

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023823.D
 Acq On : 26 Nov 2025 13:44
 Operator : SY/MD
 Sample : Q3721-01
 Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-2-112525

Quant Time: Nov 27 01:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

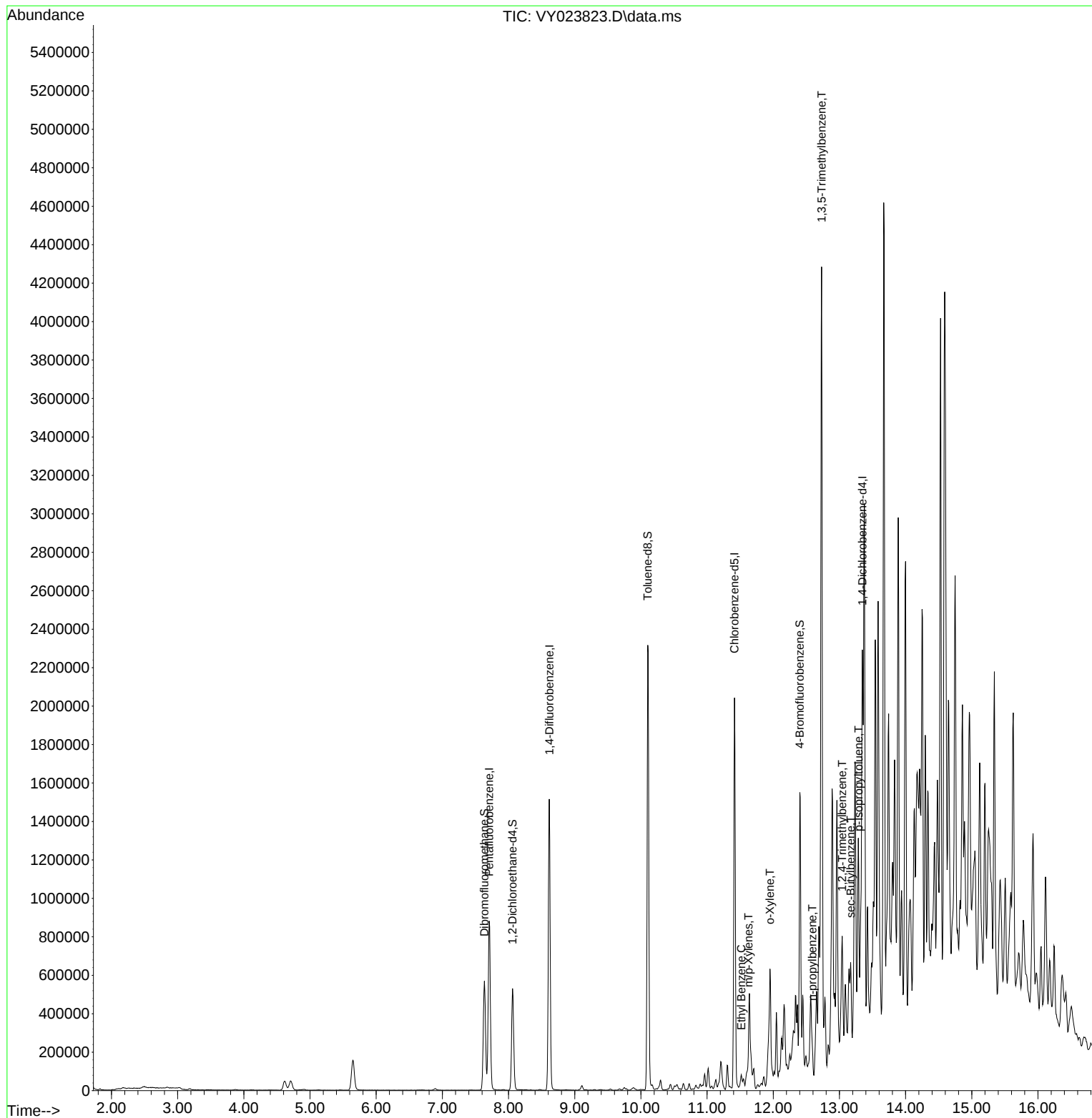
Internal Standards						
1) Pentafluorobenzene	7.707	168	686119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1283110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1063040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	379711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	408551	61.144	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.280%			
35) Dibromofluoromethane	7.634	113	405807	53.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.780%			
50) Toluene-d8	10.103	98	1507452	49.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.401	95	437736	44.065	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.120%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.517	91	40127	1.007	ug/l	97
68) m/p-Xylenes	11.627	106	20714	1.349	ug/l	96
69) o-Xylene	11.950	106	135866	9.436	ug/l	99
78) n-propylbenzene	12.590	91	91165	2.810	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	744451	33.839	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	262125	11.922	ug/l	99
85) sec-Butylbenzene	13.170	105	160865	5.514	ug/l	92
86) p-Isopropyltoluene	13.292	119	208276	8.541	ug/l	99

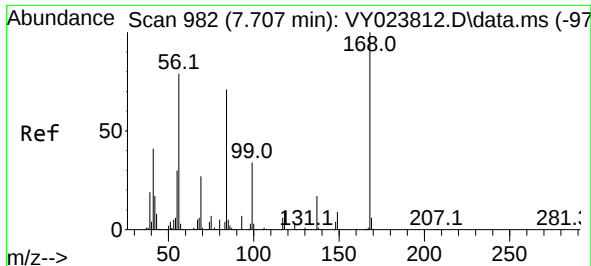
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

Quant Time: Nov 27 01:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

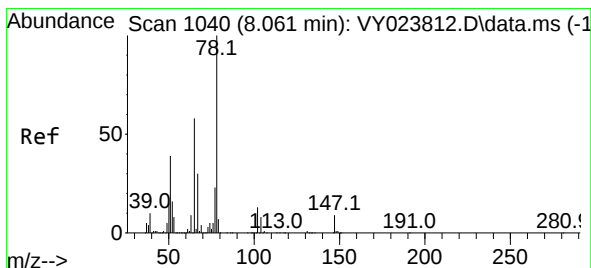
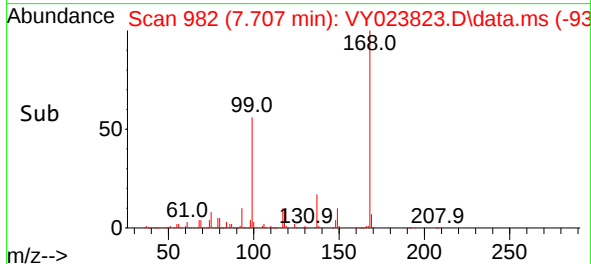
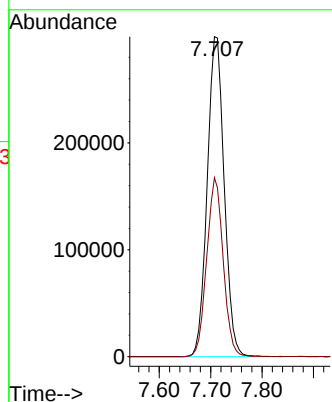
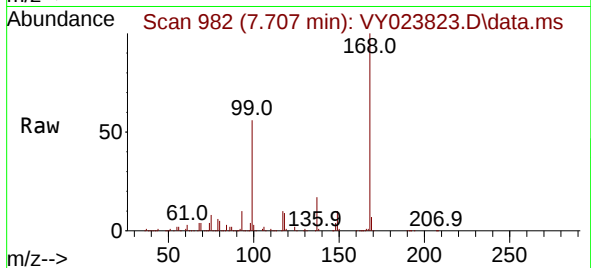




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

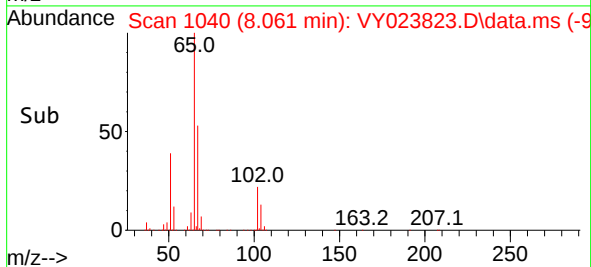
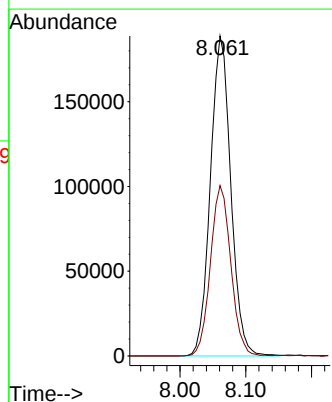
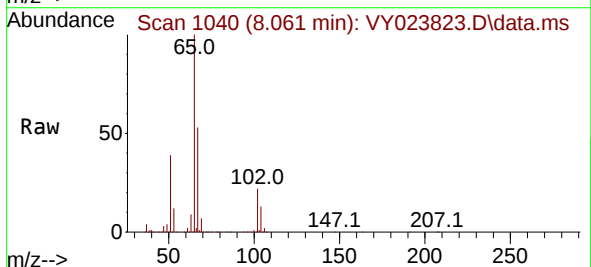
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MSVOA_Y
ClientSampleId :
EO-2-112525

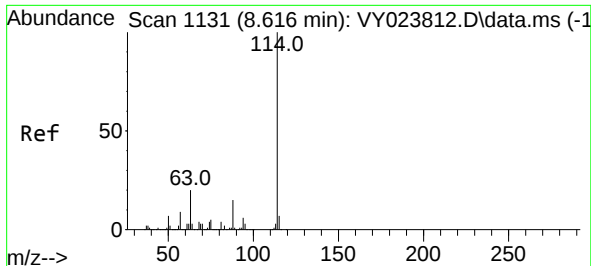
Tgt Ion:168 Resp: 686119
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 61.144 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

Tgt Ion: 65 Resp: 408551
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

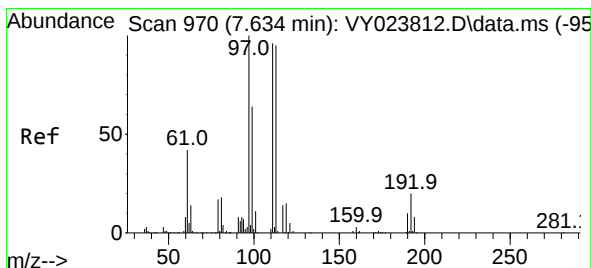
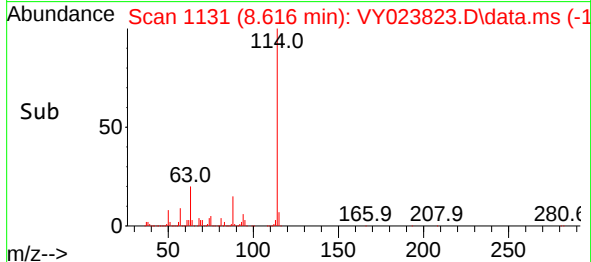
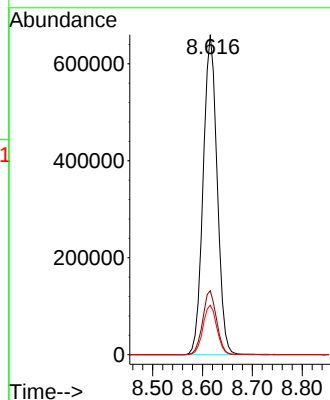
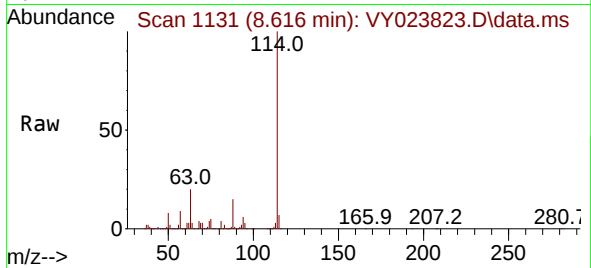




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

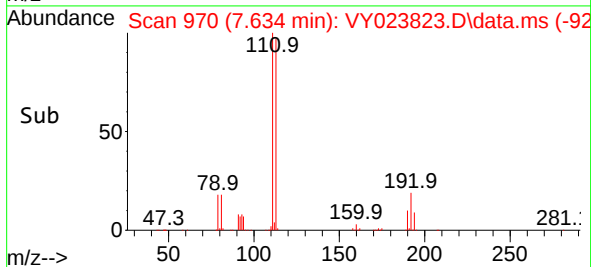
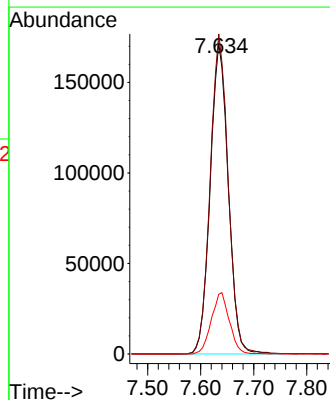
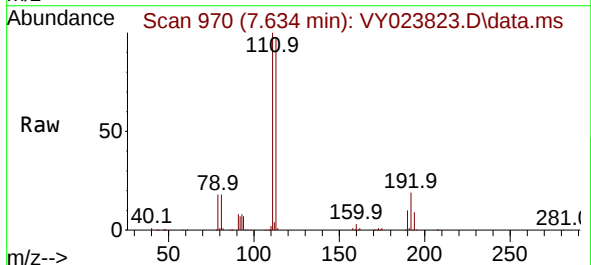
Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

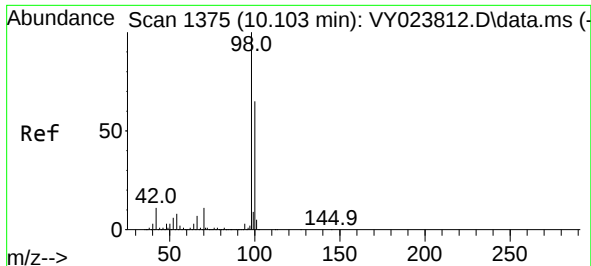
Tgt Ion:114 Resp: 1283110
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.4
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.389 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

Tgt Ion:113 Resp: 405807
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 19.7 15.8 23.8

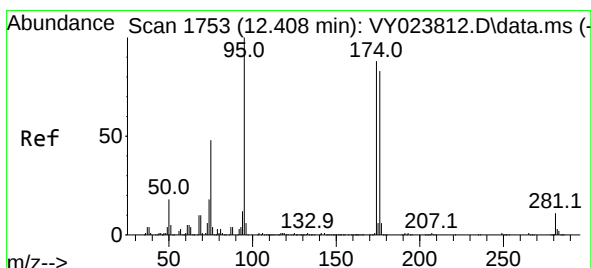
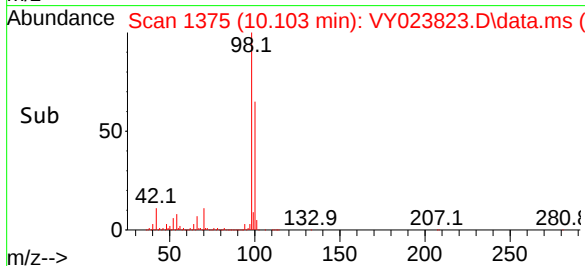
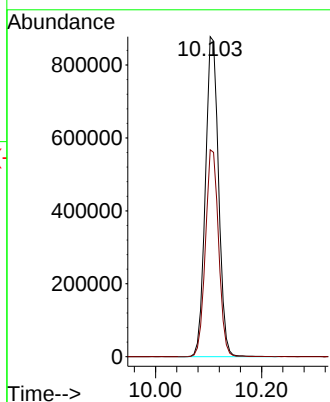
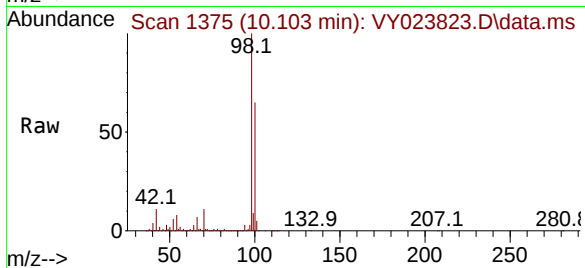




#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

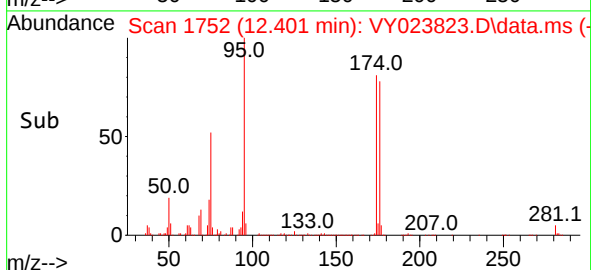
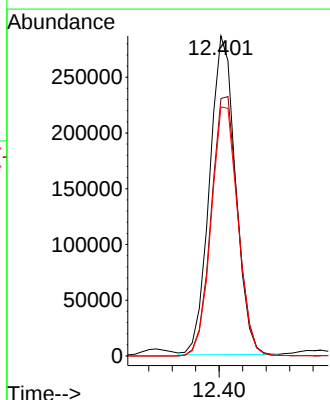
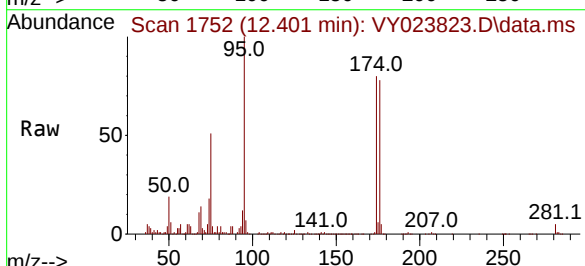
Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

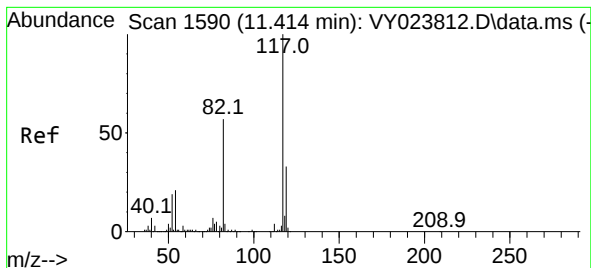
Tgt Ion: 98 Resp: 1507452
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.065 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

Tgt Ion: 95 Resp: 437736
Ion Ratio Lower Upper
95 100
174 84.2 0.0 168.6
176 80.8 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY023823.D

Acq: 26 Nov 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-2-112525

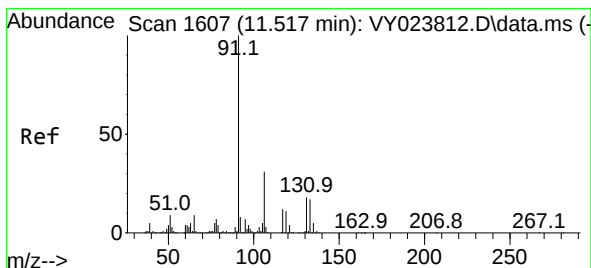
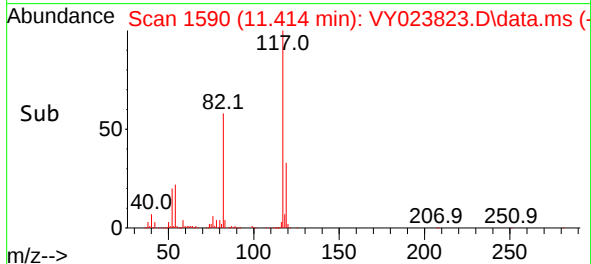
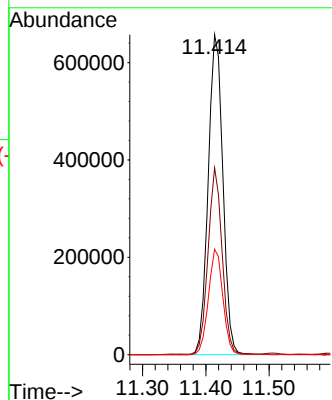
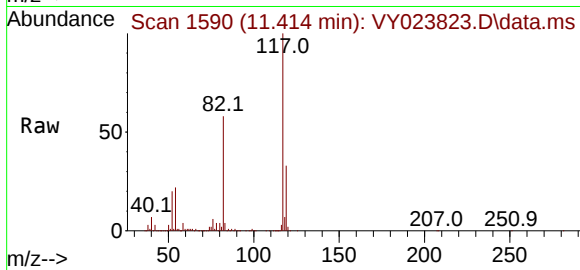
Tgt Ion:117 Resp: 1063040

Ion Ratio Lower Upper

117 100

82 58.2 45.4 68.0

119 32.9 26.0 39.0



#67

Ethyl Benzene

Concen: 1.007 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023823.D

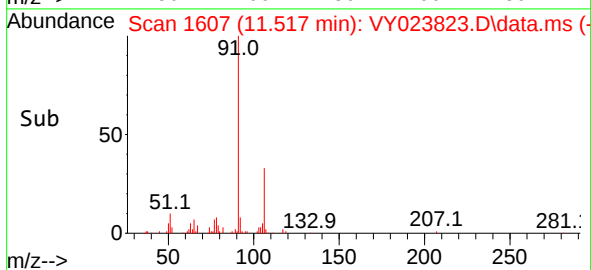
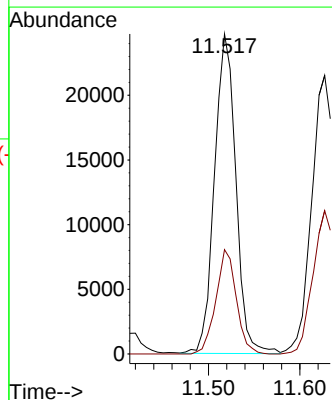
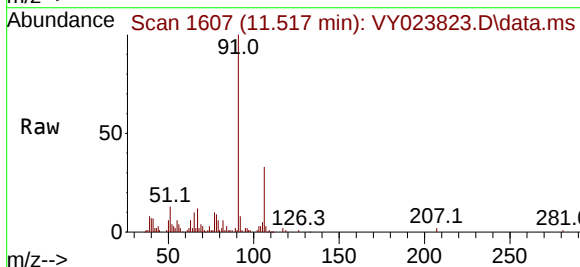
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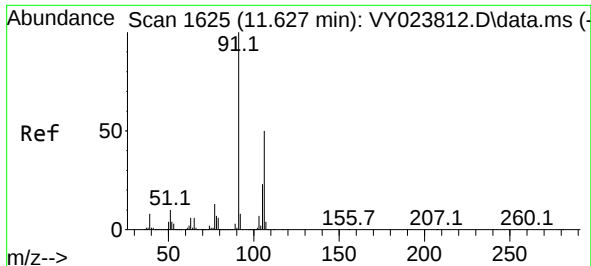
Tgt Ion: 91 Resp: 40127

Ion Ratio Lower Upper

91 100

106 32.7 24.9 37.3

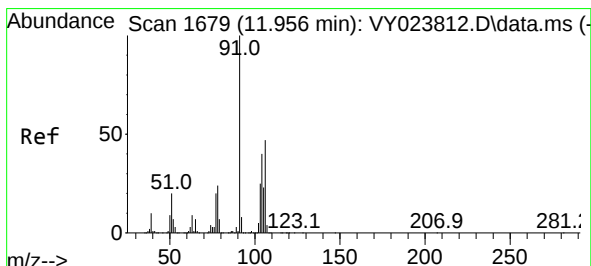
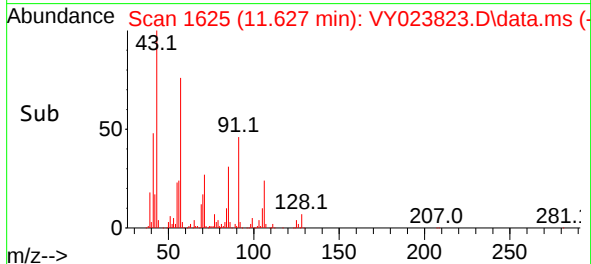
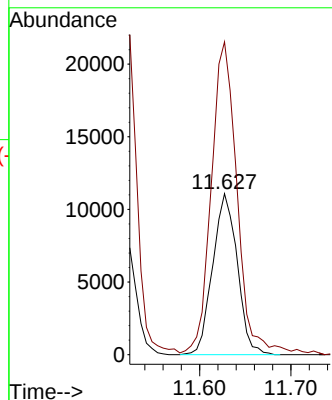
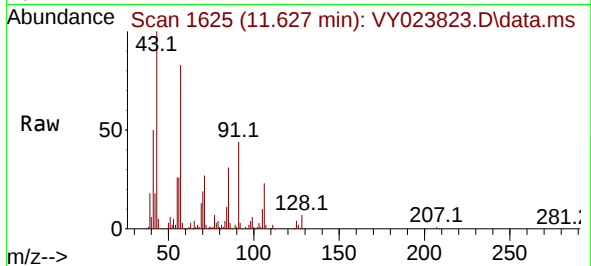




#68
m/p-Xylenes
Concen: 1.349 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

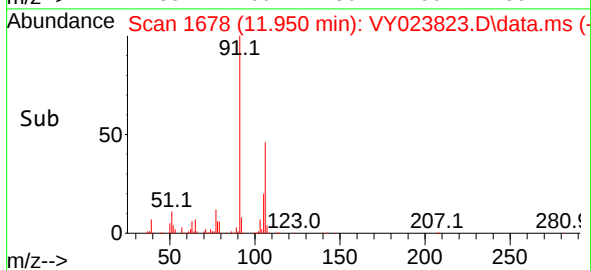
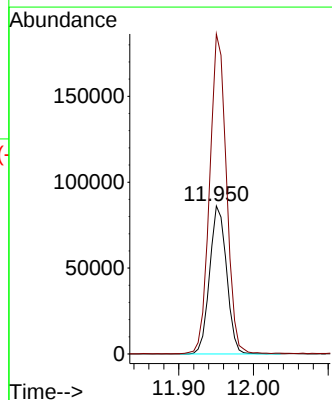
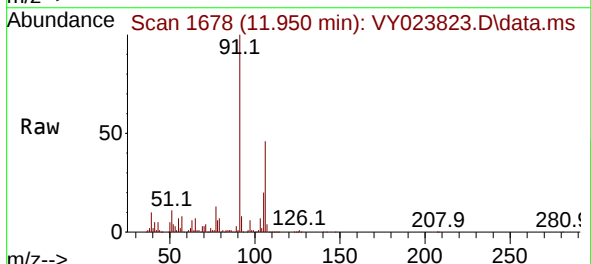
Instrument :
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ClientSampleId :
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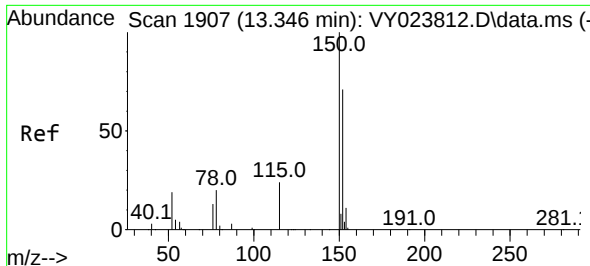
Tgt Ion:106 Resp: 20714
Ion Ratio Lower Upper
106 100
91 205.8 159.5 239.3



#69
o-Xylene
Concen: 9.436 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY023823.D
Acq: 26 Nov 2025 13:44

Tgt Ion:106 Resp: 135866
Ion Ratio Lower Upper
106 100
91 214.0 106.5 319.6

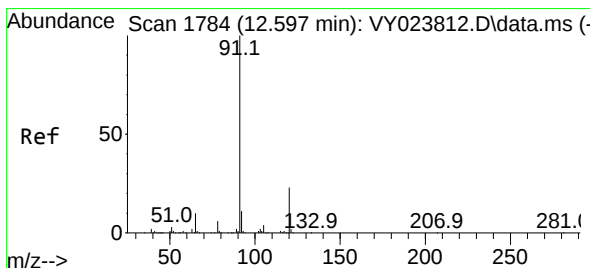
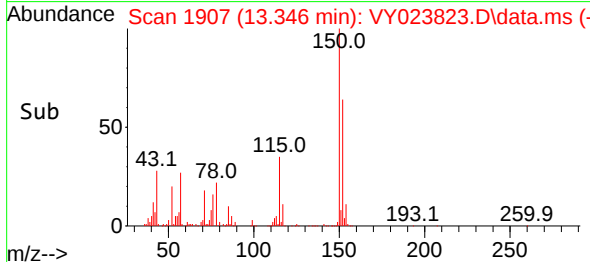
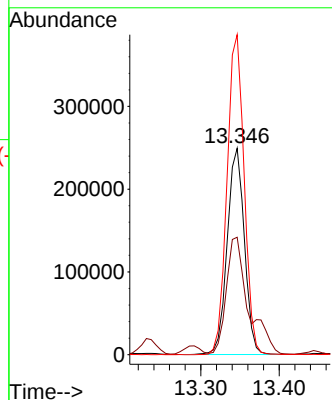
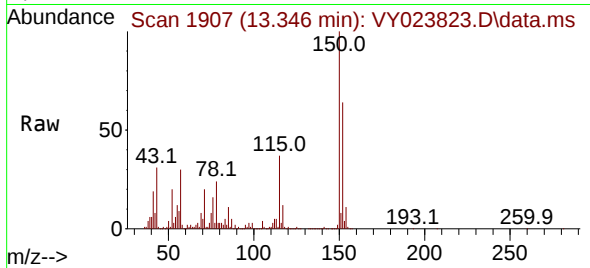




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023823.D
 Acq: 26 Nov 2025 13:44

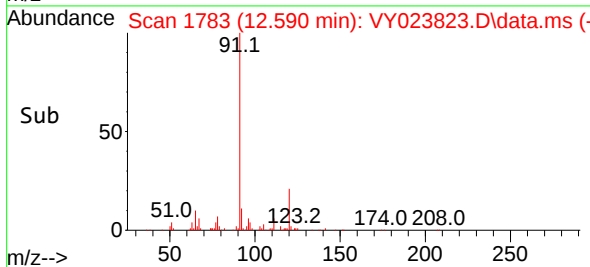
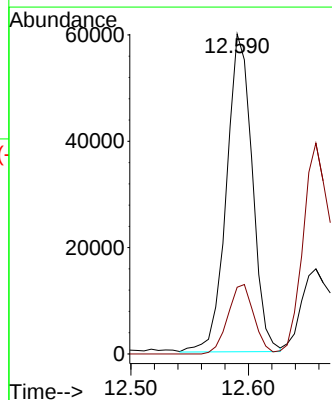
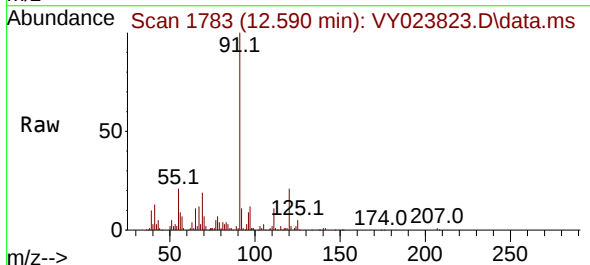
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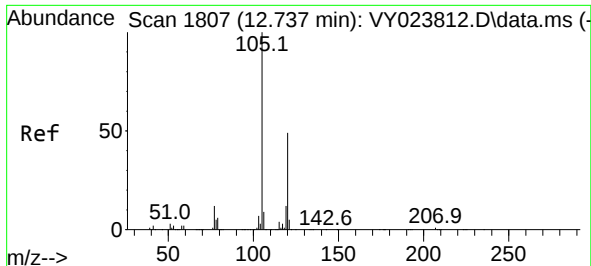
Tgt Ion:152 Resp: 379711
 Ion Ratio Lower Upper
 152 100
 115 73.1 28.7 86.3
 150 154.9 0.0 345.6



#78
 n-propylbenzene
 Concen: 2.810 ug/l
 RT: 12.590 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: VY023823.D
 Acq: 26 Nov 2025 13:44

Tgt Ion: 91 Resp: 91165
 Ion Ratio Lower Upper
 91 100
 120 22.0 11.6 34.8

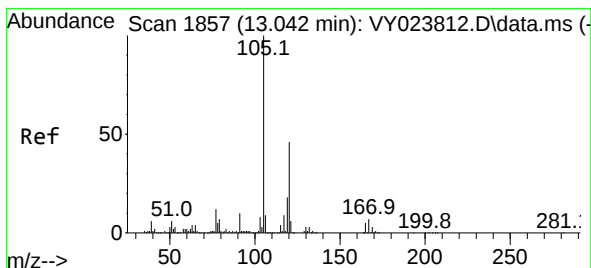
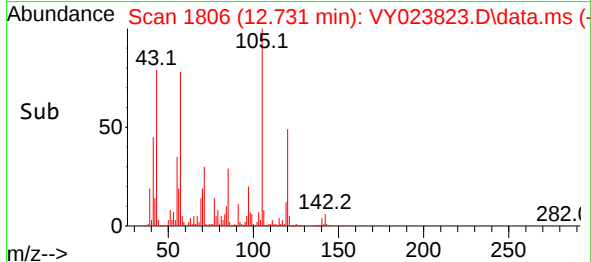
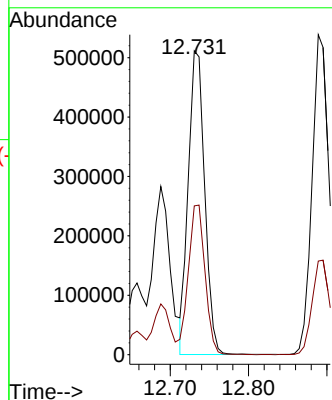
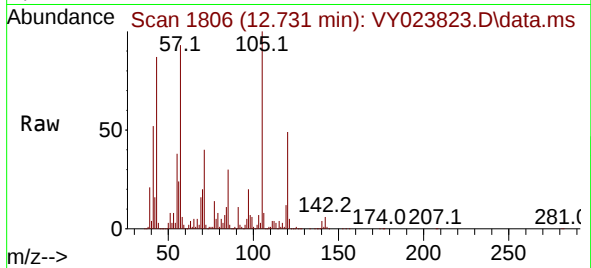




#80
 1,3,5-Trimethylbenzene
 Concen: 33.839 ug/l
 RT: 12.731 min Scan# 1806
 Delta R.T. -0.006 min
 Lab File: VY023823.D
 Acq: 26 Nov 2025 13:44

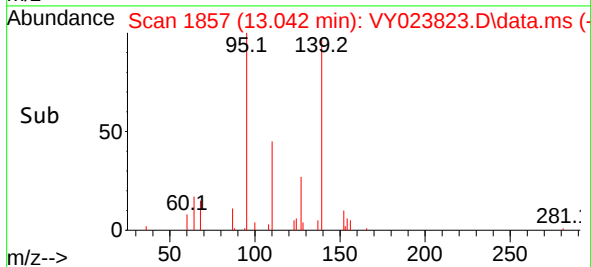
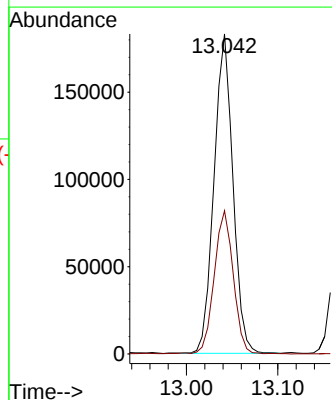
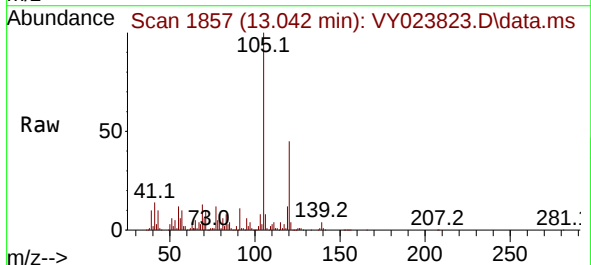
Instrument :
 MSVOA_Y
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 EO-2-112525

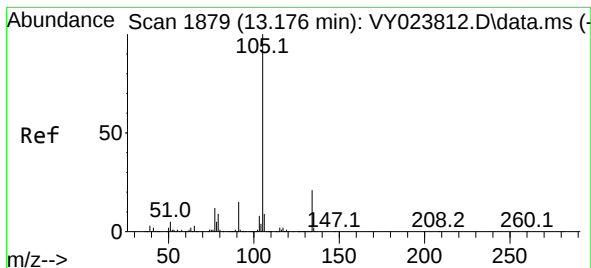
Tgt Ion:105 Resp: 744451
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 11.922 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY023823.D
 Acq: 26 Nov 2025 13:44

Tgt Ion:105 Resp: 262125
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.5 67.5





#85

sec-Butylbenzene

Concen: 5.514 ug/l

RT: 13.170 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY023823.D

Acq: 26 Nov 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

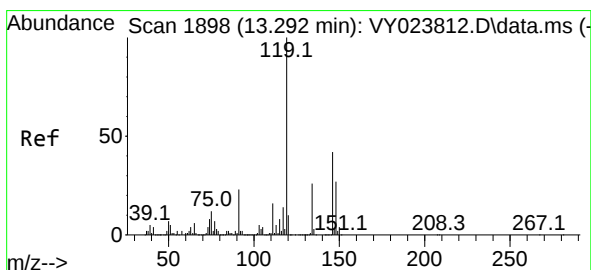
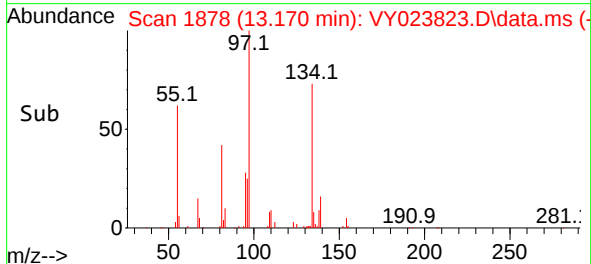
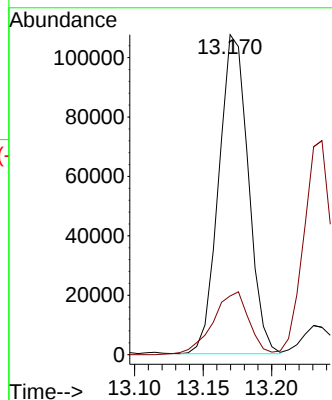
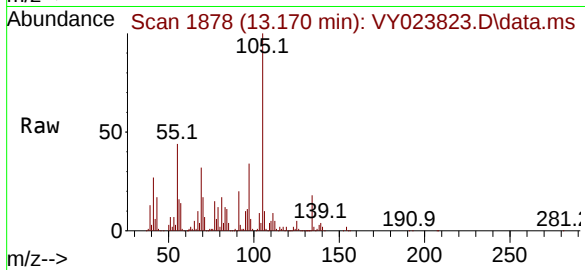
EO-2-112525

Tgt Ion:105 Resp: 160865

Ion Ratio Lower Upper

105 100

134 24.1 10.2 30.6



#86

p-Isopropyltoluene

Concen: 8.541 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY023823.D

Acq: 26 Nov 2025 13:44

Tgt Ion:119 Resp: 208276

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 21.9 11.5 34.4

