

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023952.D
 Acq On : 11 Dec 2025 14:08
 Operator : SY/MD
 Sample : Q3809-14
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-4

Quant Time: Dec 12 03:23:18 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)

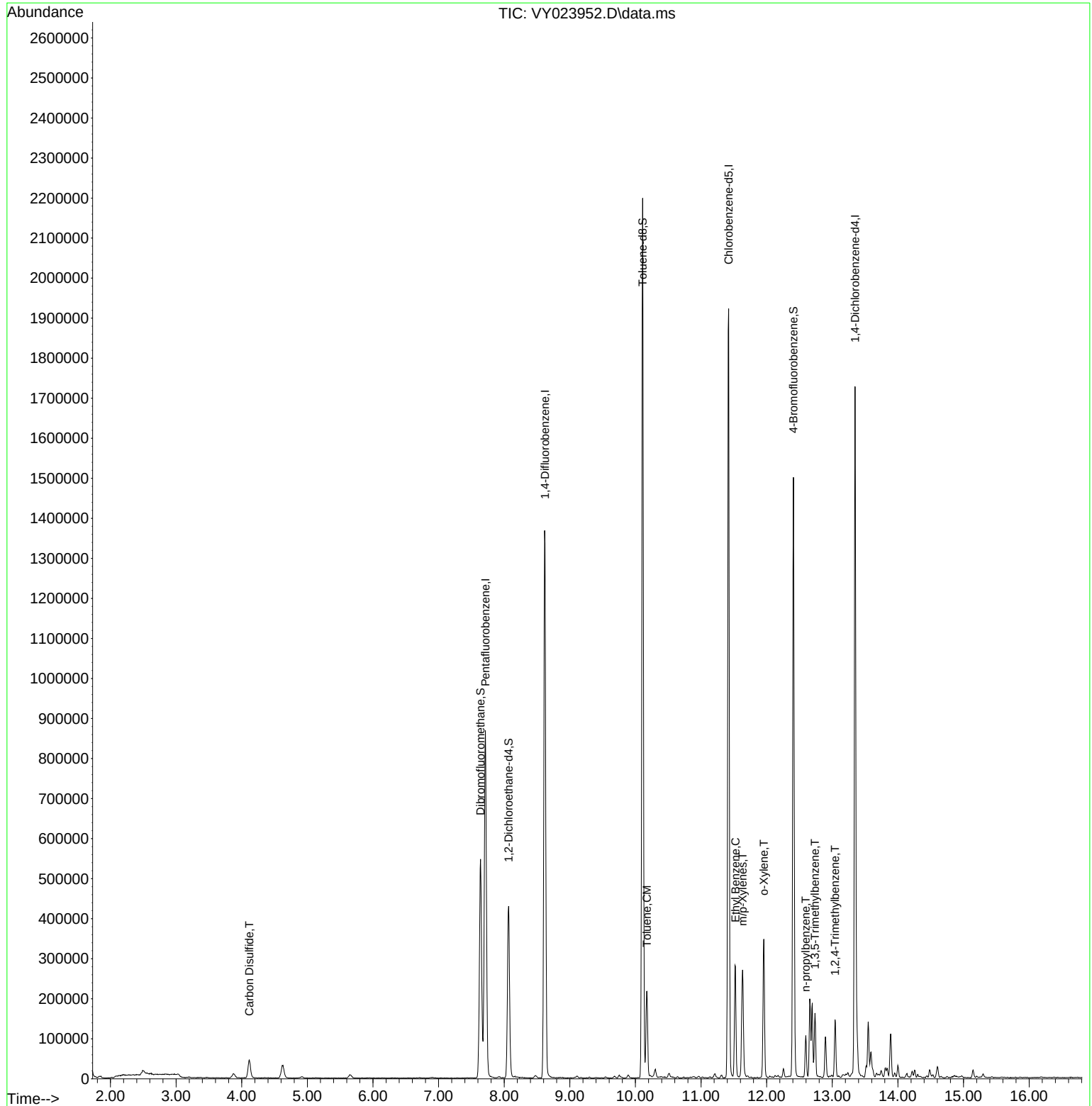
Internal Standards						
1) Pentafluorobenzene	7.713	168	710121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1235722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1063567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	453202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	344164	54.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.640%	
35) Dibromofluoromethane	7.640	113	384205	47.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.120%	
50) Toluene-d8	10.109	98	1416852	47.111	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.220%	
62) 4-Bromofluorobenzene	12.408	95	431093	42.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.840%	
Target Compounds						Qvalue
17) Carbon Disulfide	4.116	76	92296	5.393	ug/l	97
52) Toluene	10.176	92	94179	4.250	ug/l	100
67) Ethyl Benzene	11.524	91	196321	4.754	ug/l	98
68) m/p-Xylenes	11.633	106	84274	5.141	ug/l	99
69) o-Xylene	11.957	106	93087	6.071	ug/l	99
78) n-propylbenzene	12.597	91	75786	1.967	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	70719	2.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	76059	2.906	ug/l	96

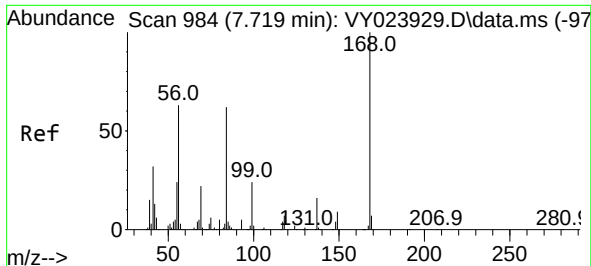
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
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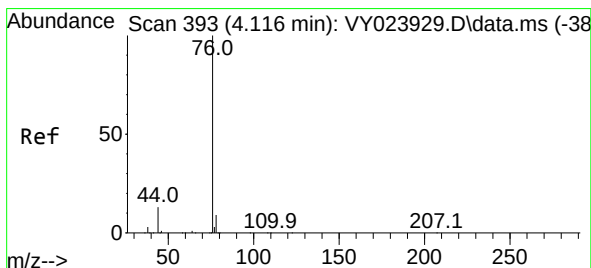
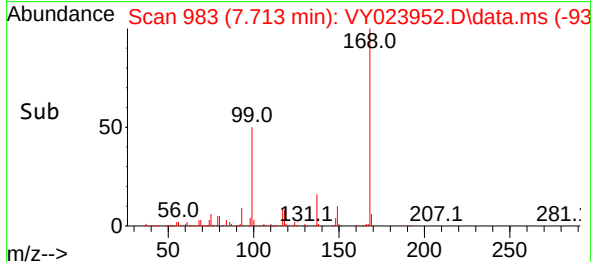
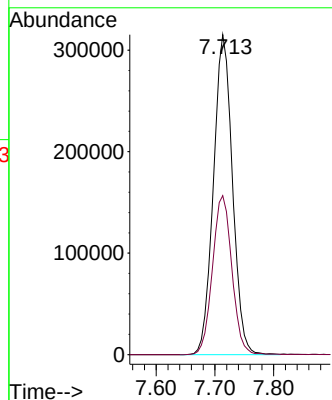
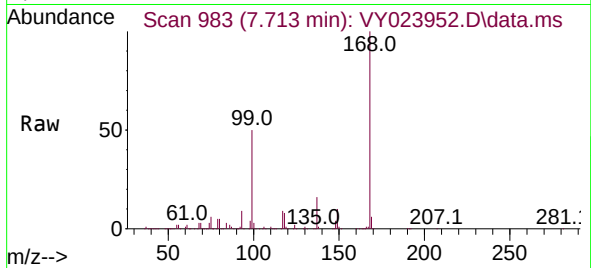




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

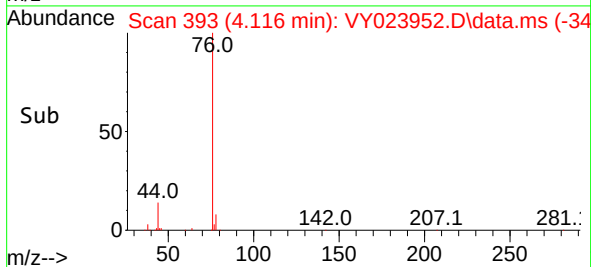
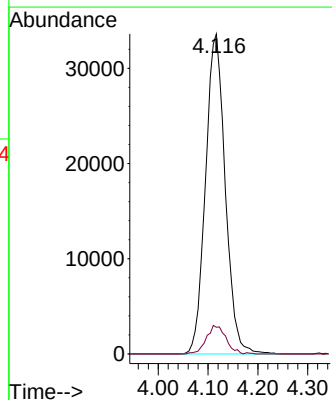
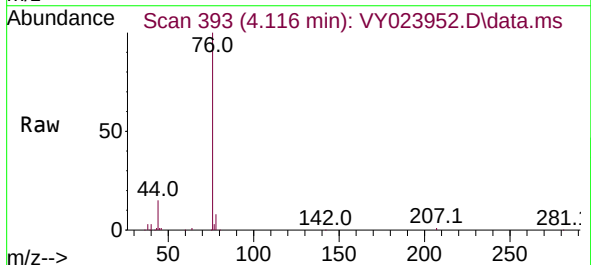
Instrument :
MSVOA_Y
ClientSampleId :
B-4

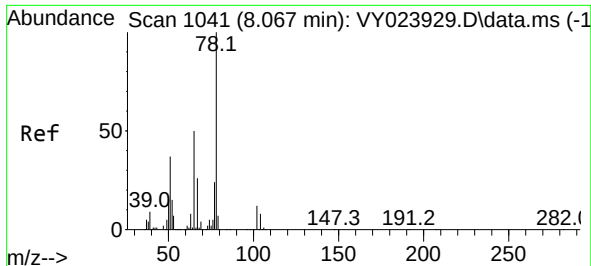
Tgt Ion:168 Resp: 710121
Ion Ratio Lower Upper
168 100
99 49.7 38.9 58.3



#17
Carbon Disulfide
Concen: 5.393 ug/l
RT: 4.116 min Scan# 393
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

Tgt Ion: 76 Resp: 92296
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2





#33

1,2-Dichloroethane-d4

Concen: 54.816 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023952.D

Acq: 11 Dec 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

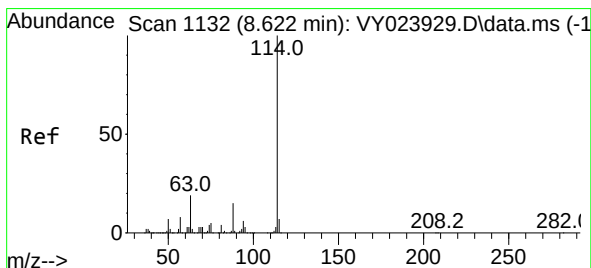
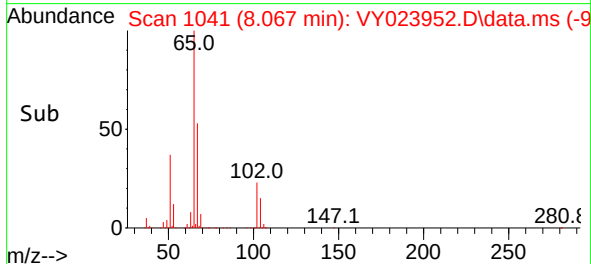
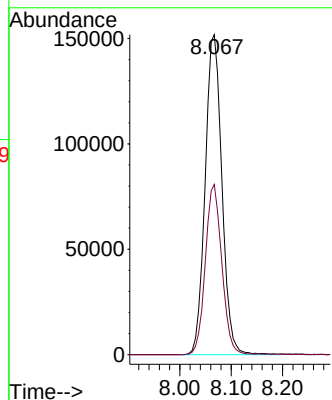
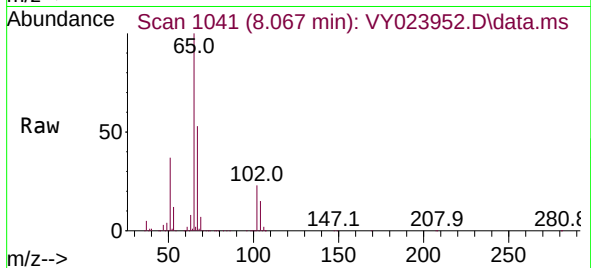
B-4

Tgt Ion: 65 Resp: 344164

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY023952.D

Acq: 11 Dec 2025 14:08

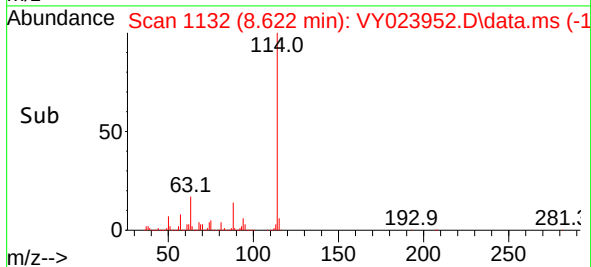
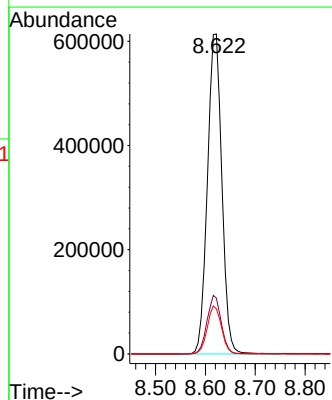
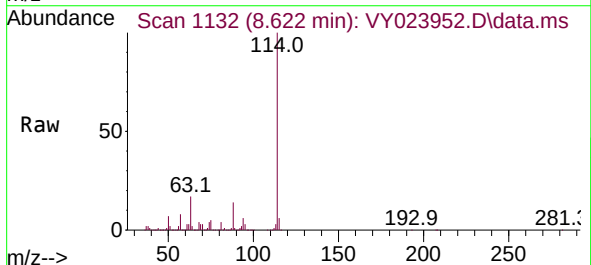
Tgt Ion: 114 Resp: 1235722

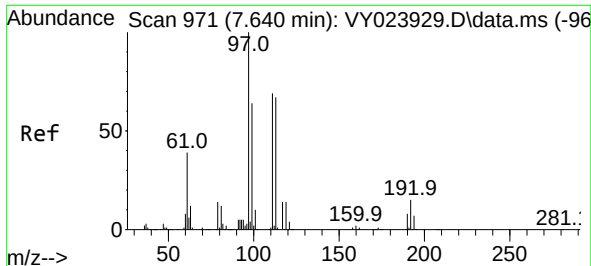
Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.2

88 14.1 0.0 29.4

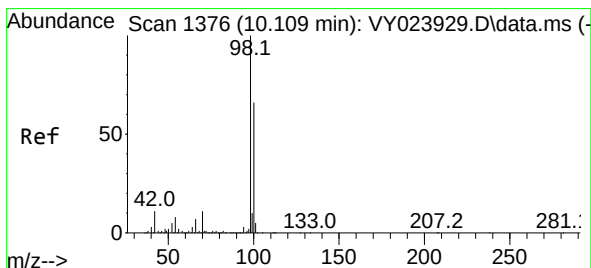
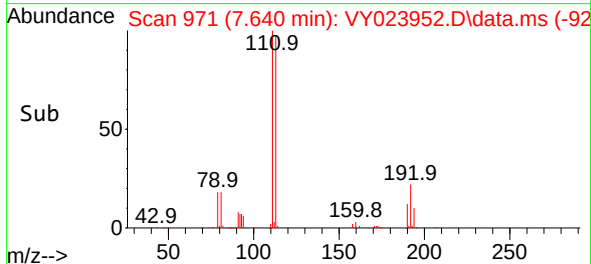
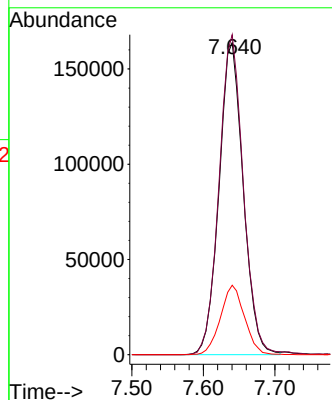
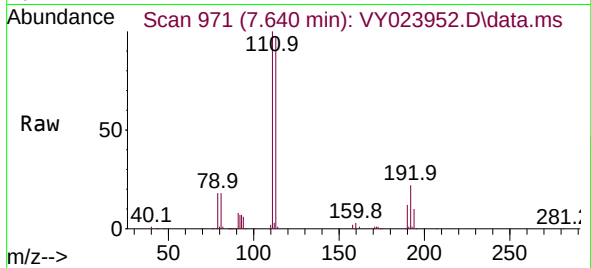




#35
Dibromofluoromethane
Concen: 47.563 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

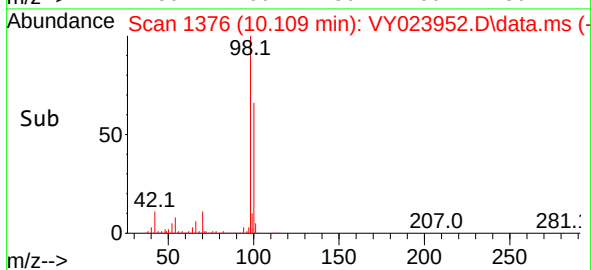
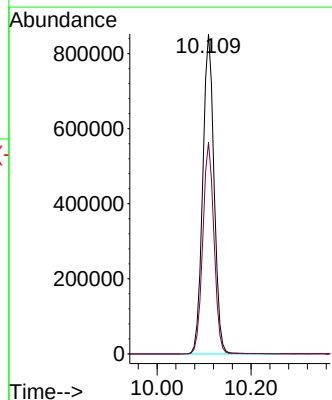
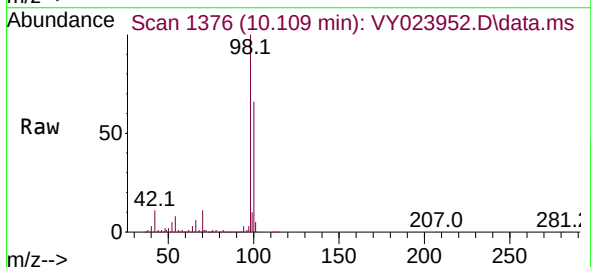
Instrument :
MSVOA_Y
ClientSampleId :
B-4

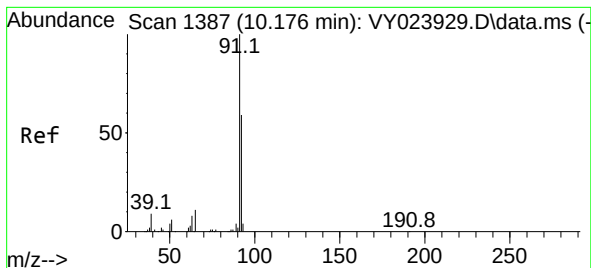
Tgt Ion:113 Resp: 384205
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 22.1 17.9 26.9



#50
Toluene-d8
Concen: 47.111 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

Tgt Ion: 98 Resp: 1416852
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2





#52

Toluene

Concen: 4.250 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VY023952.D

Acq: 11 Dec 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

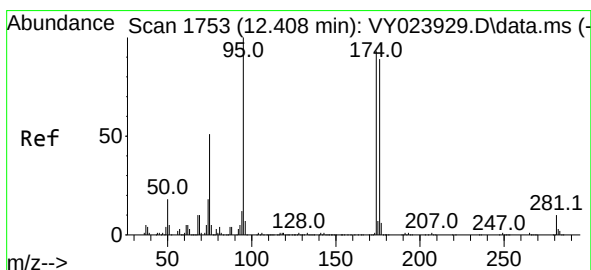
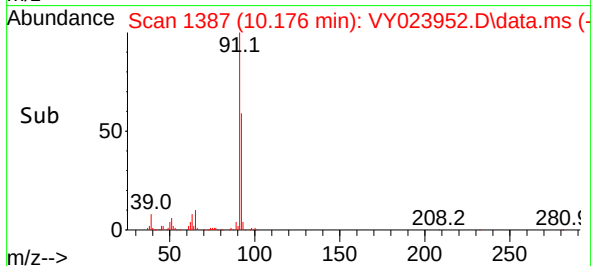
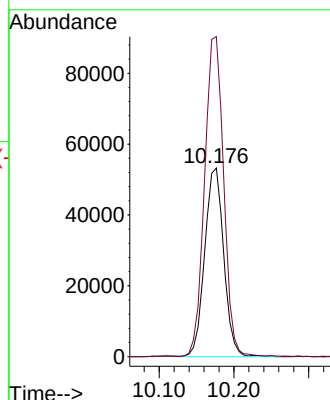
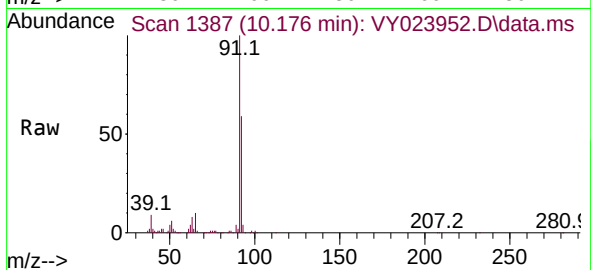
B-4

Tgt Ion: 92 Resp: 94179

Ion Ratio Lower Upper

92 100

91 170.3 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 42.922 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023952.D

Acq: 11 Dec 2025 14:08

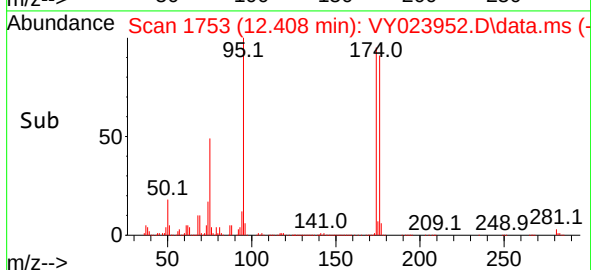
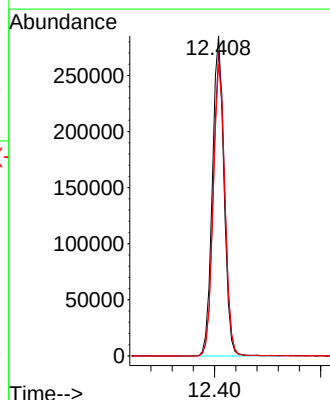
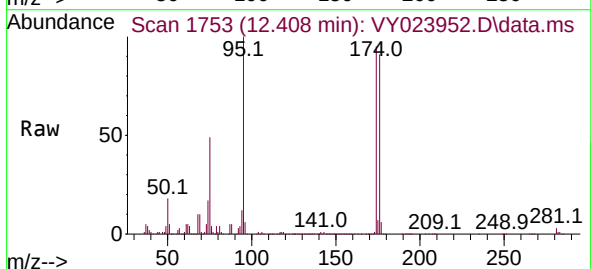
Tgt Ion: 95 Resp: 431093

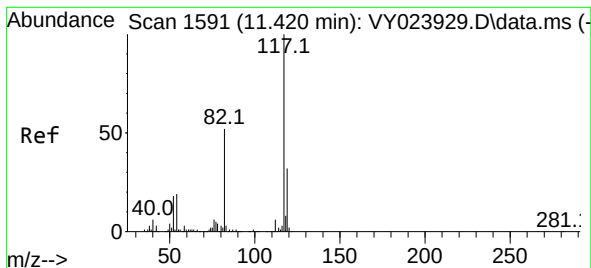
Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.4

176 91.2 0.0 179.6

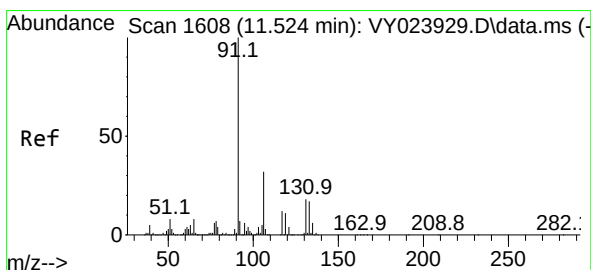
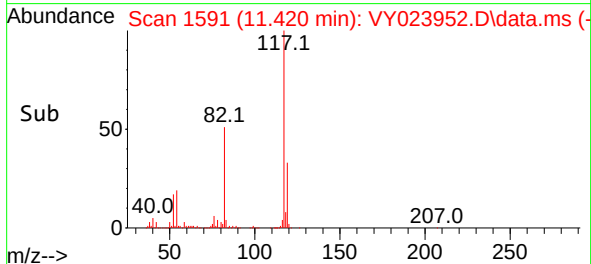
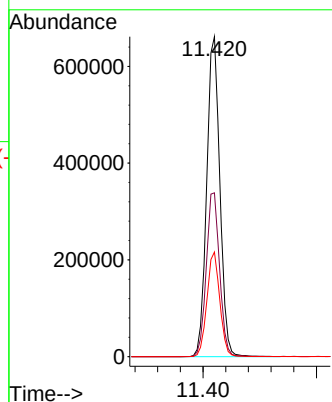
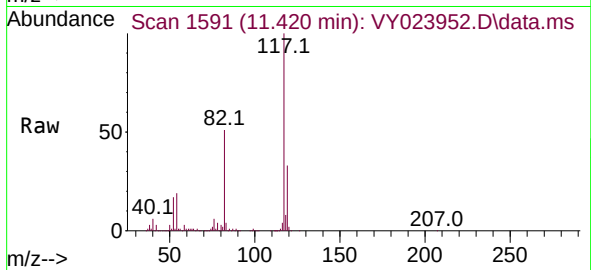




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

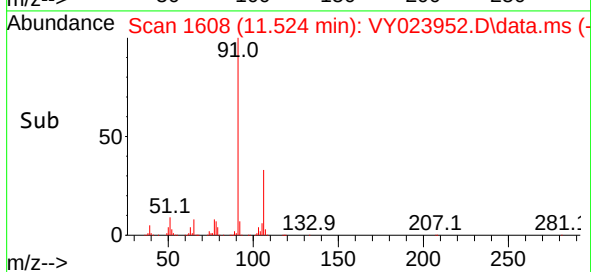
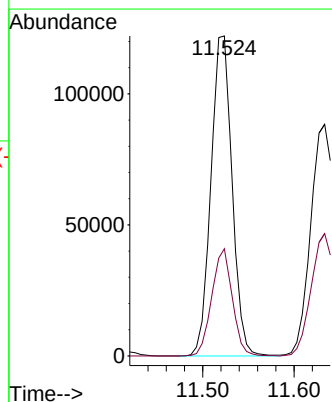
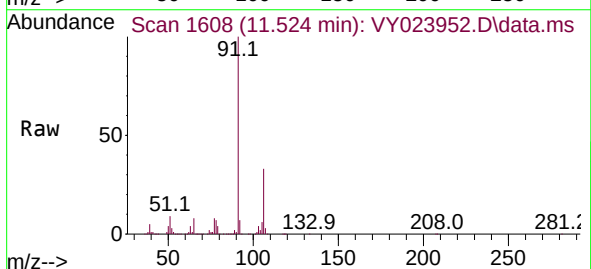
Instrument :
MSVOA_Y
ClientSampleId :
B-4

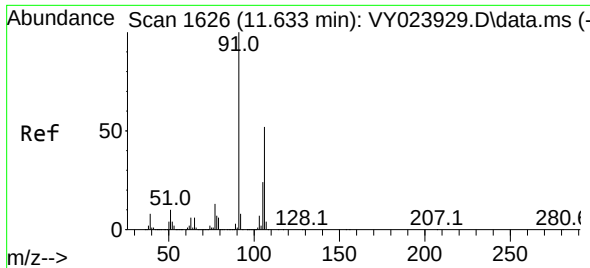
Tgt Ion:117 Resp: 1063567
Ion Ratio Lower Upper
117 100
82 51.2 41.4 62.2
119 32.7 25.5 38.3



#67
Ethyl Benzene
Concen: 4.754 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

Tgt Ion: 91 Resp: 196321
Ion Ratio Lower Upper
91 100
106 33.5 25.8 38.8

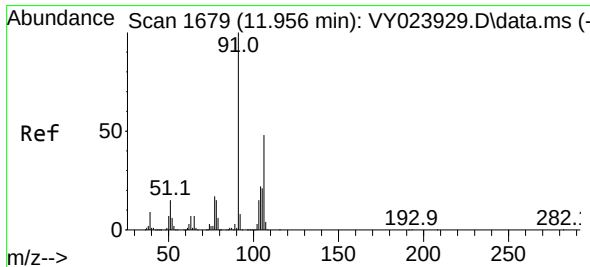
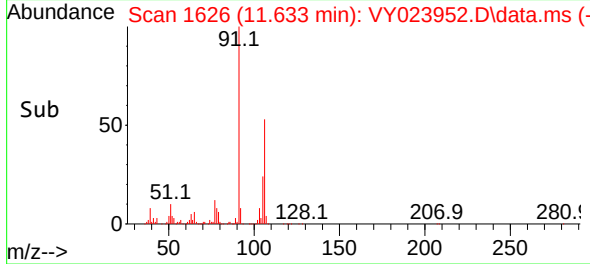
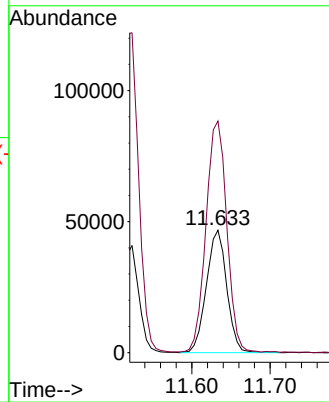
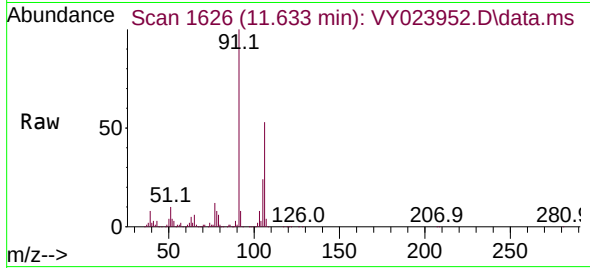




#68
m/p-Xylenes
Concen: 5.141 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

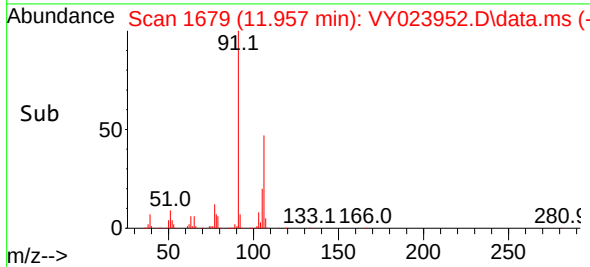
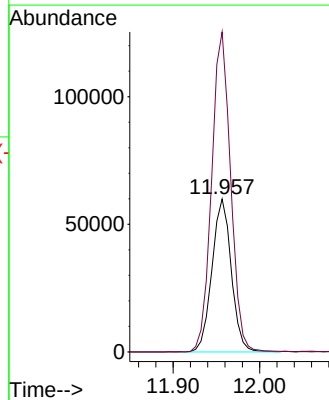
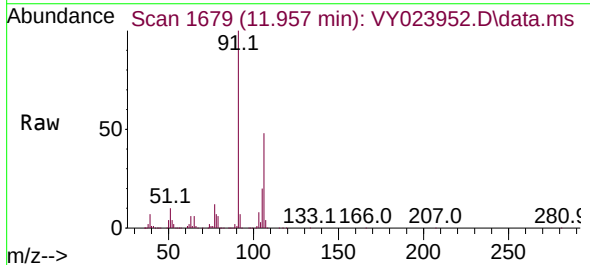
Instrument :
MSVOA_Y
ClientSampleId :
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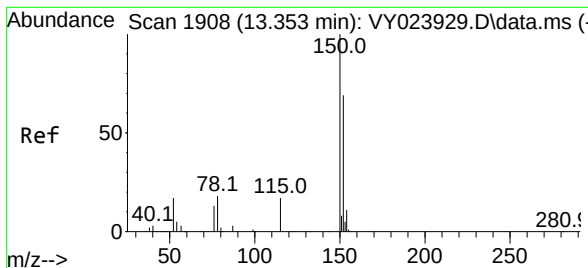
Tgt Ion:106 Resp: 84274
Ion Ratio Lower Upper
106 100
91 192.9 155.0 232.6



#69
o-Xylene
Concen: 6.071 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

Tgt Ion:106 Resp: 93087
Ion Ratio Lower Upper
106 100
91 206.2 102.1 306.1

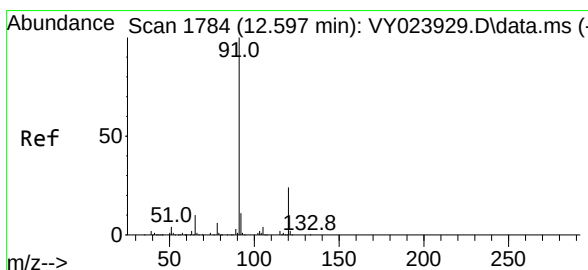
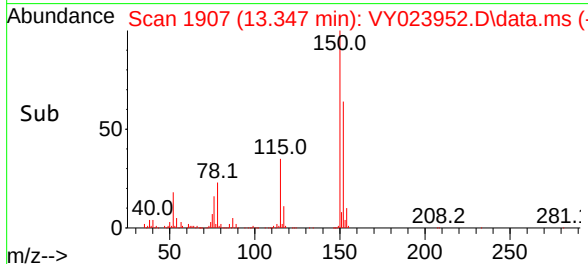
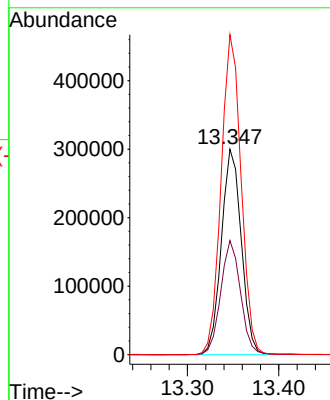
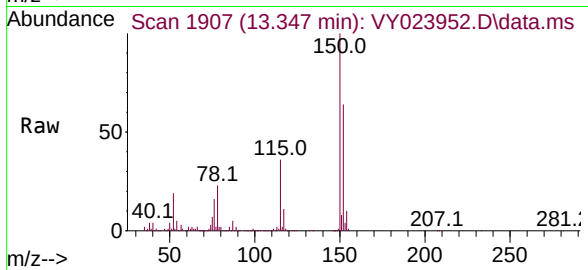




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

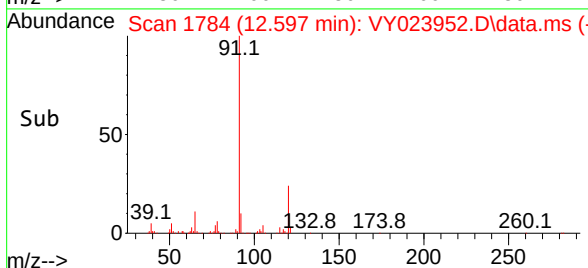
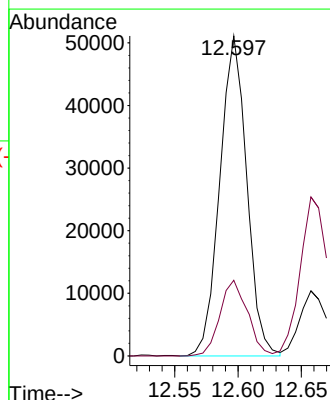
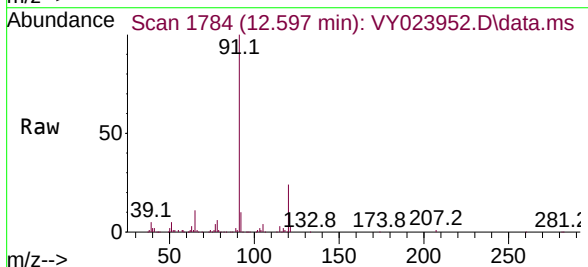
Instrument :
MSVOA_Y
ClientSampleId :
B-4

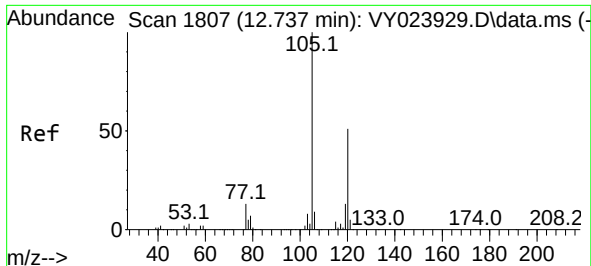
Tgt Ion:152 Resp: 453202
Ion Ratio Lower Upper
152 100
115 55.4 27.3 81.9
150 156.6 0.0 347.6



#78
n-propylbenzene
Concen: 1.967 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023952.D
Acq: 11 Dec 2025 14:08

Tgt Ion: 91 Resp: 75786
Ion Ratio Lower Upper
91 100
120 24.2 12.0 36.0

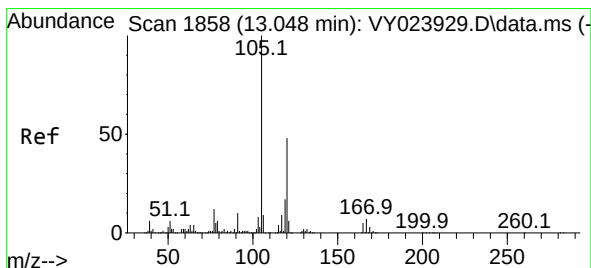
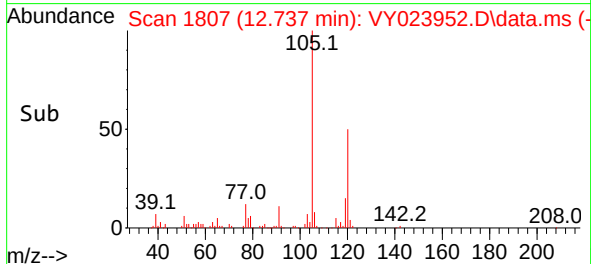
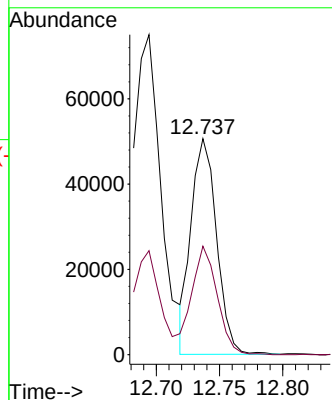
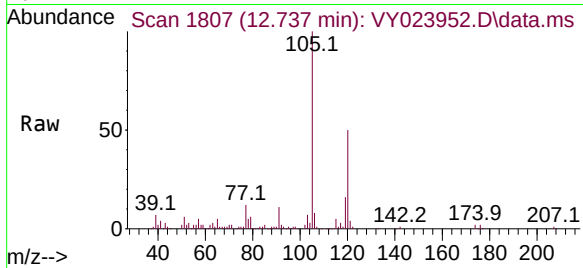




#80
 1,3,5-Trimethylbenzene
 Concen: 2.676 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. 0.000 min
 Lab File: VY023952.D
 Acq: 11 Dec 2025 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tgt Ion:105 Resp: 70719
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.7 77.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.906 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: VY023952.D
 Acq: 11 Dec 2025 14:08

Tgt Ion:105 Resp: 76059
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.4 70.3

