

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023949.D
 Acq On : 11 Dec 2025 12:52
 Operator : SY/MD
 Sample : Q3809-06
 Misc : 2.68g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-2

Quant Time: Dec 12 03:22:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

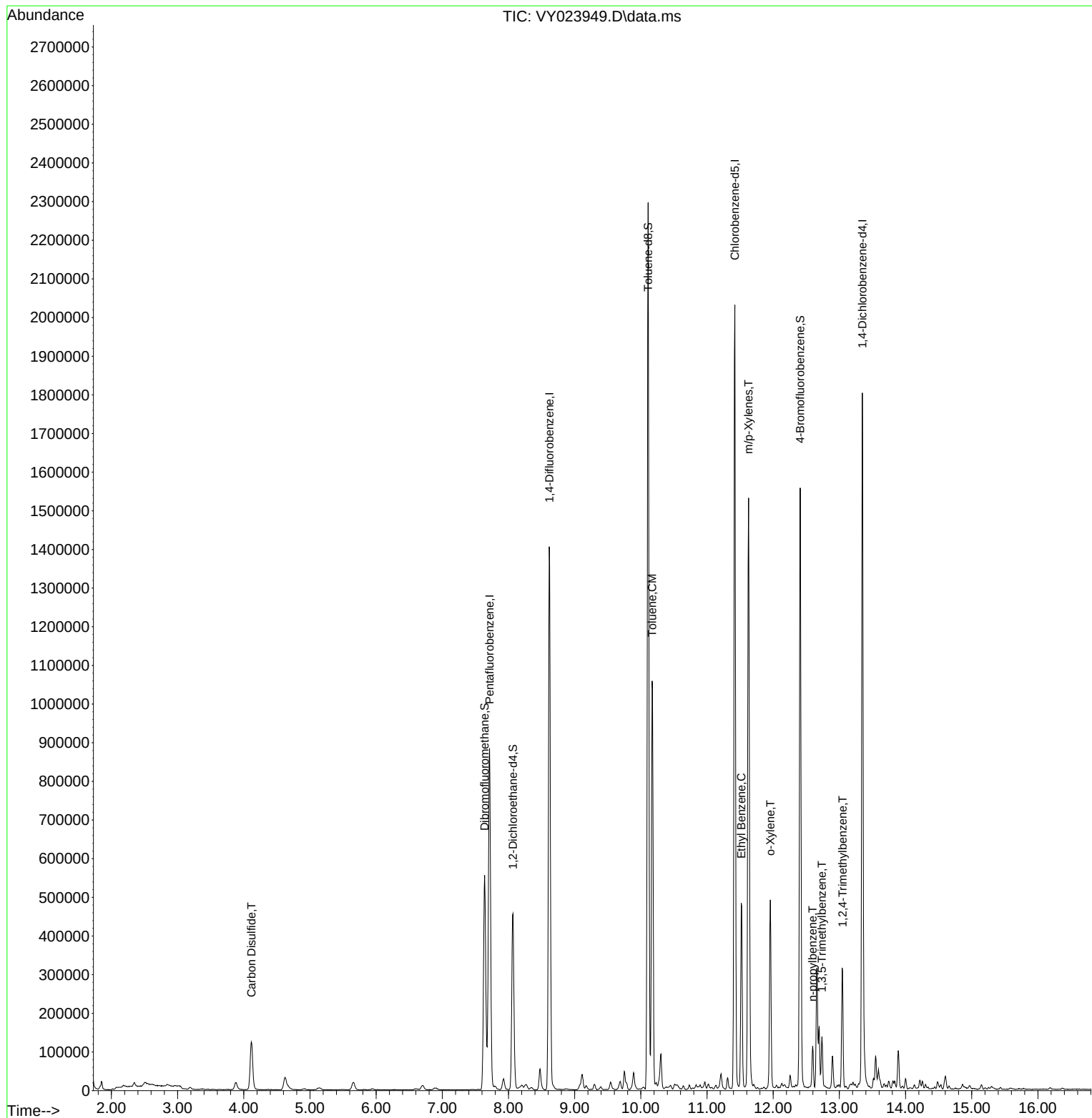
Internal Standards						
1) Pentafluorobenzene	7.713	168	723979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1258163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1108714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	472166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	364124	56.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.780%
35) Dibromofluoromethane	7.640	113	397793	48.367	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.740%
50) Toluene-d8	10.109	98	1454233	47.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.980%
62) 4-Bromofluorobenzene	12.408	95	450124	44.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.040%
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.116	76	259729	14.886	ug/l	99
52) Toluene	10.170	92	453463	20.098	ug/l	98
67) Ethyl Benzene	11.517	91	334946	7.781	ug/l	99
68) m/p-Xylenes	11.627	106	467042	27.332	ug/l	99
69) o-Xylene	11.956	106	131754	8.242	ug/l	99
78) n-propylbenzene	12.597	91	80220	1.998	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	55498	2.016	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	169604	6.219	ug/l	99

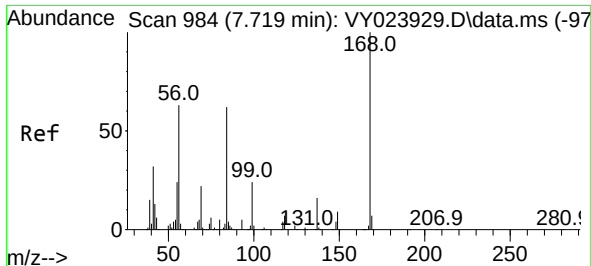
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023949.D
Acq On : 11 Dec 2025 12:52
Operator : SY/MD
Sample : Q3809-06
Misc : 2.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-2

Quant Time: Dec 12 03:22:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration

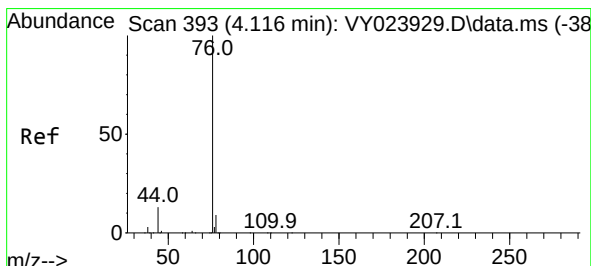
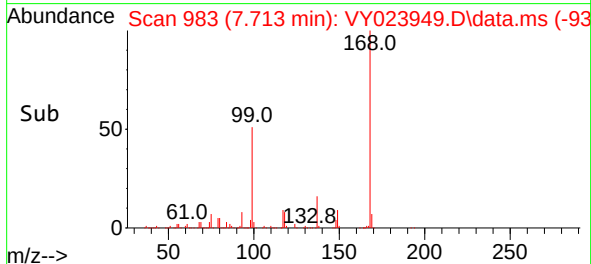
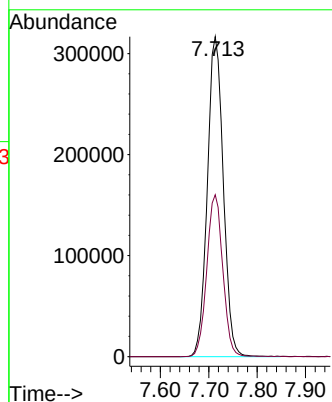
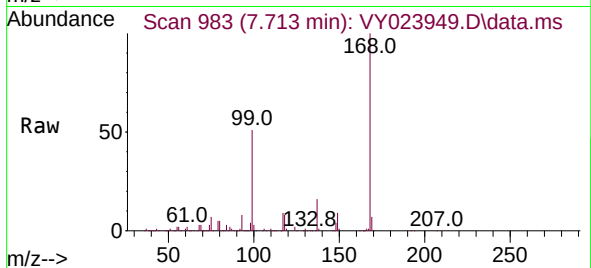




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

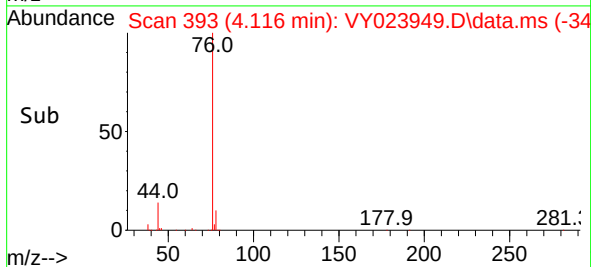
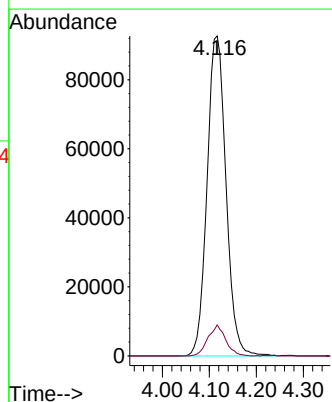
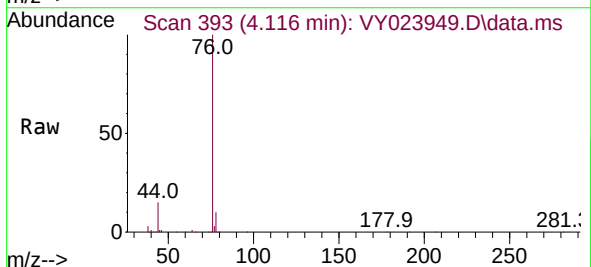
Instrument :
MSVOA_Y
ClientSampleId :
B-2

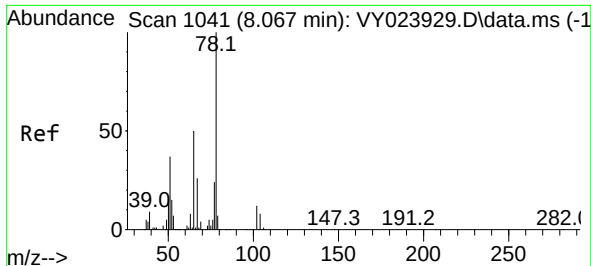
Tgt Ion:168 Resp: 723979
Ion Ratio Lower Upper
168 100
99 50.6 38.9 58.3



#17
Carbon Disulfide
Concen: 14.886 ug/l
RT: 4.116 min Scan# 393
Delta R.T. -0.000 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

Tgt Ion: 76 Resp: 259729
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2





#33

1,2-Dichloroethane-d4

Concen: 56.885 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

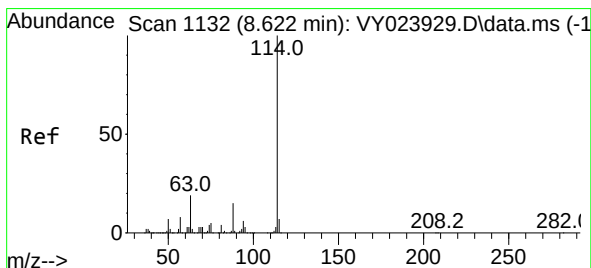
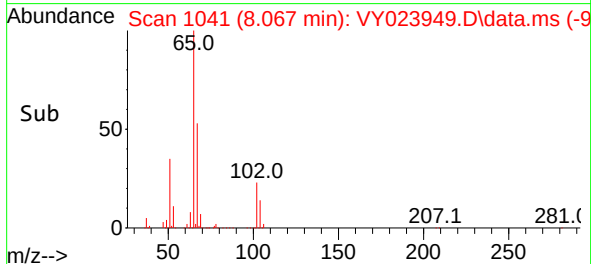
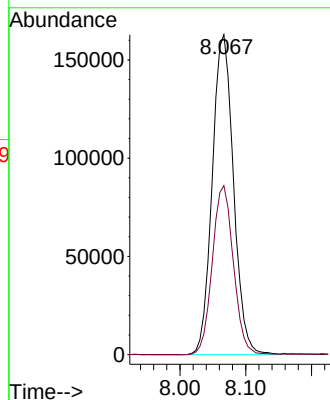
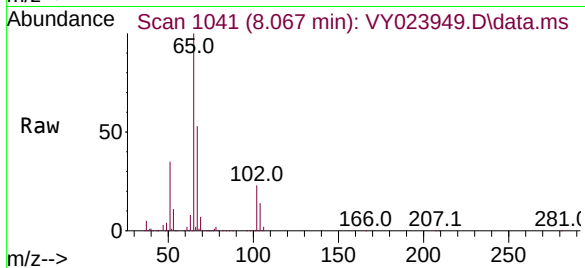
B-2

Tgt Ion: 65 Resp: 364124

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

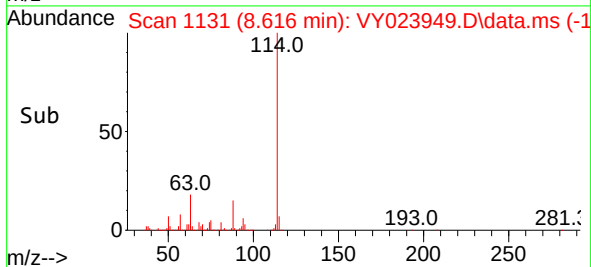
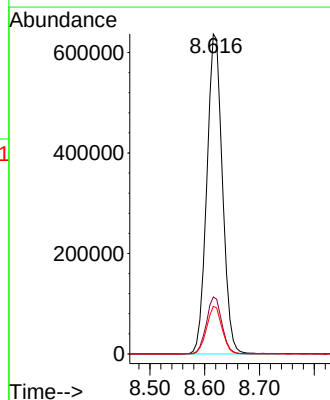
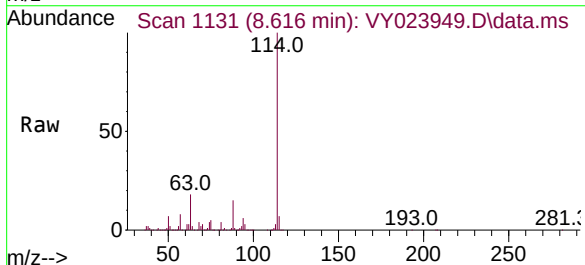
Tgt Ion: 114 Resp: 1258163

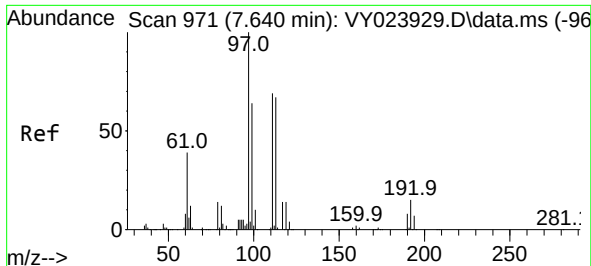
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.2

88 14.8 0.0 29.4

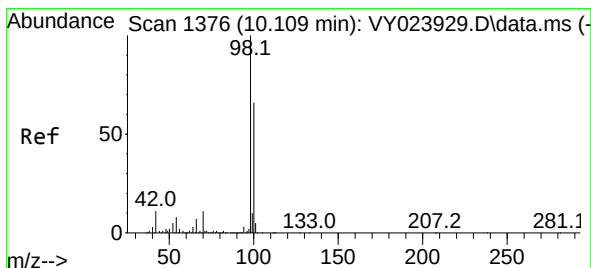
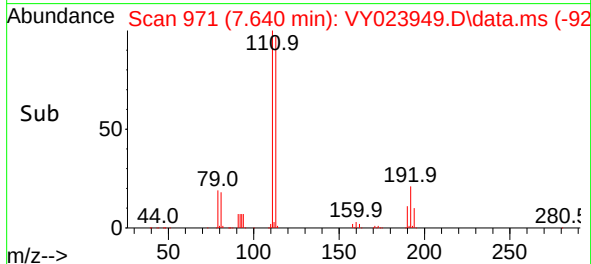
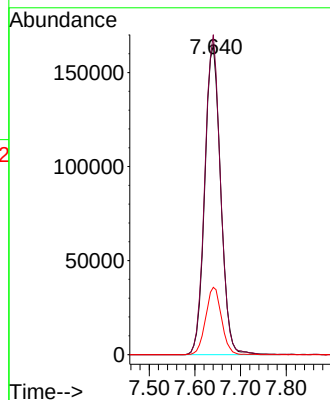
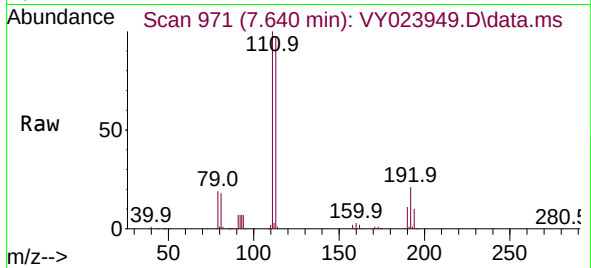




#35
Dibromofluoromethane
Concen: 48.367 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

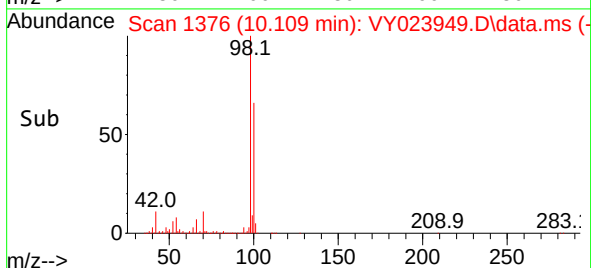
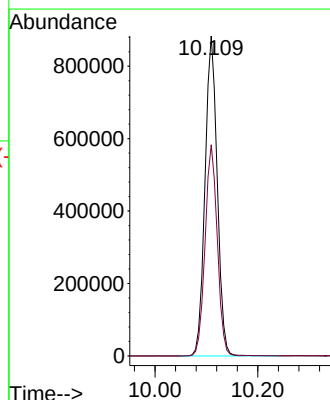
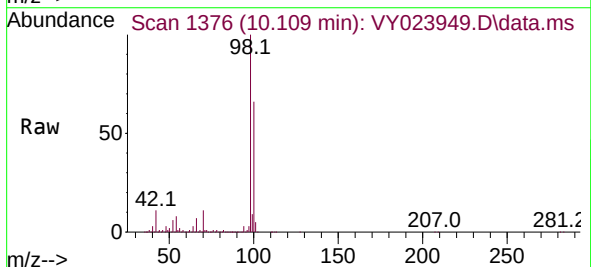
Instrument :
MSVOA_Y
ClientSampleId :
B-2

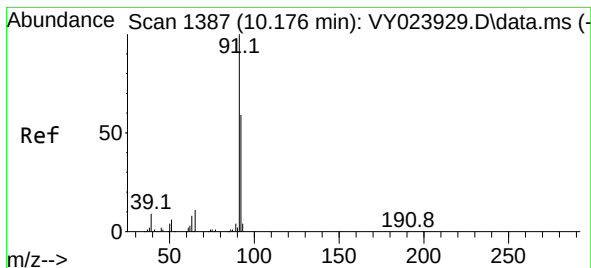
Tgt Ion:113 Resp: 397793
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 21.6 17.9 26.9



#50
Toluene-d8
Concen: 47.492 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

Tgt Ion: 98 Resp: 1454233
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2





#52

Toluene

Concen: 20.098 ug/l

RT: 10.170 min Scan# 1387

Delta R.T. -0.006 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

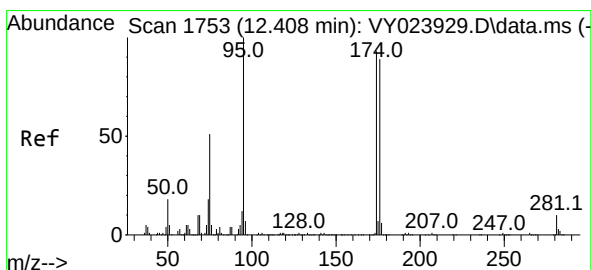
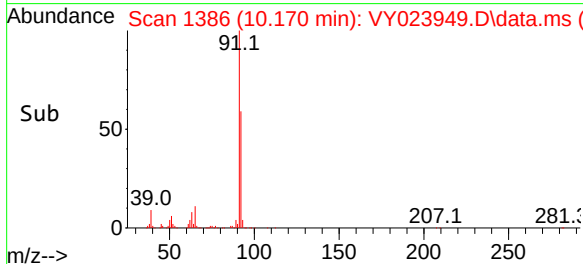
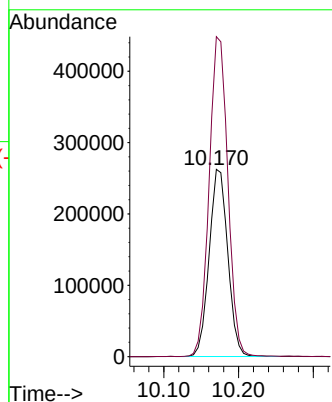
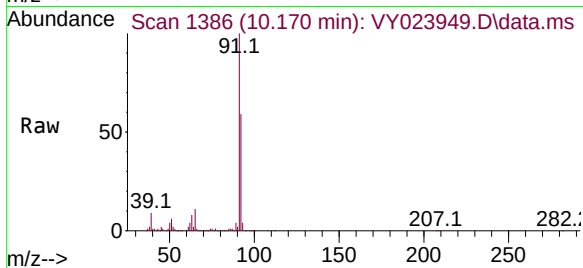
B-2

Tgt Ion: 92 Resp: 453463

Ion Ratio Lower Upper

92 100

91 172.2 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 44.018 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

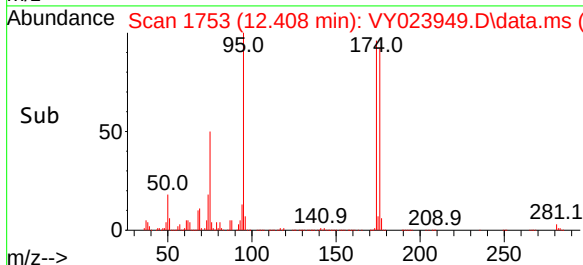
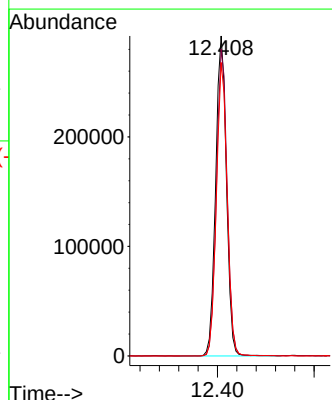
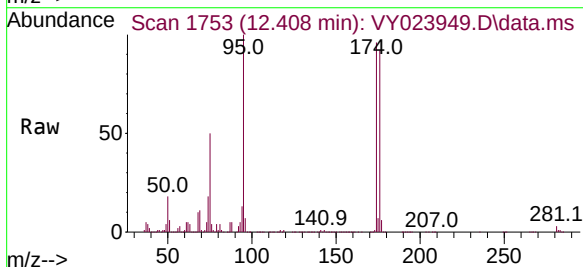
Tgt Ion: 95 Resp: 450124

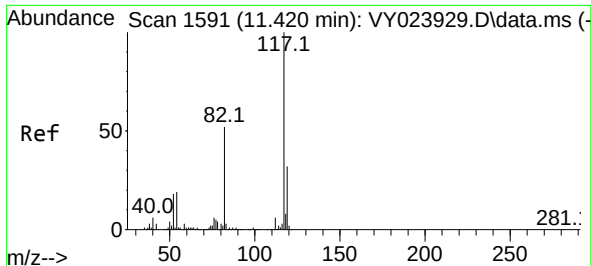
Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

176 91.3 0.0 179.6

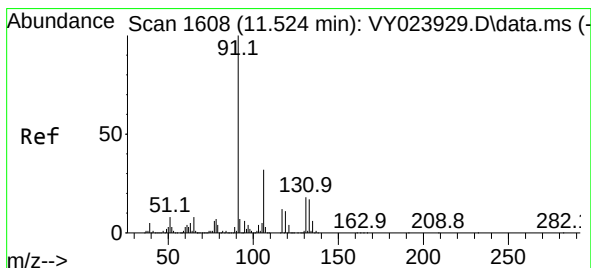
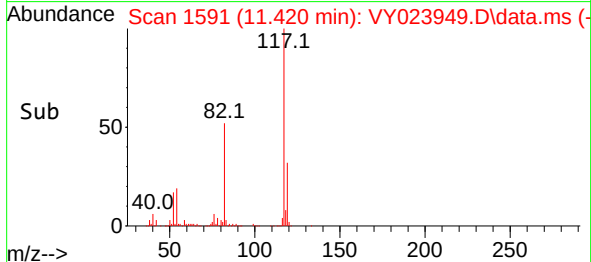
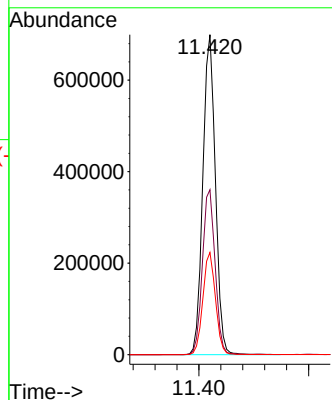
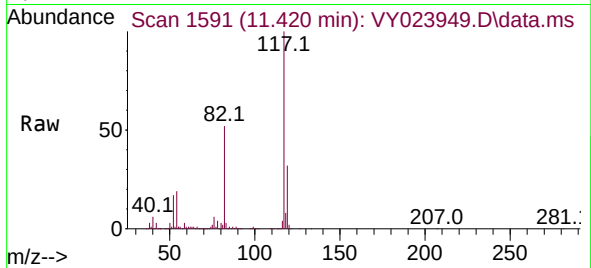




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

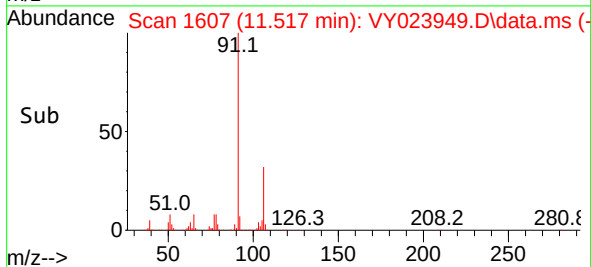
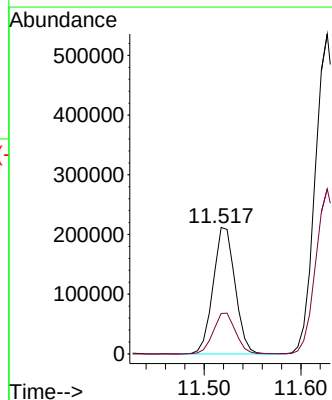
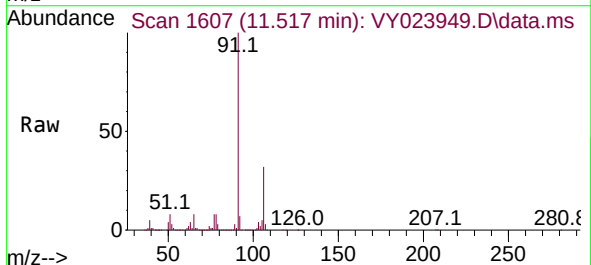
Instrument :
MSVOA_Y
ClientSampleId :
B-2

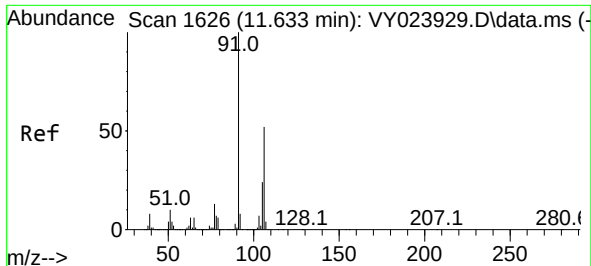
Tgt Ion:117 Resp: 1108714
Ion Ratio Lower Upper
117 100
82 51.5 41.4 62.2
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 7.781 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

Tgt Ion: 91 Resp: 334946
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8

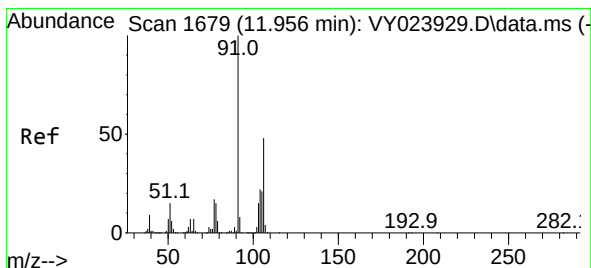
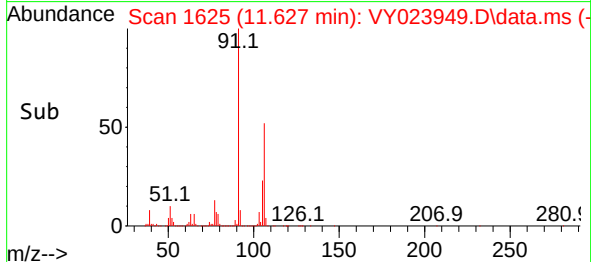
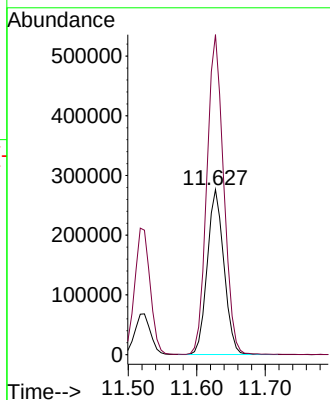
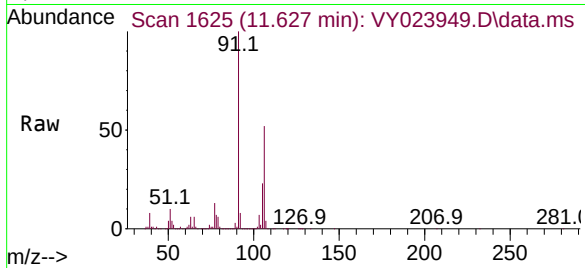




#68
m/p-Xylenes
Concen: 27.332 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

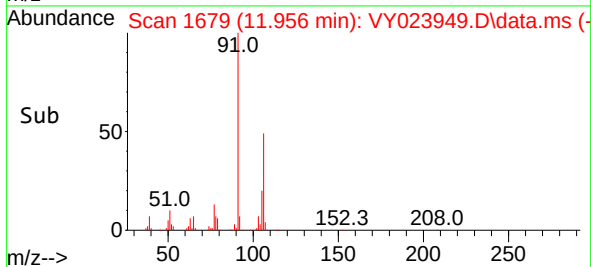
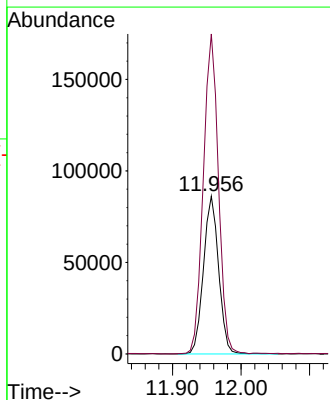
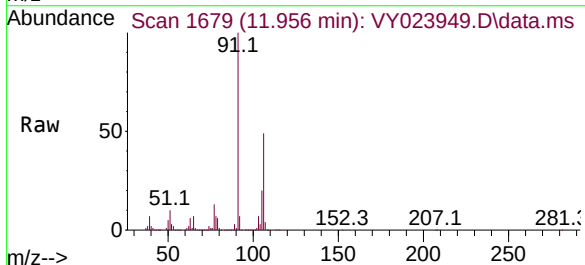
Instrument :
MSVOA_Y
ClientSampleId :
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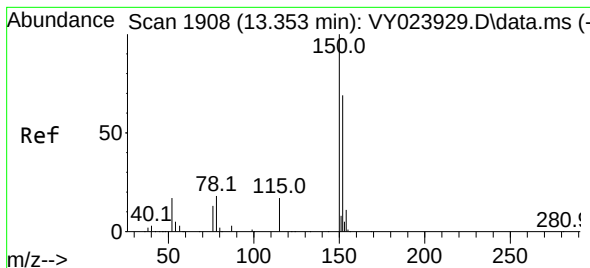
Tgt Ion:106 Resp: 467042
Ion Ratio Lower Upper
106 100
91 195.6 155.0 232.6



#69
o-Xylene
Concen: 8.242 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023949.D
Acq: 11 Dec 2025 12:52

Tgt Ion:106 Resp: 131754
Ion Ratio Lower Upper
106 100
91 202.5 102.1 306.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

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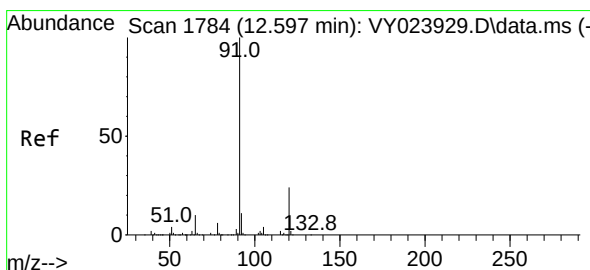
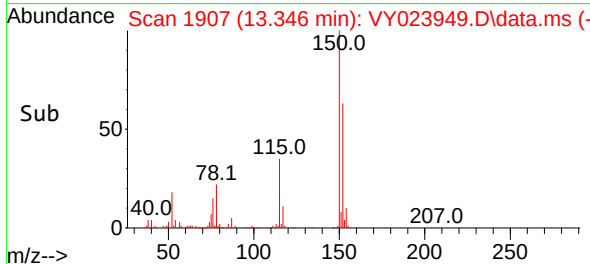
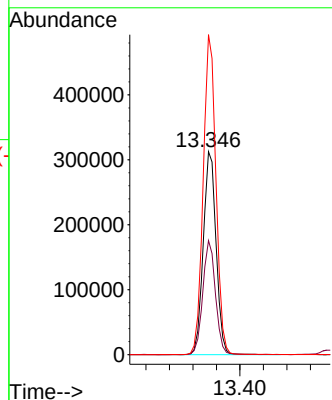
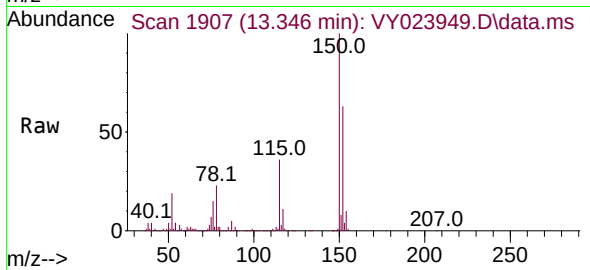
Tgt Ion:152 Resp: 472166

Ion Ratio Lower Upper

152 100

115 55.3 27.3 81.9

150 156.5 0.0 347.6



#78

n-propylbenzene

Concen: 1.998 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY023949.D

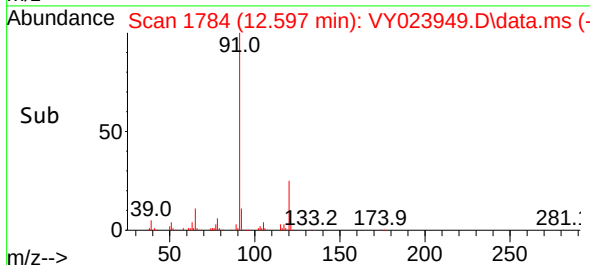
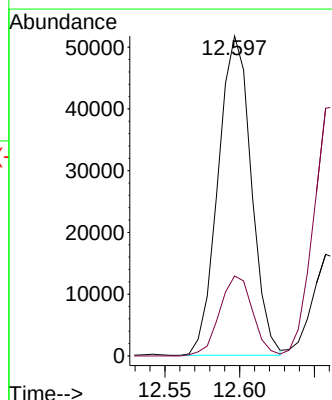
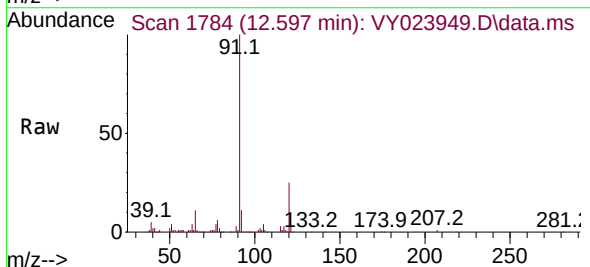
Acq: 11 Dec 2025 12:52

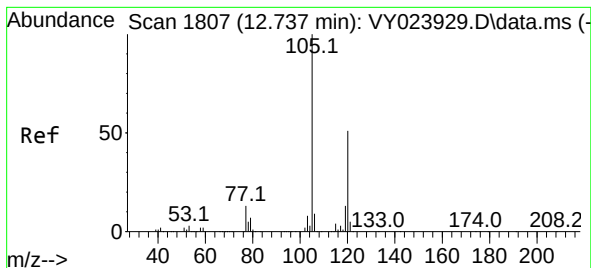
Tgt Ion: 91 Resp: 80220

Ion Ratio Lower Upper

91 100

120 24.8 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 2.016 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

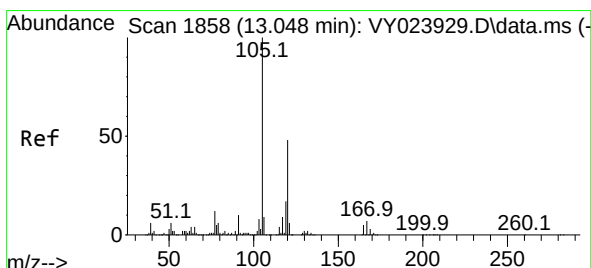
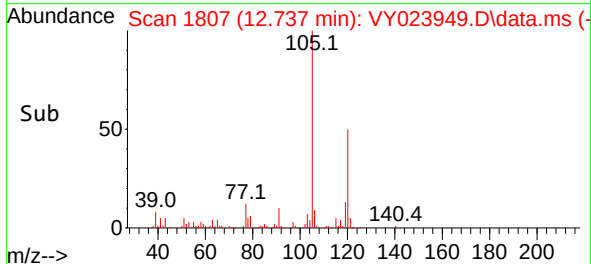
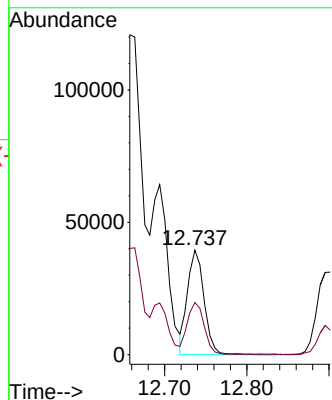
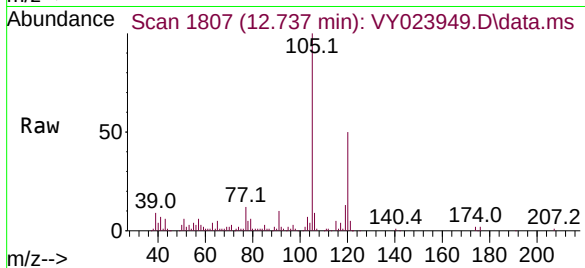
B-2

Tgt Ion:105 Resp: 55498

Ion Ratio Lower Upper

105 100

120 50.6 25.7 77.1



#84

1,2,4-Trimethylbenzene

Concen: 6.219 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY023949.D

Acq: 11 Dec 2025 12:52

Tgt Ion:105 Resp: 169604

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.3

