

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023060.D
 Acq On : 13 Aug 2025 10:39
 Operator : SY/MD
 Sample : VY0813SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBL01

Quant Time: Aug 14 01:20:15 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)

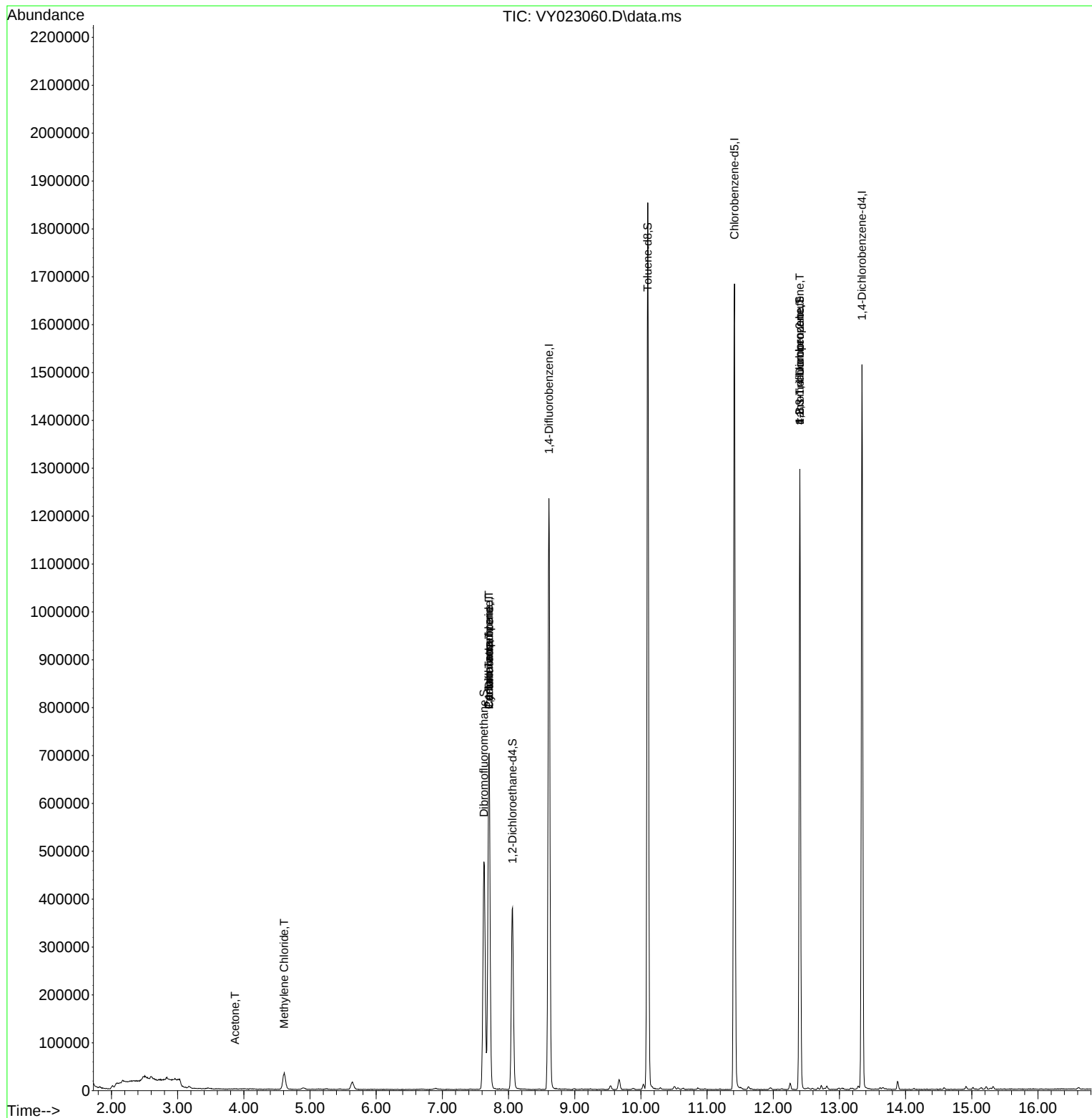
Internal Standards						
1) Pentafluorobenzene	7.707	168	552605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1076478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	906449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	384760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301370	57.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.440%			
35) Dibromofluoromethane	7.628	113	344686	53.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.020%			
50) Toluene-d8	10.103	98	1193438	47.427	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.401	95	382126	47.220	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.440%			
Target Compounds					Qvalue	
16) Acetone	3.866	43	1262	1.106	ug/l #	71
20) Methylene Chloride	4.610	84	24984	1.582	ug/l	94
31) Cyclohexane	7.701	56	11947	1.218	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	44173	4.614	ug/l #	49
38) Carbon Tetrachloride	7.701	117	56382	5.423	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	201845	54.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	201845	131.580	ug/l #	14

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

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Quant Time: Aug 14 01:20:15 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

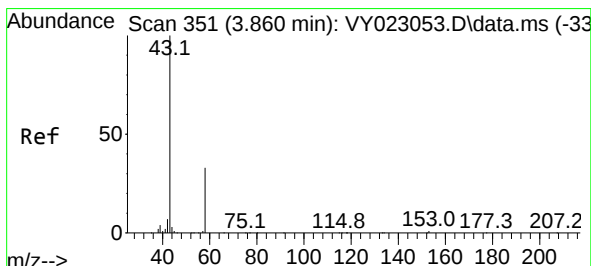
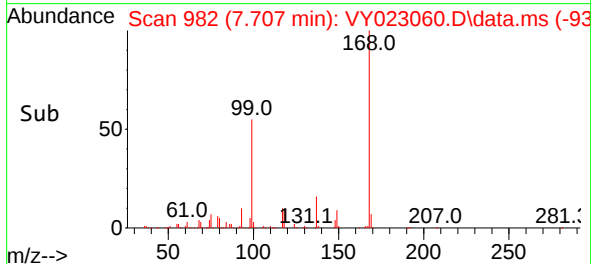
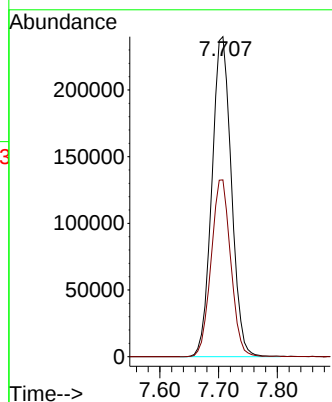
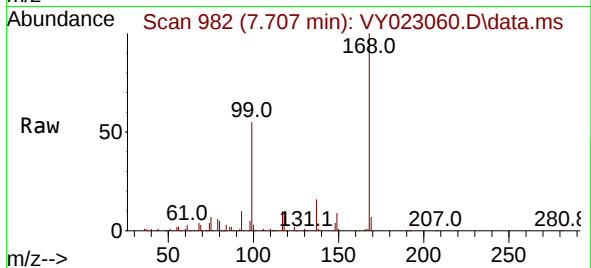




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

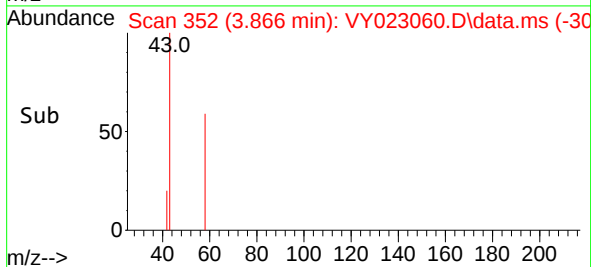
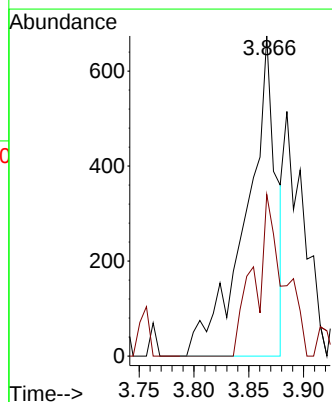
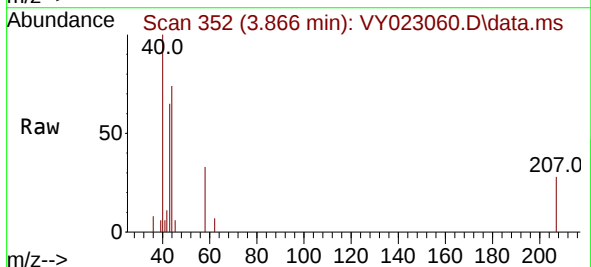
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

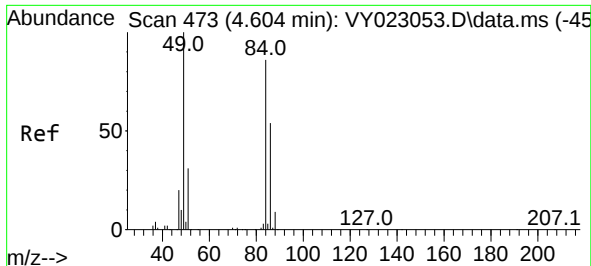
Tgt Ion:168 Resp: 552605
Ion Ratio Lower Upper
168 100
99 55.3 42.8 64.2



#16
Acetone
Concen: 1.106 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 50.4 27.1 40.7#

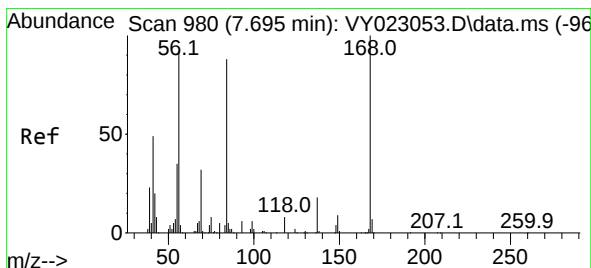
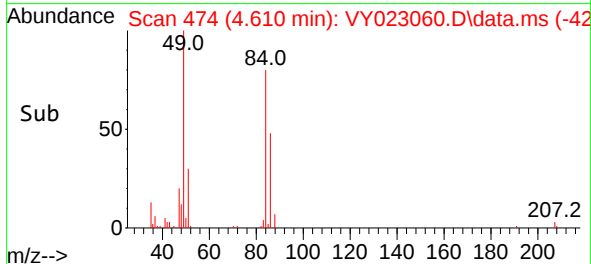
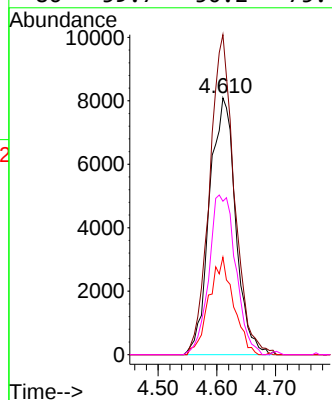
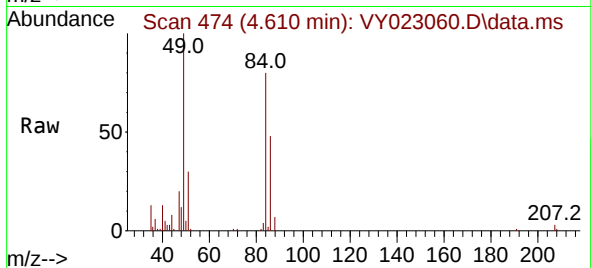




#20
Methylene Chloride
Concen: 1.582 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

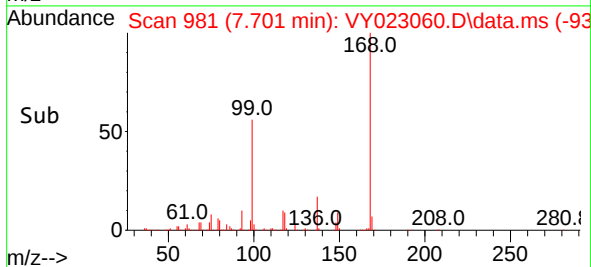
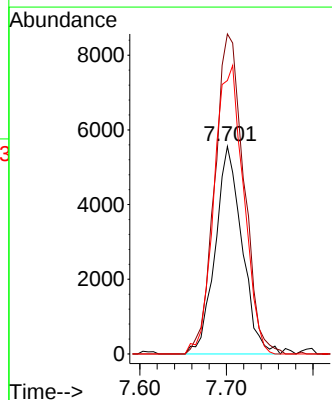
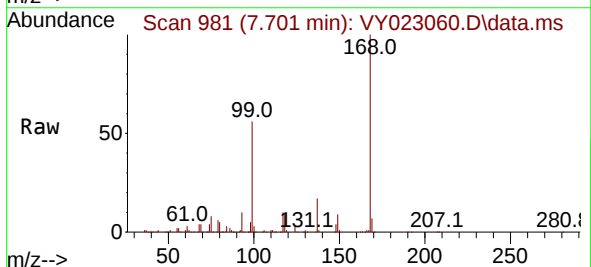
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

Tgt Ion:	84	Resp:	24984
Ion	Ratio	Lower	Upper
84	100		
49	124.6	93.0	139.6
51	37.9	29.0	43.4
86	59.7	50.2	75.4



#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

Tgt Ion:	56	Resp:	11947
Ion	Ratio	Lower	Upper
56	100		
69	154.1	28.2	42.2#
84	131.7	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.222 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023060.D

Acq: 13 Aug 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

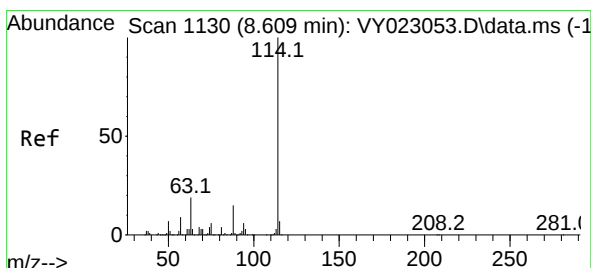
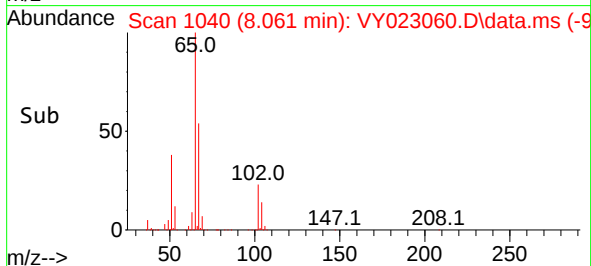
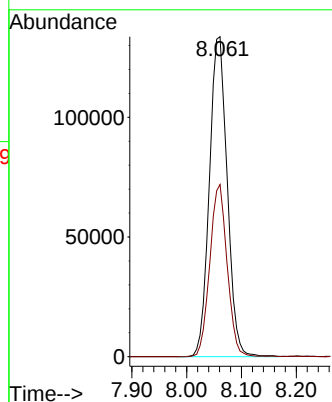
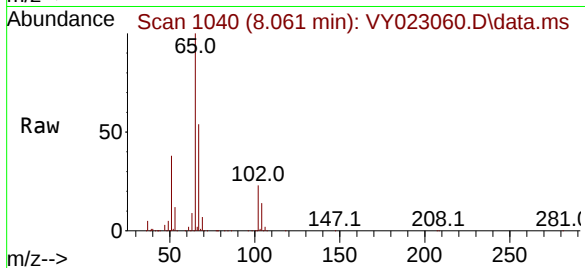
VY0813SBL01

Tgt Ion: 65 Resp: 301370

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023060.D

Acq: 13 Aug 2025 10:39

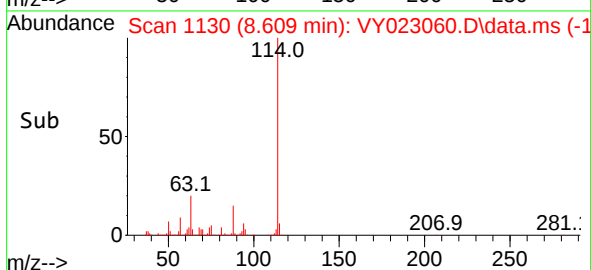
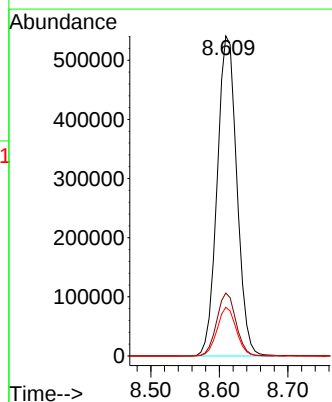
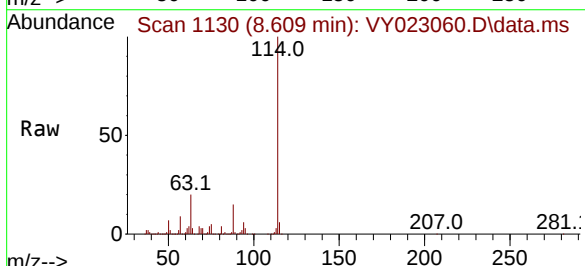
Tgt Ion:114 Resp: 1076478

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.2 0.0 30.0

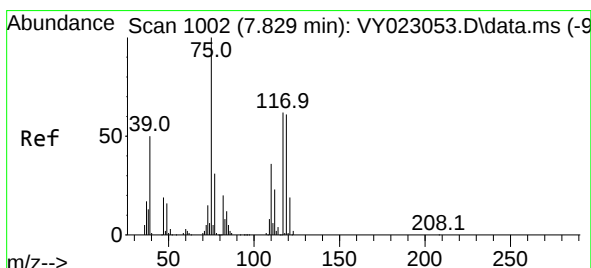
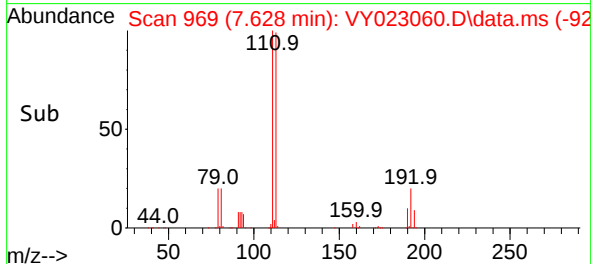
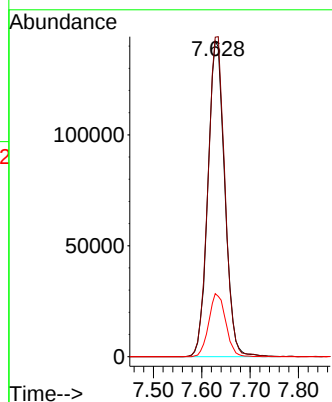
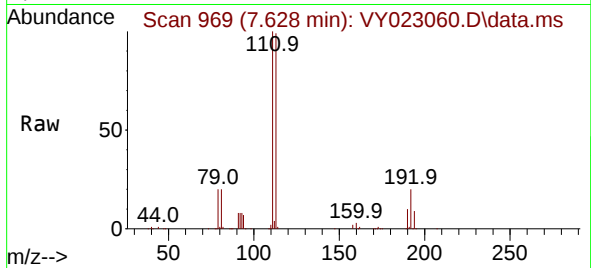




#35
Dibromofluoromethane
Concen: 53.512 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

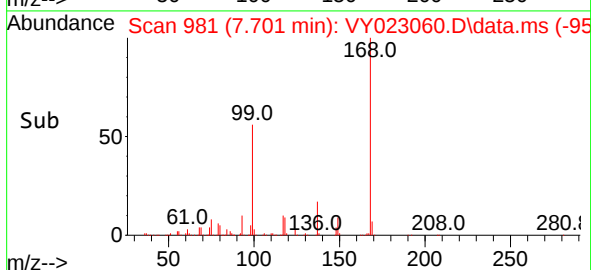
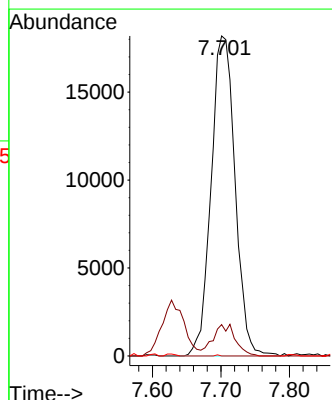
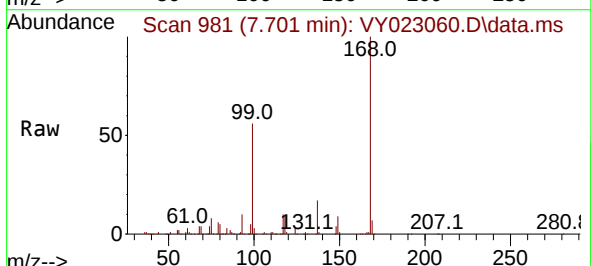
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

Tgt Ion:113 Resp: 344686
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

Tgt Ion: 75 Resp: 44173
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.1 24.6 37.0#

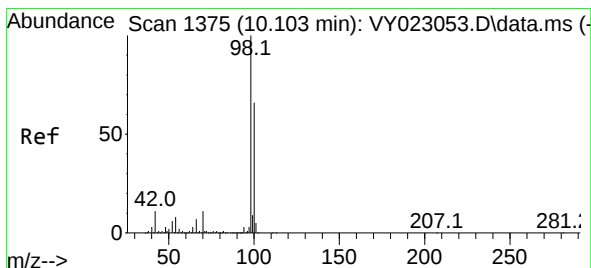
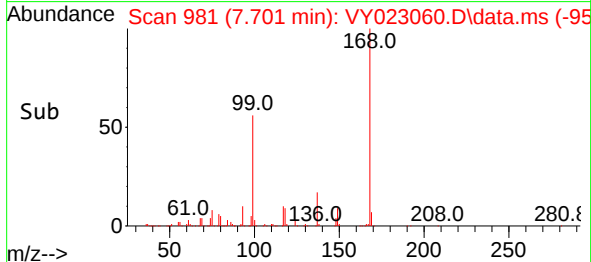
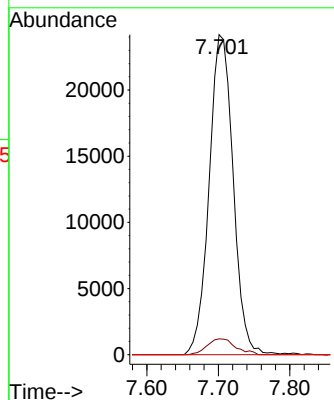
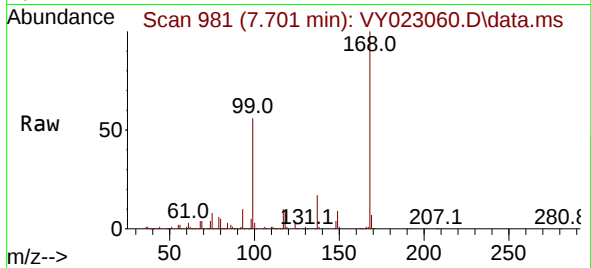




#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

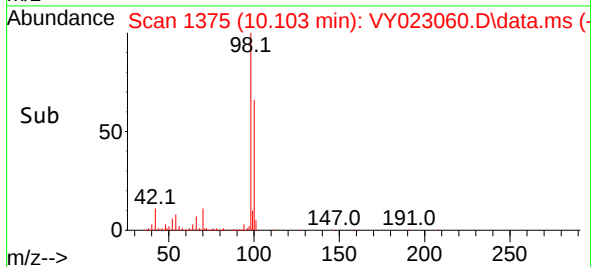
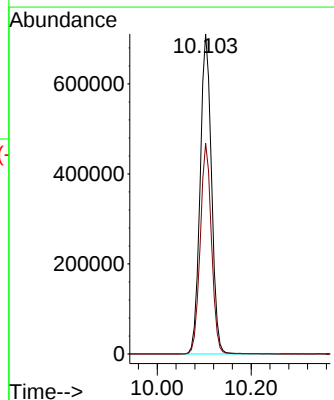
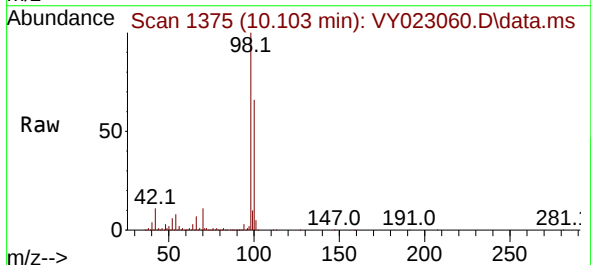
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

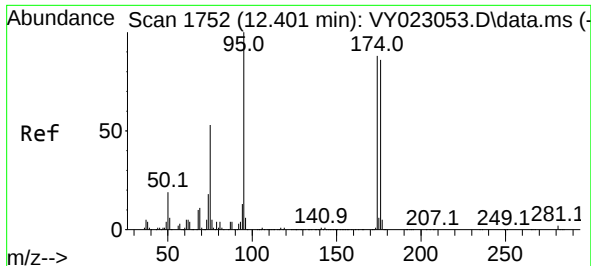
Tgt Ion:117 Resp: 56382
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 47.427 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

Tgt Ion: 98 Resp: 1193438
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

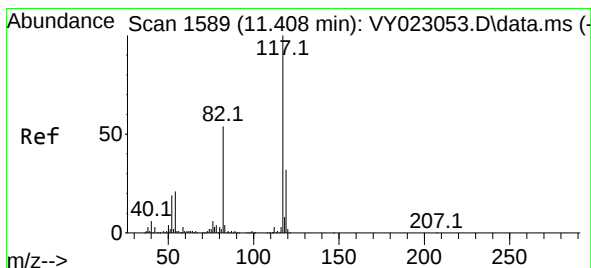
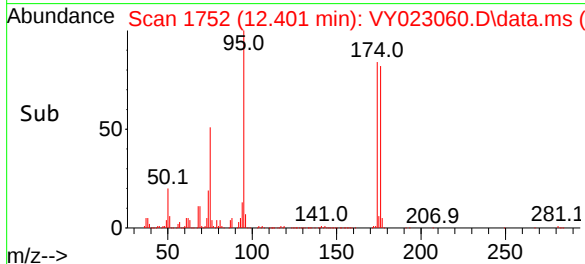
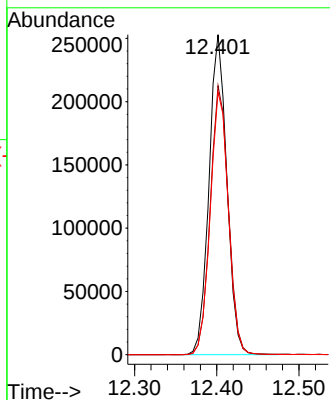
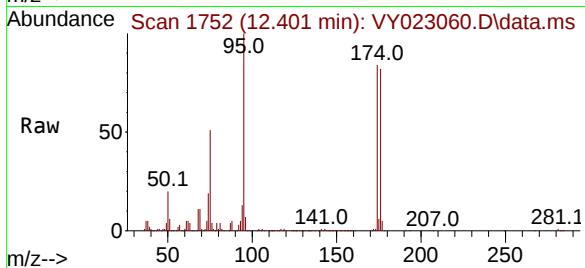




#62
4-Bromofluorobenzene
Concen: 47.220 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

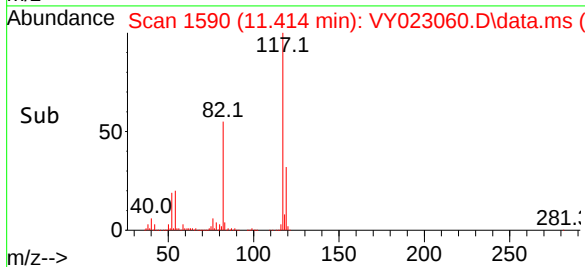
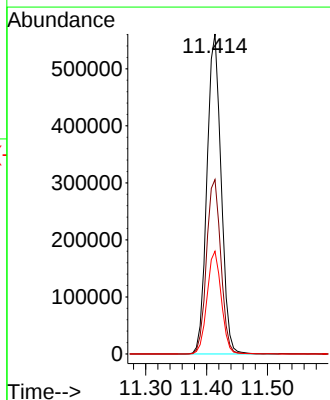
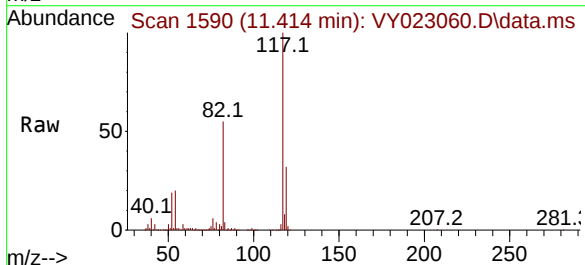
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

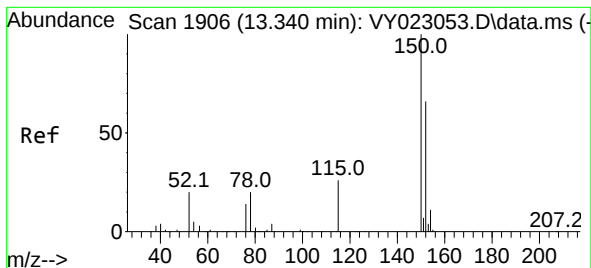
Tgt Ion: 95 Resp: 382126
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 83.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023060.D
Acq: 13 Aug 2025 10:39

Tgt Ion: 117 Resp: 906449
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023060.D

Acq: 13 Aug 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBL01

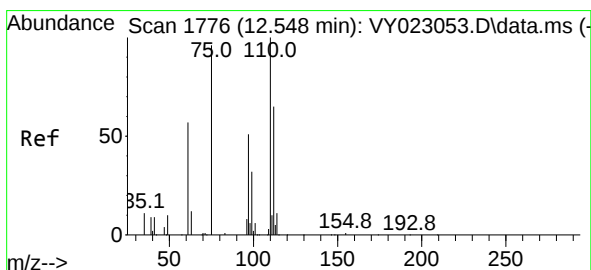
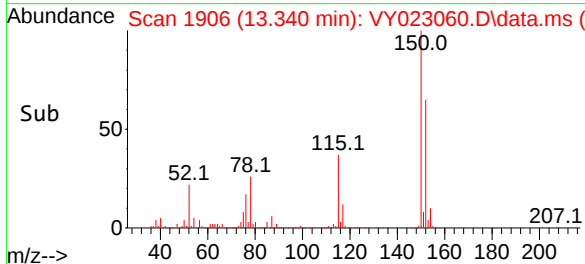
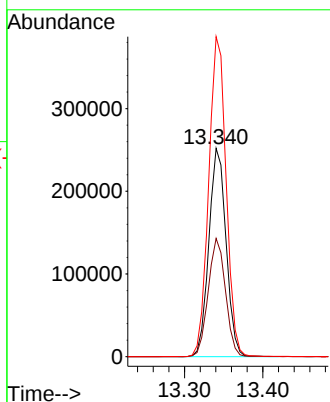
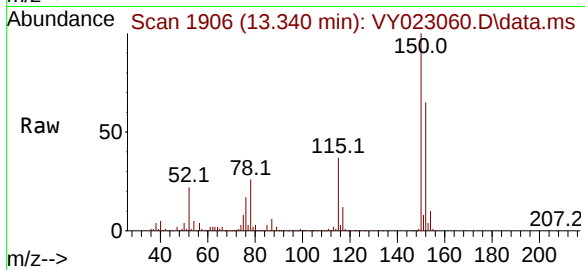
Tgt Ion:152 Resp: 384760

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 154.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 54.357 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023060.D

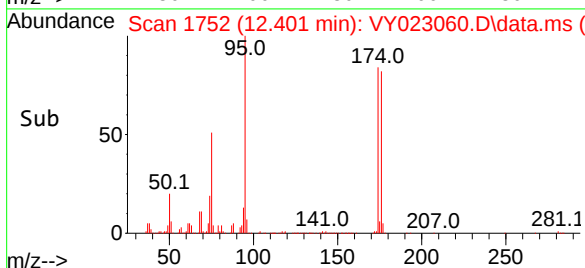
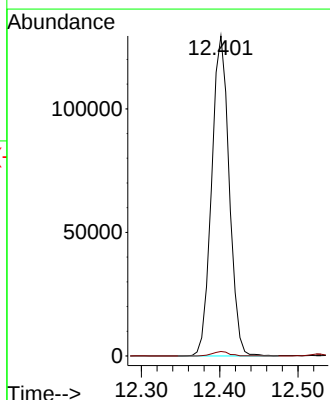
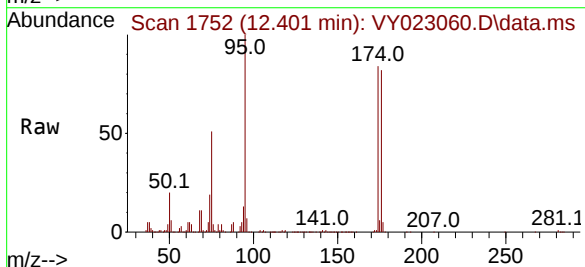
Acq: 13 Aug 2025 10:39

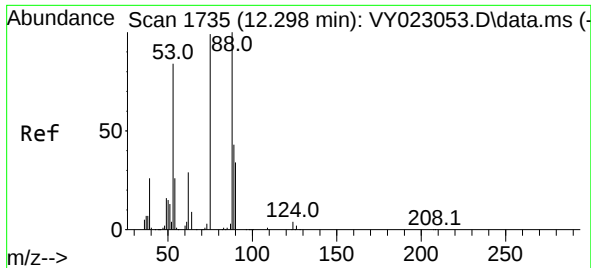
Tgt Ion: 75 Resp: 201845

Ion Ratio Lower Upper

75 100

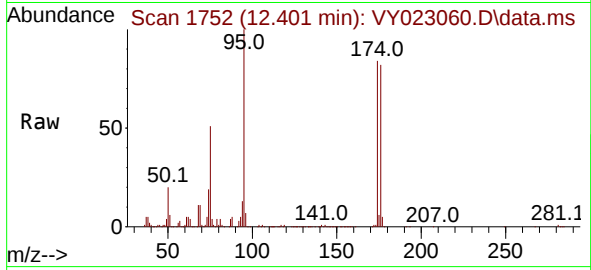
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.580 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023060.D
 Acq: 13 Aug 2025 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBL01



Tgt Ion: 75 Resp: 201845
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

