

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022944.D
 Acq On : 03 Jul 2025 15:47
 Operator : SY/MD
 Sample : Q2487-07
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(4.5)

Quant Time: Jul 07 08:23:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

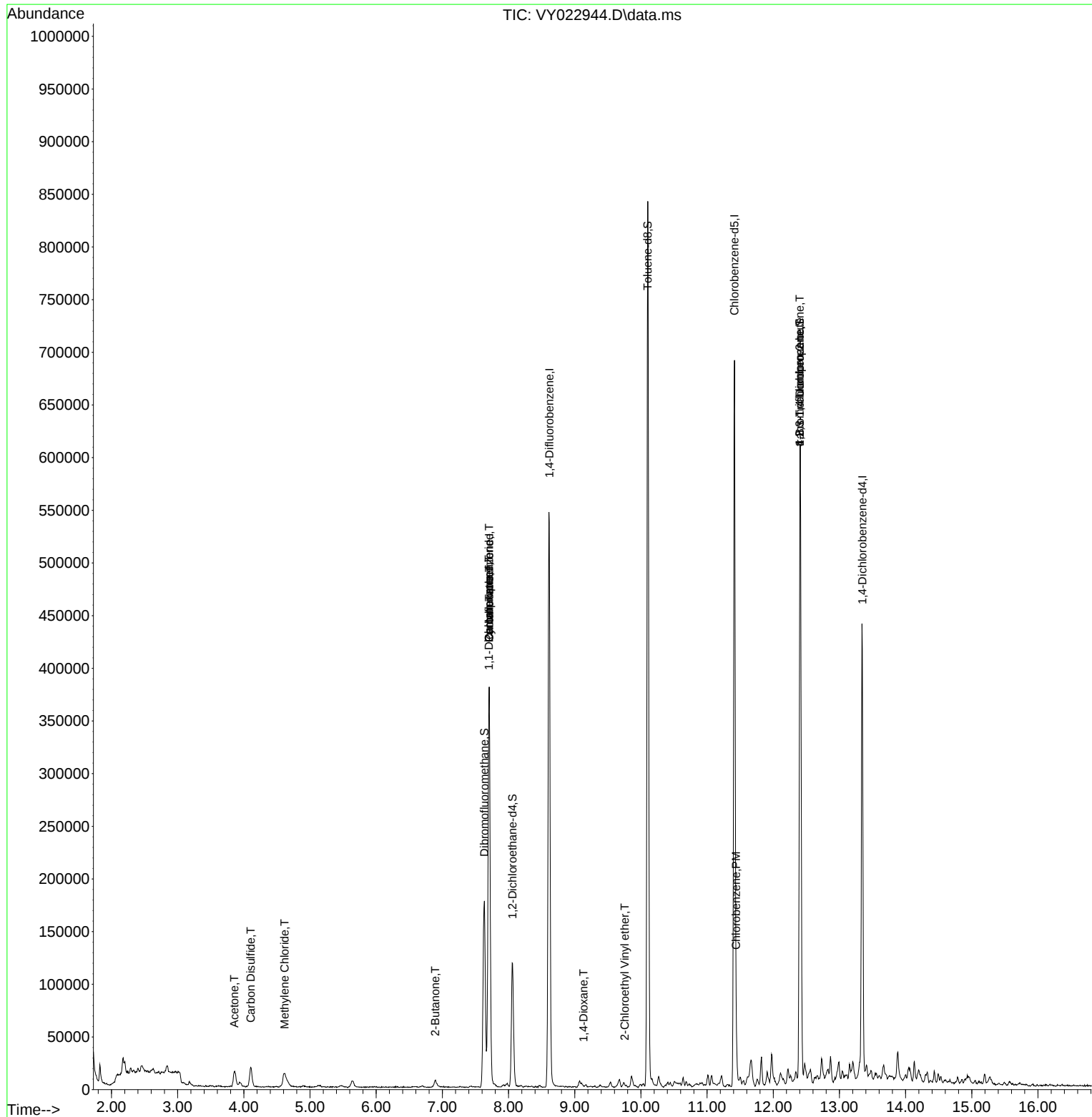
Internal Standards						
1) Pentafluorobenzene	7.707	168	278058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	464417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95965	30.922	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	61.840%		
35) Dibromofluoromethane	7.634	113	125686	44.501	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.000%		
50) Toluene-d8	10.103	98	539840	48.168	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.402	95	124944	34.679	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.360%		
Target Compounds						Qvalue
16) Acetone	3.854	43	26826	45.734	ug/l	95
17) Carbon Disulfide	4.104	76	35981	3.957	ug/l	98
20) Methylene Chloride	4.616	84	8429	2.275	ug/l	91
25) 2-Butanone	6.890	43	11137	13.045	ug/l #	82
31) Cyclohexane	7.707	56	8237	1.545	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	25281	5.905	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29850	6.608	ug/l #	17
49) 1,4-Dioxane	9.134	88	52	2.517	ug/l #	68
58) 2-Chloroethyl Vinyl ether	9.756	63	23	15.669	ug/l #	48
65) Chlorobenzene	11.438	112	20574	2.669	ug/l	97
76) 1,2,3-Trichloropropane	12.402	75	74745	70.116	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	74745	177.140	ug/l #	11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Time: Jul 07 08:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

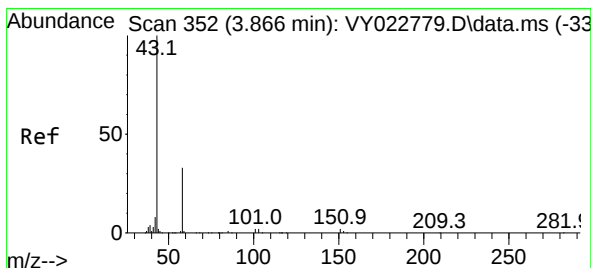
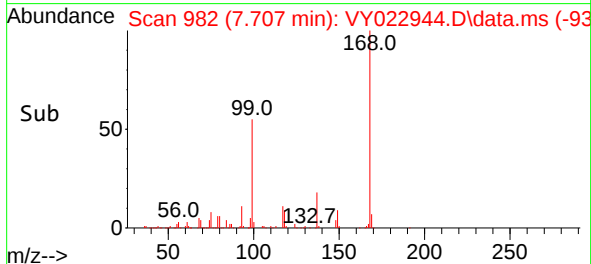
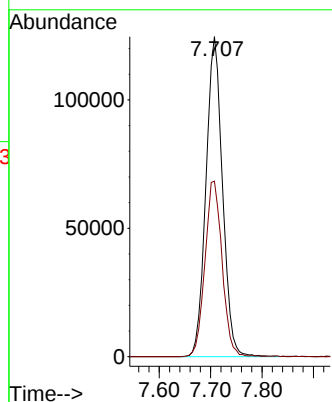
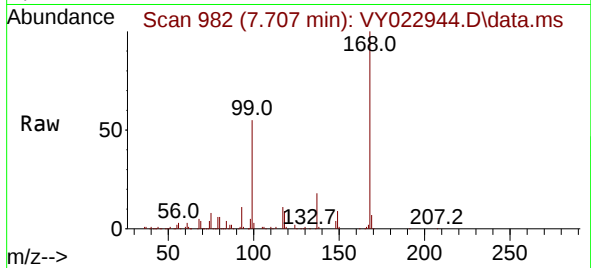




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

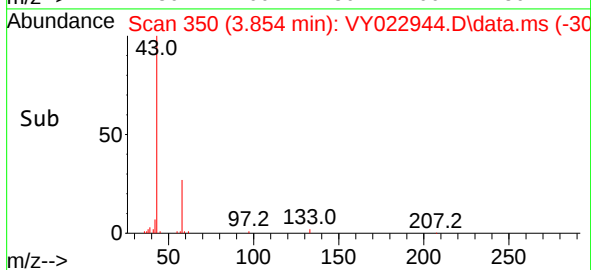
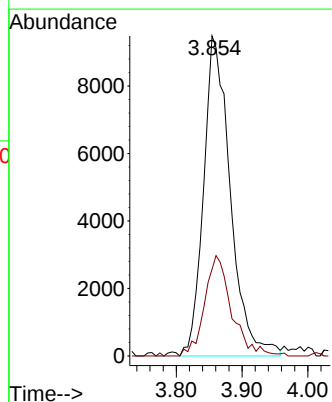
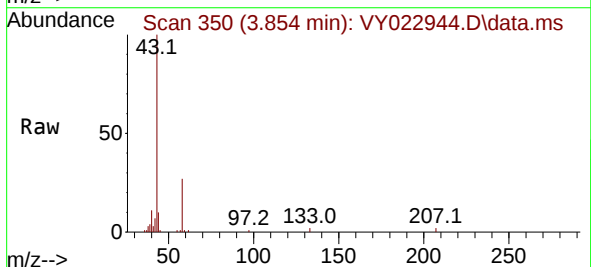
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

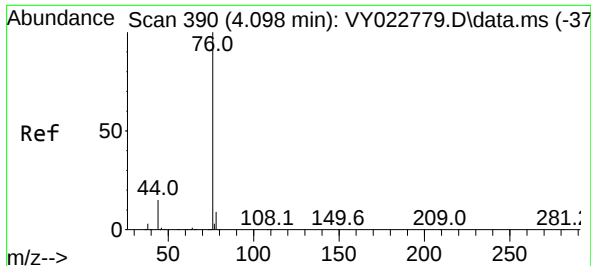
Tgt Ion:168 Resp: 278058
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#16
Acetone
Concen: 45.734 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 43 Resp: 26826
Ion Ratio Lower Upper
43 100
58 27.1 24.0 36.0

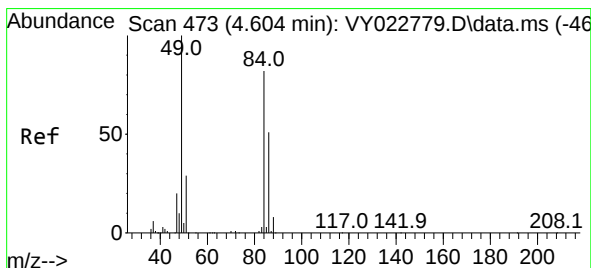
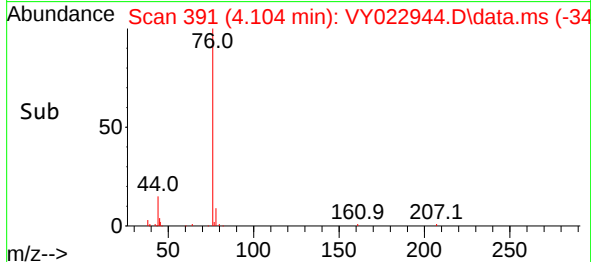
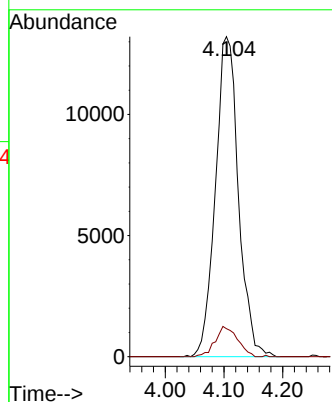
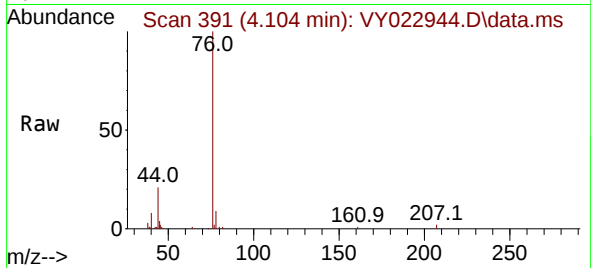




#17
Carbon Disulfide
Concen: 3.957 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

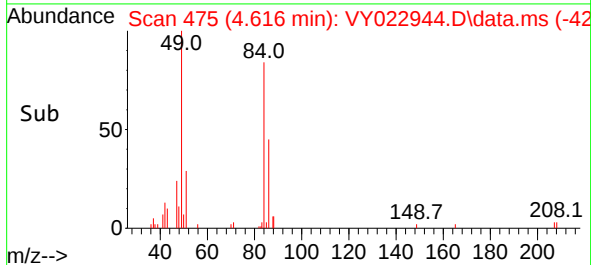
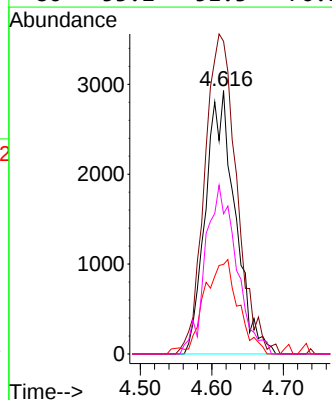
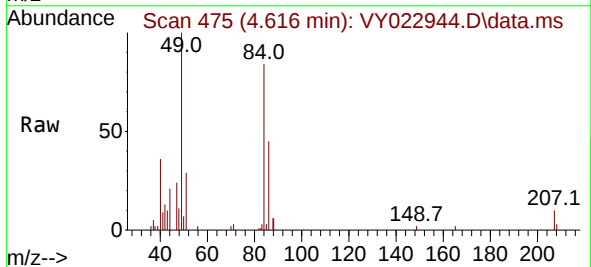
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

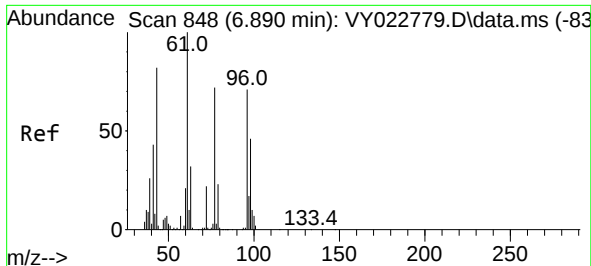
Tgt Ion: 76 Resp: 35981
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#20
Methylene Chloride
Concen: 2.275 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 84 Resp: 8429
Ion Ratio Lower Upper
84 100
49 118.7 101.9 152.9
51 34.0 29.8 44.8
86 53.2 51.3 76.9

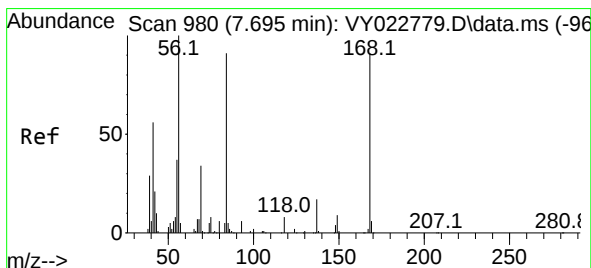
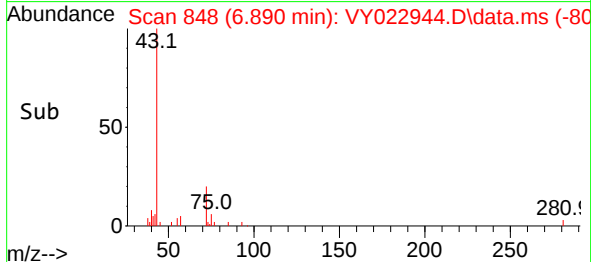
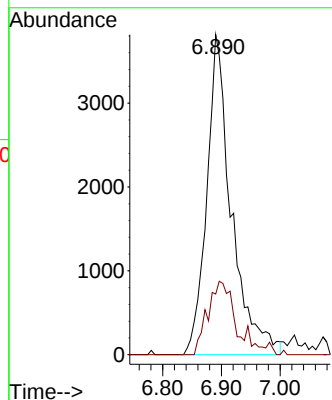
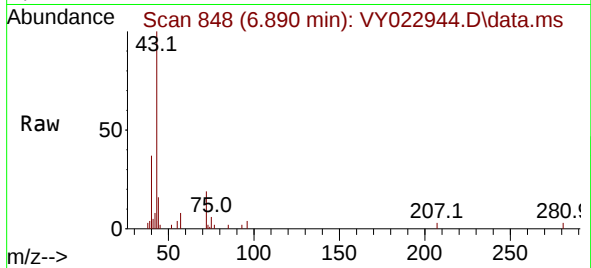




#25
2-Butanone
Concen: 13.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

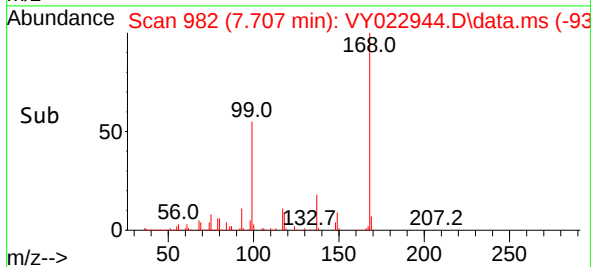
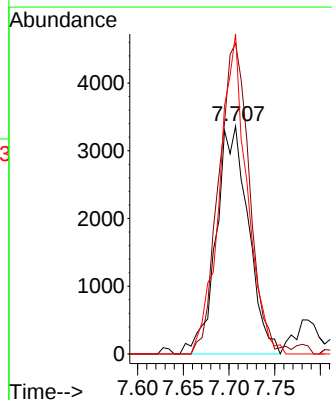
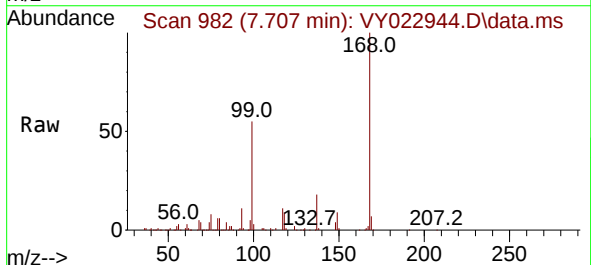
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

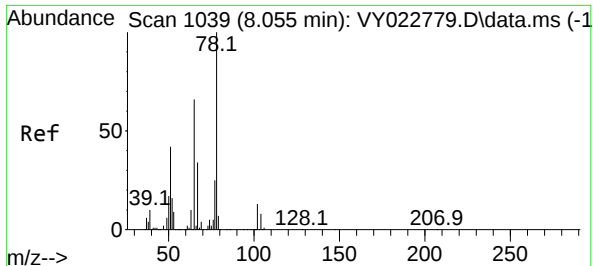
Tgt Ion: 43 Resp: 11137
Ion Ratio Lower Upper
43 100
72 18.9 22.9 34.3#



#31
Cyclohexane
Concen: 1.545 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 56 Resp: 8237
Ion Ratio Lower Upper
56 100
69 136.4 27.0 40.6#
84 140.5 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 30.922 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

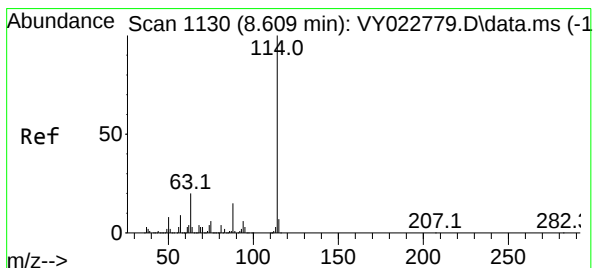
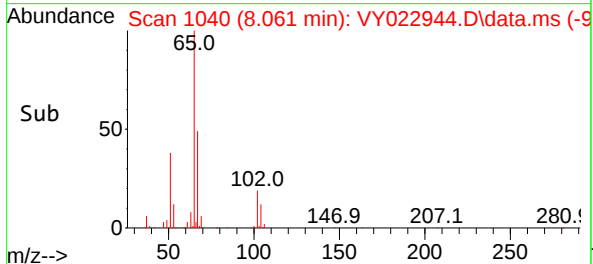
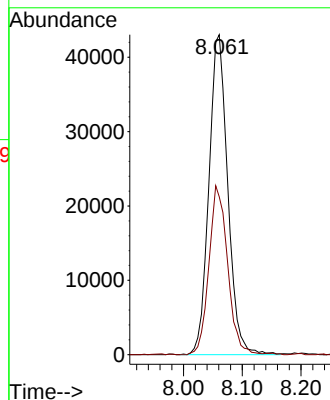
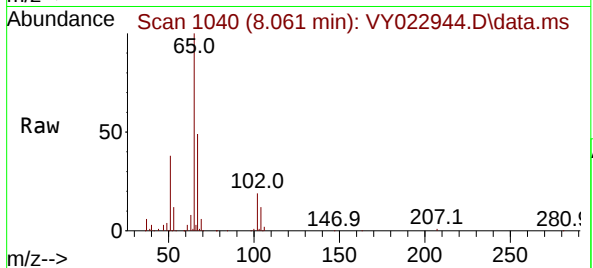
G1(4.5)

Tgt Ion: 65 Resp: 95965

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

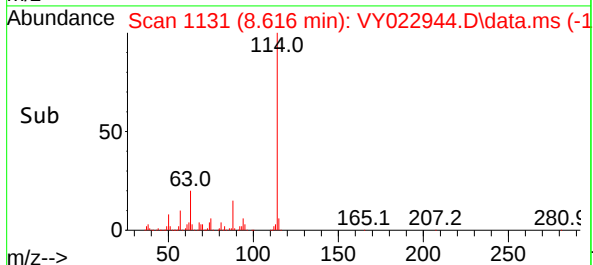
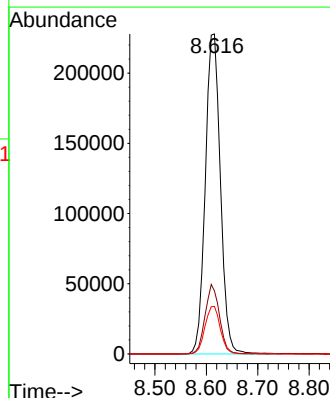
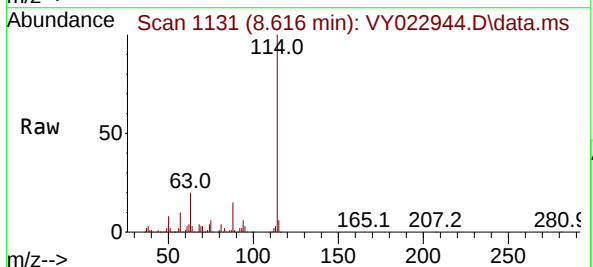
Tgt Ion:114 Resp: 464417

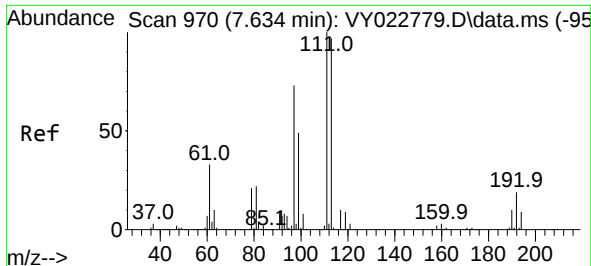
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.8 0.0 27.8

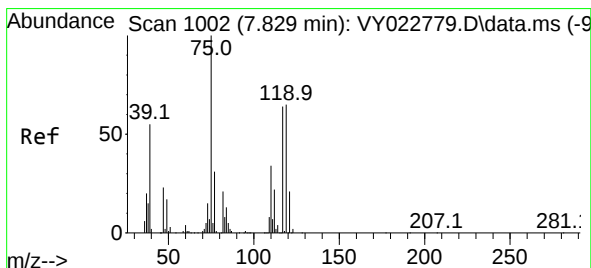
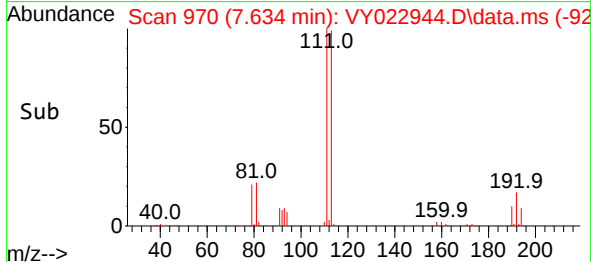
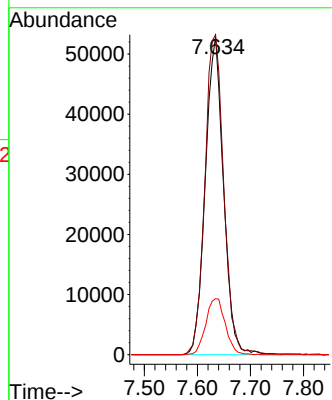
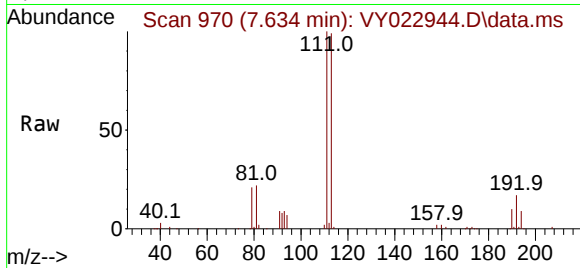




#35
Dibromofluoromethane
Concen: 44.501 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

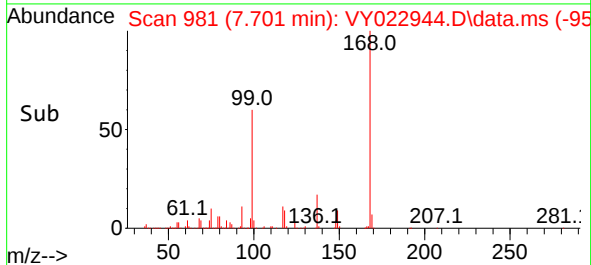
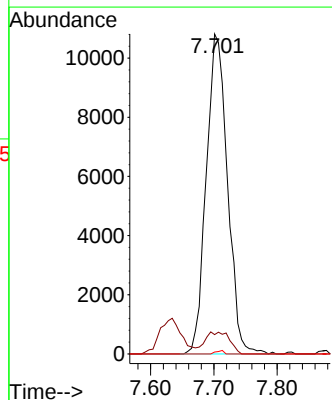
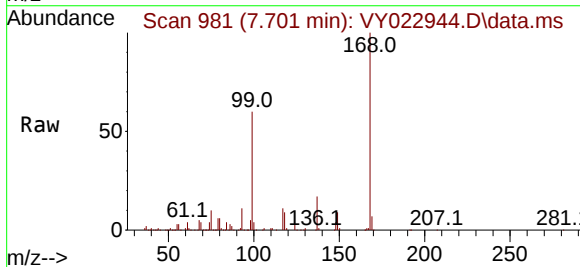
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

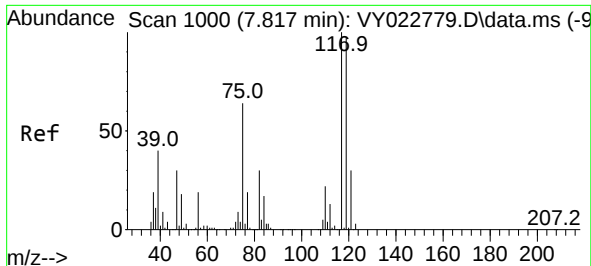
Tgt Ion:113 Resp: 125686
Ion Ratio Lower Upper
113 100
111 104.6 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.905 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 75 Resp: 25281
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.4 24.8 37.2#

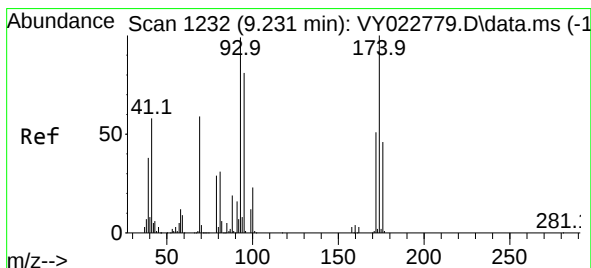
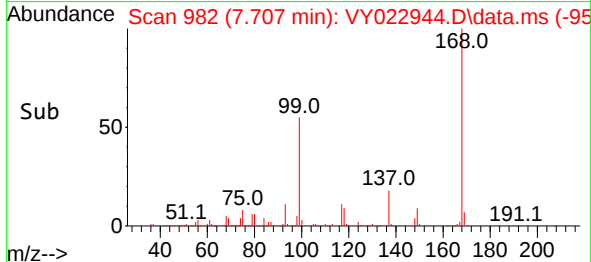
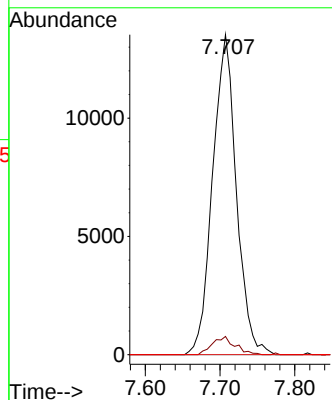
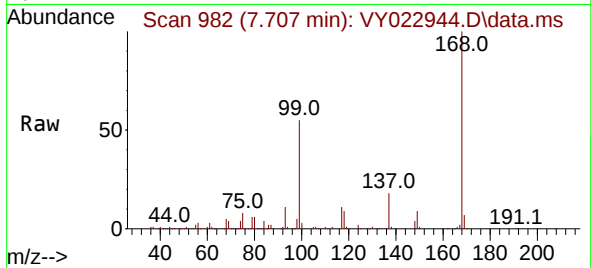




#38
Carbon Tetrachloride
Concen: 6.608 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

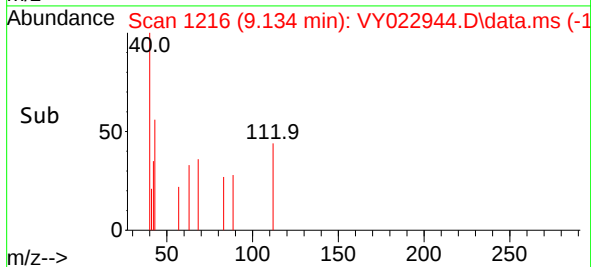
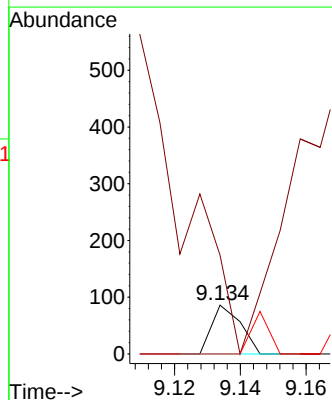
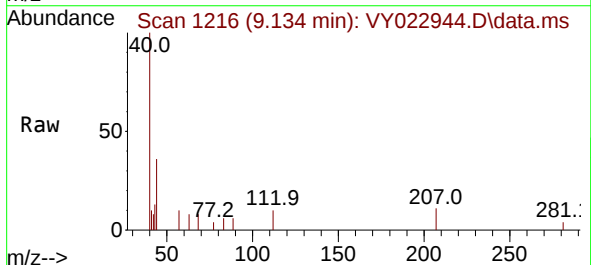
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

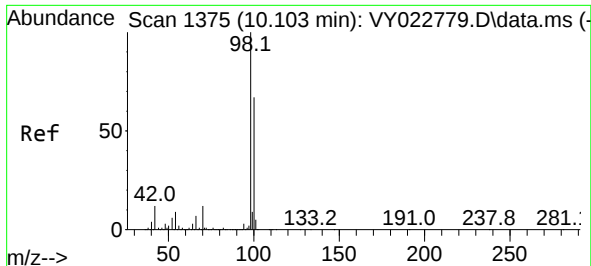
Tgt Ion:117 Resp: 29850
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.517 ug/l
RT: 9.134 min Scan# 1216
Delta R.T. -0.110 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 51.9 54.9 82.3#

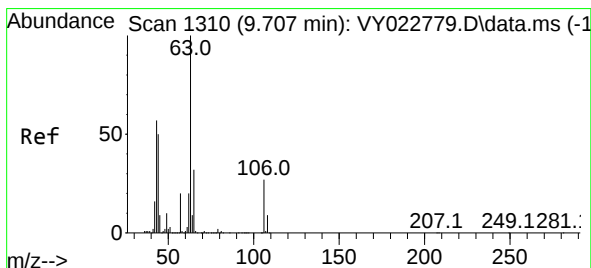
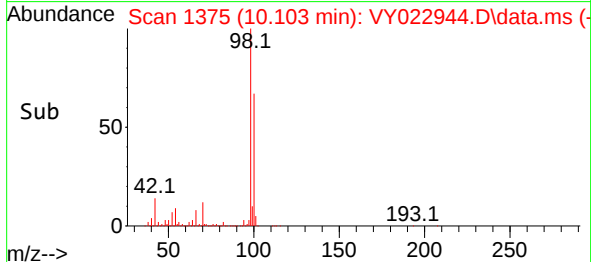
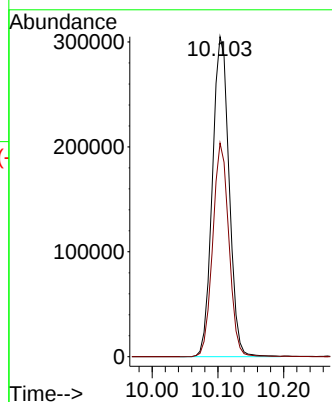
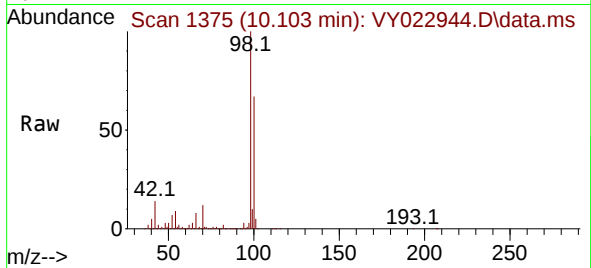




#50
Toluene-d8
Concen: 48.168 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

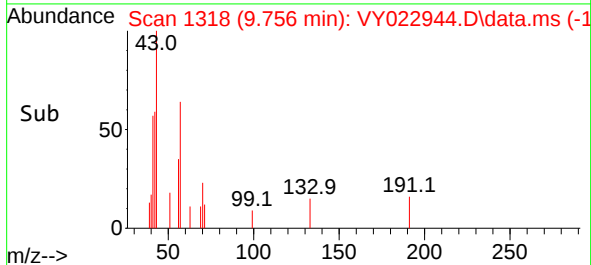
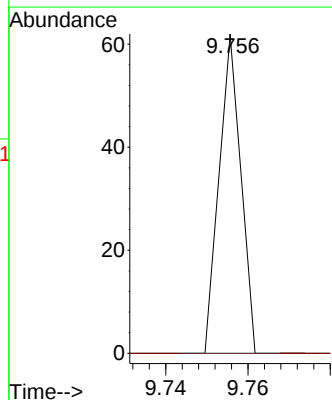
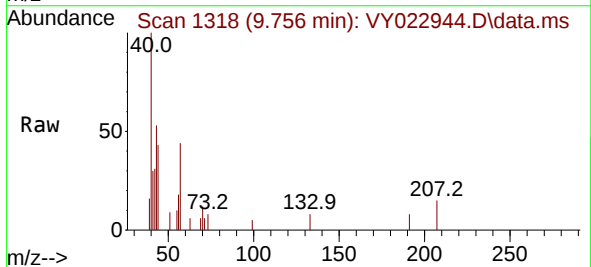
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

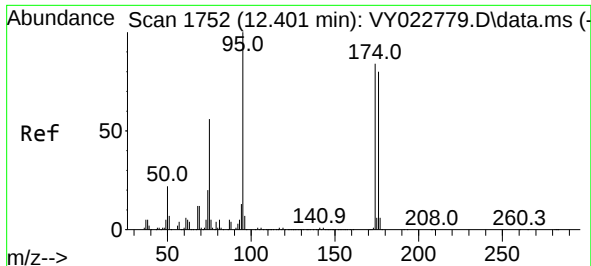
Tgt Ion: 98 Resp: 539840
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.669 ug/l
RT: 9.756 min Scan# 1318
Delta R.T. 0.043 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

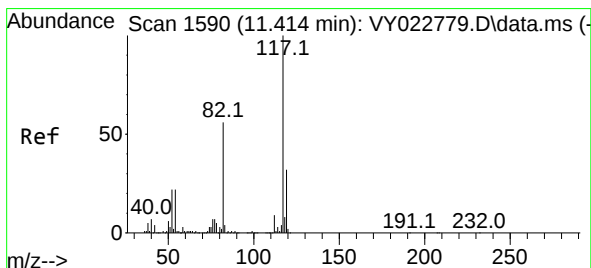
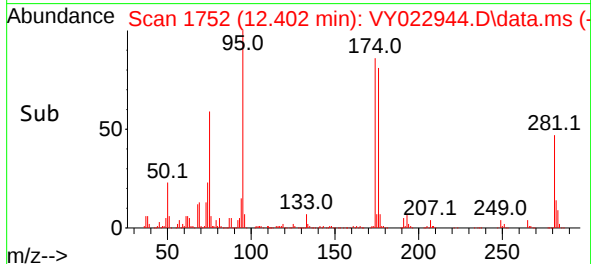
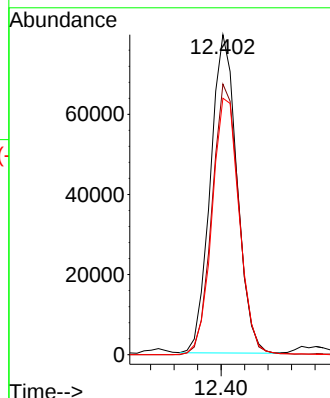
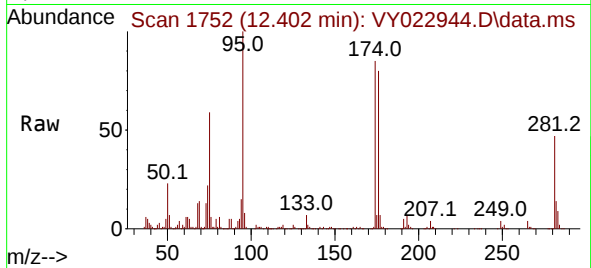




#62
4-Bromofluorobenzene
Concen: 34.679 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

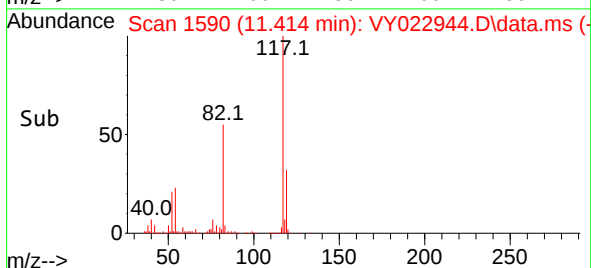
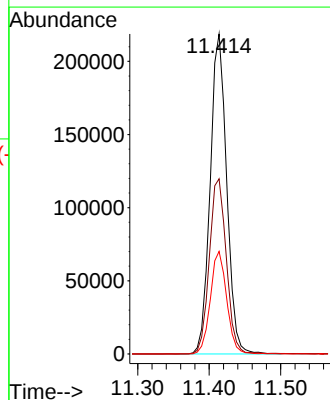
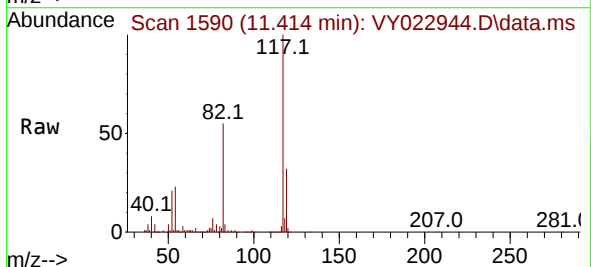
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

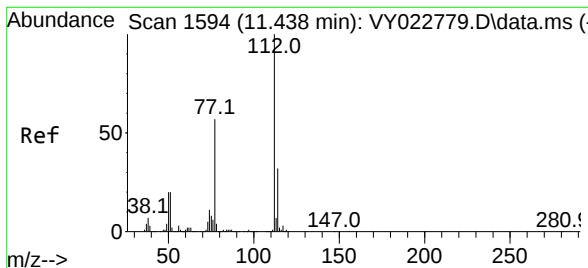
Tgt Ion: 95 Resp: 124944
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 117 Resp: 350783
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 32.0 25.4 38.0





#65

Chlorobenzene

Concen: 2.669 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

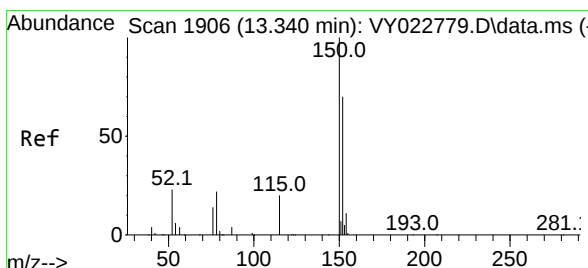
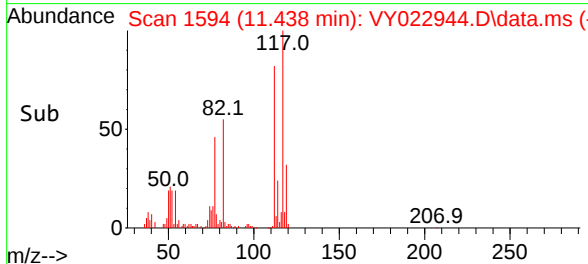
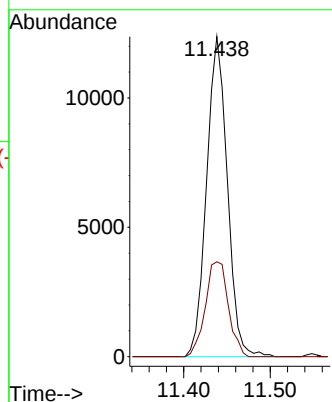
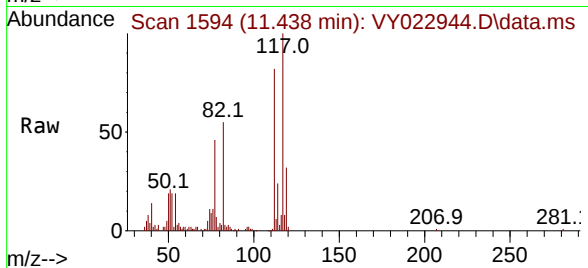
G1(4.5)

Tgt Ion:112 Resp: 20574

Ion Ratio Lower Upper

112 100

114 29.7 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

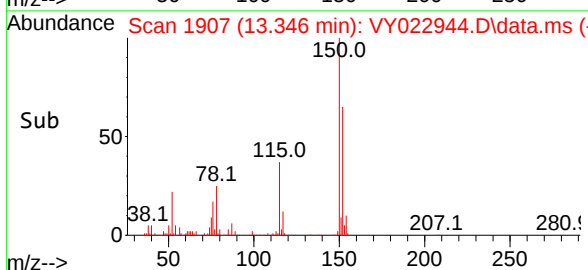
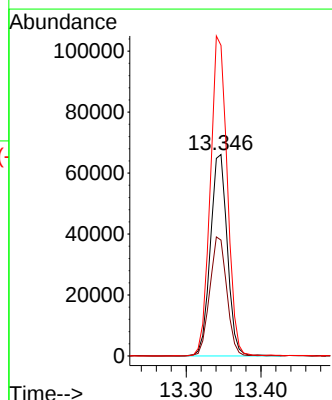
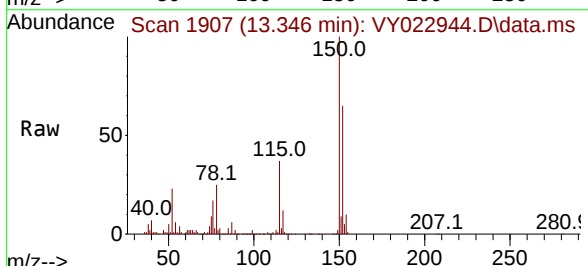
Tgt Ion:152 Resp: 104418

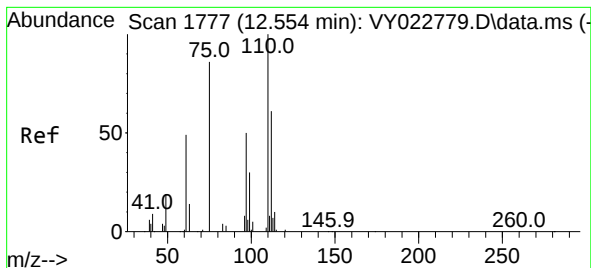
Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 158.1 0.0 349.6

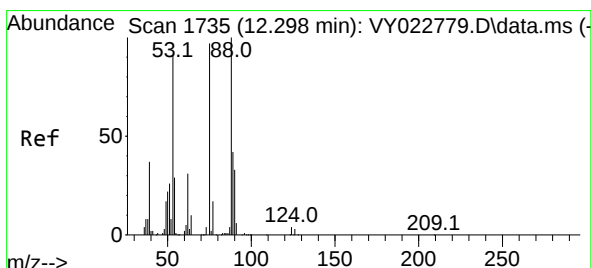
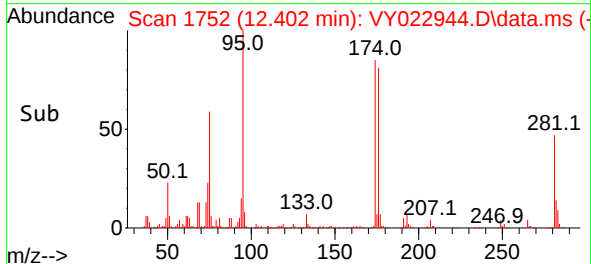
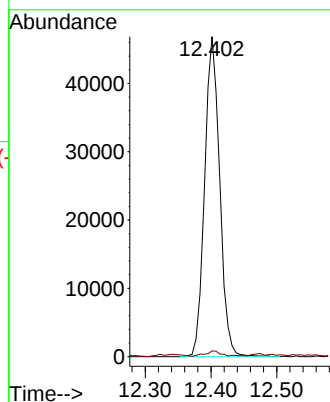
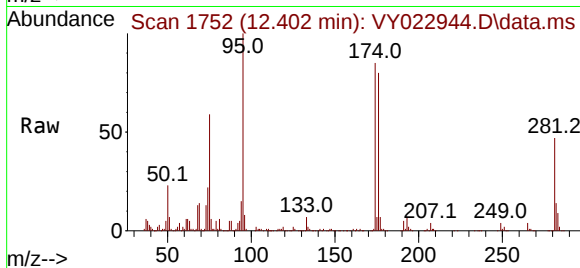




#76
1,2,3-Trichloropropane
Concen: 70.116 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion: 75 Resp: 74745
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 177.140 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 75 Resp: 74745
Ion Ratio Lower Upper
75 100
53 0.4 78.5 117.7#
89 1.3 35.7 53.5#

