

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023346.D
 Acq On : 11 Sep 2025 13:44
 Operator : SY/MD
 Sample : Q3080-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-091125

Quant Time: Sep 12 01:27:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

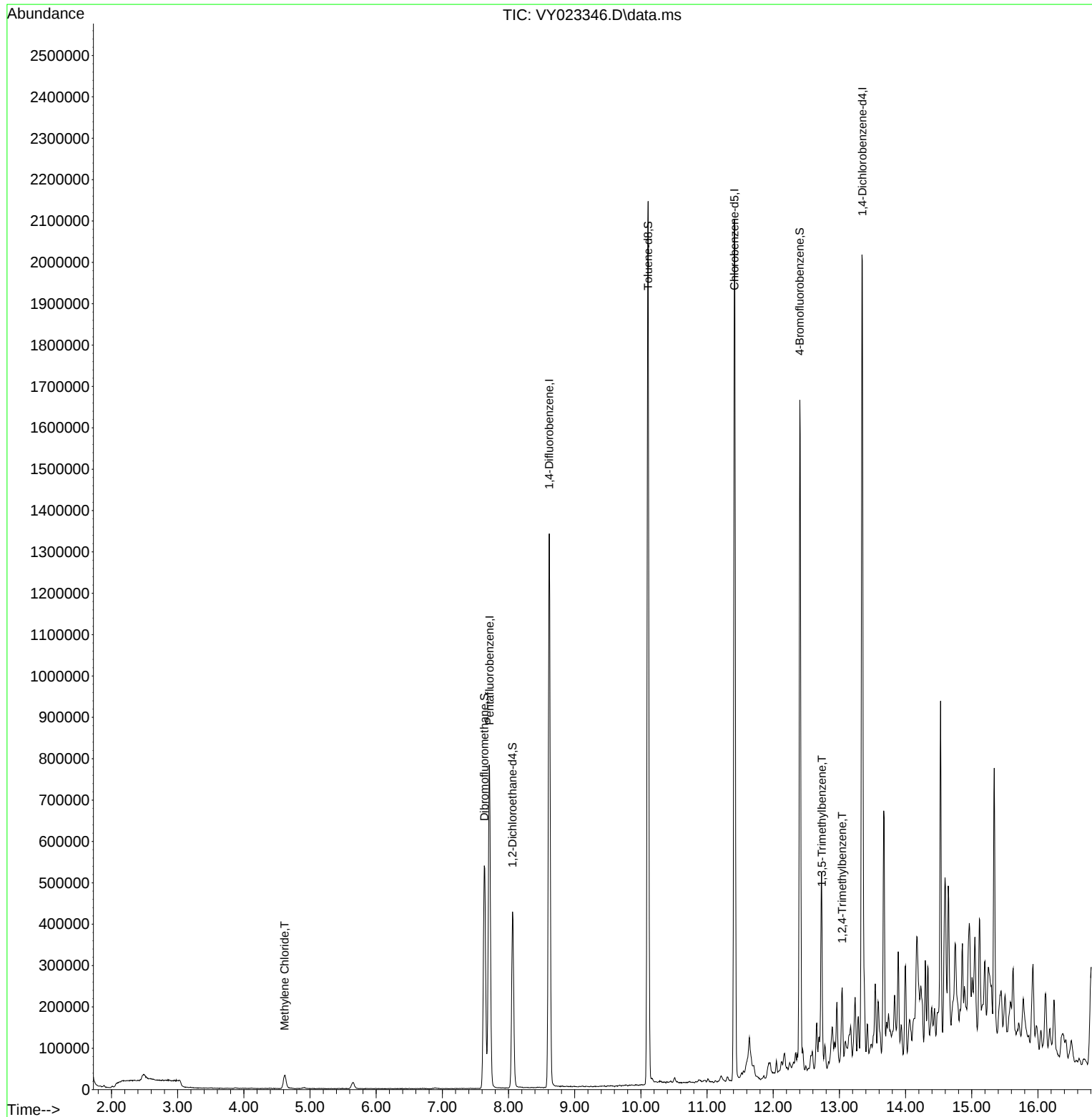
Internal Standards						
1) Pentafluorobenzene	7.713	168	647863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1205698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1169171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	525232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	331950	58.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.620%	
35) Dibromofluoromethane	7.634	113	388675	52.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.109	98	1448963	52.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.140%	
62) 4-Bromofluorobenzene	12.401	95	490531	56.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.020%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	26231	3.781	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	41126	1.429	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	93173	3.273	ug/l	99

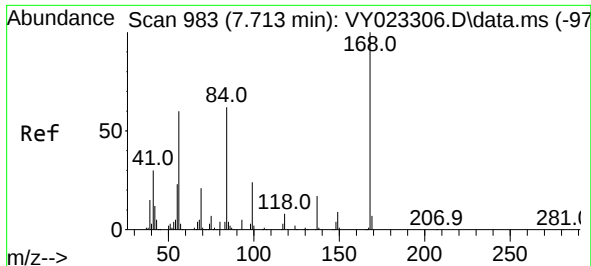
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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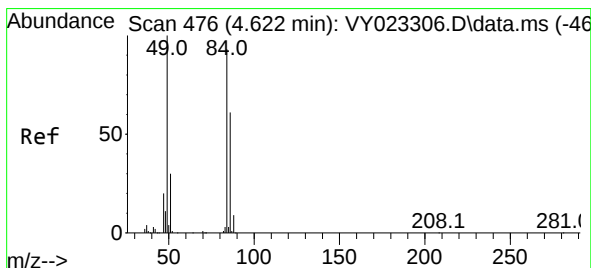
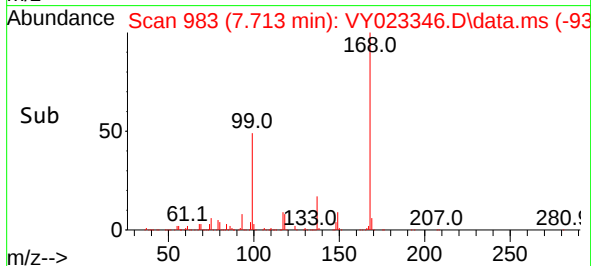
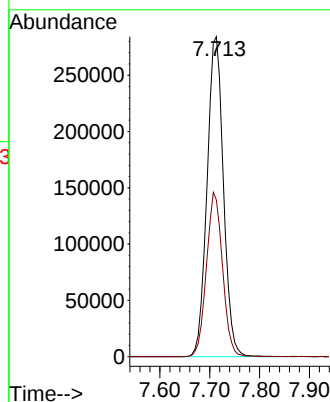
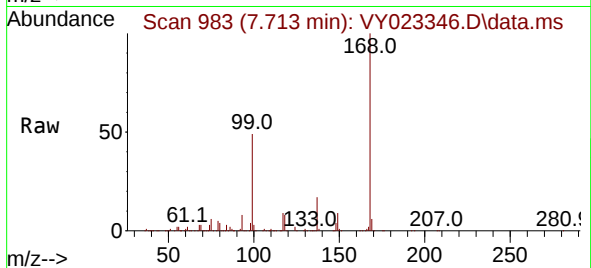




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

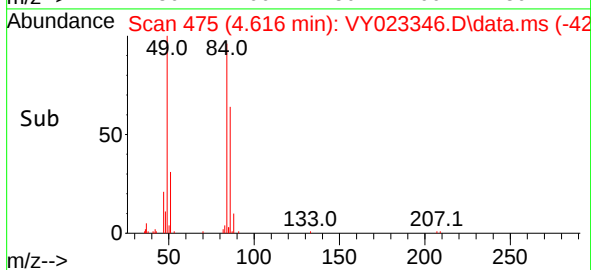
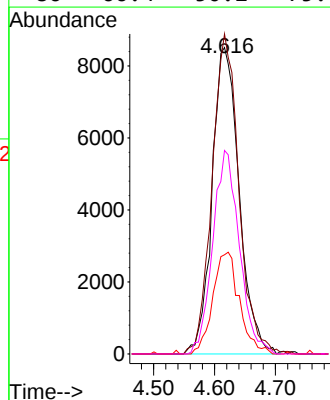
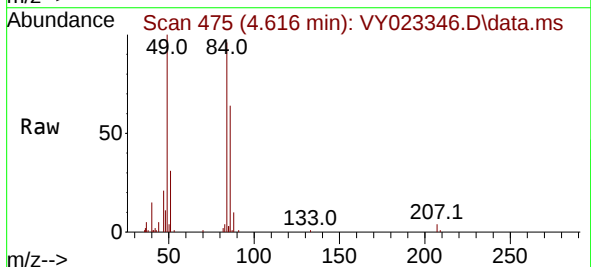
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091125

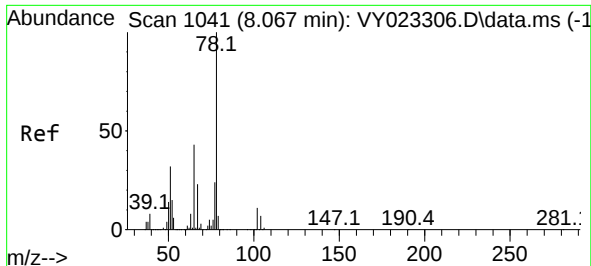
Tgt Ion:168 Resp: 647863
Ion Ratio Lower Upper
168 100
99 48.9 42.8 64.2



#20
Methylene Chloride
Concen: 3.781 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 84 Resp: 26231
Ion Ratio Lower Upper
84 100
49 104.4 93.0 139.6
51 32.4 29.0 43.4
86 66.4 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 58.310 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

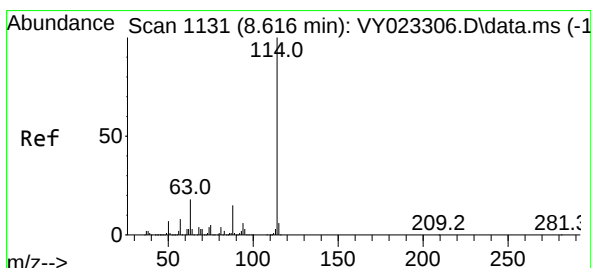
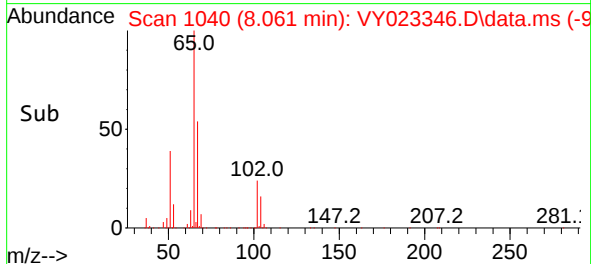
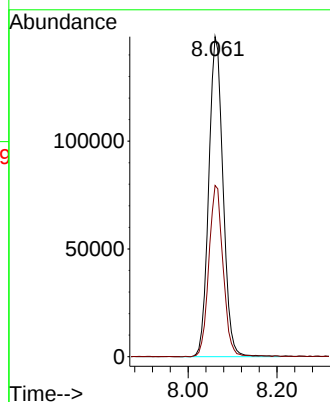
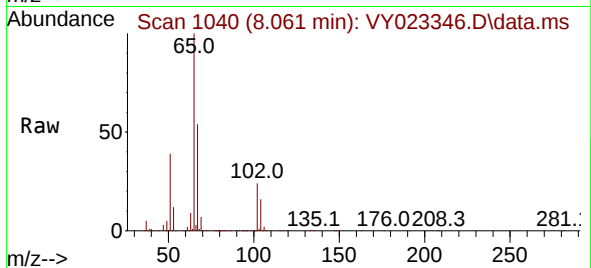
EO-03-091125

Tgt Ion: 65 Resp: 331950

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

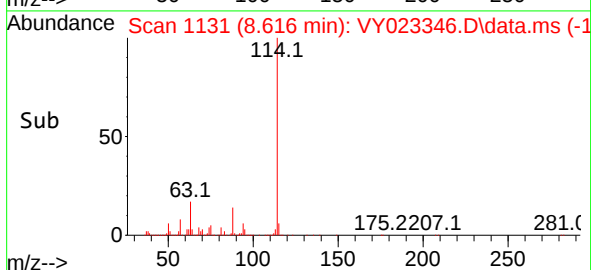
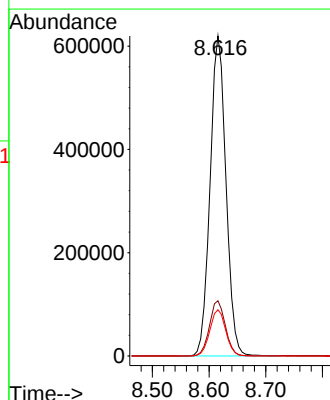
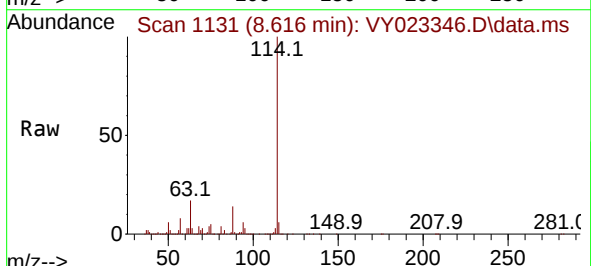
Tgt Ion:114 Resp: 1205698

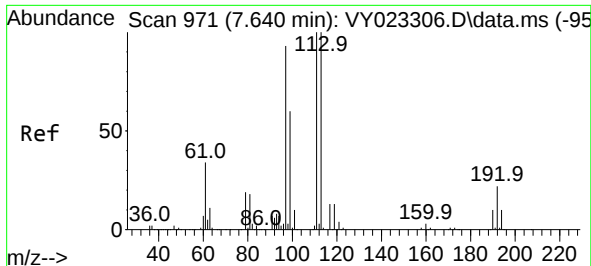
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.5 0.0 30.0

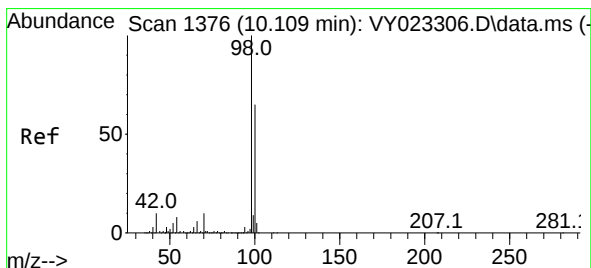
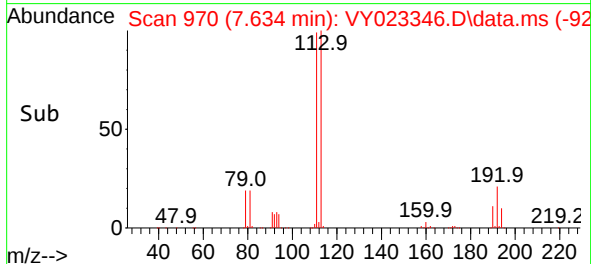
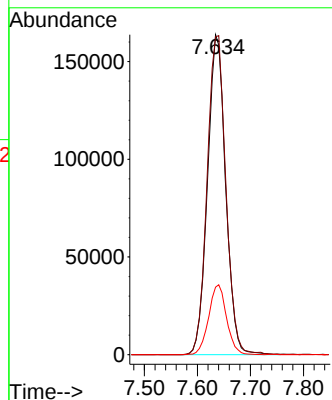
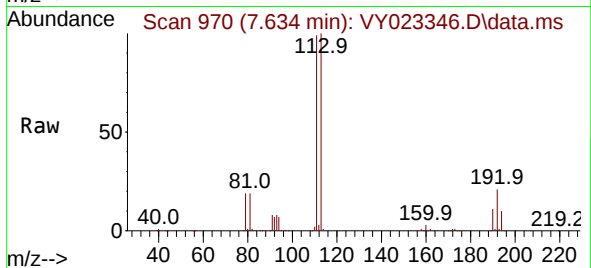




#35
Dibromofluoromethane
Concen: 52.737 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

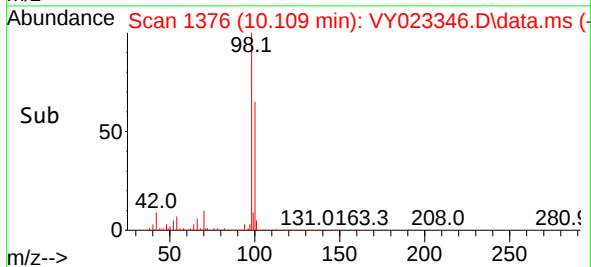
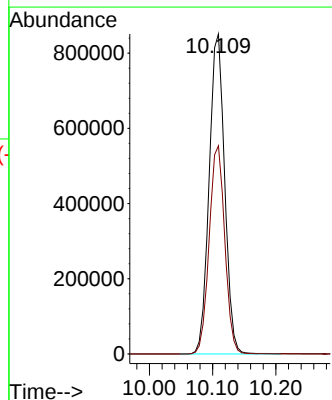
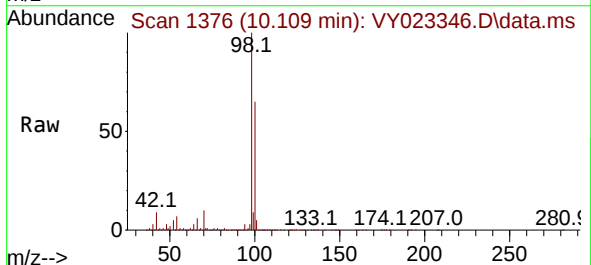
Instrument :
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ClientSampleId :
EO-03-091125

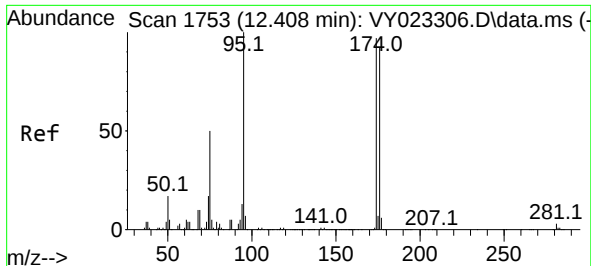
Tgt Ion:113 Resp: 388675
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 21.6 16.2 24.4



#50
Toluene-d8
Concen: 52.066 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 98 Resp: 1448963
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

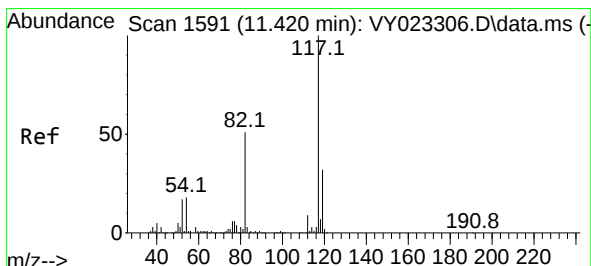
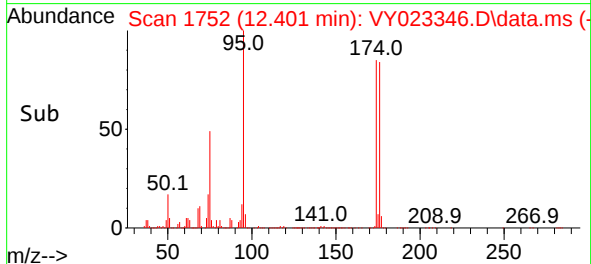
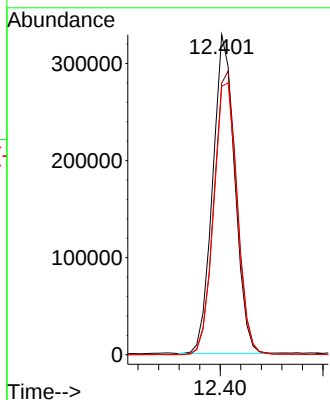
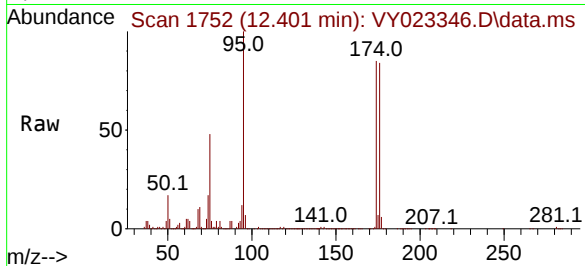




#62
4-Bromofluorobenzene
Concen: 56.010 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

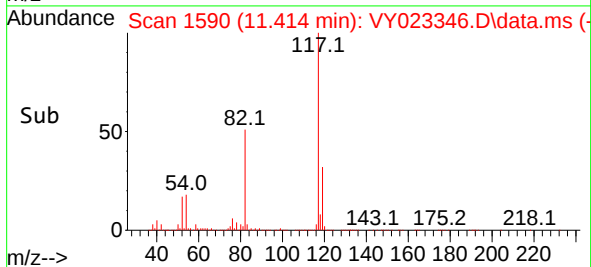
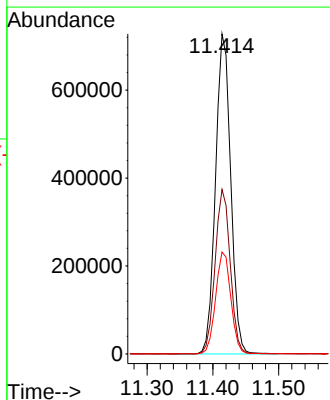
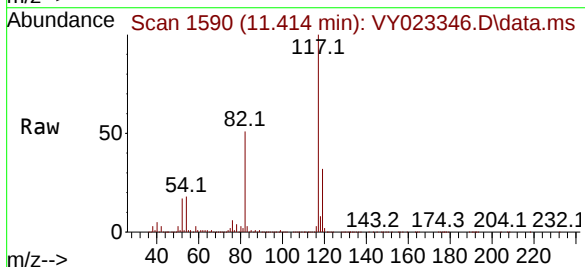
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091125

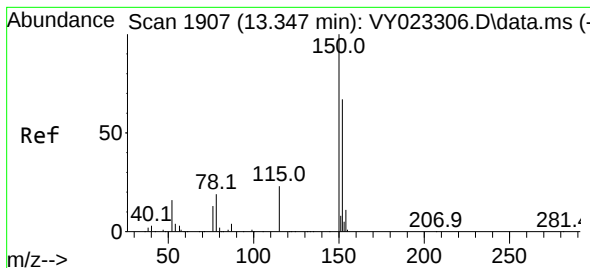
Tgt Ion: 95 Resp: 490531
Ion Ratio Lower Upper
95 100
174 93.2 0.0 171.6
176 90.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023346.D
Acq: 11 Sep 2025 13:44

Tgt Ion: 117 Resp: 1169171
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023346.D

Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125

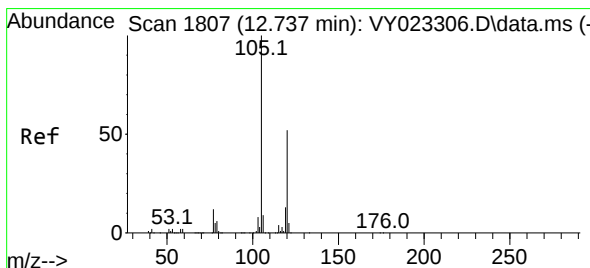
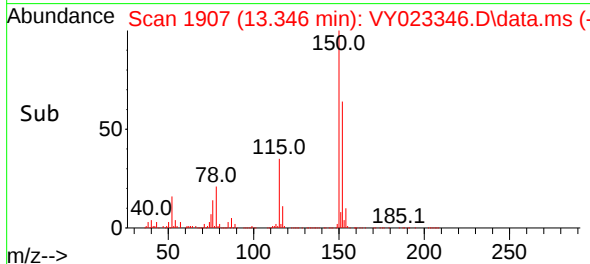
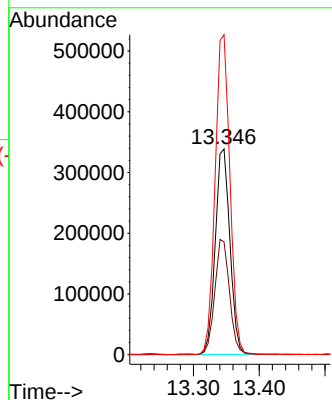
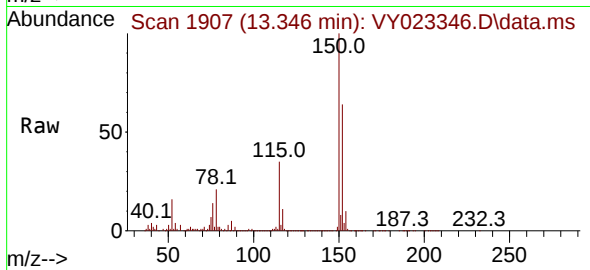
Tgt Ion:152 Resp: 525232

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.5 0.0 348.0



#80

1,3,5-Trimethylbenzene

Concen: 1.429 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023346.D

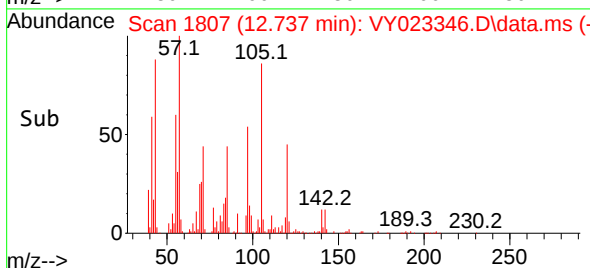
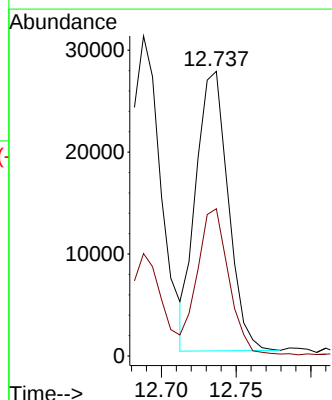
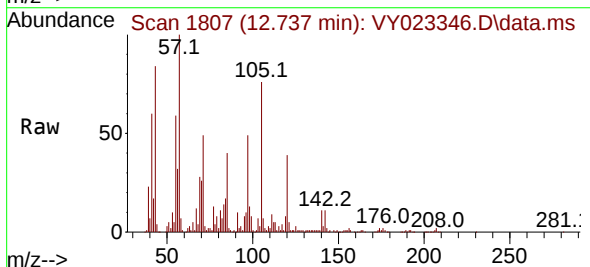
Acq: 11 Sep 2025 13:44

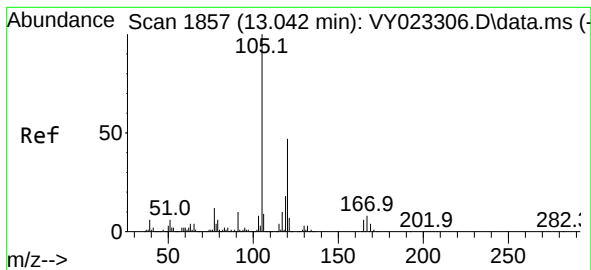
Tgt Ion:105 Resp: 41126

Ion Ratio Lower Upper

105 100

120 51.3 24.8 74.4





#84

1,2,4-Trimethylbenzene

Concen: 3.273 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023346.D

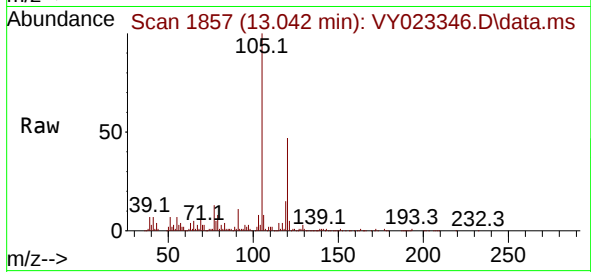
Acq: 11 Sep 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091125



Tgt Ion:105 Resp: 93173

Ion Ratio Lower Upper

105 100

120 45.6 23.0 69.0

