

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023179.D
 Acq On : 20 Aug 2025 16:32
 Operator : SY/MD
 Sample : Q2892-11
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:40:55 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)

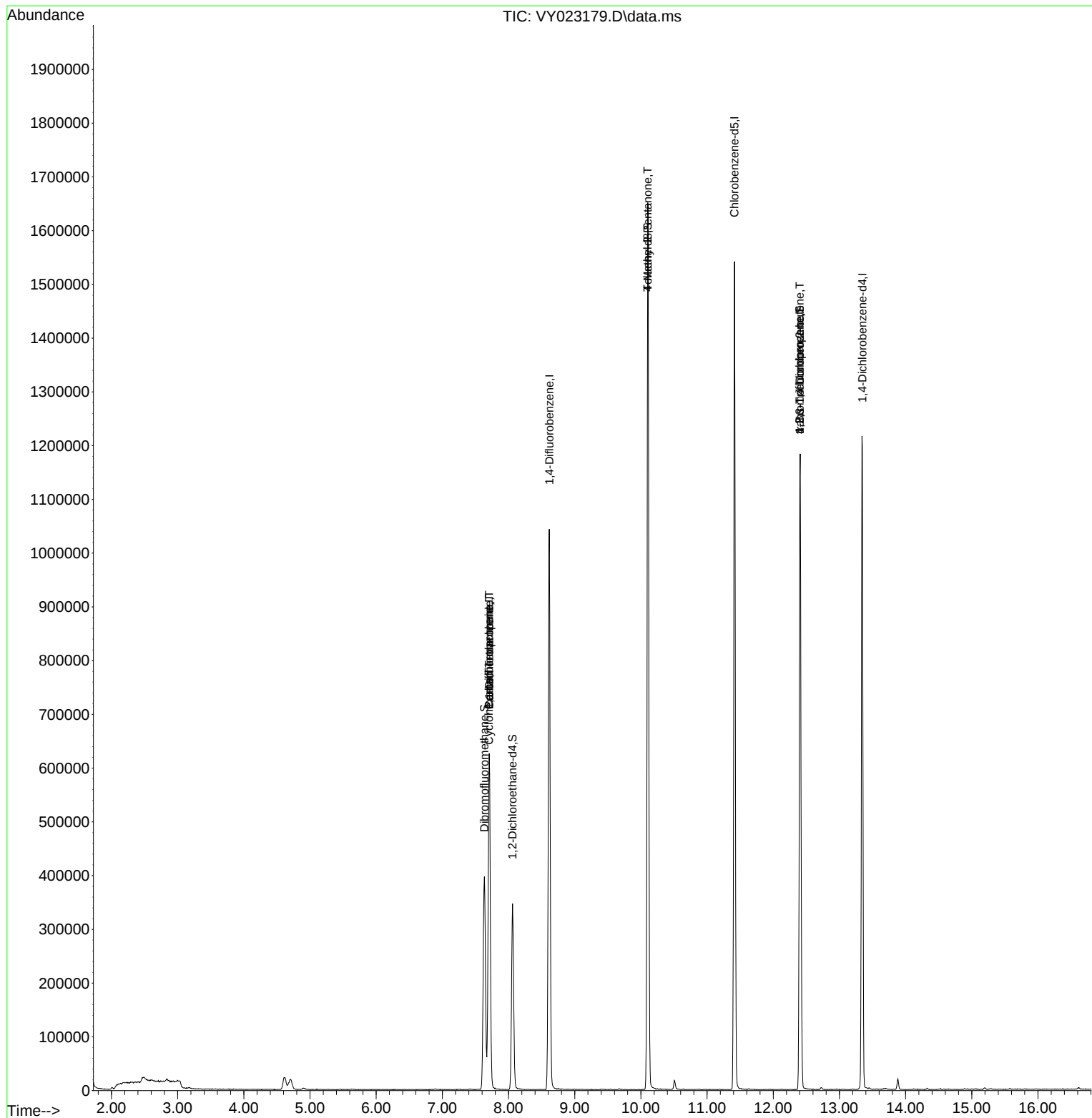
Internal Standards						
1) Pentafluorobenzene	7.707	168	486603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	905782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	805970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	312976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	263323	56.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.560%	
35) Dibromofluoromethane	7.634	113	286482	52.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.720%	
50) Toluene-d8	10.103	98	1093222	51.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	12.402	95	312300	45.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.720%	
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	10229	1.184	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	37237	4.623	ug/l #	50
38) Carbon Tetrachloride	7.707	117	48219	5.512	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4153	1.177	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	165237	54.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	165237	132.422	ug/l #	14

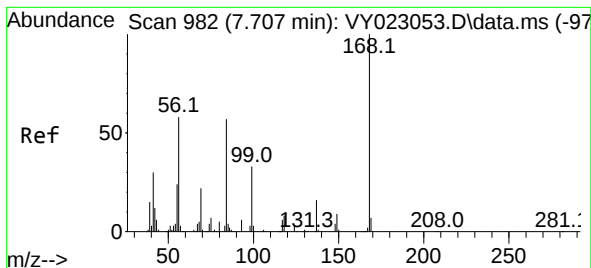
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 982

Delta R.T. 0.000 min

Lab File: VY023179.D

Acq: 20 Aug 2025 16:32

Instrument :

MSVOA_Y

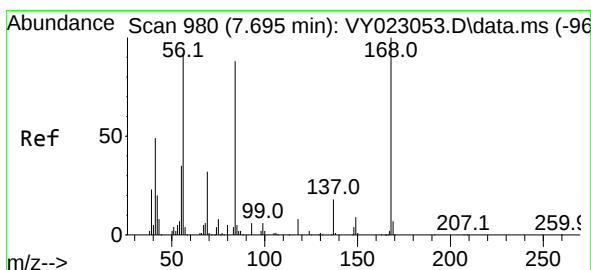
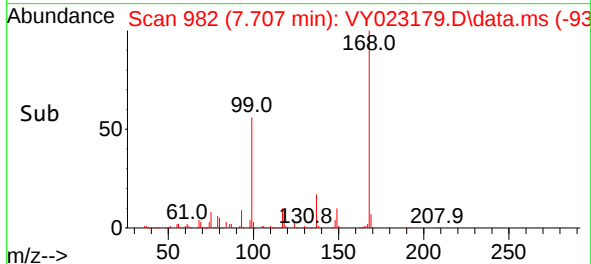
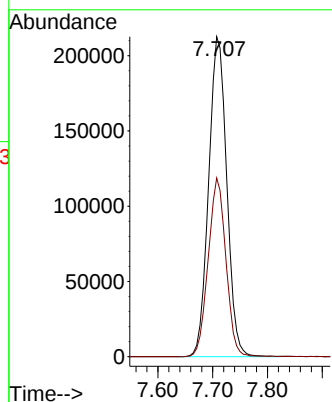
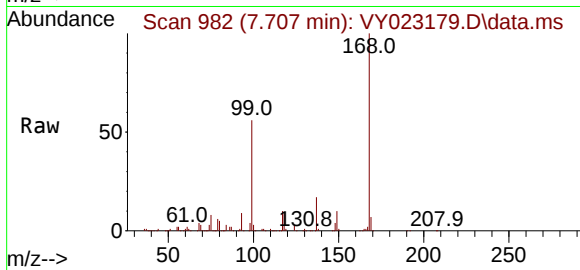
ClientSampleId :

Tgt Ion:168 Resp: 486603

Ion Ratio Lower Upper

168 100

99 55.9 42.8 64.2



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023179.D

Acq: 20 Aug 2025 16:32

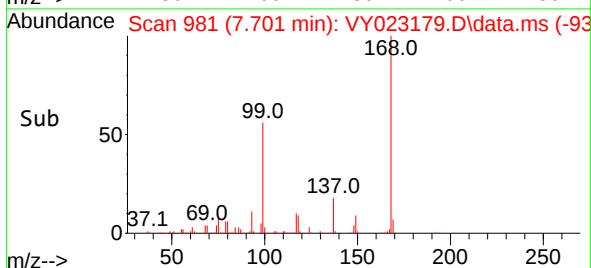
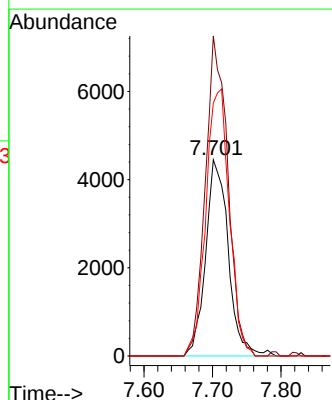
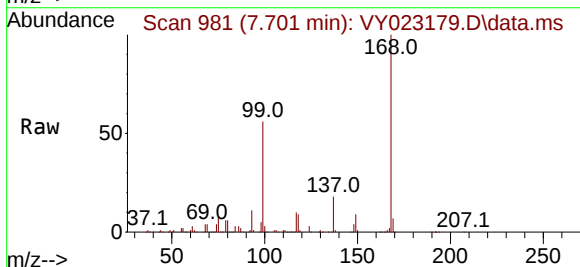
Tgt Ion: 56 Resp: 10229

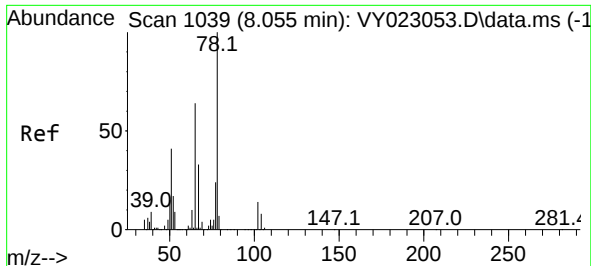
Ion Ratio Lower Upper

56 100

69 163.2 28.2 42.2#

84 128.9 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.779 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023179.D

Acq: 20 Aug 2025 16:32

Instrument :

MSVOA_Y

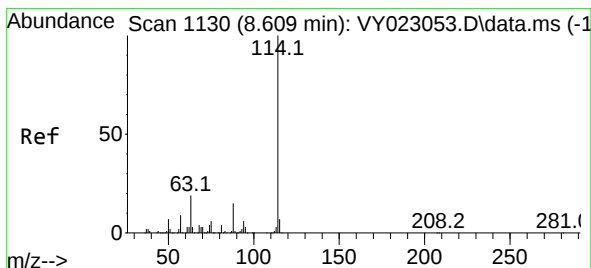
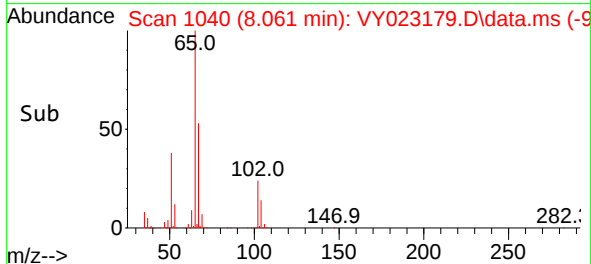
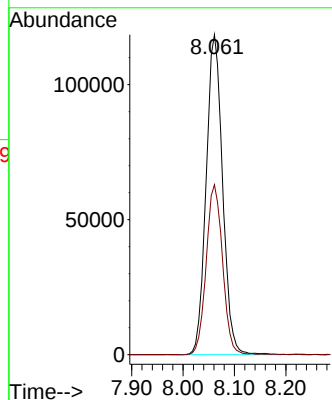
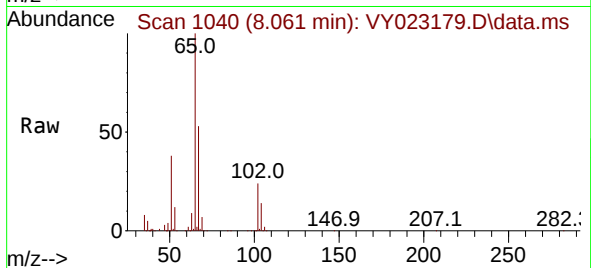
ClientSampleId :

Tgt Ion: 65 Resp: 263323

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023179.D

Acq: 20 Aug 2025 16:32

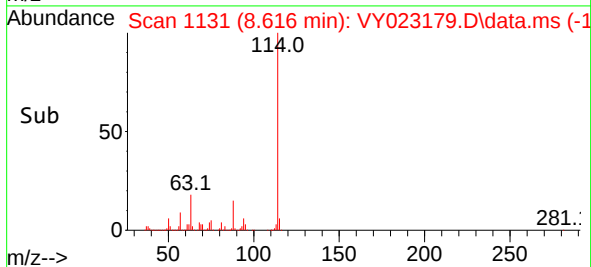
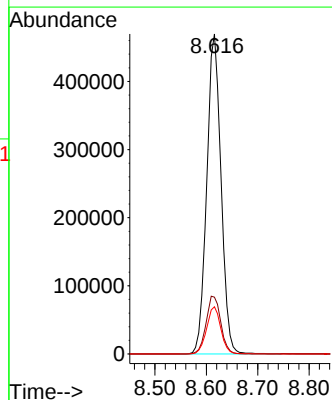
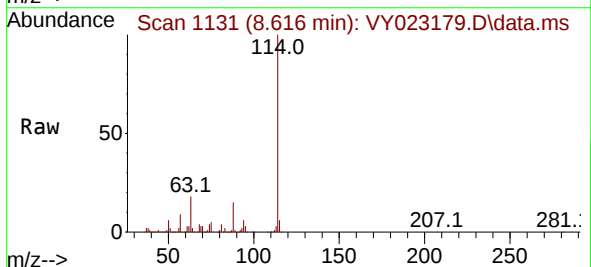
Tgt Ion: 114 Resp: 905782

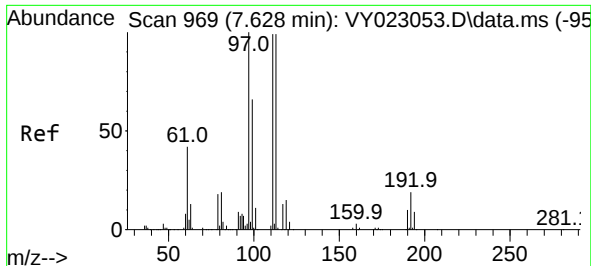
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

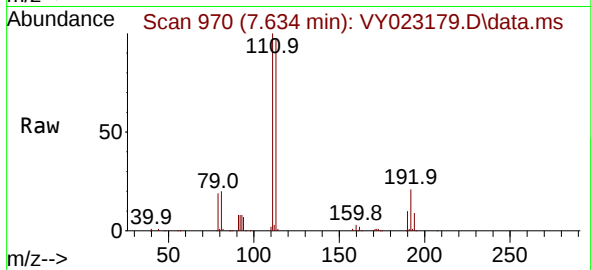
88 14.8 0.0 30.0



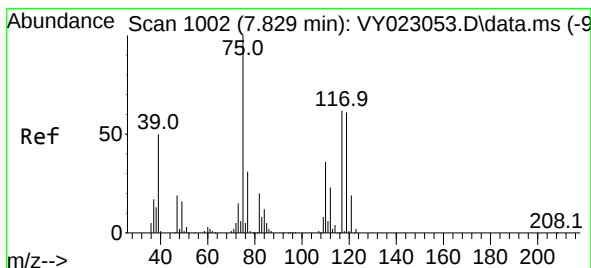
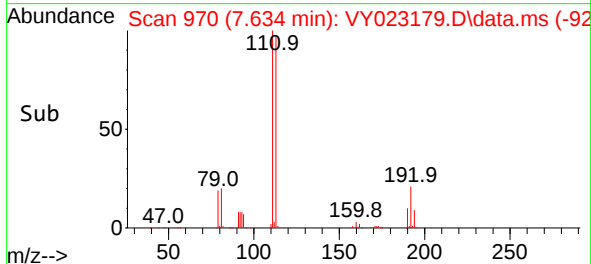
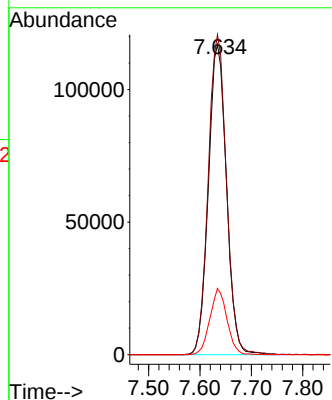


#35
Dibromofluoromethane
Concen: 52.857 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :

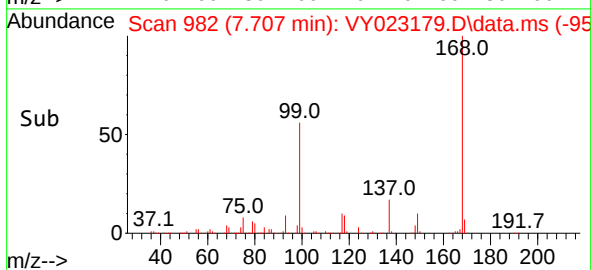
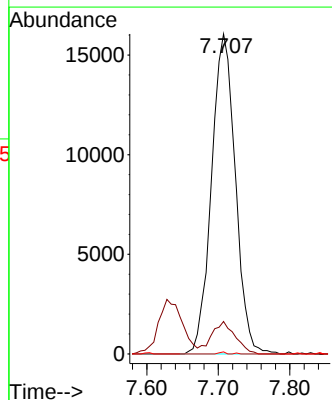
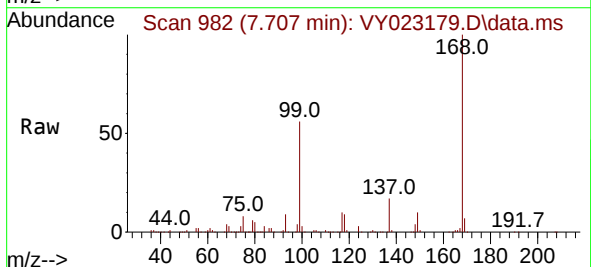


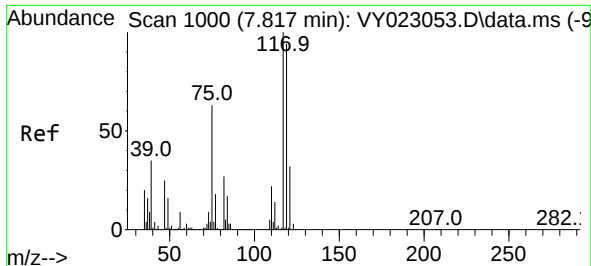
Tgt Ion:113 Resp: 286482
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

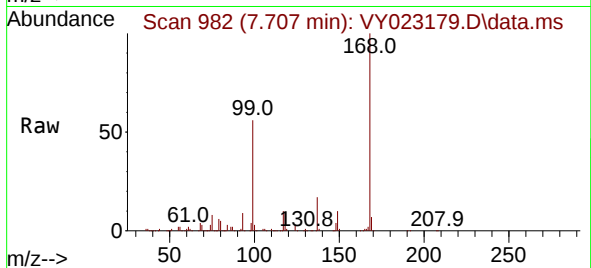
Tgt Ion: 75 Resp: 37237
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.2 24.6 37.0#



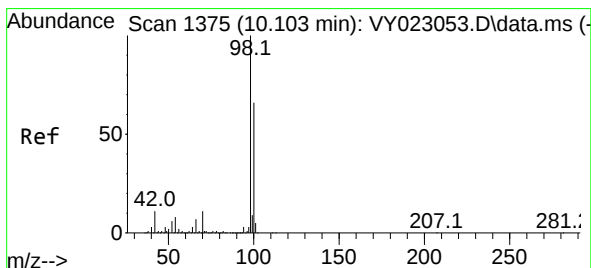
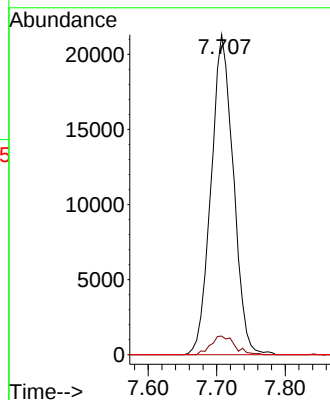
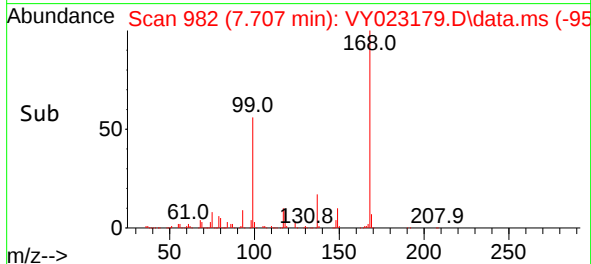


#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :

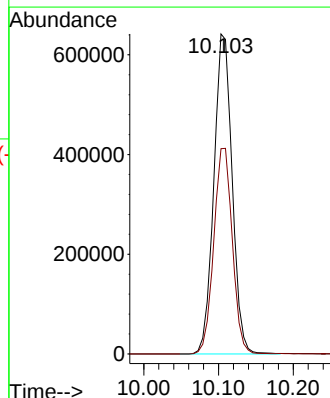
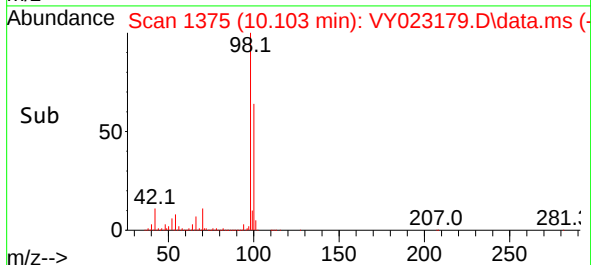
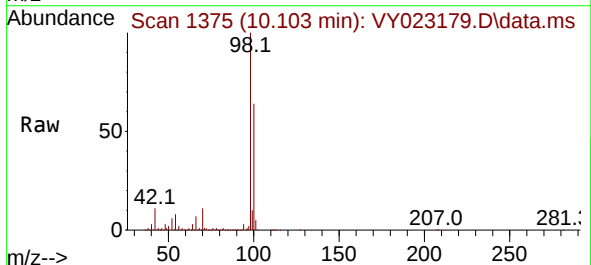


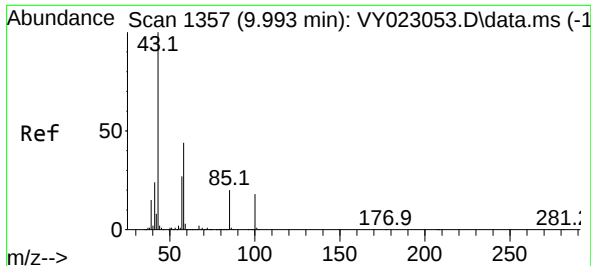
Tgt Ion:117 Resp: 48219
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.632 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion: 98 Resp: 1093222
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

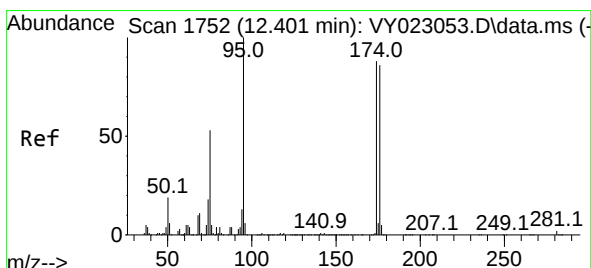
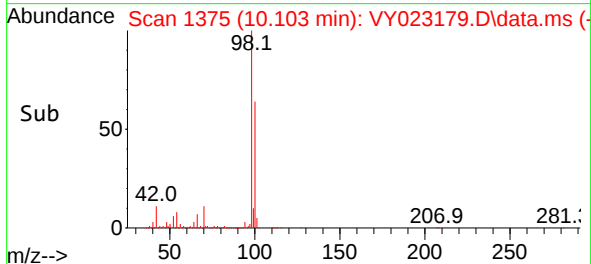
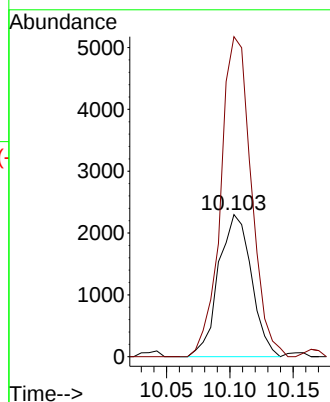
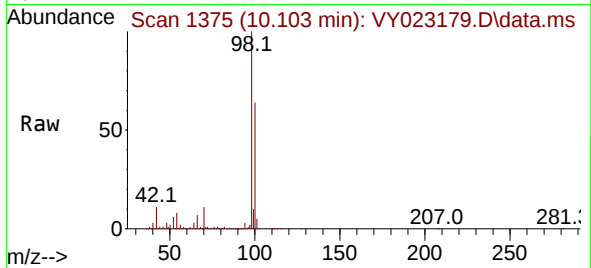




#51
4-Methyl-2-Pentanone
Concen: 1.177 ug/l
RT: 10.103 min Scan# 1357
Delta R.T. 0.110 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

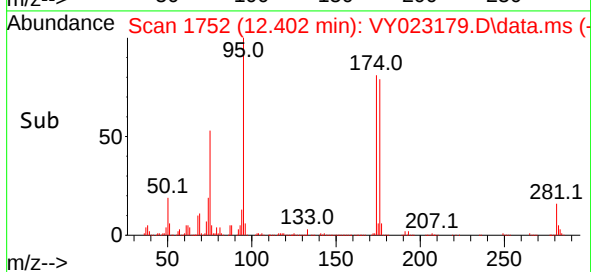
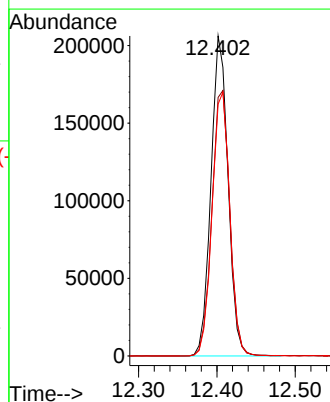
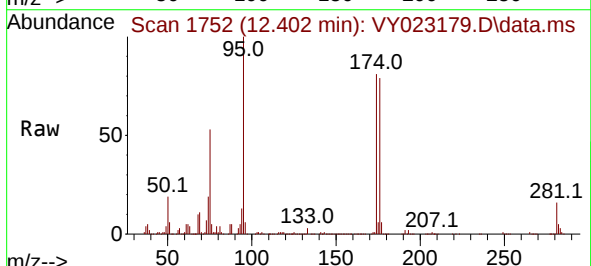
Instrument :
MSVOA_Y
ClientSampleId :

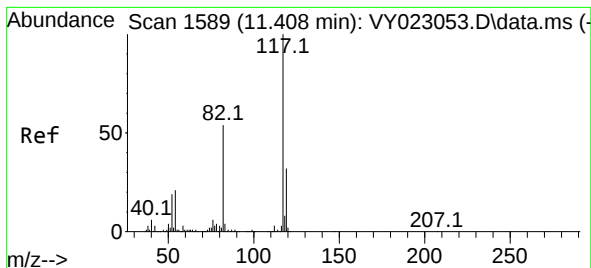
Tgt Ion: 43 Resp: 4153
Ion Ratio Lower Upper
43 100
58 209.5 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 45.864 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion: 95 Resp: 312300
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 85.3 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: VY023179.D

Acq: 20 Aug 2025 16:32

Instrument :

MSVOA_Y

ClientSampleId :

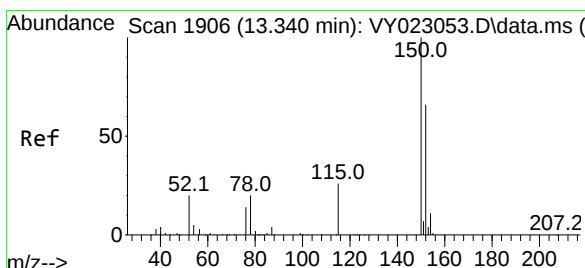
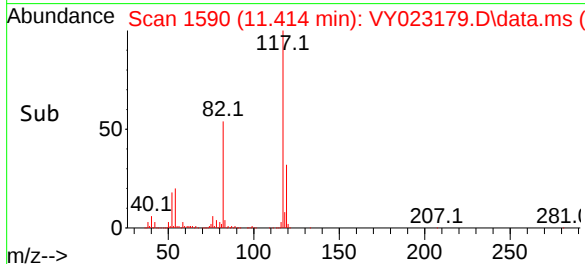
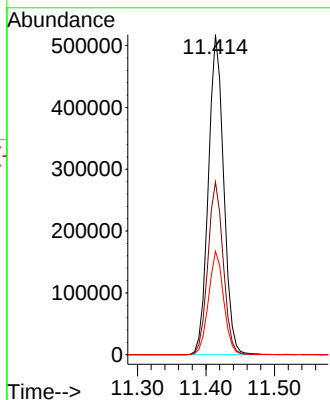
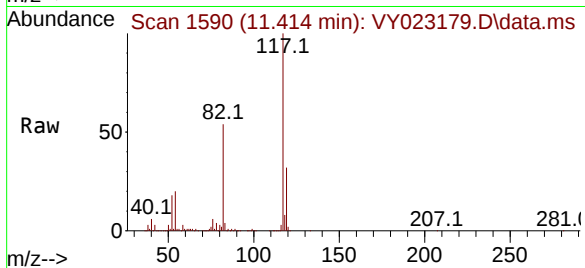
Tgt Ion:117 Resp: 805970

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.3 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: VY023179.D

Acq: 20 Aug 2025 16:32

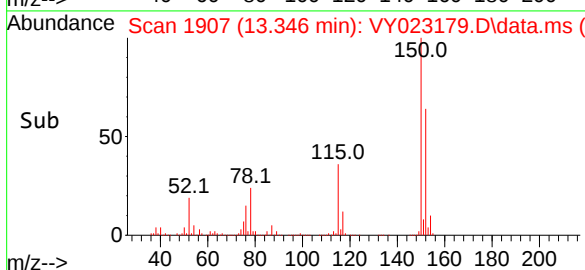
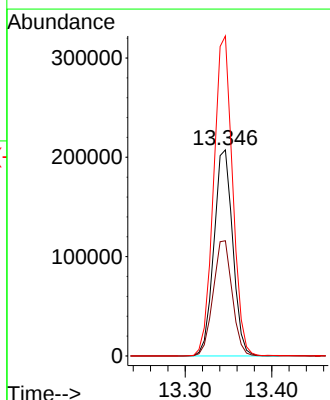
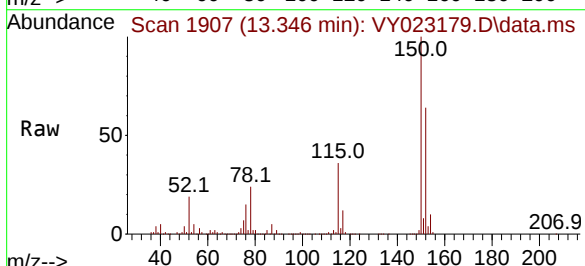
Tgt Ion:152 Resp: 312976

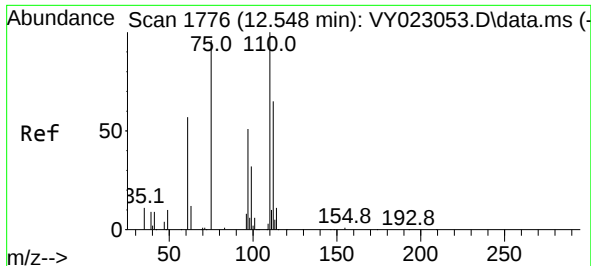
Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.6

150 156.7 0.0 348.0

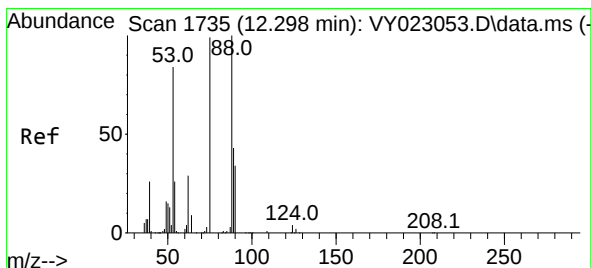
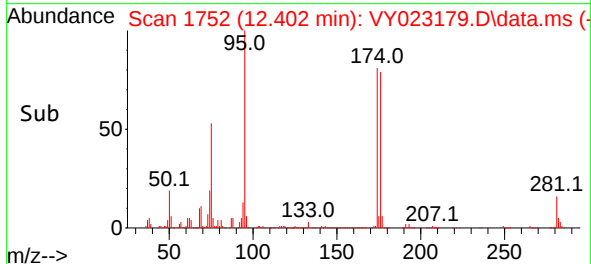
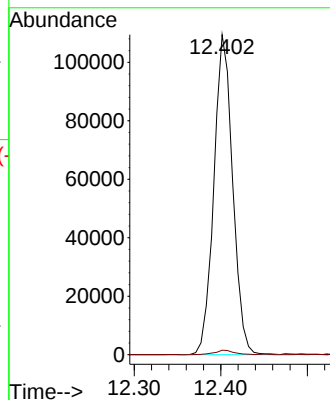
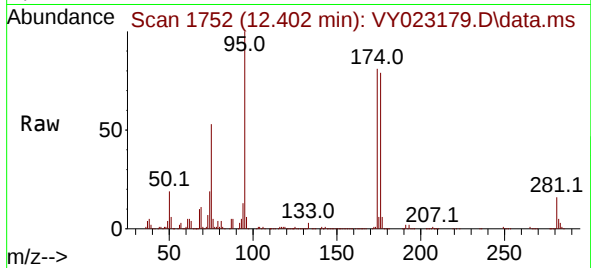




#76
1,2,3-Trichloropropane
Concen: 54.704 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 165237
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.422 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion: 75 Resp: 165237
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

