

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023178.D
 Acq On : 20 Aug 2025 16:08
 Operator : SY/MD
 Sample : Q2892-09
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:40:36 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)

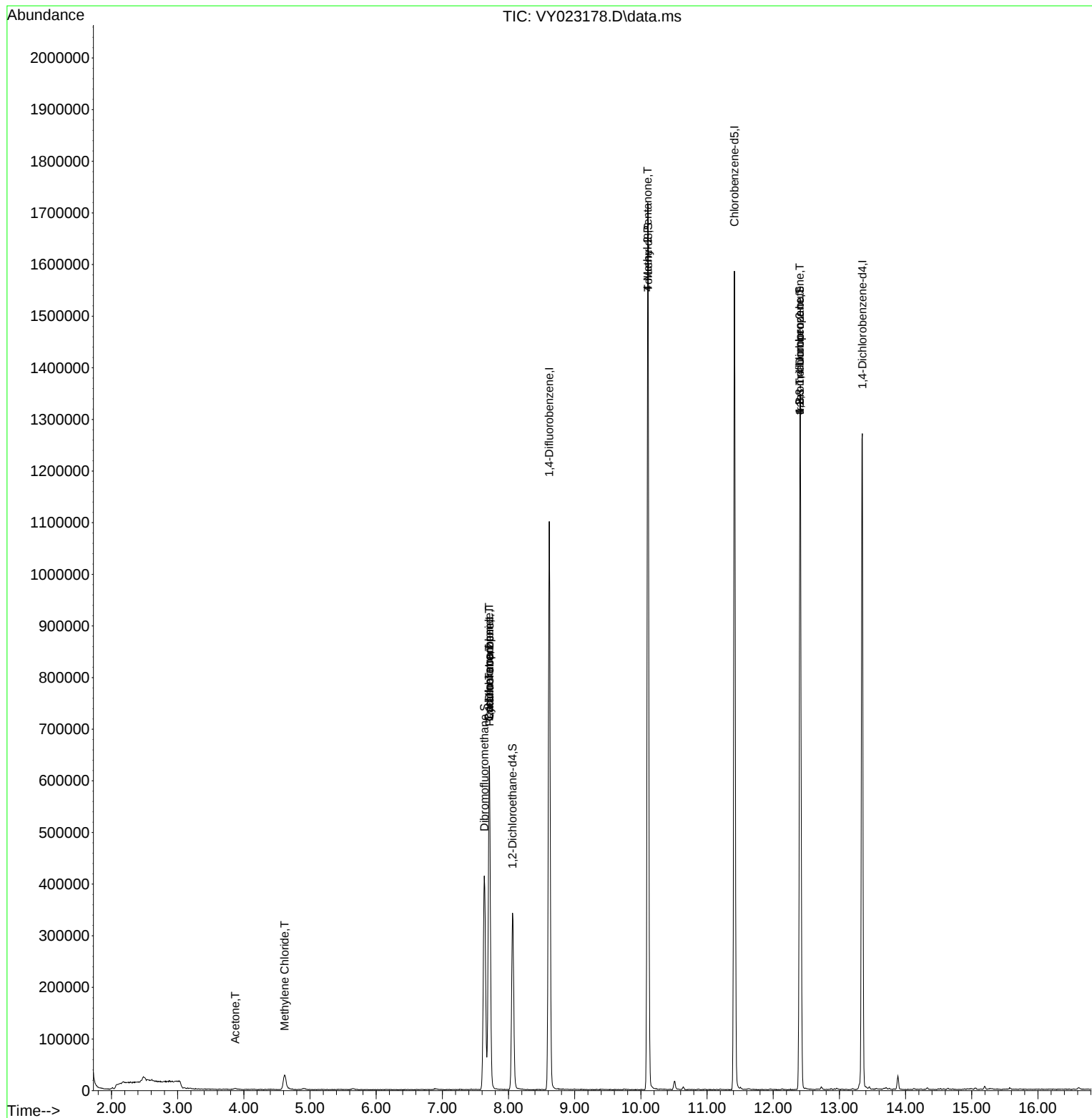
Internal Standards						
1) Pentafluorobenzene	7.713	168	494911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	934233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	840073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	270806	57.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.820%			
35) Dibromofluoromethane	7.634	113	299808	53.631	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.260%			
50) Toluene-d8	10.109	98	1132618	51.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.401	95	328042	46.708	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.420%			
Target Compounds					Qvalue	
16) Acetone	3.873	43	3200	3.131	ug/l	97
20) Methylene Chloride	4.616	84	21850	1.477	ug/l	98
31) Cyclohexane	7.707	56	10482	1.193	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	39302	4.731	ug/l #	49
38) Carbon Tetrachloride	7.707	117	48864	5.415	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4739	1.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	172993	53.473	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	172993	129.442	ug/l #	14

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

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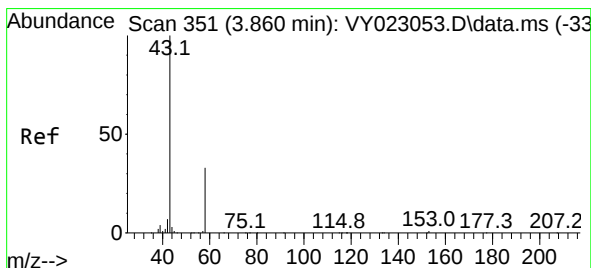
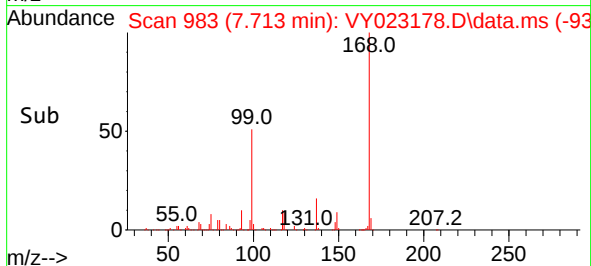
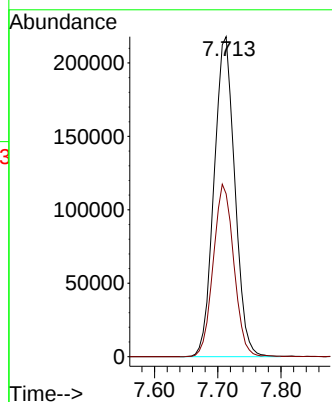
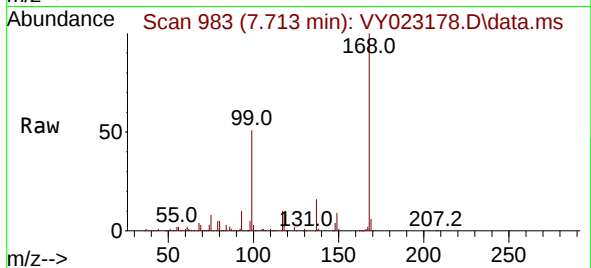




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

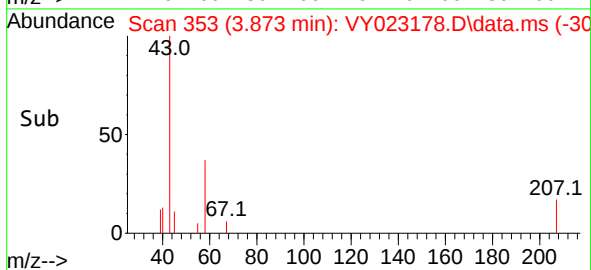
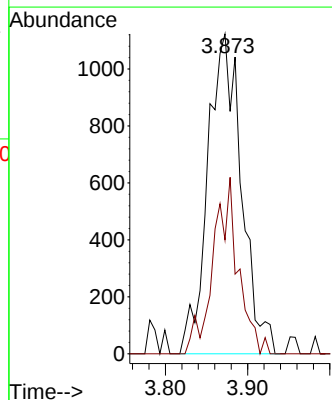
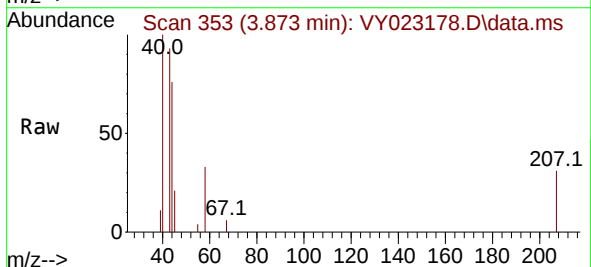
Instrument :
MSVOA_Y
ClientSampleId :

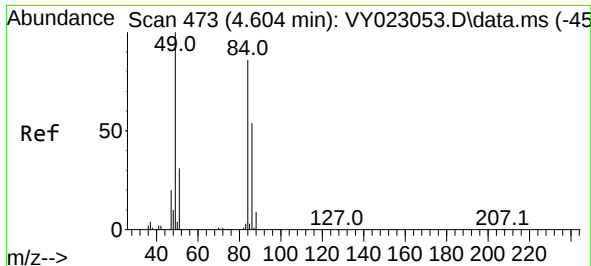
Tgt Ion:168 Resp: 494911
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#16
Acetone
Concen: 3.131 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

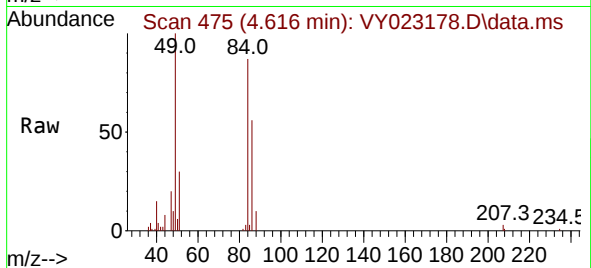
Tgt Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
58 35.6 27.1 40.7



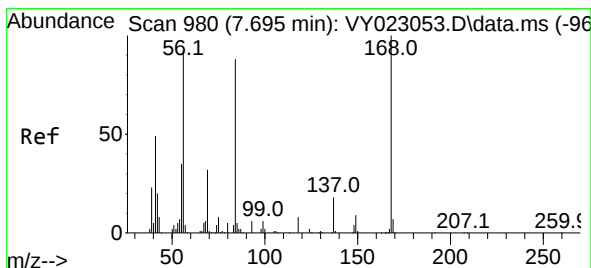
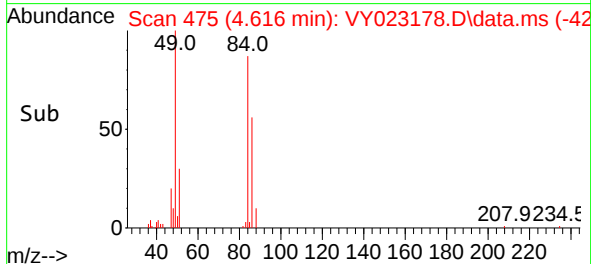
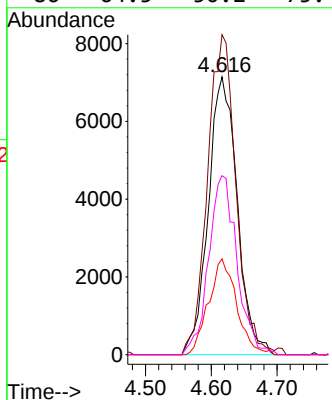


#20
Methylene Chloride
Concen: 1.477 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Instrument :
MSVOA_Y
ClientSampleId :

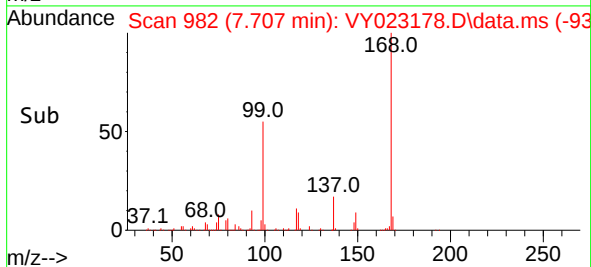
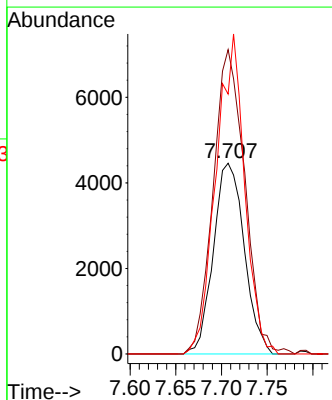
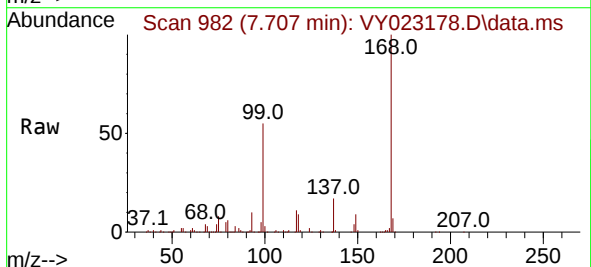


Tgt Ion:	84	Resp:	21850
Ion	Ratio	Lower	Upper
84	100		
49	115.2	93.0	139.6
51	34.5	29.0	43.4
86	64.5	50.2	75.4



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion:	56	Resp:	10482
Ion	Ratio	Lower	Upper
56	100		
69	159.6	28.2	42.2#
84	136.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.413 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023178.D

Acq: 20 Aug 2025 16:08

Instrument :

MSVOA_Y

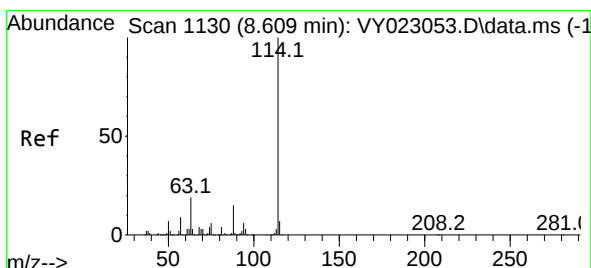
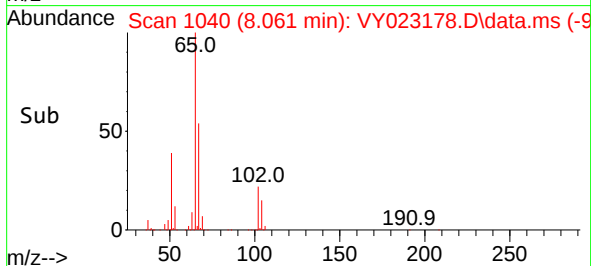
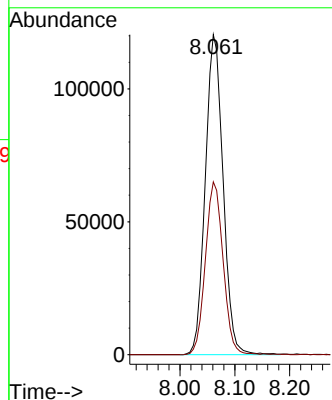
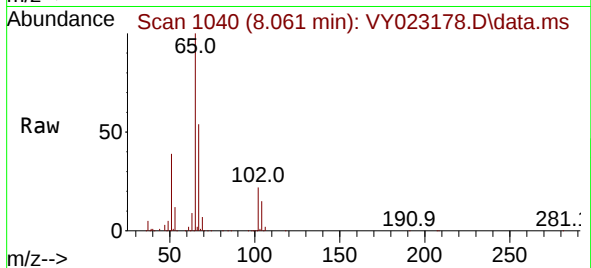
ClientSampleId :

Tgt Ion: 65 Resp: 270806

Ion Ratio Lower Upper

65 100

67 53.7 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: VY023178.D

Acq: 20 Aug 2025 16:08

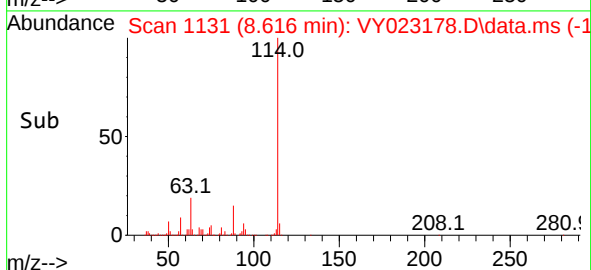
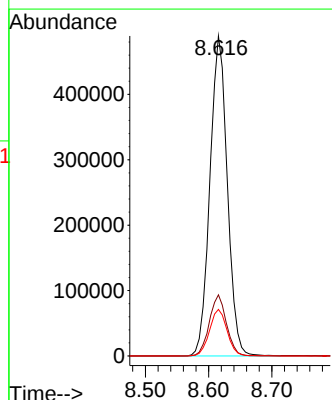
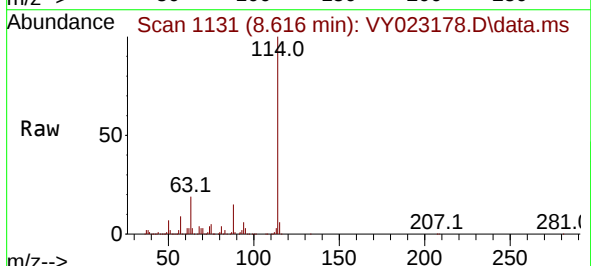
Tgt Ion: 114 Resp: 934233

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.6 0.0 30.0

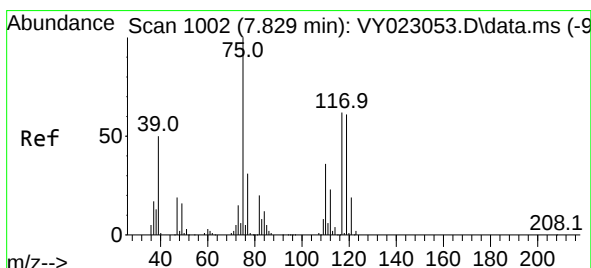
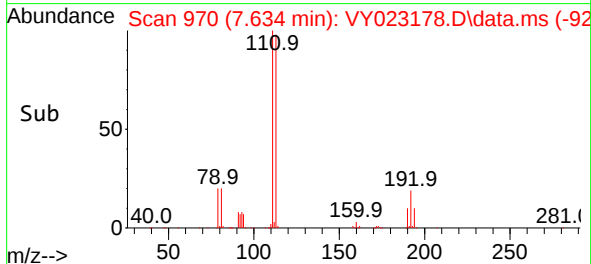
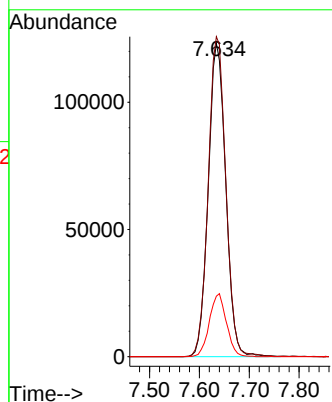
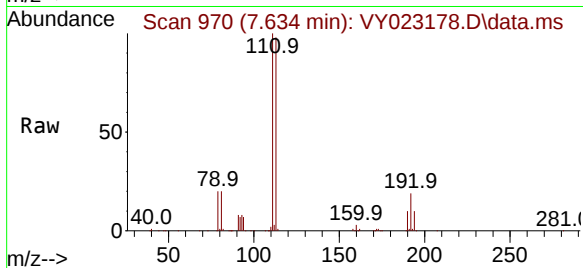




#35
Dibromofluoromethane
Concen: 53.631 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

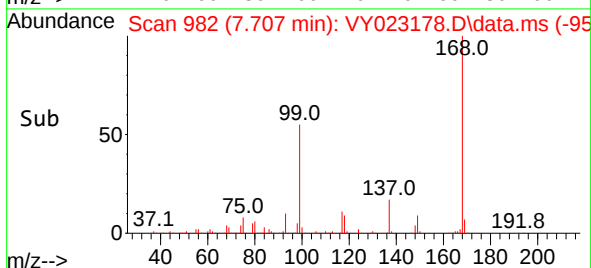
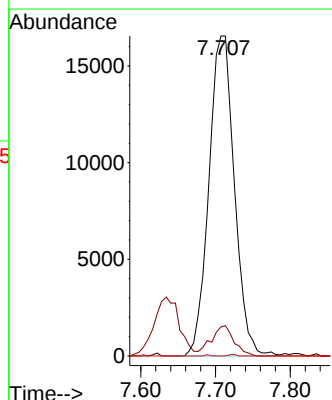
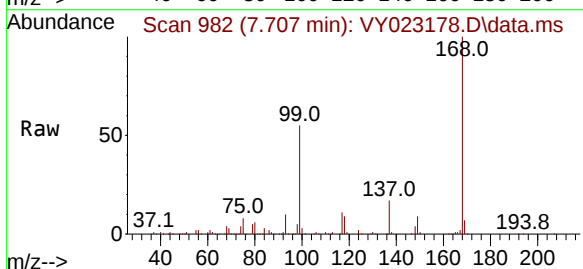
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 299808
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

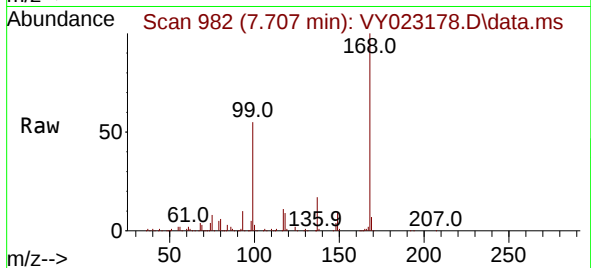
Tgt Ion: 75 Resp: 39302
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.1 24.6 37.0#



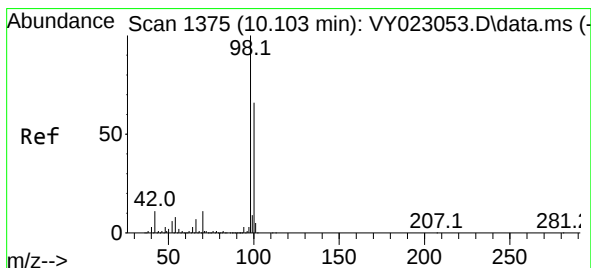
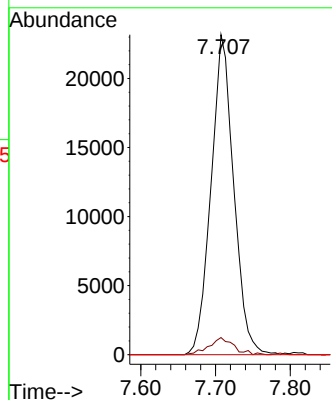
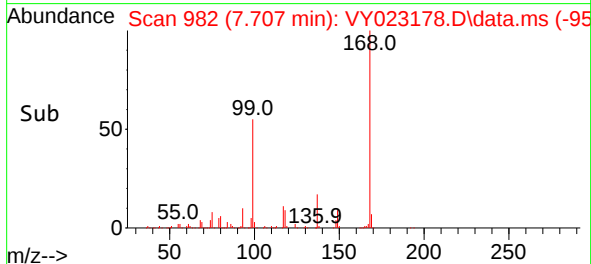


#38
Carbon Tetrachloride
Concen: 5.415 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Instrument :
MSVOA_Y
ClientSampleId :

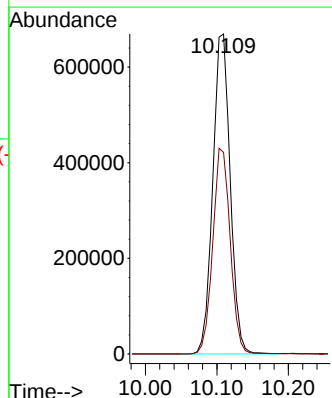
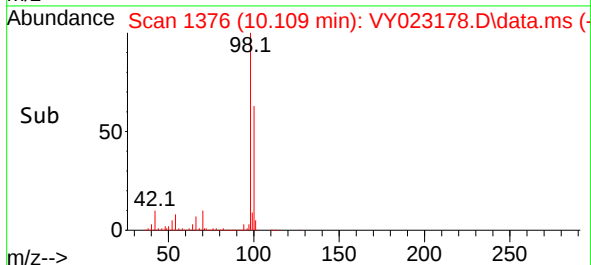
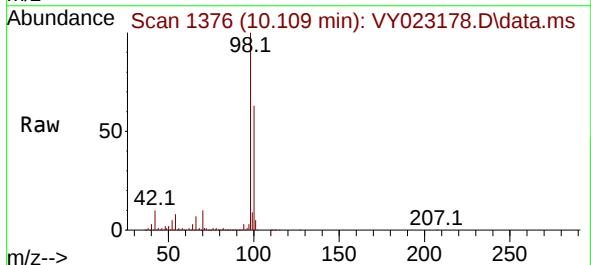


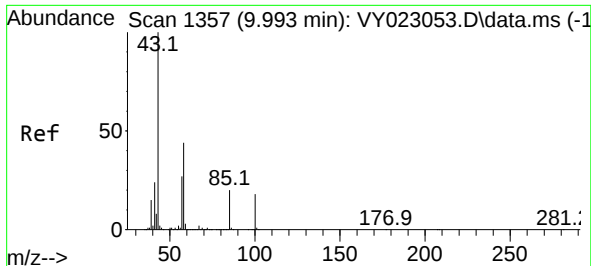
Tgt Ion:117 Resp: 48864
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.864 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion: 98 Resp: 1132618
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

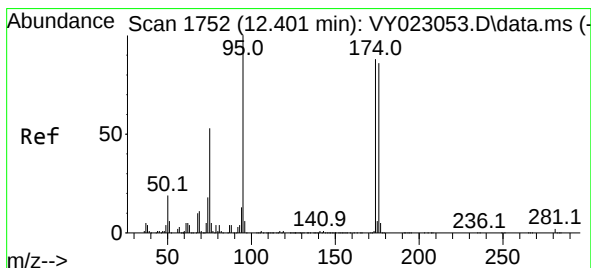
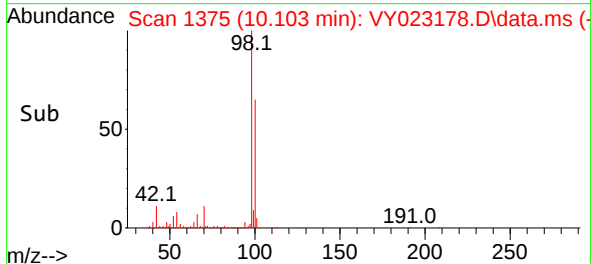
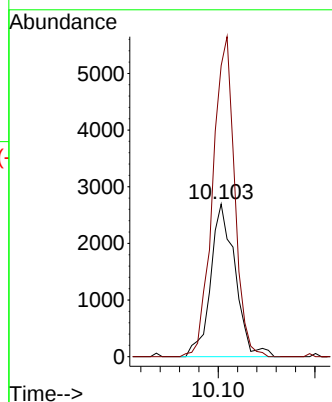
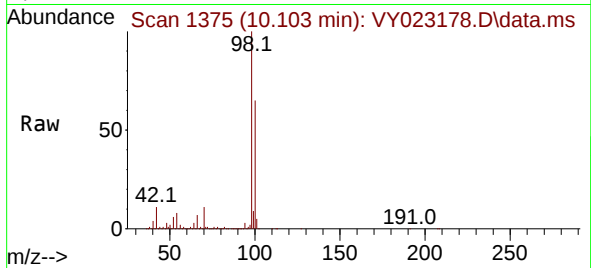




#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

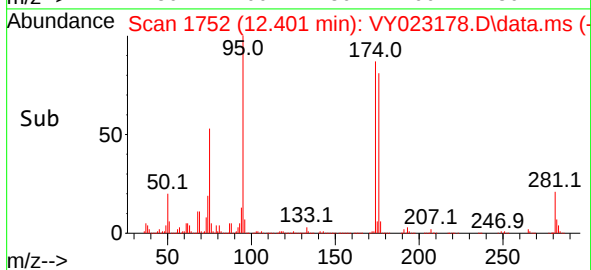
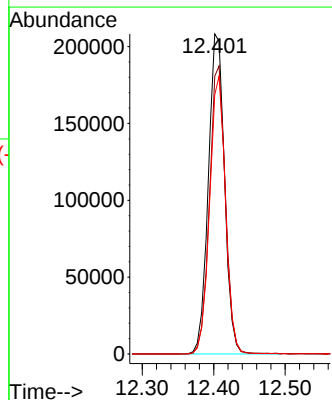
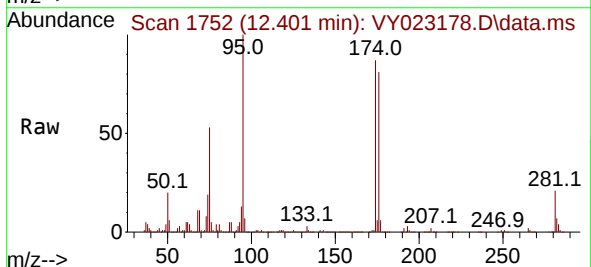
Instrument :
MSVOA_Y
ClientSampleId :

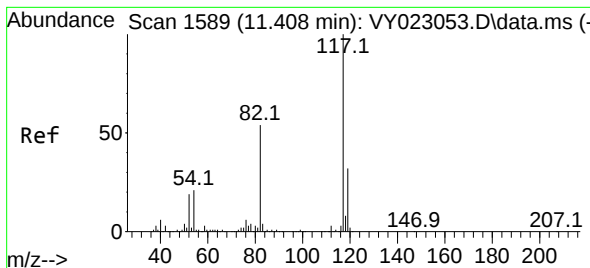
Tgt Ion: 43 Resp: 4739
Ion Ratio Lower Upper
43 100
58 187.5 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 46.708 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion: 95 Resp: 328042
Ion Ratio Lower Upper
95 100
174 88.5 0.0 171.6
176 84.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

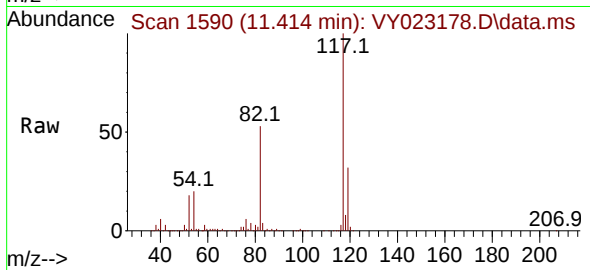
Lab File: VY023178.D

Acq: 20 Aug 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :



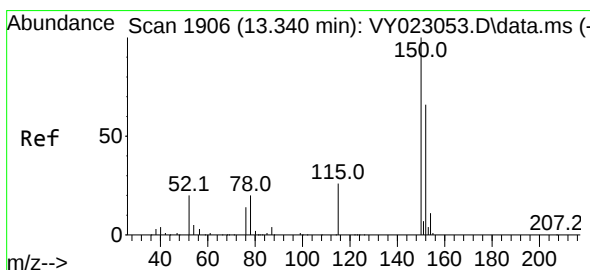
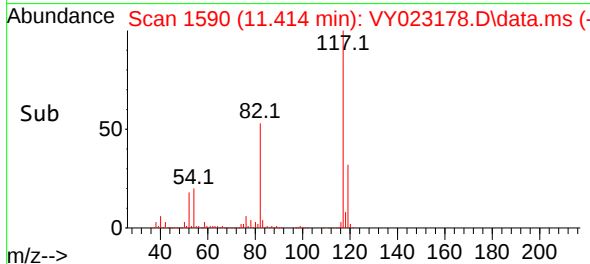
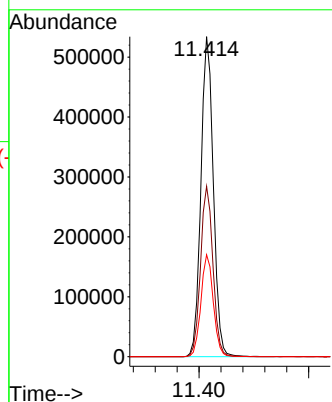
Tgt Ion:117 Resp: 840073

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.8 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: VY023178.D

Acq: 20 Aug 2025 16:08

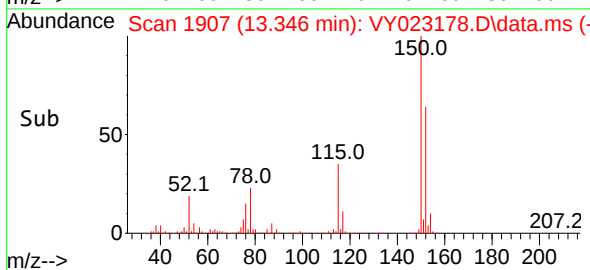
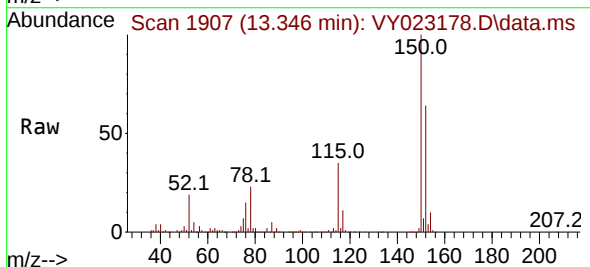
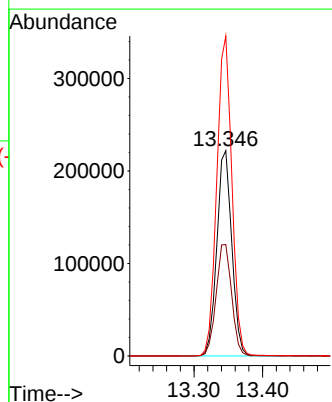
Tgt Ion:152 Resp: 335210

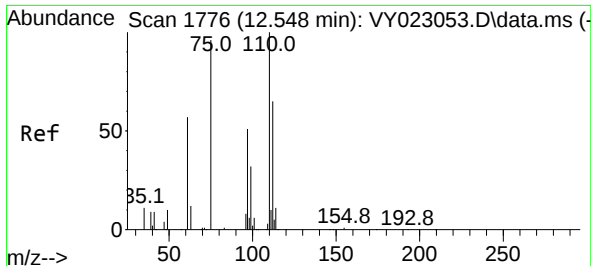
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.6 0.0 348.0

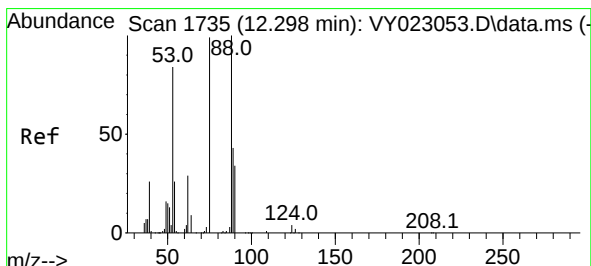
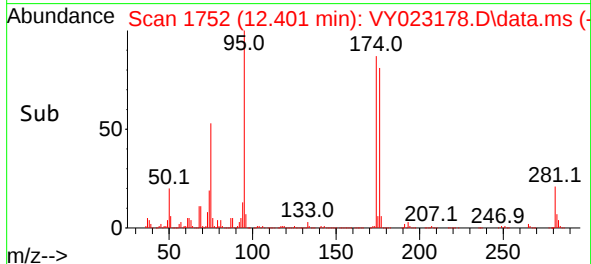
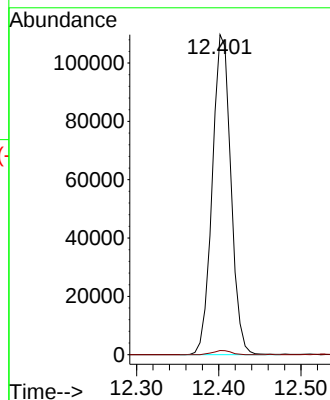
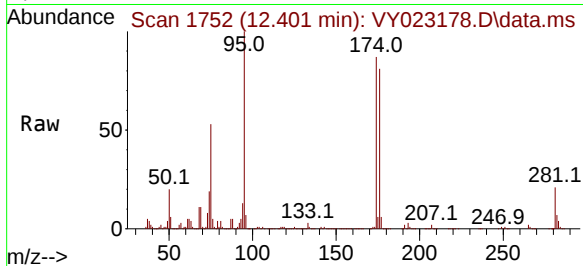




#76
1,2,3-Trichloropropane
Concen: 53.473 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 172993
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.442 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion: 75 Resp: 172993
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 1.0 38.1 57.1#

