

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015584.D
 Acq On : 15 Sep 2023 21:19
 Operator : SY/MD
 Sample : BFB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Sep 15 23:20:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	383	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.697	114	938	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	2537	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	371	90.362	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	180.720%#
35) Dibromofluoromethane	7.716	113	110	20.360	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.720%#
50) Toluene-d8	10.185	98	1403	71.709	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	143.420%#
62) 4-Bromofluorobenzene	12.483	95	176327	24276.489	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	48552.980%#
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	225	50.888	ug/l	# 43
5) Bromomethane	2.668	94	427	116.607	ug/l	# 47
7) Trichlorofluoromethane	3.119	101	157	21.567	ug/l	88
8) Diethyl Ether	3.540	74	21	8.441	ug/l	# 1
10) Methyl Iodide	4.107	142	257	54.240	ug/l	# 46
11) Tert butyl alcohol	4.930	59	573	775.547	ug/l	# 89
14) Allyl chloride	4.710	41	1635	269.721	ug/l	# 22
16) Acetone	3.973	43	2107	1229.503	ug/l	# 85
17) Carbon Disulfide	4.198	76	25	2.196	ug/l	# 76
18) Methyl Acetate	4.497	43	107	17.238	ug/l	# 54
19) Methyl tert-butyl Ether	5.228	73	22	1.778	ug/l	# 54
20) Methylene Chloride	4.728	84	35674	Below Cal		93
25) 2-Butanone	6.996	43	1103	453.799	ug/l	# 49
26) 2,2-Dichloropropane	6.978	77	995	152.858	ug/l	# 54
29) Tetrahydrofuran	7.368	42	125	81.895	ug/l	# 35
30) Chloroform	7.496	83	82	10.178	ug/l	# 19
36) 1,1-Dichloropropene	7.777	75	19	2.003	ug/l	# 41
37) Ethyl Acetate	7.088	43	88	12.028	ug/l	# 71
38) Carbon Tetrachloride	8.130	117	330	33.681	ug/l	# 12
39) Methylcyclohexane	9.191	83	23	1.926	ug/l	# 17
40) Benzene	8.173	78	210	7.934	ug/l	# 52
41) Methacrylonitrile	7.374	41	96	27.980	ug/l	# 26
43) Isopropyl Acetate	8.368	43	22	1.739	ug/l	# 55
48) Methyl methacrylate	9.270	41	44	7.580	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.081	43	681	92.609	ug/l	# 79
52) Toluene	10.246	92	182	10.729	ug/l	# 45
53) t-1,3-Dichloropropene	10.575	75	1553	154.179	ug/l	# 60
55) 1,1,2-Trichloroethane	10.593	97	347	58.107	ug/l	# 14
56) Ethyl methacrylate	10.715	69	66	7.458	ug/l	# 1
57) 1,3-Dichloropropane	10.953	76	91	8.852	ug/l	# 43
58) 2-Chloroethyl Vinyl ether	9.795	63	40	12.663	ug/l	# 48
59) 2-Hexanone	10.947	43	280	50.746	ug/l	# 27
64) Tetrachloroethene	10.575	164	432	18.760	ug/l	# 33
65) Chlorobenzene	11.520	112	146	2.671	ug/l	# 43
67) Ethyl Benzene	11.593	91	425	4.329	ug/l	# 44
68) m/p-Xylenes	11.703	106	261	6.859	ug/l	86

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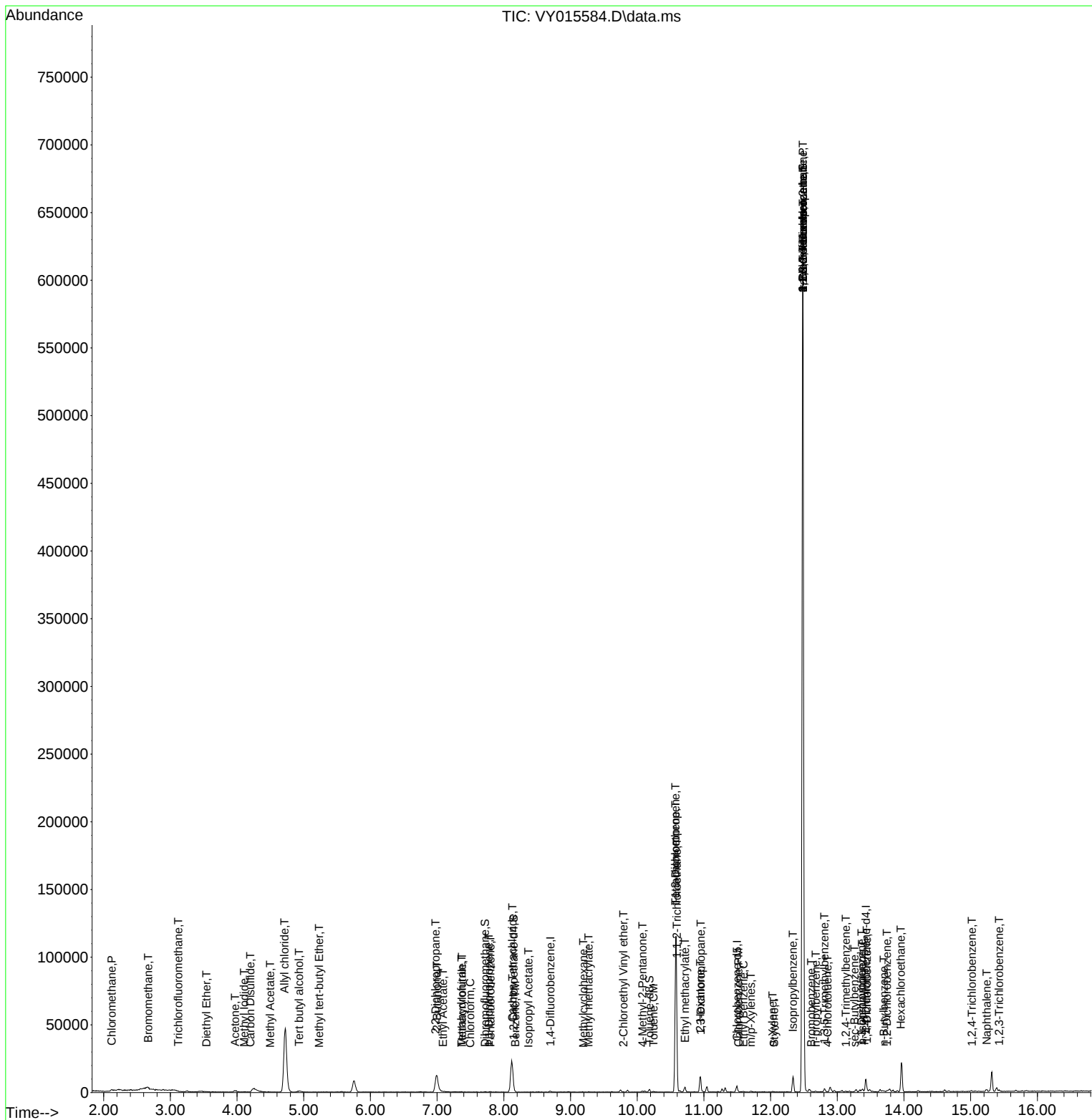
Quant Time: Sep 15 23:20:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
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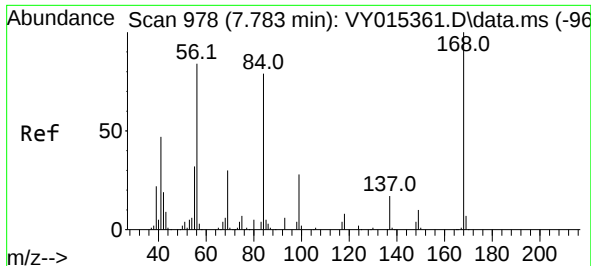
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	12.032	106	49	1.347	ug/l #	1
70) Styrene	12.050	104	197	3.222	ug/l #	47
73) Isopropylbenzene	12.337	105	737	3.693	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.483	83	219	4.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	94951	2694.820	ug/l #	100
77) Bromobenzene	12.611	156	117	2.475	ug/l #	54
78) n-propylbenzene	12.678	91	538	2.228	ug/l	93
79) 2-Chlorotoluene	12.483	91	842	6.216	ug/l	70
80) 1,3,5-Trimethylbenzene	12.806	105	364	2.181	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.483	75	94951	5944.486	ug/l #	11
82) 4-Chlorotoluene	12.855	91	374	2.657	ug/l #	52
84) 1,2,4-Trimethylbenzene	13.129	105	388	2.341	ug/l	85
85) sec-Butylbenzene	13.257	105	327	1.499	ug/l #	68
86) p-Isopropyltoluene	13.373	119	356	1.948	ug/l #	72
87) 1,3-Dichlorobenzene	13.367	146	335	3.590	ug/l	77
88) 1,4-Dichlorobenzene	13.446	146	354	3.753	ug/l	97
89) n-Butylbenzene	13.696	91	536	3.116	ug/l #	41
90) Hexachloroethane	13.952	117	44	1.346	ug/l #	8
91) 1,2-Dichlorobenzene	13.745	146	215	2.525	ug/l	84
93) 1,2,4-Trichlorobenzene	15.019	180	351	6.563	ug/l	86
95) Naphthalene	15.239	128	1701	12.840	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.428	180	356	7.298	ug/l #	81

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

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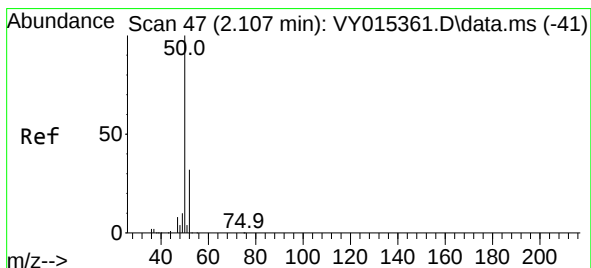
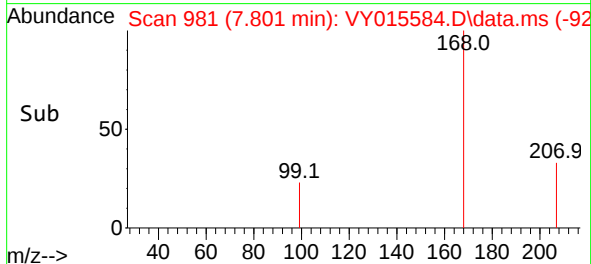
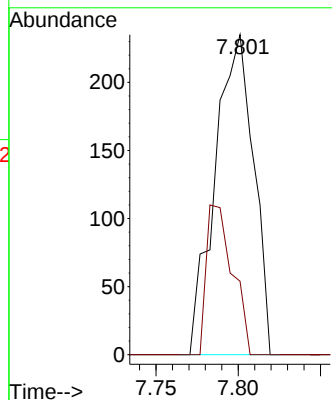
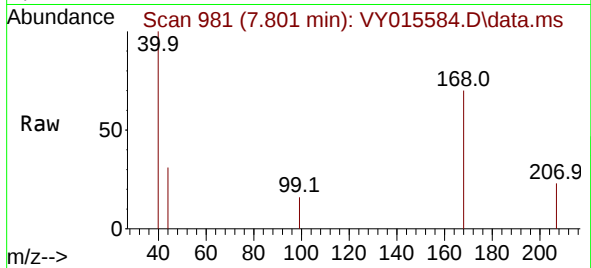




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015584.D
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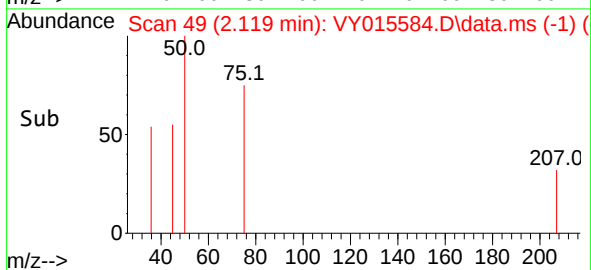
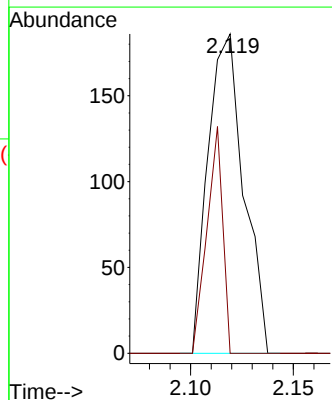
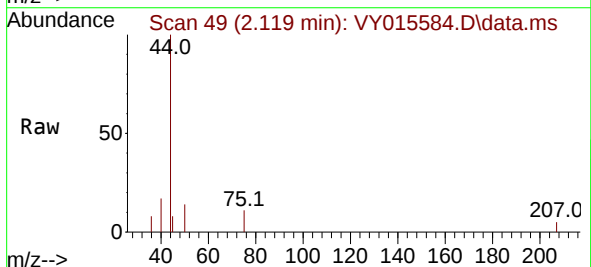
Instrument :
MSVOA_Y
ClientSampleId :
BFB

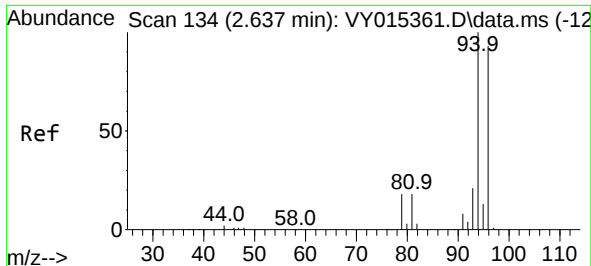
Tgt Ion:168 Resp: 383
Ion Ratio Lower Upper
168 100
99 23.0 43.4 65.0#



#3
Chloromethane
Concen: 50.888 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

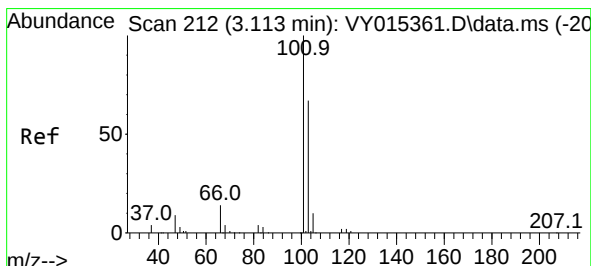
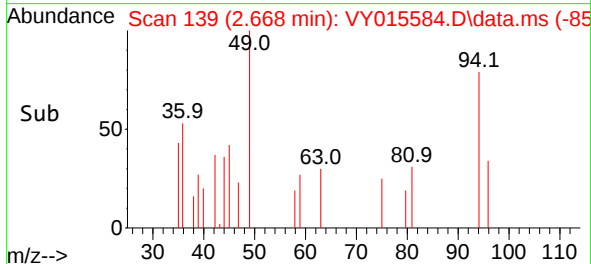
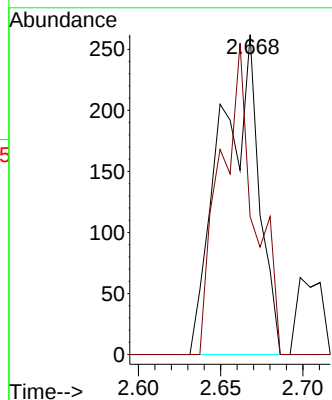
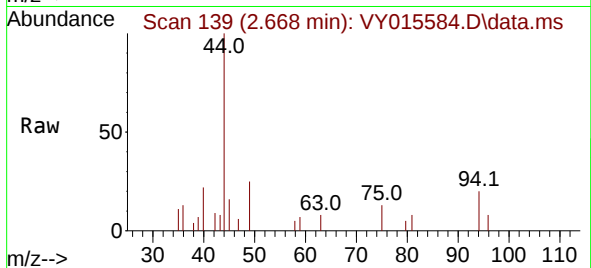




#5
Bromomethane
Concen: 116.607 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.030 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

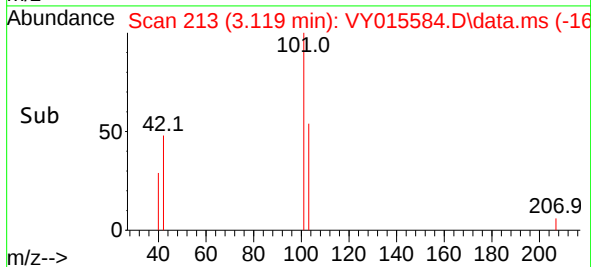
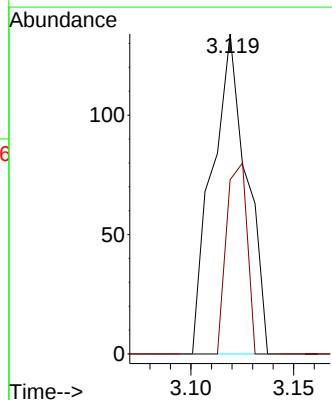
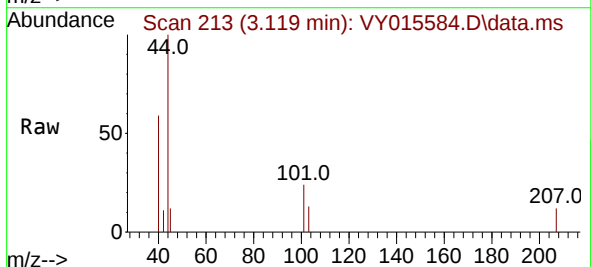
Instrument :
MSVOA_Y
ClientSampleId :
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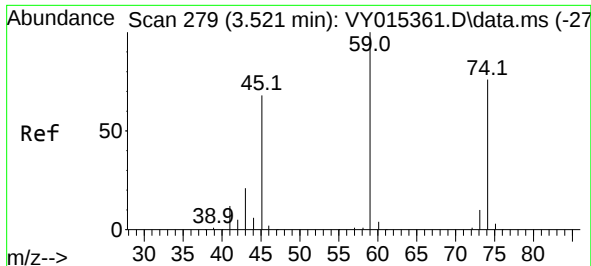
Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 43.1 75.8 113.6#



#7
Trichlorofluoromethane
Concen: 21.567 ug/l
RT: 3.119 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion:101 Resp: 157
Ion Ratio Lower Upper
101 100
103 54.5 51.4 77.0





#8

Diethyl Ether

Concen: 8.441 ug/l

RT: 3.540 min Scan# 21

Delta R.T. 0.018 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

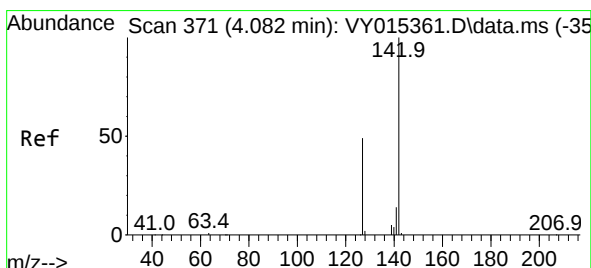
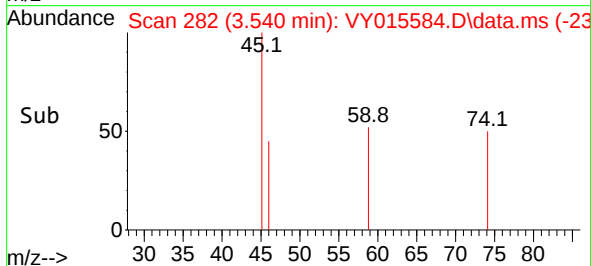
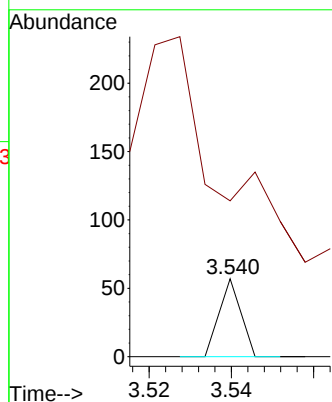
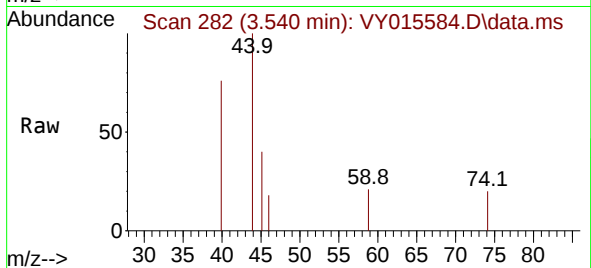
BFB

Tgt Ion: 74 Resp: 21

Ion Ratio Lower Upper

74 100

45 1438.1 51.5 154.5#



#10

Methyl Iodide

Concen: 54.240 ug/l

RT: 4.107 min Scan# 375

Delta R.T. 0.024 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

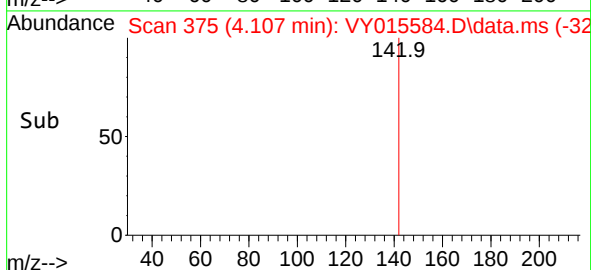
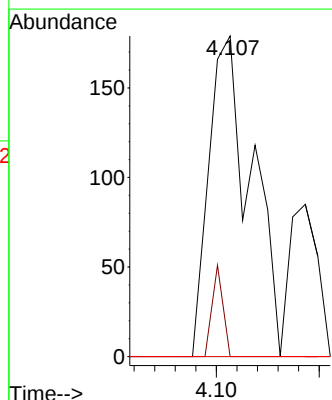
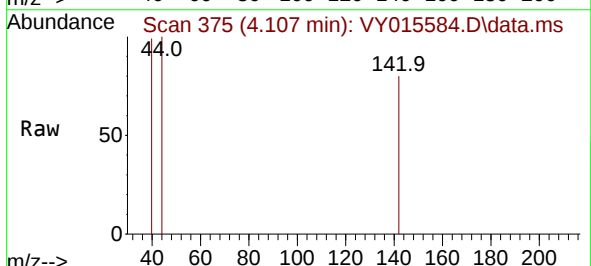
Tgt Ion: 142 Resp: 257

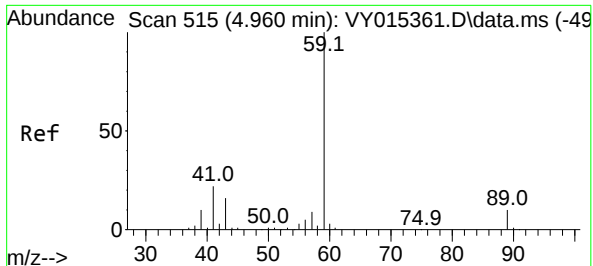
Ion Ratio Lower Upper

142 100

127 7.4 37.6 56.4#

141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 775.547 ug/l

RT: 4.930 min Scan# 515

Delta R.T. -0.024 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

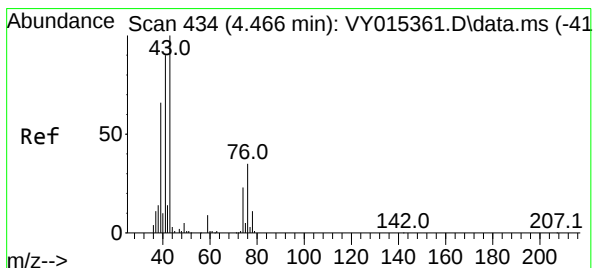
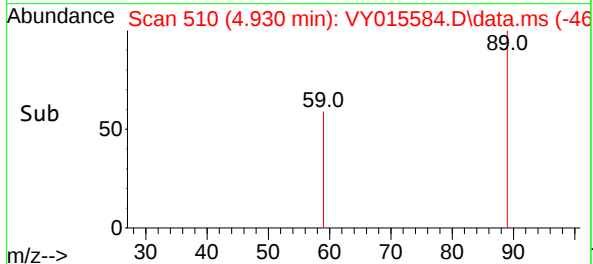
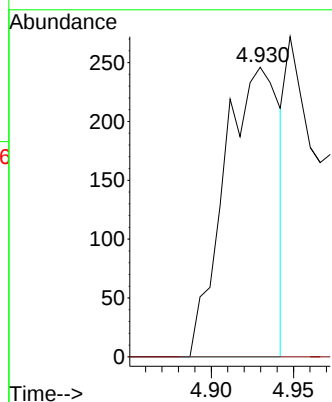
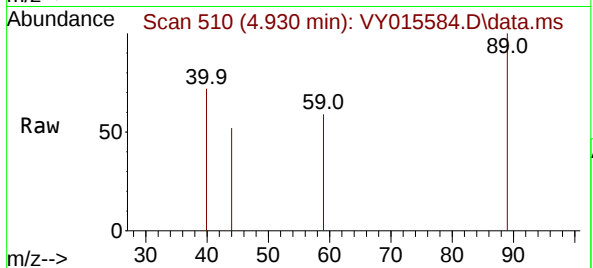
BFB

Tgt Ion: 59 Resp: 573

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#14

Allyl chloride

Concen: 269.721 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.238 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

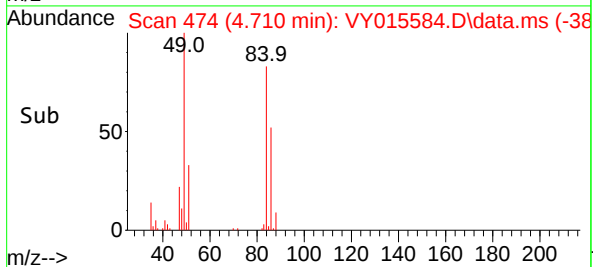
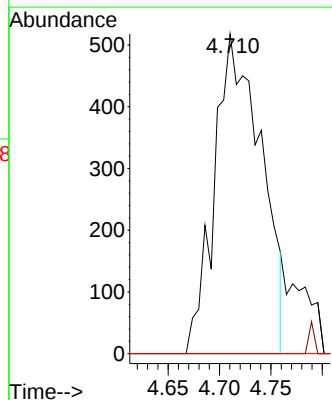
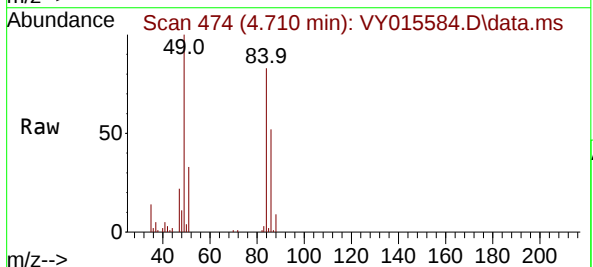
Tgt Ion: 41 Resp: 1635

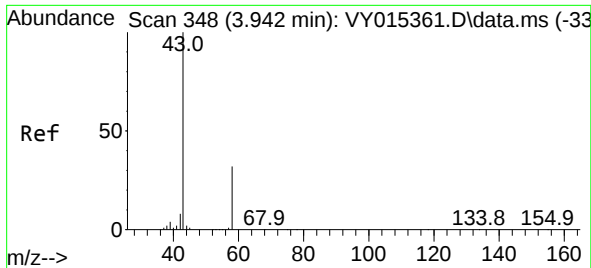
Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#





#16

Acetone

Concen: 1229.503 ug/l

RT: 3.973 min Scan# 31

Delta R.T. 0.031 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

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ClientSampleId :

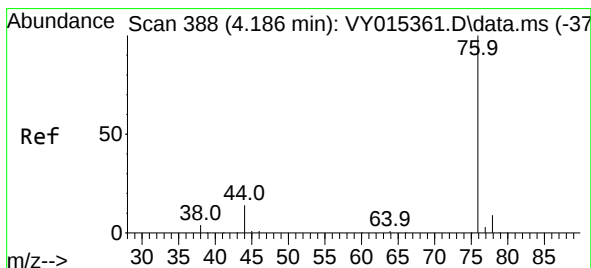
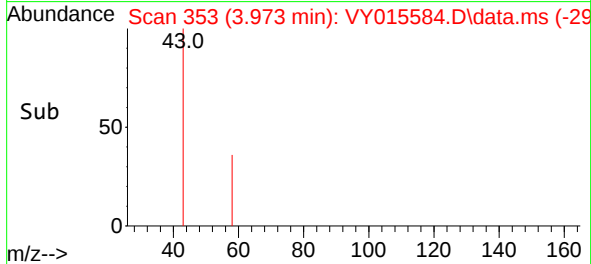
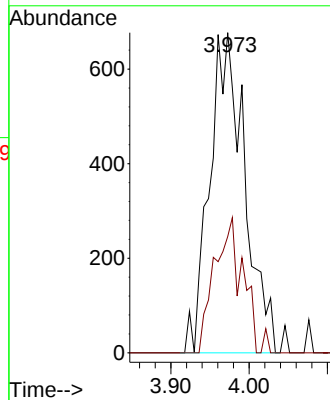
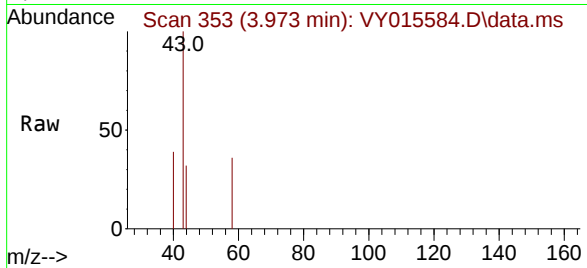
BFB

Tgt Ion: 43 Resp: 2107

Ion Ratio Lower Upper

43 100

58 36.3 22.7 34.1#



#17

Carbon Disulfide

Concen: 2.196 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY015584.D

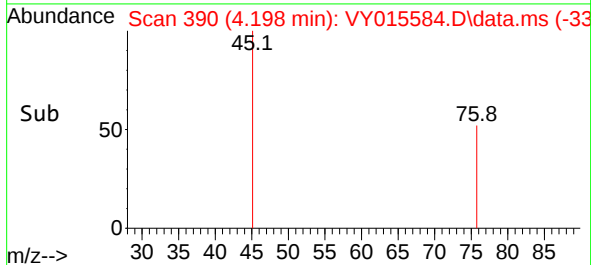
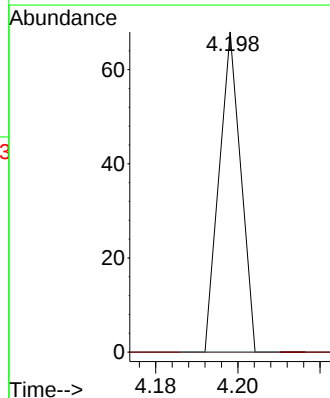
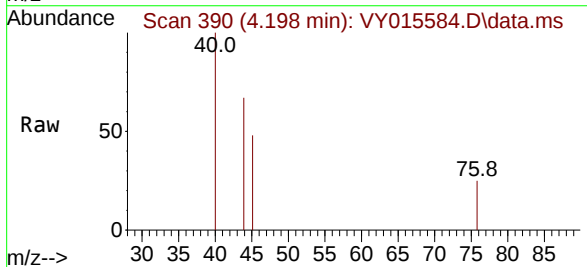
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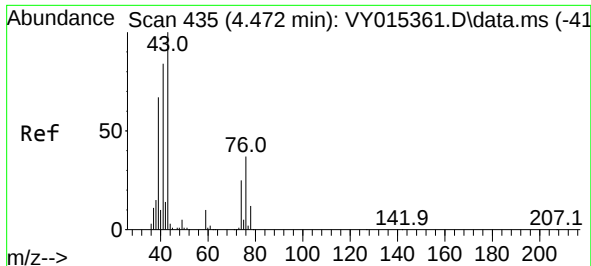
Tgt Ion: 76 Resp: 25

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

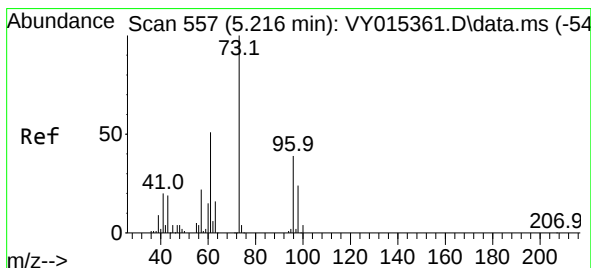
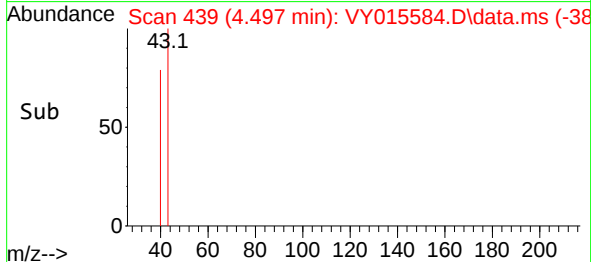
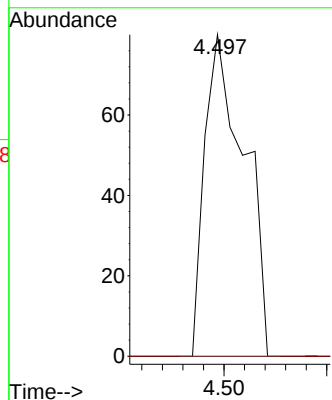
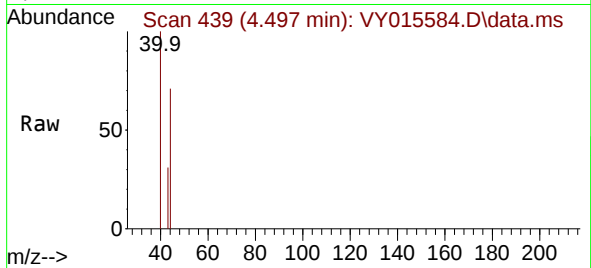




#18
Methyl Acetate
Concen: 17.238 ug/l
RT: 4.497 min Scan# 41
Delta R.T. 0.024 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

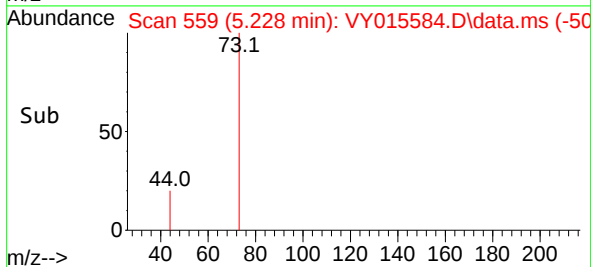
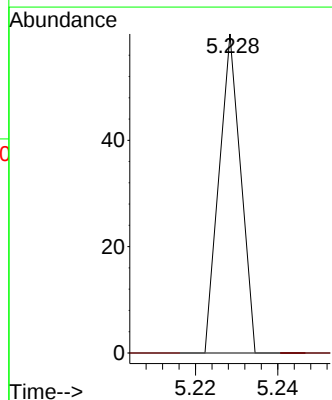
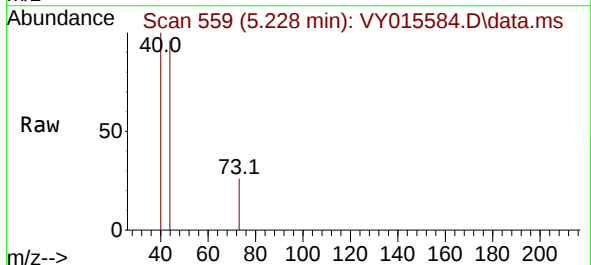
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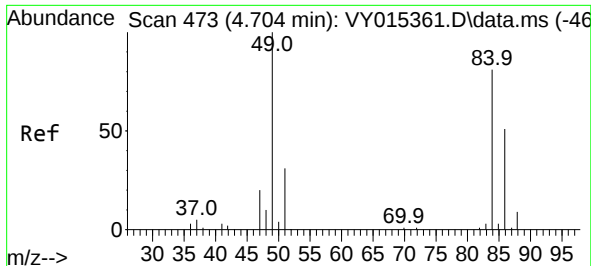
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 1.778 ug/l
RT: 5.228 min Scan# 559
Delta R.T. 0.018 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 73 Resp: 22
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#



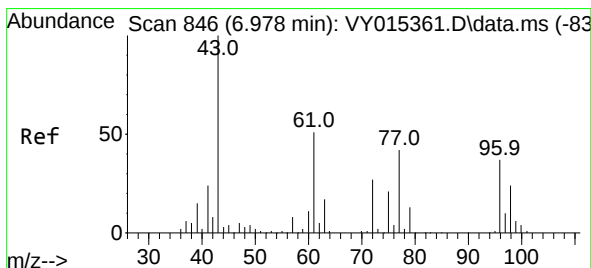
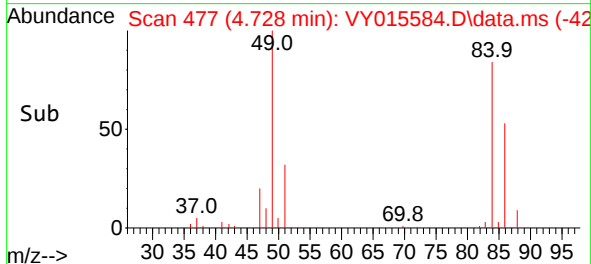
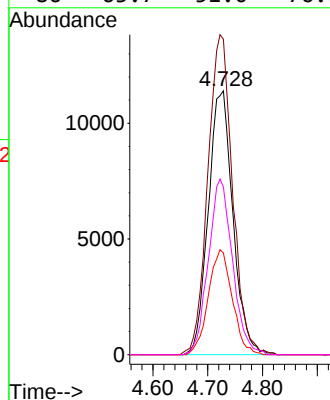
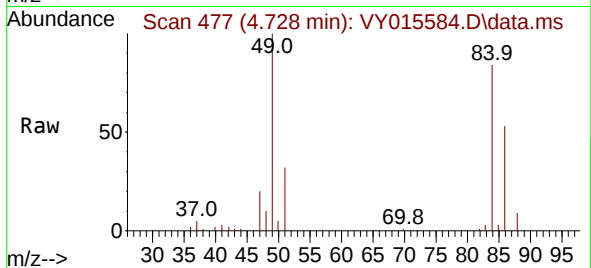


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 41
Delta R.T. 0.024 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion: 84 Resp: 35674

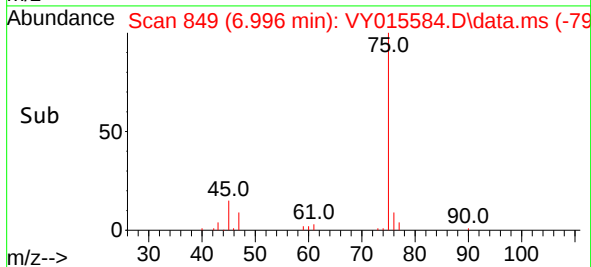
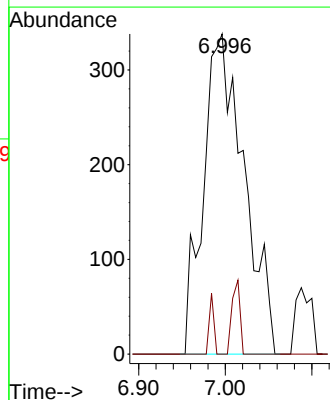
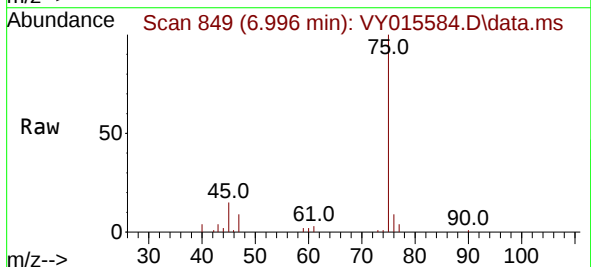
Ion	Ratio	Lower	Upper
84	100		
49	119.6	106.9	160.3
51	38.6	33.2	49.8
86	63.7	51.0	76.6

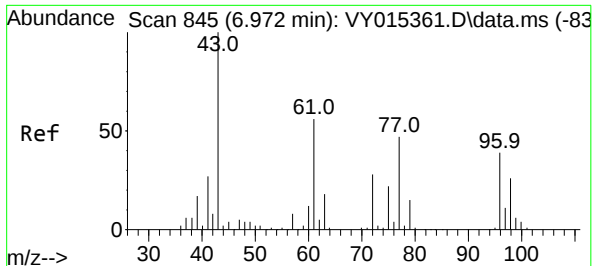


#25
2-Butanone
Concen: 453.799 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 43 Resp: 1103

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 152.858 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

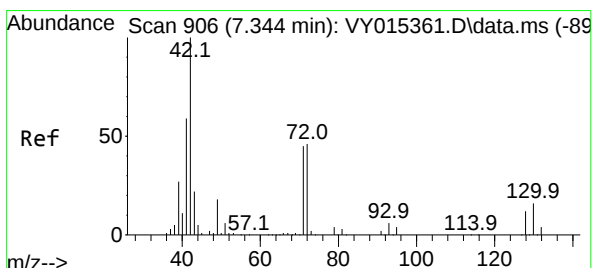
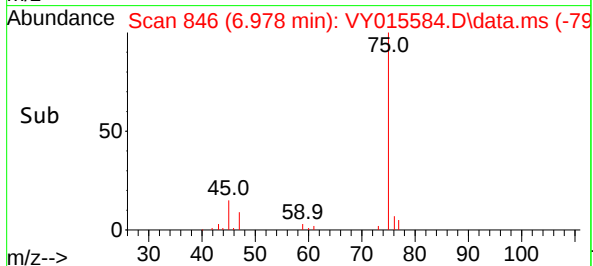
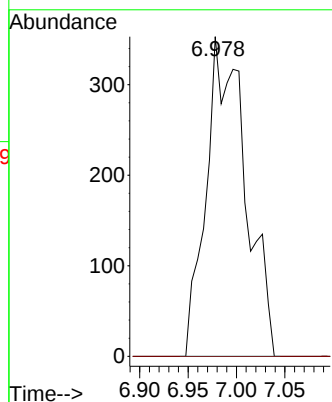
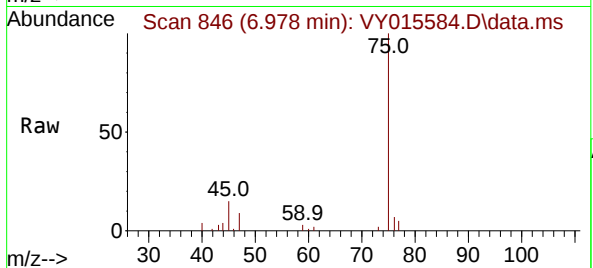
BFB

Tgt Ion: 77 Resp: 995

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 81.895 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.024 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

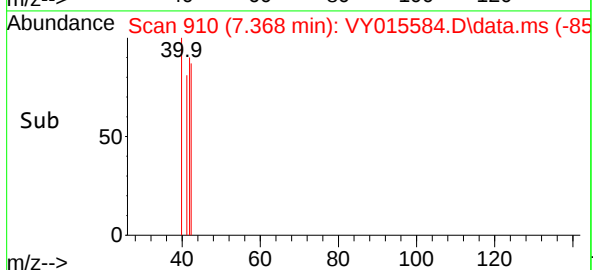
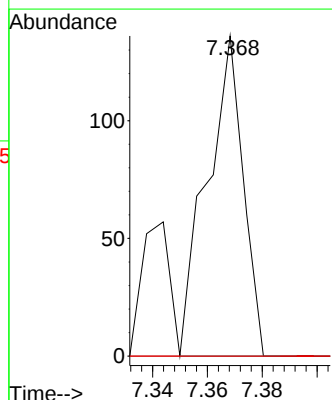
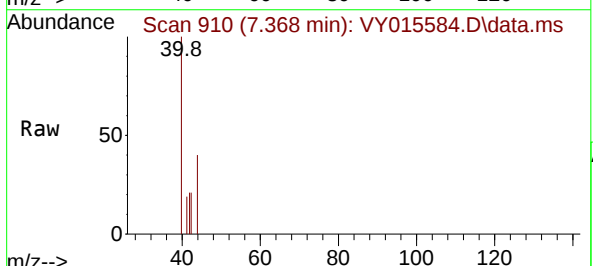
Tgt Ion: 42 Resp: 125

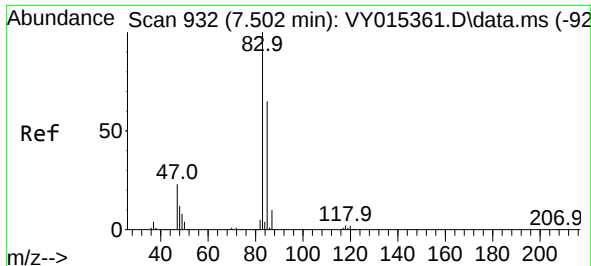
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#

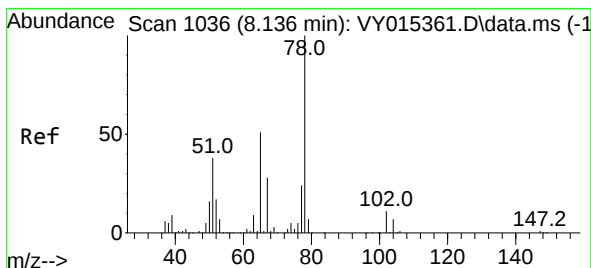
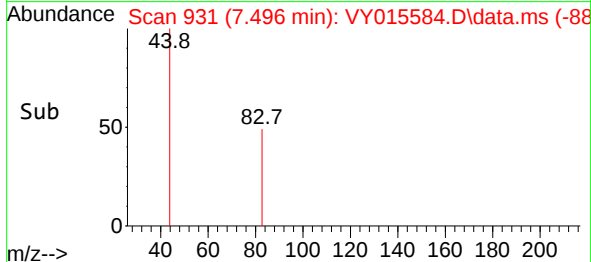
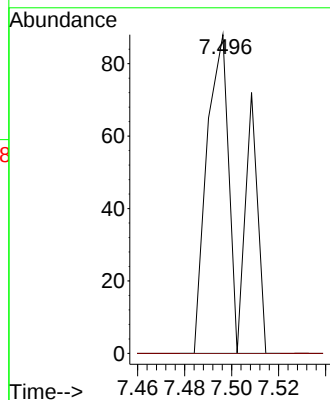
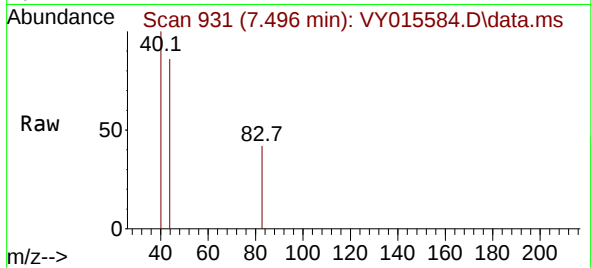




#30
Chloroform
Concen: 10.178 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

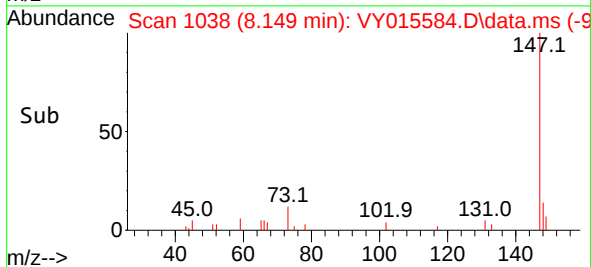
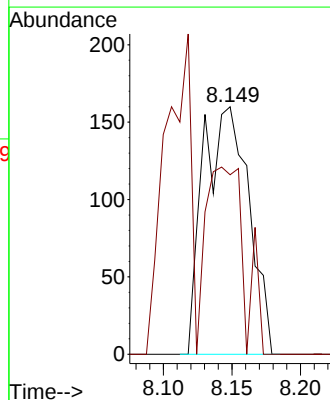
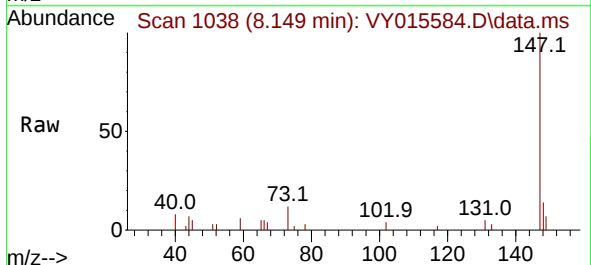
Instrument :
MSVOA_Y
ClientSampleId :
BFB

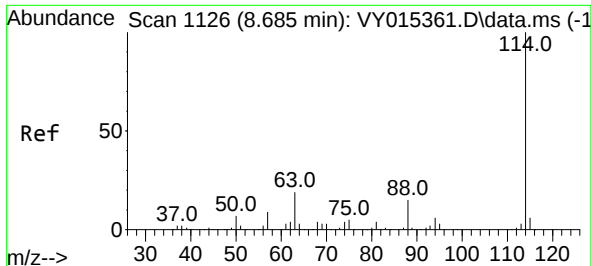
Tgt Ion: 83 Resp: 82
Ion Ratio Lower Upper
83 100
85 0.0 49.7 74.5#



#33
1,2-Dichloroethane-d4
Concen: 90.362 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 65 Resp: 371
Ion Ratio Lower Upper
65 100
67 63.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

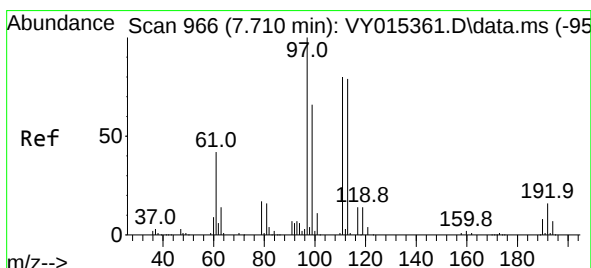
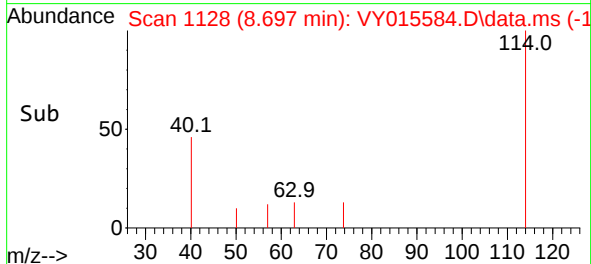
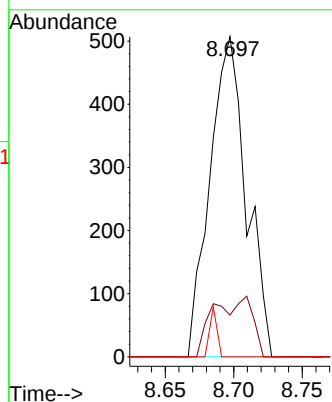
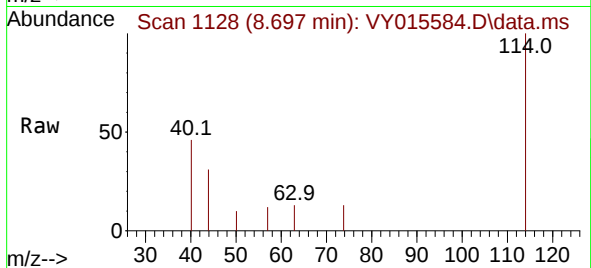
Tgt Ion:114 Resp: 938

Ion Ratio Lower Upper

114 100

63 13.0 0.0 42.4

88 0.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 20.360 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

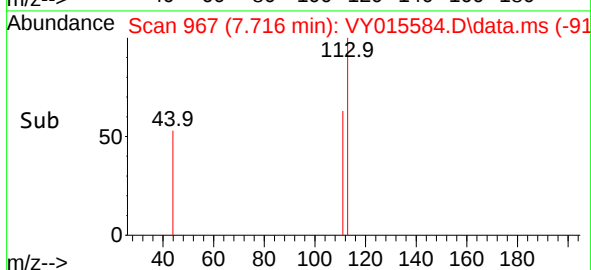
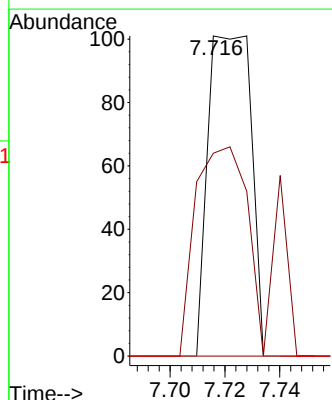
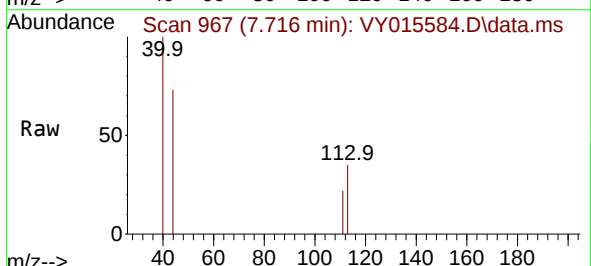
Tgt Ion:113 Resp: 110

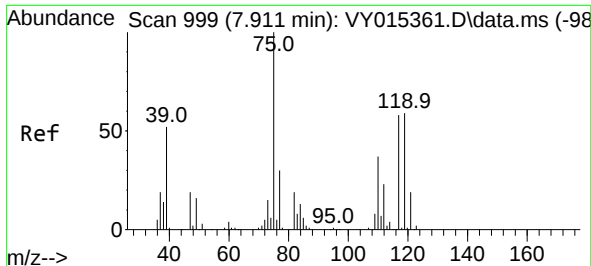
Ion Ratio Lower Upper

113 100

111 98.2 81.3 121.9

192 0.0 16.9 25.3#

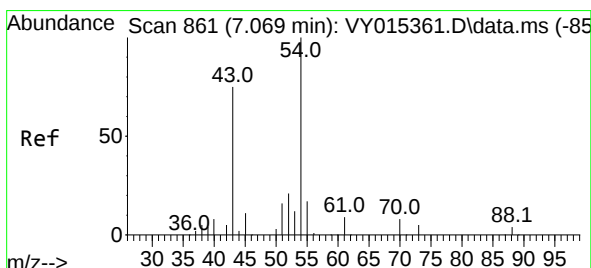
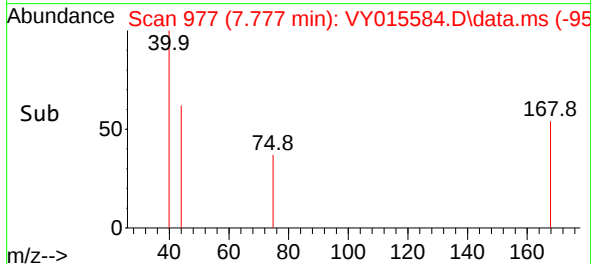
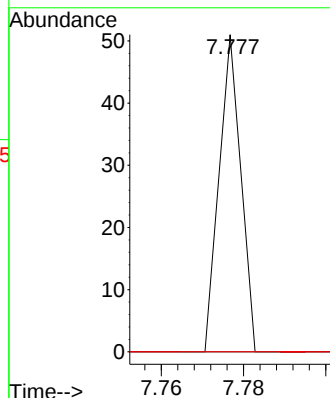
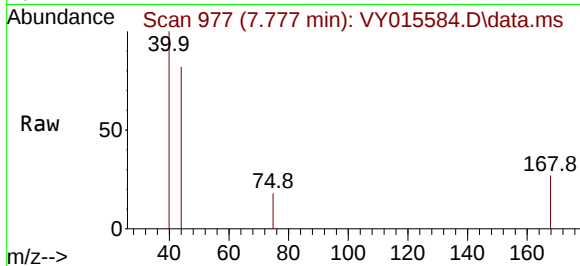




#36
1,1-Dichloropropene
Concen: 2.003 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

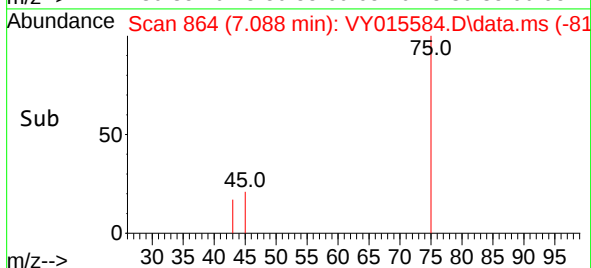
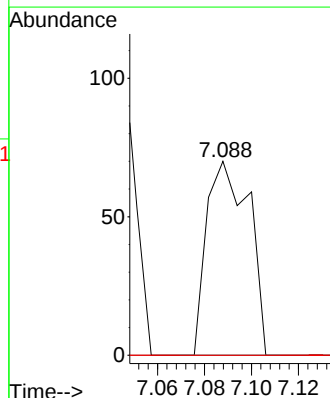
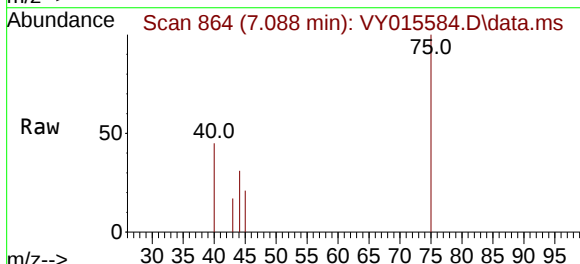
Instrument :
MSVOA_Y
ClientSampleId :
BFB

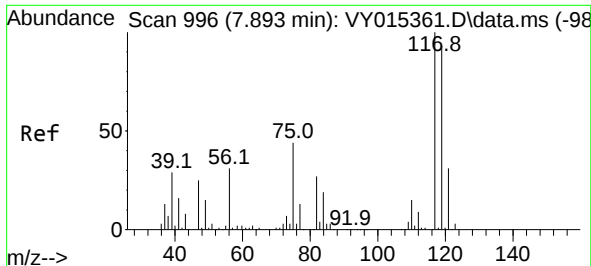
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 12.028 ug/l
RT: 7.088 min Scan# 864
Delta R.T. 0.024 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

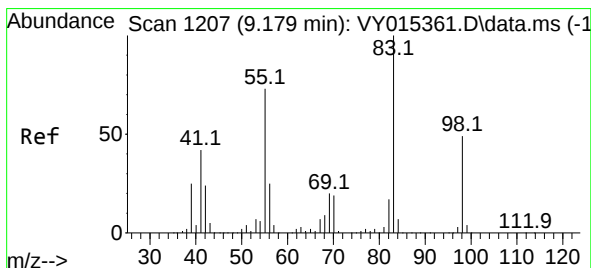
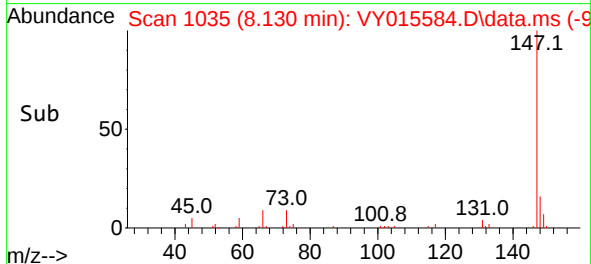
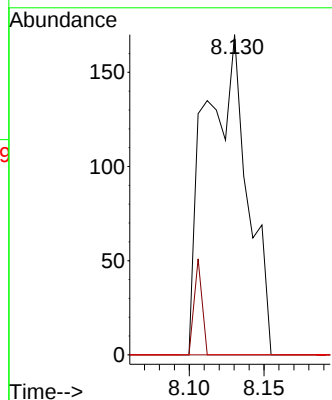
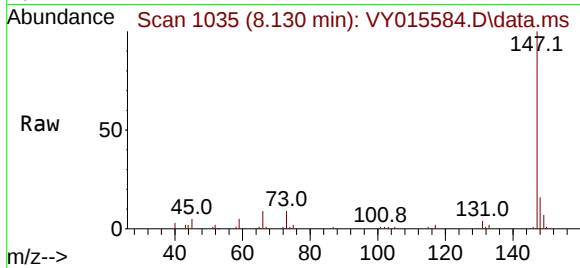




#38
Carbon Tetrachloride
Concen: 33.681 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.238 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

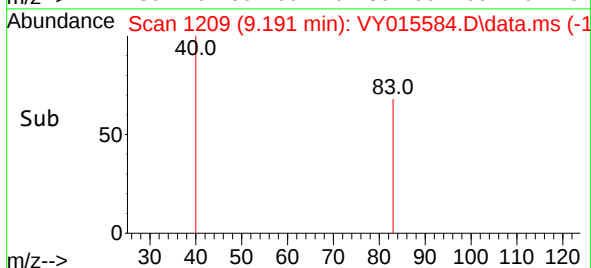
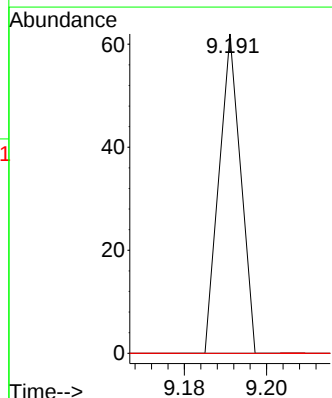
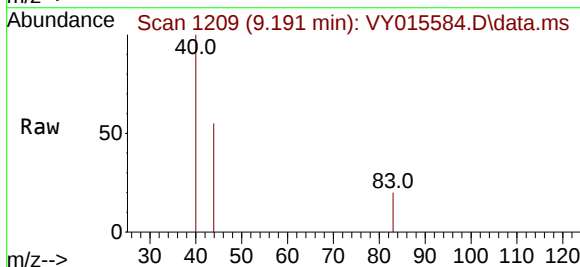
Instrument :
MSVOA_Y
ClientSampleId :
BFB

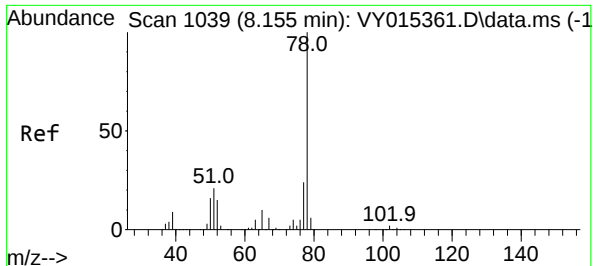
Tgt Ion:117 Resp: 330
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.926 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.012 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 83 Resp: 23
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 0.0 37.4 56.2#

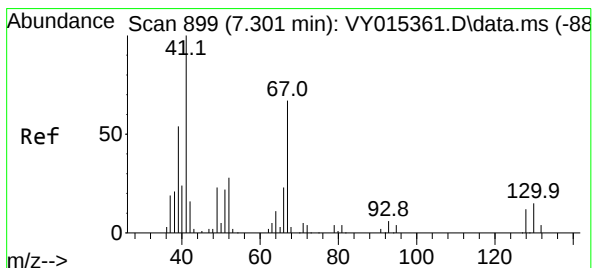
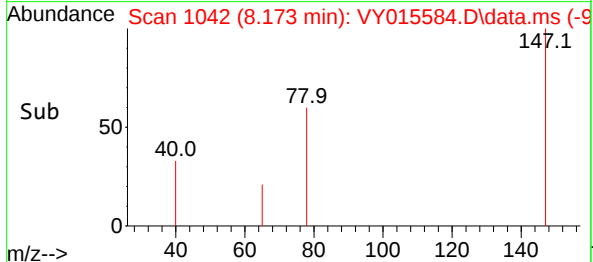
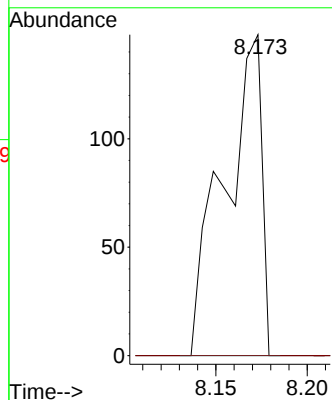
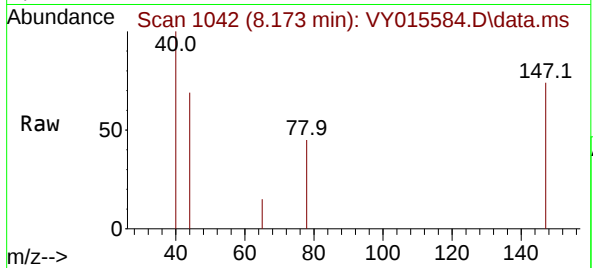




#40
Benzene
Concen: 7.934 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.024 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

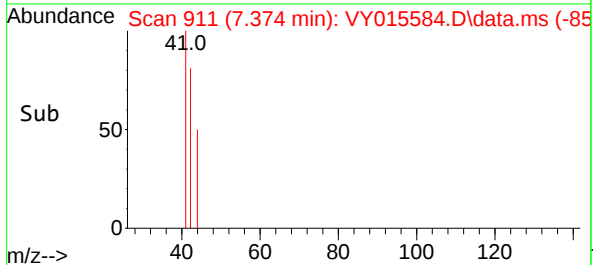
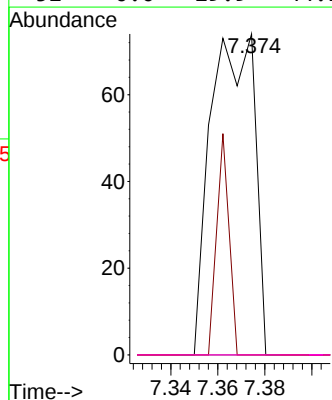
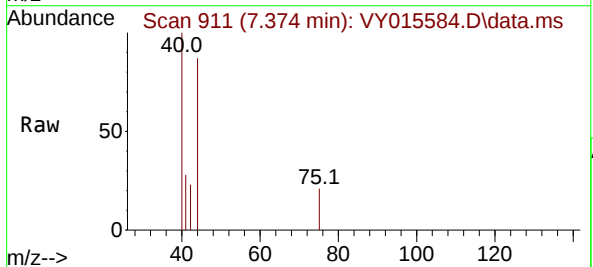
Instrument :
MSVOA_Y
ClientSampleId :
BFB

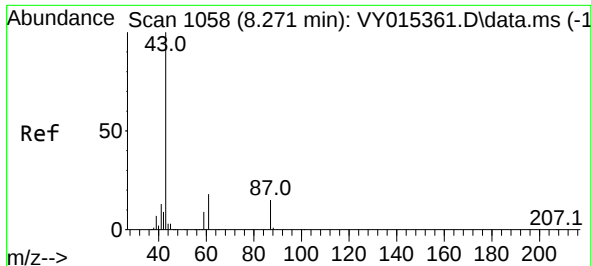
Tgt Ion: 78 Resp: 210
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#41
Methacrylonitrile
Concen: 27.980 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 41 Resp: 96
Ion Ratio Lower Upper
41 100
39 19.8 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#43

Isopropyl Acetate

Concen: 1.739 ug/l

RT: 8.368 min Scan# 1074

Delta R.T. 0.104 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

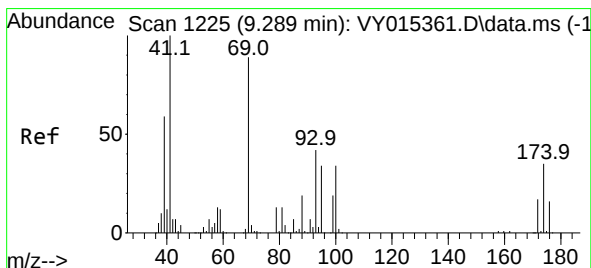
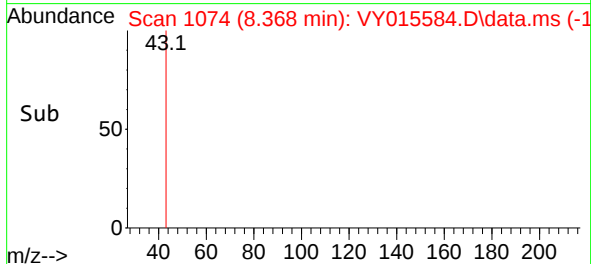
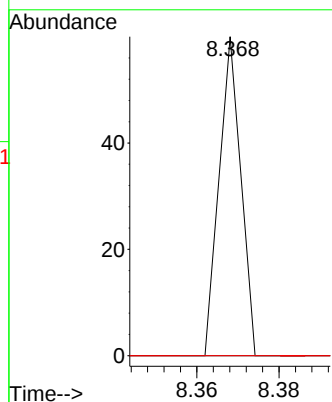
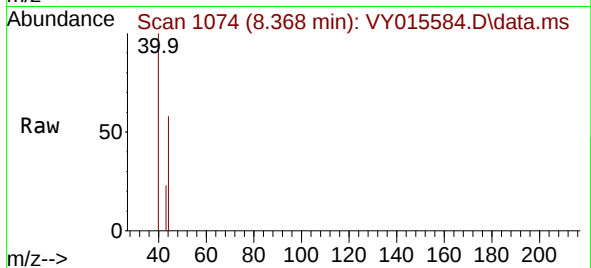
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#



#48

Methyl methacrylate

Concen: 7.580 ug/l

RT: 9.270 min Scan# 1222

Delta R.T. -0.018 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

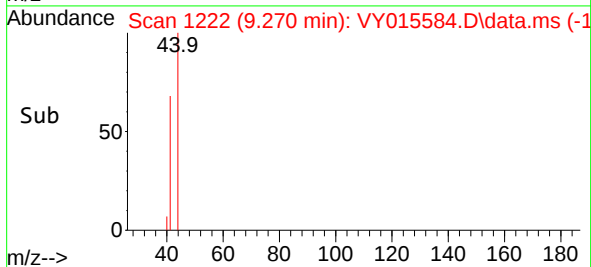
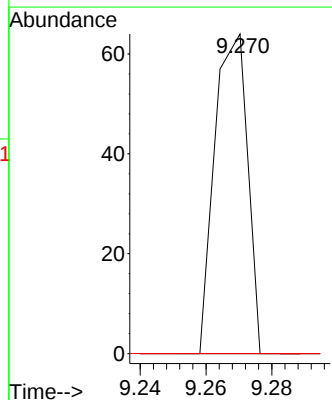
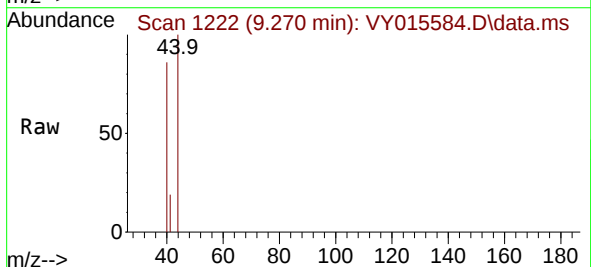
Tgt Ion: 41 Resp: 44

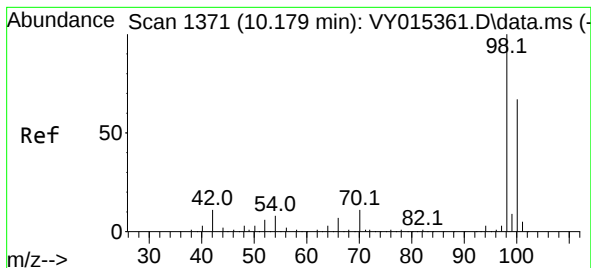
Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 71.709 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

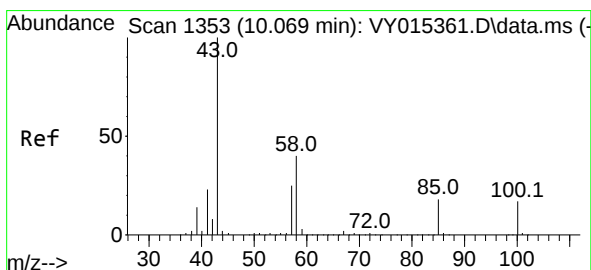
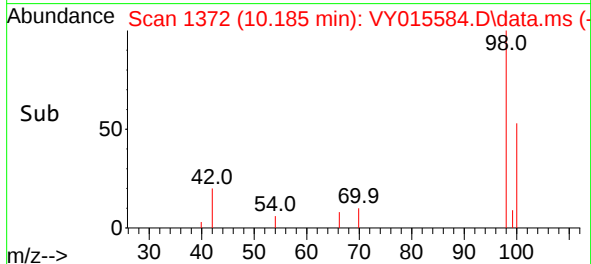
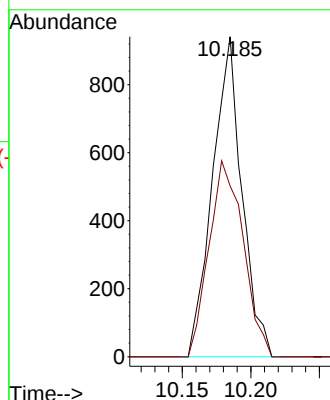
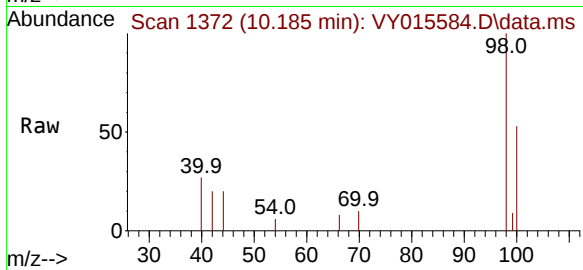
BFB

Tgt Ion: 98 Resp: 1403

Ion Ratio Lower Upper

98 100

100 71.1 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 92.609 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. 0.012 min

Lab File: VY015584.D

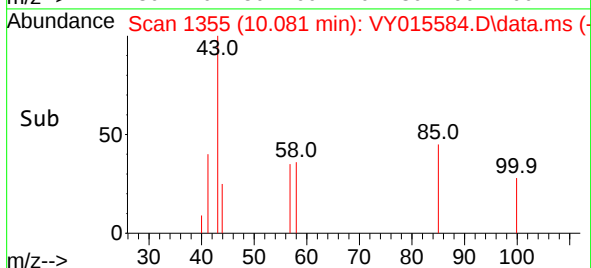
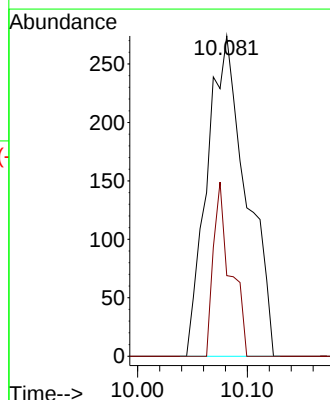
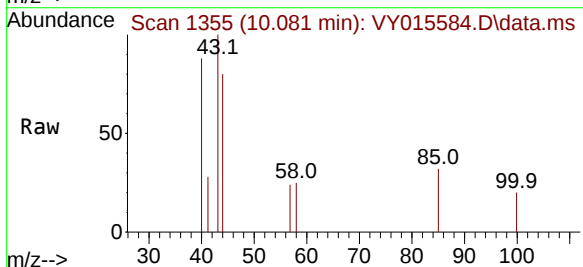
Acq: 15 Sep 2023 21:19

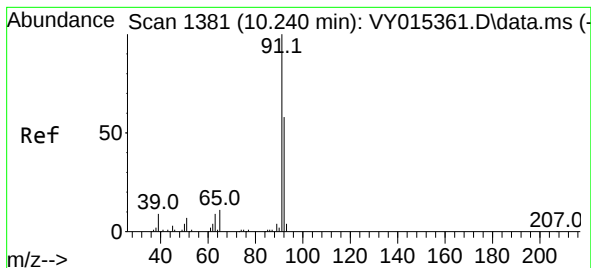
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 23.8 29.0 43.6#





#52

Toluene

Concen: 10.729 ug/l

RT: 10.246 min Scan# 1436

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

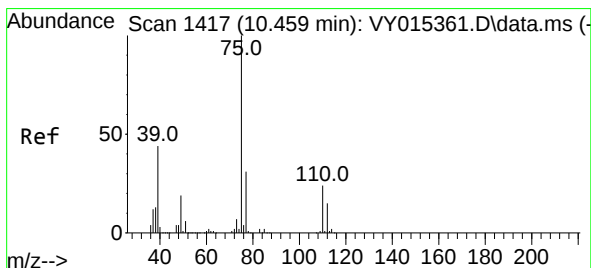
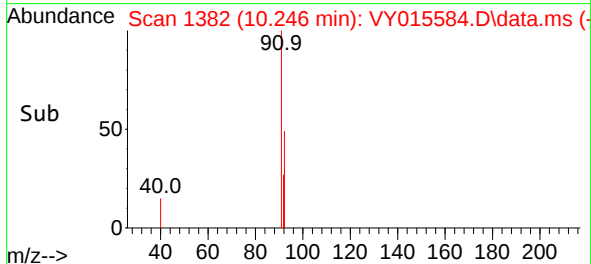
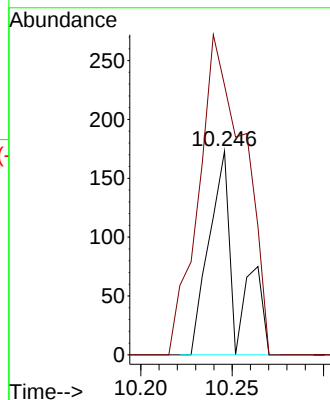
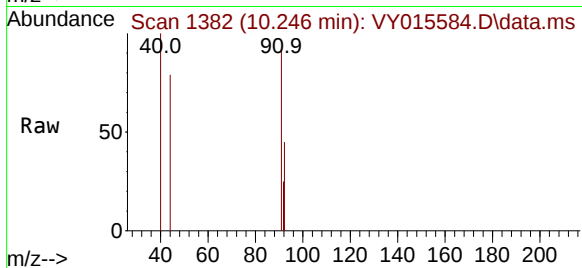
BFB

Tgt Ion: 92 Resp: 182

Ion Ratio Lower Upper

92 100

91 258.2 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 154.179 ug/l

RT: 10.575 min Scan# 1436

Delta R.T. 0.116 min

Lab File: VY015584.D

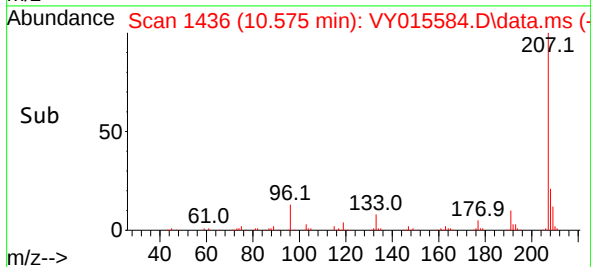
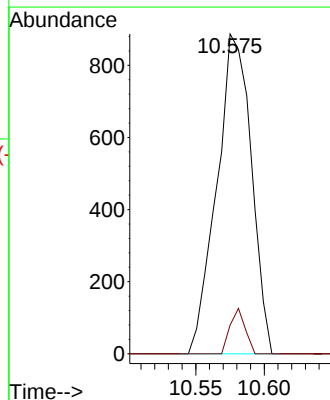
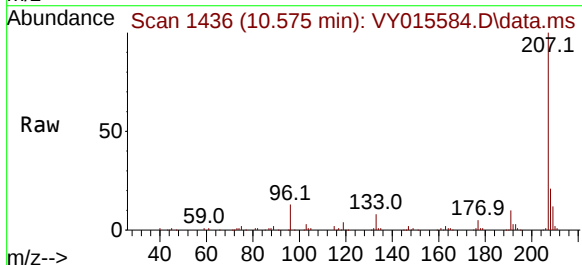
Acq: 15 Sep 2023 21:19

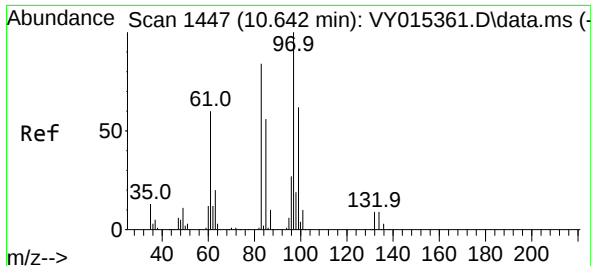
Tgt Ion: 75 Resp: 1553

Ion Ratio Lower Upper

75 100

77 9.0 25.0 37.4#

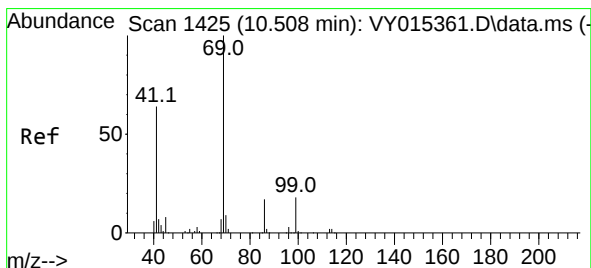
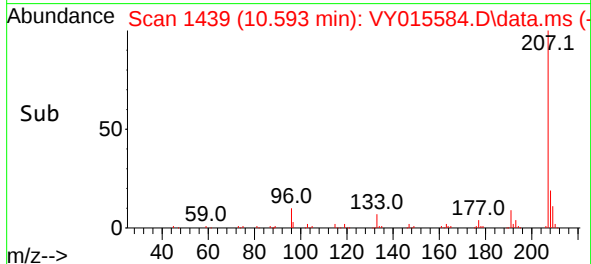
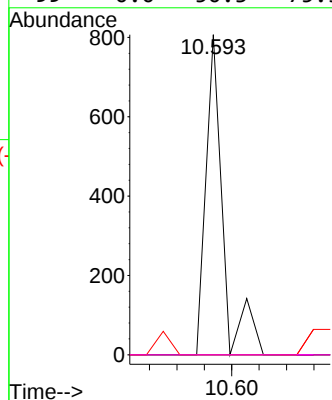
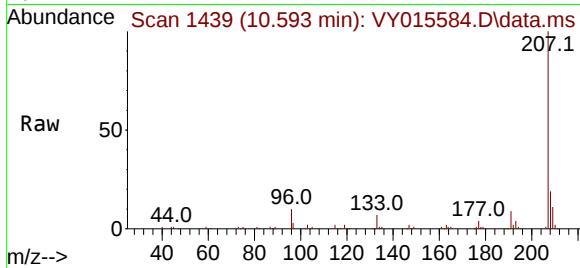




#55
1,1,2-Trichloroethane
Concen: 58.107 ug/l
RT: 10.593 min Scan# 1447
Delta R.T. -0.049 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

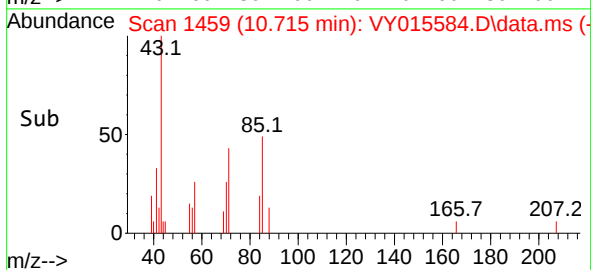
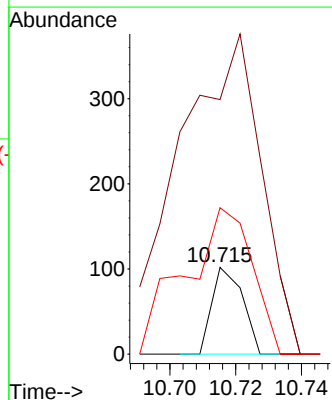
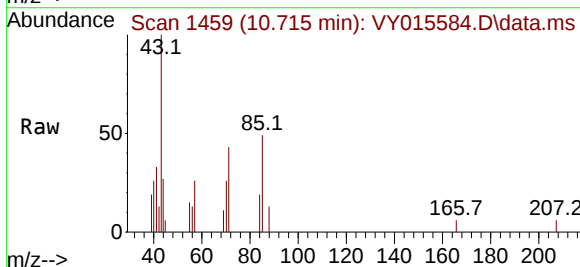
Instrument :
MSVOA_Y
ClientSampleId :
BFB

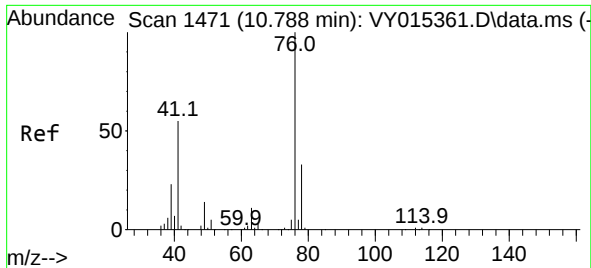
Tgt Ion: 97	Resp: 347
Ion Ratio	Lower Upper
97 100	
83 0.0	72.0 108.0#
85 0.0	45.4 68.0#
99 0.0	50.3 75.5#



#56
Ethyl methacrylate
Concen: 7.458 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.207 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 69	Resp: 66
Ion Ratio	Lower Upper
69 100	
41 993.9	57.6 86.4#
39 372.7	34.1 51.1#





#57

1,3-Dichloropropane

Concen: 8.852 ug/l

RT: 10.953 min Scan# 1471

Delta R.T. 0.165 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

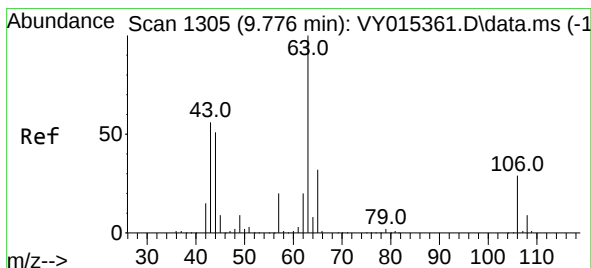
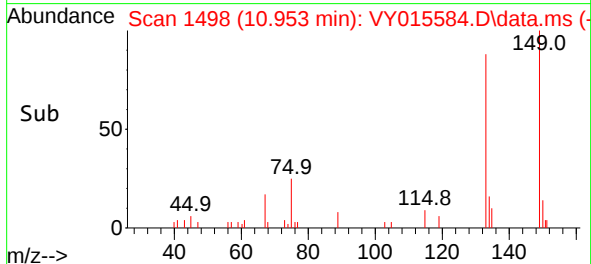
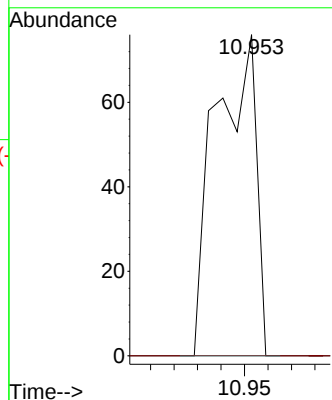
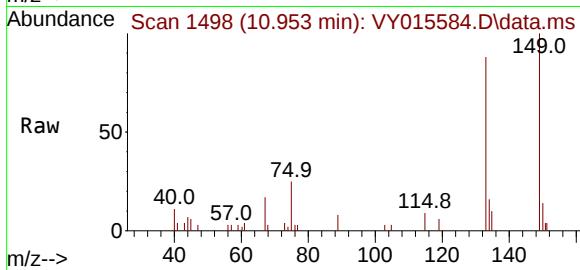
BFB

Tgt Ion: 76 Resp: 91

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 12.663 ug/l

RT: 9.795 min Scan# 1308

Delta R.T. 0.018 min

Lab File: VY015584.D

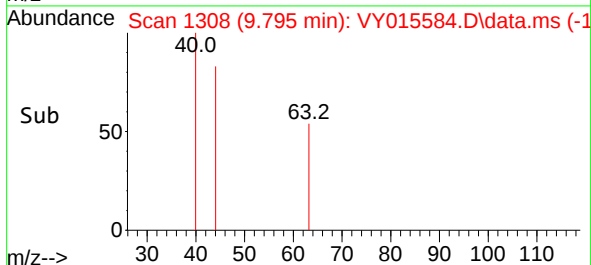
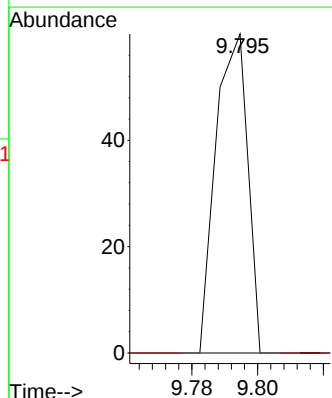
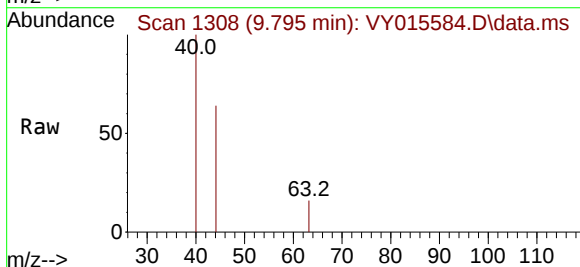
Acq: 15 Sep 2023 21:19

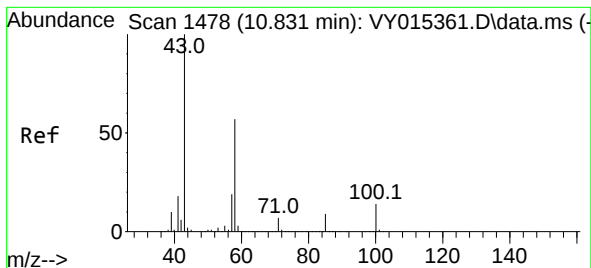
Tgt Ion: 63 Resp: 40

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

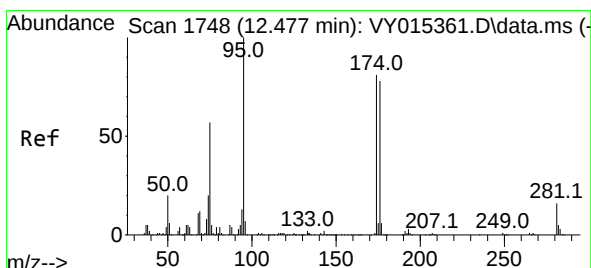
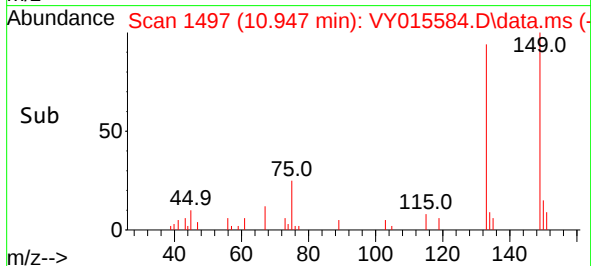
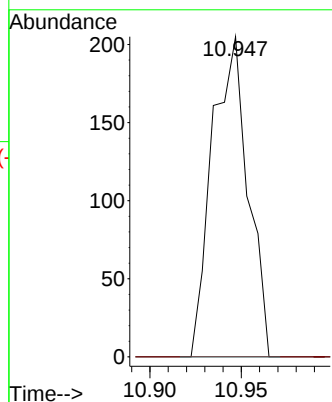
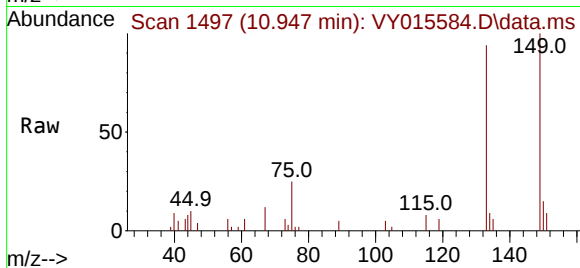




#59
2-Hexanone
Concen: 50.746 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. 0.116 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

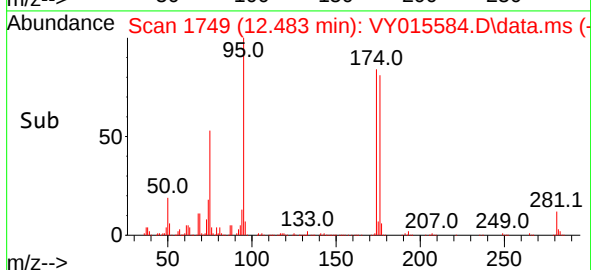
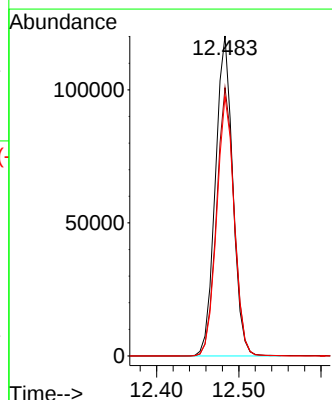
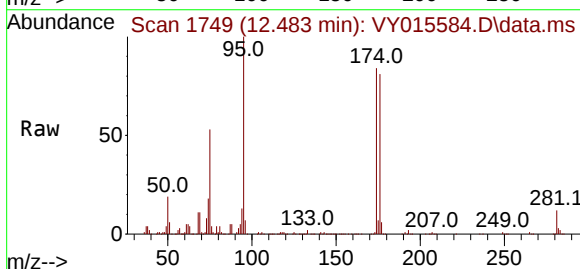
Instrument :
MSVOA_Y
ClientSampleId :
BFB

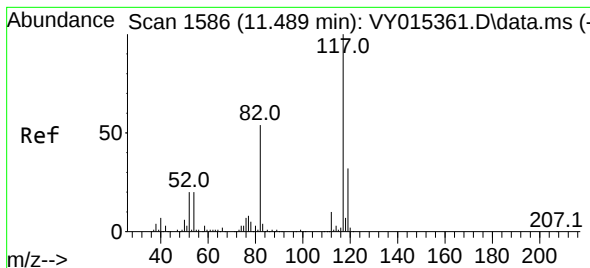
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 24276.489 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 95 Resp: 176327
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

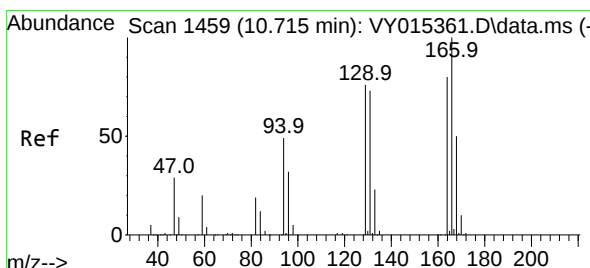
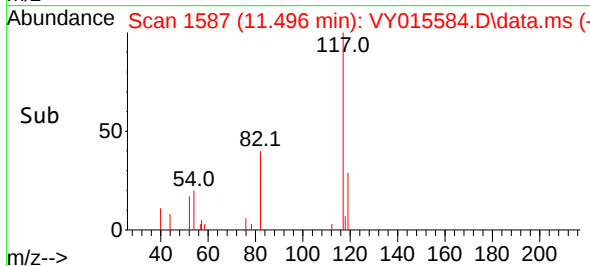
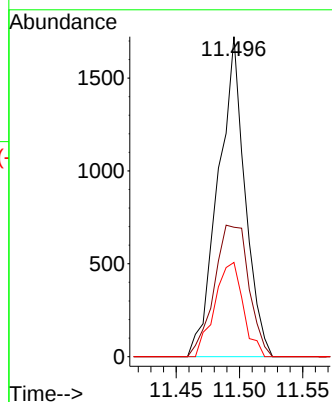
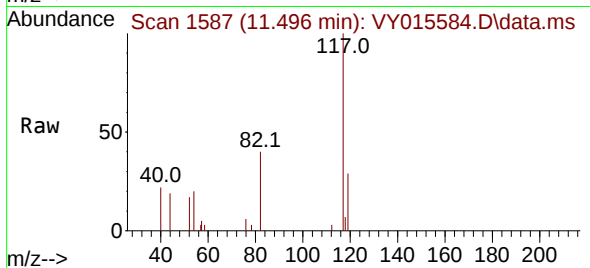
Tgt Ion:117 Resp: 2537

Ion Ratio Lower Upper

117 100

82 40.5 43.4 65.0#

119 29.4 26.3 39.5



#64

Tetrachloroethene

Concen: 18.760 ug/l

RT: 10.575 min Scan# 1436

Delta R.T. -0.140 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Tgt Ion:164 Resp: 432

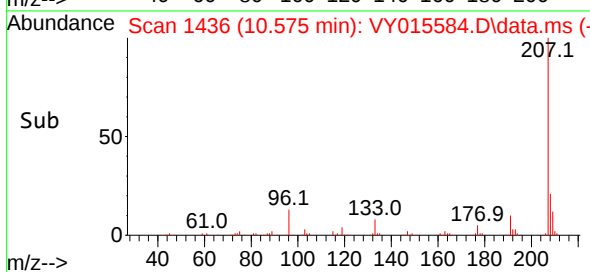
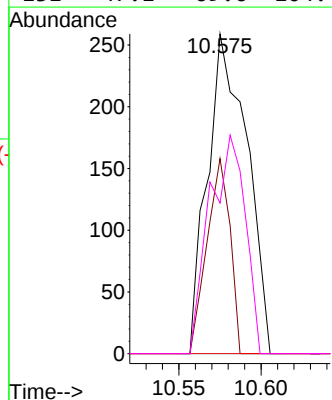
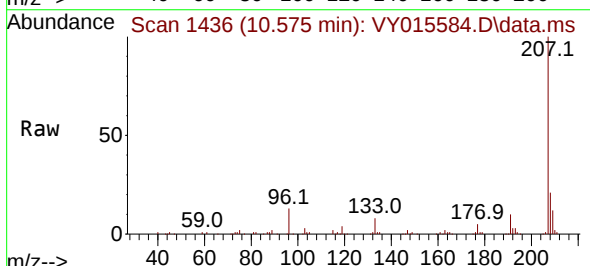
Ion Ratio Lower Upper

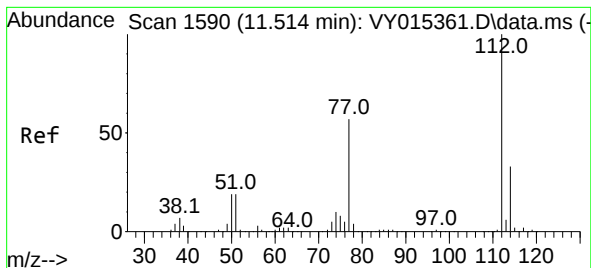
164 100

166 61.0 103.0 154.6#

129 0.0 77.2 115.8#

131 47.1 69.6 104.4#





#65

Chlorobenzene

Concen: 2.671 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

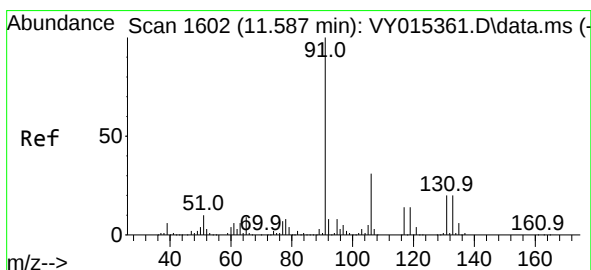
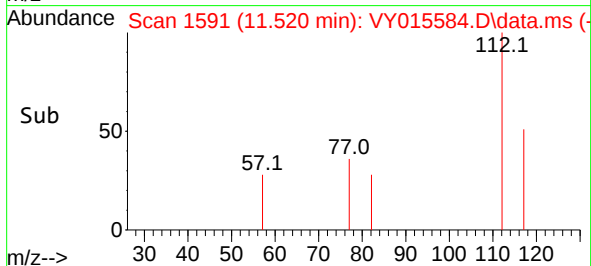
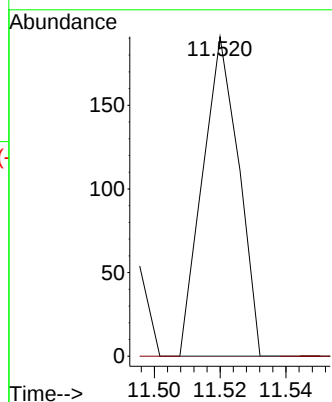
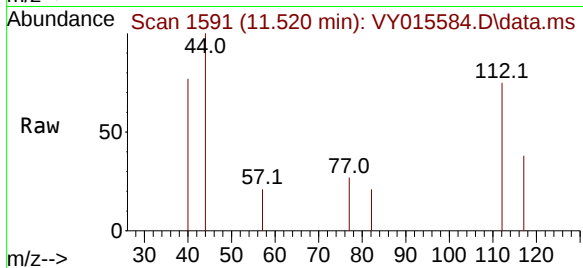
BFB

Tgt Ion:112 Resp: 146

Ion Ratio Lower Upper

112 100

114 0.0 25.5 38.3#



#67

Ethyl Benzene

Concen: 4.329 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015584.D

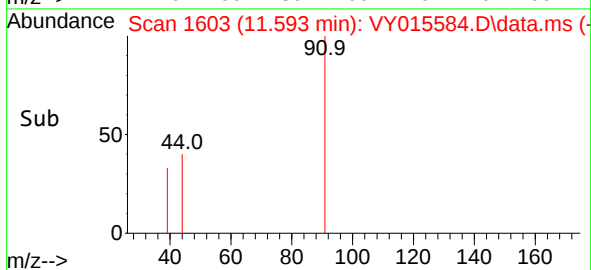
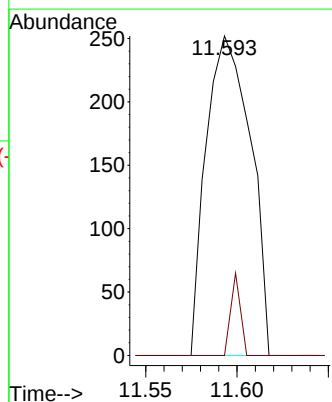
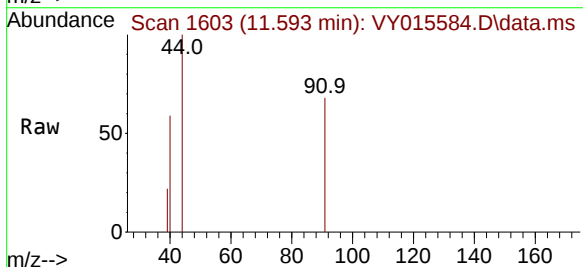
Acq: 15 Sep 2023 21:19

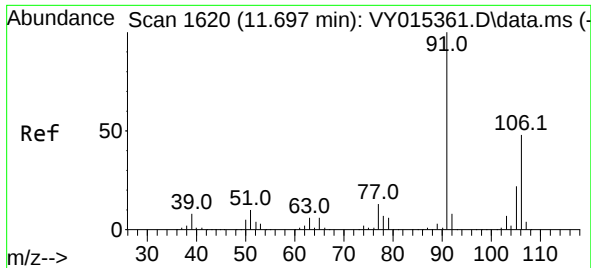
Tgt Ion: 91 Resp: 425

Ion Ratio Lower Upper

91 100

106 0.0 24.6 36.8#

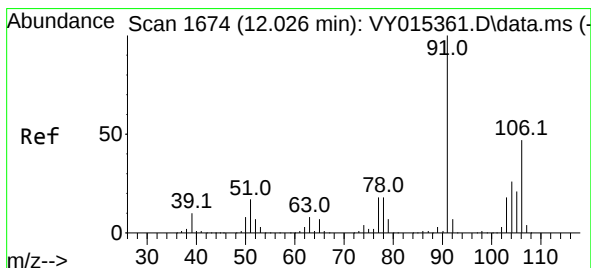
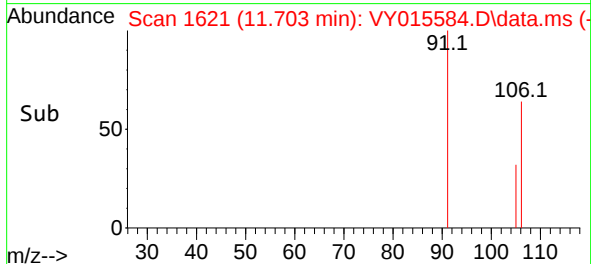
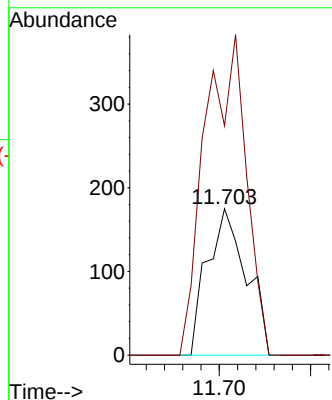
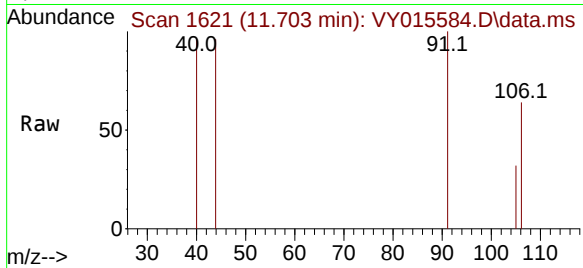




#68
m/p-Xylenes
Concen: 6.859 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

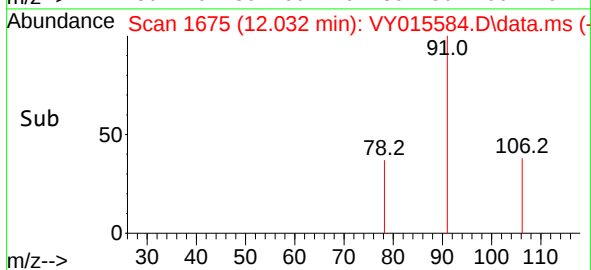
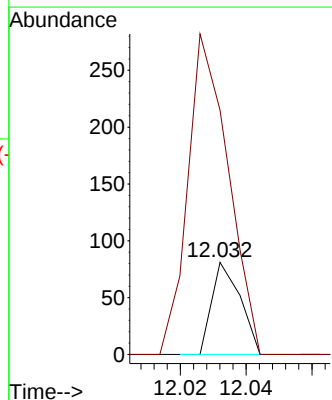
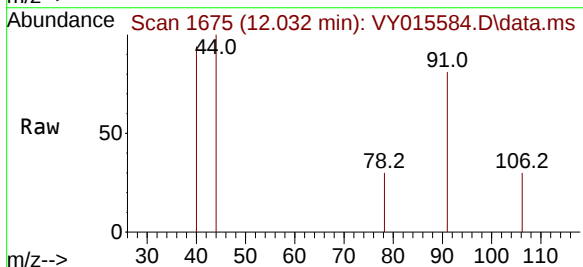
Instrument :
MSVOA_Y
ClientSampleId :
BFB

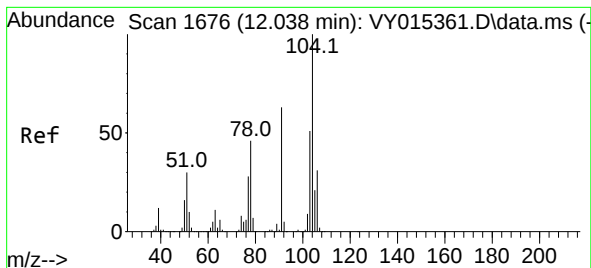
Tgt Ion:106 Resp: 261
Ion Ratio Lower Upper
106 100
91 229.9 166.1 249.1



#69
o-Xylene
Concen: 1.347 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion:106 Resp: 49
Ion Ratio Lower Upper
106 100
91 491.8 108.1 324.3#





#70

Styrene

Concen: 3.222 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

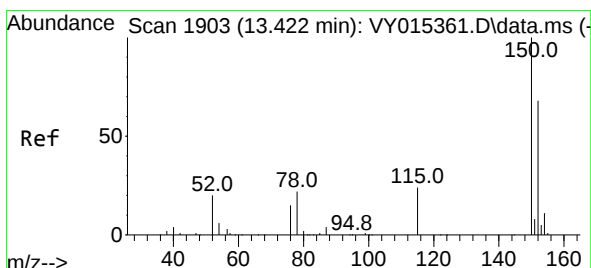
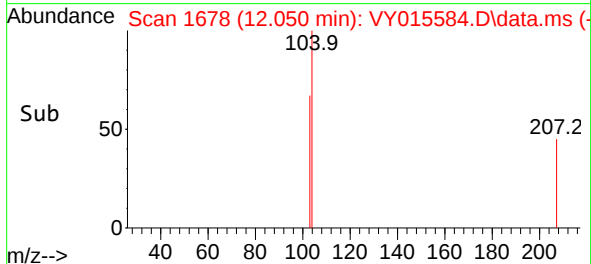
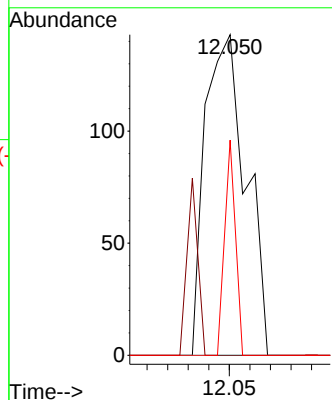
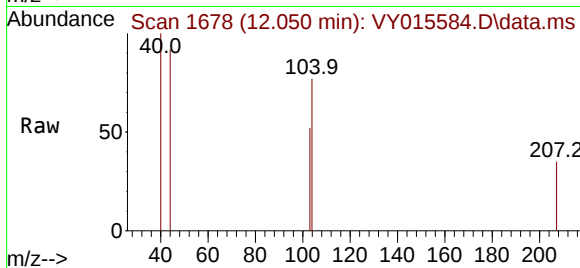
Tgt Ion:104 Resp: 197

Ion Ratio Lower Upper

104 100

78 14.7 41.5 62.3#

103 17.8 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

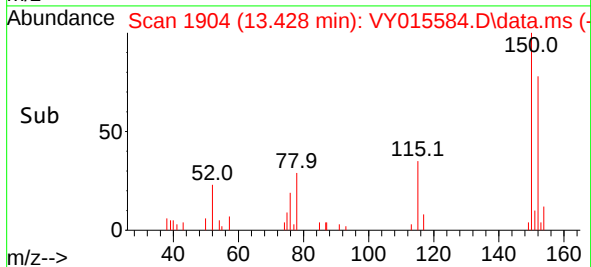
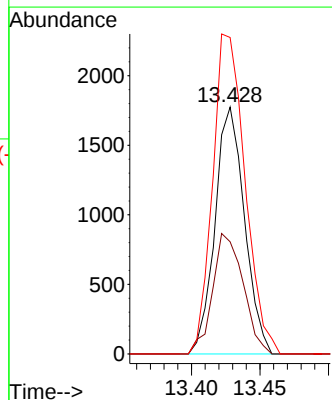
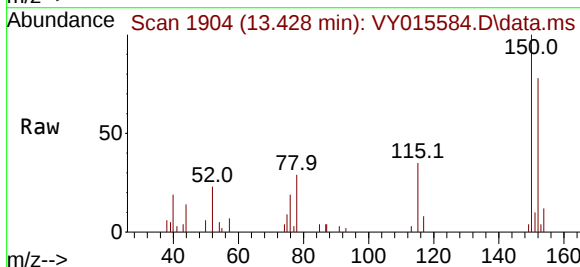
Tgt Ion:152 Resp: 2657

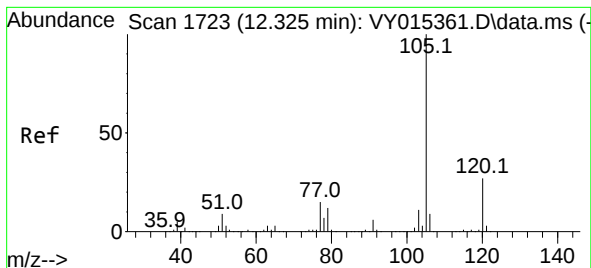
Ion Ratio Lower Upper

152 100

115 50.4 28.8 86.5

150 142.3 0.0 348.8





#73

Isopropylbenzene

Concen: 3.693 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

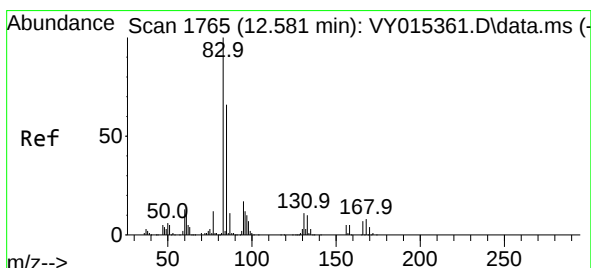
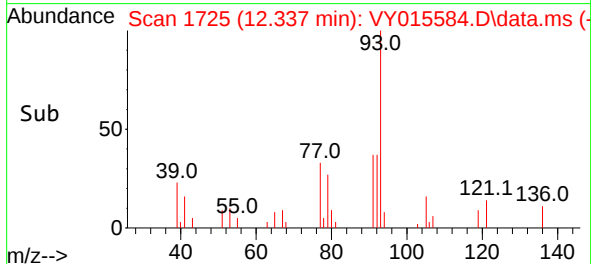
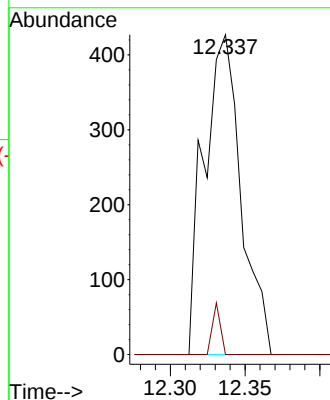
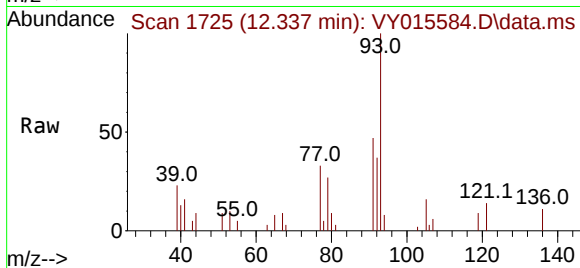
BFB

Tgt Ion:105 Resp: 737

Ion Ratio Lower Upper

105 100

120 3.4 13.3 39.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 4.597 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.098 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

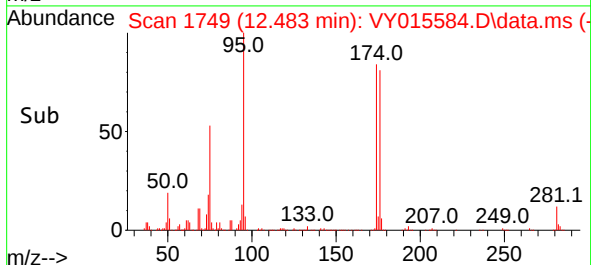
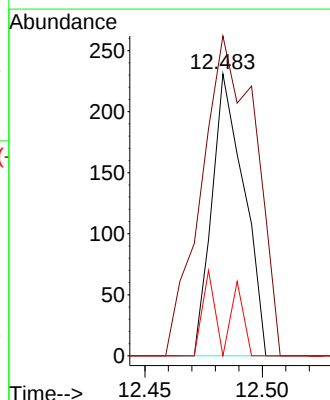
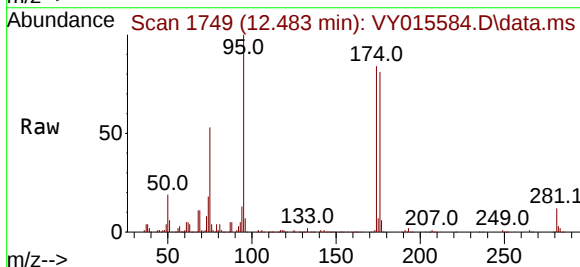
Tgt Ion: 83 Resp: 219

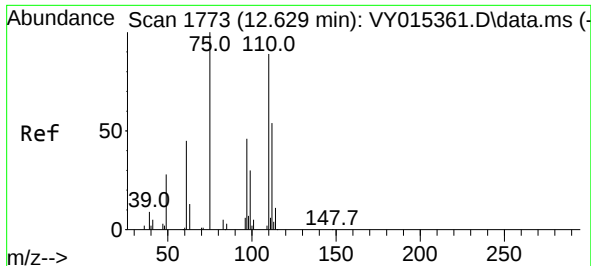
Ion Ratio Lower Upper

83 100

131 190.9 5.4 16.2#

85 21.9 31.8 95.4#

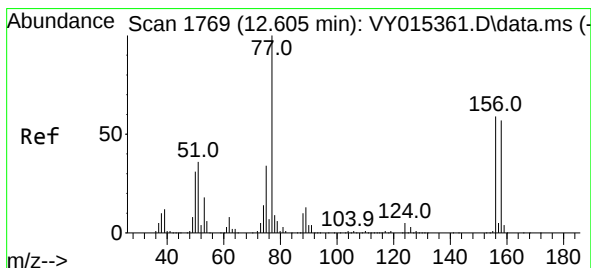
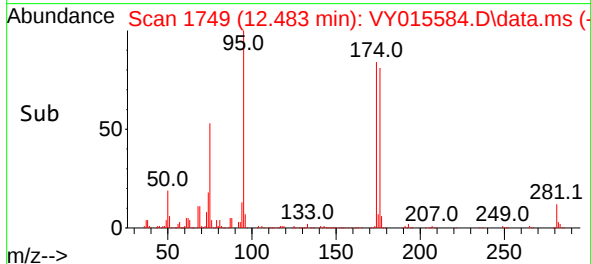
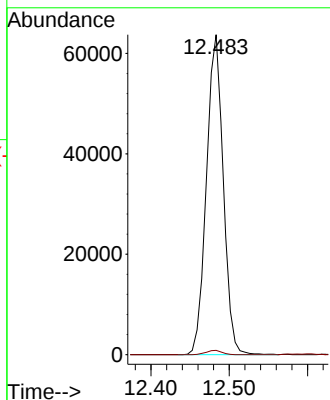
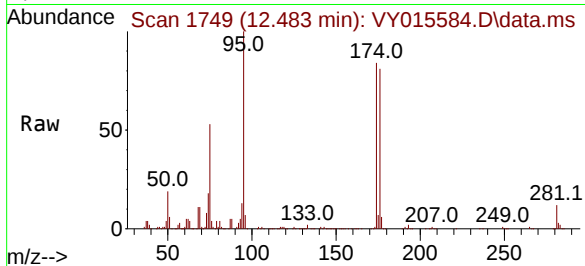




#76
1,2,3-Trichloropropane
Concen: 2694.820 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.146 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

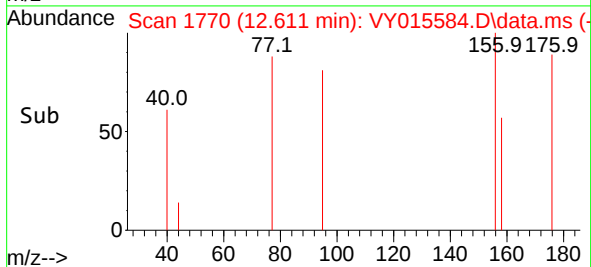
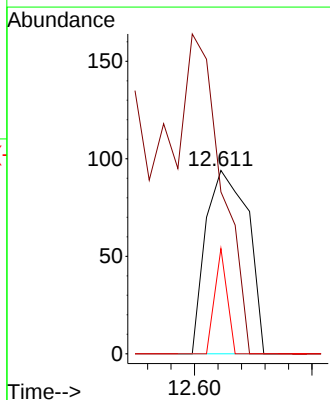
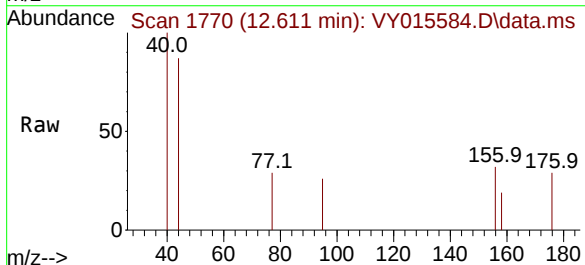
Instrument :
MSVOA_Y
ClientSampleId :
BFB

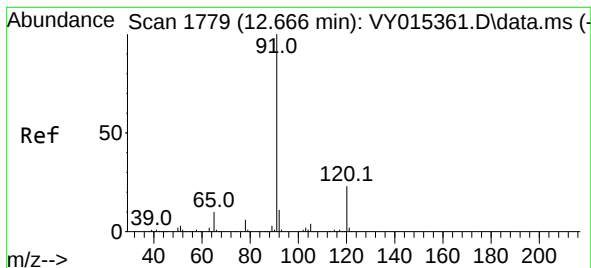
Tgt Ion: 75 Resp: 94951
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#77
Bromobenzene
Concen: 2.475 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 156 Resp: 117
Ion Ratio Lower Upper
156 100
77 145.3 92.8 278.6
158 17.1 48.4 145.3#





#78

n-propylbenzene

Concen: 2.228 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.012 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

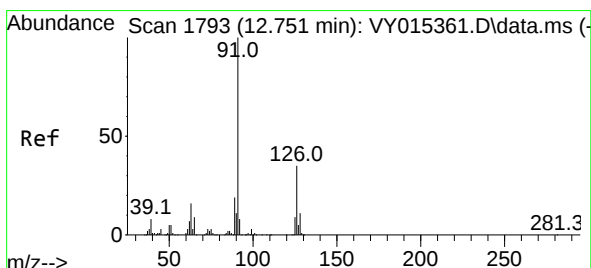
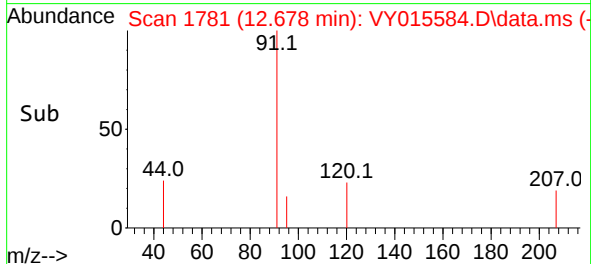
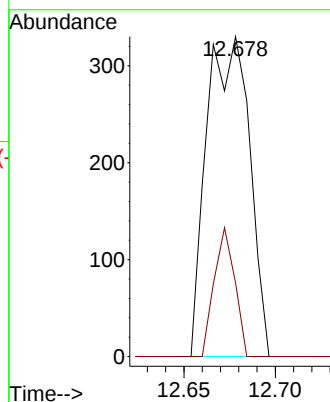
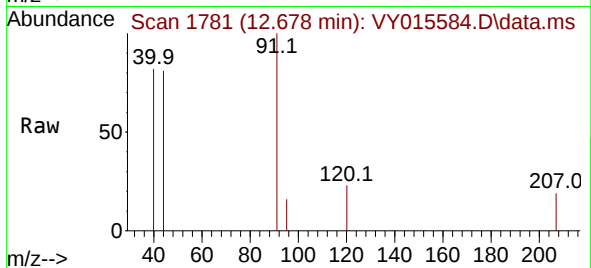
BFB

Tgt Ion: 91 Resp: 538

Ion Ratio Lower Upper

91 100

120 19.3 11.5 34.4



#79

2-Chlorotoluene

Concen: 6.216 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.268 min

Lab File: VY015584.D

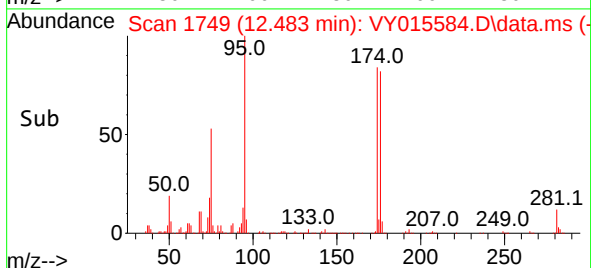
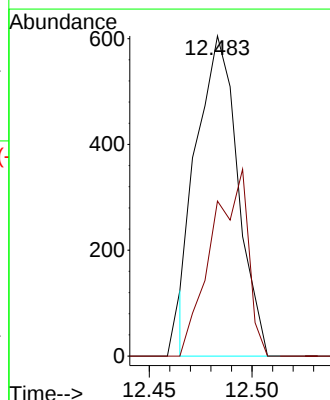
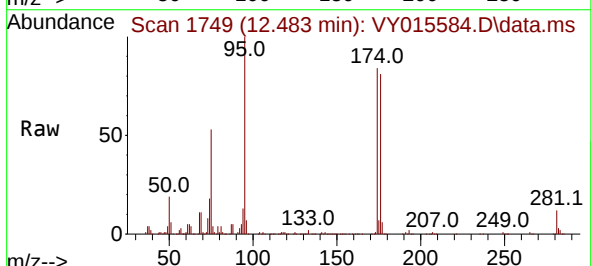
Acq: 15 Sep 2023 21:19

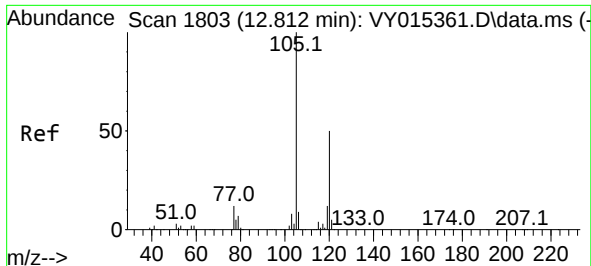
Tgt Ion: 91 Resp: 842

Ion Ratio Lower Upper

91 100

126 51.7 17.3 51.7

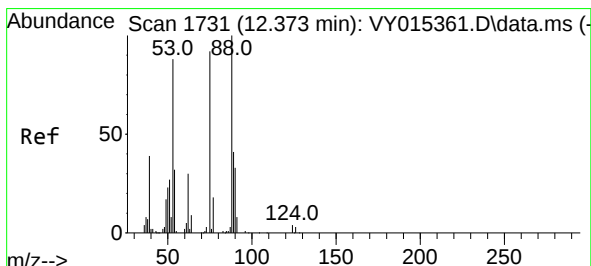
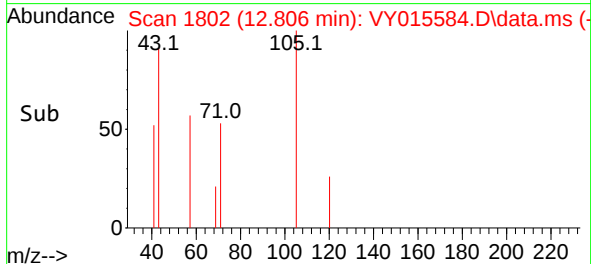
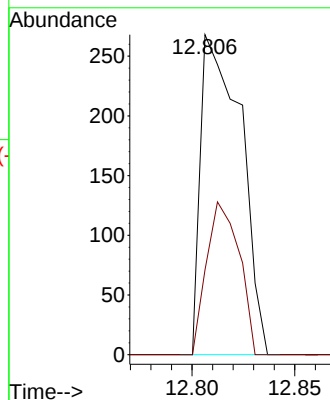
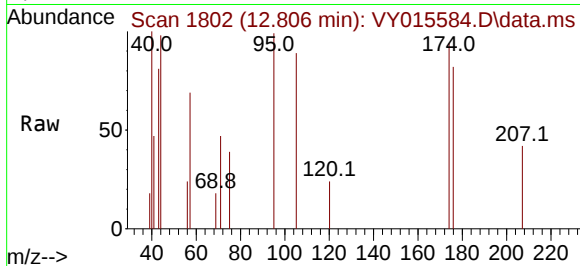




#80
 1,3,5-Trimethylbenzene
 Concen: 2.181 ug/l
 RT: 12.806 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: VY015584.D
 Acq: 15 Sep 2023 21:19

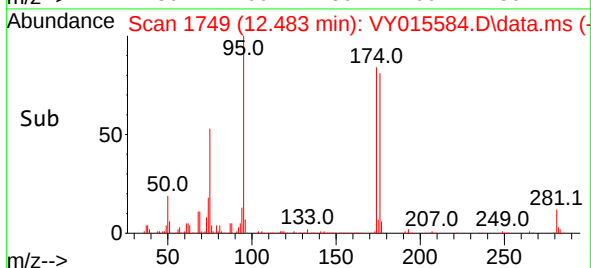
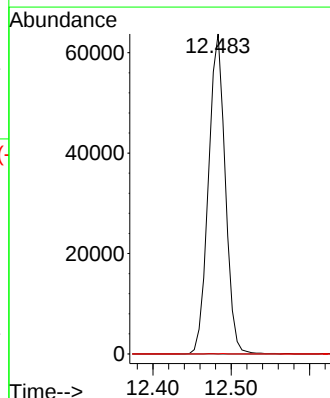
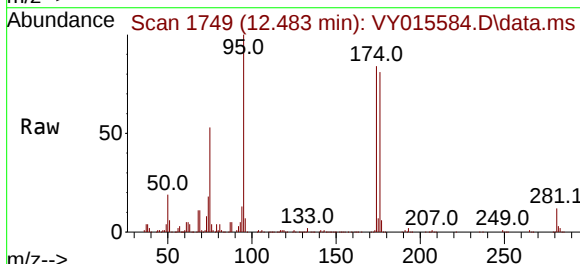
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

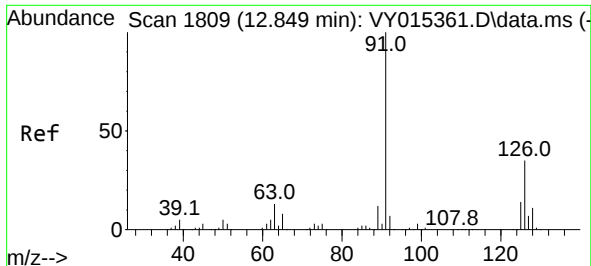
Tgt Ion:105 Resp: 364
 Ion Ratio Lower Upper
 105 100
 120 38.7 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5944.486 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY015584.D
 Acq: 15 Sep 2023 21:19

Tgt Ion: 75 Resp: 94951
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

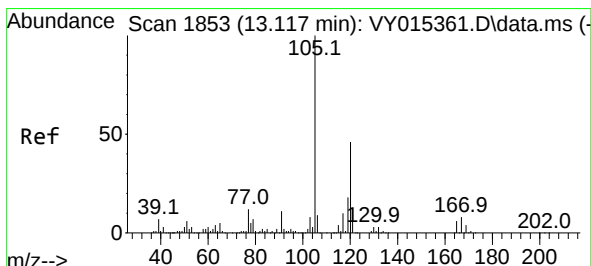
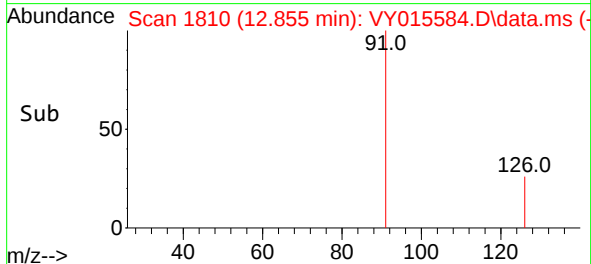
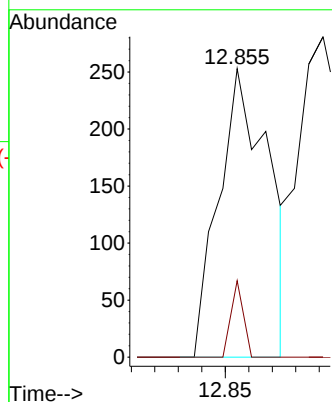
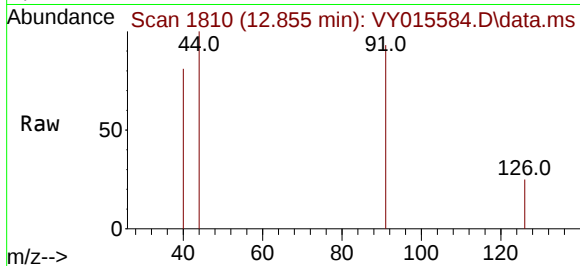




#82
4-Chlorotoluene
Concen: 2.657 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

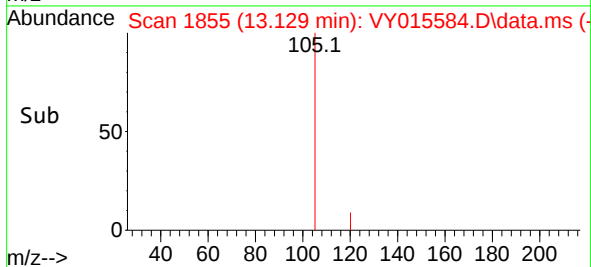
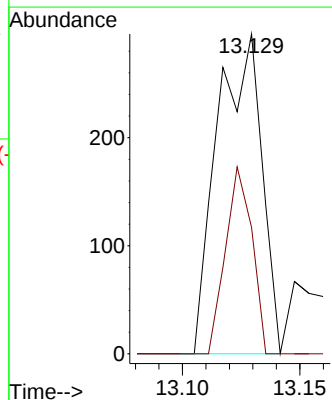
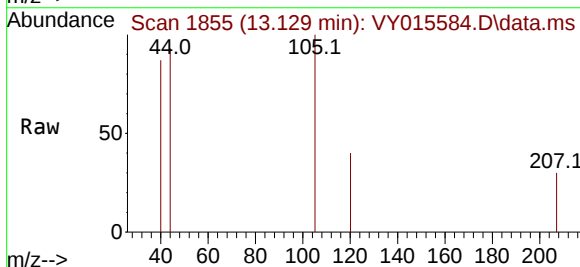
Instrument :
MSVOA_Y
ClientSampleId :
BFB

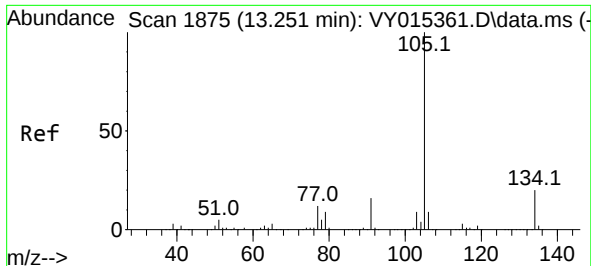
Tgt Ion: 91 Resp: 374
Ion Ratio Lower Upper
91 100
126 6.7 17.2 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.341 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY015584.D
Acq: 15 Sep 2023 21:19

Tgt Ion: 105 Resp: 388
Ion Ratio Lower Upper
105 100
120 34.8 22.2 66.6

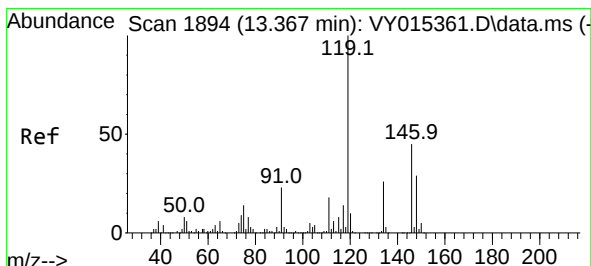
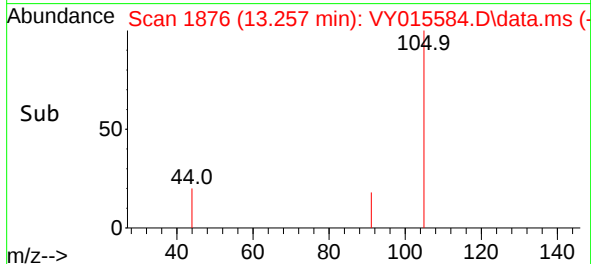
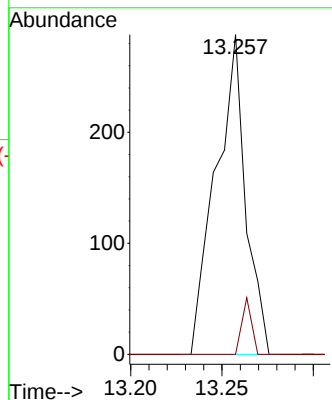
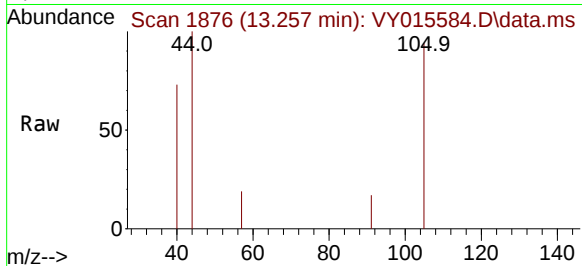




#85
 sec-Butylbenzene
 Concen: 1.499 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY015584.D
 Acq: 15 Sep 2023 21:19

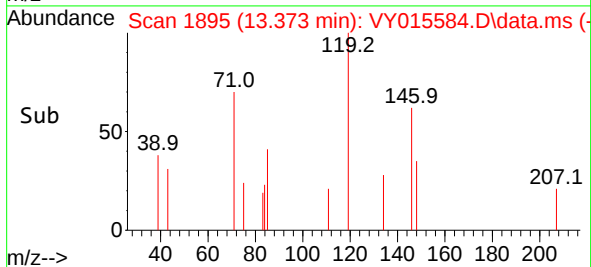
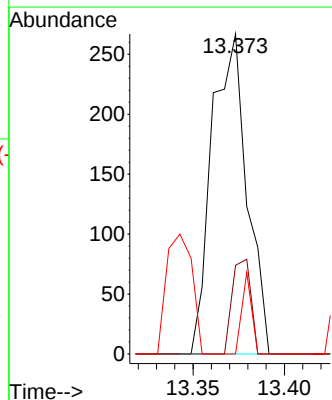
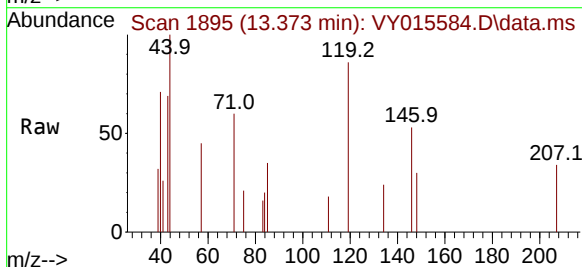
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

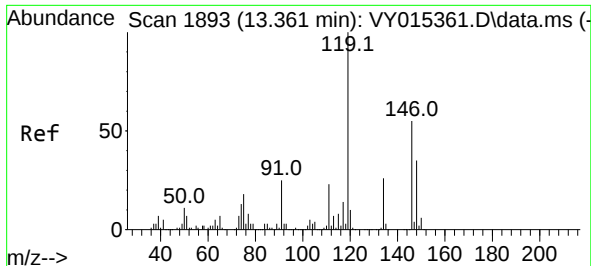
Tgt Ion:105 Resp: 327
 Ion Ratio Lower Upper
 105 100
 134 5.8 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 1.948 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY015584.D
 Acq: 15 Sep 2023 21:19

Tgt Ion:119 Resp: 356
 Ion Ratio Lower Upper
 119 100
 134 15.7 13.3 39.8
 91 7.0 12.4 37.4#





#87

1,3-Dichlorobenzene

Concen: 3.590 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

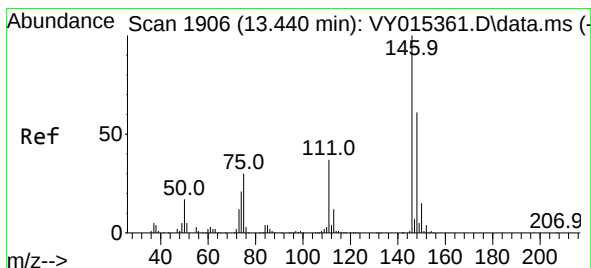
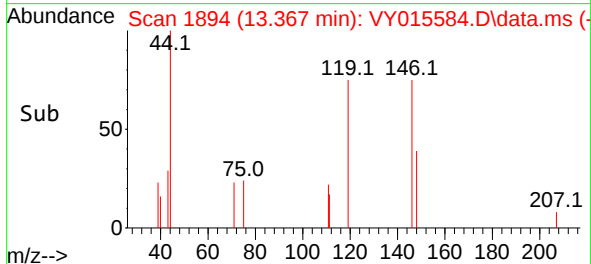
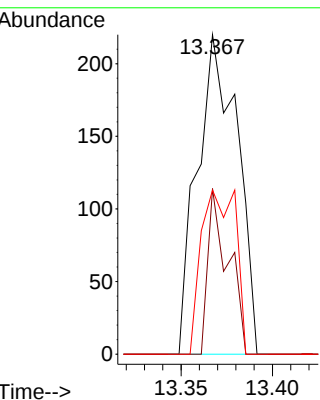
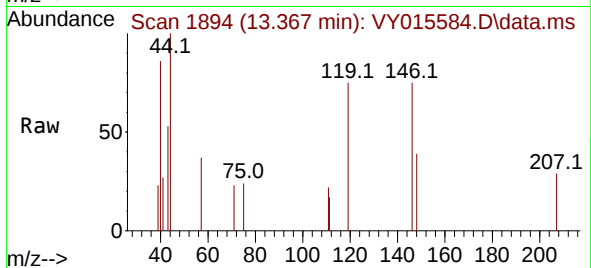
Tgt Ion:146 Resp: 335

Ion Ratio Lower Upper

146 100

111 26.3 19.4 58.2

148 44.2 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 3.753 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

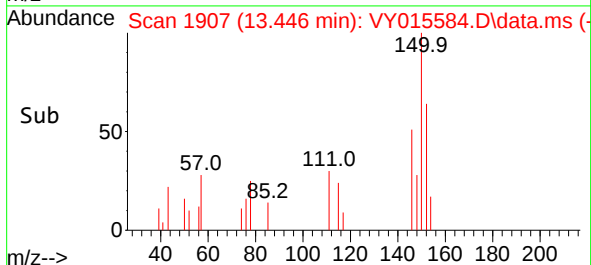
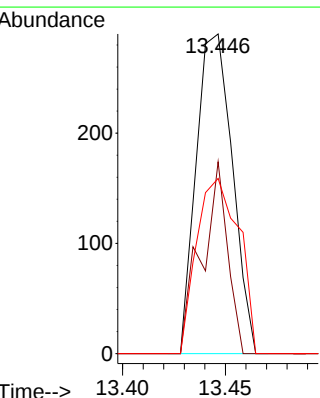
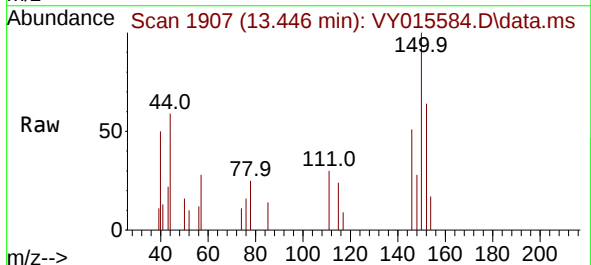
Tgt Ion:146 Resp: 354

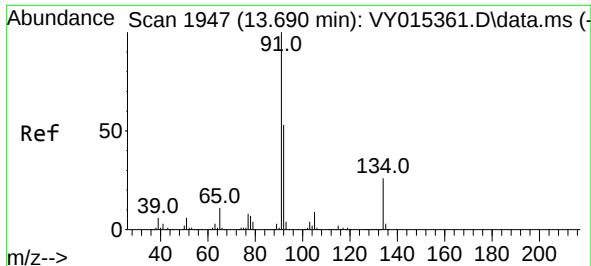
Ion Ratio Lower Upper

146 100

111 42.9 18.9 56.7

148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 3.116 ug/l

RT: 13.696 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

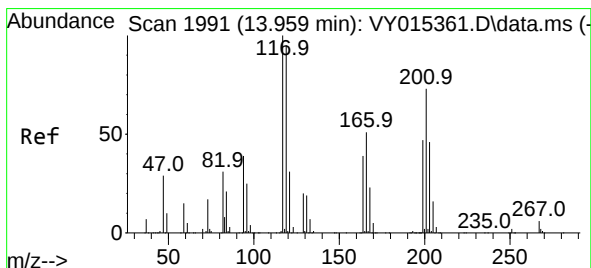
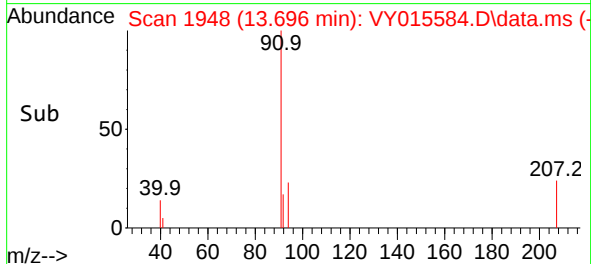
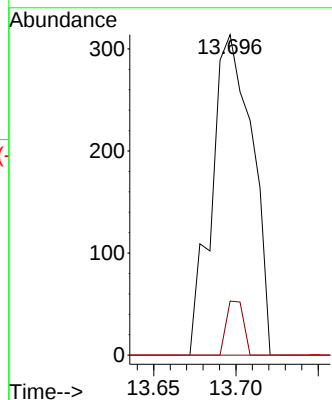
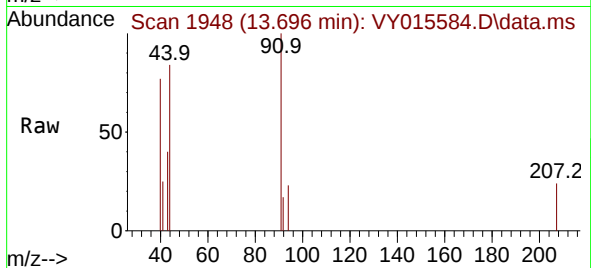
Tgt Ion: 91 Resp: 536

Ion Ratio Lower Upper

91 100

92 7.1 25.4 76.0#

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 1.346 ug/l

RT: 13.952 min Scan# 1990

Delta R.T. -0.006 min

Lab File: VY015584.D

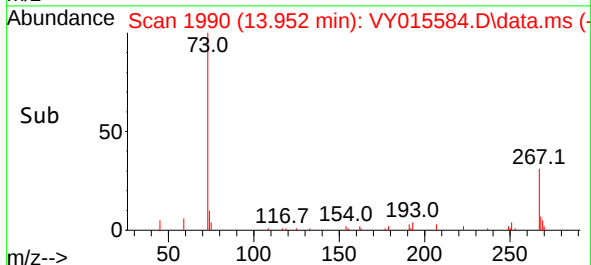
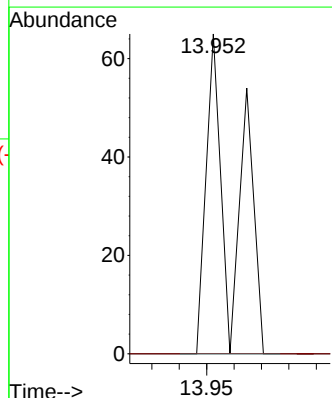
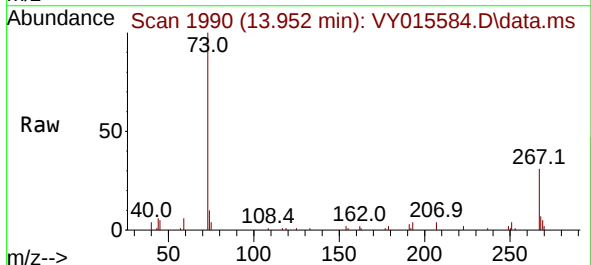
Acq: 15 Sep 2023 21:19

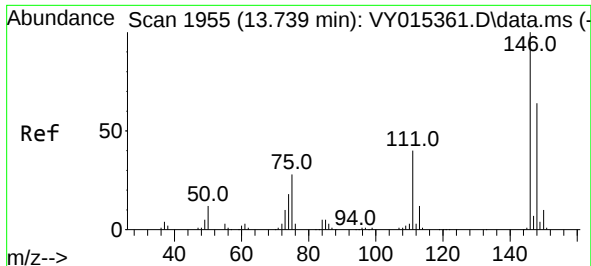
Tgt Ion: 117 Resp: 44

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#





#91

1,2-Dichlorobenzene

Concen: 2.525 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

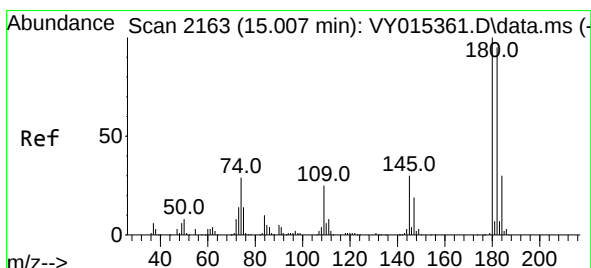
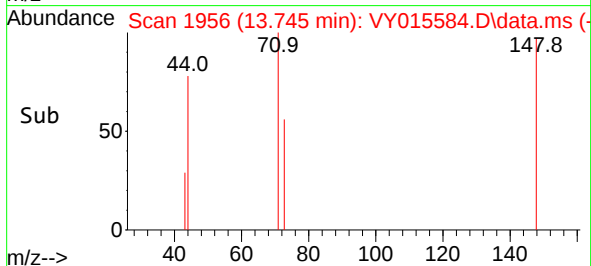
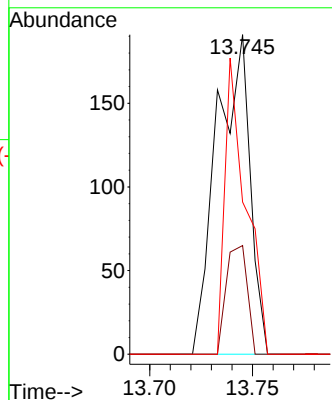
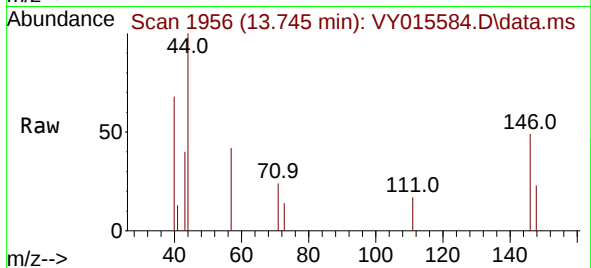
Tgt Ion:146 Resp: 215

Ion Ratio Lower Upper

146 100

111 21.4 19.7 59.0

148 58.1 32.0 96.2



#93

1,2,4-Trichlorobenzene

Concen: 6.563 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.018 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

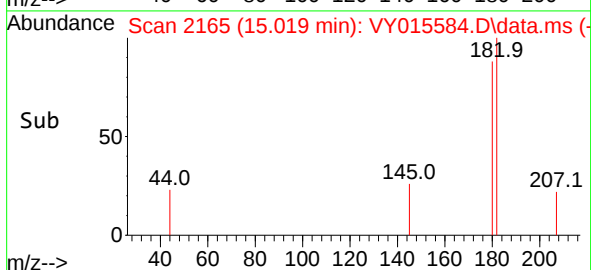
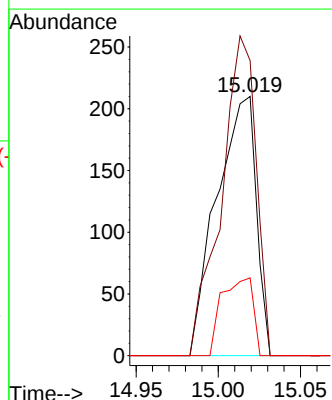
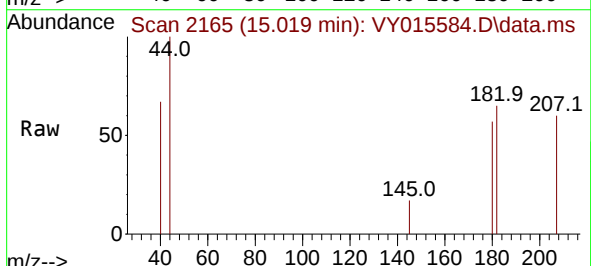
Tgt Ion:180 Resp: 351

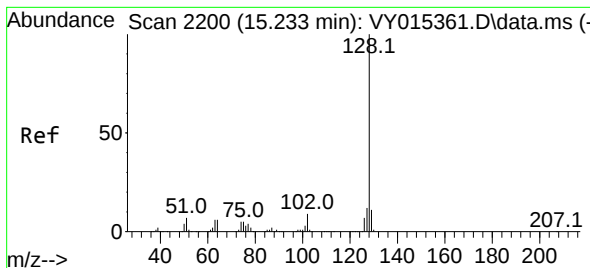
Ion Ratio Lower Upper

180 100

182 109.1 47.0 141.2

145 23.6 14.5 43.5





#95

Naphthalene

Concen: 12.840 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Instrument :

MSVOA_Y

ClientSampleId :

BFB

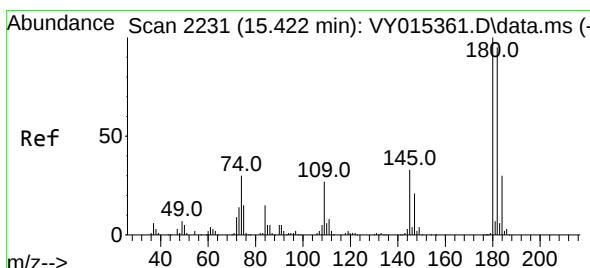
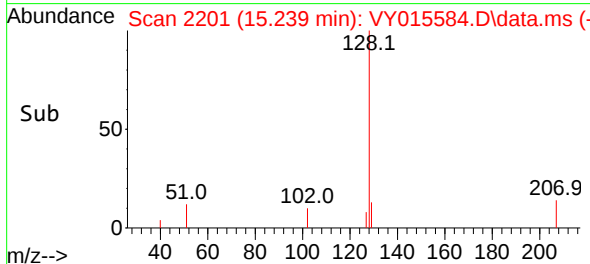
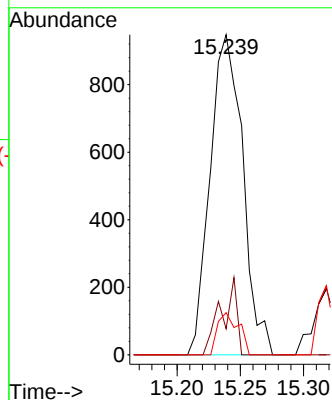
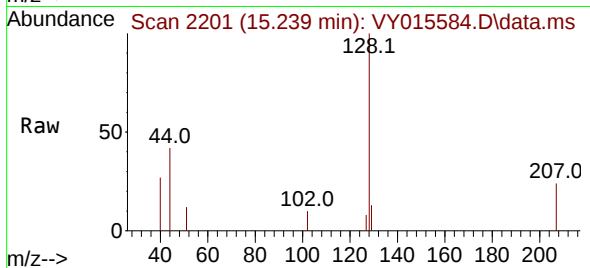
Tgt Ion:128 Resp: 1701

Ion Ratio Lower Upper

128 100

127 11.4 10.8 16.2

129 8.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 7.298 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY015584.D

Acq: 15 Sep 2023 21:19

Tgt Ion:180 Resp: 356

Ion Ratio Lower Upper

180 100

182 79.5 47.3 141.8

145 14.3 15.4 46.2#

