

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014657.D
 Acq On : 14 Jul 2023 19:02
 Operator : SY/MD
 Sample : 03632-08
 Misc : 7.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-(4-6)

Quant Time: Jul 14 23:15:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

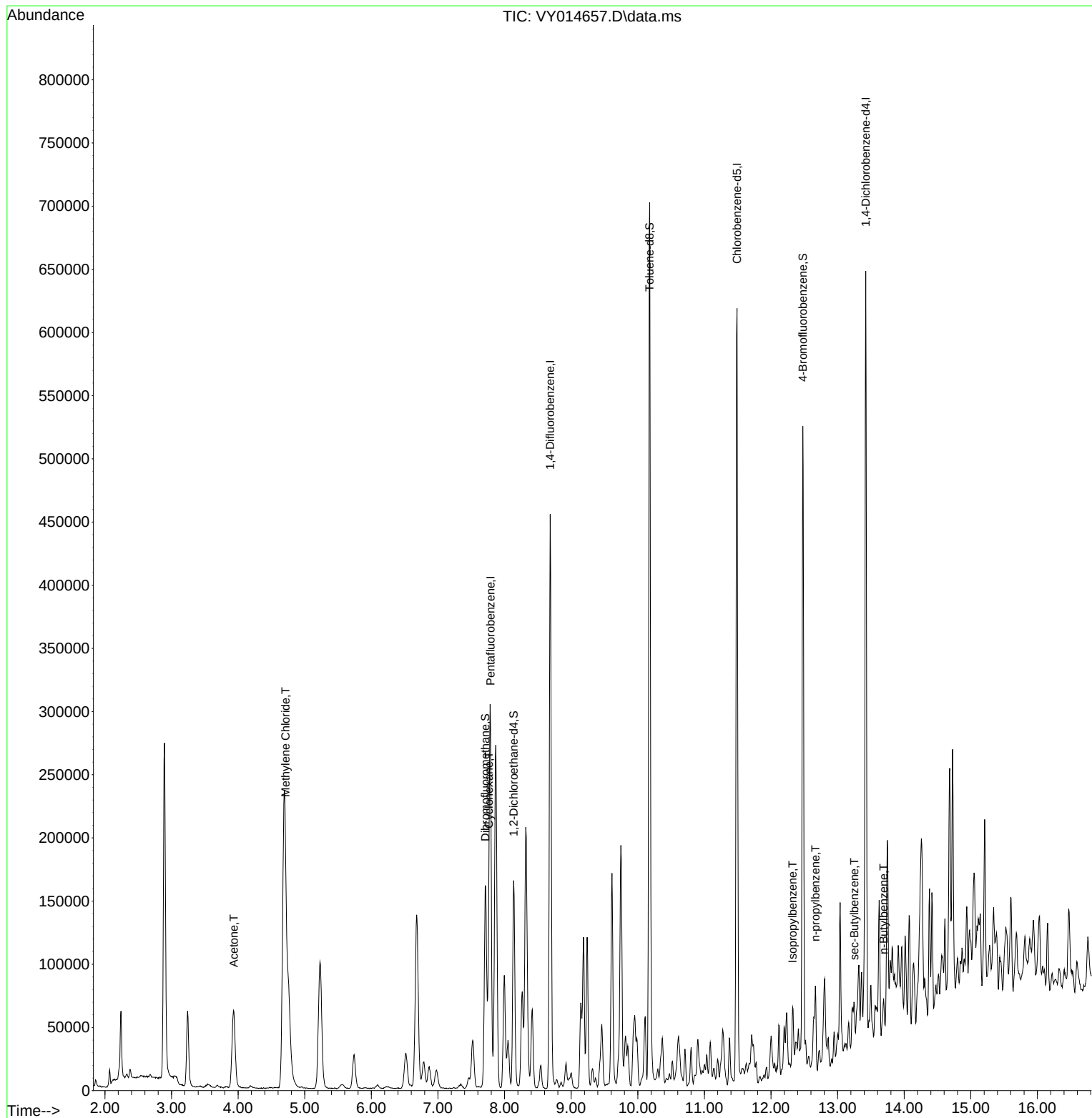
Internal Standards						
1) Pentafluorobenzene	7.789	168	218440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	126410	50.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.710	113	113645	48.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.500%	
50) Toluene-d8	10.179	98	439994	50.669	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.340%	
62) 4-Bromofluorobenzene	12.477	95	157119	47.187	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.380%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	48563	61.566	ug/l #	68
20) Methylene Chloride	4.710	84	36270	10.848	ug/l #	79
31) Cyclohexane	7.765	56	16397	3.968	ug/l #	71
73) Isopropylbenzene	12.325	105	28351	2.460	ug/l	97
78) n-propylbenzene	12.666	91	49779	3.584	ug/l	99
85) sec-Butylbenzene	13.251	105	15490	1.237	ug/l #	70
89) n-Butylbenzene	13.690	91	18483	1.857	ug/l	98

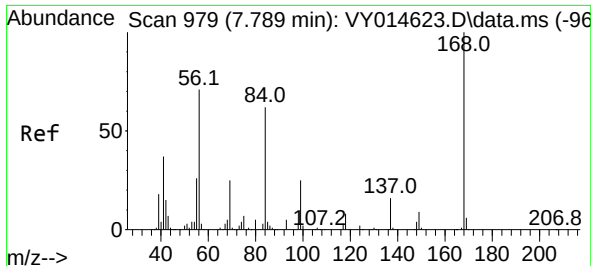
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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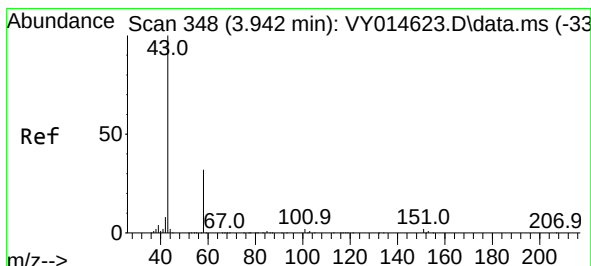
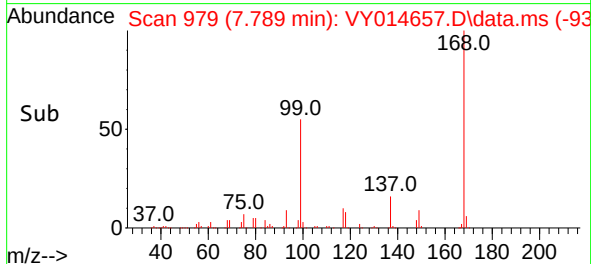
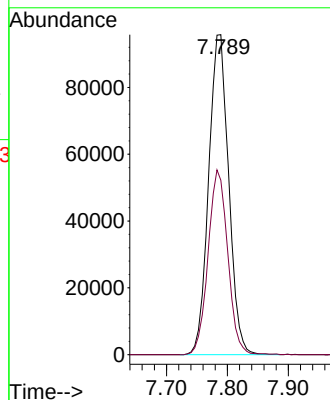
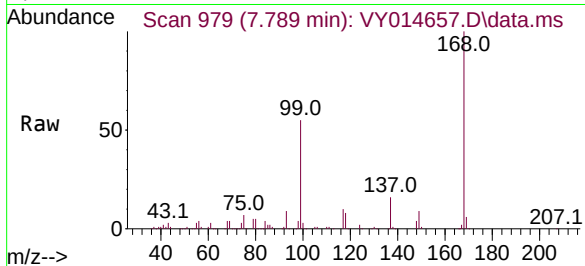




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

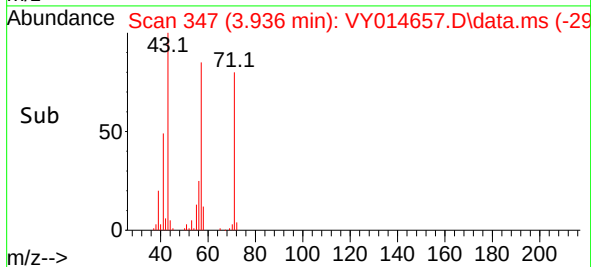
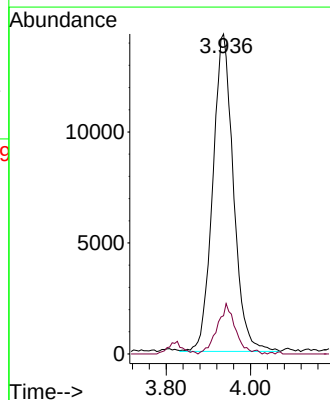
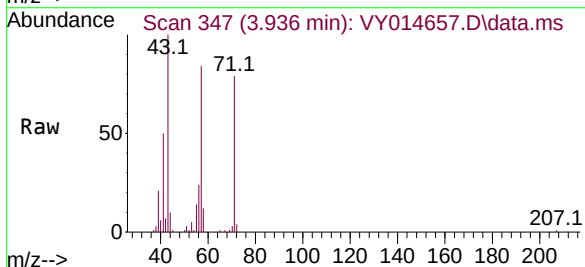
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-(4-6)

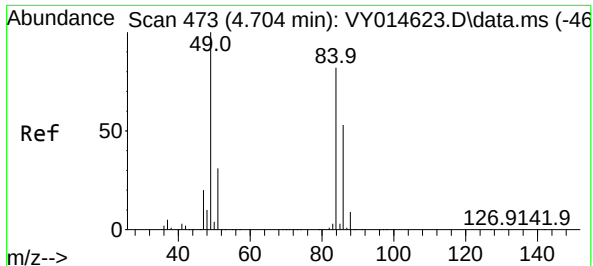
Tgt Ion:168 Resp: 218440
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#16
Acetone
Concen: 61.566 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

Tgt Ion: 43 Resp: 48563
Ion Ratio Lower Upper
43 100
58 11.4 22.7 34.1#

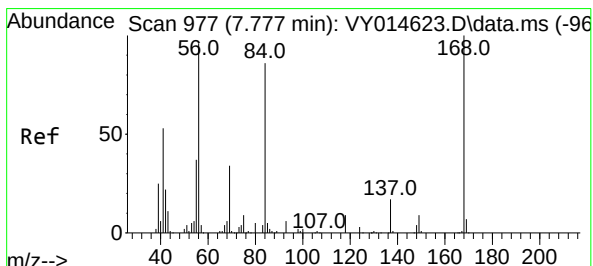
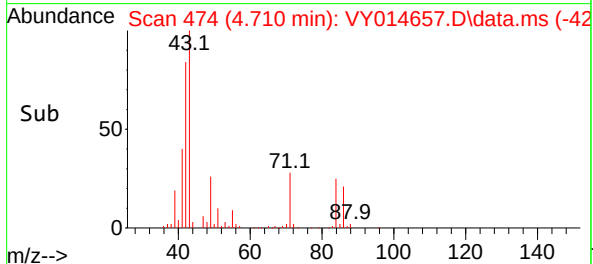
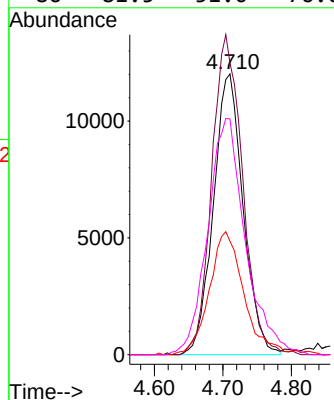
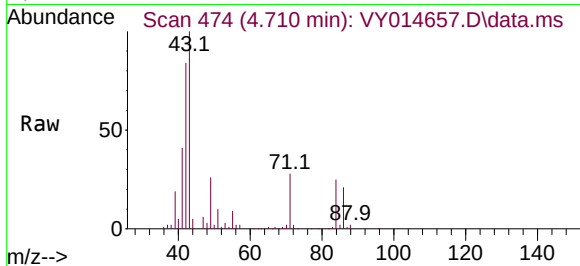




#20
Methylene Chloride
Concen: 10.848 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

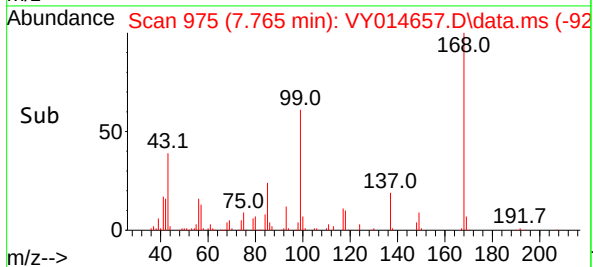
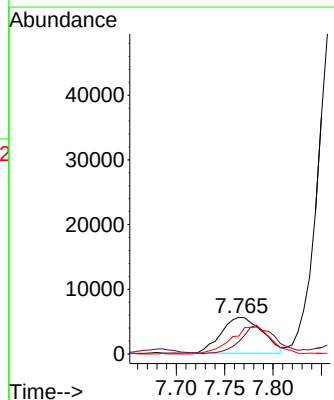
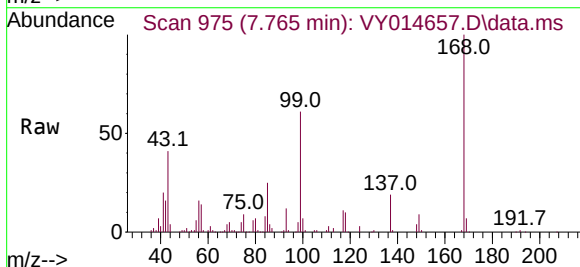
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-(4-6)

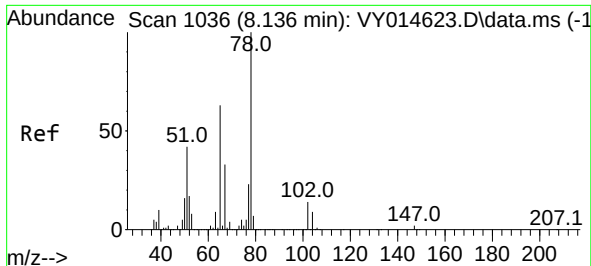
Tgt Ion:	84	Resp:	36270
Ion	Ratio	Lower	Upper
84	100		
49	103.9	106.9	160.3#
51	39.4	33.2	49.8
86	81.5	51.0	76.6#



#31
Cyclohexane
Concen: 3.968 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.012 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

Tgt Ion:	56	Resp:	16397
Ion	Ratio	Lower	Upper
56	100		
69	28.7	27.8	41.6
84	50.2	66.4	99.6#

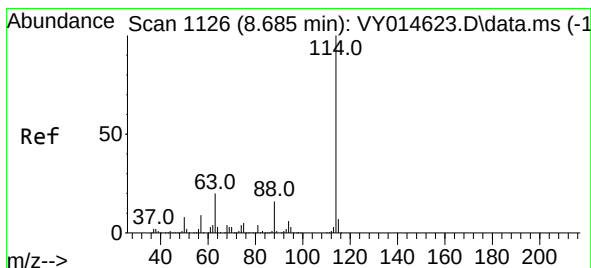
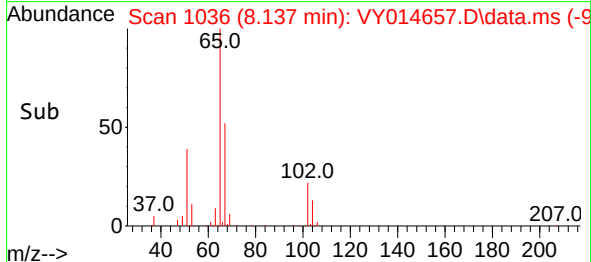
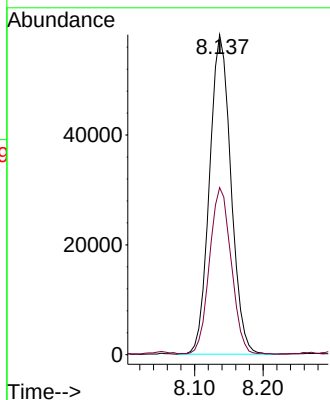
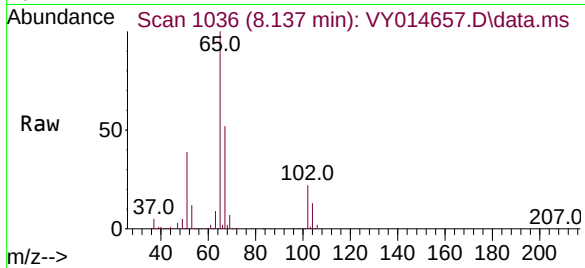




#33
 1,2-Dichloroethane-d4
 Concen: 50.783 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY014657.D
 Acq: 14 Jul 2023 19:02

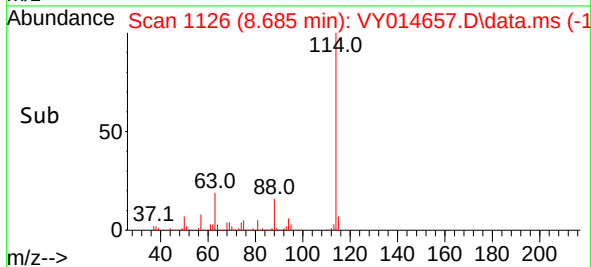
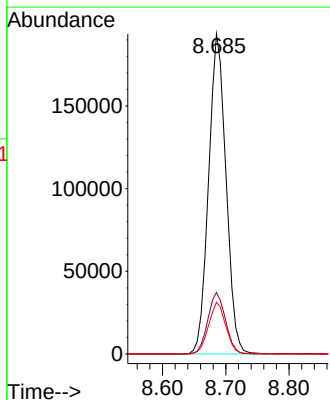
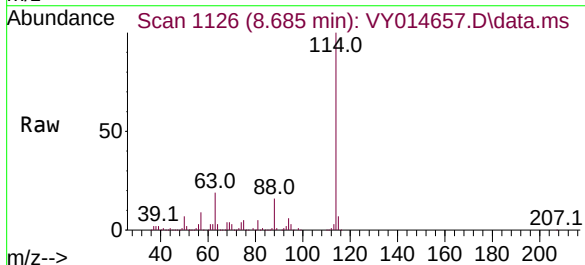
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-(4-6)

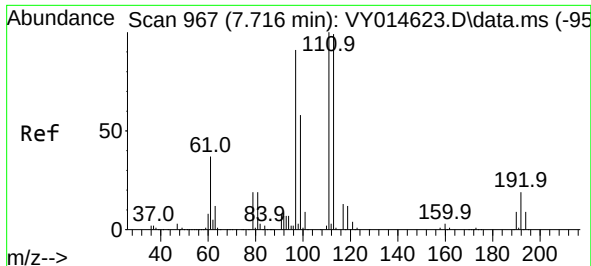
Tgt Ion: 65 Resp: 126410
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014657.D
 Acq: 14 Jul 2023 19:02

Tgt Ion: 114 Resp: 370006
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.4
 88 16.2 0.0 30.6

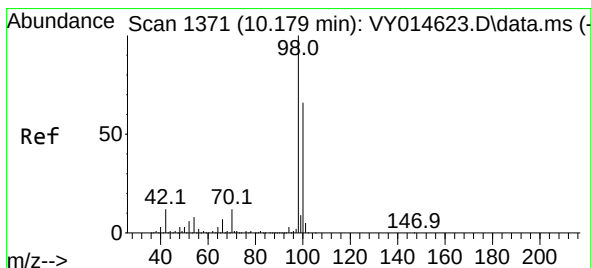
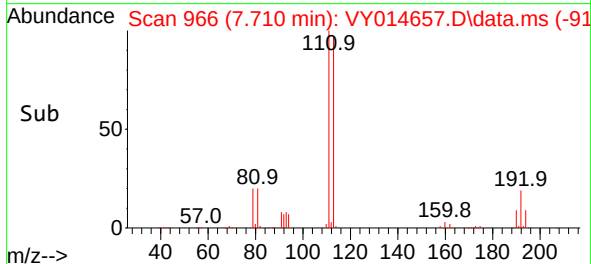
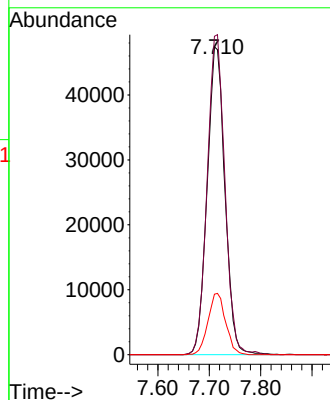
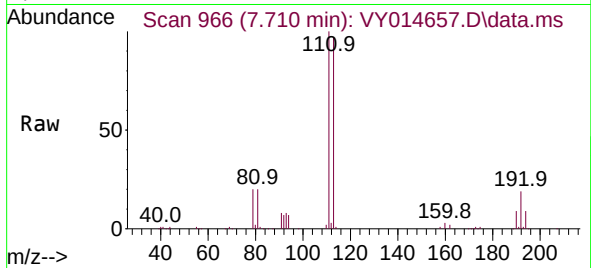




#35
Dibromofluoromethane
Concen: 48.249 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

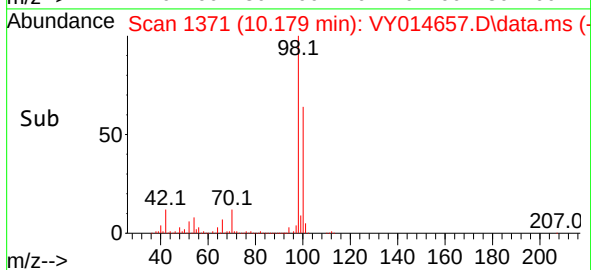
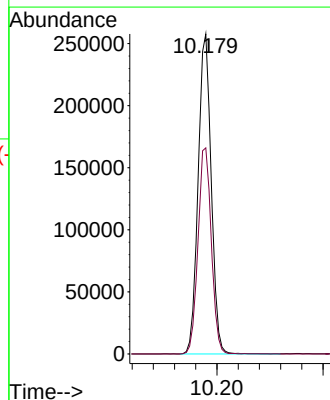
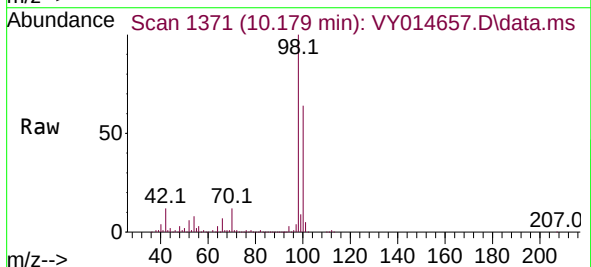
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-(4-6)

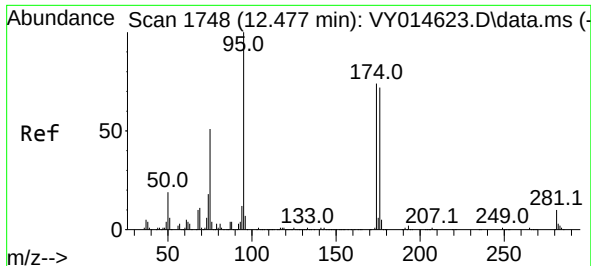
Tgt Ion:113 Resp: 113645
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.8 16.9 25.3



#50
Toluene-d8
Concen: 50.669 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

Tgt Ion: 98 Resp: 439994
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

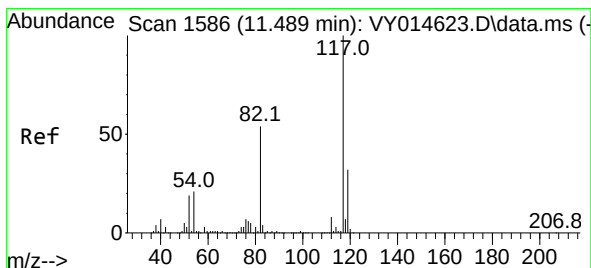
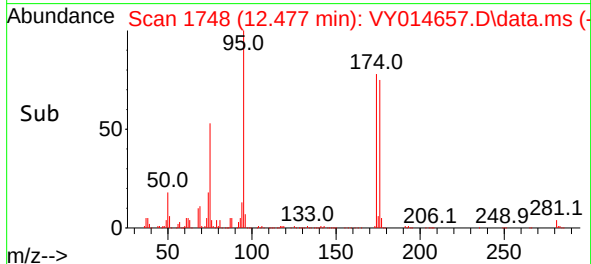
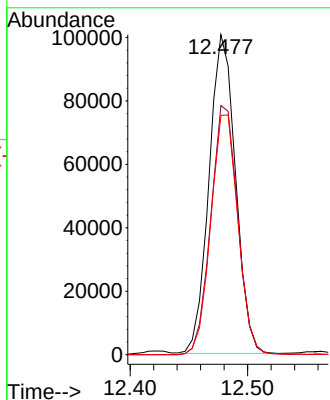
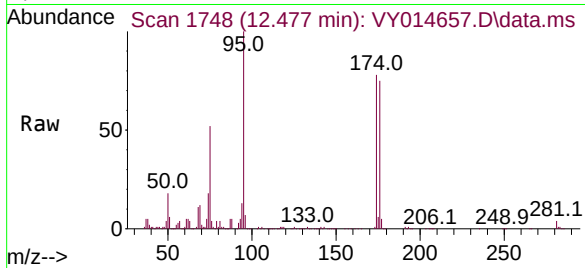




#62
4-Bromofluorobenzene
Concen: 47.187 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

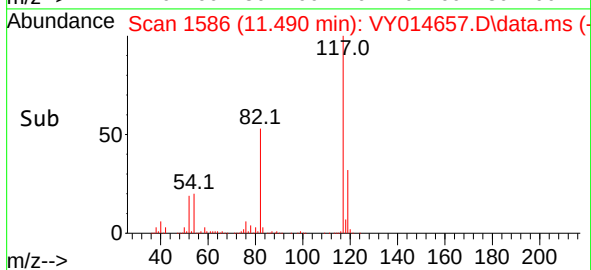
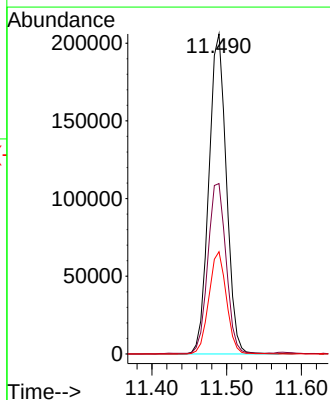
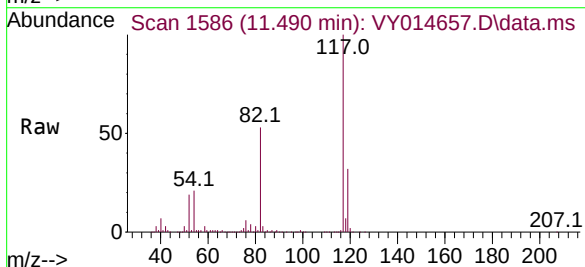
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-(4-6)

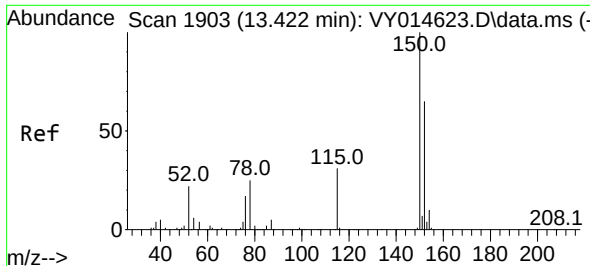
Tgt Ion: 95 Resp: 157119
Ion Ratio Lower Upper
95 100
174 79.8 0.0 178.2
176 77.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

Tgt Ion: 117 Resp: 335950
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.0 26.3 39.5

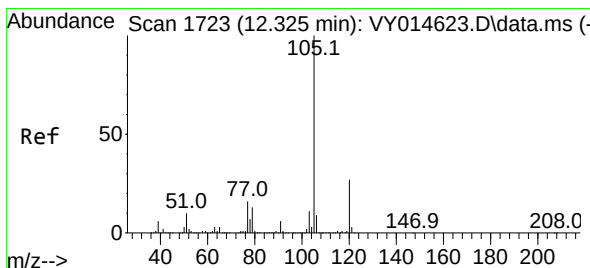
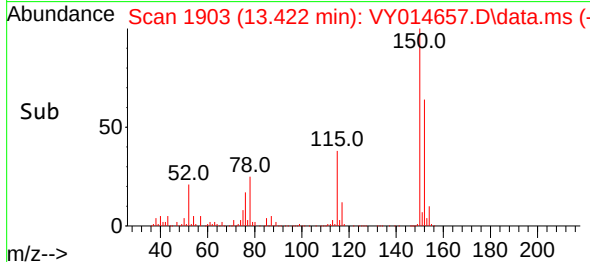
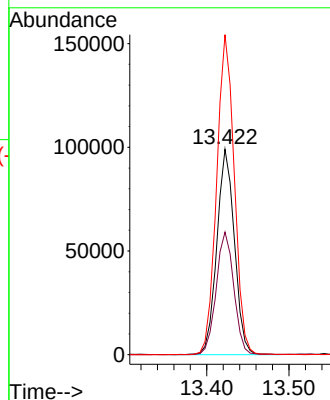
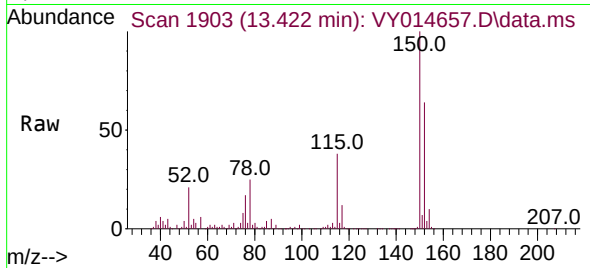




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

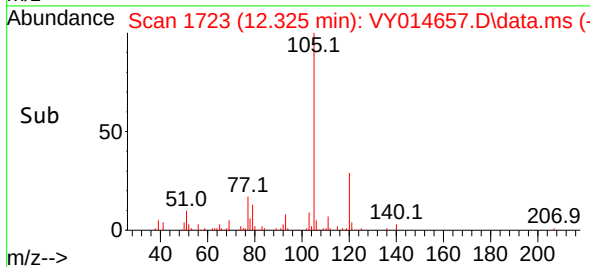
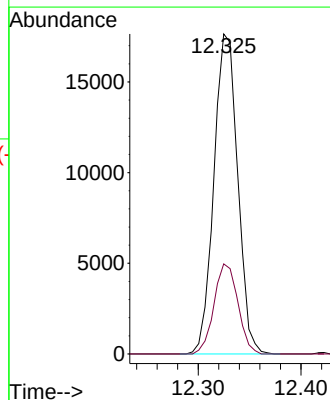
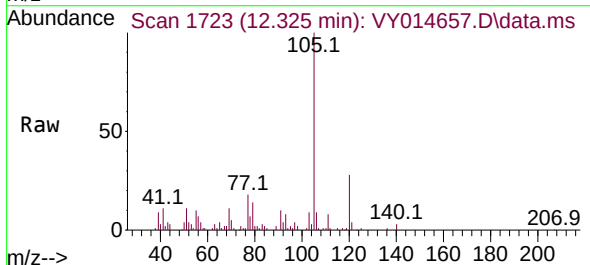
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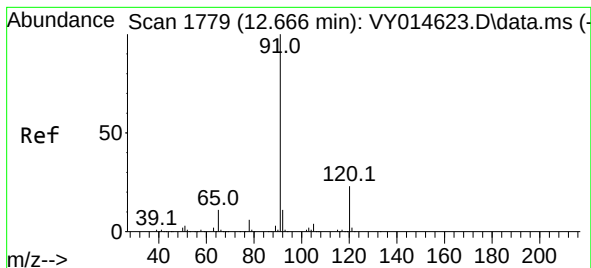
Tgt Ion:152 Resp: 147214
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.5
150 156.6 0.0 348.8



#73
Isopropylbenzene
Concen: 2.460 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY014657.D
Acq: 14 Jul 2023 19:02

Tgt Ion:105 Resp: 28351
Ion Ratio Lower Upper
105 100
120 28.2 13.3 39.9





#78

n-propylbenzene

Concen: 3.584 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014657.D

Acq: 14 Jul 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :

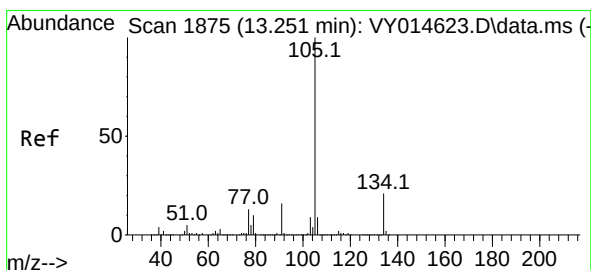
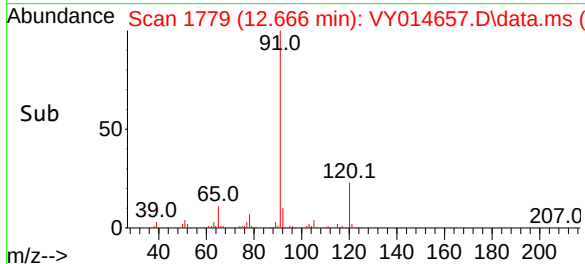
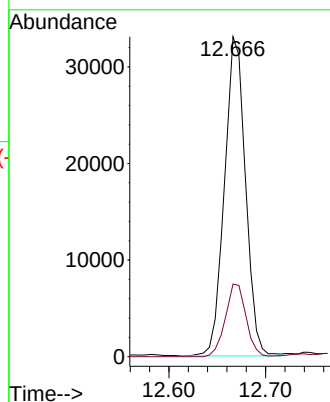
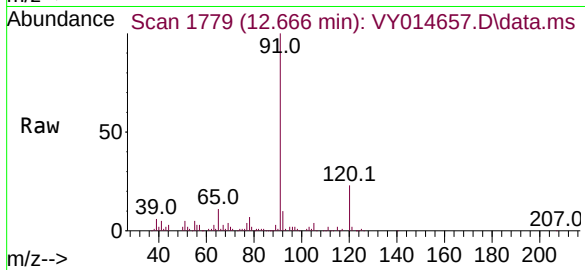
SB-12-(4-6)

Tgt Ion: 91 Resp: 49779

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4



#85

sec-Butylbenzene

Concen: 1.237 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014657.D

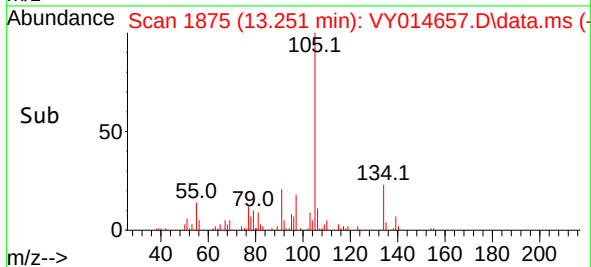
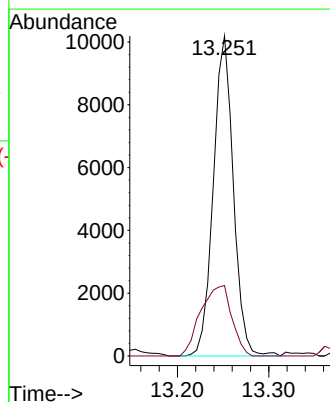
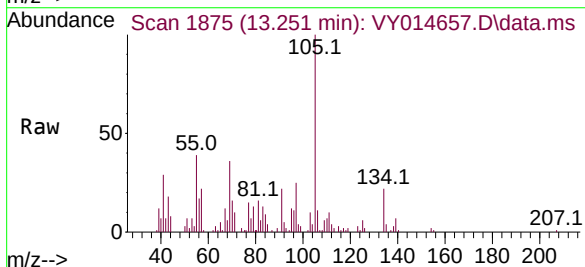
Acq: 14 Jul 2023 19:02

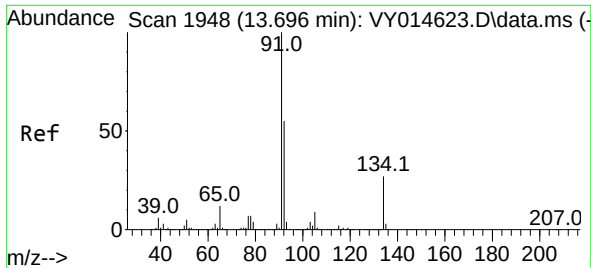
Tgt Ion: 105 Resp: 15490

Ion Ratio Lower Upper

105 100

134 34.1 10.2 30.6#





#89

n-Butylbenzene

Concen: 1.857 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY014657.D

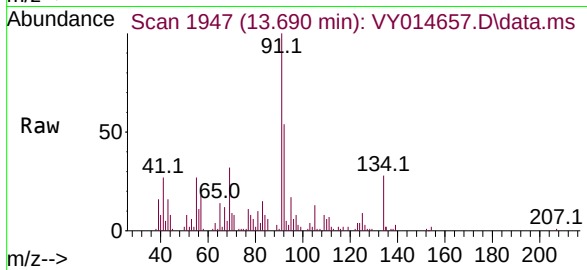
Acq: 14 Jul 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :

SB-12-(4-6)



Tgt Ion: 91 Resp: 18483

Ion Ratio Lower Upper

91 100

92 52.0 25.4 76.0

134 23.2 12.6 37.6

