

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015205.D
 Acq On : 18 Aug 2023 18:57
 Operator : SY/MD
 Sample : 04086-18
 Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP06

Quant Time: Aug 18 23:15:44 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)

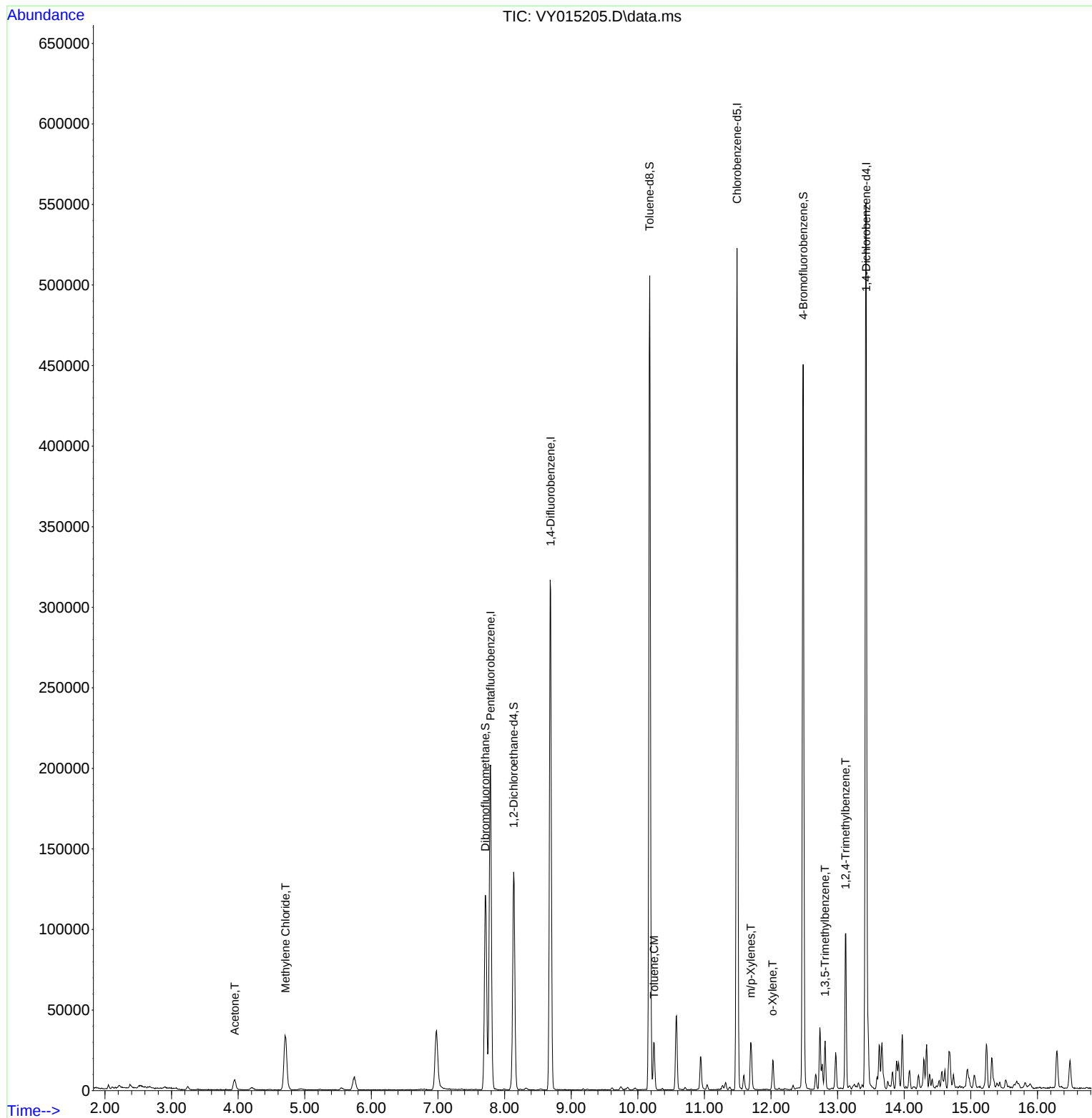
Internal Standards						
1) Pentafluorobenzene	7.789	168	159286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105846	55.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.720%	
35) Dibromofluoromethane	7.710	113	87438	49.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.700%	
50) Toluene-d8	10.179	98	327114	49.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.180%	
62) 4-Bromofluorobenzene	12.483	95	134175	55.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.380%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	11552	18.494	ug/l	99
20) Methylene Chloride	4.710	84	26277	14.476	ug/l #	83
52) Toluene	10.246	92	12028	3.079	ug/l	100
68) m/p-Xylenes	11.697	106	9410	2.809	ug/l	91
69) o-Xylene	12.026	106	4739	1.420	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	13148	1.682	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	53675	6.872	ug/l	99

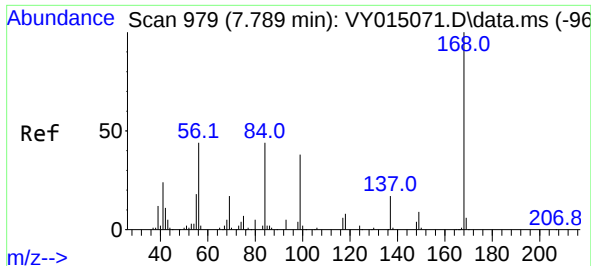
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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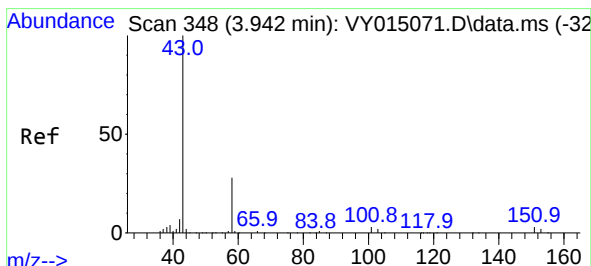
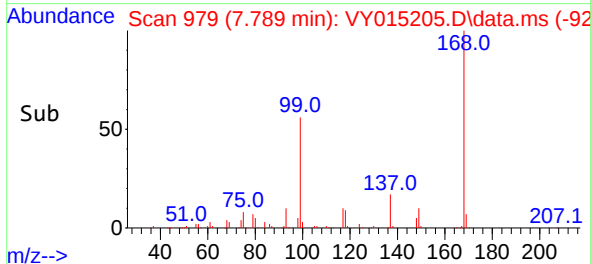
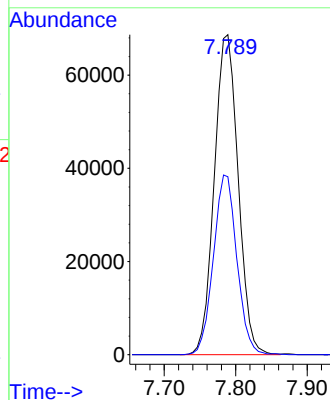
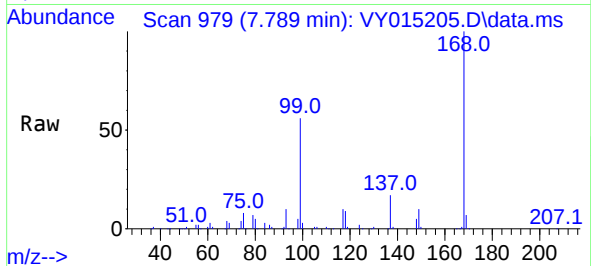




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

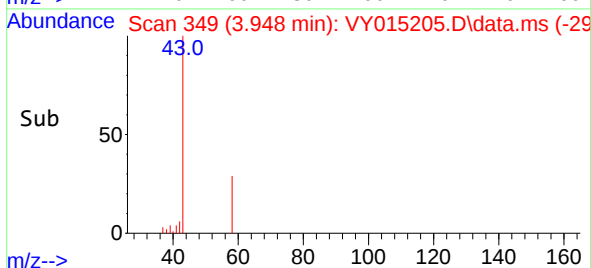
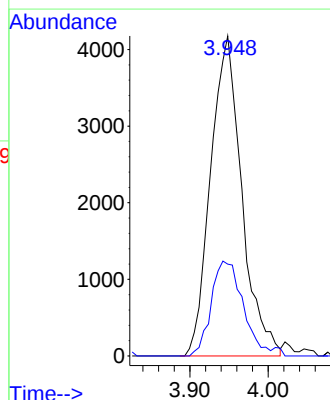
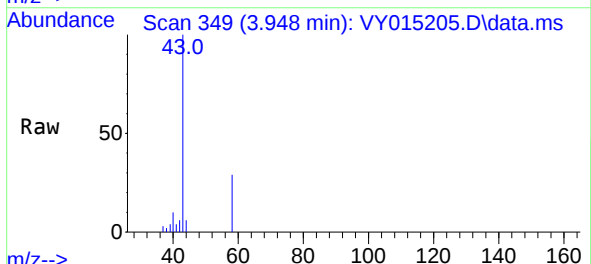
Instrument :
MSVOA_Y
ClientSampleId :
DUP06

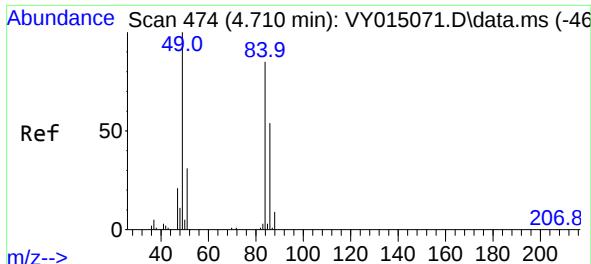
Tgt Ion:168 Resp: 159286
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#16
Acetone
Concen: 18.494 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 43 Resp: 11552
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



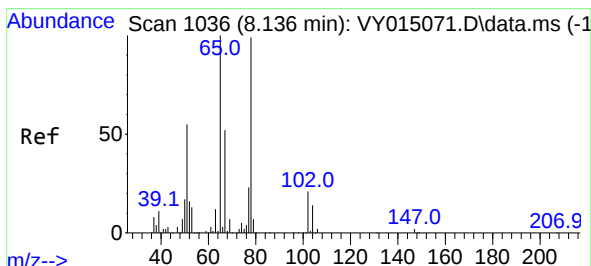
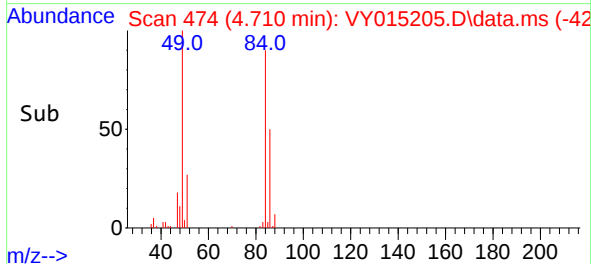
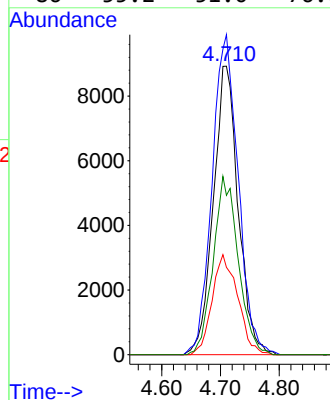
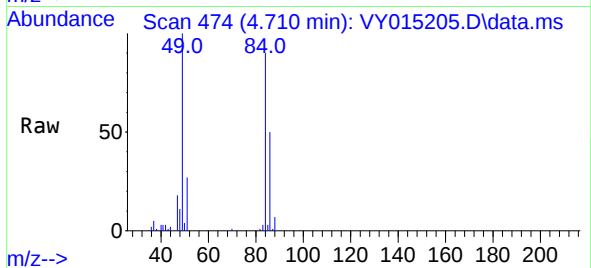


#20
Methylene Chloride
Concen: 14.476 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Instrument :
MSVOA_Y
ClientSampleId :
DUP06

Tgt Ion: 84 Resp: 26277

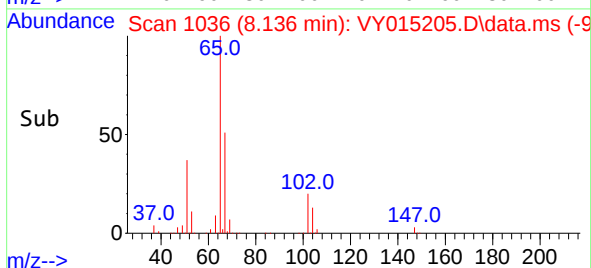
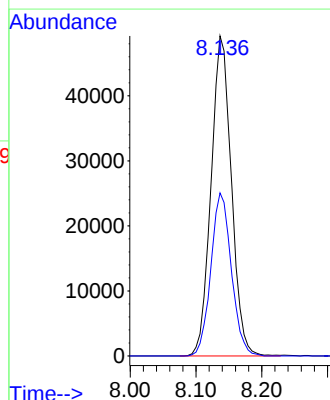
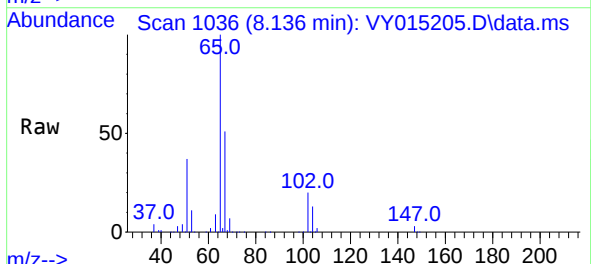
Ion	Ratio	Lower	Upper
84	100		
49	110.9	106.9	160.3
51	30.3	33.2	49.8#
86	55.2	51.0	76.6

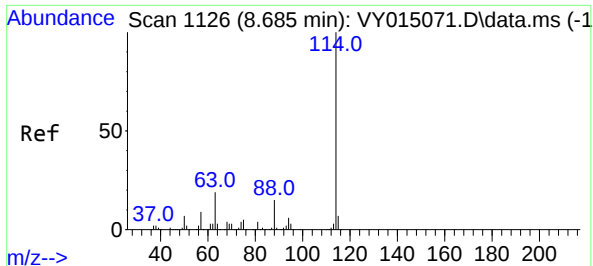


#33
1,2-Dichloroethane-d4
Concen: 55.356 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 65 Resp: 105846

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.8

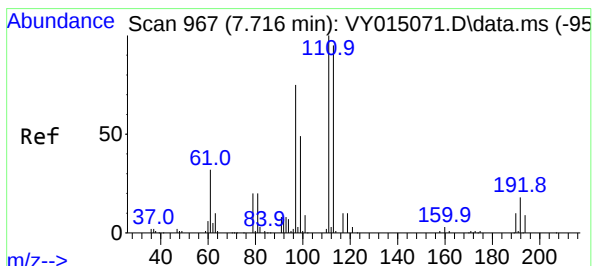
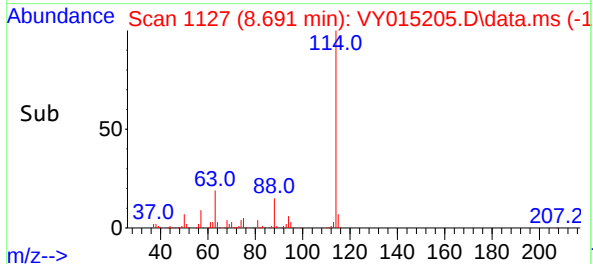
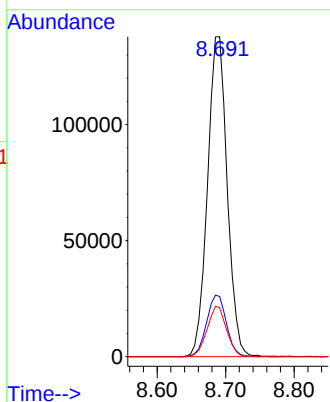
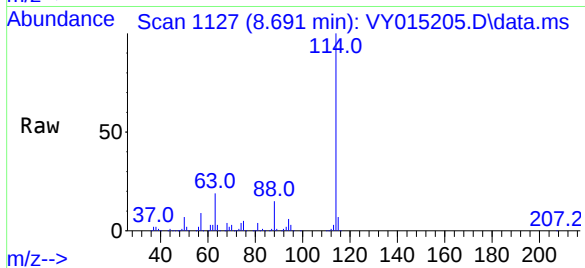




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

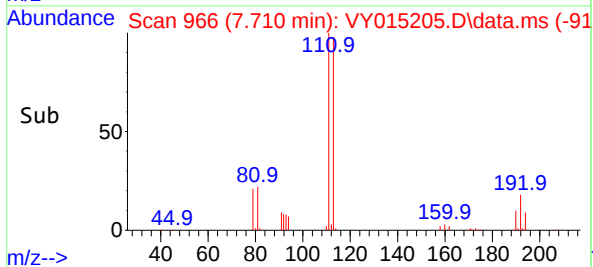
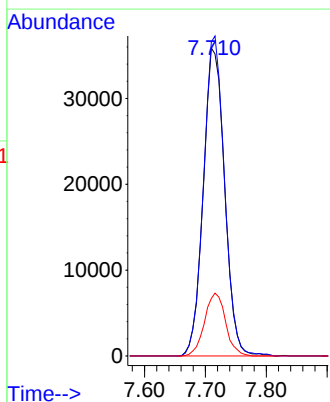
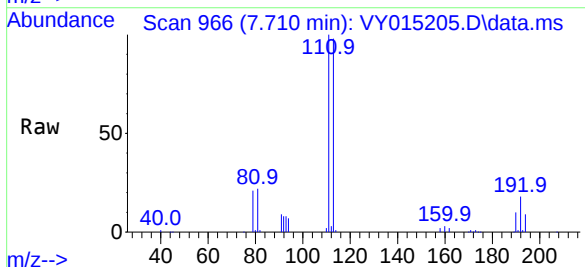
Instrument :
MSVOA_Y
ClientSampleId :
DUP06

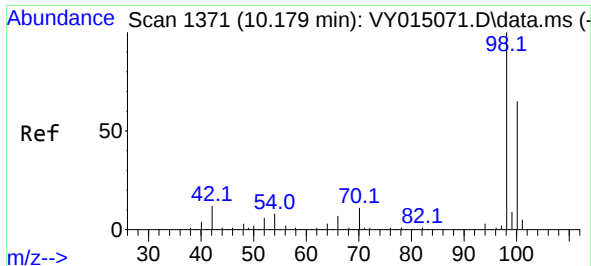
Tgt Ion:114 Resp: 275433
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion:113 Resp: 87438
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 20.1 16.9 25.3

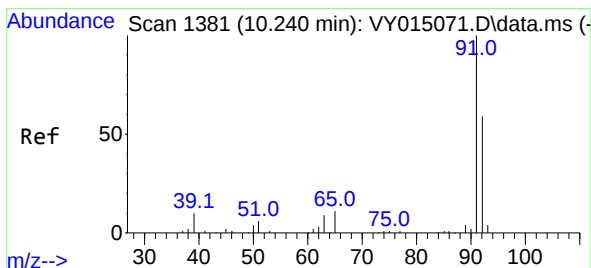
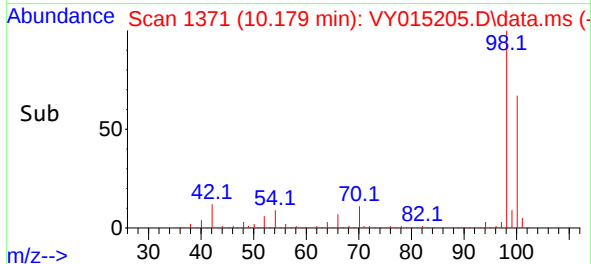
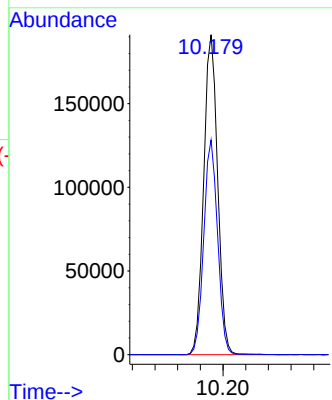
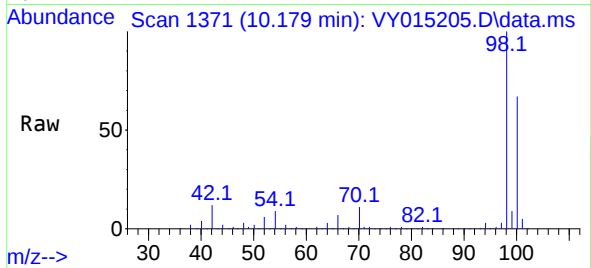




#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

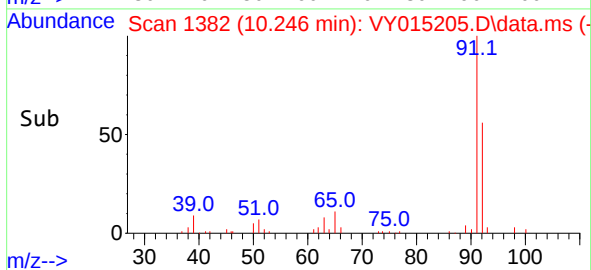
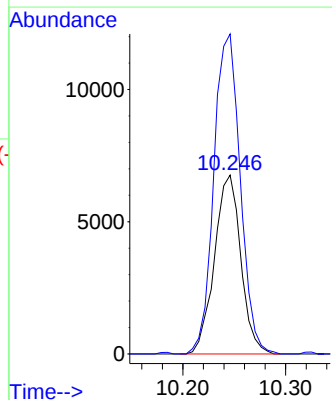
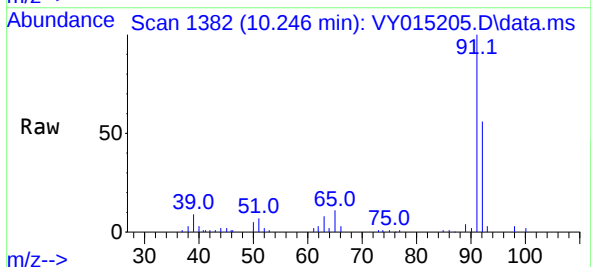
Instrument :
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ClientSampleId :
DUP06

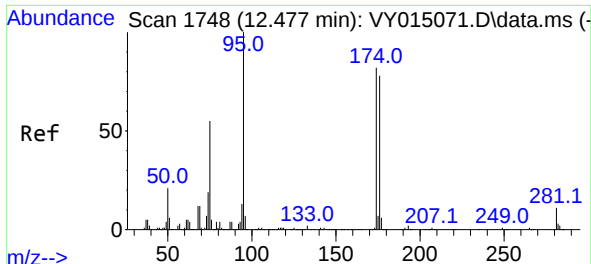
Tgt Ion: 98 Resp: 327114
Ion Ratio Lower Upper
98 100
100 66.4 50.1 75.1



#52
Toluene
Concen: 3.079 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 92 Resp: 12028
Ion Ratio Lower Upper
92 100
91 179.5 143.8 215.6

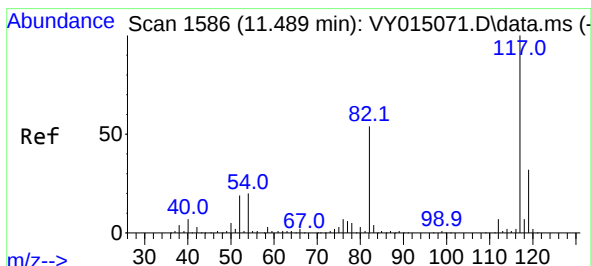
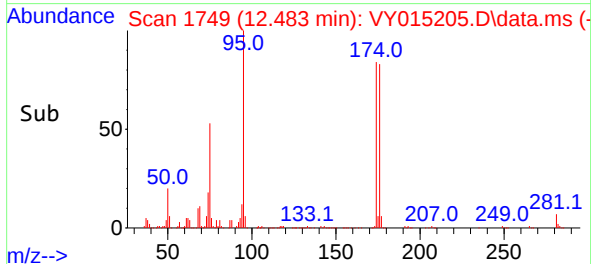
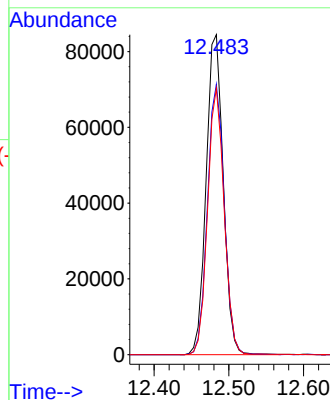
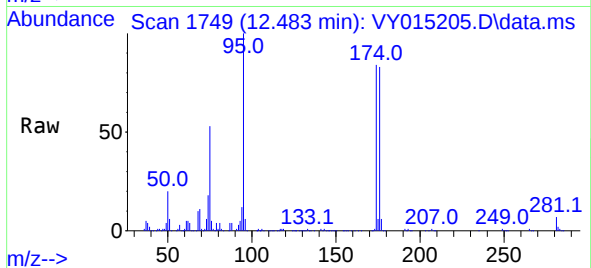




#62
4-Bromofluorobenzene
Concen: 55.691 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

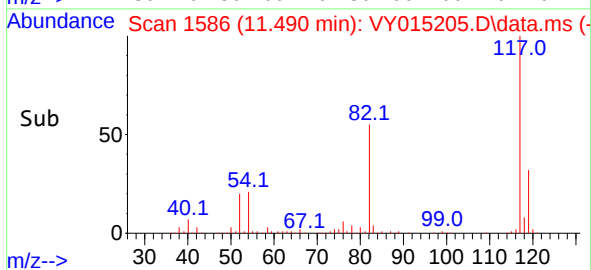
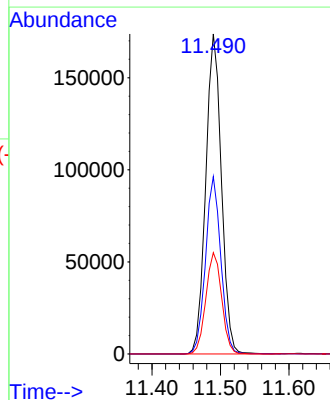
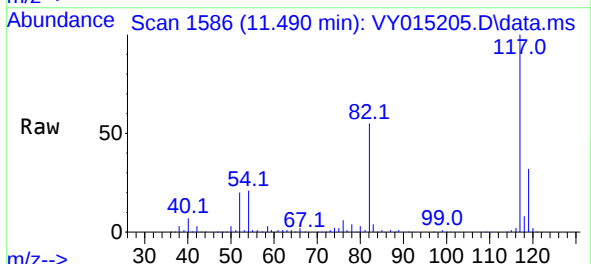
Instrument :
MSVOA_Y
ClientSampleId :
DUP06

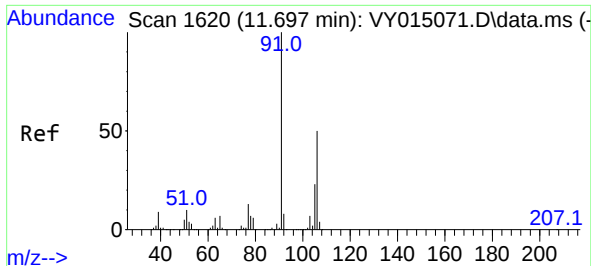
Tgt Ion: 95 Resp: 134175
Ion Ratio Lower Upper
95 100
174 83.5 0.0 178.2
176 80.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 117 Resp: 276304
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 31.7 26.3 39.5

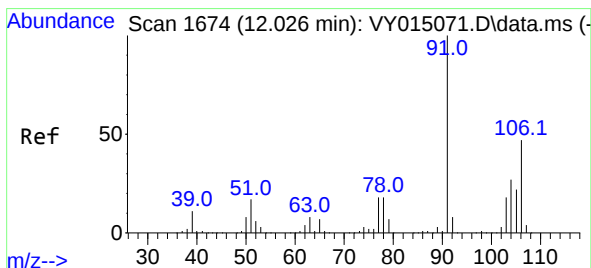
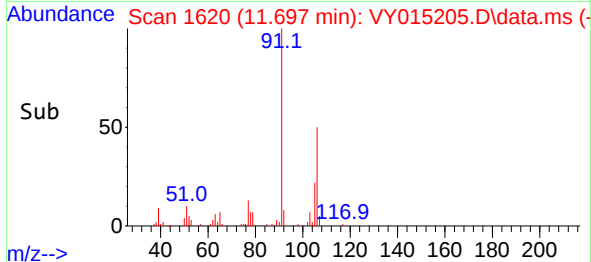
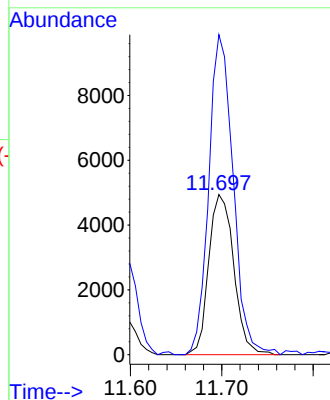
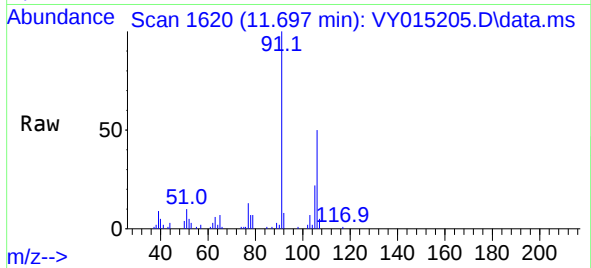




#68
m/p-Xylenes
Concen: 2.809 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

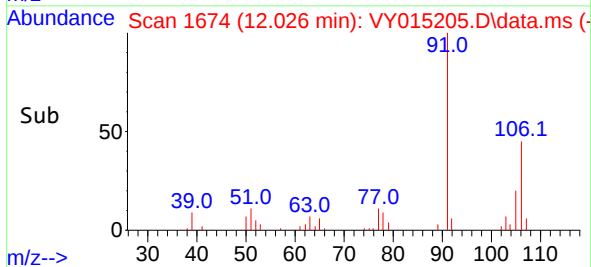
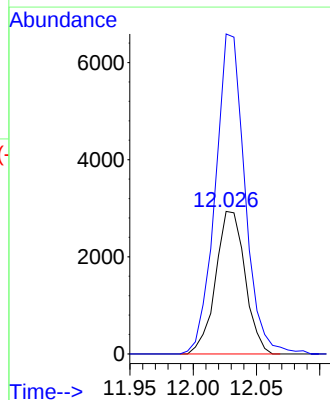
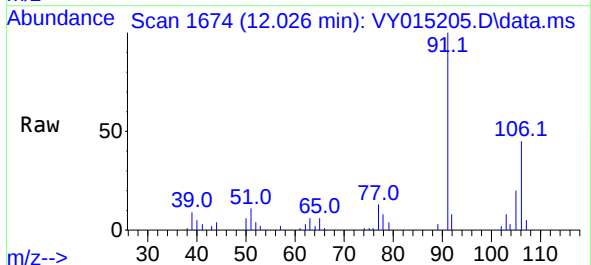
Instrument :
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DUP06

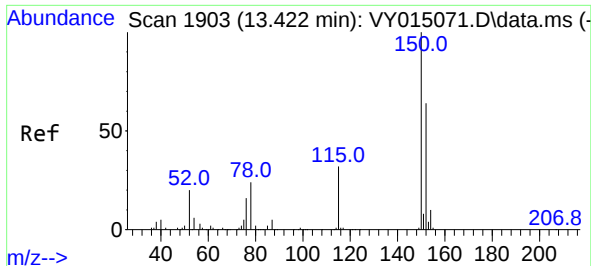
Tgt Ion:106 Resp: 9410
Ion Ratio Lower Upper
106 100
91 194.4 166.1 249.1



#69
o-Xylene
Concen: 1.420 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion:106 Resp: 4739
Ion Ratio Lower Upper
106 100
91 226.2 108.1 324.3

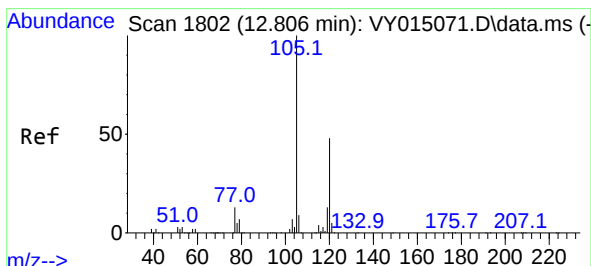
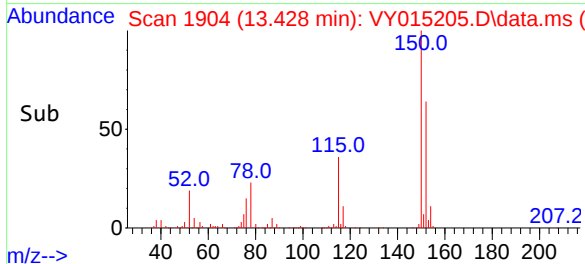
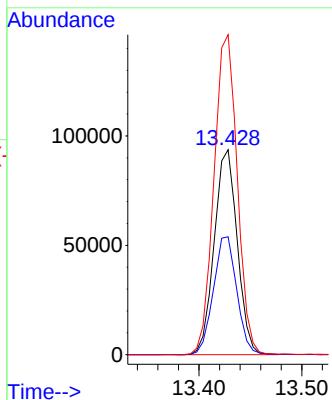
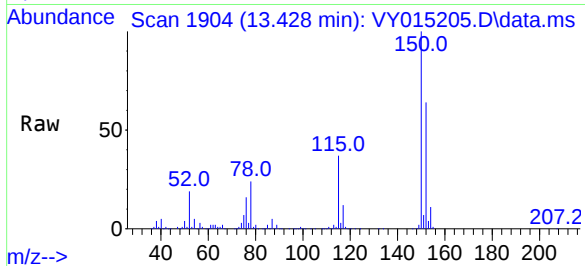




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015205.D
 Acq: 18 Aug 2023 18:57

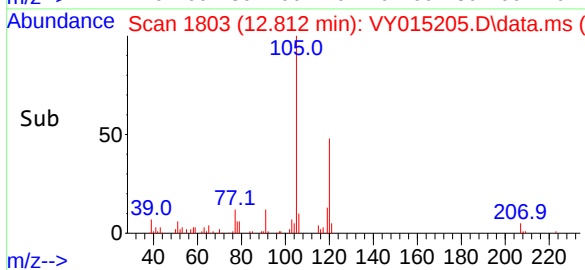
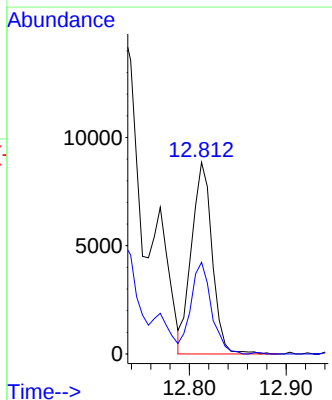
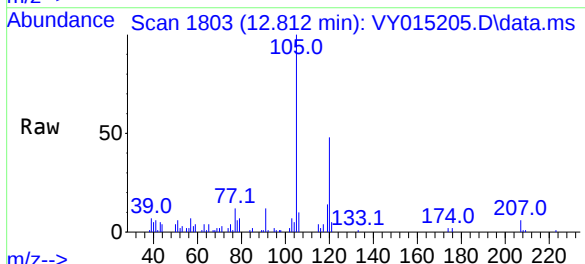
Instrument :
 MSVOA_Y
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 DUP06

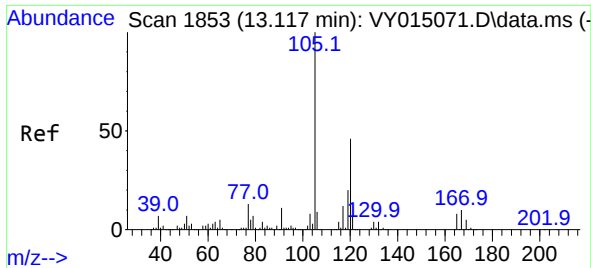
Tgt Ion:152 Resp: 145834
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 157.8 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.682 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY015205.D
 Acq: 18 Aug 2023 18:57

Tgt Ion:105 Resp: 13148
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.9 71.7





#84
 1,2,4-Trimethylbenzene
 Concen: 6.872 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015205.D
 Acq: 18 Aug 2023 18:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP06

Tgt Ion:105 Resp: 53675
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.2 66.6

