

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023180.D
 Acq On : 20 Aug 2025 16:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:41:12 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)

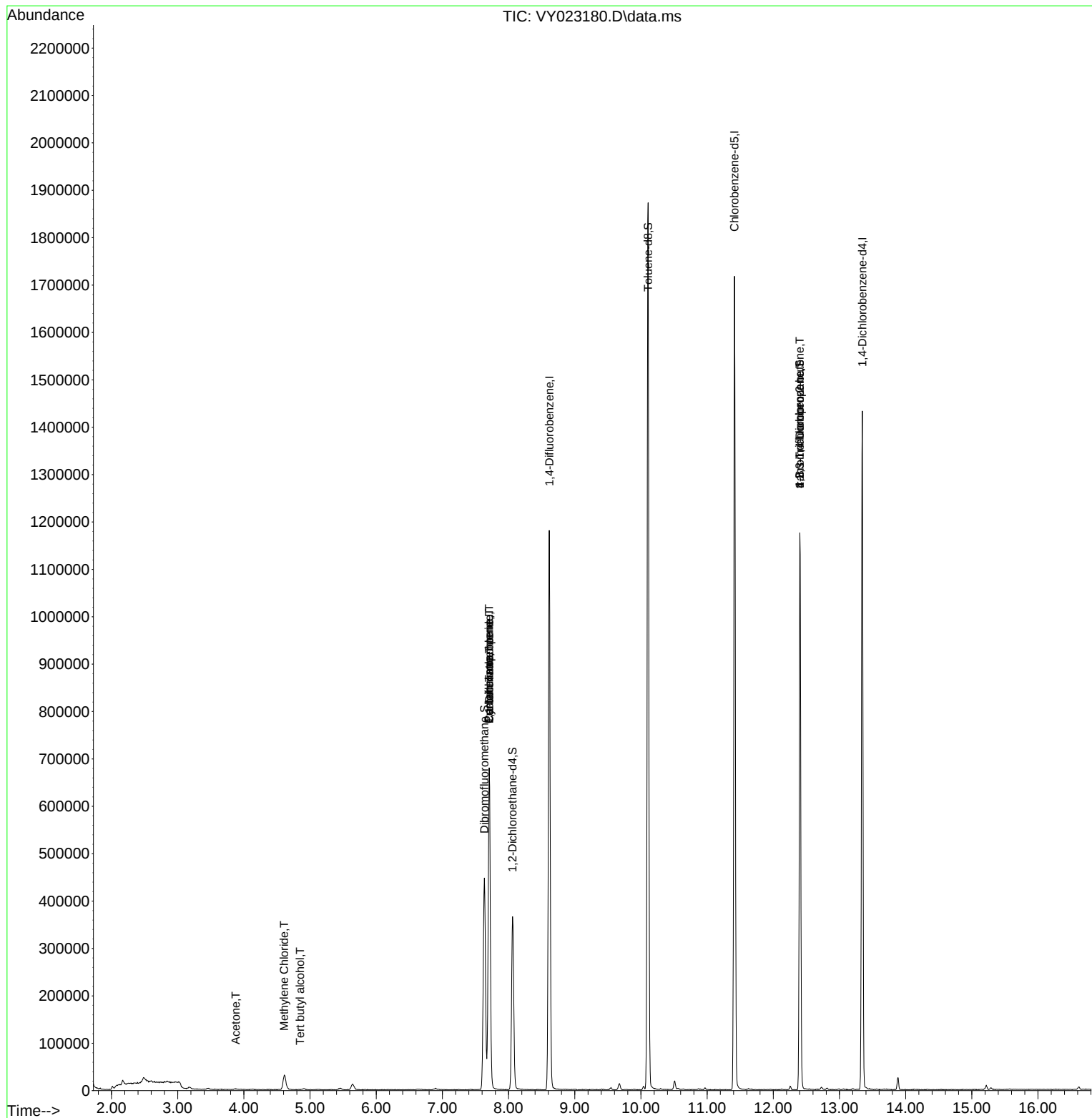
Internal Standards						
1) Pentafluorobenzene	7.707	168	516852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	995995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	900411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	360159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	289100	58.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.380%			
35) Dibromofluoromethane	7.634	113	319995	53.693	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.380%			
50) Toluene-d8	10.109	98	1214443	52.162	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.401	95	349794	46.717	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	443	1.313	ug/l #	71
16) Acetone	3.878	43	2514	2.356	ug/l #	84
20) Methylene Chloride	4.610	84	23830	1.670	ug/l	97
31) Cyclohexane	7.707	56	11007	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40653	4.590	ug/l #	50
38) Carbon Tetrachloride	7.707	117	50678	5.268	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	182054	52.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	182054	126.785	ug/l #	14

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

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ALS Vial : 20 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :

Quant Time: Aug 21 01:41:12 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

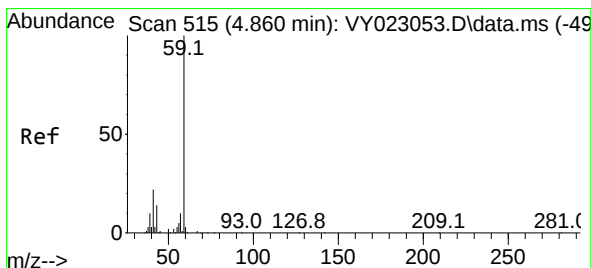
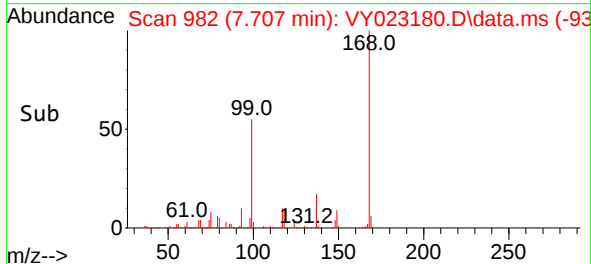
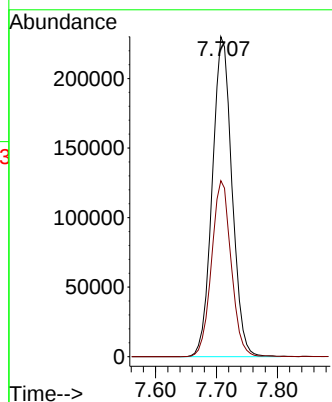
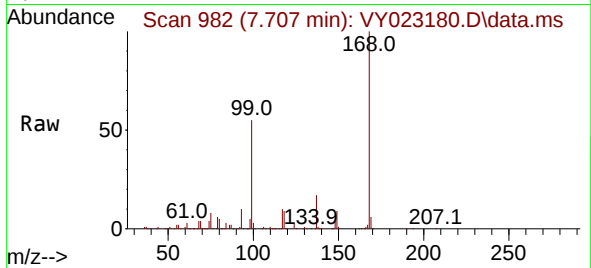




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

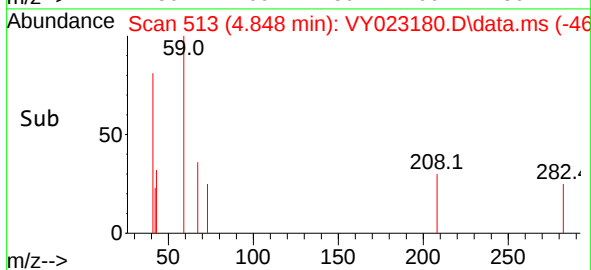
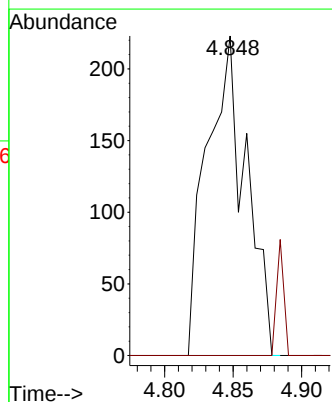
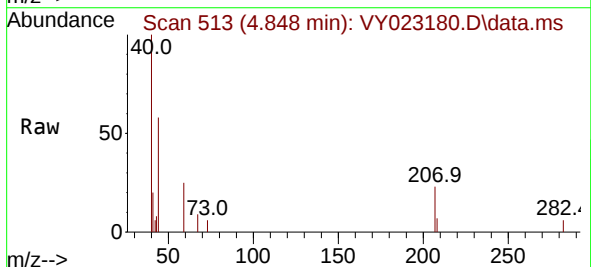
Instrument :
MSVOA_Y
ClientSampleId :

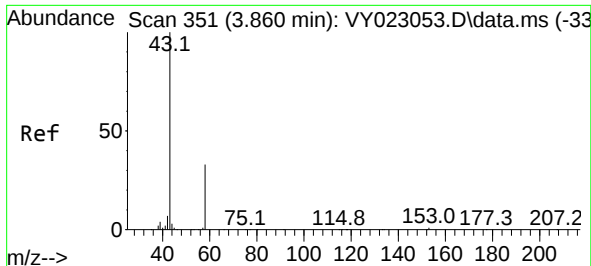
Tgt Ion:168 Resp: 516852
Ion Ratio Lower Upper
168 100
99 55.0 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.313 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

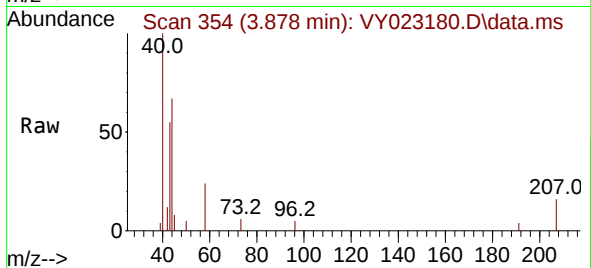
Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



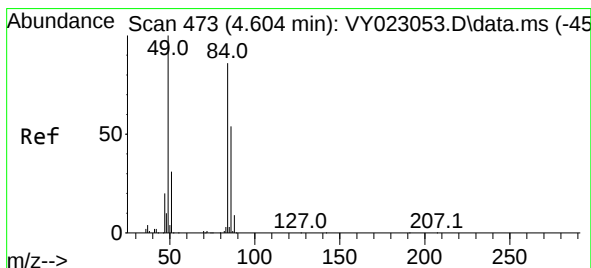
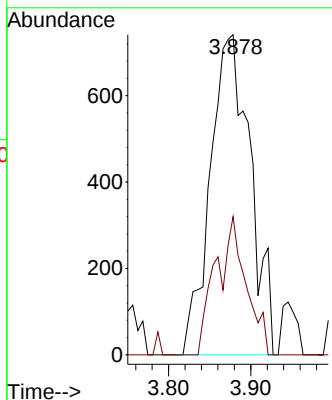
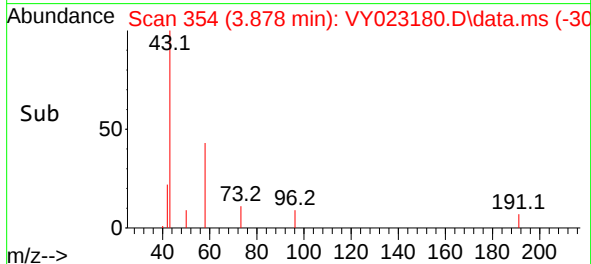


#16
Acetone
Concen: 2.356 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :

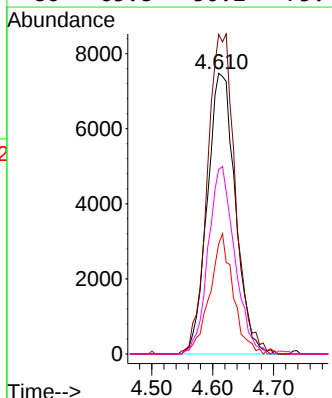
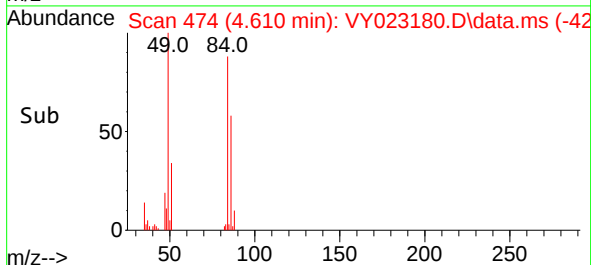
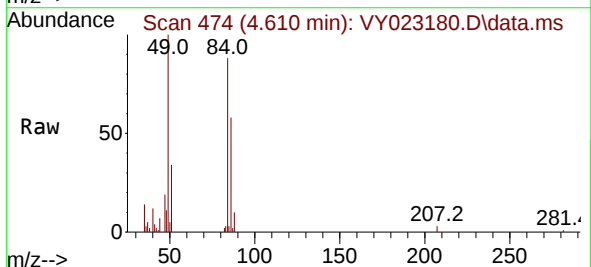


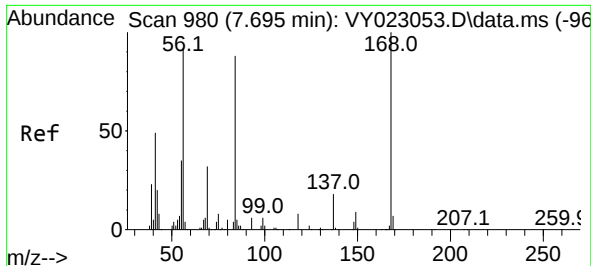
Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
58 43.2 27.1 40.7#



#20
Methylene Chloride
Concen: 1.670 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 84 Resp: 23830
Ion Ratio Lower Upper
84 100
49 113.8 93.0 139.6
51 39.2 29.0 43.4
86 65.8 50.2 75.4

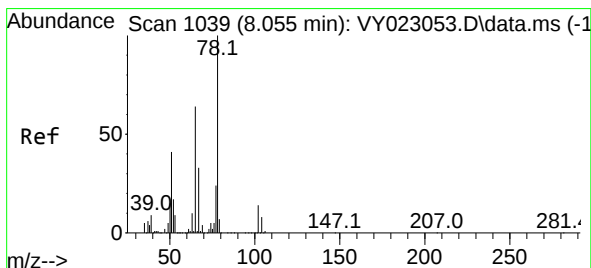
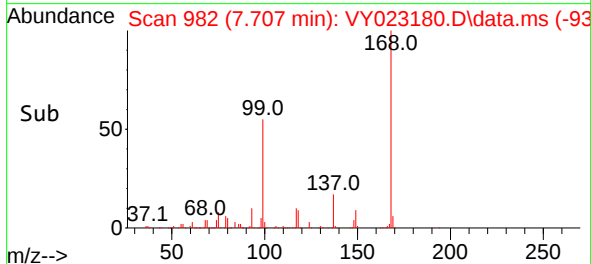
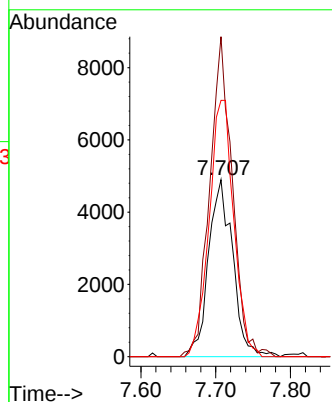
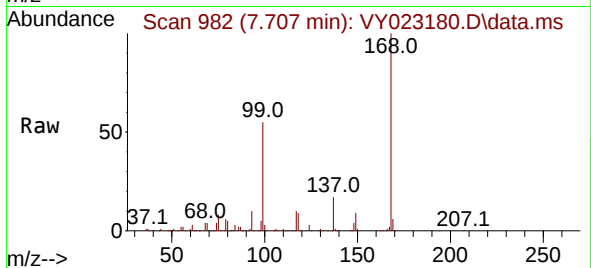




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

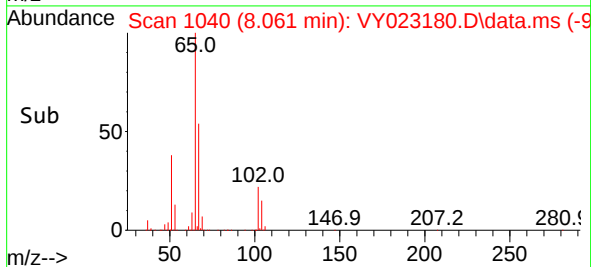
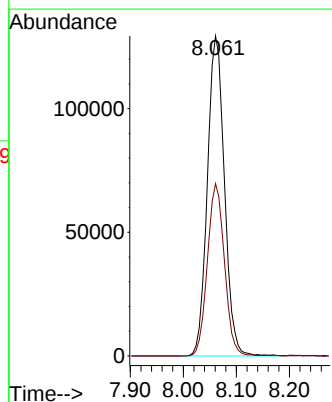
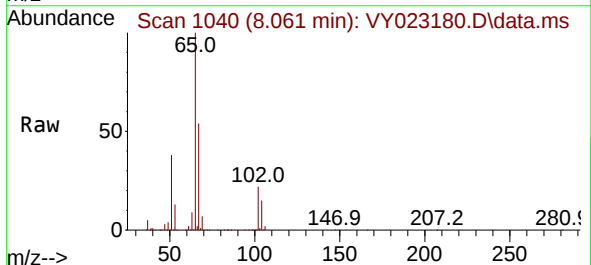
Instrument :
MSVOA_Y
ClientSampleId :

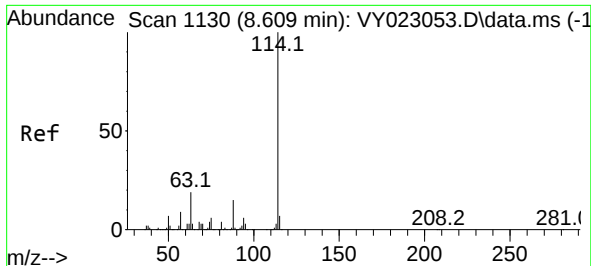
Tgt Ion: 56 Resp: 11007
Ion Ratio Lower Upper
56 100
69 180.9 28.2 42.2#
84 144.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.689 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 65 Resp: 289100
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8

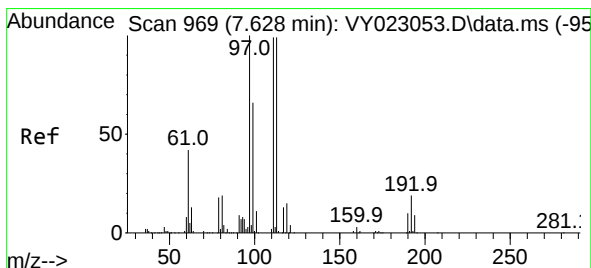
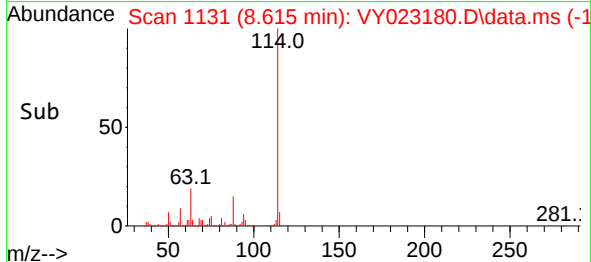
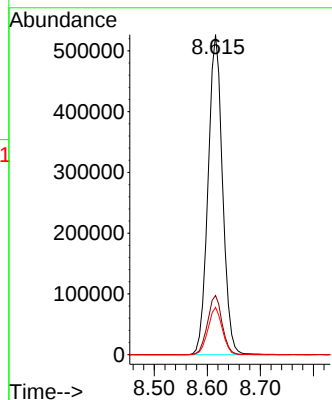
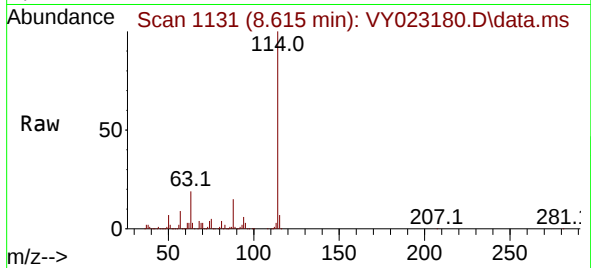




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

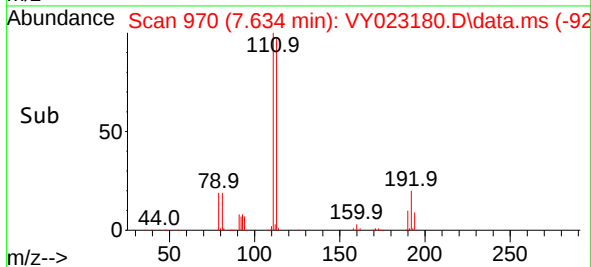
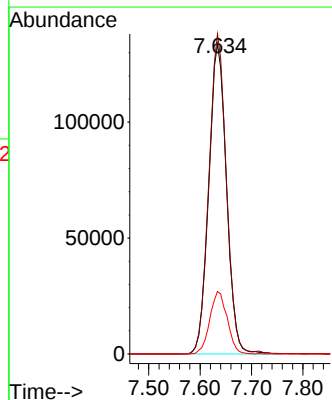
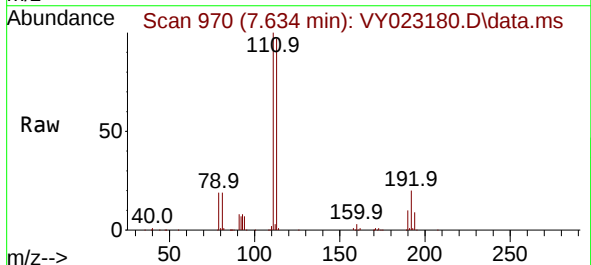
Instrument :
MSVOA_Y
ClientSampleId :

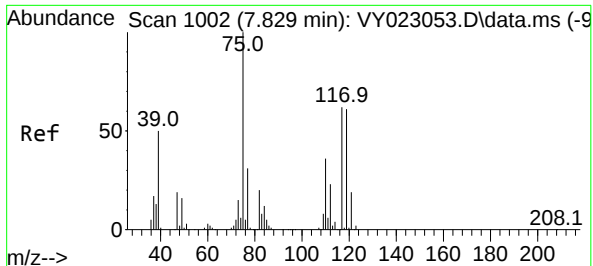
Tgt Ion:114 Resp: 995995
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.693 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion:113 Resp: 319995
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023180.D

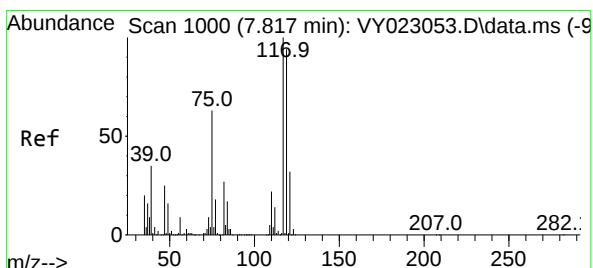
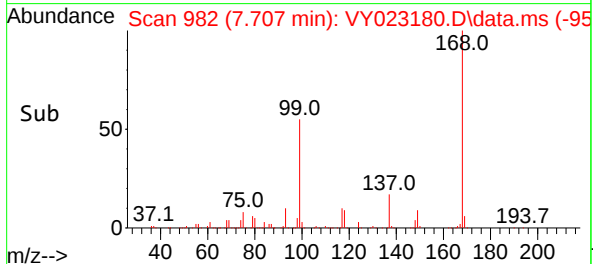
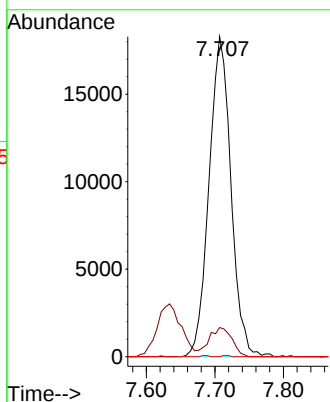
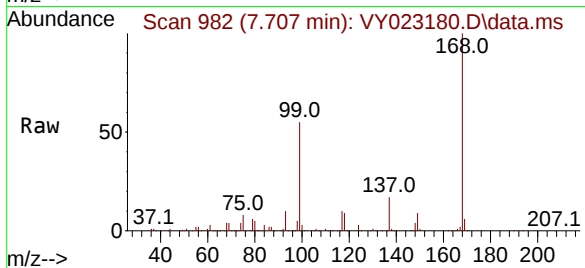
Acq: 20 Aug 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 40653
Ion Ratio	Lower Upper
75 100	
110 9.4	18.1 54.4#
77 0.1	24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.268 ug/l

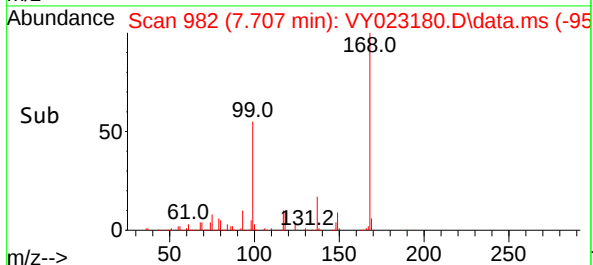
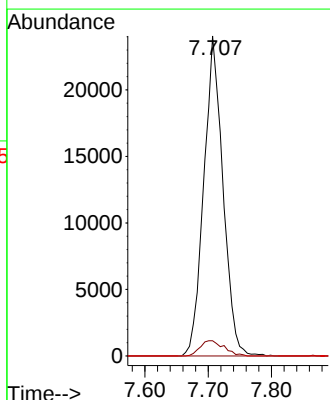
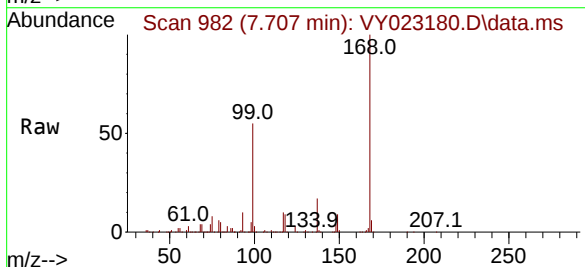
RT: 7.707 min Scan# 982

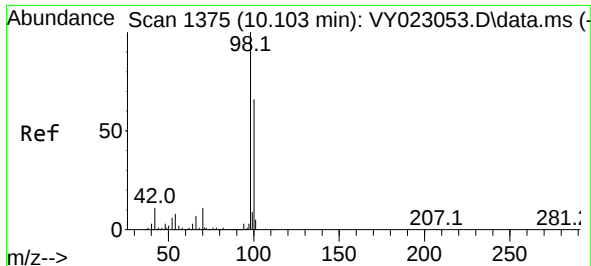
Delta R.T. -0.110 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

Tgt Ion: 117	Resp: 50678
Ion Ratio	Lower Upper
117 100	
119 4.7	75.6 113.4#
121 0.0	25.8 38.8#

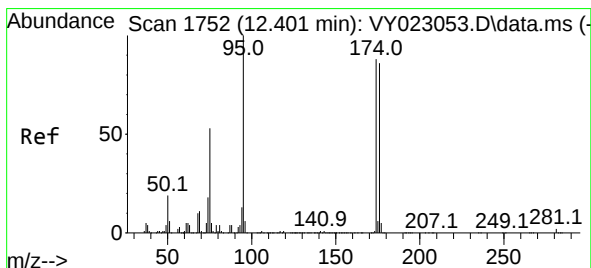
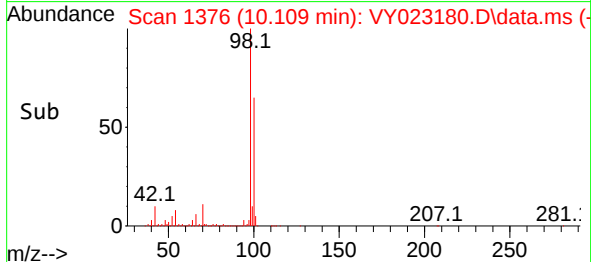
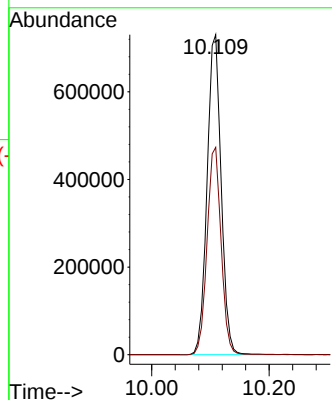
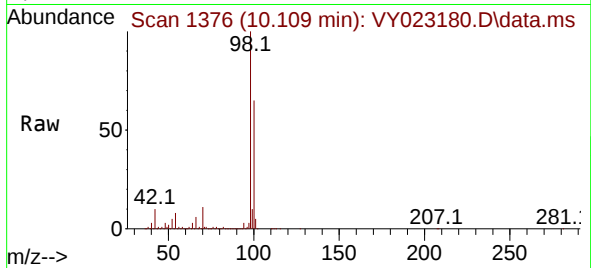




#50
Toluene-d8
Concen: 52.162 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

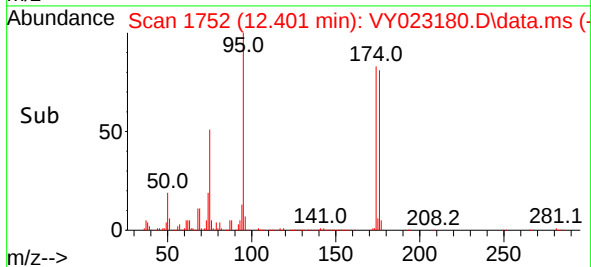
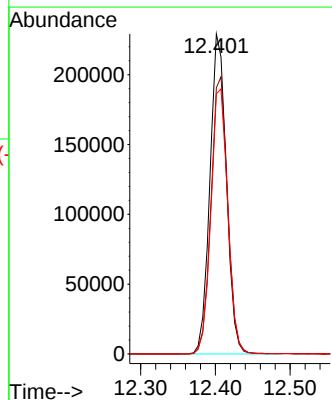
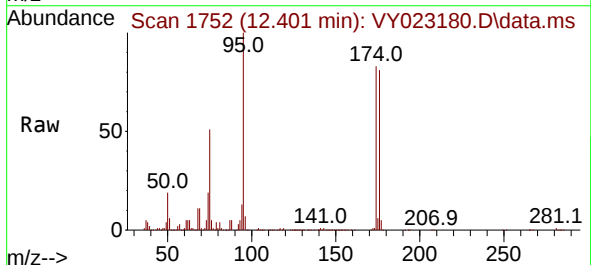
Instrument :
MSVOA_Y
ClientSampleId :

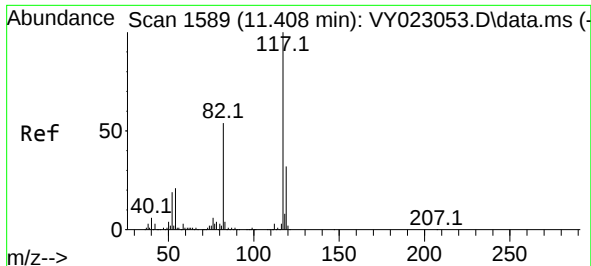
Tgt Ion: 98 Resp: 1214443
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.717 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

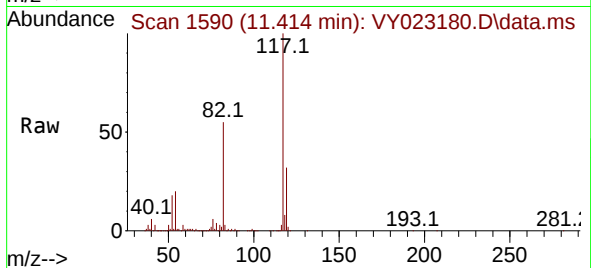
Tgt Ion: 95 Resp: 349794
Ion Ratio Lower Upper
95 100
174 88.3 0.0 171.6
176 85.0 0.0 167.6



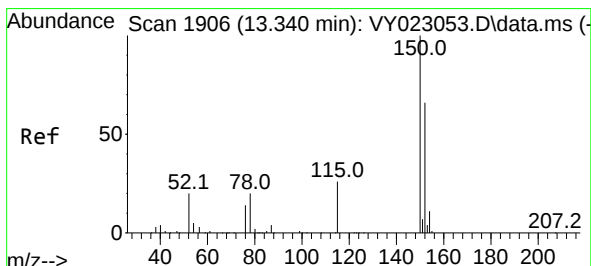
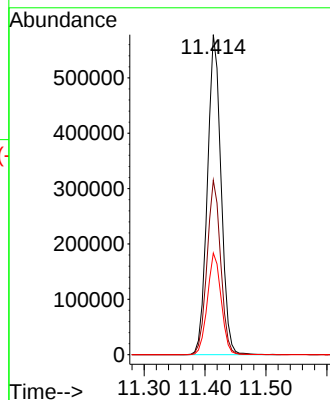
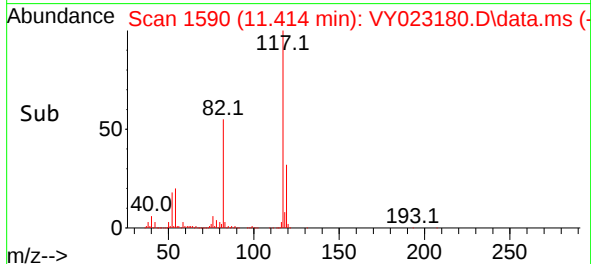


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

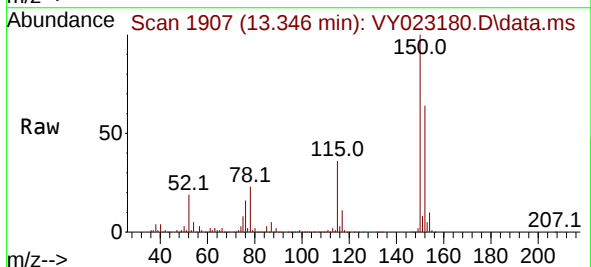
Instrument :
MSVOA_Y
ClientSampleId :



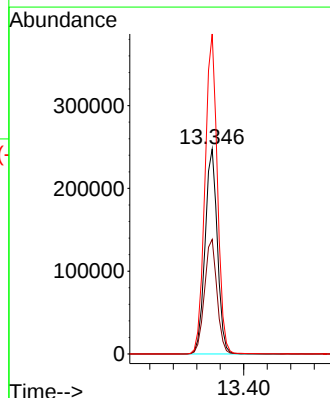
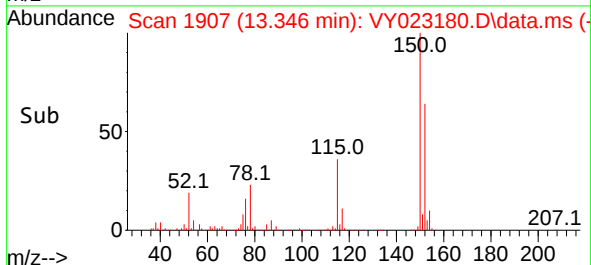
Tgt Ion:117 Resp: 900411
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 31.7 25.6 38.4

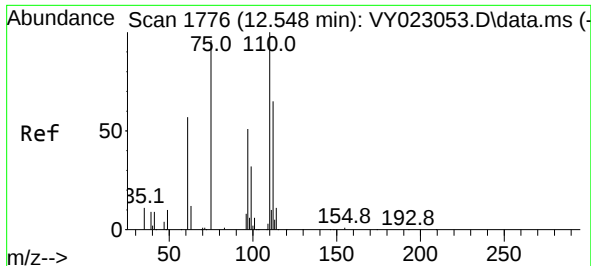


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55



Tgt Ion:152 Resp: 360159
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.6
150 157.5 0.0 348.0

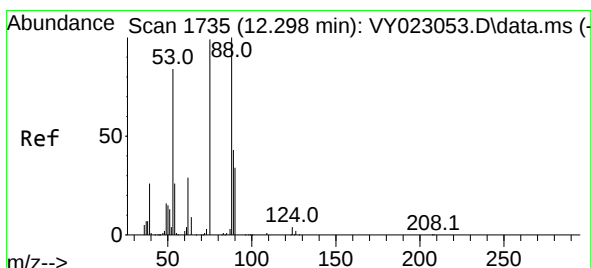
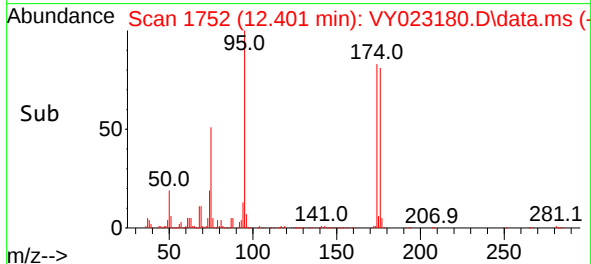
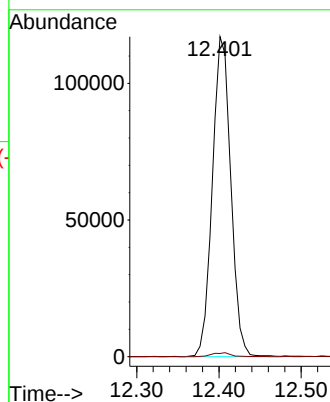
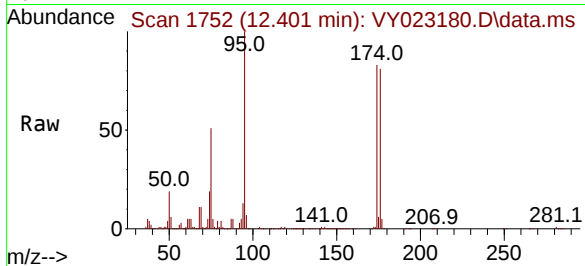




#76
1,2,3-Trichloropropane
Concen: 52.376 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 182054
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.785 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 75 Resp: 182054
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

