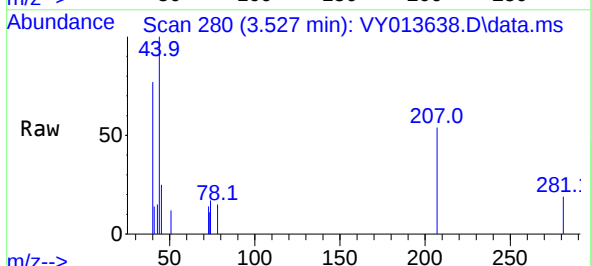
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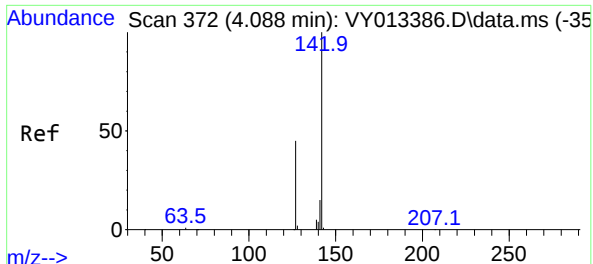
Tgt Ion:101 Resp: 364
 Ion Ratio Lower Upper
 101 100
 103 38.7 51.6 77.4#



#8
 Diethyl Ether
 Concen: 115.762 ug/l
 RT: 3.527 min Scan# 280
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 147
 Ion Ratio Lower Upper
 74 100
 45 42.2 48.2 144.6#

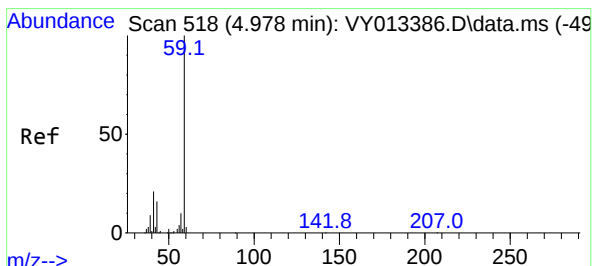
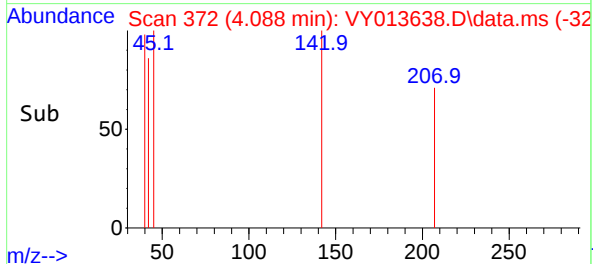
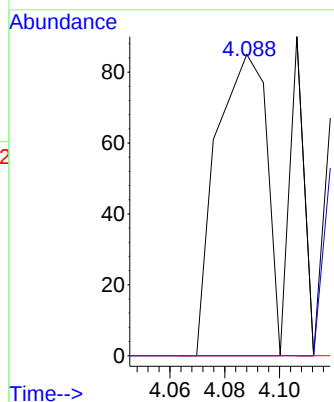
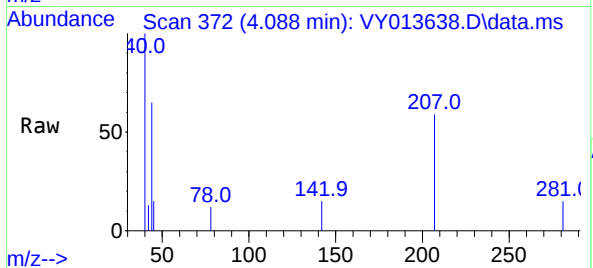




#10
Methyl Iodide
Concen: 41.110 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

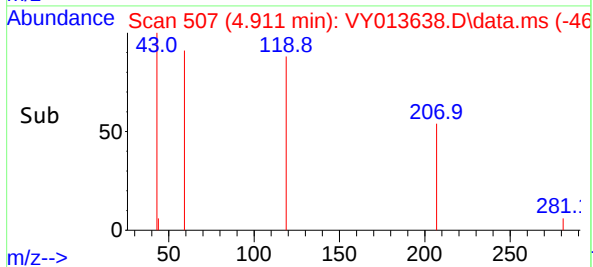
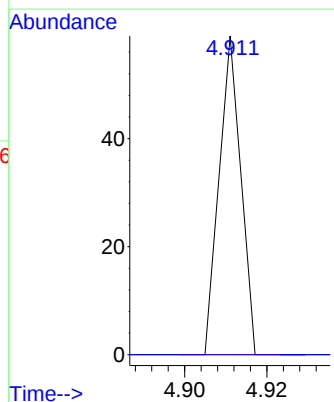
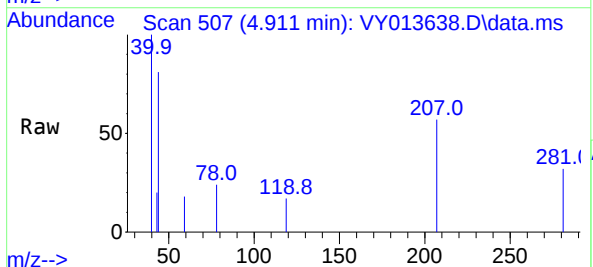
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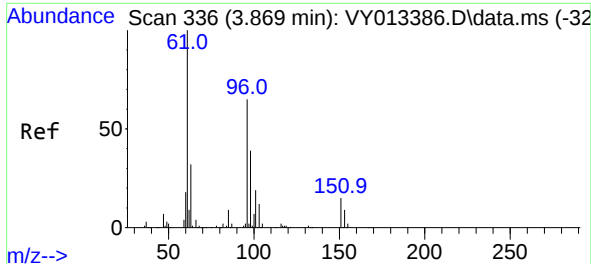
Tgt Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 92.256 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.067 min
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Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#12

1,1-Dichloroethene

Concen: 19.343 ug/l

RT: 3.862 min Scan# 315

Delta R.T. -0.007 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

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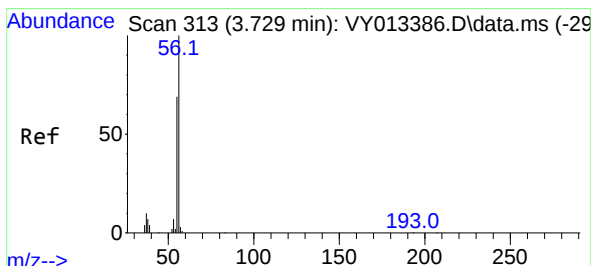
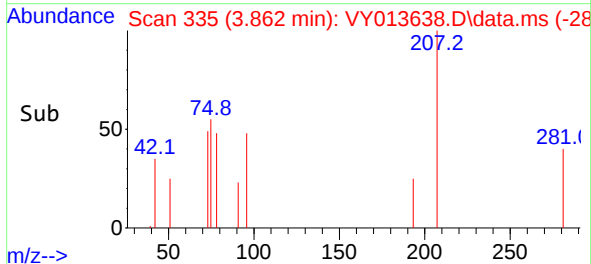
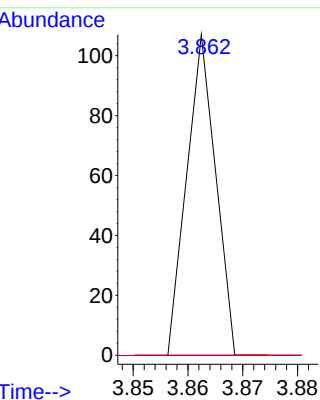
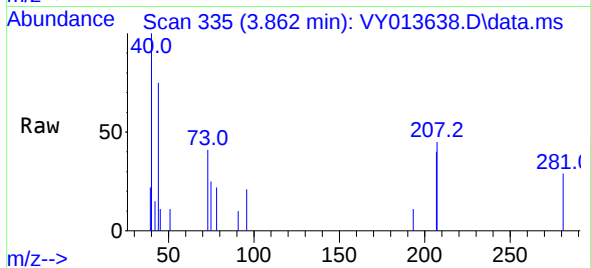
Tgt Ion: 96 Resp: 39

Ion Ratio Lower Upper

96 100

61 0.0 123.9 185.9#

98 0.0 48.9 73.3#



#13

Acrolein

Concen: 102.406 ug/l

RT: 3.741 min Scan# 315

Delta R.T. 0.012 min

Lab File: VY013638.D

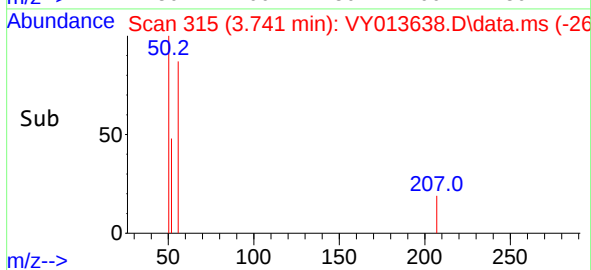
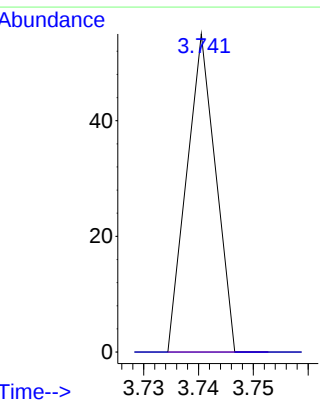
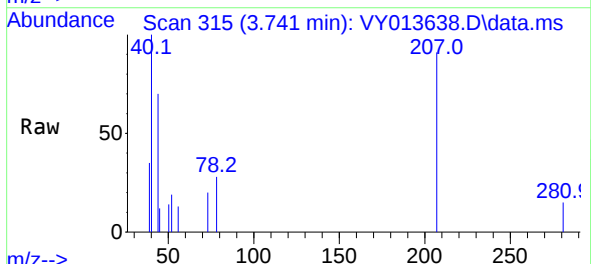
Acq: 08 May 2023 09:16

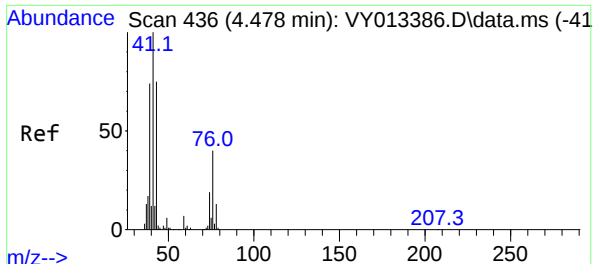
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#

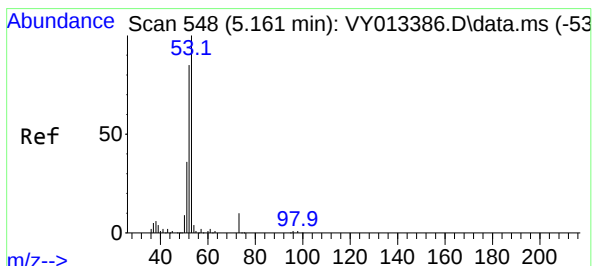
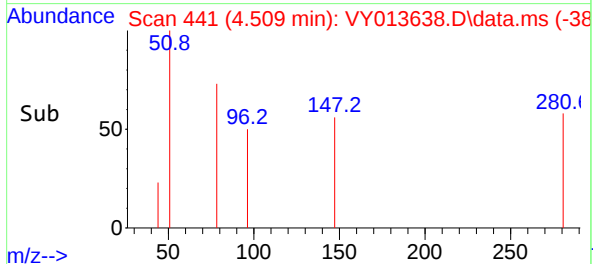
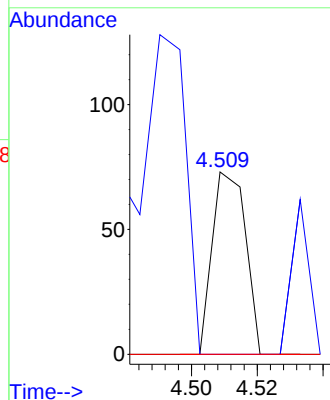
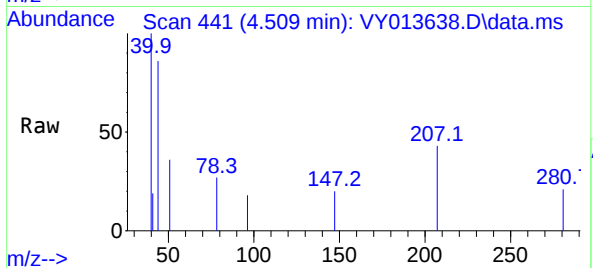




#14
 Allyl chloride
 Concen: 13.632 ug/l
 RT: 4.509 min Scan# 441
 Delta R.T. 0.031 min
 Lab File: VY013638.D
 Acq: 08 May 2023 09:16

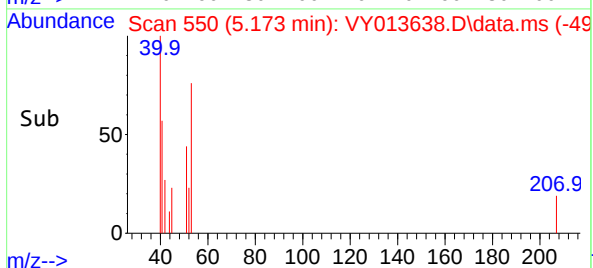
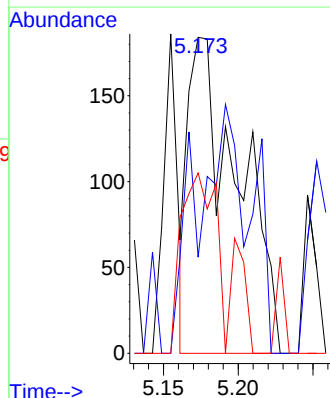
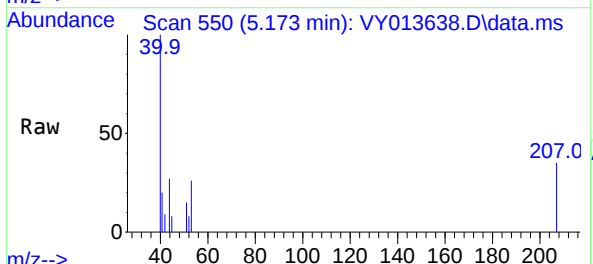
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

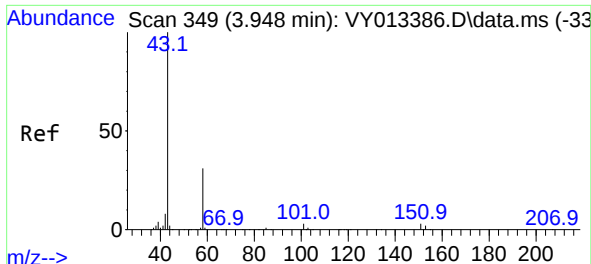
Tgt Ion: 41 Resp: 51
 Ion Ratio Lower Upper
 41 100
 39 270.6 56.6 85.0#
 76 0.0 30.5 45.7#



#15
 Acrylonitrile
 Concen: 603.239 ug/l
 RT: 5.173 min Scan# 550
 Delta R.T. 0.012 min
 Lab File: VY013638.D
 Acq: 08 May 2023 09:16

Tgt Ion: 53 Resp: 429
 Ion Ratio Lower Upper
 53 100
 52 20.5 65.4 98.0#
 51 39.2 29.3 43.9

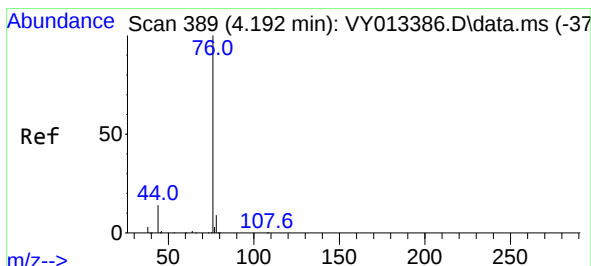
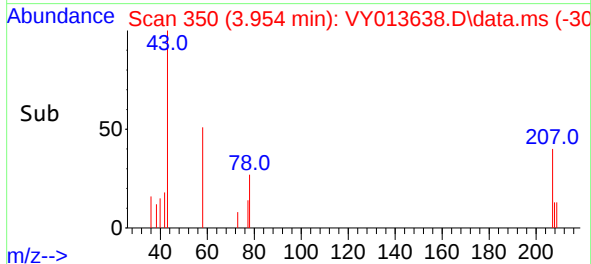
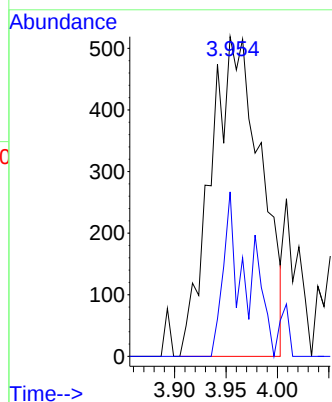
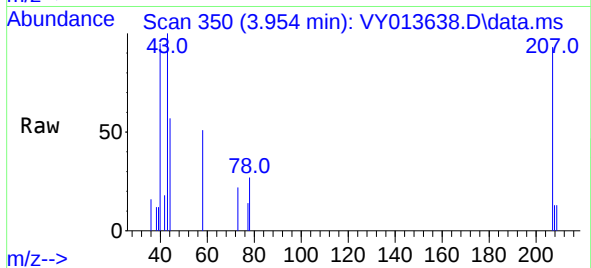




#16
Acetone
Concen: 2102.680 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

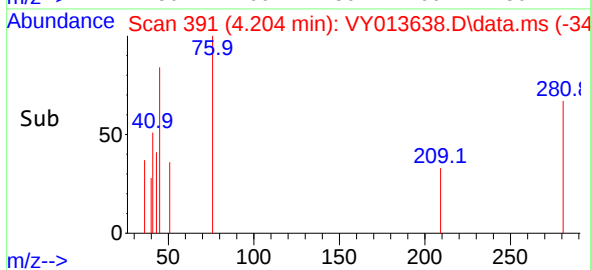
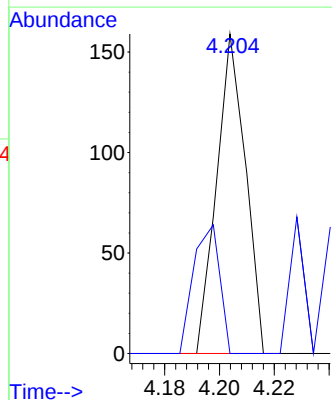
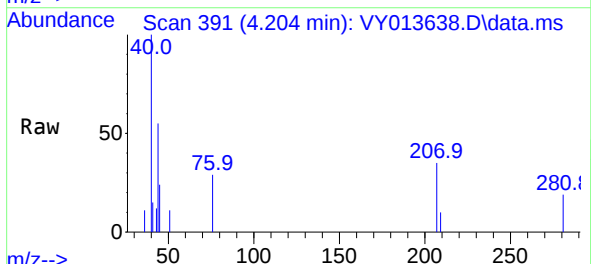
Instrument :
MSVOA_Y
ClientSampleId :
BFB

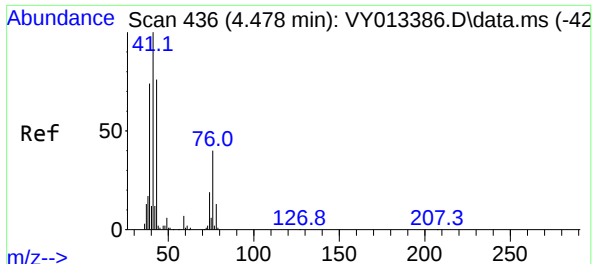
Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 51.4 25.4 38.0#



#17
Carbon Disulfide
Concen: 17.712 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 76 Resp: 116
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 53.505 ug/l

RT: 4.478 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

Instrument :

MSVOA_Y

ClientSampleId :

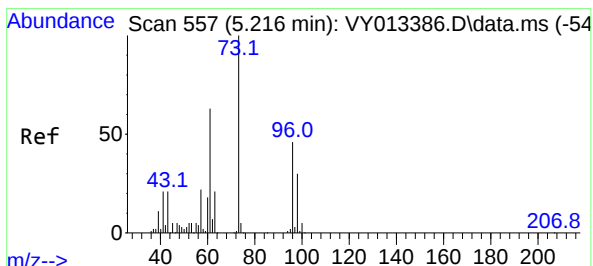
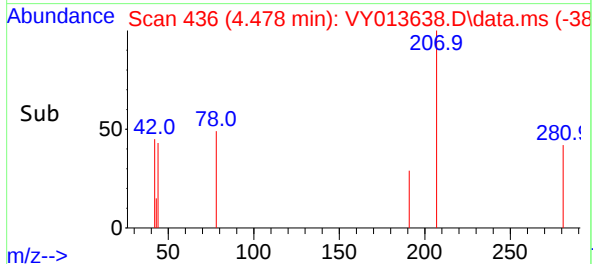
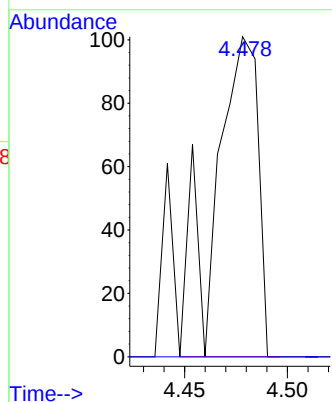
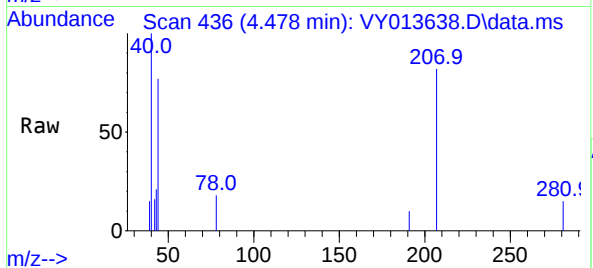
BFB

Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 20.444 ug/l

RT: 5.228 min Scan# 559

Delta R.T. 0.012 min

Lab File: VY013638.D

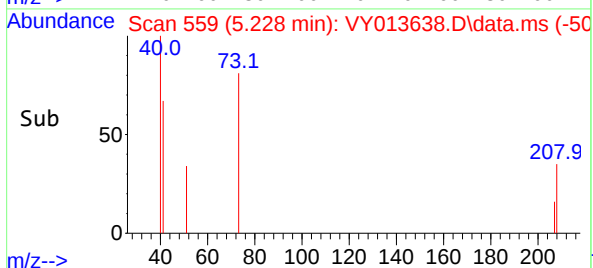
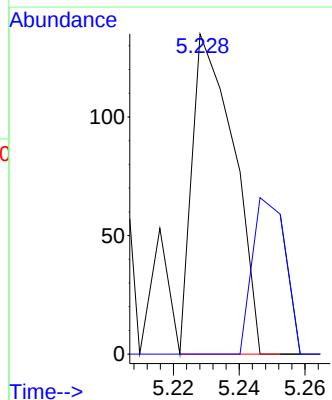
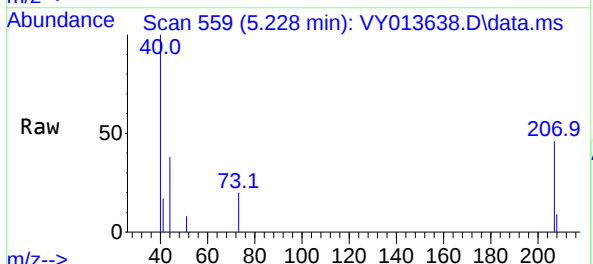
Acq: 08 May 2023 09:16

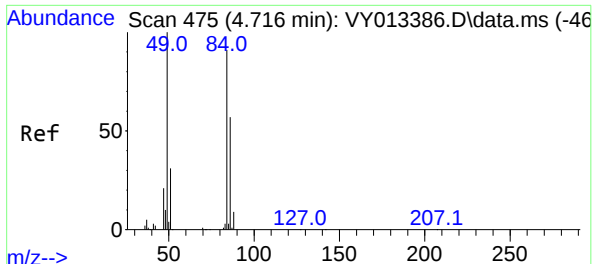
Tgt Ion: 73 Resp: 119

Ion Ratio Lower Upper

73 100

57 0.0 17.8 26.8#

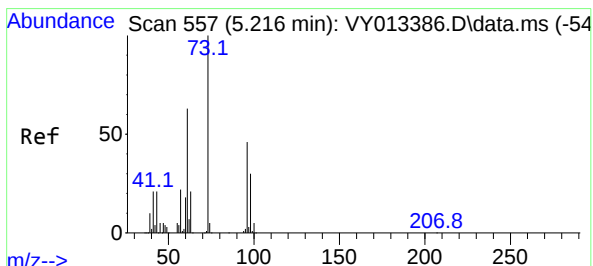
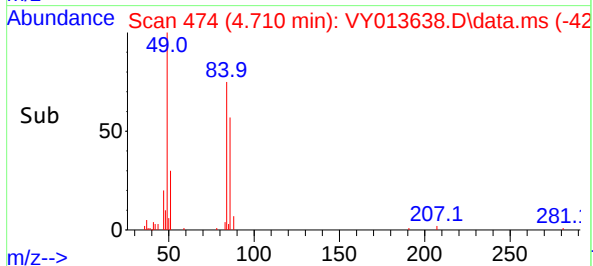
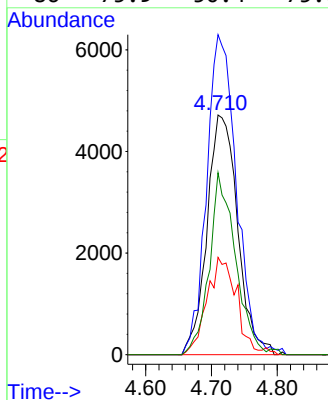
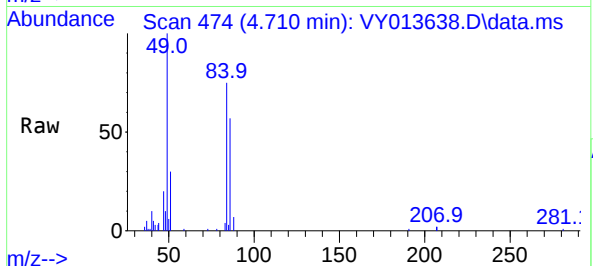




#20
Methylene Chloride
Concen: 6932.918 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

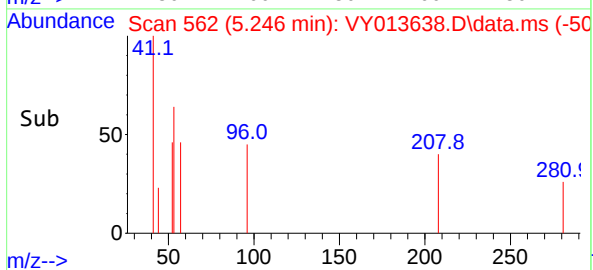
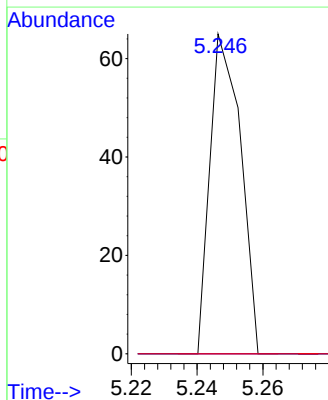
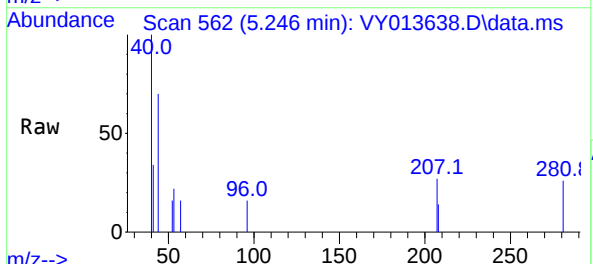
Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion: 84 Resp: 15268
Ion Ratio Lower Upper
84 100
49 133.5 88.0 132.0#
51 40.6 27.4 41.0
86 75.9 50.4 75.6#

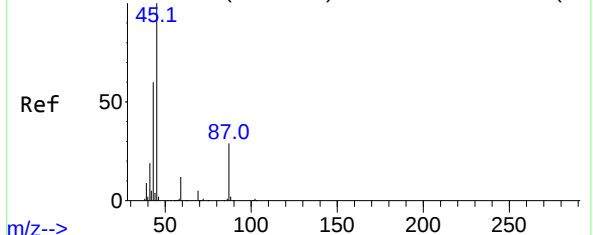


#21
trans-1,2-Dichloroethene
Concen: 19.052 ug/l
RT: 5.246 min Scan# 562
Delta R.T. 0.030 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 96 Resp: 42
Ion Ratio Lower Upper
96 100
61 0.0 110.6 165.8#
98 0.0 53.1 79.7#

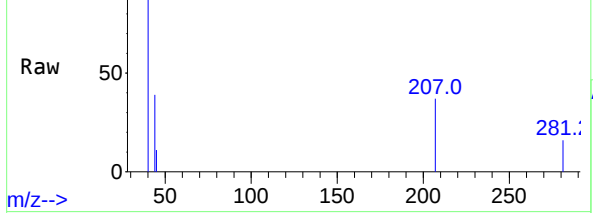


Abundance Scan 705 (6.118 min): VY013386.D\data.ms (-68



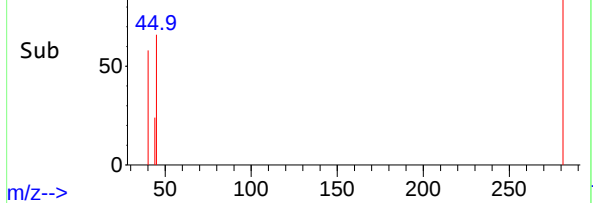
m/z-->

Abundance Scan 701 (6.094 min): VY013638.D\data.ms



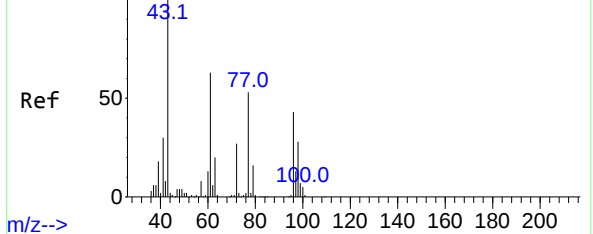
m/z-->

Abundance Scan 701 (6.094 min): VY013638.D\data.ms (-65



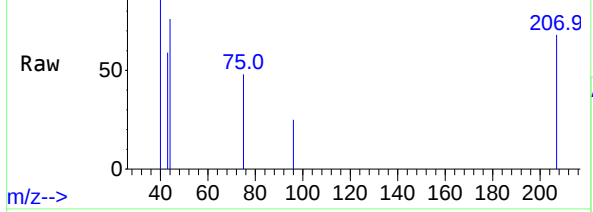
m/z-->

Abundance Scan 847 (6.984 min): VY013386.D\data.ms (-83



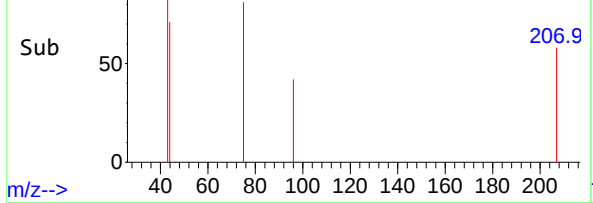
m/z-->

Abundance Scan 847 (6.984 min): VY013638.D\data.ms



m/z-->

Abundance Scan 847 (6.984 min): VY013638.D\data.ms (-79



m/z-->

#22

Diisopropyl ether

Concen: 3.145 ug/l

RT: 6.094 min Scan# 701

Delta R.T. -0.024 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tgt Ion: 45 Resp: 23

Ion Ratio Lower Upper

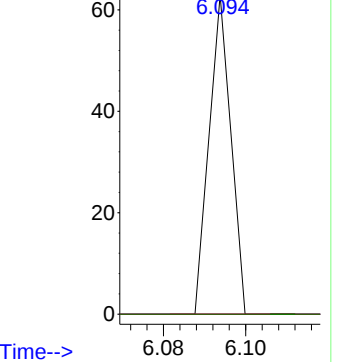
45 100

43 0.0 48.4 72.6#

87 0.0 23.8 35.6#

59 0.0 9.6 14.4#

Abundance



Time-->

#25

2-Butanone

Concen: 183.592 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

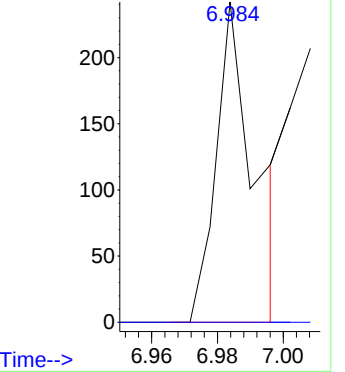
Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

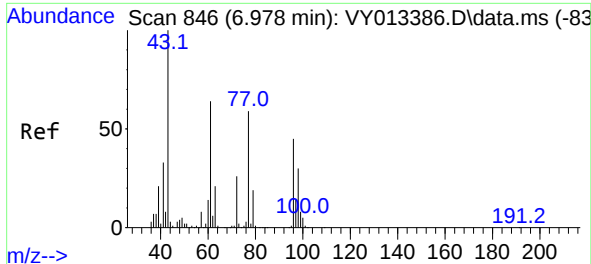
43 100

72 0.0 21.9 32.9#

Abundance



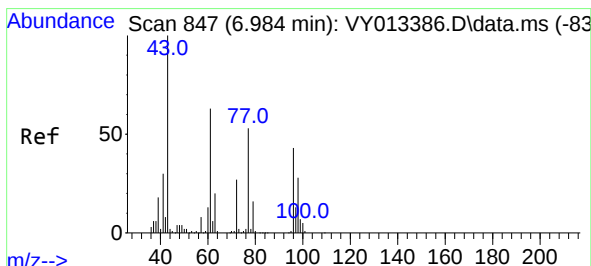
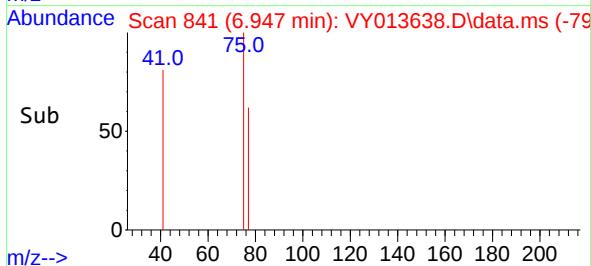
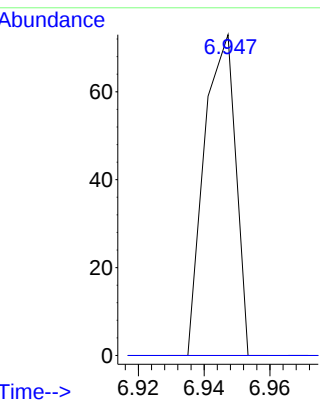
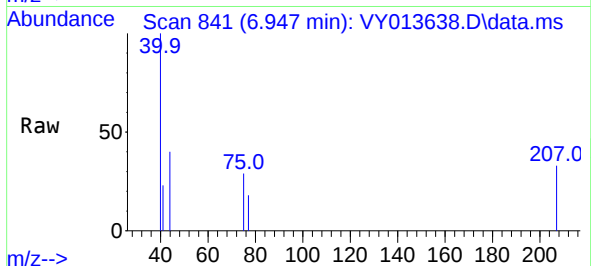
Time-->



#26
2,2-Dichloropropane
Concen: 13.669 ug/l
RT: 6.947 min Scan# 841
Delta R.T. -0.031 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

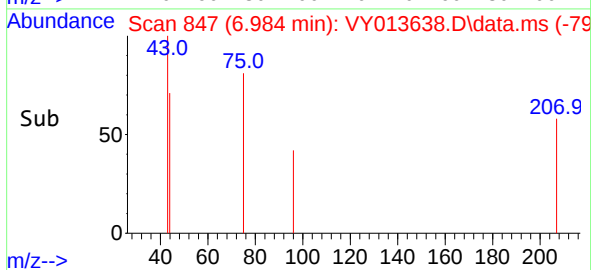
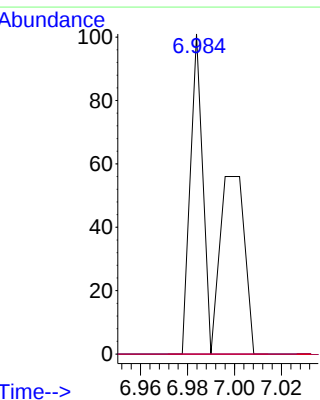
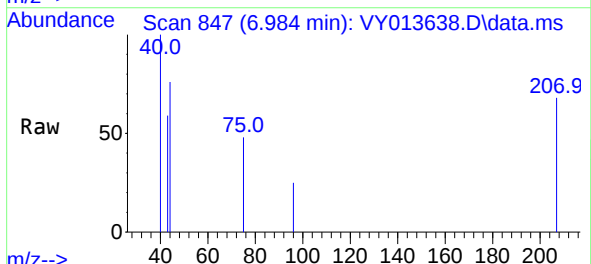
Instrument :
MSVOA_Y
ClientSampleId :
BFB

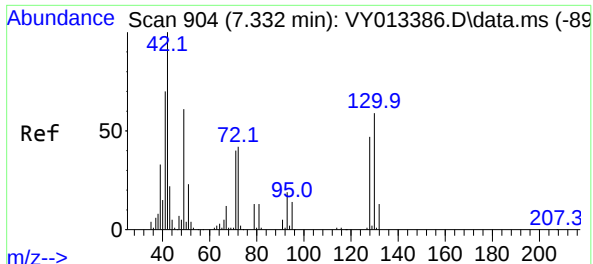
Tgt Ion: 77 Resp: 48
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#27
cis-1,2-Dichloroethene
Concen: 32.024 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 96 Resp: 78
Ion Ratio Lower Upper
96 100
61 0.0 0.0 285.0
98 0.0 0.0 130.6

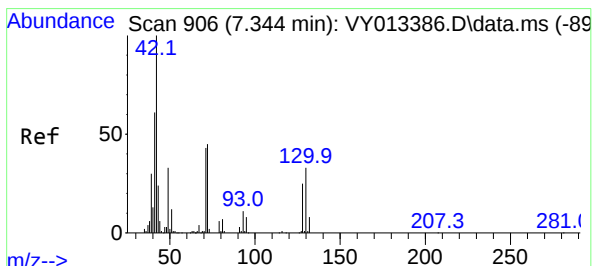
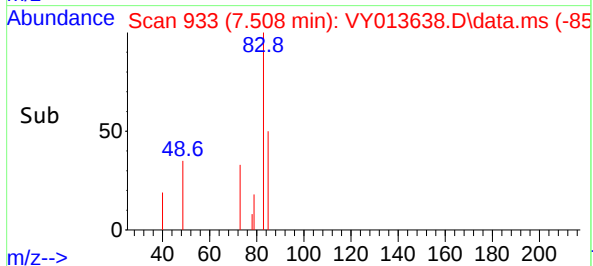
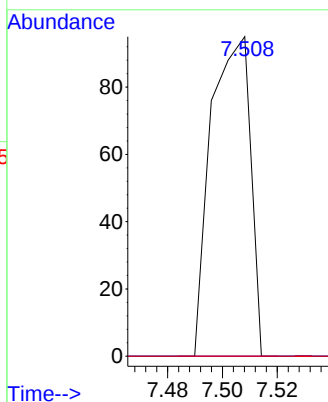
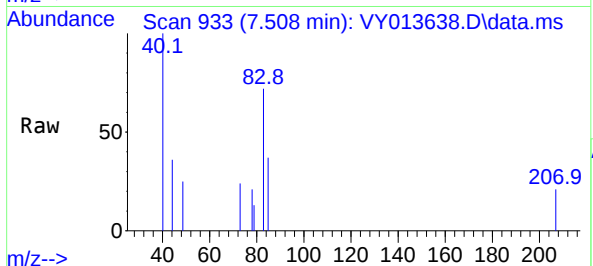




#28
Bromochloromethane
Concen: 65.690 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.176 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

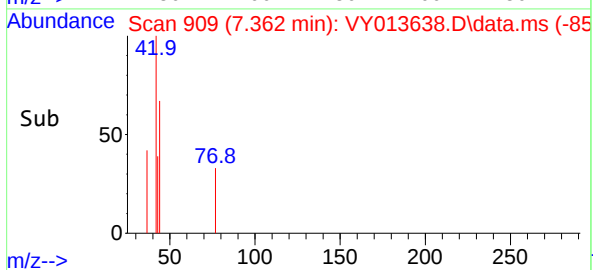
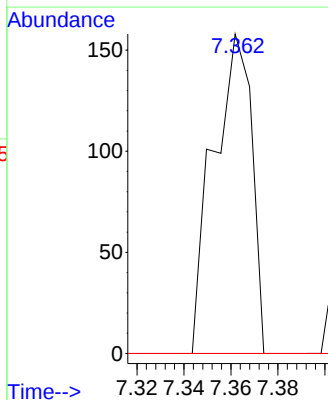
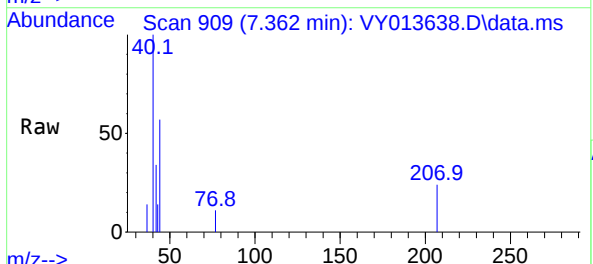
Instrument :
MSVOA_Y
ClientSampleId :
BFB

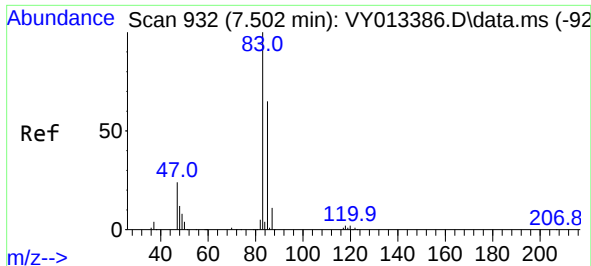
Tgt Ion: 49 Resp: 95
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 72.1 108.1#



#29
Tetrahydrofuran
Concen: 270.737 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 42 Resp: 179
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 34.3 51.5#

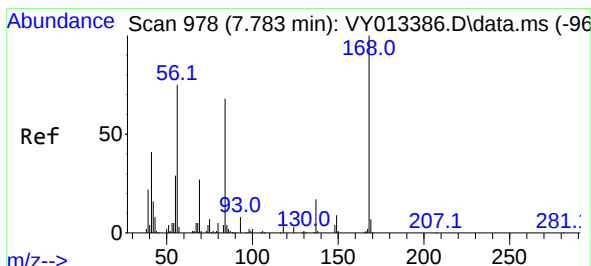
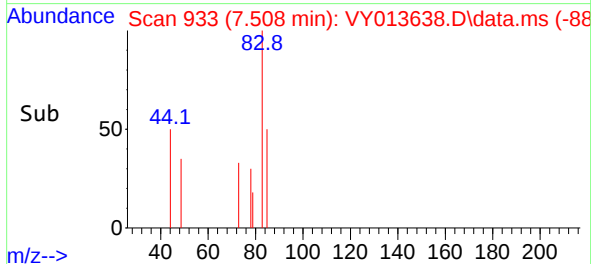
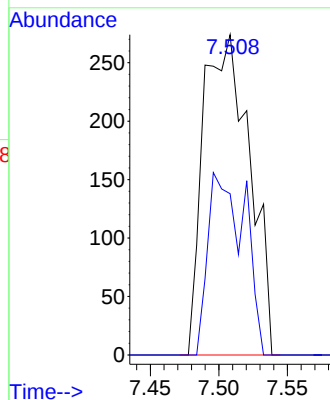
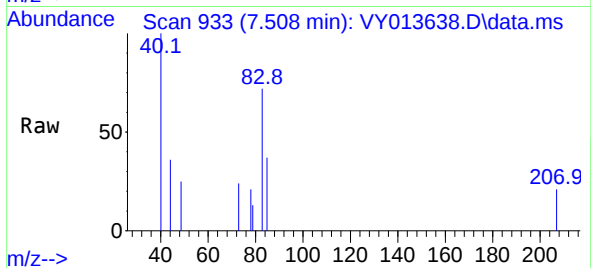




#30
Chloroform
Concen: 158.443 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

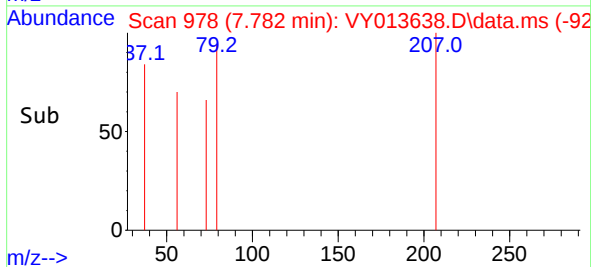
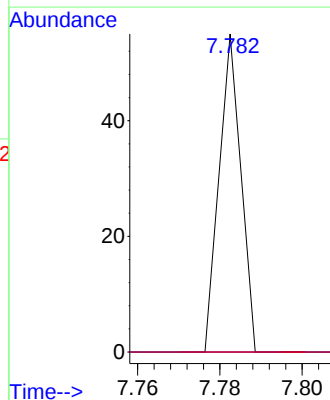
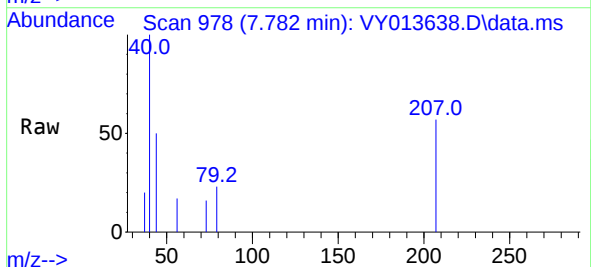
Instrument :
MSVOA_Y
ClientSampleId :
BFB

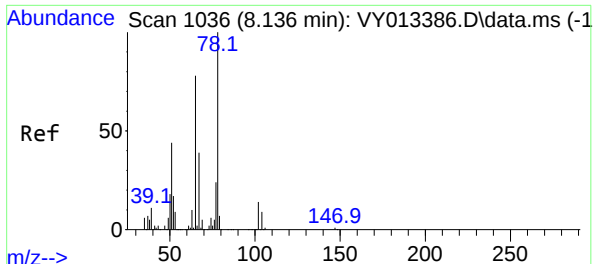
Tgt Ion: 83 Resp: 642
Ion Ratio Lower Upper
83 100
85 50.4 52.0 78.0#



#31
Cyclohexane
Concen: 5.253 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.001 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
69 0.0 29.2 43.8#
84 0.0 73.0 109.6#

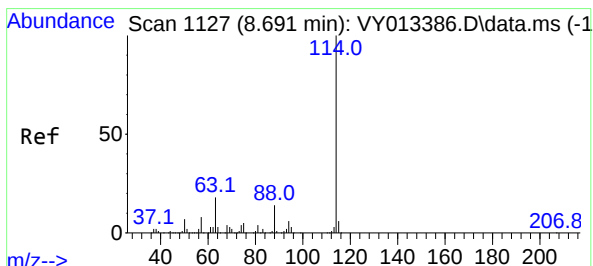
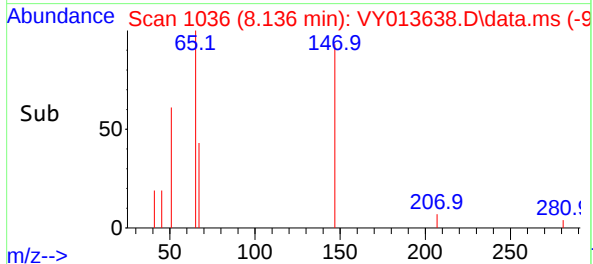
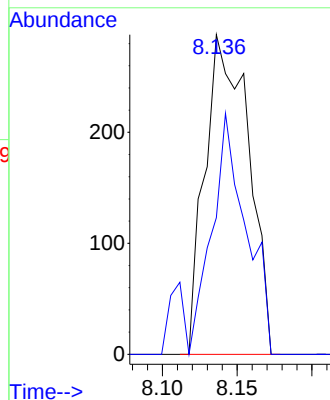
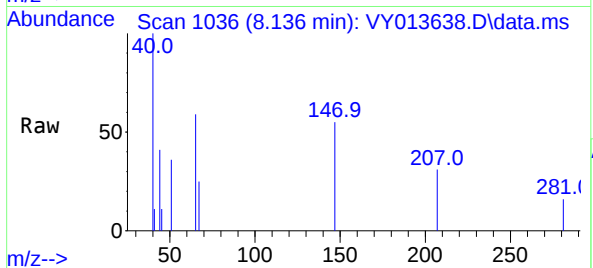




#33
1,2-Dichloroethane-d4
Concen: 273.667 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

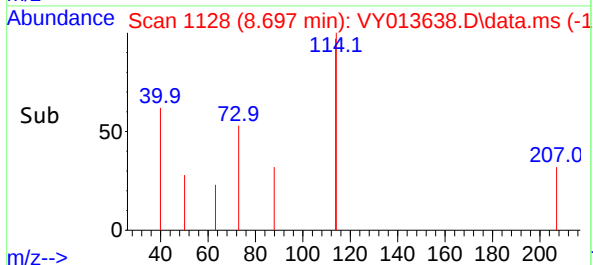
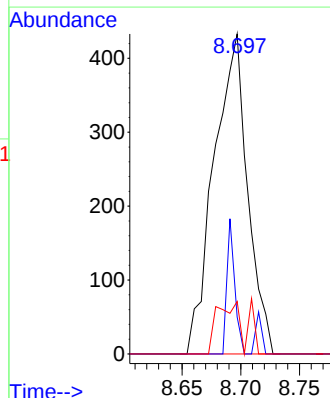
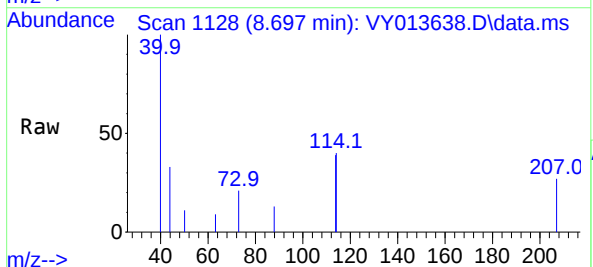
Instrument :
MSVOA_Y
ClientSampleId :
BFB

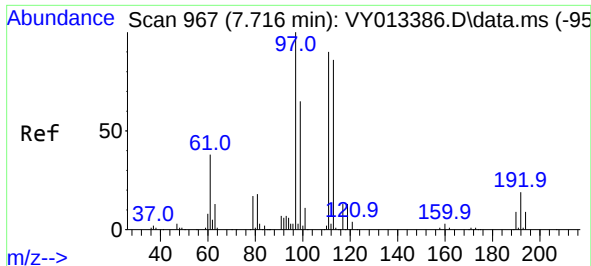
Tgt Ion: 65 Resp: 582
Ion Ratio Lower Upper
65 100
67 59.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 114 Resp: 861
Ion Ratio Lower Upper
114 100
63 11.5 0.0 36.6
88 16.4 0.0 28.8



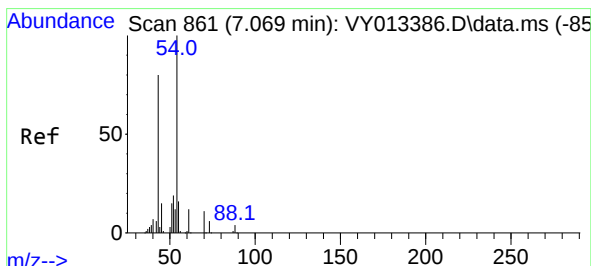
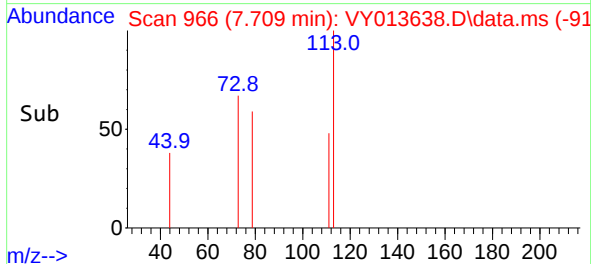
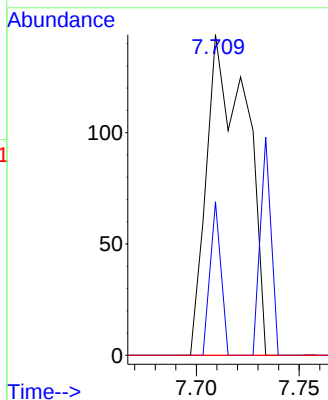
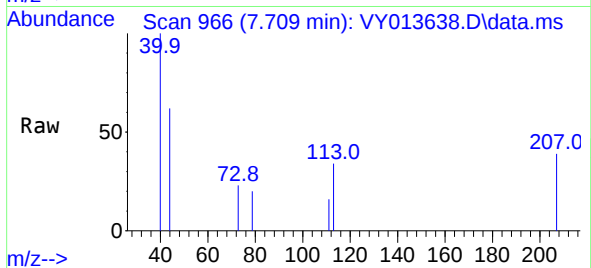


#35
Dibromofluoromethane
Concen: 35.824 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion: 113 Resp: 194

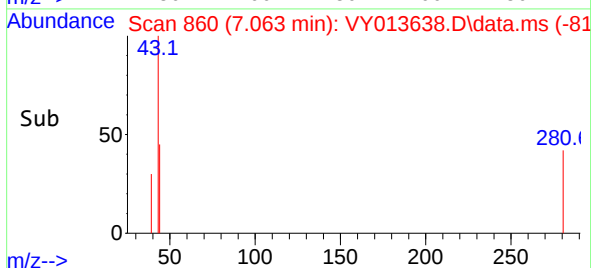
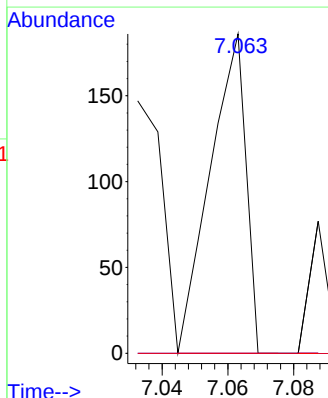
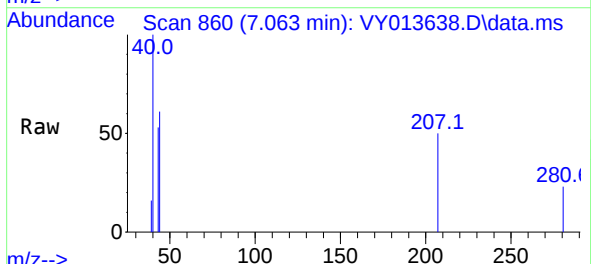
Ion	Ratio	Lower	Upper
113	100		
111	12.9	82.2	123.2#
192	0.0	16.7	25.1#

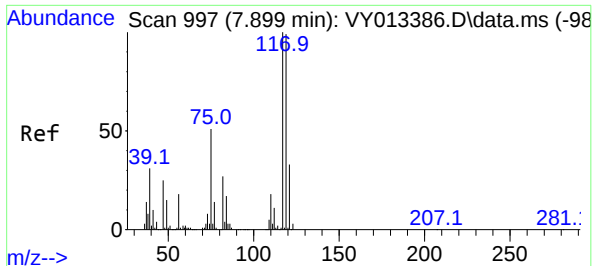


#37
Ethyl Acetate
Concen: 20.848 ug/l
RT: 7.063 min Scan# 860
Delta R.T. -0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 43 Resp: 141

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	7.9	11.9#

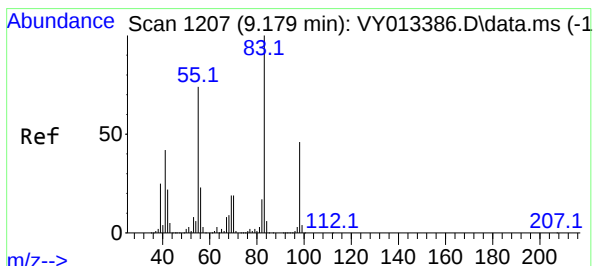
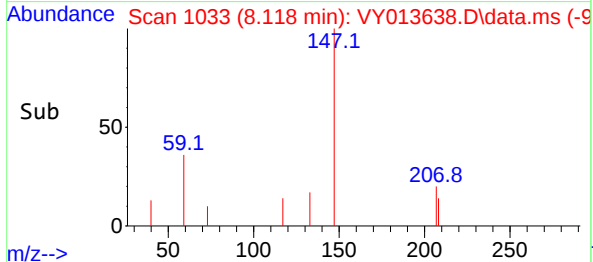
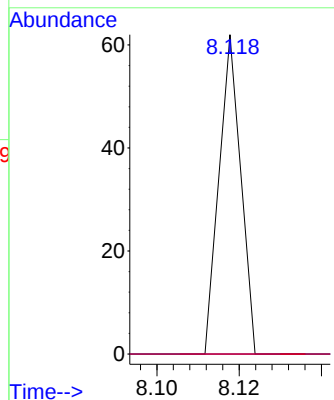
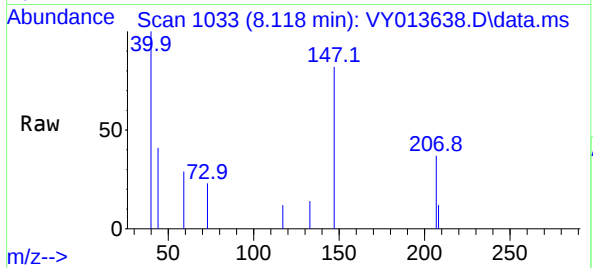




#38
Carbon Tetrachloride
Concen: 2.442 ug/l
RT: 8.118 min Scan# 1033
Delta R.T. 0.219 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

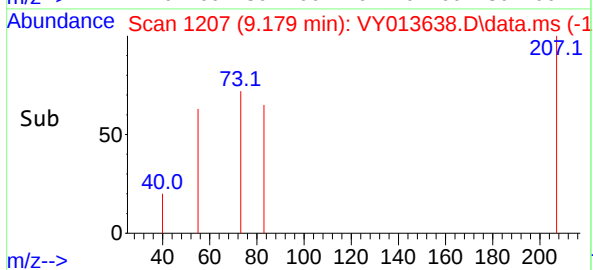
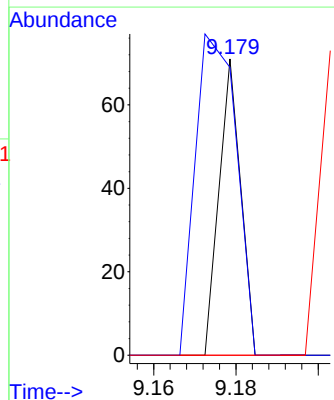
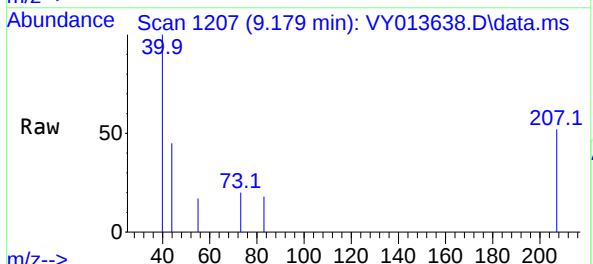
Instrument :
MSVOA_Y
ClientSampleId :
BFB

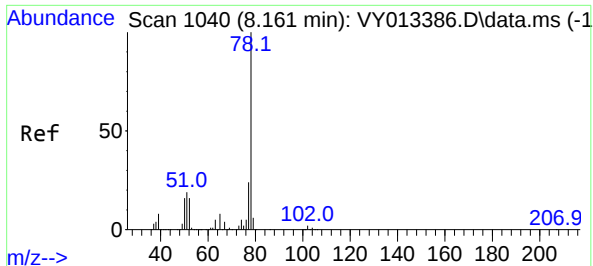
Tgt Ion: 117 Resp: 23
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#39
Methylcyclohexane
Concen: 2.454 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 83 Resp: 26
Ion Ratio Lower Upper
83 100
55 97.2 59.0 88.4#
98 0.0 37.0 55.4#

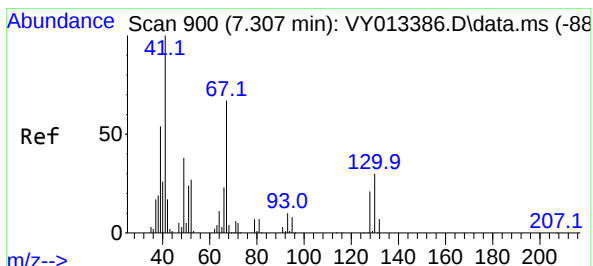
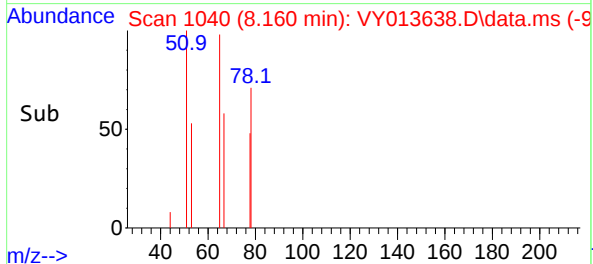
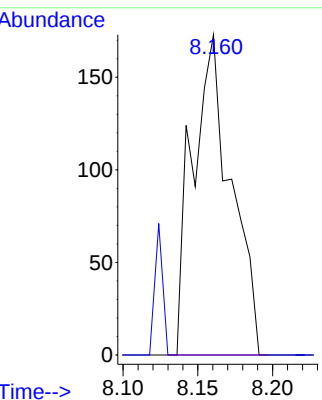
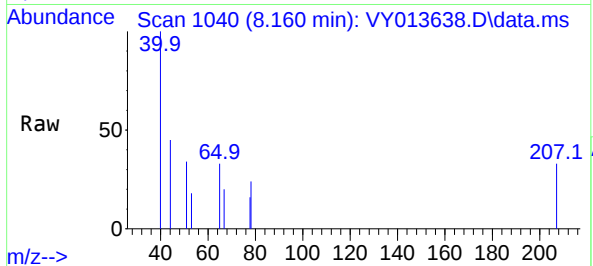




#40
Benzene
Concen: 12.245 ug/l
RT: 8.160 min Scan# 1040
Delta R.T. -0.001 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

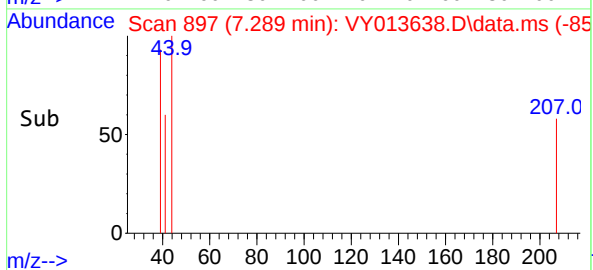
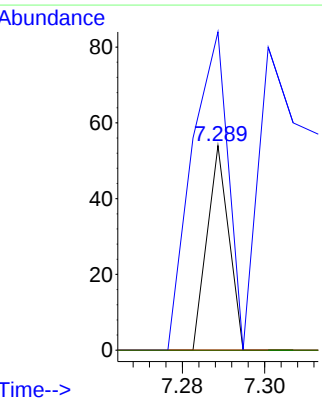
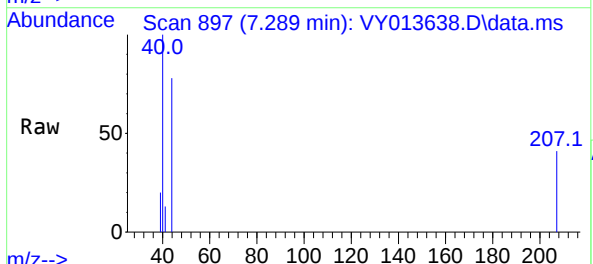
Instrument :
MSVOA_Y
ClientSampleId :
BFB

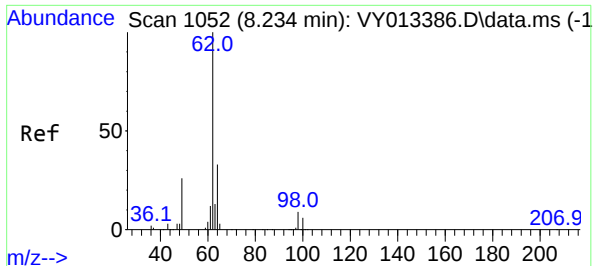
Tgt Ion: 78 Resp: 310
Ion Ratio Lower Upper
78 100
77 40.5 19.2 28.8#



#41
Methacrylonitrile
Concen: 6.346 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.018 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
39 255.0 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#

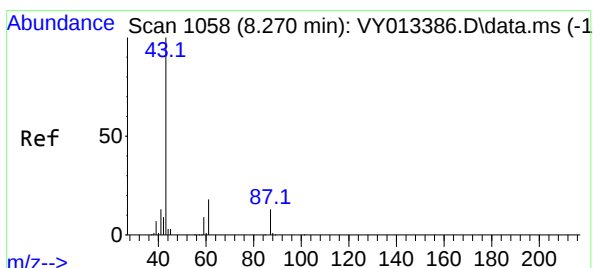
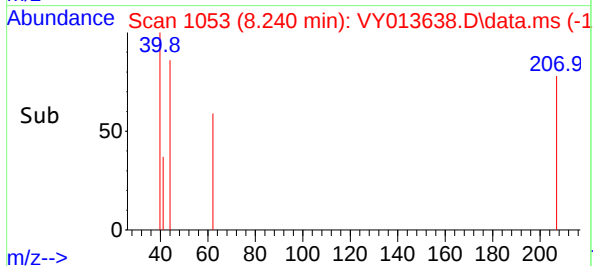
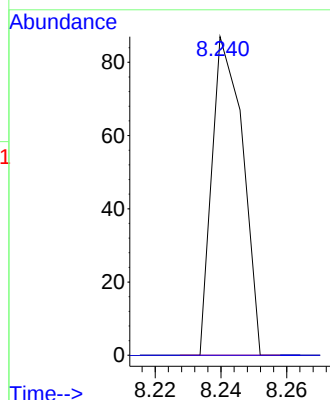
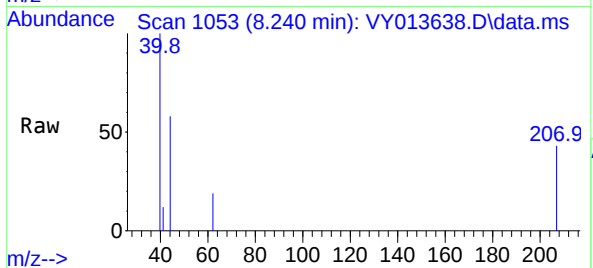




#42
1,2-Dichloroethane
Concen: 6.766 ug/l
RT: 8.240 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

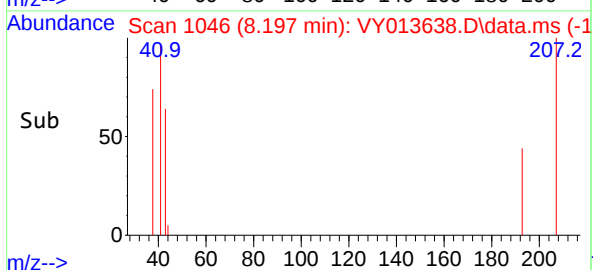
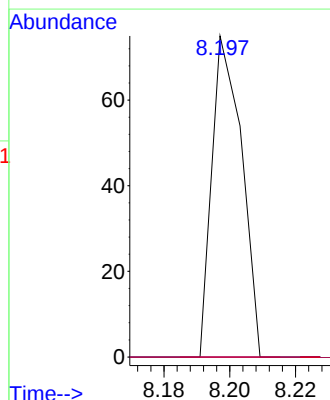
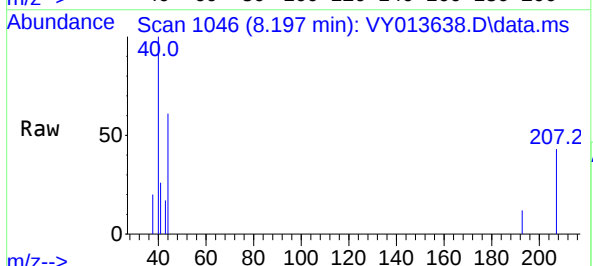
Instrument :
MSVOA_Y
ClientSampleId :
BFB

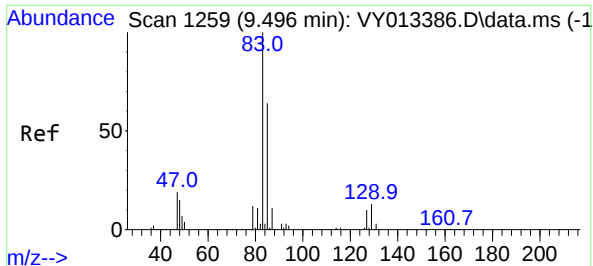
Tgt Ion: 62 Resp: 56
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8



#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.197 min Scan# 1046
Delta R.T. -0.073 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.0 16.6#

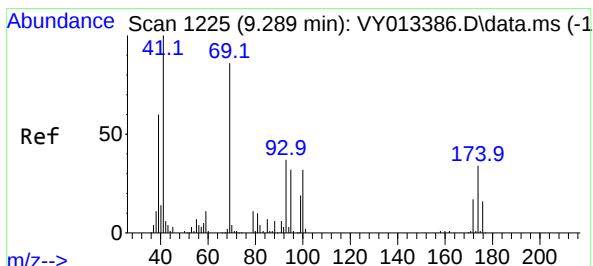
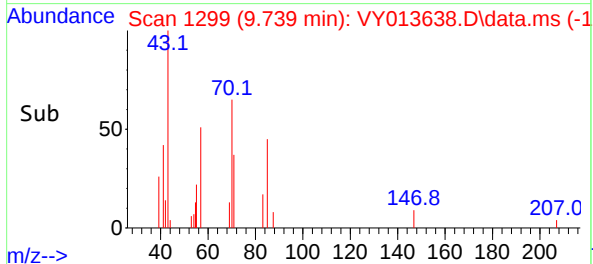
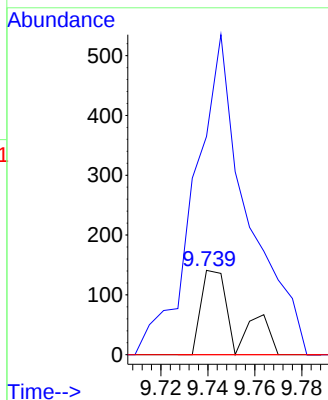
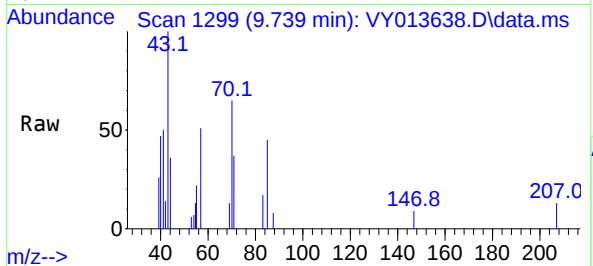




#47
Bromodichloromethane
Concen: 16.474 ug/l
RT: 9.739 min Scan# 11
Delta R.T. 0.243 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

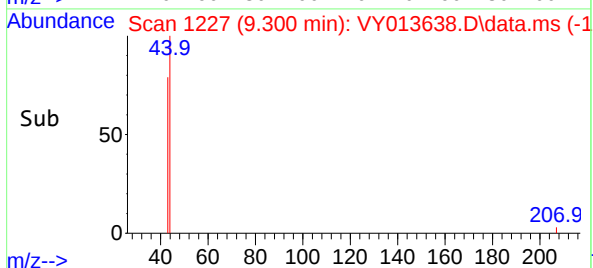
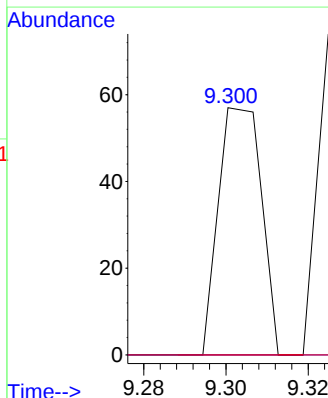
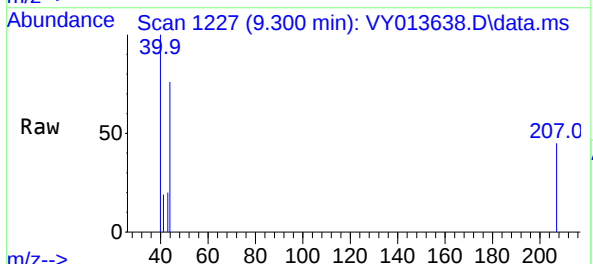
Instrument :
MSVOA_Y
ClientSampleId :
BFB

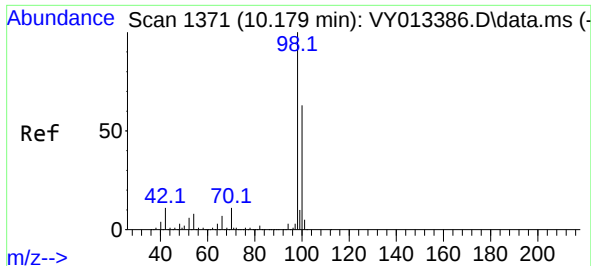
Tgt Ion: 83 Resp: 146
Ion Ratio Lower Upper
83 100
85 204.3 51.4 77.2#
127 0.0 8.1 12.1#



#48
Methyl methacrylate
Concen: 7.820 ug/l
RT: 9.300 min Scan# 1227
Delta R.T. 0.011 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 41 Resp: 41
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 0.0 47.9 71.9#

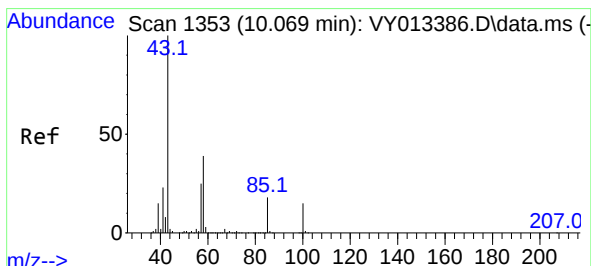
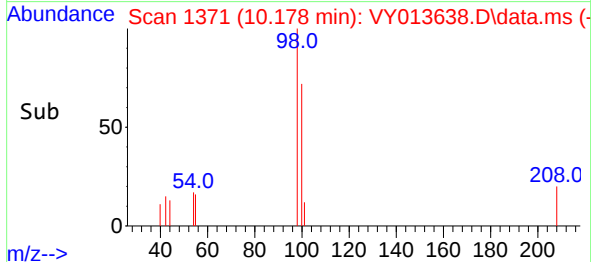
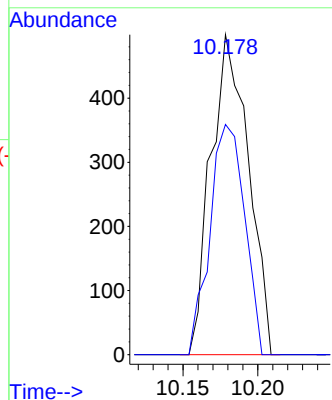
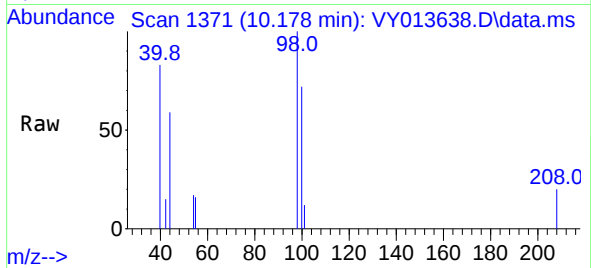




#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

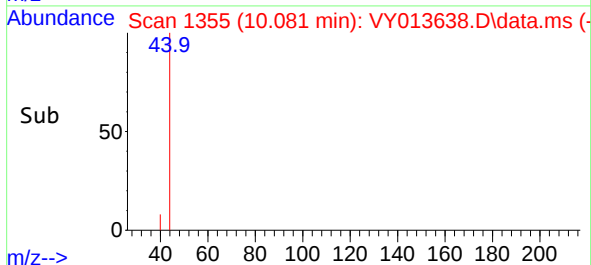
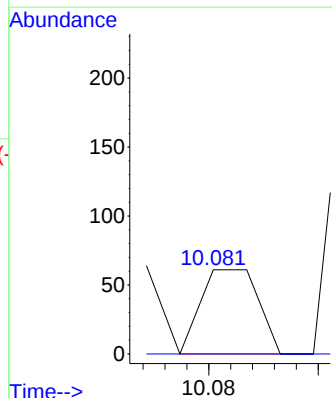
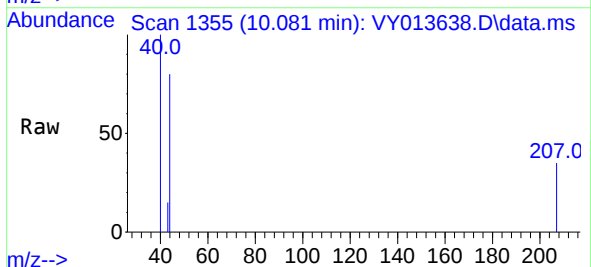
Instrument :
MSVOA_Y
ClientSampleId :
BFB

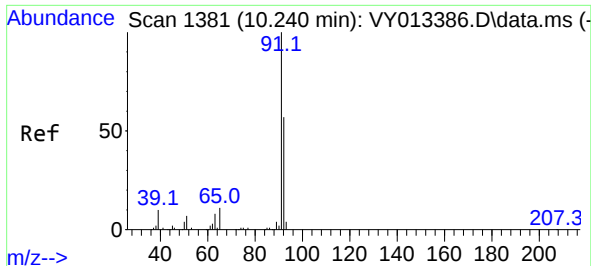
Tgt Ion: 98 Resp: 873
Ion Ratio Lower Upper
98 100
100 66.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 7.074 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#

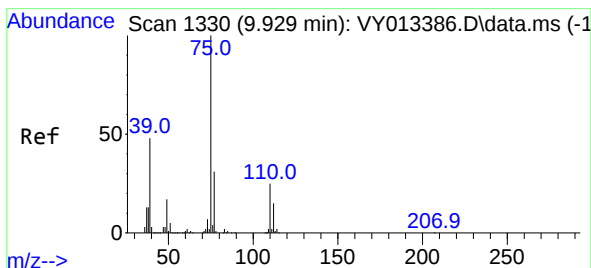
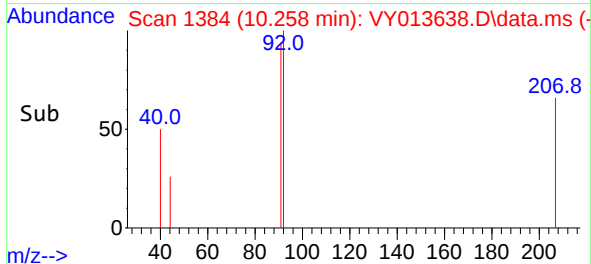
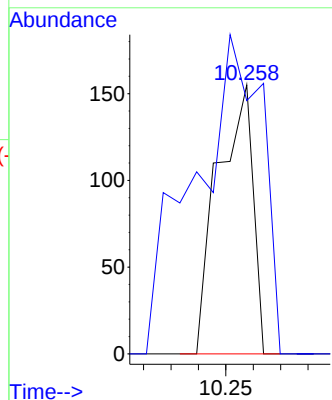
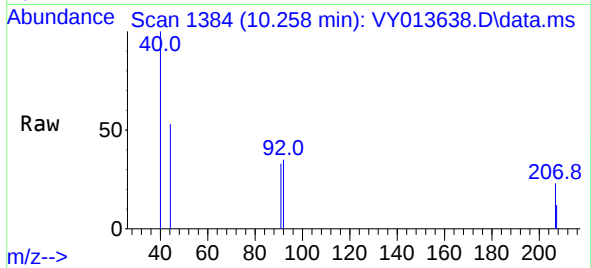




#52
Toluene
Concen: 8.993 ug/l
RT: 10.258 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

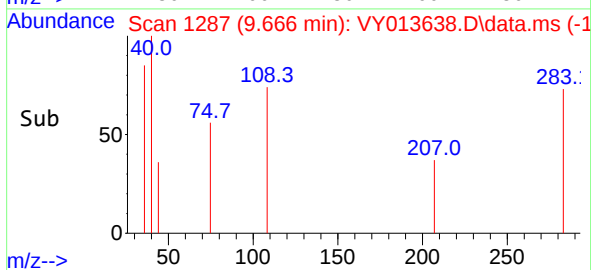
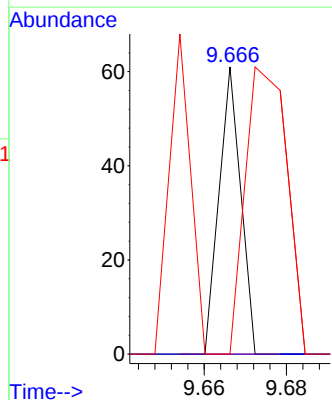
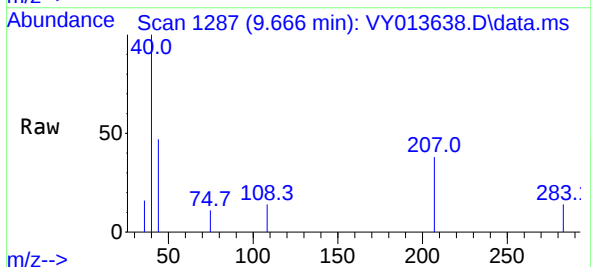
Instrument :
MSVOA_Y
ClientSampleId :
BFB

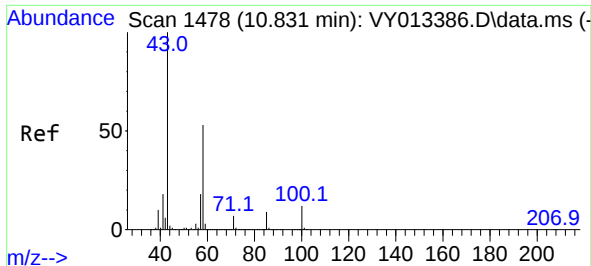
Tgt Ion: 92 Resp: 137
Ion Ratio Lower Upper
92 100
91 230.7 140.2 210.4#



#54
cis-1,3-Dichloropropene
Concen: 2.085 ug/l
RT: 9.666 min Scan# 1287
Delta R.T. -0.263 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 0.0 38.1 57.1#





#59

2-Hexanone

Concen: 5.623 ug/l

RT: 10.873 min Scan# 1478

Delta R.T. 0.042 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

Instrument :

MSVOA_Y

ClientSampleId :

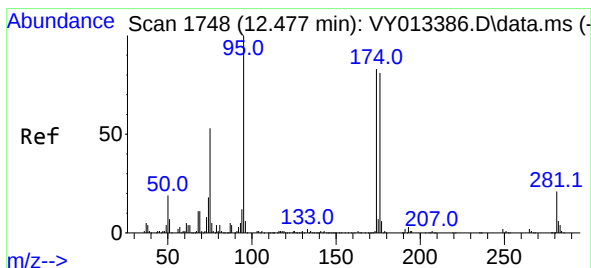
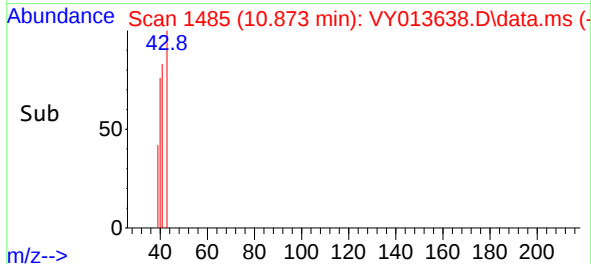
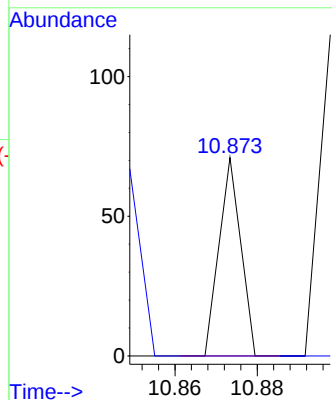
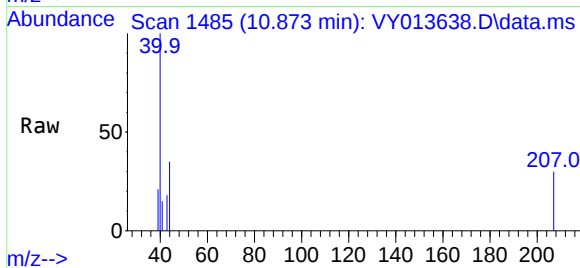
BFB

Tgt Ion: 43 Resp: 26

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 29954.967 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013638.D

Acq: 08 May 2023 09:16

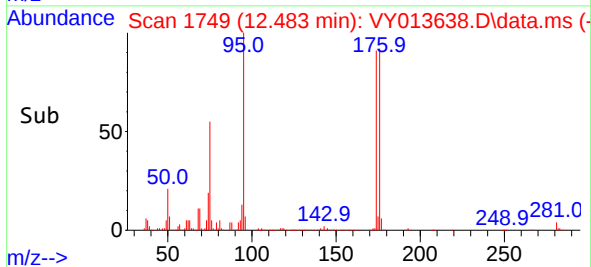
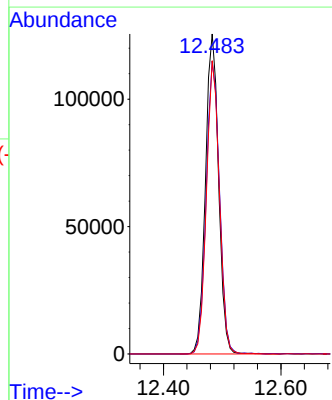
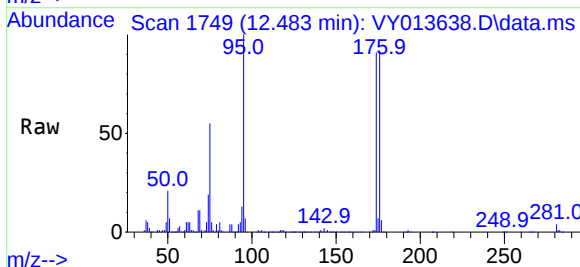
Tgt Ion: 95 Resp: 194543

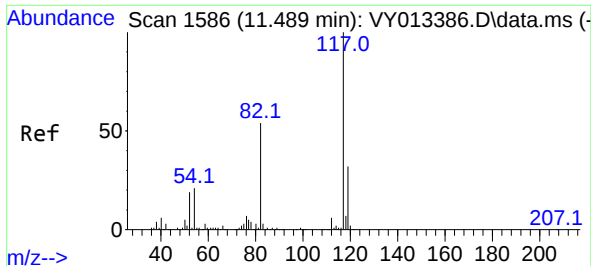
Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.0

176 90.8 0.0 175.4

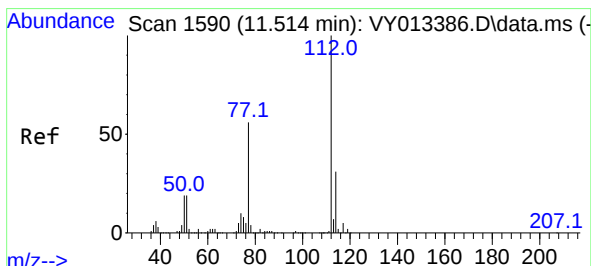
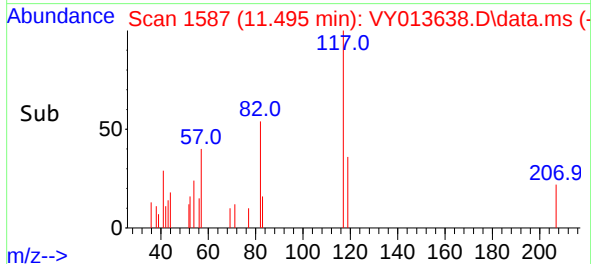
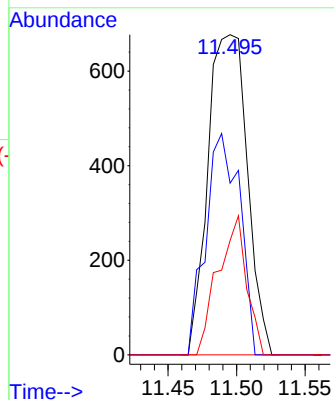
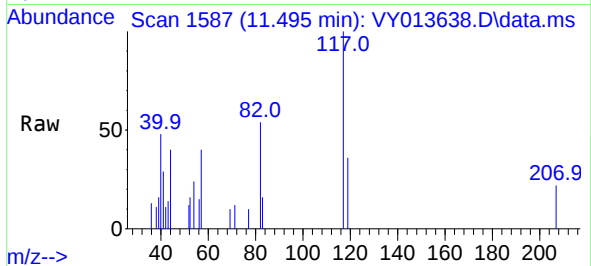




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

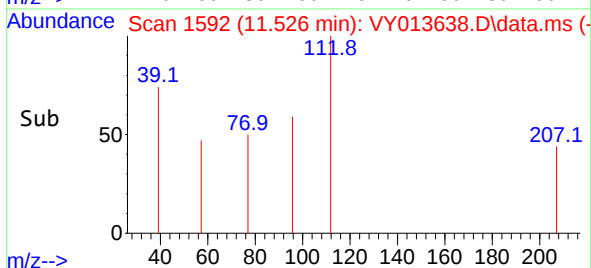
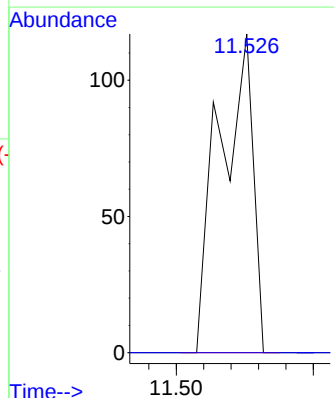
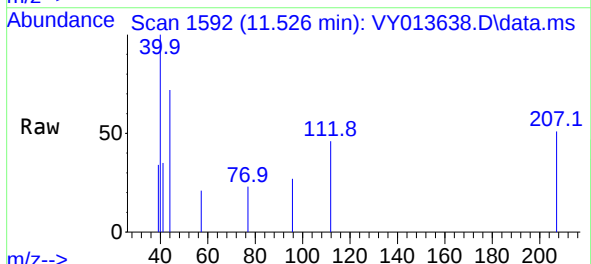
Instrument :
MSVOA_Y
ClientSampleId :
BFB

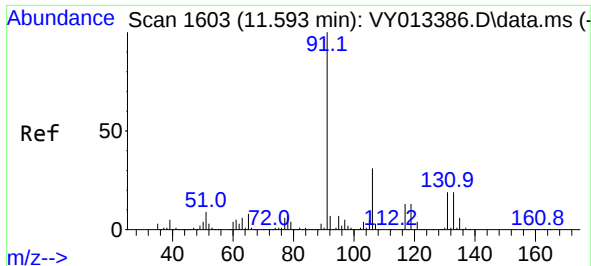
Tgt Ion:	117	Resp:	1356
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.0	64.6
119	35.7	25.5	38.3



#65
Chlorobenzene
Concen: 3.352 ug/l
RT: 11.526 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:	112	Resp:	99
Ion	Ratio	Lower	Upper
112	100		
114	0.0	24.9	37.3#

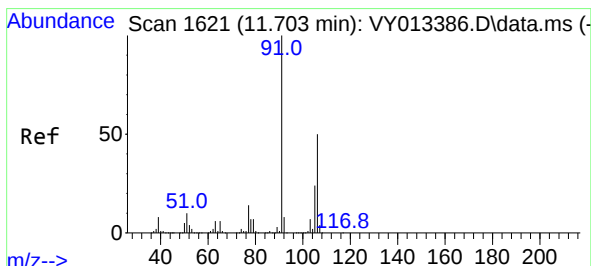
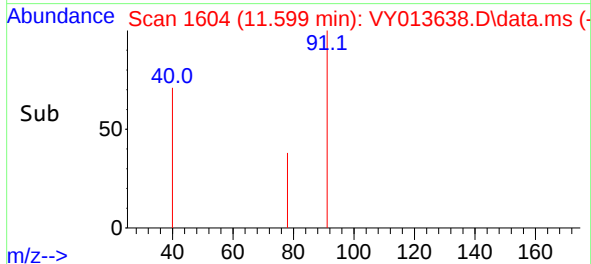
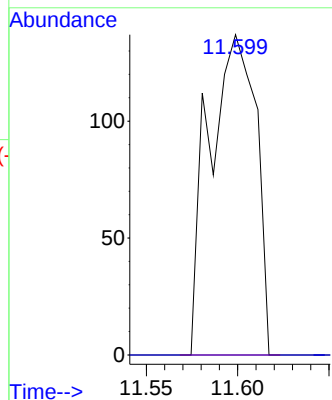
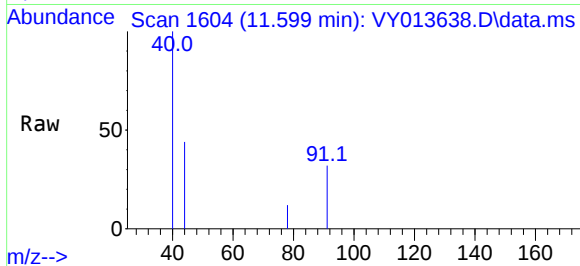




#67
Ethyl Benzene
Concen: 4.723 ug/l
RT: 11.599 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

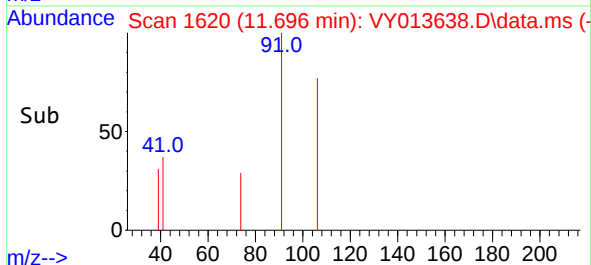
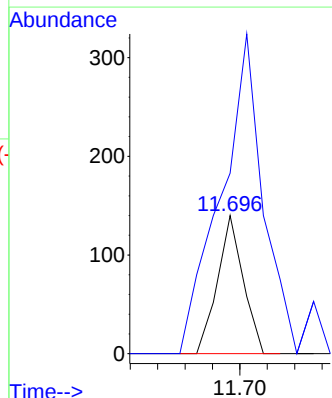
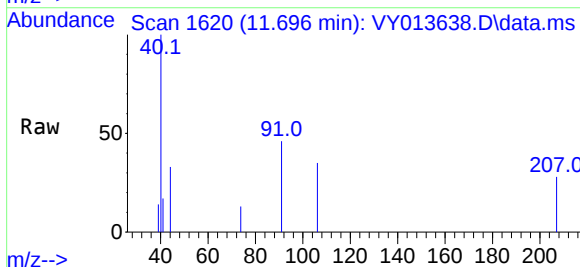
Instrument :
MSVOA_Y
ClientSampleId :
BFB

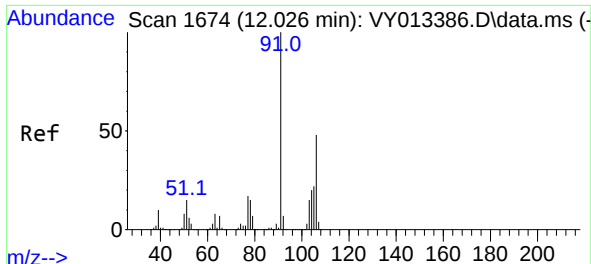
Tgt Ion: 91 Resp: 245
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#



#68
m/p-Xylenes
Concen: 4.615 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 106 Resp: 91
Ion Ratio Lower Upper
106 100
91 400.0 160.9 241.3#

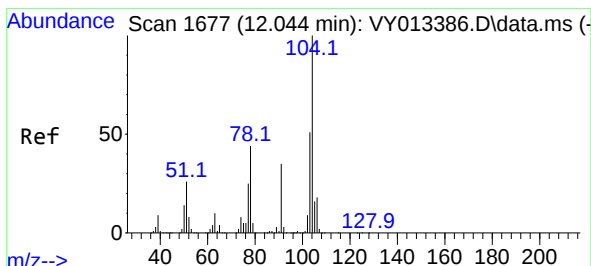
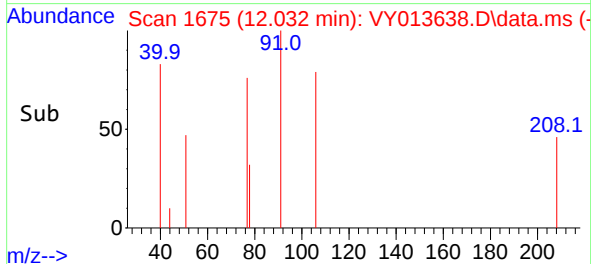
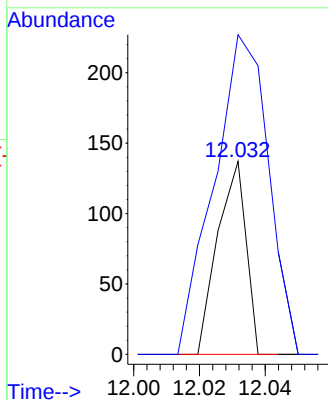
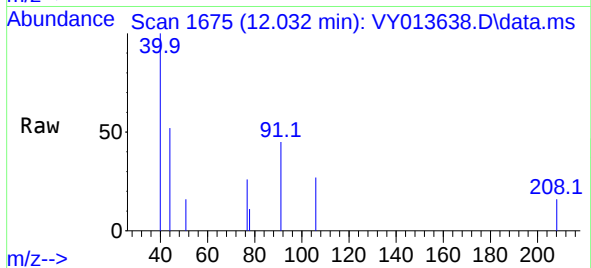




#69
o-Xylene
Concen: 4.397 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

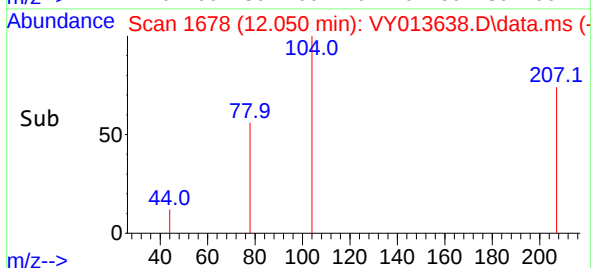
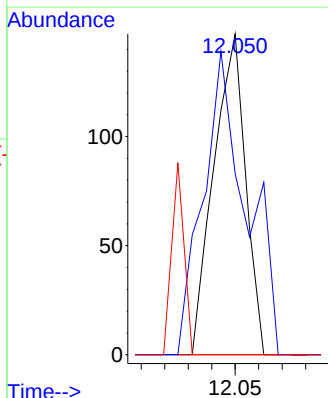
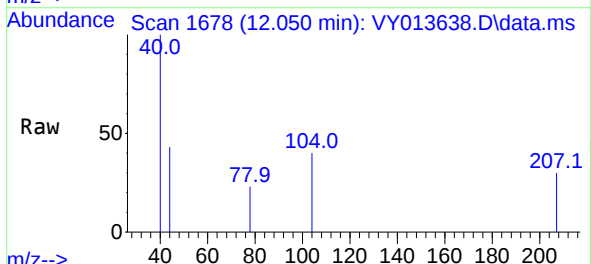
Instrument :
MSVOA_Y
ClientSampleId :
BFB

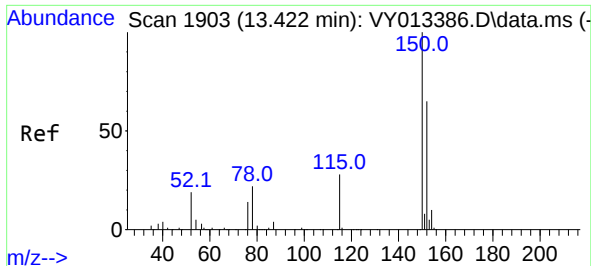
Tgt Ion:106 Resp: 82
Ion Ratio Lower Upper
106 100
91 318.3 105.5 316.4#



#70
Styrene
Concen: 4.426 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:104 Resp: 138
Ion Ratio Lower Upper
104 100
78 128.3 40.3 60.5#
103 0.0 45.0 67.4#

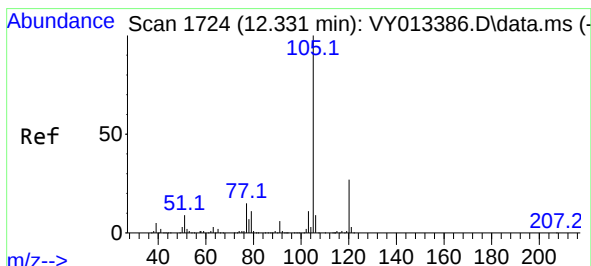
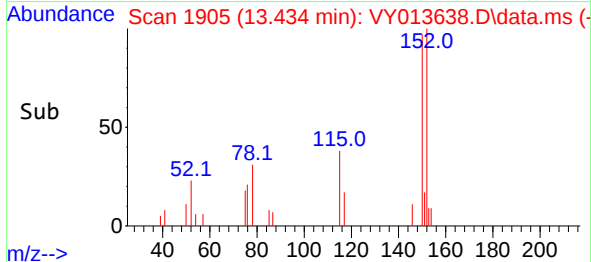
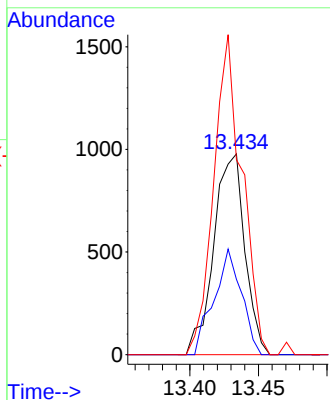
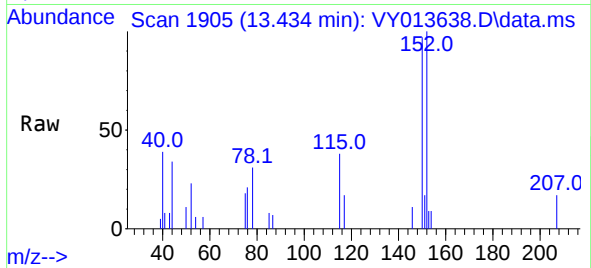




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1903
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

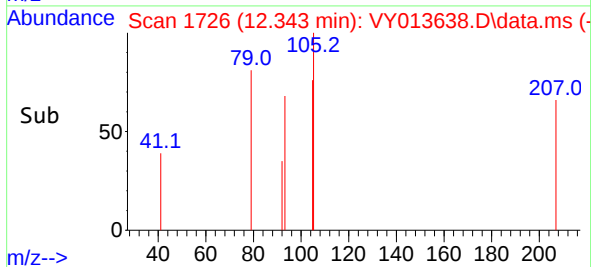
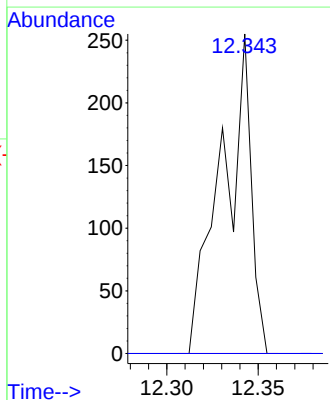
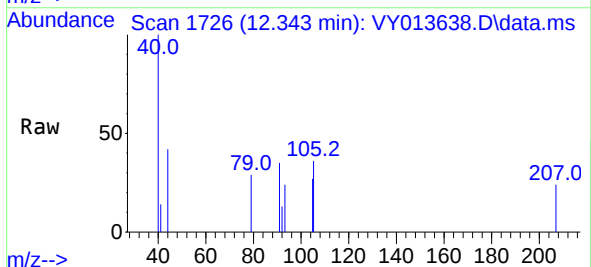
Instrument :
MSVOA_Y
ClientSampleId :
BFB

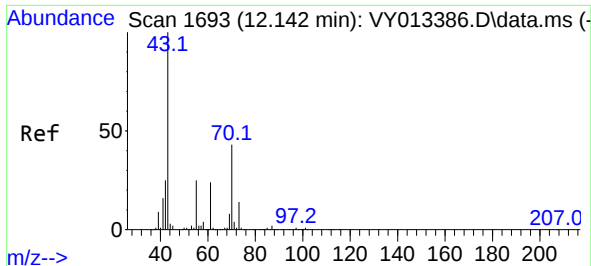
Tgt Ion:152 Resp: 1539
Ion Ratio Lower Upper
152 100
115 46.7 28.1 84.2
150 145.5 0.0 352.0



#73
Isopropylbenzene
Concen: 2.440 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

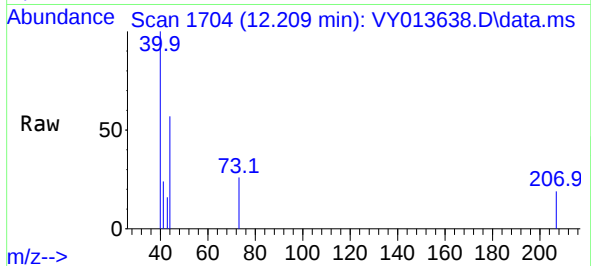
Tgt Ion:105 Resp: 284
Ion Ratio Lower Upper
105 100
120 0.0 13.7 41.0#





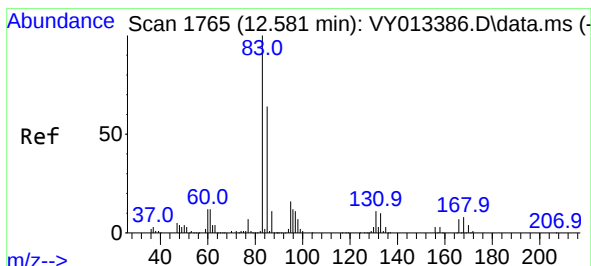
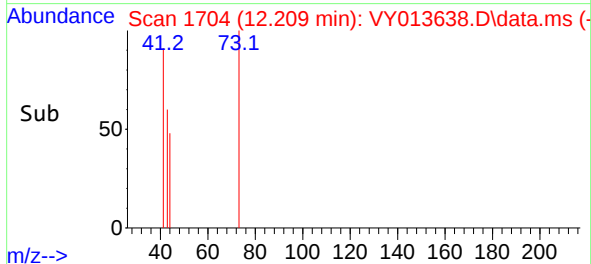
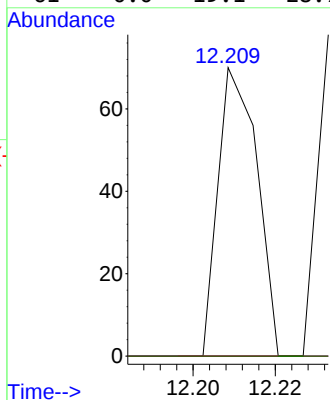
#74
N-amy1 acetate
Concen: 1.110 ug/l
RT: 12.209 min Scan# 1704
Delta R.T. 0.067 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Instrument :
MSVOA_Y
ClientSampleId :
BFB



Tgt Ion: 43 Resp: 46

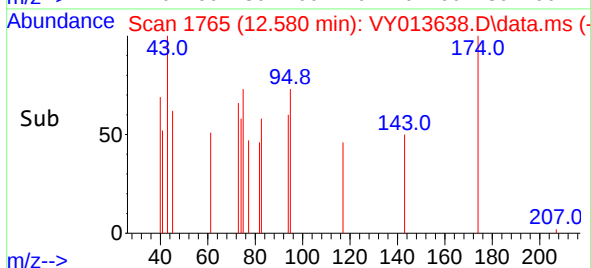
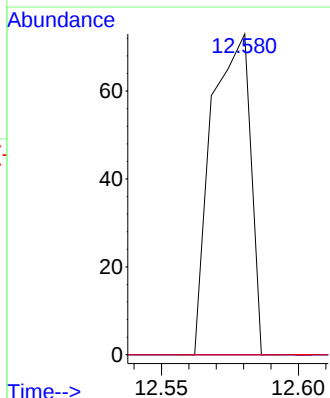
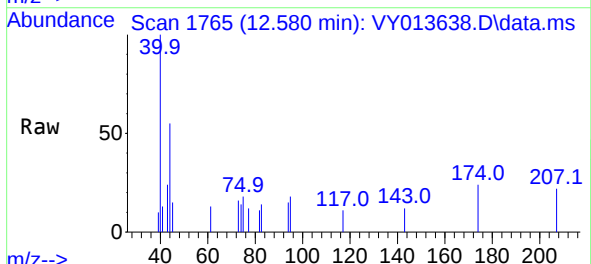
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.0	49.4#
55	0.0	19.8	29.6#
61	0.0	19.1	28.7#

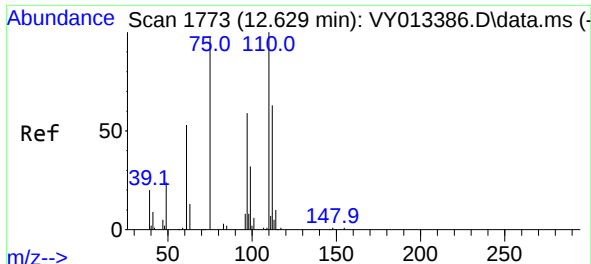


#75
1,1,2,2-Tetrachloroethane
Concen: 2.531 ug/l
RT: 12.580 min Scan# 1765
Delta R.T. -0.001 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 83 Resp: 72

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.7	17.0#
85	0.0	31.8	95.4#

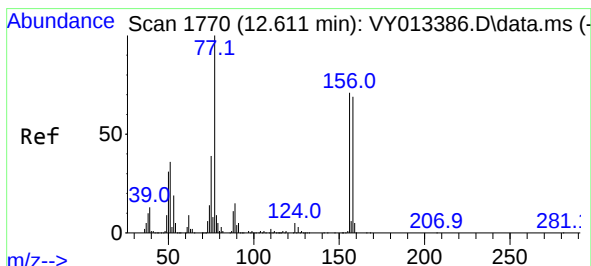
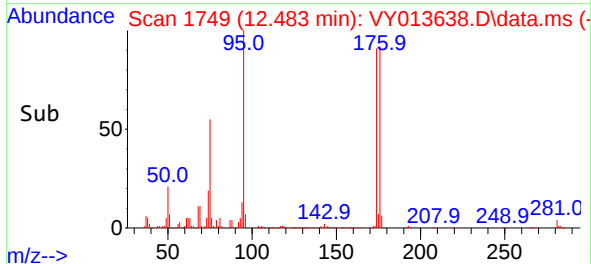
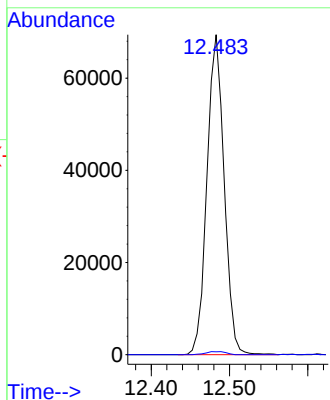
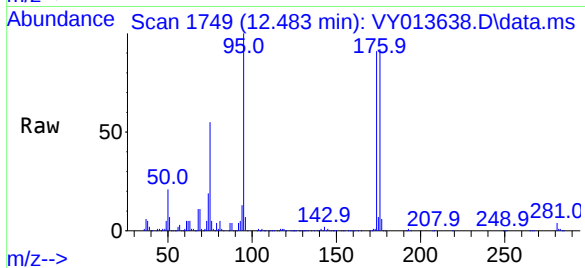




#76
1,2,3-Trichloropropane
Concen: 5089.117 ug/l
RT: 12.483 min Scan# 1768
Delta R.T. -0.146 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

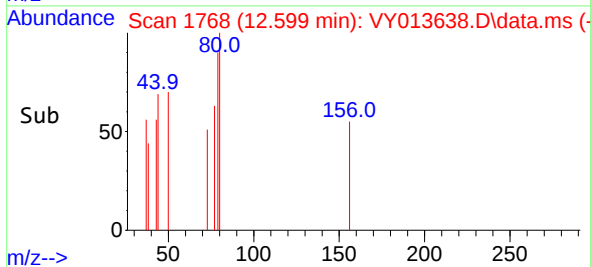
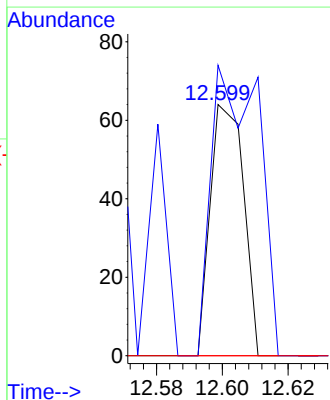
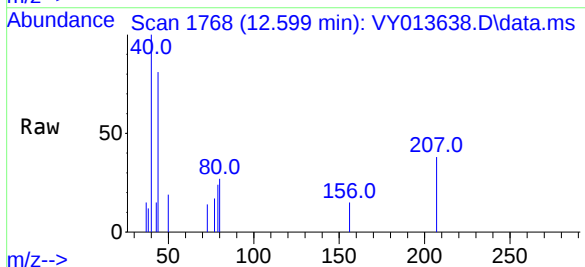
Instrument :
MSVOA_Y
ClientSampleId :
BFB

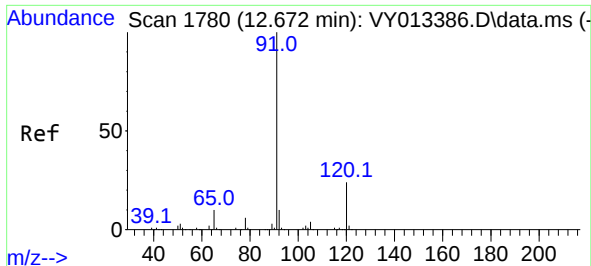
Tgt Ion: 75 Resp: 105626
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#77
Bromobenzene
Concen: 1.595 ug/l
RT: 12.599 min Scan# 1768
Delta R.T. -0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:156 Resp: 45
Ion Ratio Lower Upper
156 100
77 164.4 87.6 262.9
158 0.0 48.5 145.5#

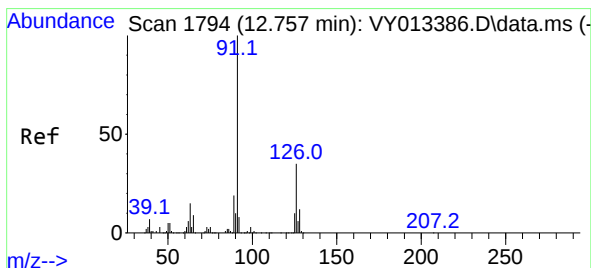
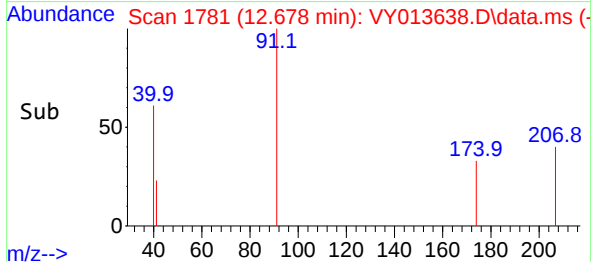
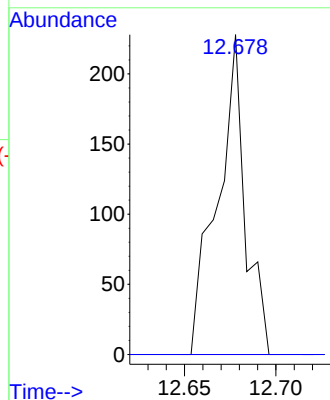
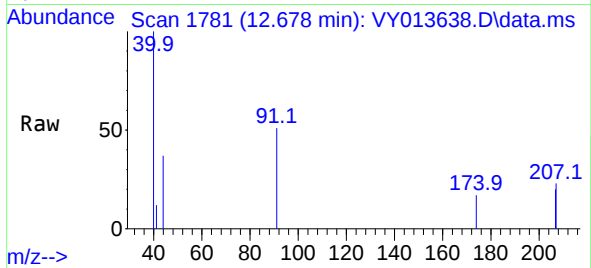




#78
n-propylbenzene
Concen: 1.681 ug/l
RT: 12.678 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

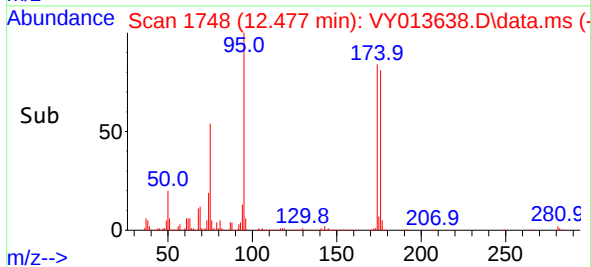
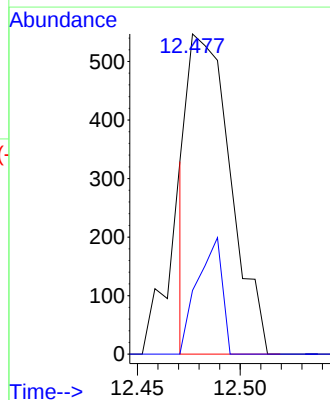
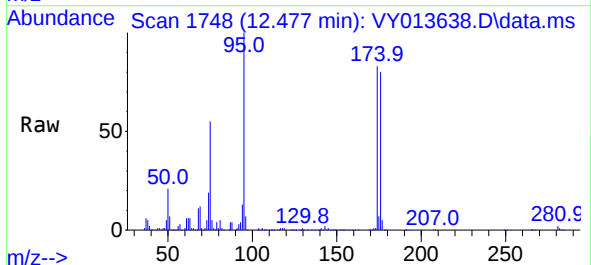
Instrument :
MSVOA_Y
ClientSampleId :
BFB

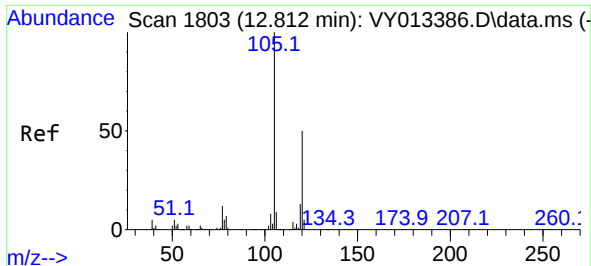
Tgt Ion: 91 Resp: 241
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#



#79
2-Chlorotoluene
Concen: 9.804 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.280 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 91 Resp: 785
Ion Ratio Lower Upper
91 100
126 21.4 17.8 53.4

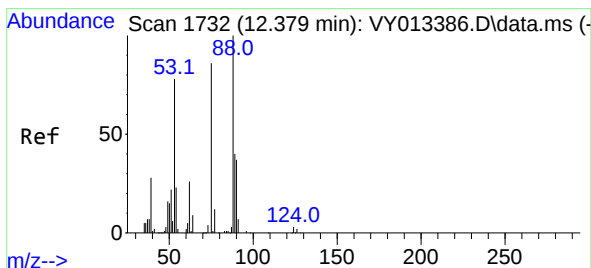
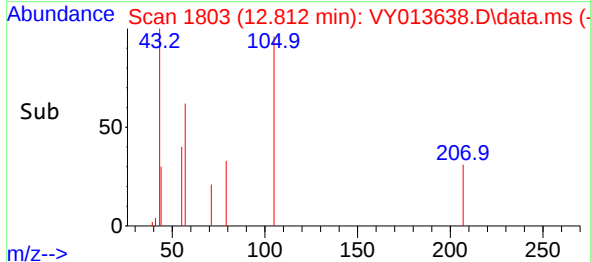
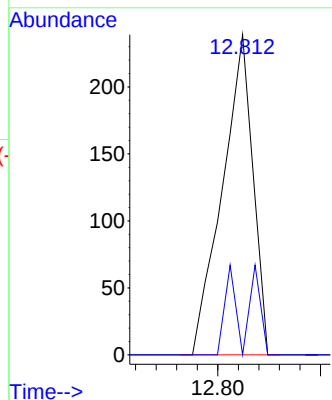
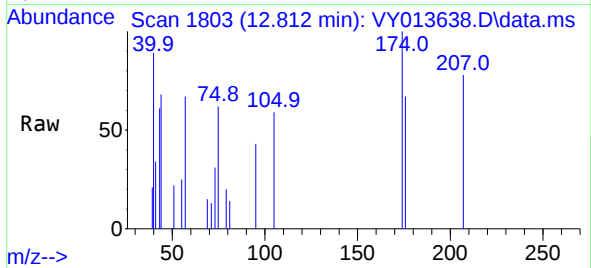




#80
1,3,5-Trimethylbenzene
Concen: 2.600 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

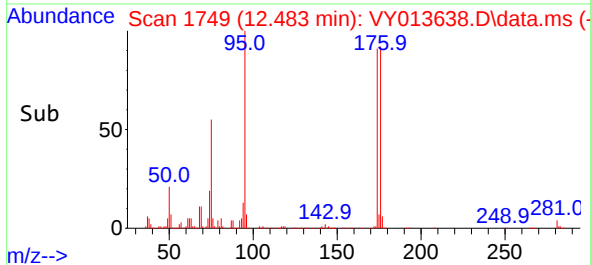
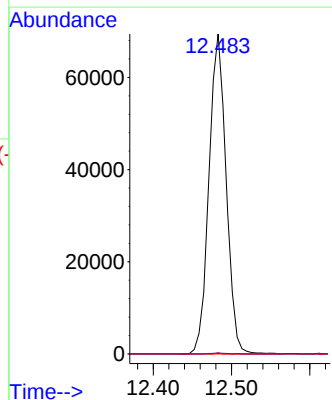
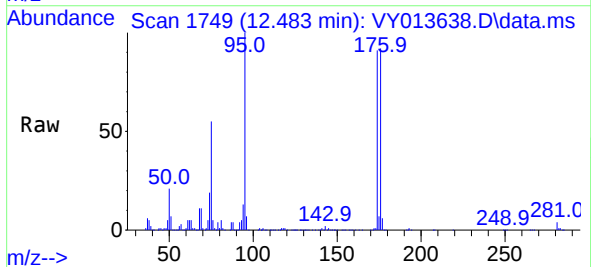
Instrument :
MSVOA_Y
ClientSampleId :
BFB

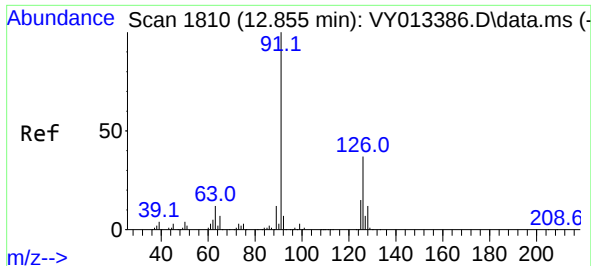
Tgt Ion:105 Resp: 247
Ion Ratio Lower Upper
105 100
120 19.8 24.7 74.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 10410.067 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 75 Resp: 105626
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#

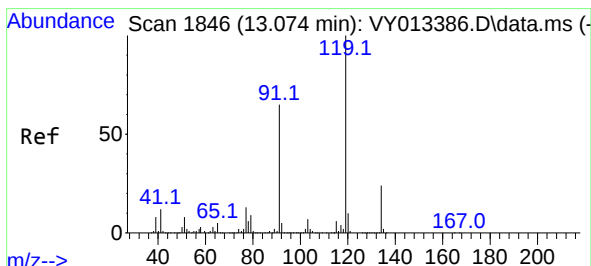
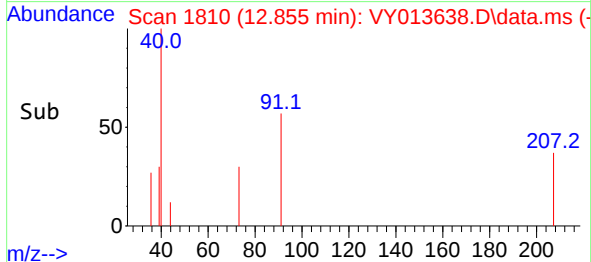
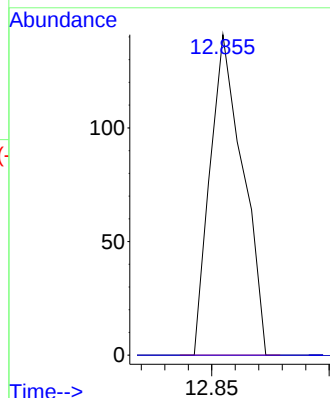
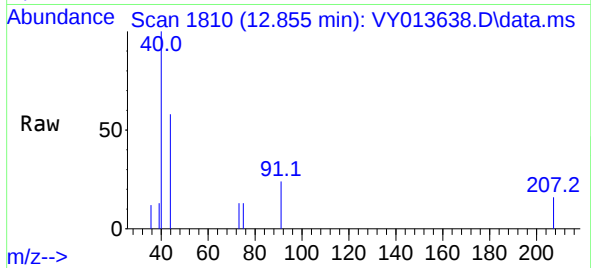




#82
4-Chlorotoluene
Concen: 1.642 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

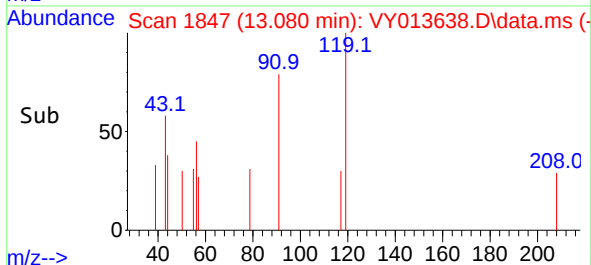
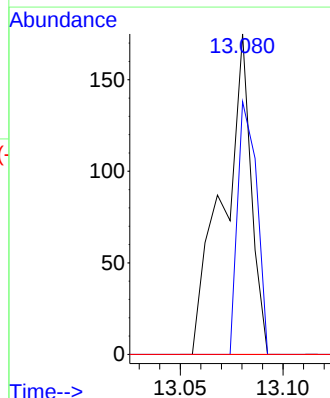
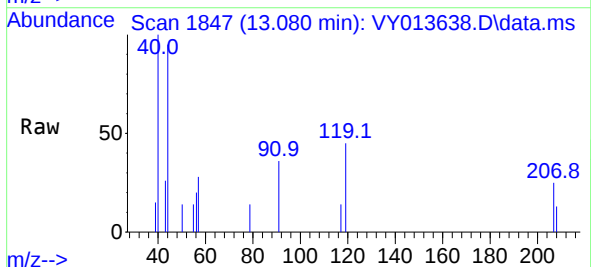
Instrument :
MSVOA_Y
ClientSampleId :
BFB

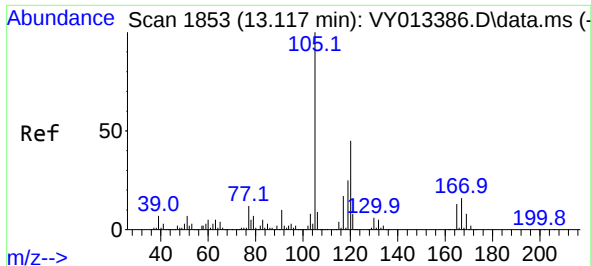
Tgt Ion: 91 Resp: 137
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.8#



#83
tert-Butylbenzene
Concen: 2.017 ug/l
RT: 13.080 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 119 Resp: 166
Ion Ratio Lower Upper
119 100
91 54.2 32.2 96.6
134 0.0 13.0 38.9#

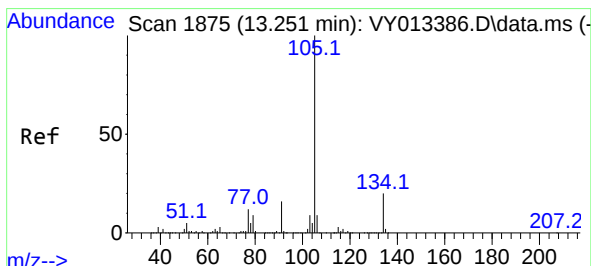
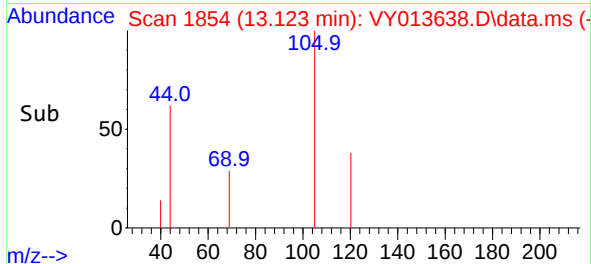
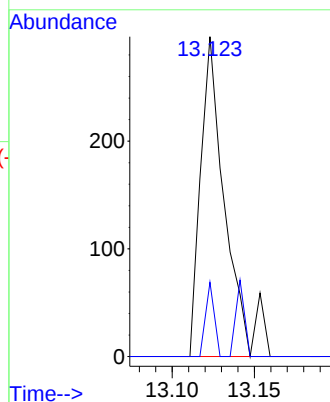
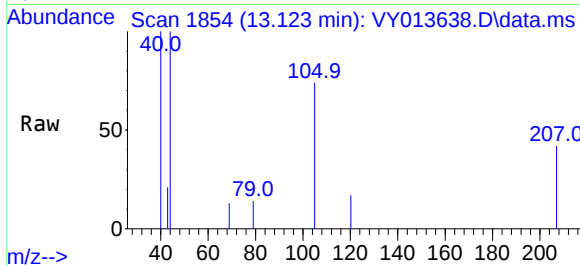




#84
1,2,4-Trimethylbenzene
Concen: 3.367 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

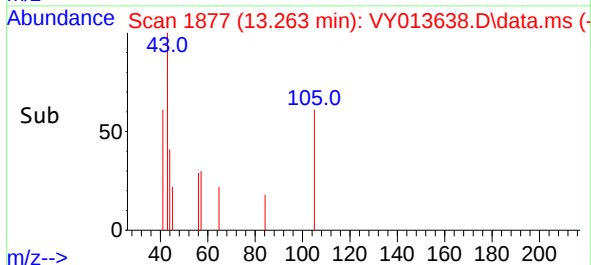
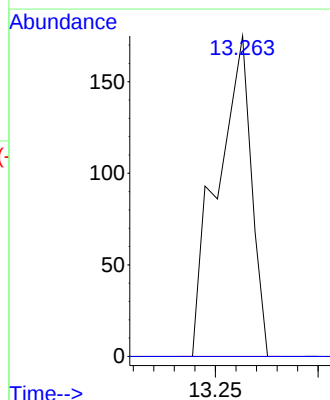
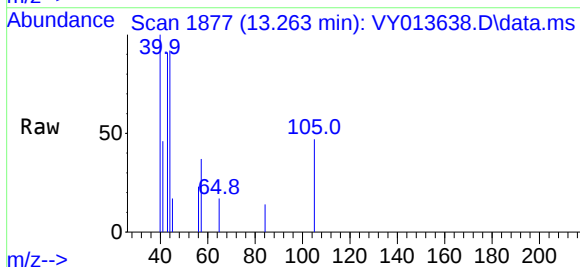
Instrument :
MSVOA_Y
ClientSampleId :
BFB

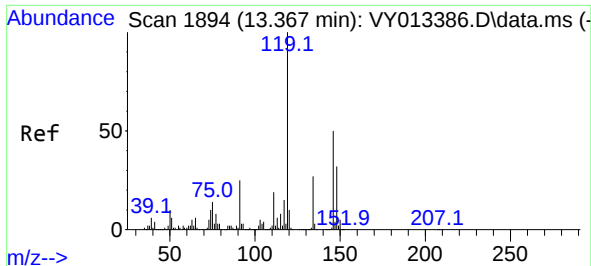
Tgt Ion:105 Resp: 311
Ion Ratio Lower Upper
105 100
120 8.0 22.3 66.9#



#85
sec-Butylbenzene
Concen: 1.635 ug/l
RT: 13.263 min Scan# 1877
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:105 Resp: 202
Ion Ratio Lower Upper
105 100
134 0.0 10.3 30.9#

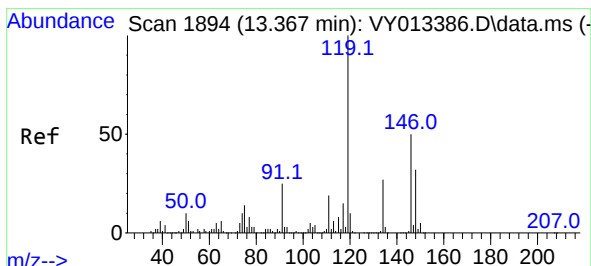
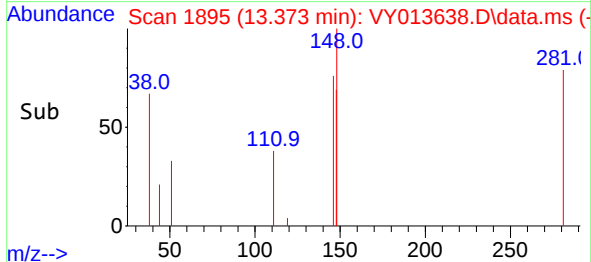
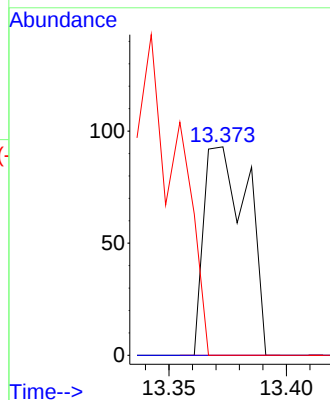
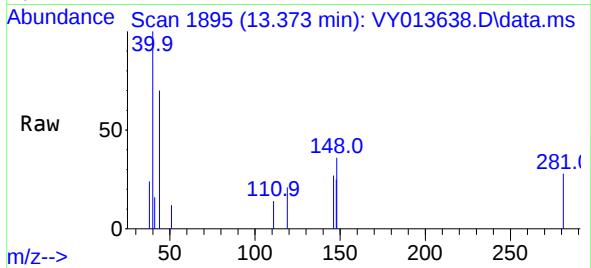




#86
p-Isopropyltoluene
Concen: 1.208 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

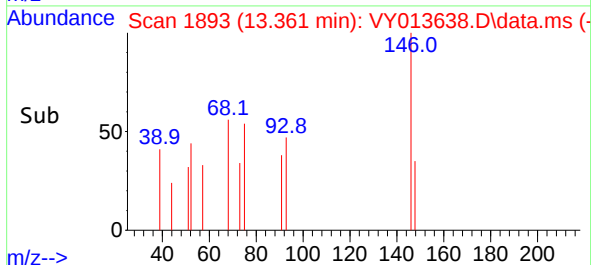
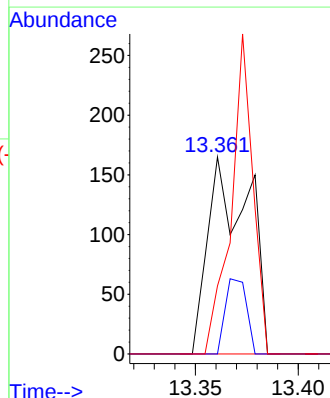
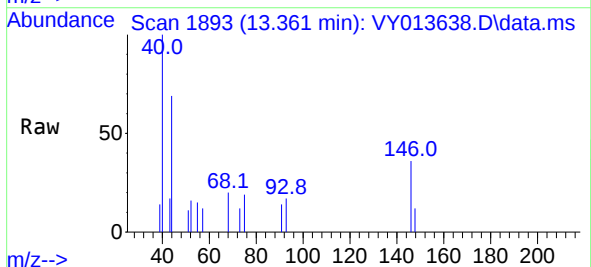
Instrument :
MSVOA_Y
ClientSampleId :
BFB

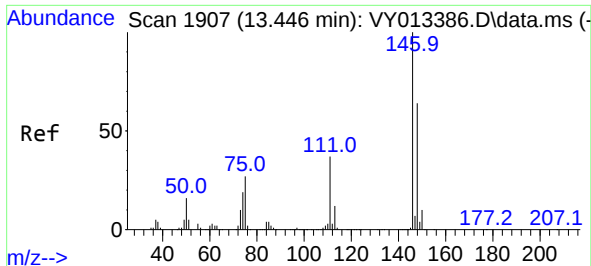
Tgt Ion:	119	Resp:	120
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.4	40.2#
91	0.0	12.1	36.3#



#87
1,3-Dichlorobenzene
Concen: 4.206 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:	146	Resp:	226
Ion	Ratio	Lower	Upper
146	100		
111	19.9	19.3	57.9
148	87.6	31.9	95.7

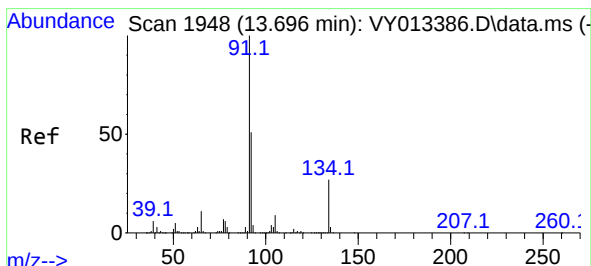
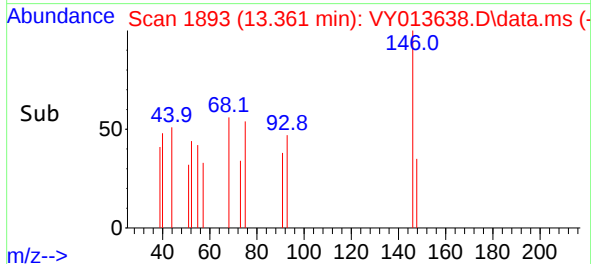
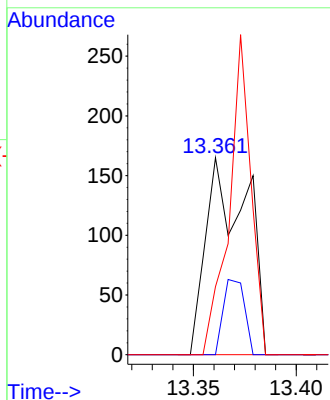
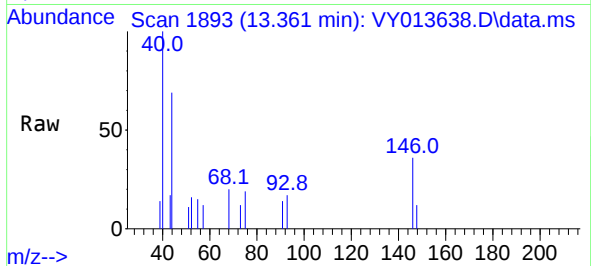




#88
1,4-Dichlorobenzene
Concen: 4.163 ug/l
RT: 13.361 min Scan# 11
Delta R.T. -0.085 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

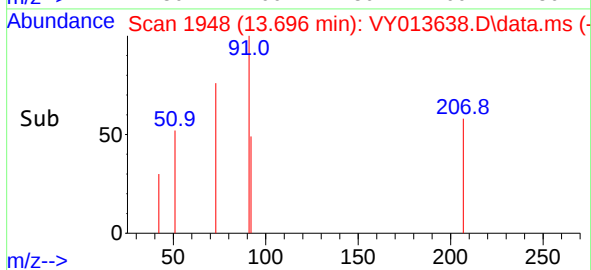
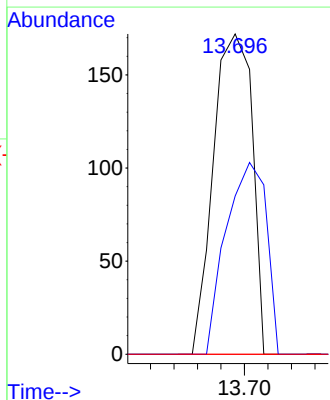
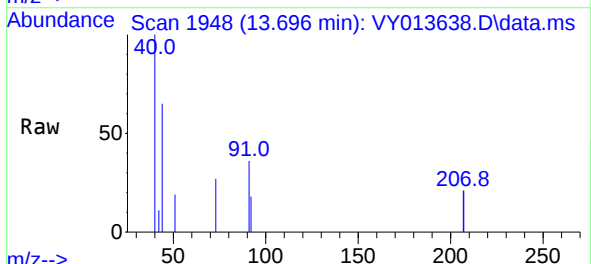
Instrument :
MSVOA_Y
ClientSampleId :
BFB

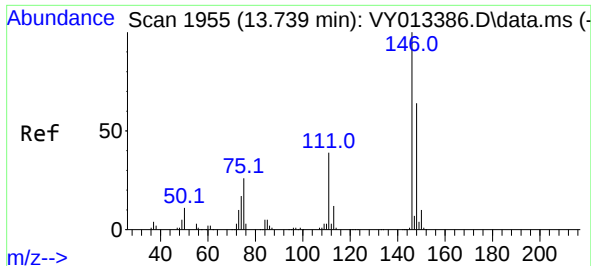
Tgt Ion:146	Resp:	226
Ion	Ratio	Lower Upper
146	100	
111	19.9	18.9 56.5
148	87.6	31.9 95.5



#89
n-Butylbenzene
Concen: 2.032 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion: 91	Resp:	197
Ion	Ratio	Lower Upper
91	100	
92	62.4	25.8 77.3
134	0.0	13.5 40.4#

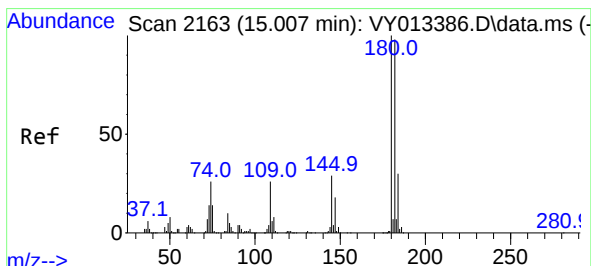
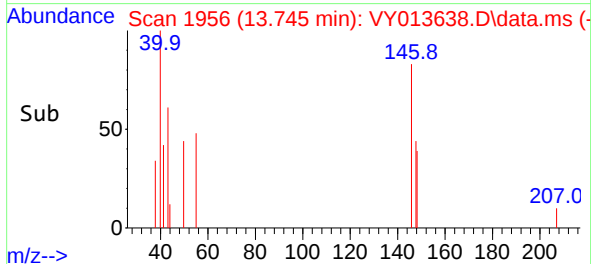
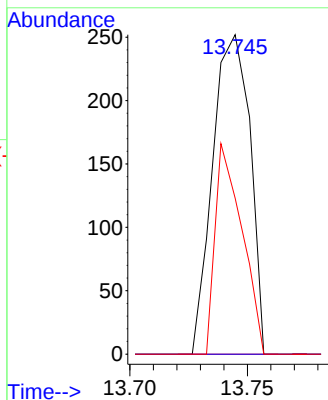
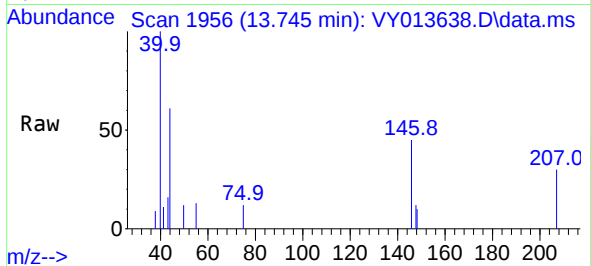




#91
1,2-Dichlorobenzene
Concen: 5.729 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

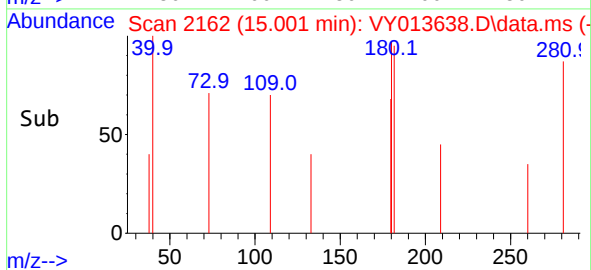
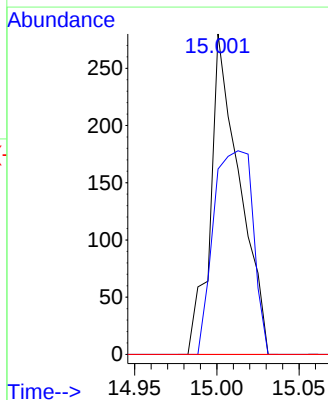
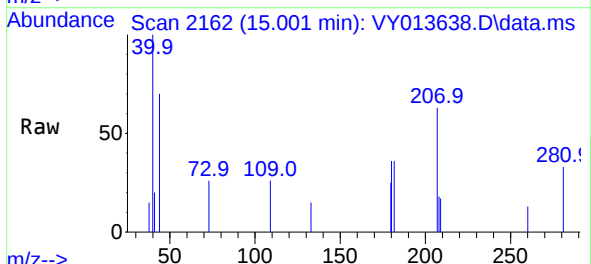
Instrument :
MSVOA_Y
ClientSampleId :
BFB

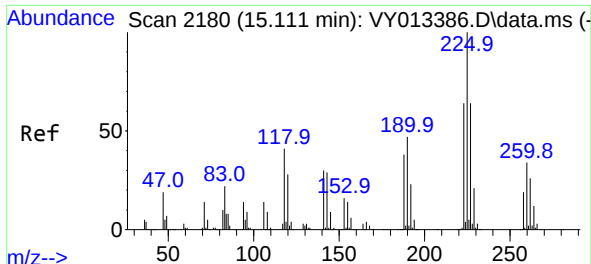
Tgt Ion:146 Resp: 278
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 47.5 31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 11.960 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:180 Resp: 346
Ion Ratio Lower Upper
180 100
182 85.8 48.5 145.5
145 0.0 15.0 45.0#

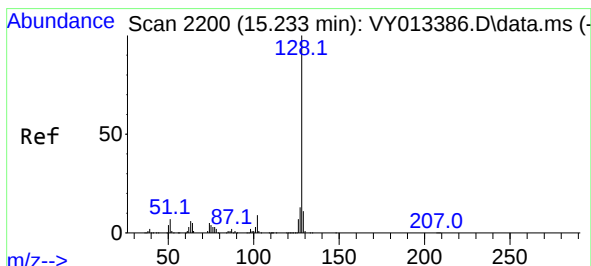
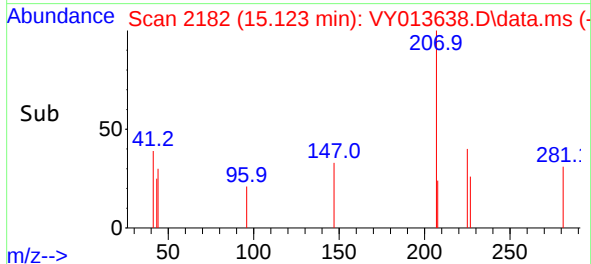
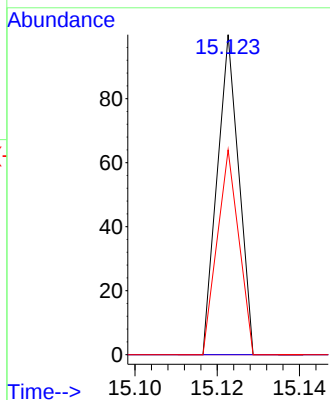
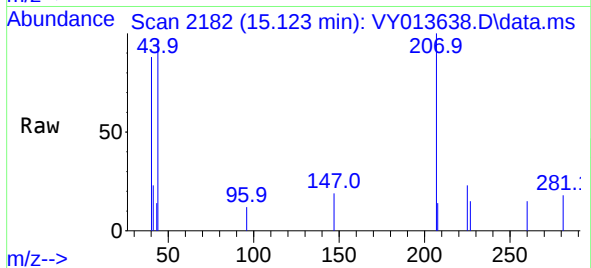




#94
Hexachlorobutadiene
Concen: 2.198 ug/l
RT: 15.123 min Scan# 2180
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

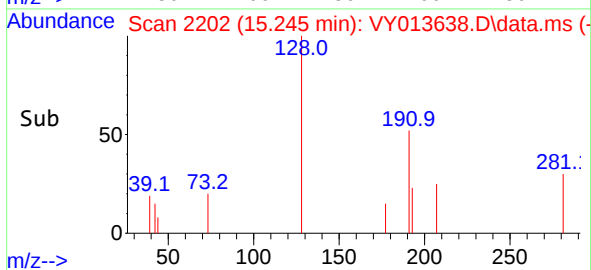
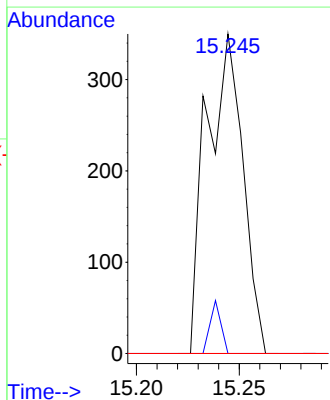
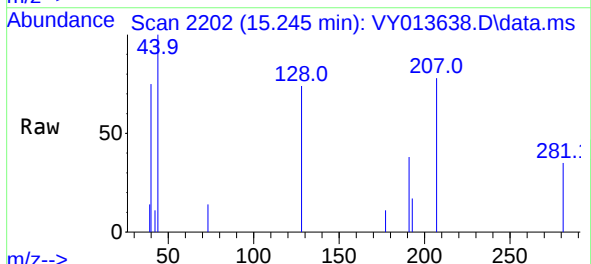
Instrument :
MSVOA_Y
ClientSampleId :
BFB

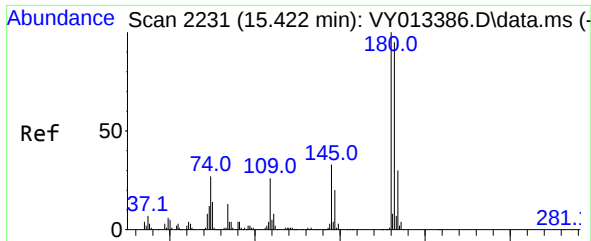
Tgt Ion:225 Resp: 37
Ion Ratio Lower Upper
225 100
223 0.0 31.4 94.2#
227 62.2 32.0 96.0



#95
Naphthalene
Concen: 6.850 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY013638.D
Acq: 08 May 2023 09:16

Tgt Ion:128 Resp: 430
Ion Ratio Lower Upper
128 100
127 4.9 10.7 16.1#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 12.487 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VY013638.D
 Acq: 08 May 2023 09:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Tgt Ion:	180	Resp:	322
Ion	Ratio	Lower	Upper
180	100		
182	46.9	47.1	141.3#
145	0.0	15.9	47.7#

