

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023198.D
 Acq On : 22 Aug 2025 17:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 05:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

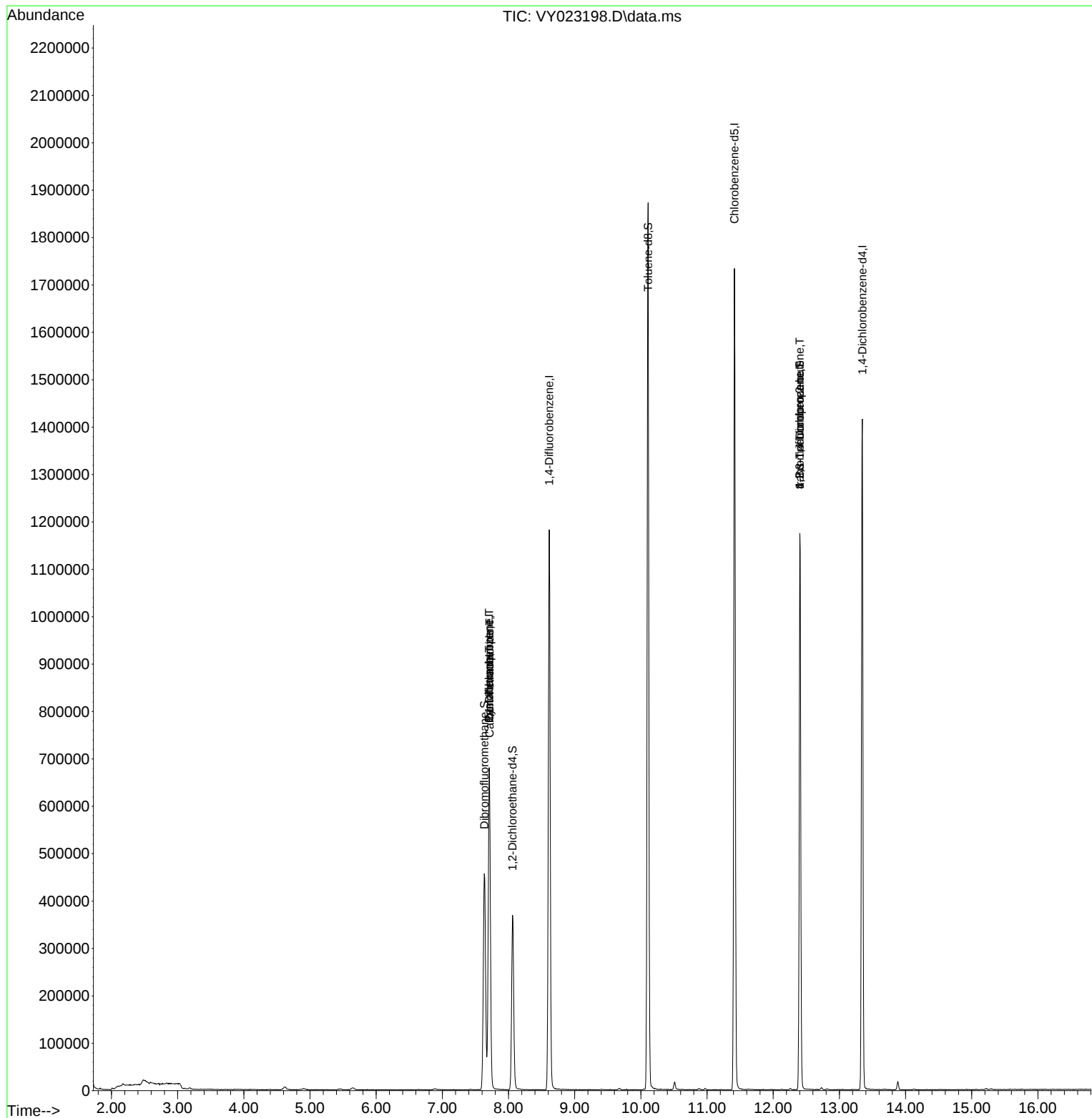
Internal Standards						
1) Pentafluorobenzene	7.707	168	533902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1019496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	919046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	367712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	285967	56.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.400%	
35) Dibromofluoromethane	7.634	113	328820	53.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.800%	
50) Toluene-d8	10.109	98	1244722	52.230	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.460%	
62) 4-Bromofluorobenzene	12.402	95	354428	46.245	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.480%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	4411	Below Cal	#	83
31) Cyclohexane	7.707	56	10943	1.155	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	41152	4.539	ug/l #	49
38) Carbon Tetrachloride	7.713	117	52050	5.286	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	181682	51.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	181682	123.927	ug/l #	14

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

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MSVOA_Y
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VIBLK

Quant Time: Aug 25 05:20:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

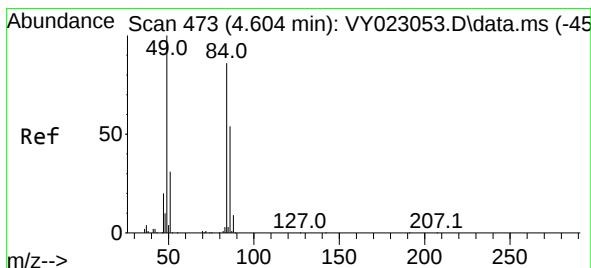
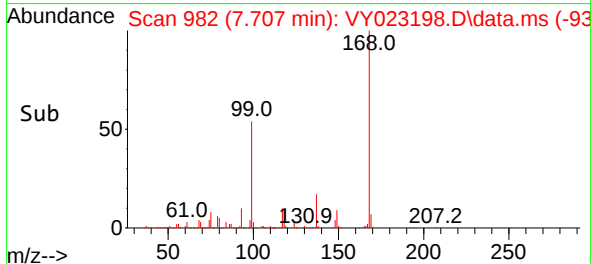
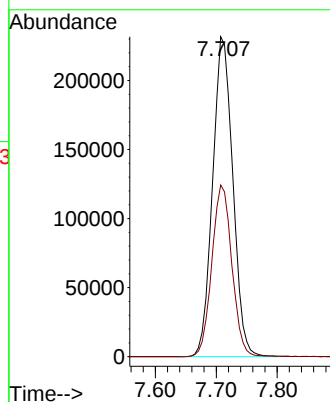
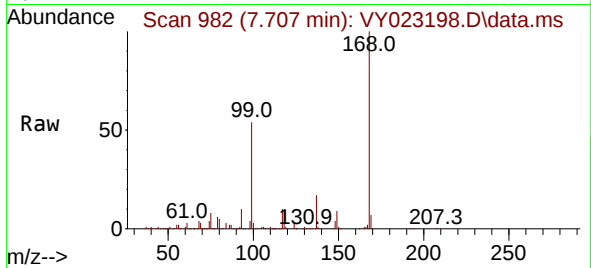




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

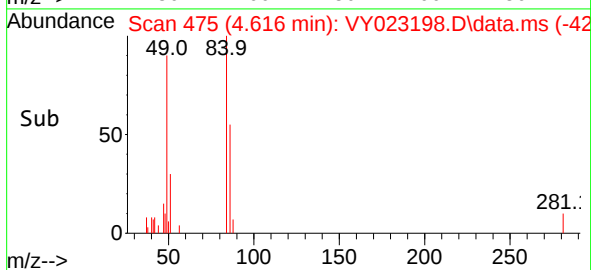
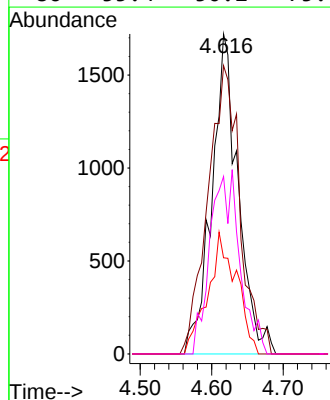
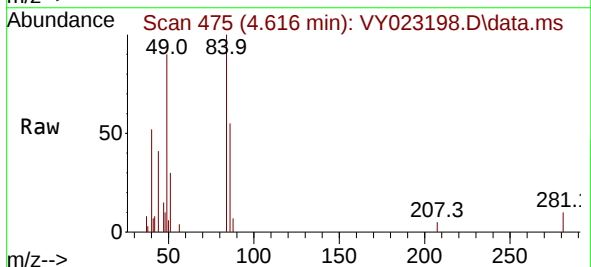
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

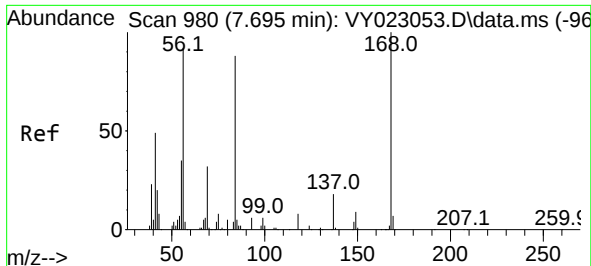
Tgt Ion:168 Resp: 533902
Ion Ratio Lower Upper
168 100
99 53.6 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion: 84 Resp: 4411
Ion Ratio Lower Upper
84 100
49 90.1 93.0 139.6#
51 30.0 29.0 43.4
86 55.4 50.2 75.4

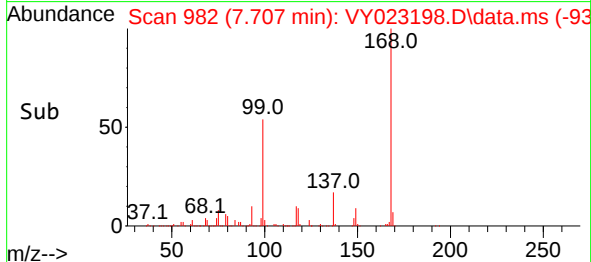
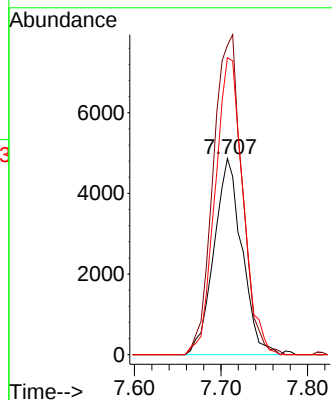
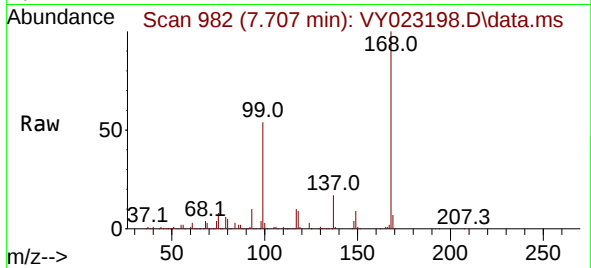




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

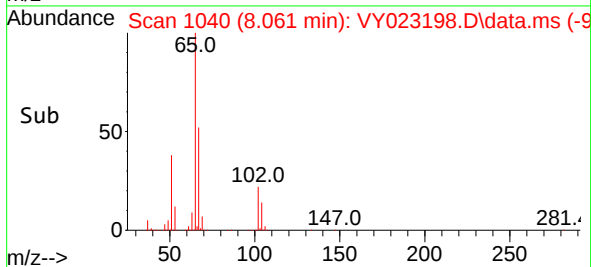
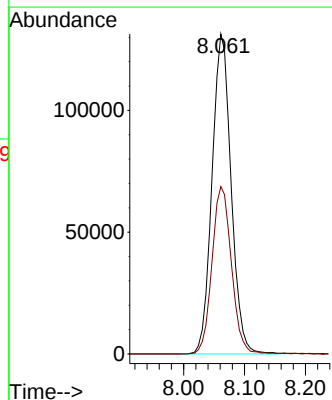
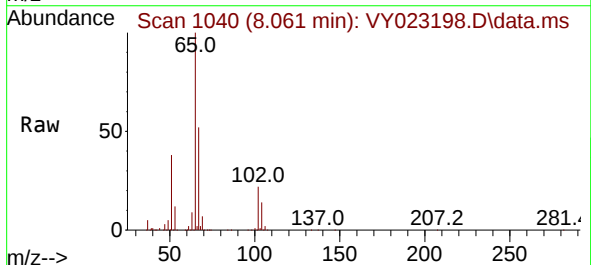
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

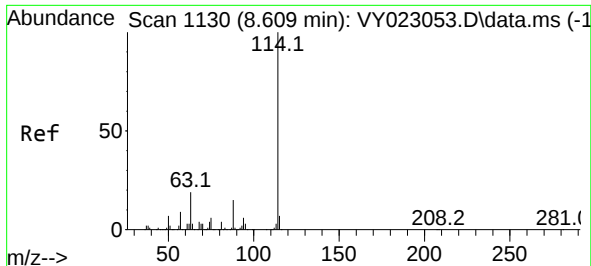
Tgt Ion: 56 Resp: 10943
Ion Ratio Lower Upper
56 100
69 157.7 28.2 42.2#
84 151.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.199 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion: 65 Resp: 285967
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

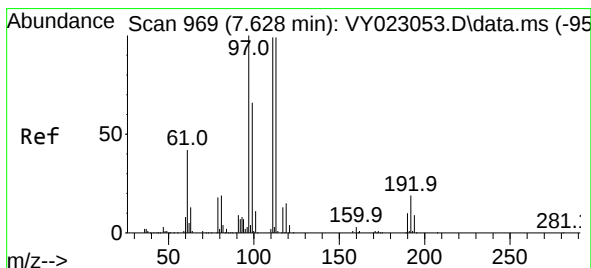
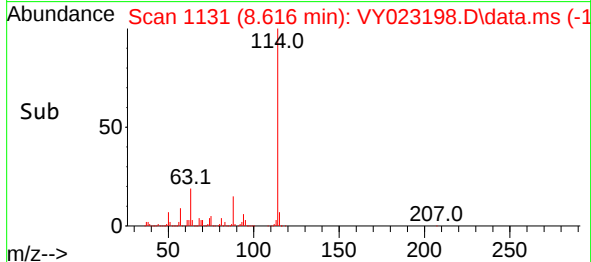
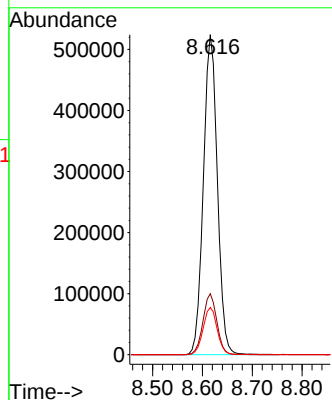
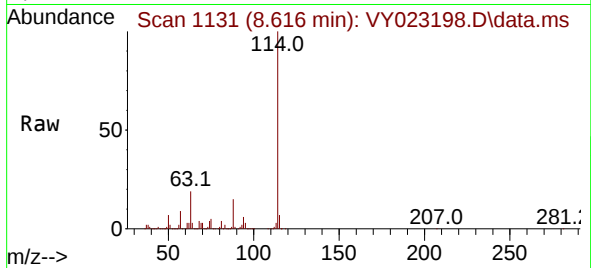




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

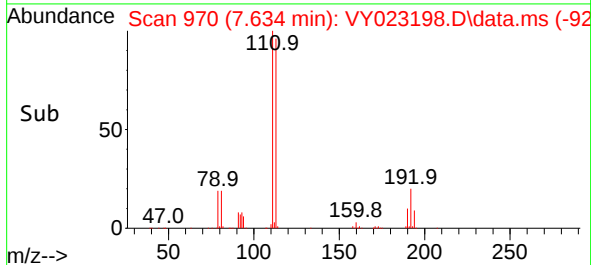
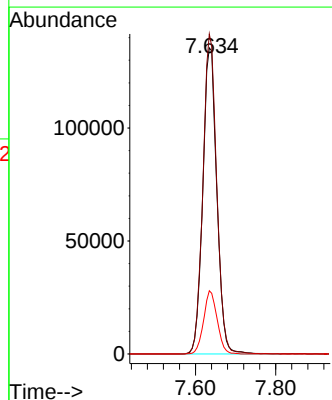
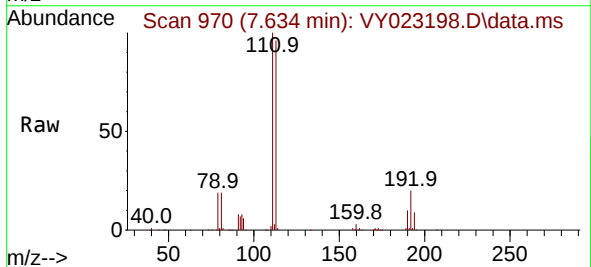
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

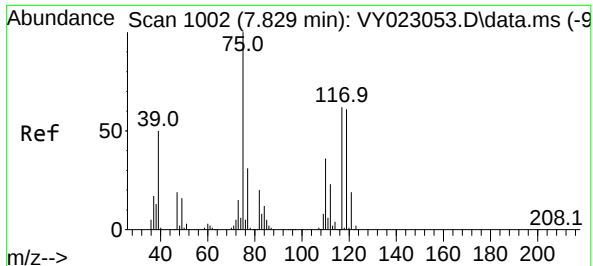
Tgt Ion:114 Resp: 1019496
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.902 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion:113 Resp: 328820
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.539 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

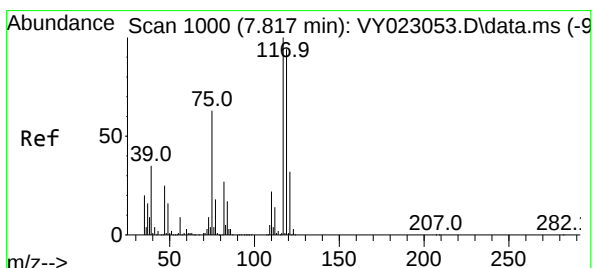
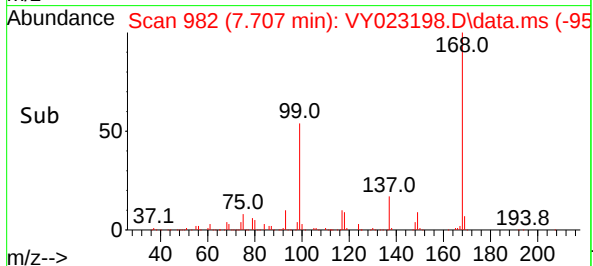
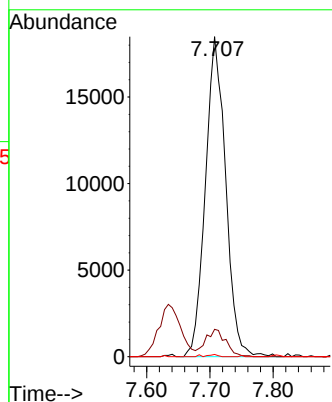
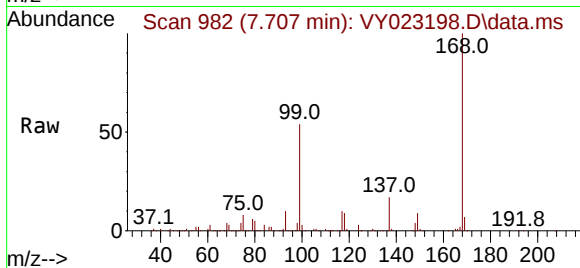
Tgt Ion: 75 Resp: 41152

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.286 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

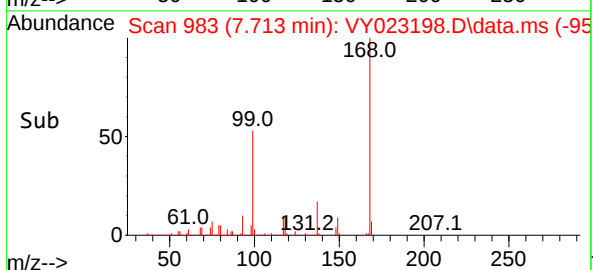
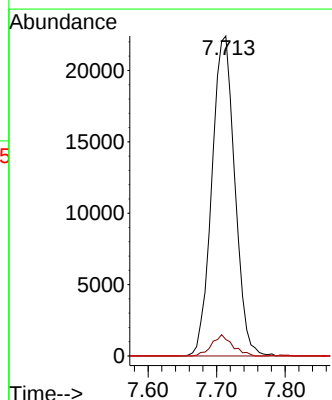
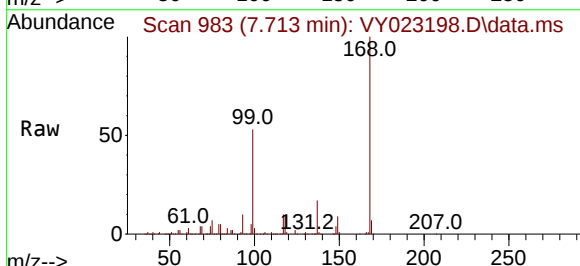
Tgt Ion: 117 Resp: 52050

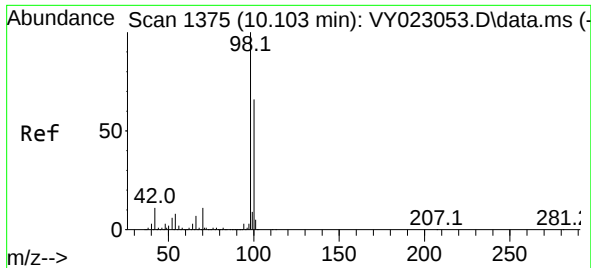
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 25.8 38.8#

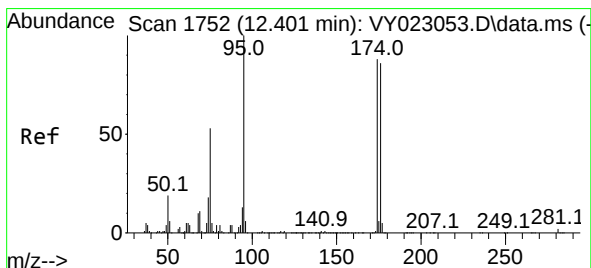
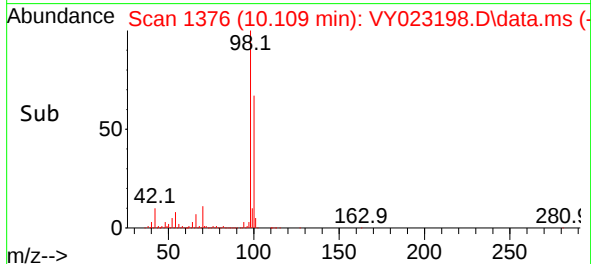
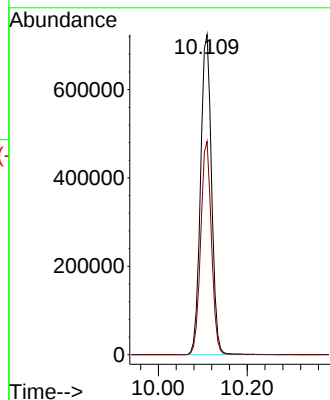
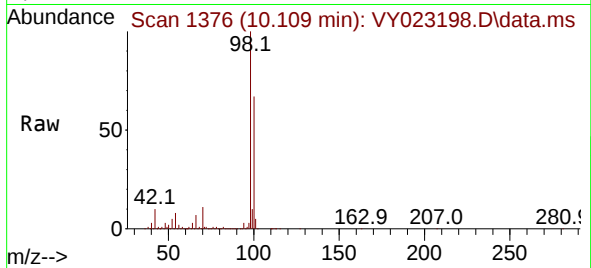




#50
Toluene-d8
Concen: 52.230 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

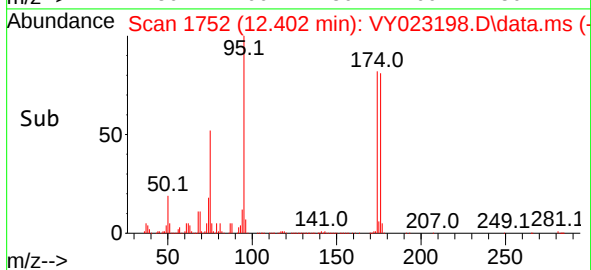
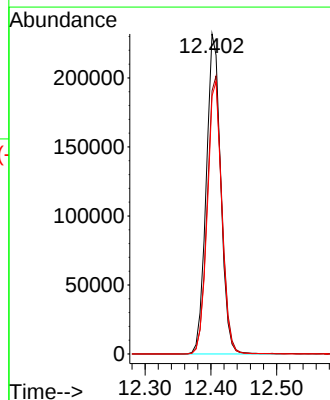
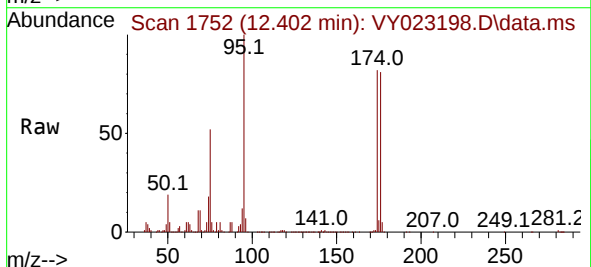
Instrument :
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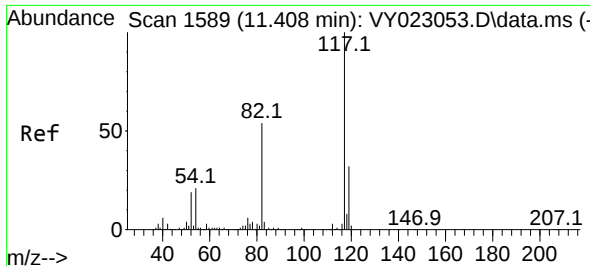
Tgt Ion: 98 Resp: 1244722
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.245 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion: 95 Resp: 354428
Ion Ratio Lower Upper
95 100
174 88.2 0.0 171.6
176 85.0 0.0 167.6

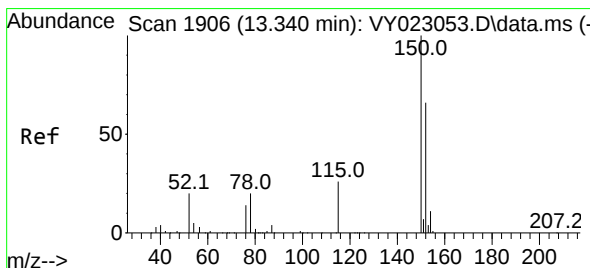
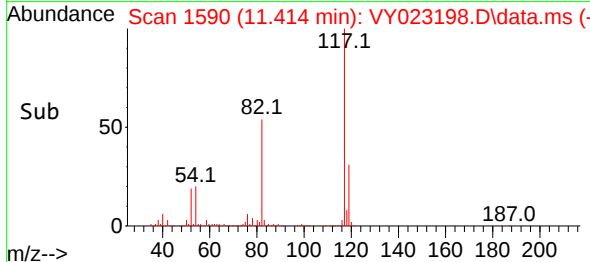
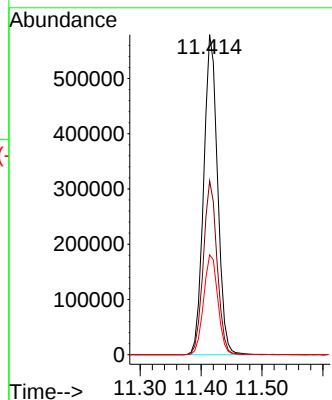
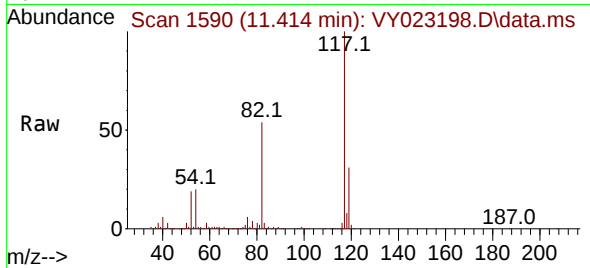




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

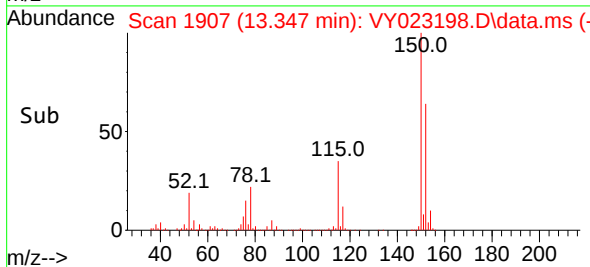
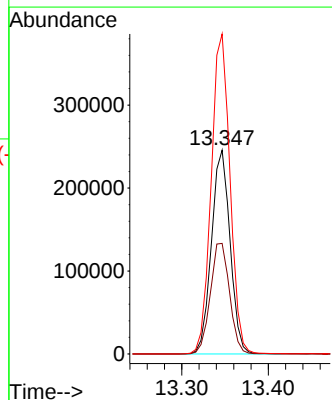
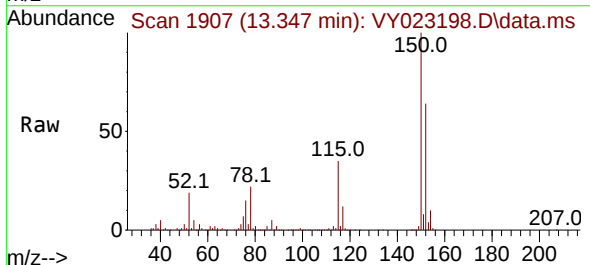
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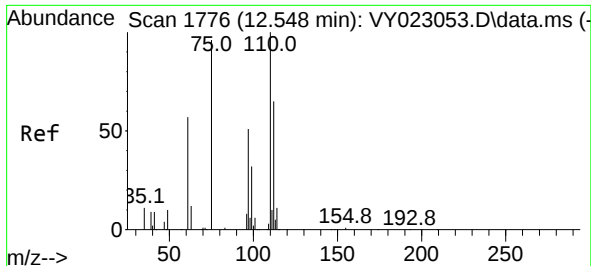
Tgt Ion:117 Resp: 919046
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion:152 Resp: 367712
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.6
150 158.1 0.0 348.0

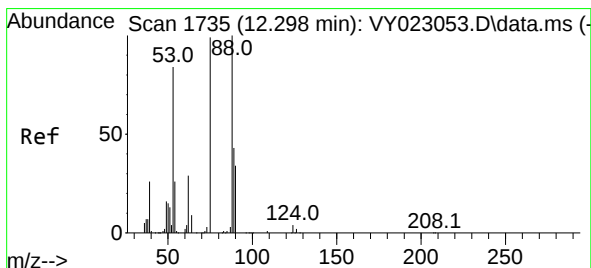
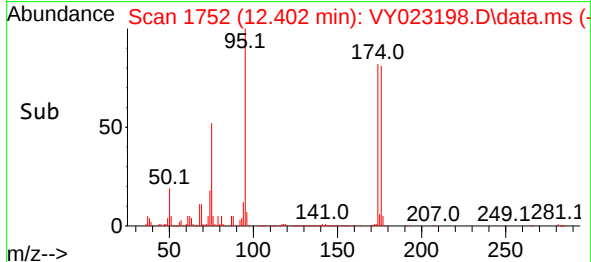
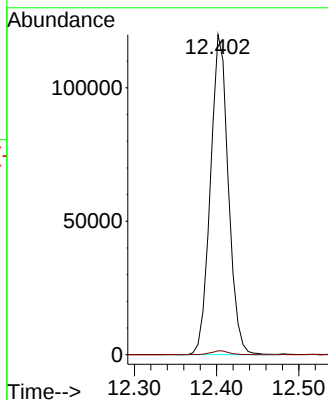
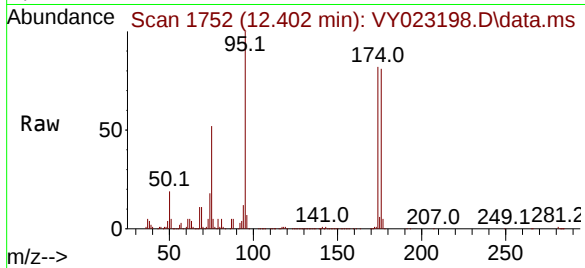




#76
 1,2,3-Trichloropropane
 Concen: 51.195 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023198.D
 Acq: 22 Aug 2025 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 181682
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.927 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023198.D
 Acq: 22 Aug 2025 17:22

Tgt Ion: 75 Resp: 181682
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

