

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023380.D
 Acq On : 25 Sep 2025 17:40
 Operator : SY/MD
 Sample : Q3212-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-092525

Quant Time: Sep 26 04:27:52 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)

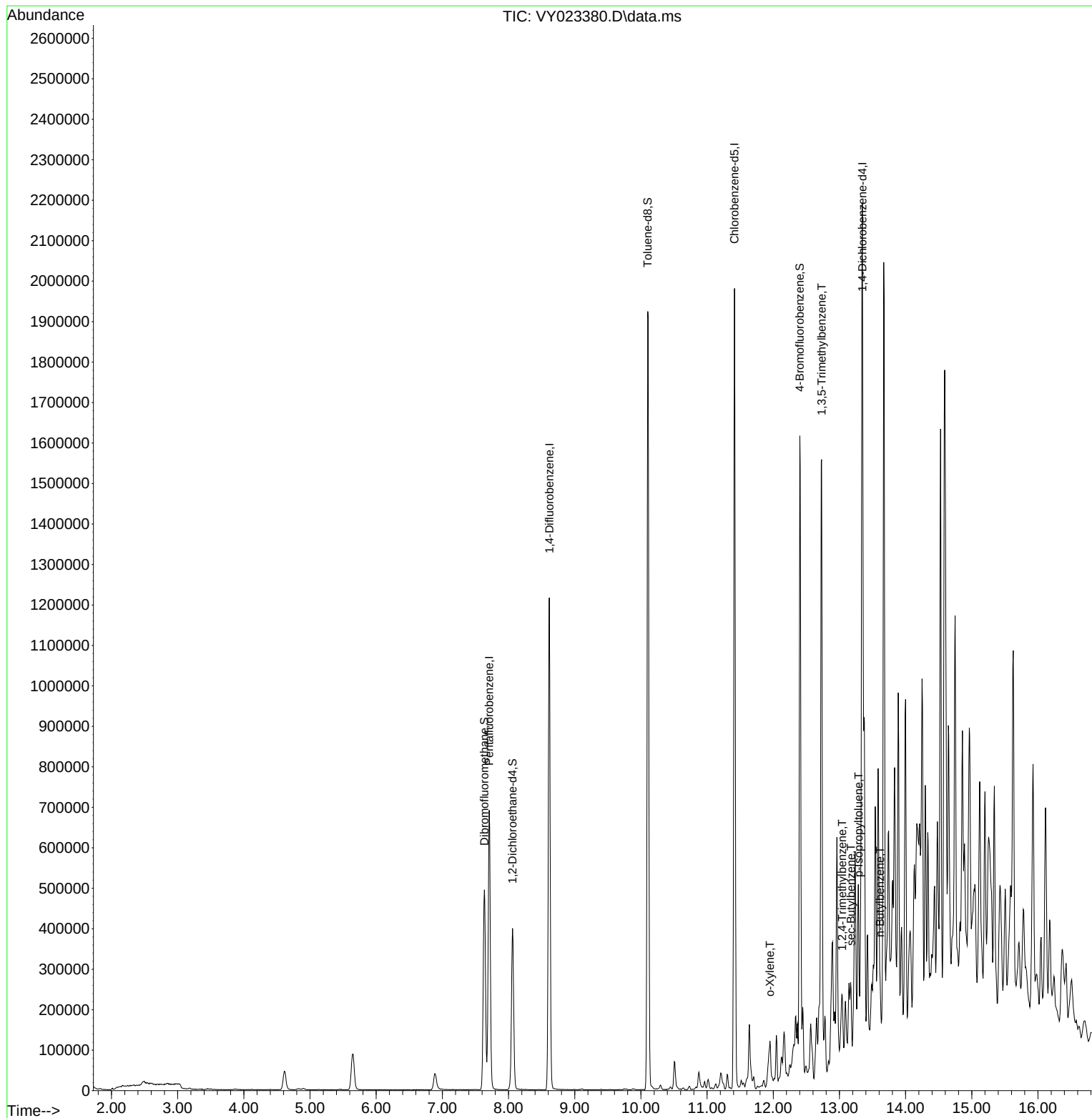
Internal Standards						
1) Pentafluorobenzene	7.707	168	556371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1071407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1073599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	510257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	305117	62.410	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.820%	
35) Dibromofluoromethane	7.634	113	356089	54.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.103	98	1291037	52.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.420%	
62) 4-Bromofluorobenzene	12.401	95	458474	58.911	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 117.820%	
Target Compounds						
					Qvalue	
69) o-Xylene	11.950	106	23159	1.626	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	166782	5.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	64476	2.331	ug/l	99
85) sec-Butylbenzene	13.176	105	72388	1.965	ug/l	85
86) p-Isopropyltoluene	13.291	119	62744	2.016	ug/l	98
89) n-Butylbenzene	13.615	91	53509	1.939	ug/l #	71

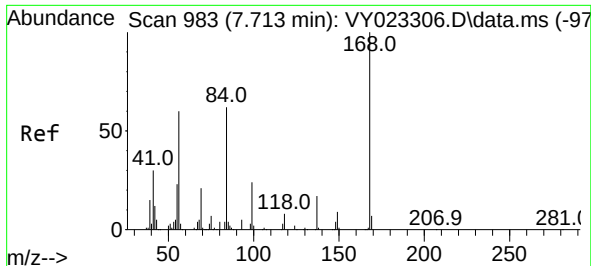
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 10 01:44:33 2025
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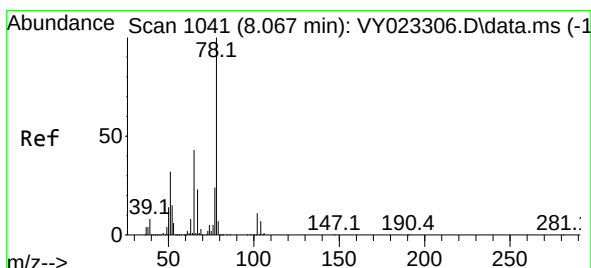
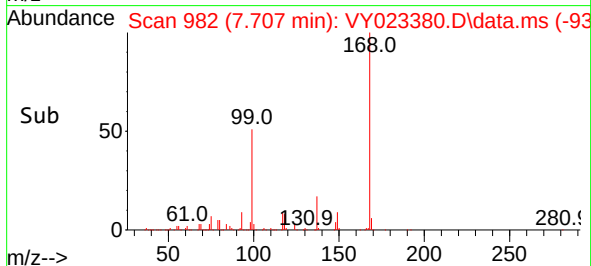
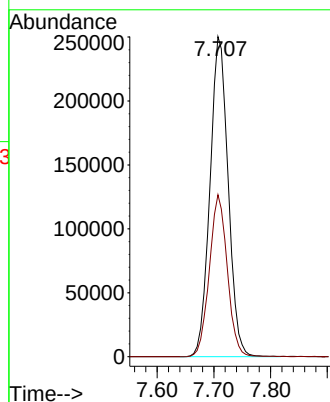
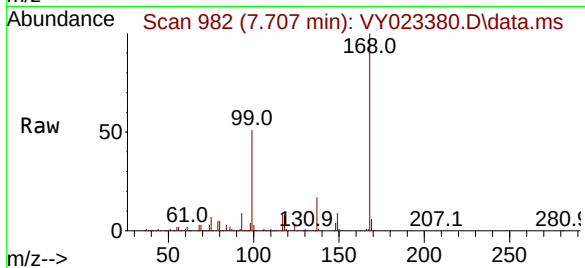




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

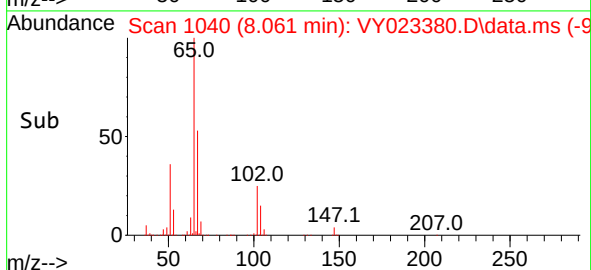
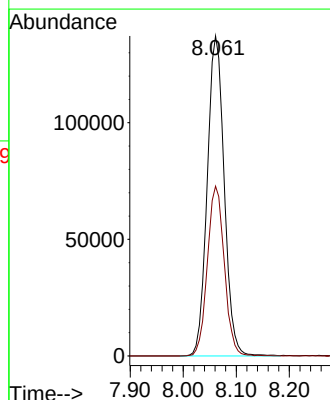
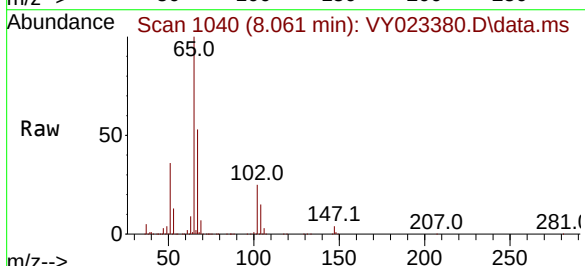
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-092525

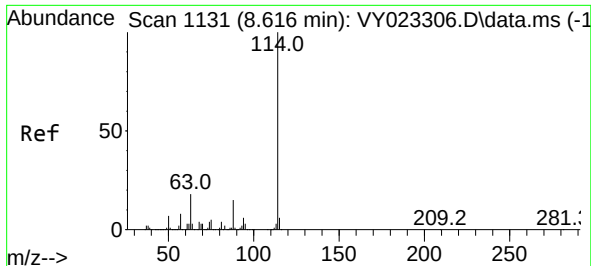
Tgt Ion:168 Resp: 556371
Ion Ratio Lower Upper
168 100
99 50.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 62.410 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

Tgt Ion: 65 Resp: 305117
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

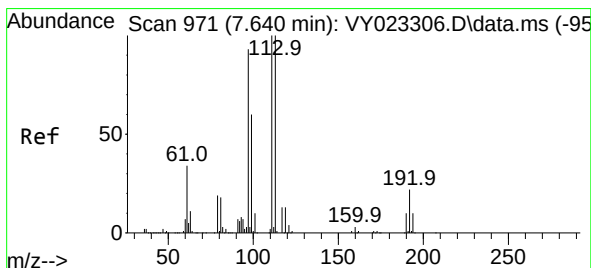
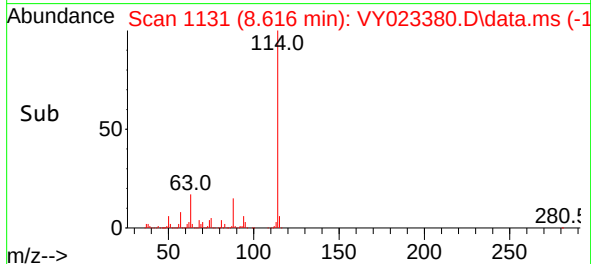
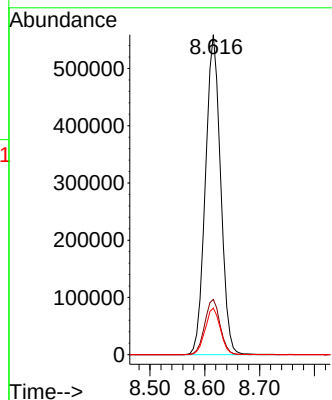
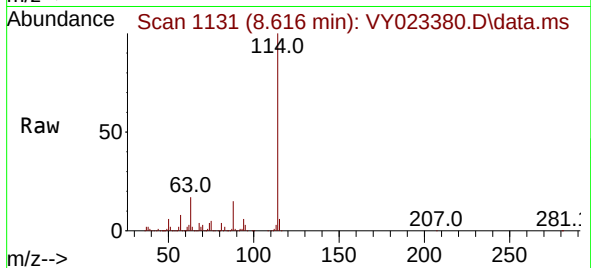




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

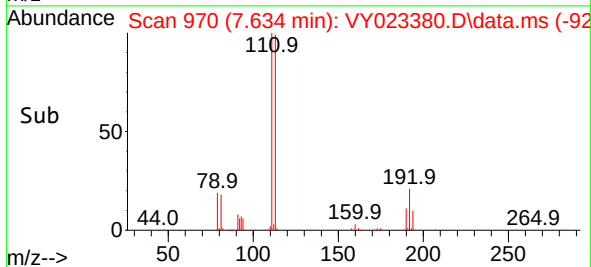
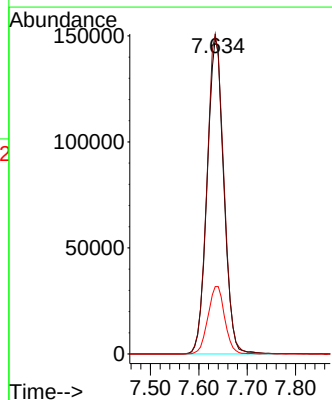
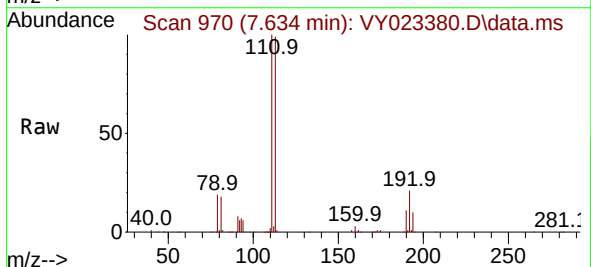
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-092525

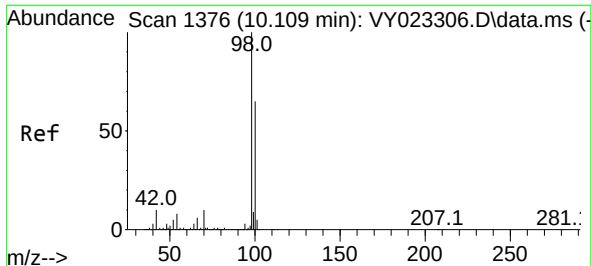
Tgt Ion:114 Resp: 1071407
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.372 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

Tgt Ion:113 Resp: 356089
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 21.5 16.2 24.4

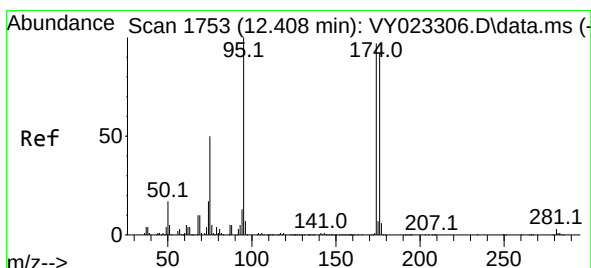
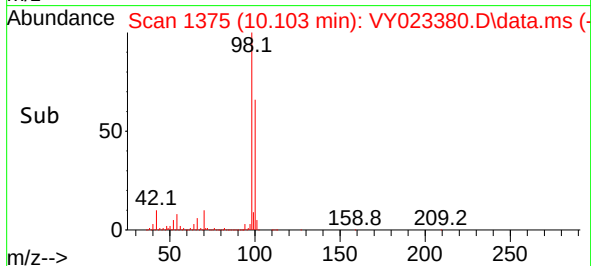
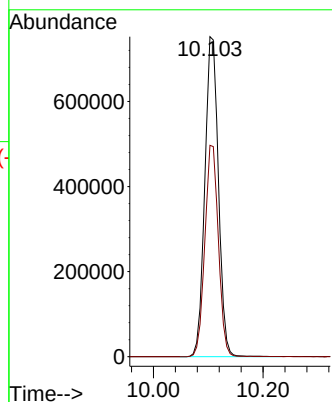
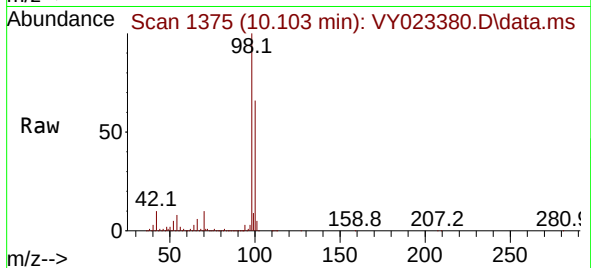




#50
Toluene-d8
Concen: 52.205 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

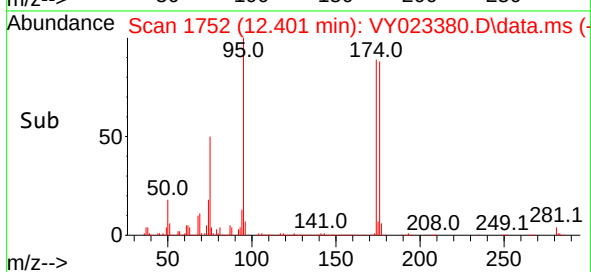
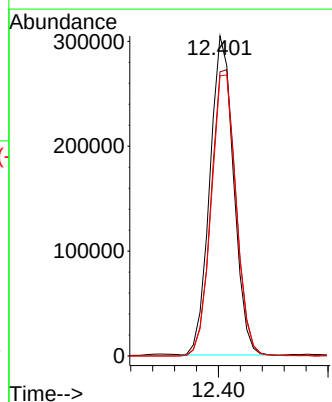
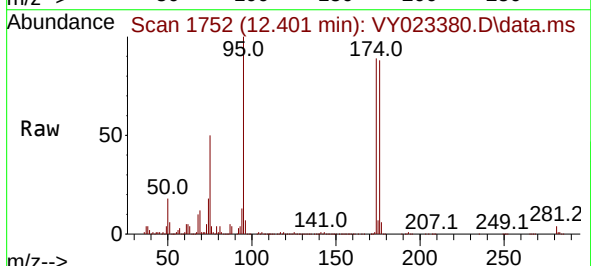
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-092525

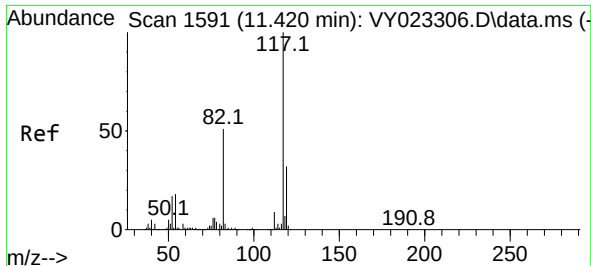
Tgt Ion: 98 Resp: 1291037
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 58.911 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

Tgt Ion: 95 Resp: 458474
Ion Ratio Lower Upper
95 100
174 94.5 0.0 171.6
176 92.2 0.0 167.6

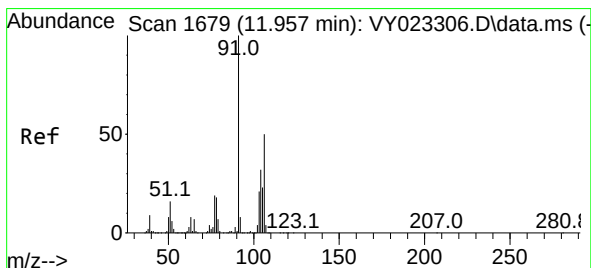
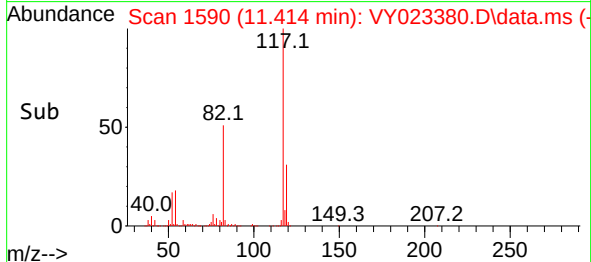
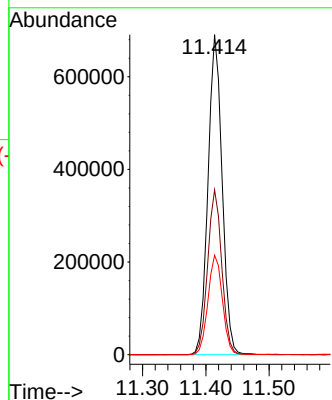
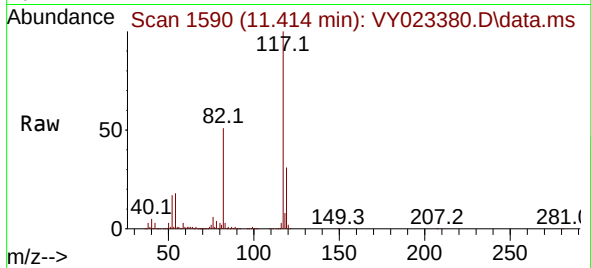




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

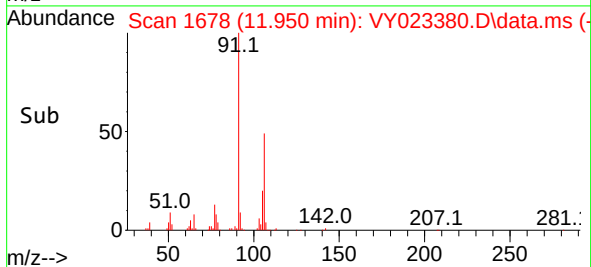
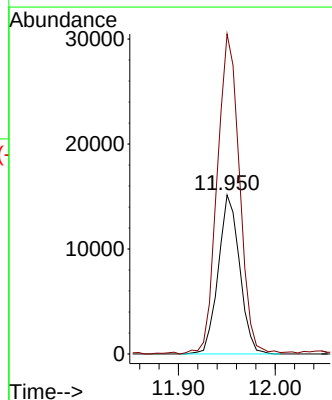
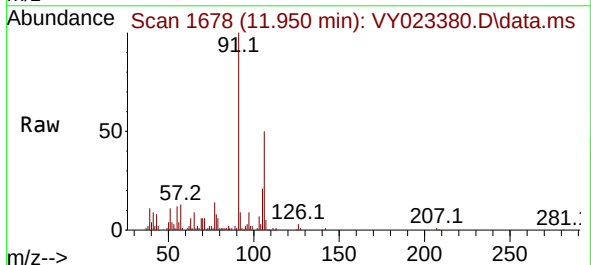
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-092525

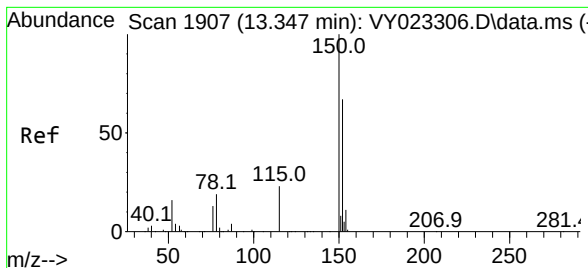
Tgt Ion:117 Resp: 1073599
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.0
119 31.1 25.6 38.4



#69
o-Xylene
Concen: 1.626 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

Tgt Ion:106 Resp: 23159
Ion Ratio Lower Upper
106 100
91 210.7 103.2 309.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023380.D

Acq: 25 Sep 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-092525

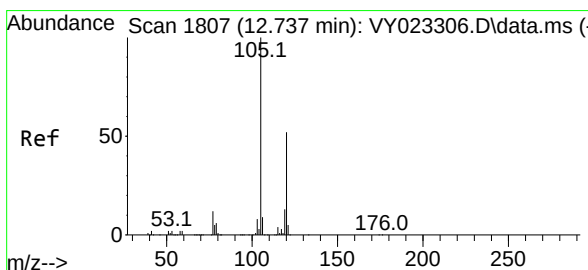
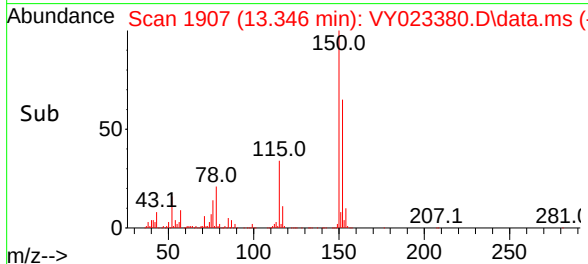
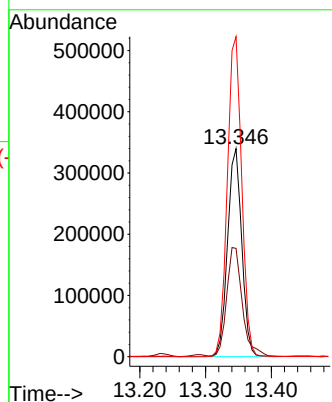
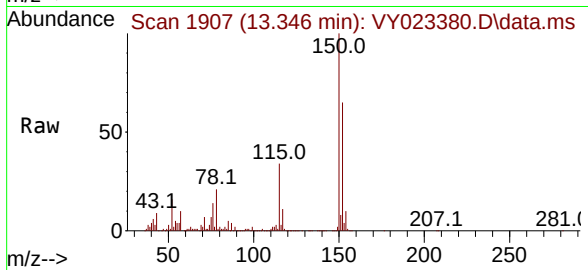
Tgt Ion:152 Resp: 510257

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 155.6 0.0 348.0



#80

1,3,5-Trimethylbenzene

Concen: 5.966 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023380.D

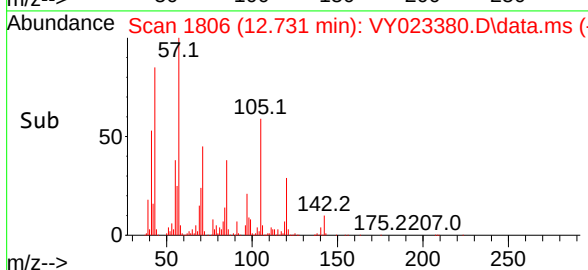
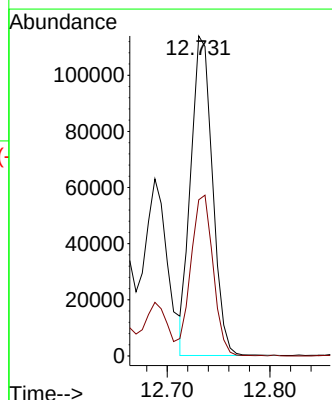
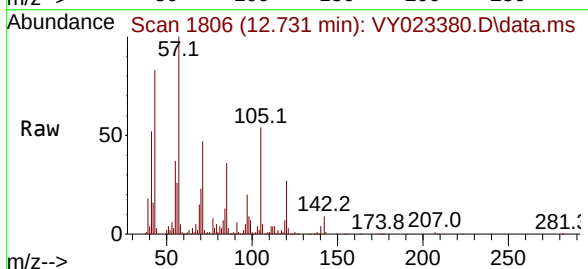
Acq: 25 Sep 2025 17:40

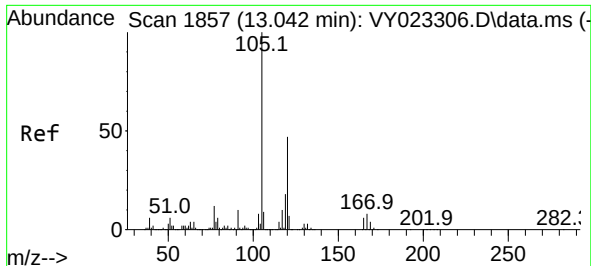
Tgt Ion:105 Resp: 166782

Ion Ratio Lower Upper

105 100

120 52.1 24.8 74.4

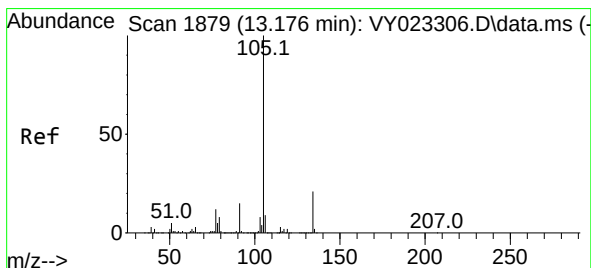
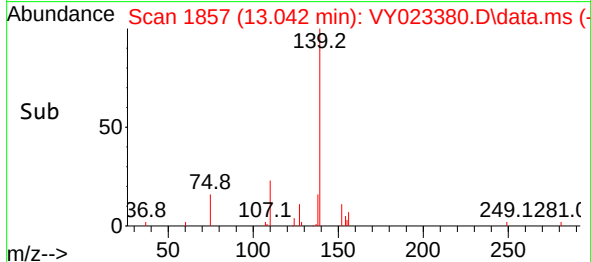
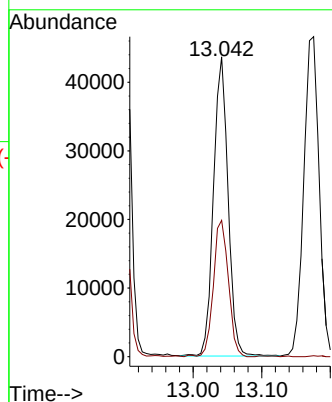
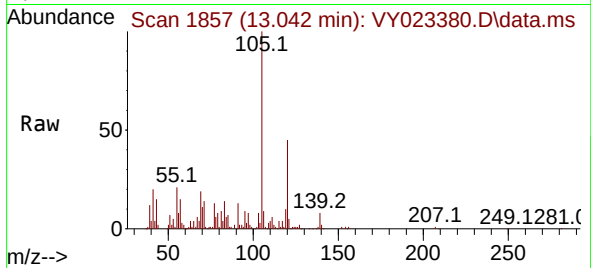




#84
1,2,4-Trimethylbenzene
Concen: 2.331 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

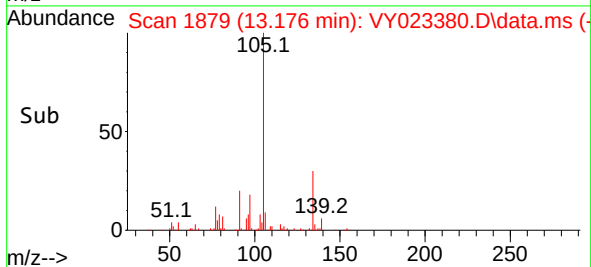
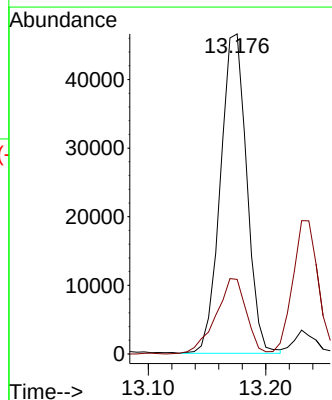
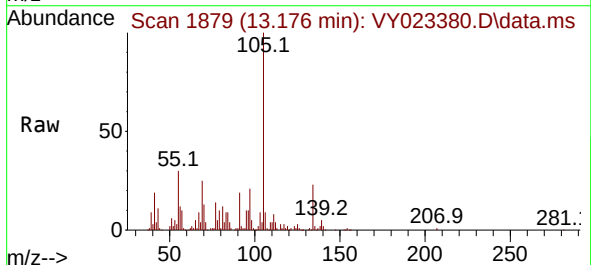
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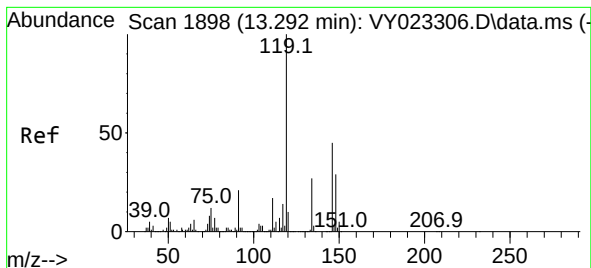
Tgt Ion:105 Resp: 64476
Ion Ratio Lower Upper
105 100
120 46.9 23.0 69.0



#85
sec-Butylbenzene
Concen: 1.965 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VY023380.D
Acq: 25 Sep 2025 17:40

Tgt Ion:105 Resp: 72388
Ion Ratio Lower Upper
105 100
134 27.4 10.2 30.4





#86

p-Isopropyltoluene

Concen: 2.016 ug/l

RT: 13.291 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY023380.D

Acq: 25 Sep 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-092525

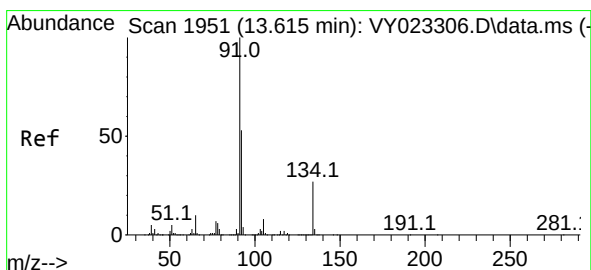
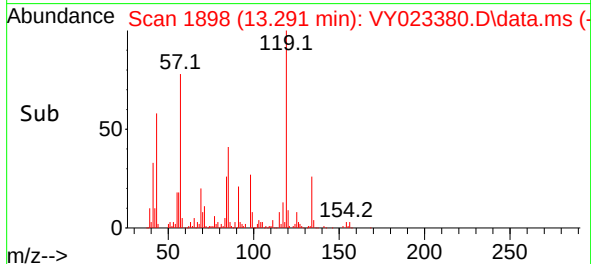
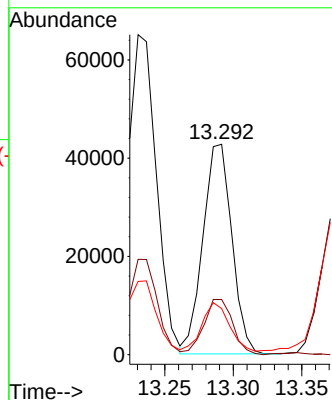
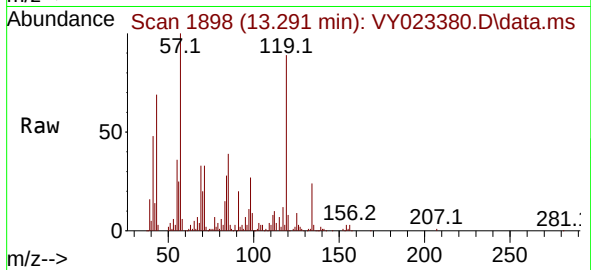
Tgt Ion:119 Resp: 62744

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 20.9 11.3 33.8



#89

n-Butylbenzene

Concen: 1.939 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023380.D

Acq: 25 Sep 2025 17:40

Tgt Ion: 91 Resp: 53509

Ion Ratio Lower Upper

91 100

92 66.5 26.9 80.7

134 0.0 13.2 39.5#

