

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022134.D
 Acq On : 02 May 2025 17:11
 Operator : SY/MD
 Sample : Q1939-04
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB2B

Quant Time: May 03 02:52:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

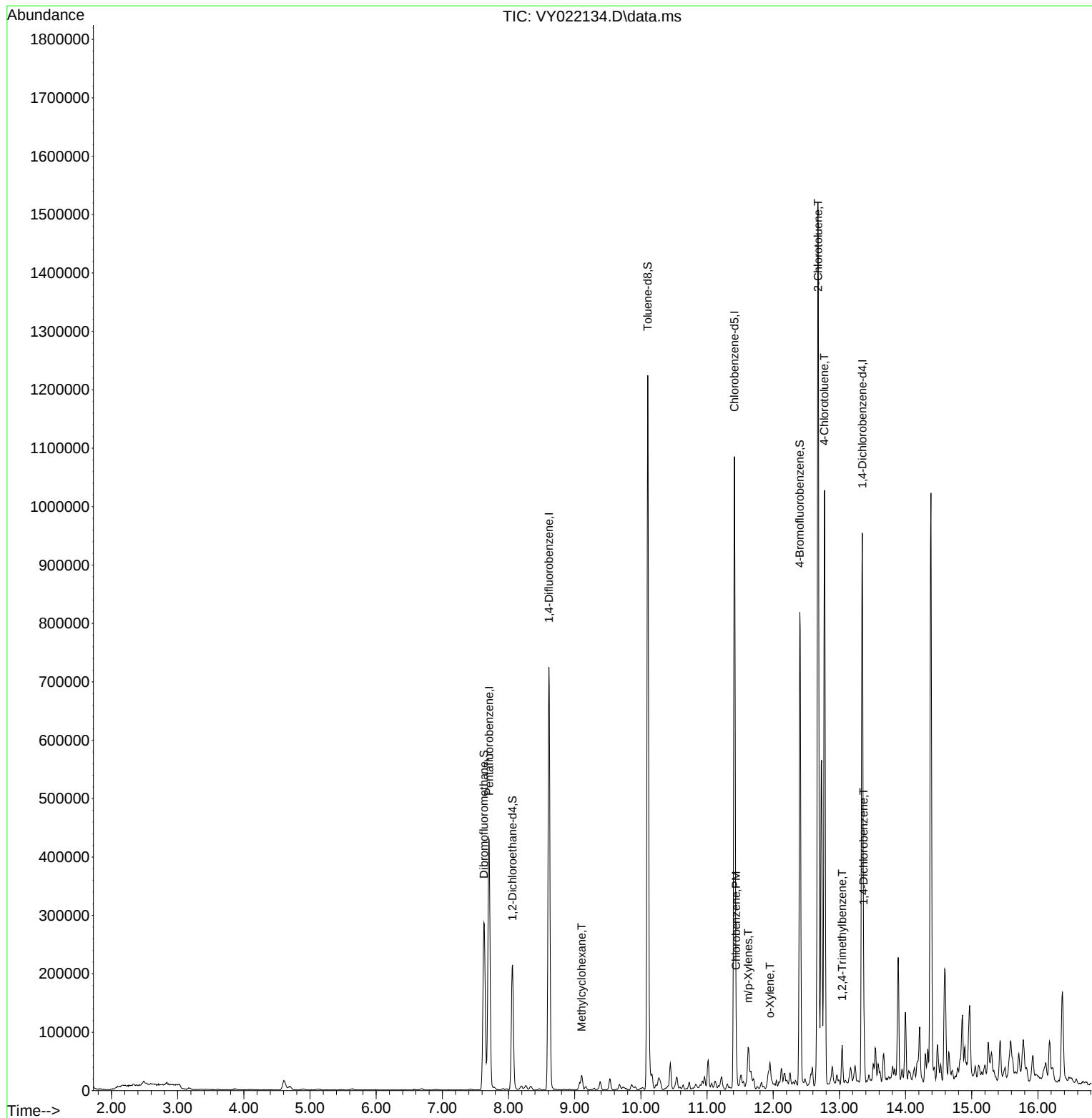
Internal Standards						
1) Pentafluorobenzene	7.707	168	337342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	583504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171793	55.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.260%
35) Dibromofluoromethane	7.628	113	211594	50.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.060%
50) Toluene-d8	10.103	98	771843	48.889	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.401	95	245481	46.188	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.380%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.103	83	10145	1.433	ug/l #	79
65) Chlorobenzene	11.438	112	24024	1.841	ug/l #	88
68) m/p-Xylenes	11.621	106	22301	2.626	ug/l	95
69) o-Xylene	11.950	106	8928	1.140	ug/l	94
79) 2-Chlorotoluene	12.676	91	814084	71.710	ug/l	98
82) 4-Chlorotoluene	12.773	91	552666	46.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	33886	2.508	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	39106	4.694	ug/l	94

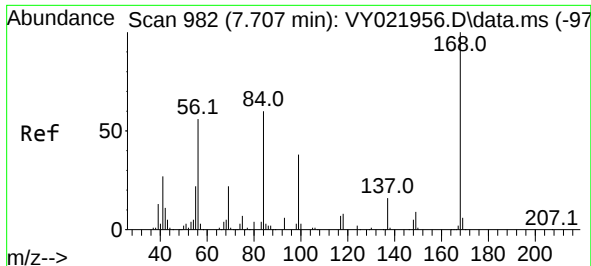
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
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Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

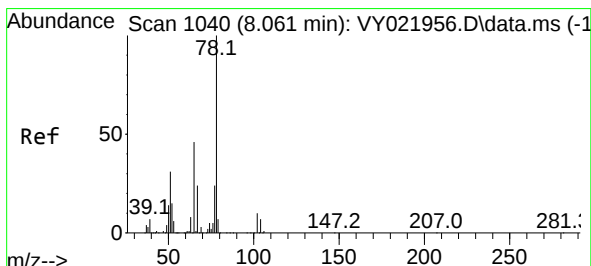
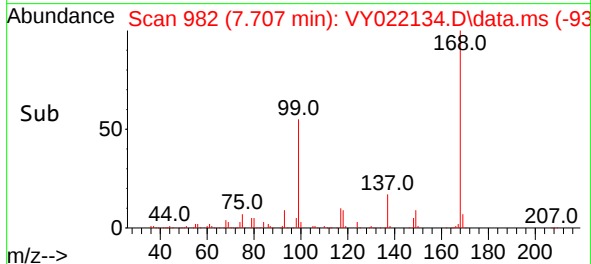
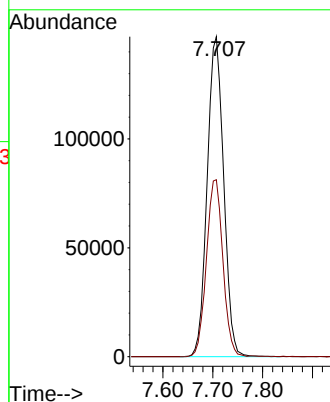
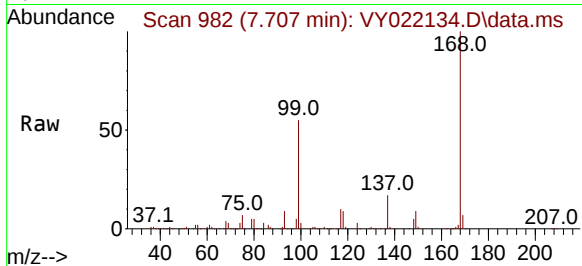




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

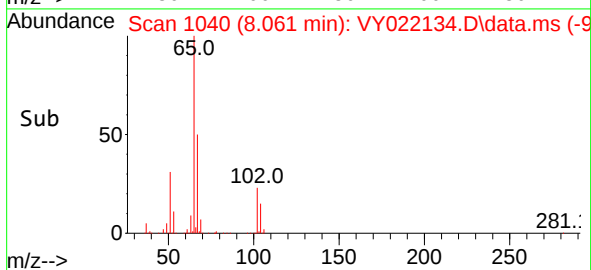
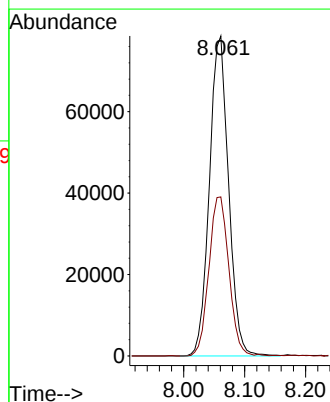
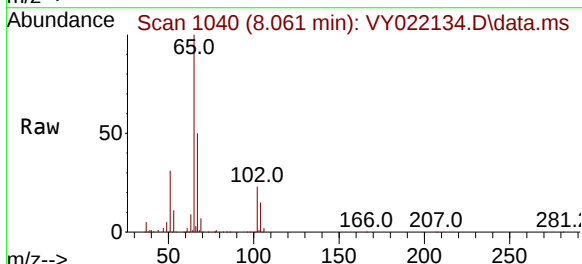
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

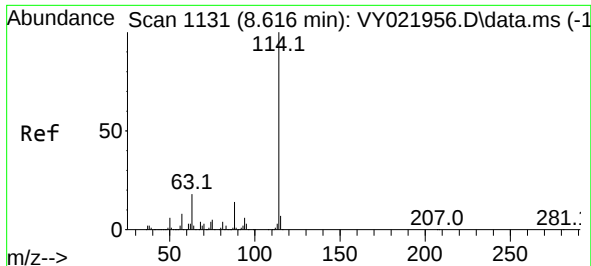
Tgt Ion:168 Resp: 337342
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.133 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 65 Resp: 171793
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GB2B

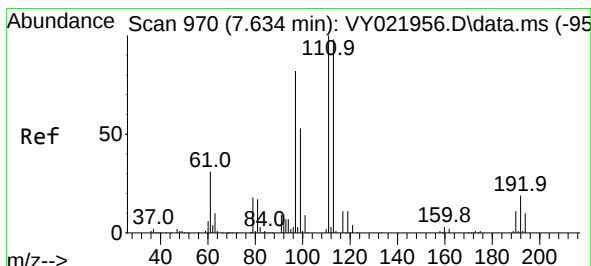
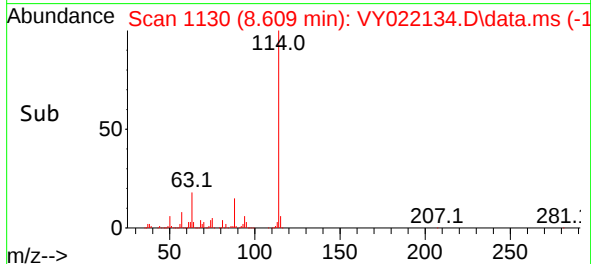
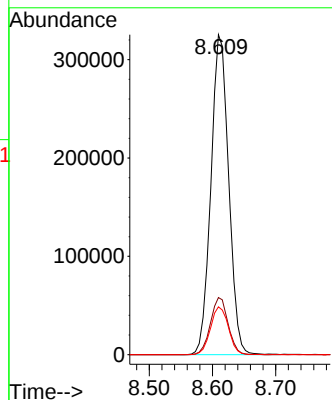
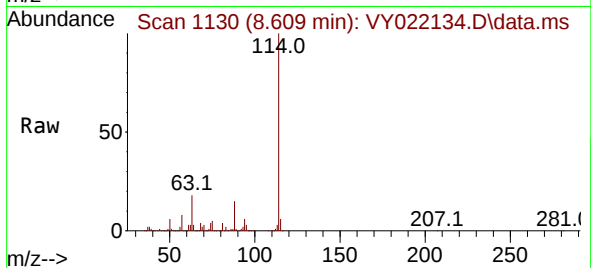
Tgt Ion:114 Resp: 633879

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.527 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

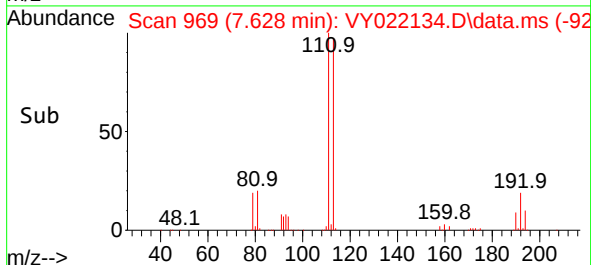
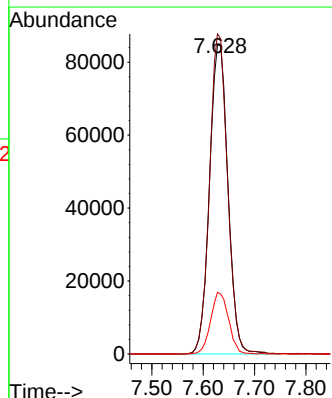
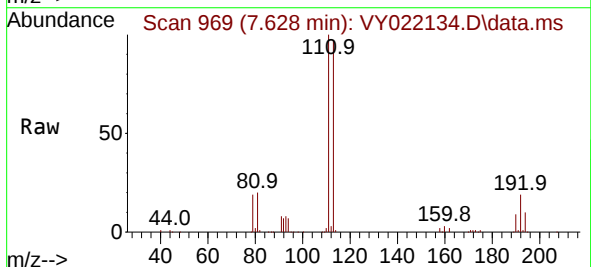
Tgt Ion:113 Resp: 211594

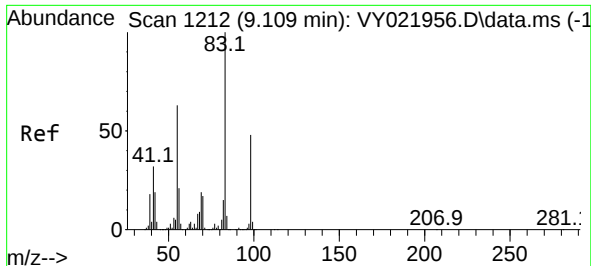
Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

192 19.3 15.6 23.4





#39

Methylcyclohexane

Concen: 1.433 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GB2B

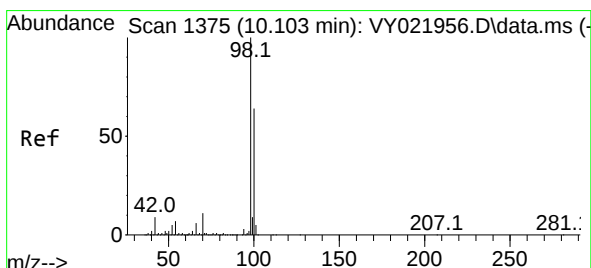
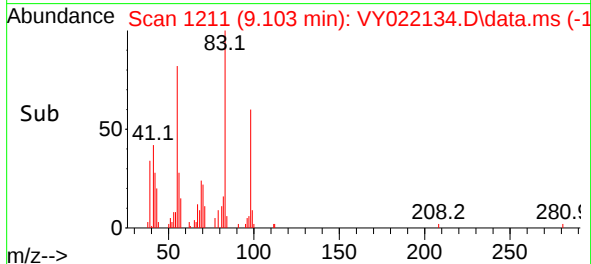
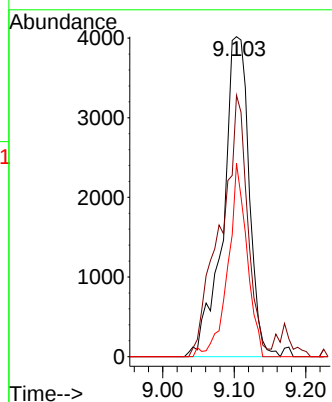
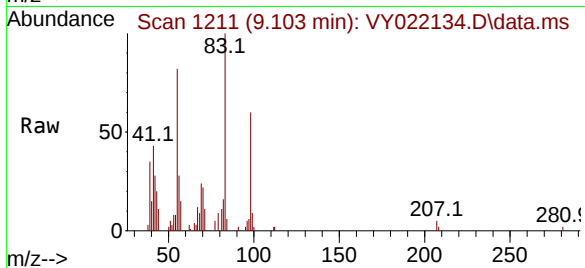
Tgt Ion: 83 Resp: 10145

Ion Ratio Lower Upper

83 100

55 81.7 50.6 75.8#

98 60.4 38.6 58.0#



#50

Toluene-d8

Concen: 48.889 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022134.D

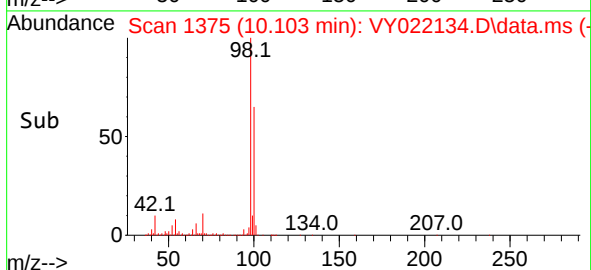
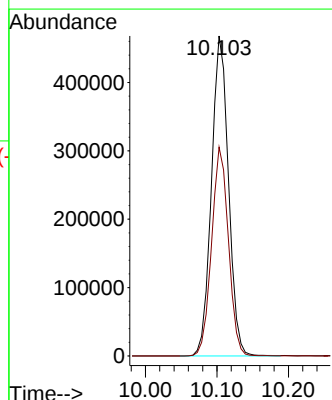
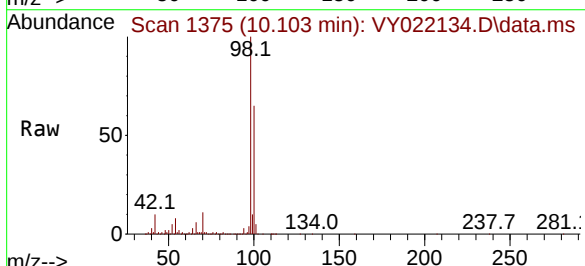
Acq: 02 May 2025 17:11

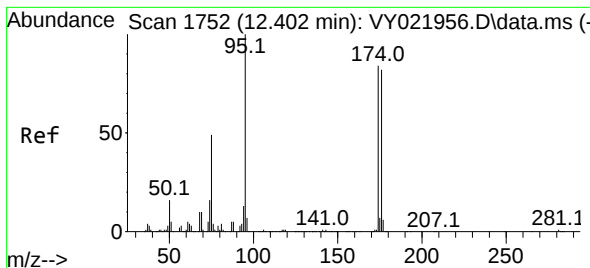
Tgt Ion: 98 Resp: 771843

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

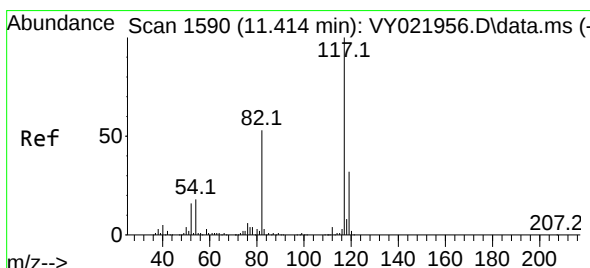
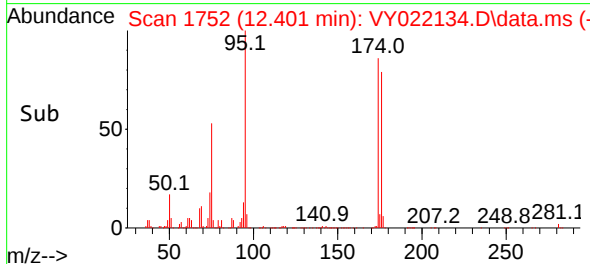
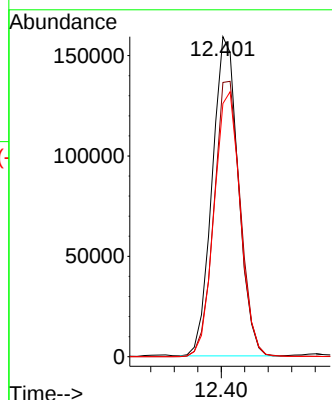
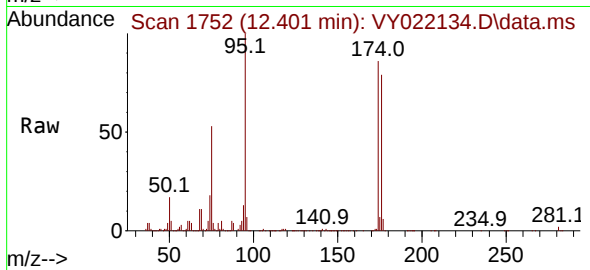




#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

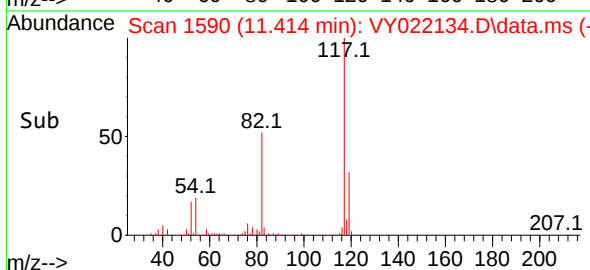
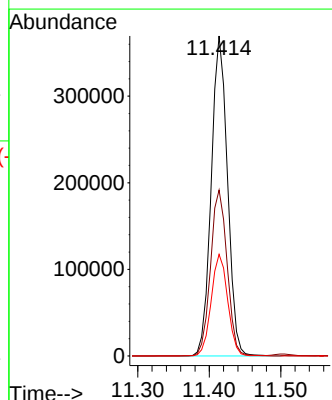
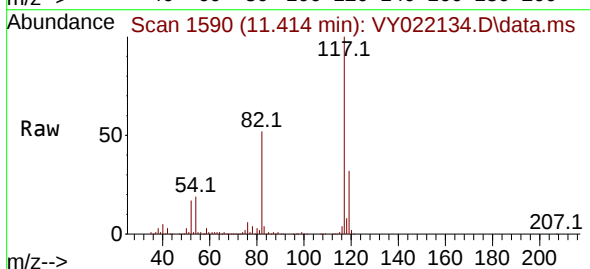
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

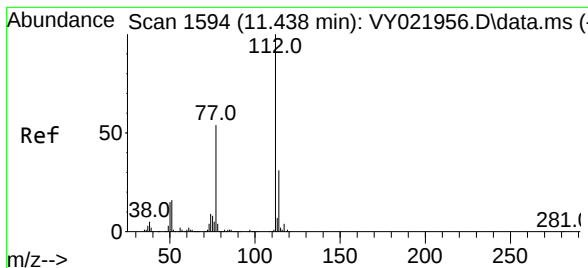
Tgt Ion: 95 Resp: 245481
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 83.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 117 Resp: 583504
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 31.7 25.7 38.5

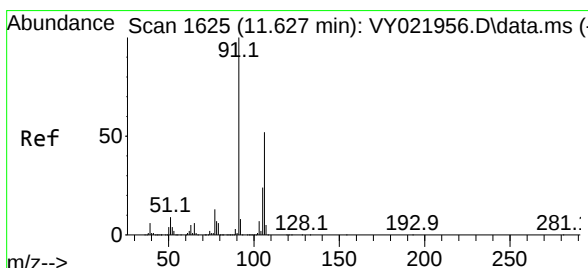
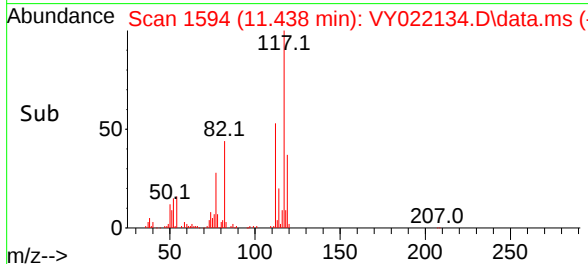
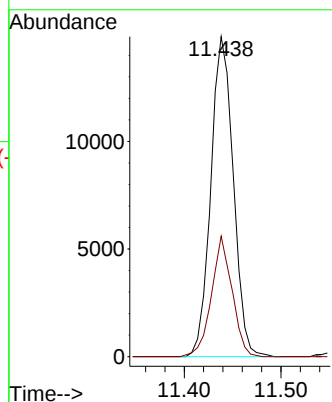
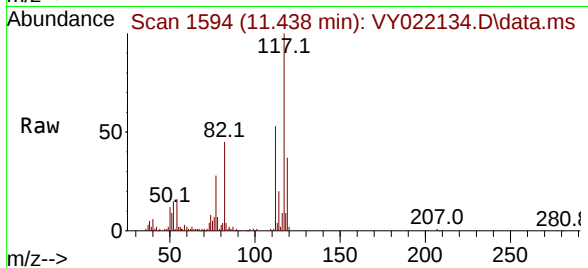




#65
Chlorobenzene
Concen: 1.841 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

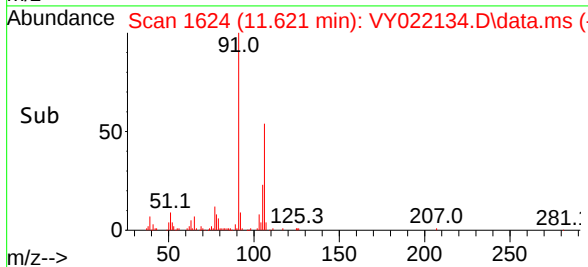
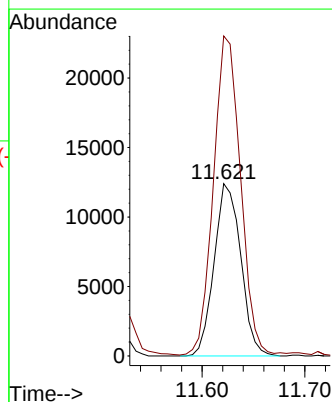
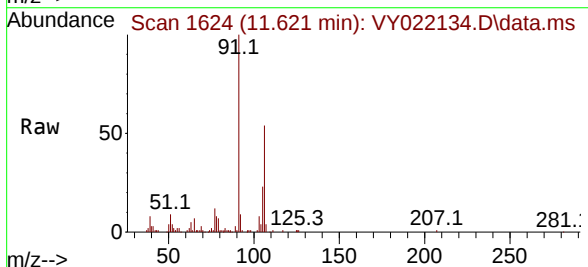
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

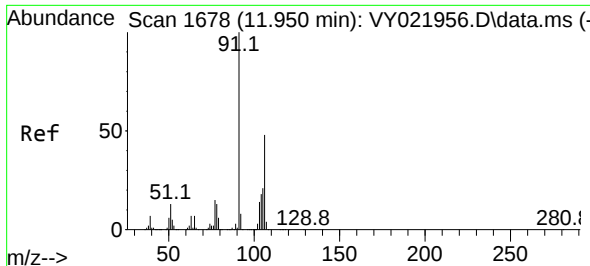
Tgt Ion:112 Resp: 24024
Ion Ratio Lower Upper
112 100
114 37.6 25.0 37.4#



#68
m/p-Xylenes
Concen: 2.626 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:106 Resp: 22301
Ion Ratio Lower Upper
106 100
91 187.9 156.2 234.2

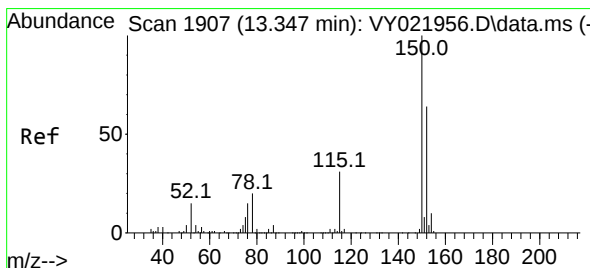
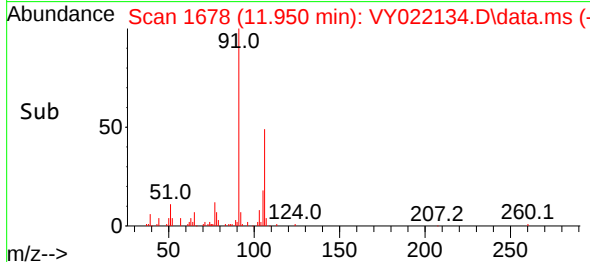
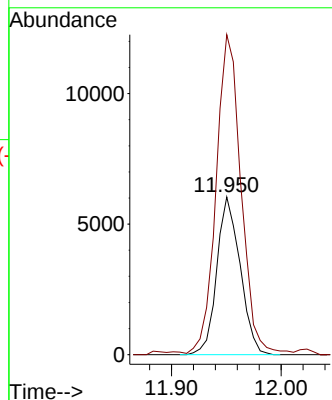
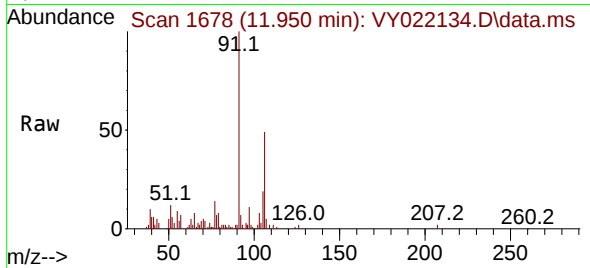




#69
o-Xylene
Concen: 1.140 ug/l
RT: 11.950 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

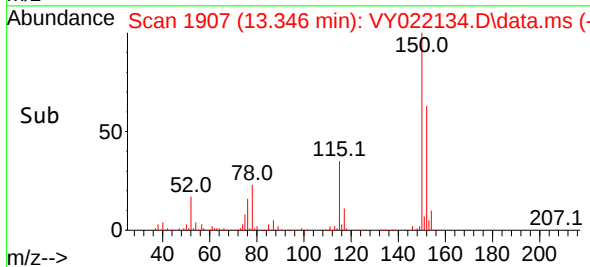
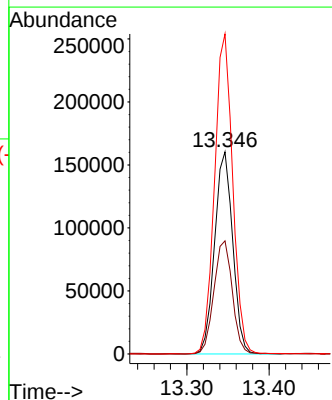
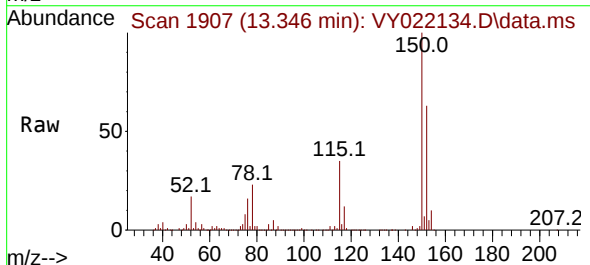
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MSVOA_Y
ClientSampleId :
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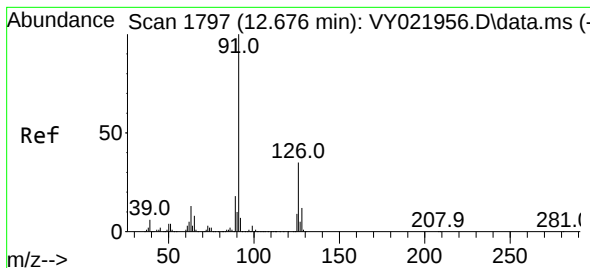
Tgt Ion:106 Resp: 8928
Ion Ratio Lower Upper
106 100
91 214.6 103.0 308.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:152 Resp: 245346
Ion Ratio Lower Upper
152 100
115 57.0 28.0 84.0
150 158.7 0.0 345.6

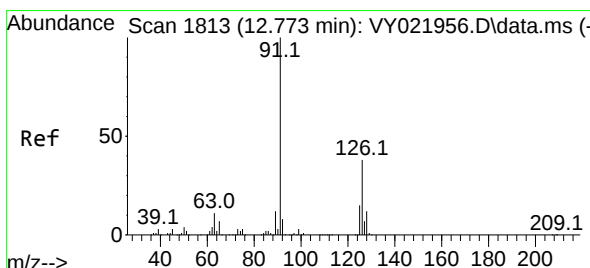
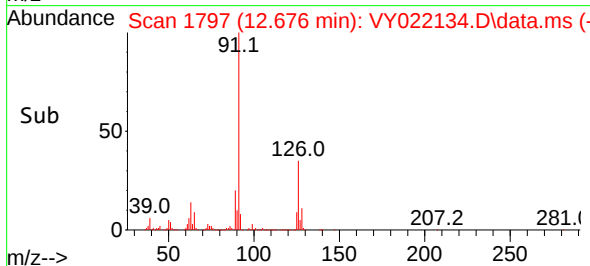
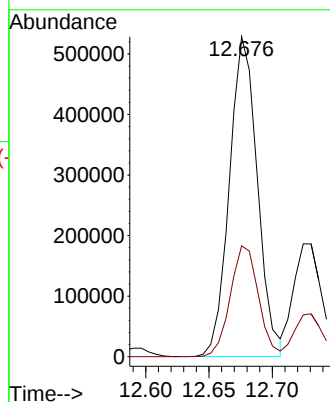
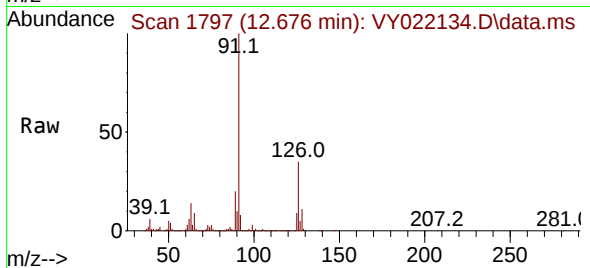




#79
2-Chlorotoluene
Concen: 71.710 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

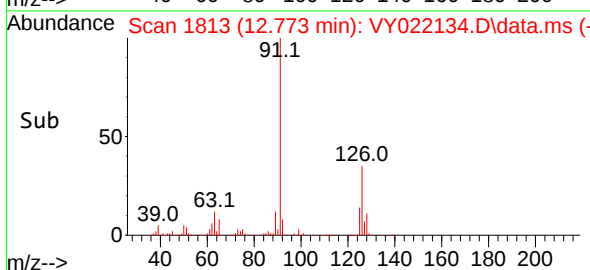
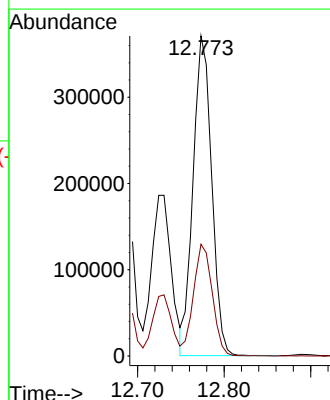
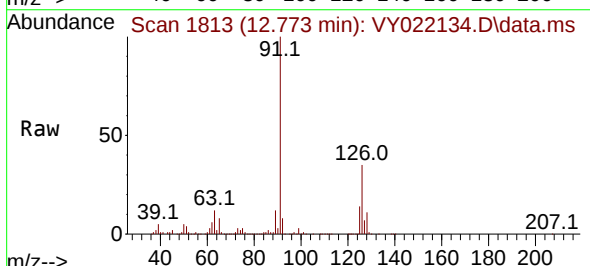
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

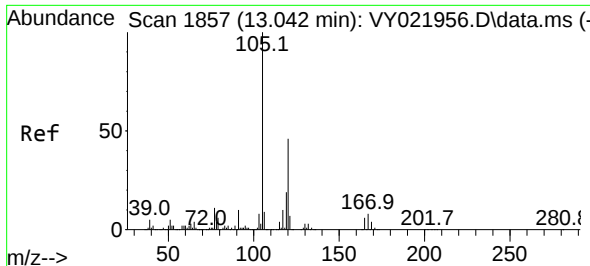
Tgt Ion: 91 Resp: 814084
Ion Ratio Lower Upper
91 100
126 34.8 17.9 53.8



#82
4-Chlorotoluene
Concen: 46.831 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 91 Resp: 552666
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.8

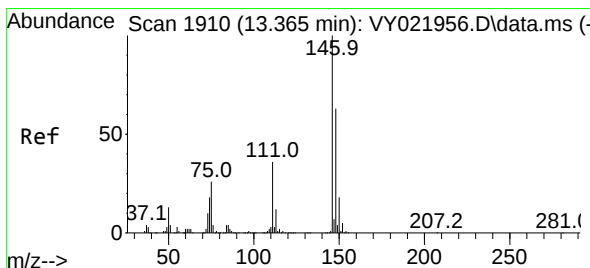
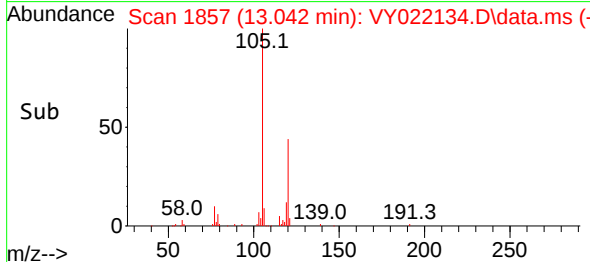
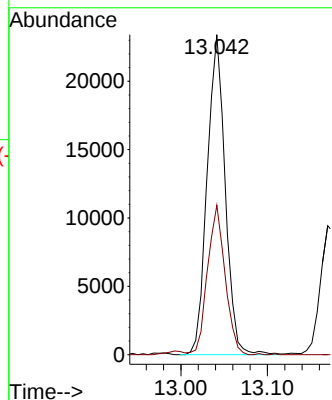
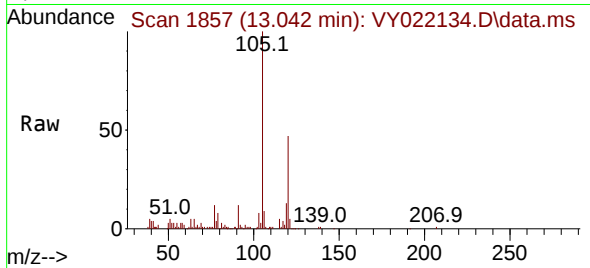




#84
1,2,4-Trimethylbenzene
Concen: 2.508 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:105 Resp: 33886
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.0



#88
1,4-Dichlorobenzene
Concen: 4.694 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:146 Resp: 39106
Ion Ratio Lower Upper
146 100
111 46.3 19.2 57.6
148 64.8 32.0 96.0

