

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015101.D
 Acq On : 15 Aug 2023 14:20
 Operator : SY/MD
 Sample : 03961-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Quant Time: Aug 15 15:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

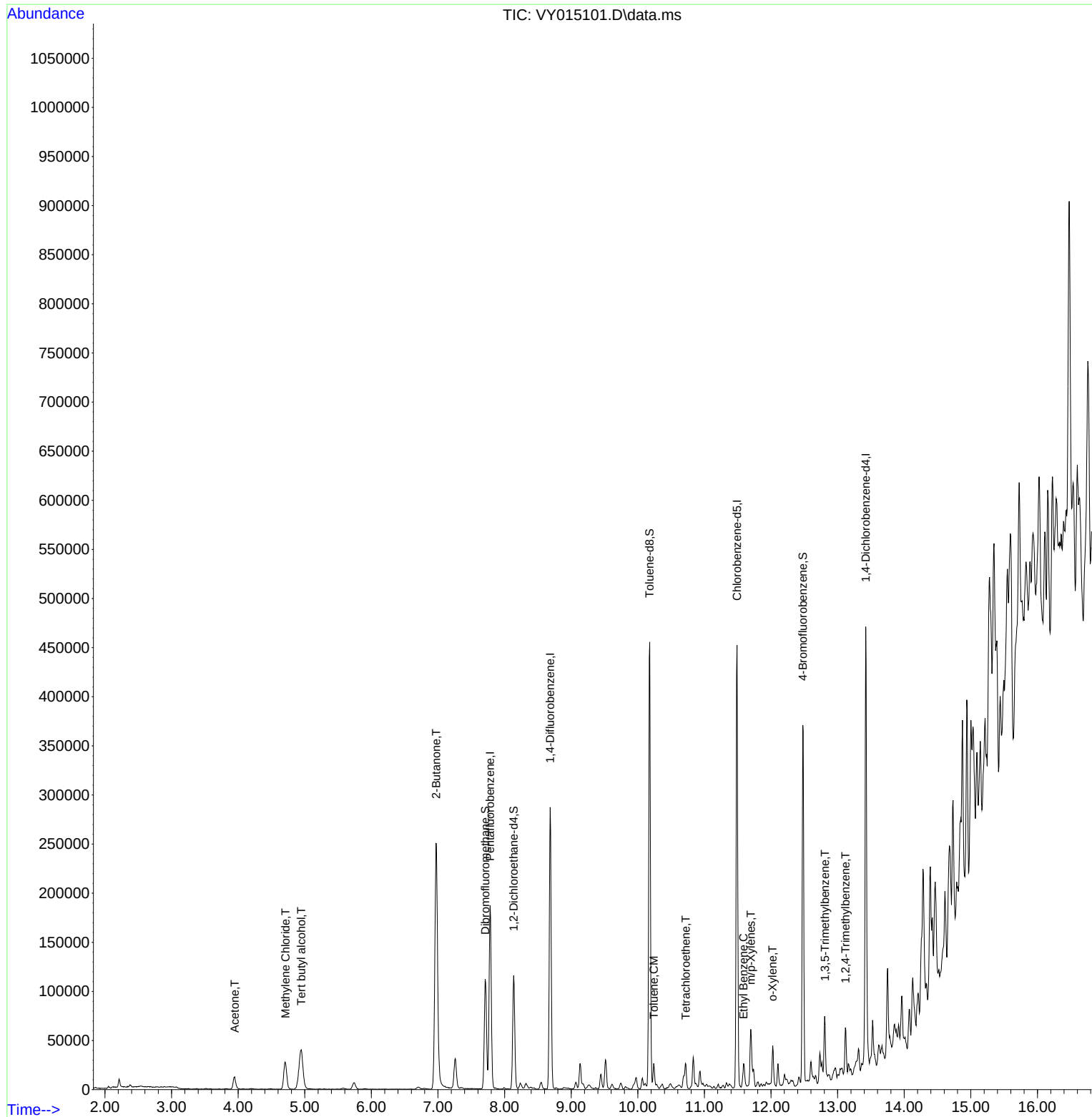
Internal Standards						
1) Pentafluorobenzene	7.783	168	146171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89612	51.071	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 102.140%		
35) Dibromofluoromethane	7.710	113	78799	49.384	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 98.760%		
50) Toluene-d8	10.179	98	300019	50.510	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.020%		
62) 4-Bromofluorobenzene	12.477	95	109371	50.413	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 100.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	82165	286.810	ug/l #	83
16) Acetone	3.948	43	22520	39.287	ug/l	99
20) Methylene Chloride	4.710	84	21546	12.431	ug/l	88
25) 2-Butanone	6.972	43	25621	31.568	ug/l	90
52) Toluene	10.240	92	10101	2.871	ug/l	92
64) Tetrachloroethene	10.721	164	3289	1.943	ug/l	96
67) Ethyl Benzene	11.587	91	14003	1.806	ug/l	96
68) m/p-Xylenes	11.697	106	17239	5.853	ug/l	97
69) o-Xylene	12.026	106	9669	3.296	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	7726	1.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	24604	3.949	ug/l	97

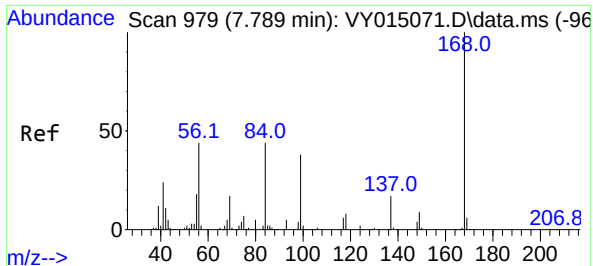
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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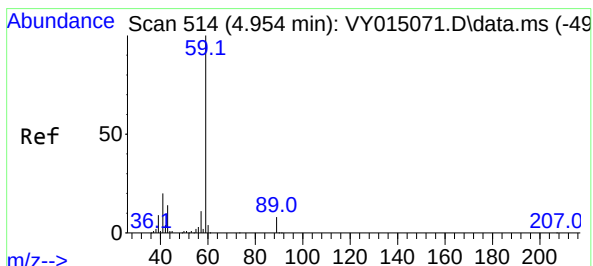
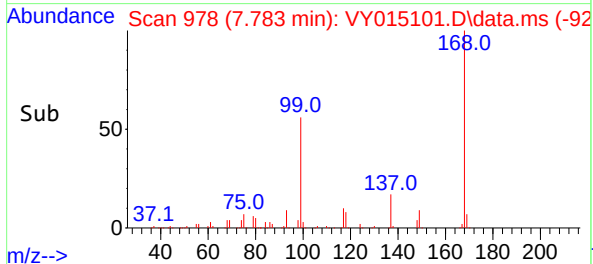
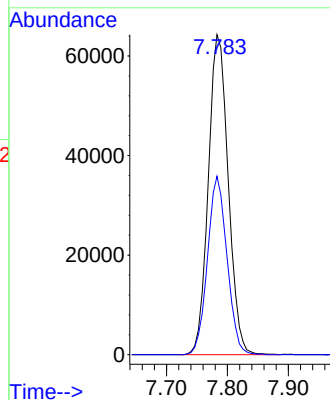
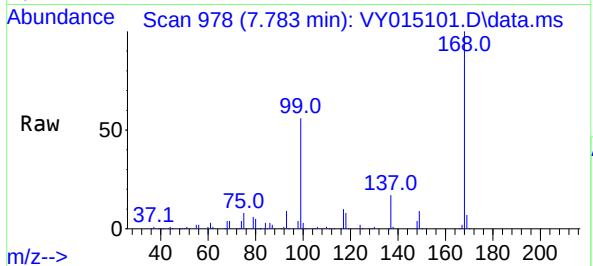




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

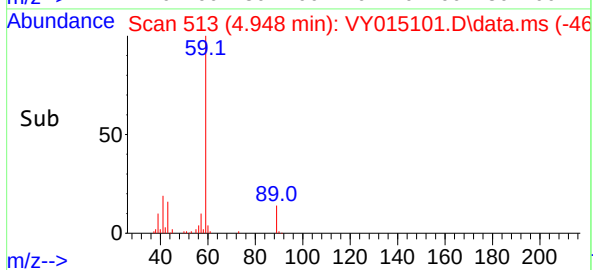
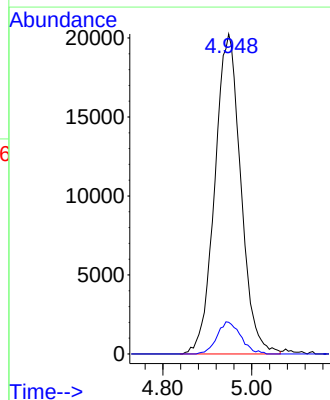
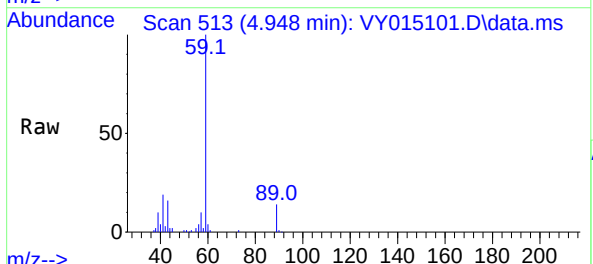
Instrument :
MSVOA_Y
ClientSampleId :
20071

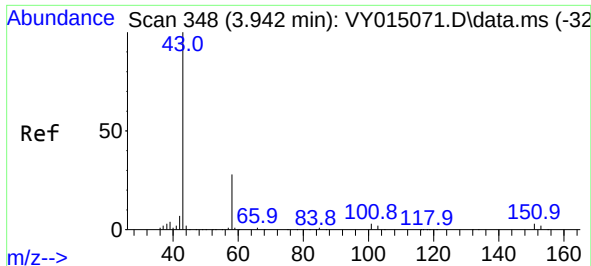
Tgt Ion:168 Resp: 146171
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 286.810 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 59 Resp: 82165
Ion Ratio Lower Upper
59 100
57 9.2 3.0 4.4#

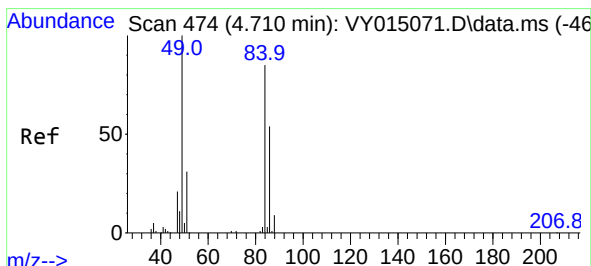
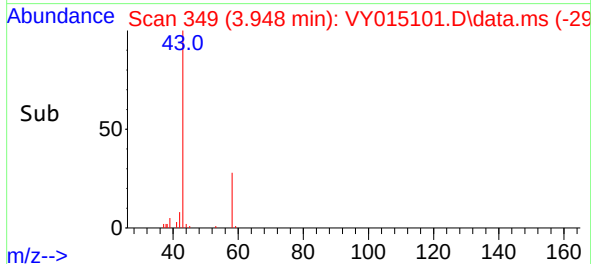
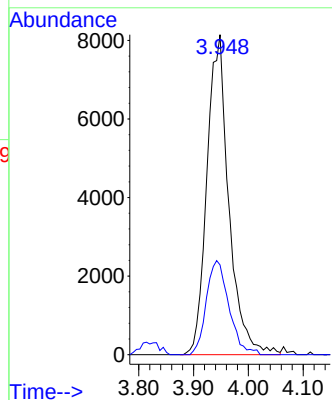
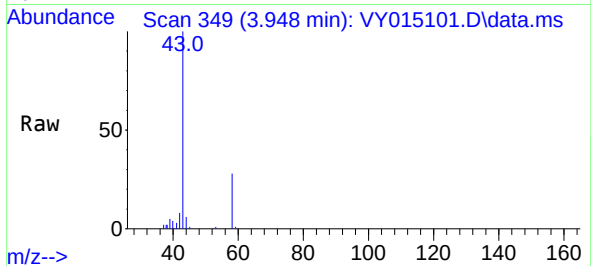




#16
Acetone
Concen: 39.287 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

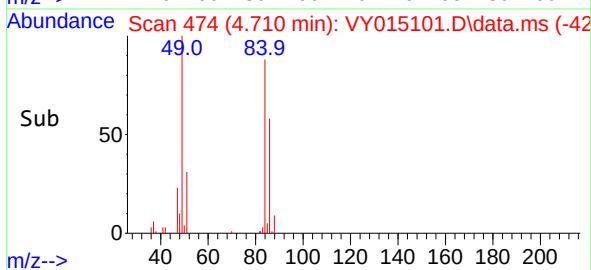
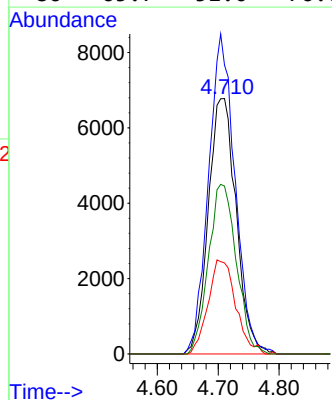
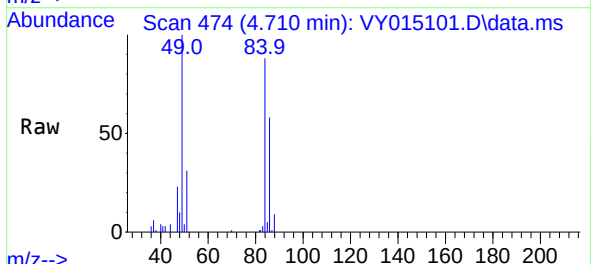
Instrument :
MSVOA_Y
ClientSampleId :
20071

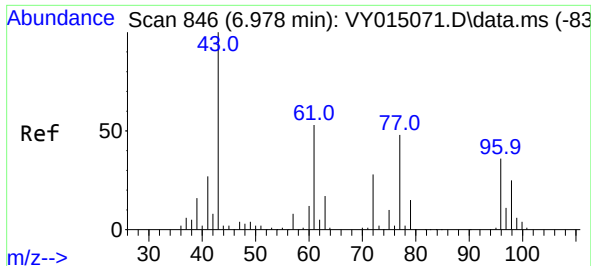
Tgt Ion: 43 Resp: 22520
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 12.431 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 84 Resp: 21546
Ion Ratio Lower Upper
84 100
49 113.1 106.9 160.3
51 35.6 33.2 49.8
86 65.7 51.0 76.6

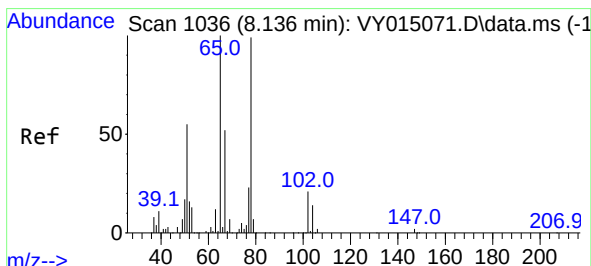
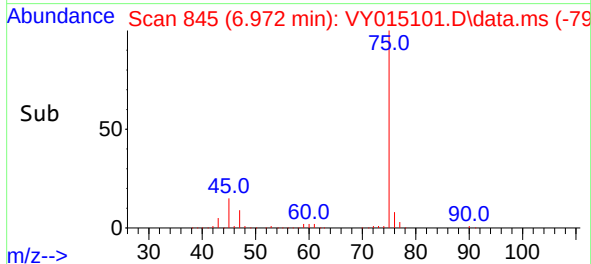
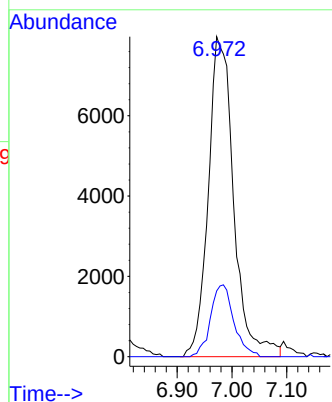
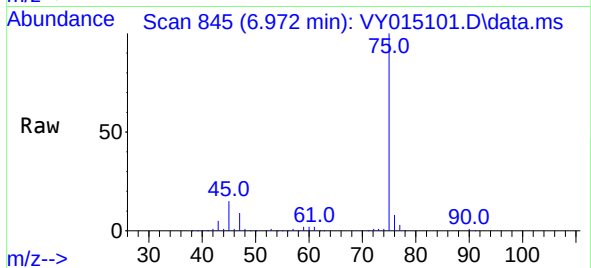




#25
2-Butanone
Concen: 31.568 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

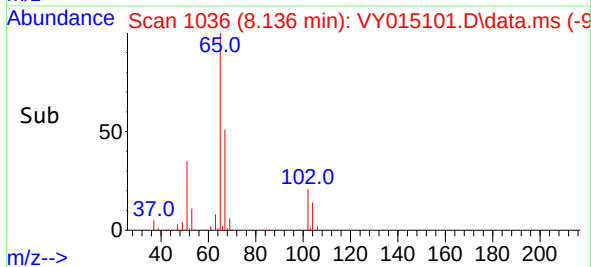
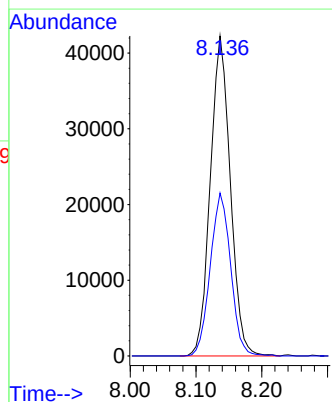
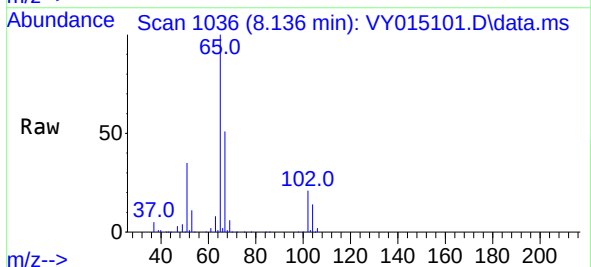
Instrument :
MSVOA_Y
ClientSampleId :
20071

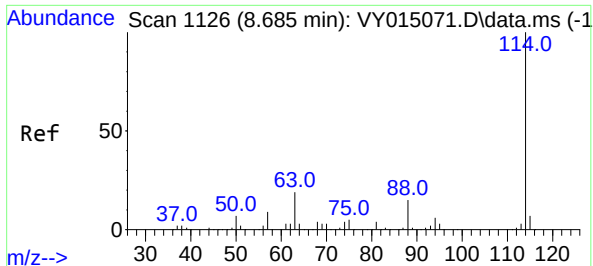
Tgt Ion: 43 Resp: 25621
Ion Ratio Lower Upper
43 100
72 20.5 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 51.071 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 65 Resp: 89612
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015101.D

Acq: 15 Aug 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

20071

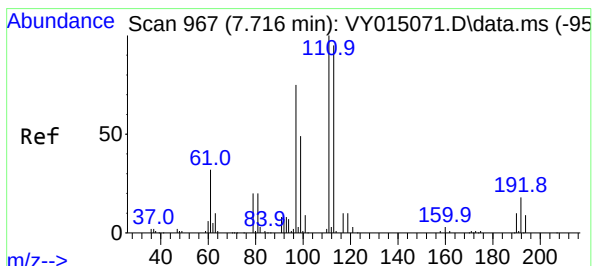
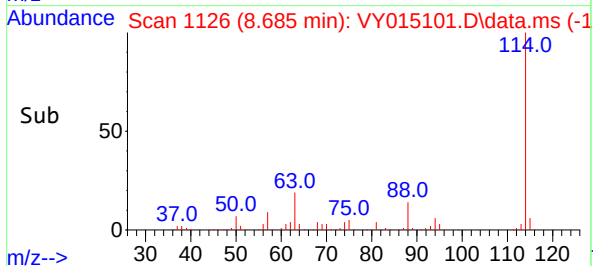
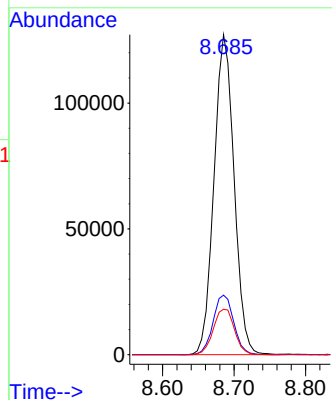
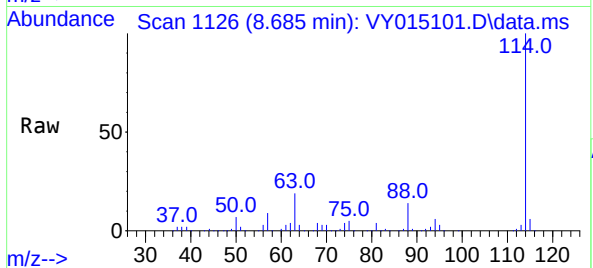
Tgt Ion:114 Resp: 248024

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.384 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015101.D

Acq: 15 Aug 2023 14:20

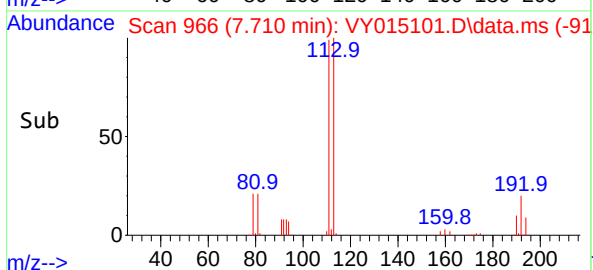
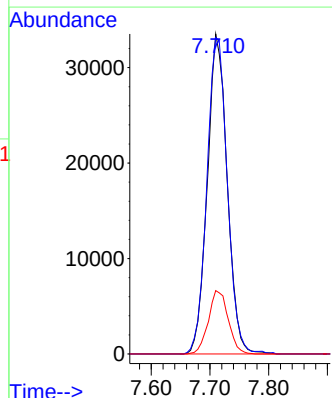
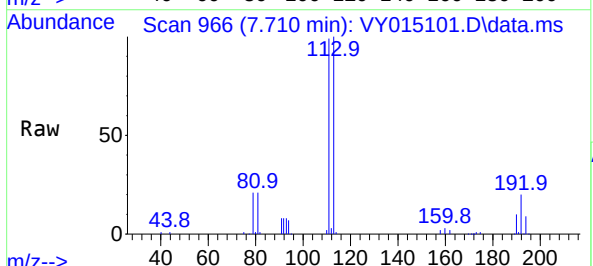
Tgt Ion:113 Resp: 78799

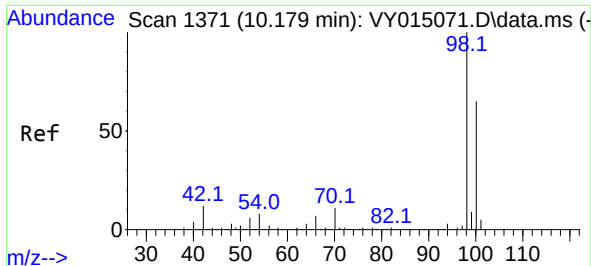
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 19.8 16.9 25.3

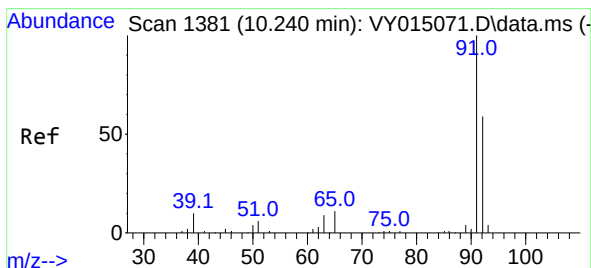
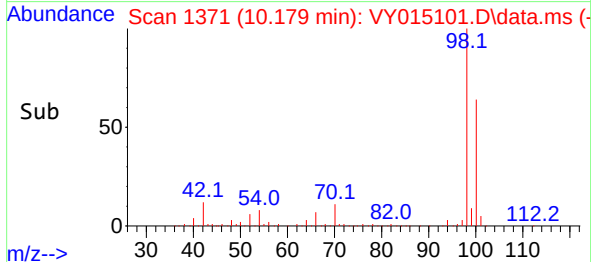
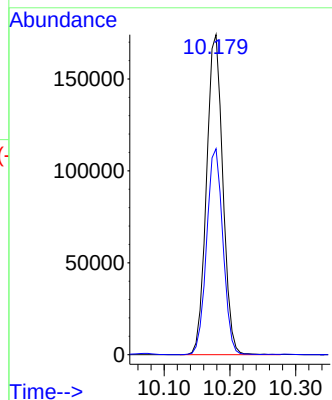
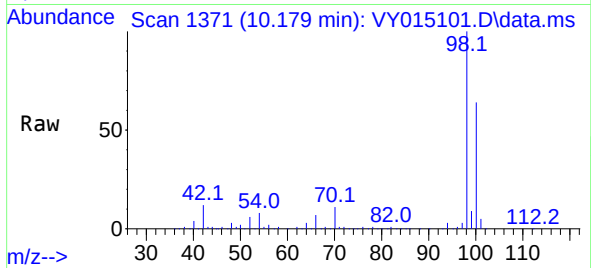




#50
Toluene-d8
Concen: 50.510 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

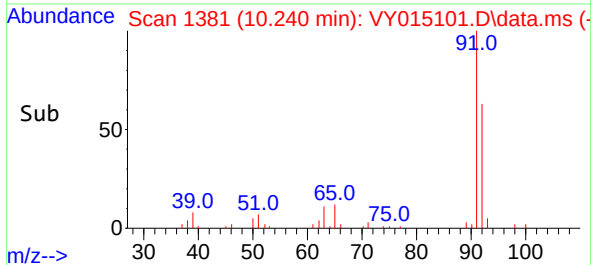
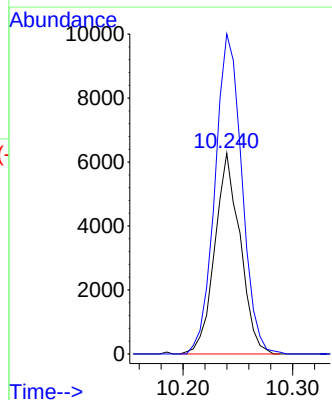
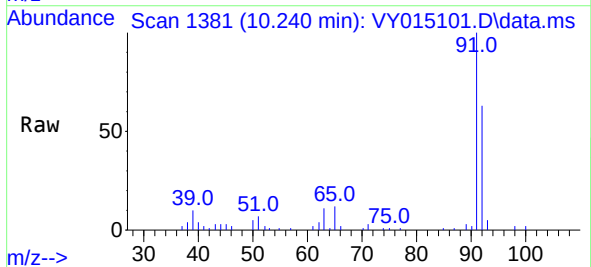
Instrument :
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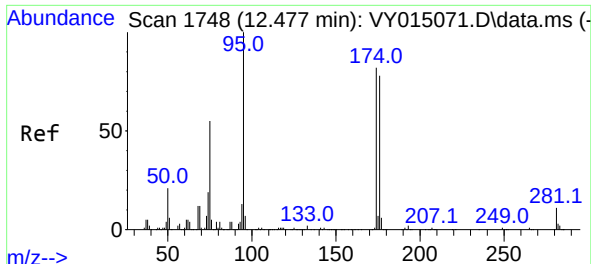
Tgt Ion: 98 Resp: 300019
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#52
Toluene
Concen: 2.871 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 92 Resp: 10101
Ion Ratio Lower Upper
92 100
91 168.9 143.8 215.6

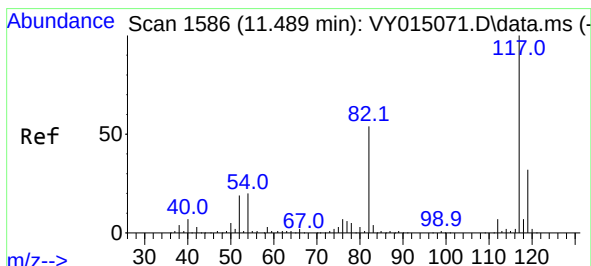
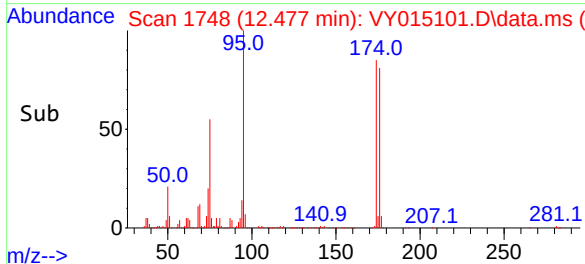
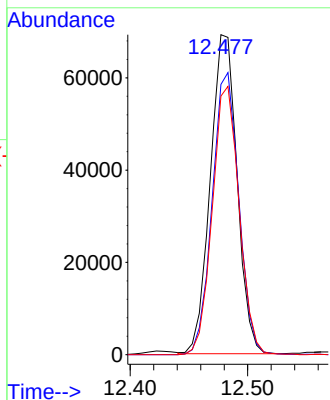
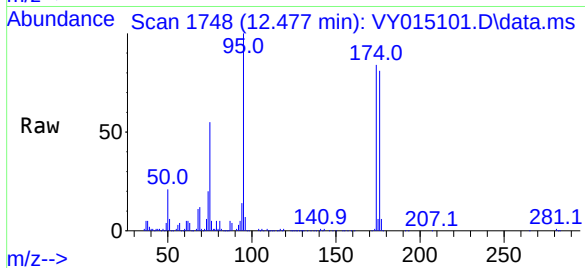




#62
4-Bromofluorobenzene
Concen: 50.413 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

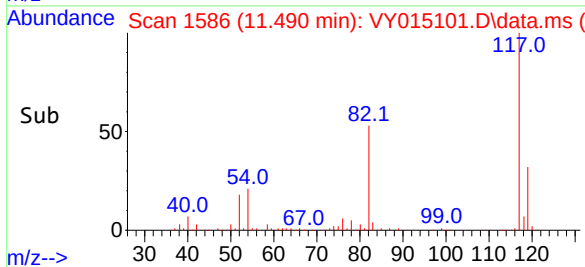
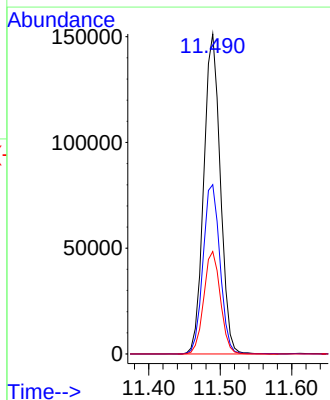
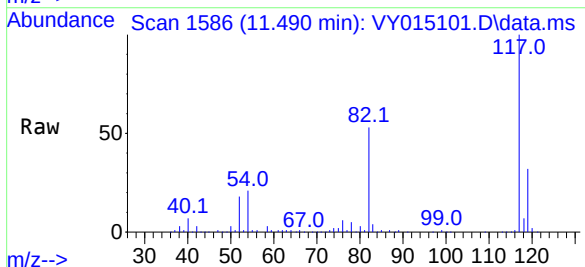
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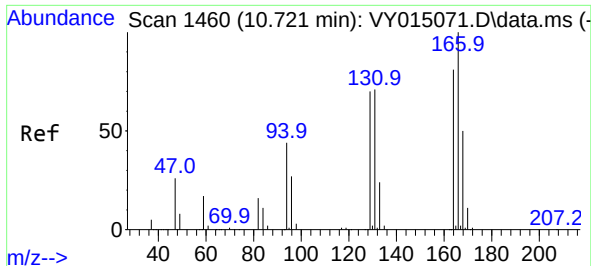
Tgt Ion: 95 Resp: 109371
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.2
176 84.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 117 Resp: 242907
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.0 26.3 39.5

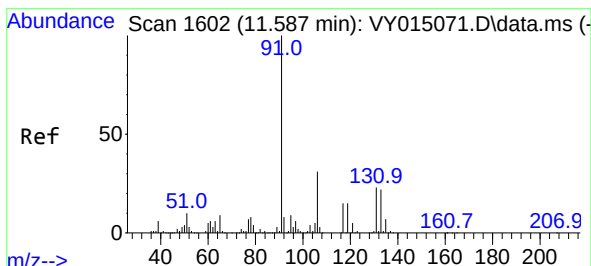
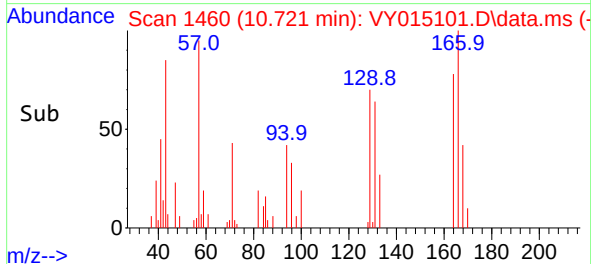
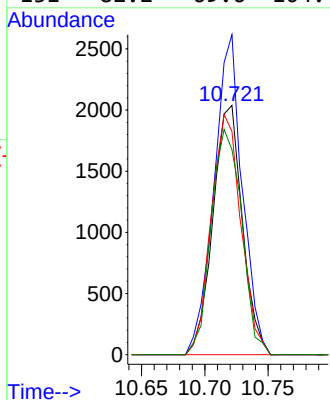
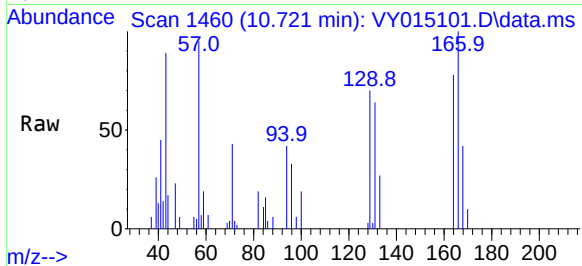




#64
Tetrachloroethene
Concen: 1.943 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

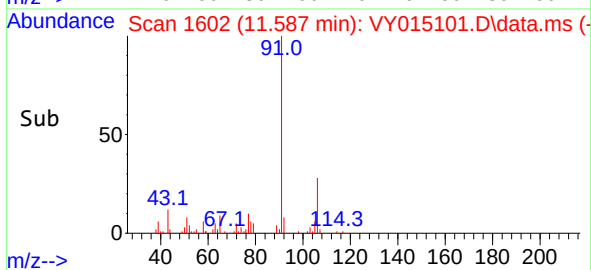
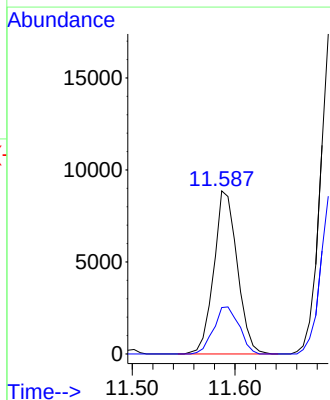
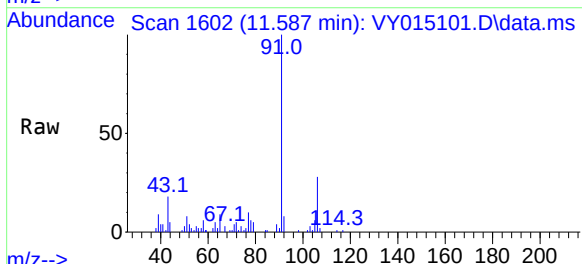
Instrument :
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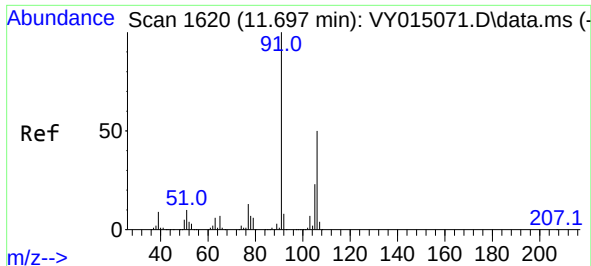
Tgt Ion:164 Resp: 3289
Ion Ratio Lower Upper
164 100
166 128.4 103.0 154.6
129 89.6 77.2 115.8
131 82.2 69.6 104.4



#67
Ethyl Benzene
Concen: 1.806 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion: 91 Resp: 14003
Ion Ratio Lower Upper
91 100
106 28.5 24.6 36.8

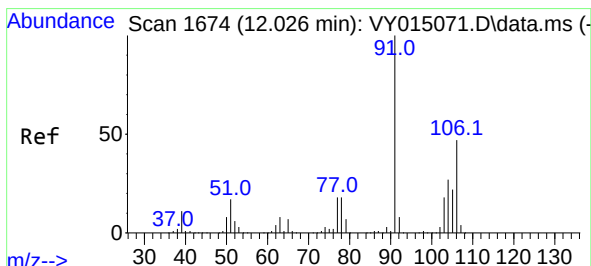
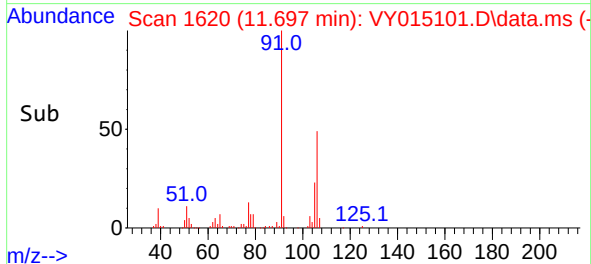
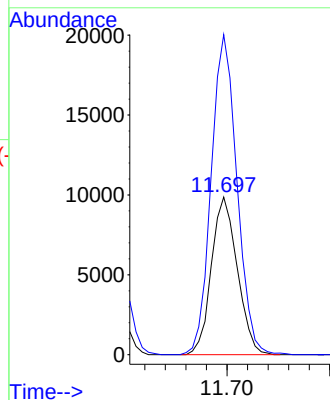
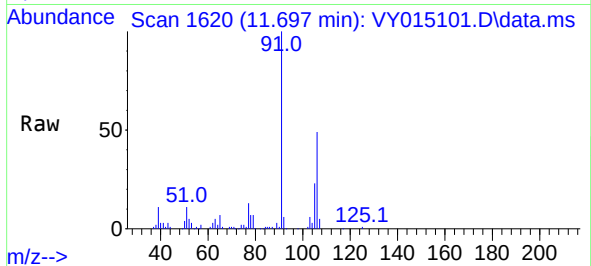




#68
m/p-Xylenes
Concen: 5.853 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

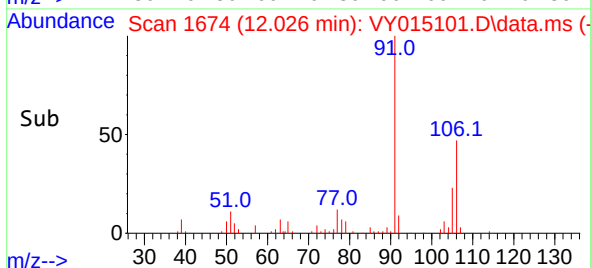
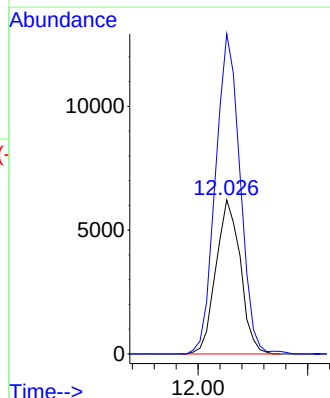
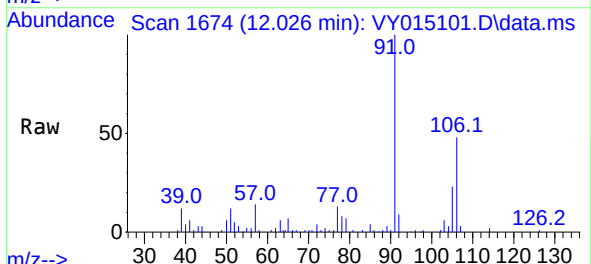
Instrument :
MSVOA_Y
ClientSampleId :
20071

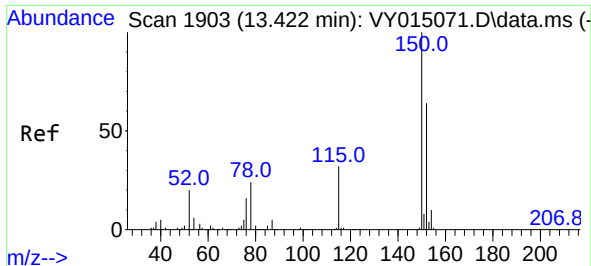
Tgt Ion:106 Resp: 17239
Ion Ratio Lower Upper
106 100
91 202.4 166.1 249.1



#69
o-Xylene
Concen: 3.296 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion:106 Resp: 9669
Ion Ratio Lower Upper
106 100
91 208.8 108.1 324.3

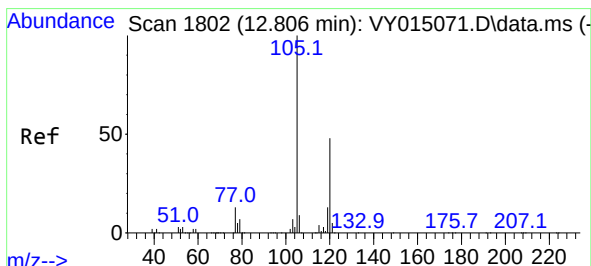
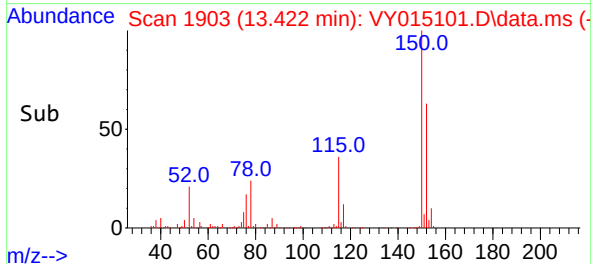
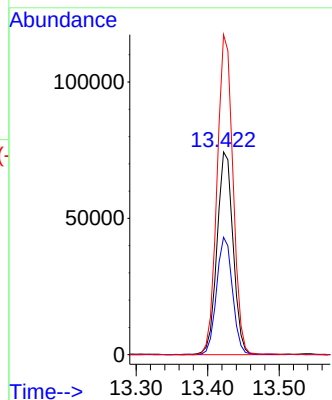
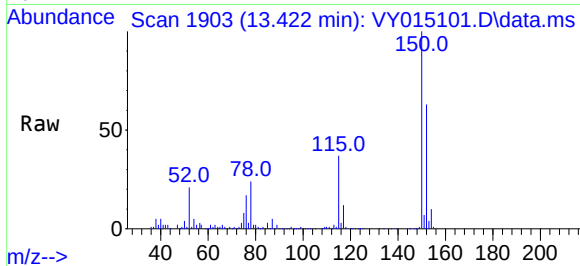




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

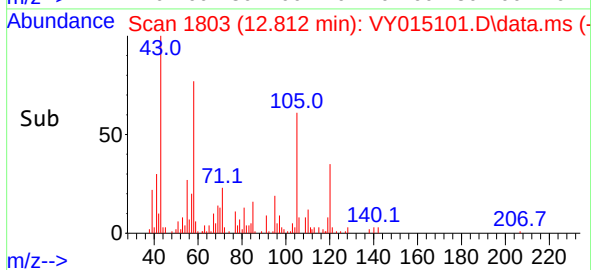
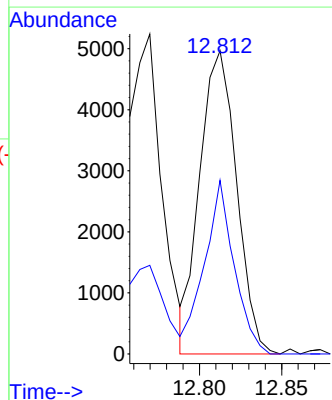
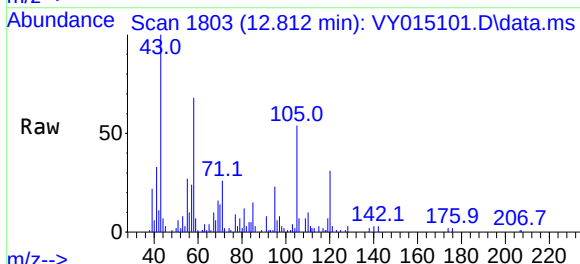
Instrument :
MSVOA_Y
ClientSampleId :
20071

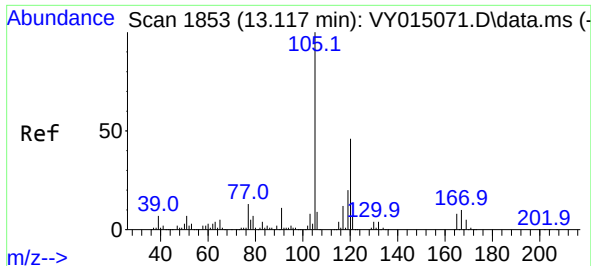
Tgt Ion:152 Resp: 116332
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 155.5 0.0 348.8



#80
1,3,5-Trimethylbenzene
Concen: 1.239 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015101.D
Acq: 15 Aug 2023 14:20

Tgt Ion:105 Resp: 7726
Ion Ratio Lower Upper
105 100
120 46.4 23.9 71.7





#84
 1,2,4-Trimethylbenzene
 Concen: 3.949 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015101.D
 Acq: 15 Aug 2023 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Tgt Ion:105 Resp: 24604
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.2 66.6

