

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023141.D
 Acq On : 19 Aug 2025 11:20
 Operator : SY/MD
 Sample : Q2820-01
 Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 82H-S

Quant Time: Aug 20 01:26:48 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)

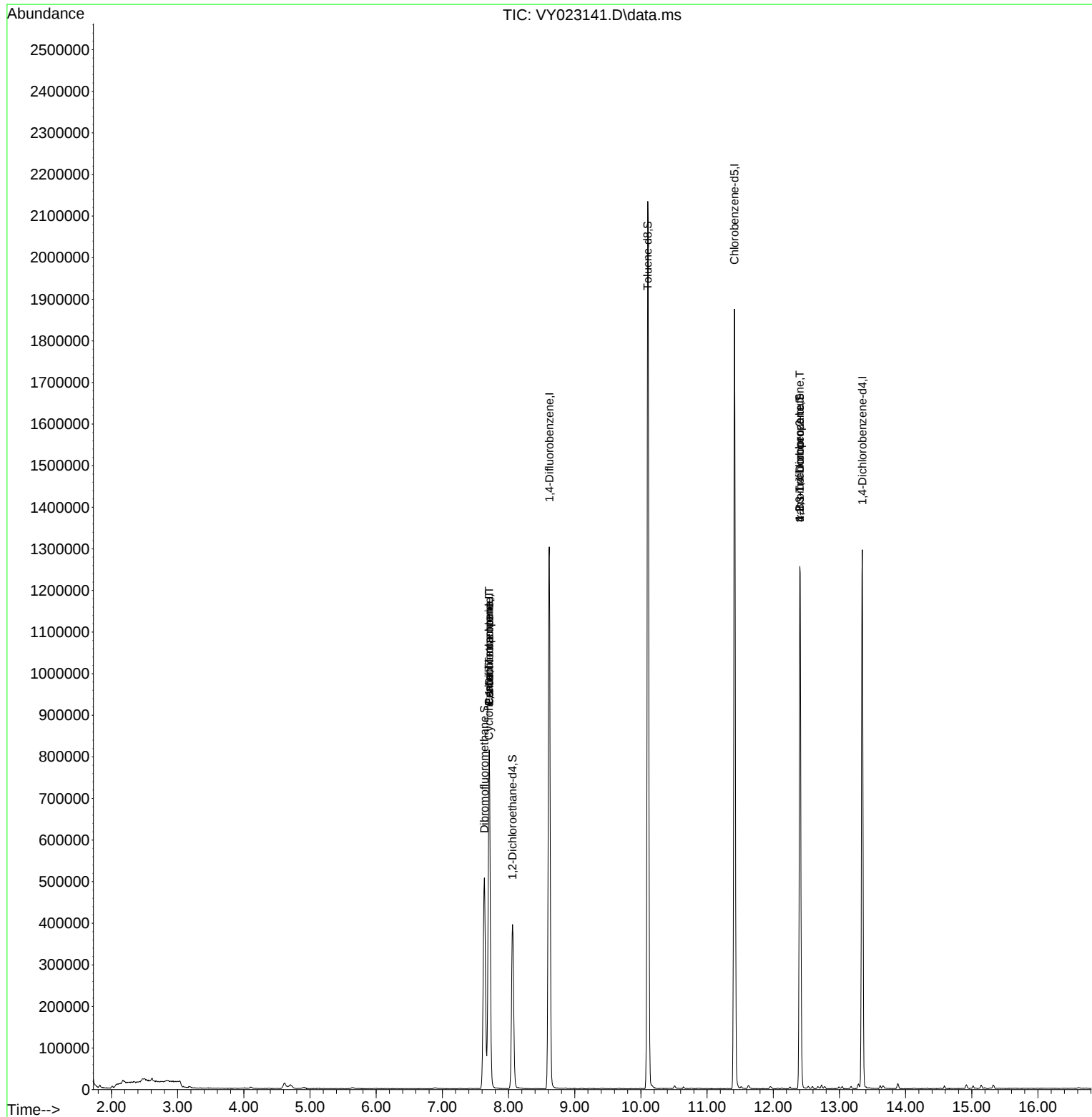
Internal Standards						
1) Pentafluorobenzene	7.707	168	632898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1176361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	988287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	333936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314601	52.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.320%	
35) Dibromofluoromethane	7.634	113	359894	51.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.103	98	1395208	50.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.402	95	372975	42.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.360%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	9914	Below Cal	88	
31) Cyclohexane	7.701	56	12636	1.125 ug/l	#	11
36) 1,1-Dichloropropene	7.707	75	48153	4.603 ug/l	#	49
38) Carbon Tetrachloride	7.707	117	62333	5.486 ug/l	#	16
76) 1,2,3-Trichloropropane	12.402	75	193008	59.888 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.402	75	193008	144.969 ug/l	#	14

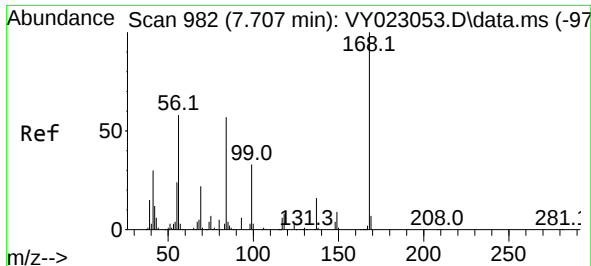
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

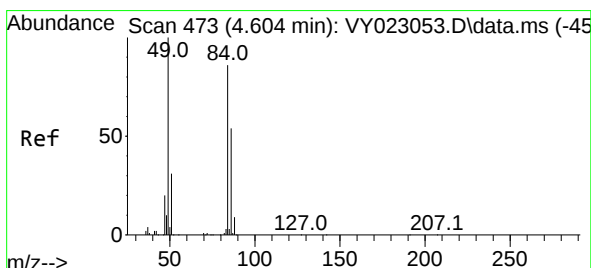
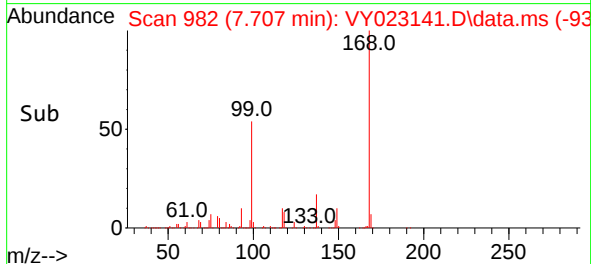
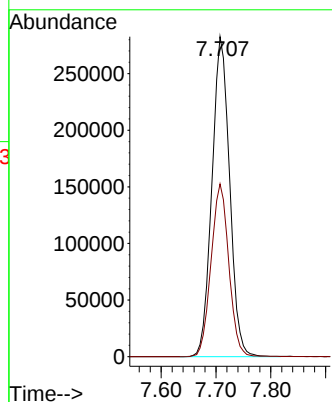
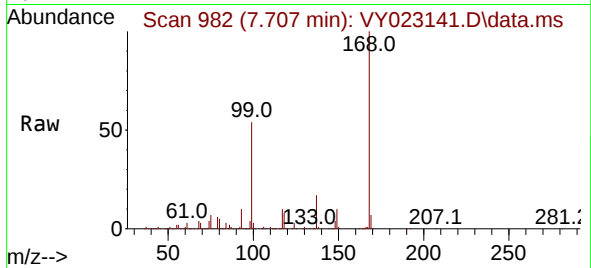




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

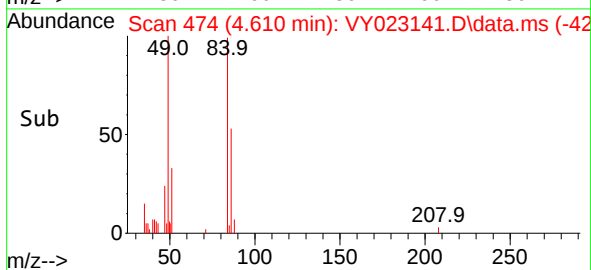
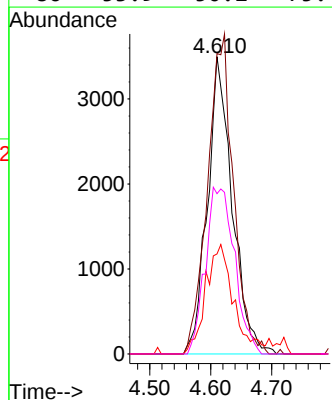
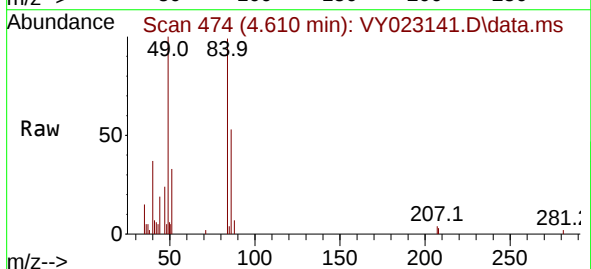
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

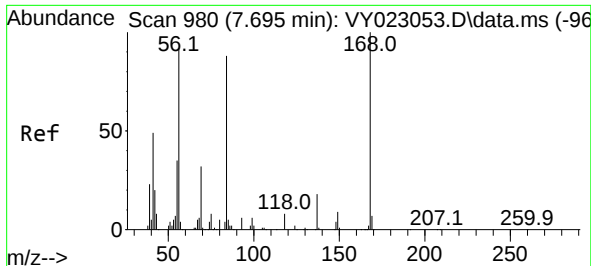
Tgt Ion:168 Resp: 632898
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 84 Resp: 9914
Ion Ratio Lower Upper
84 100
49 101.0 93.0 139.6
51 33.6 29.0 43.4
86 53.9 50.2 75.4

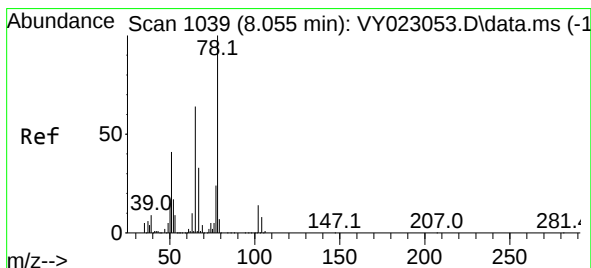
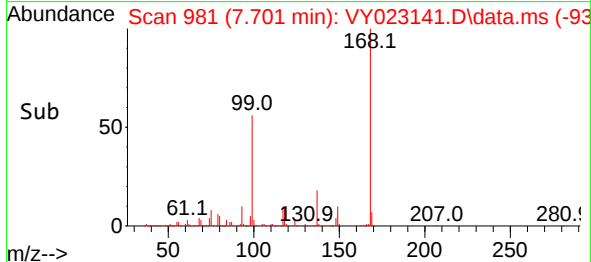
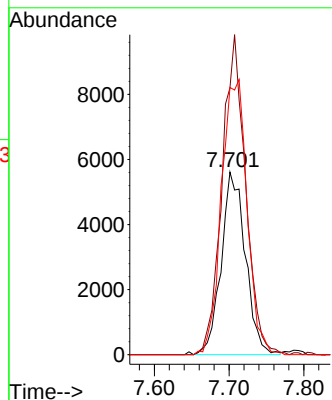
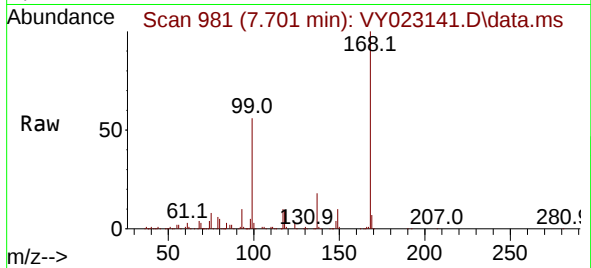




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

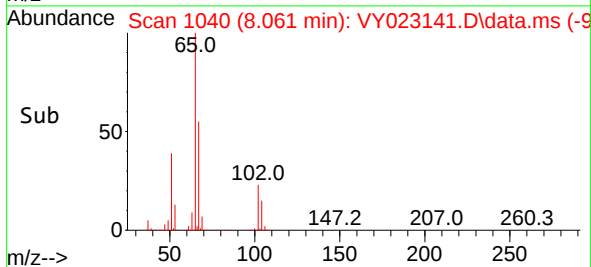
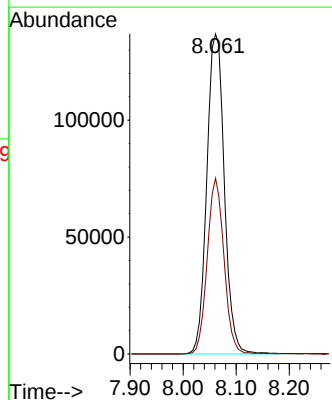
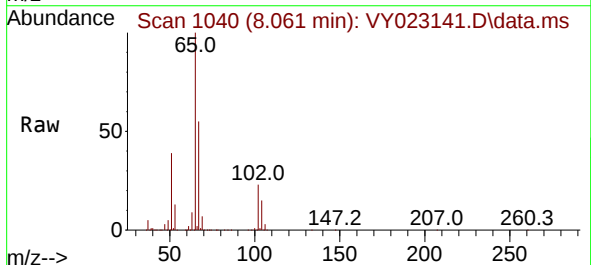
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

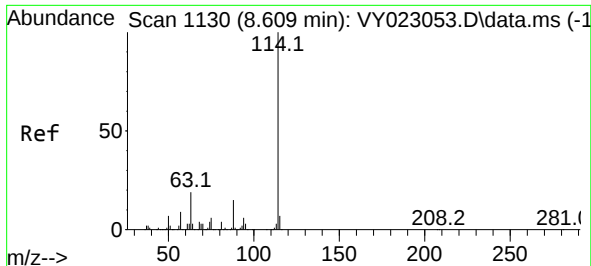
Tgt Ion: 56 Resp: 12636
Ion Ratio Lower Upper
56 100
69 146.2 28.2 42.2#
84 146.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 52.156 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 65 Resp: 314601
Ion Ratio Lower Upper
65 100
67 52.4 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: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

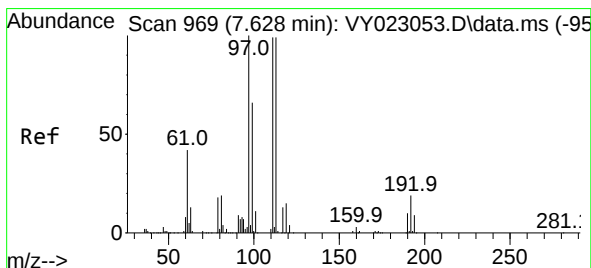
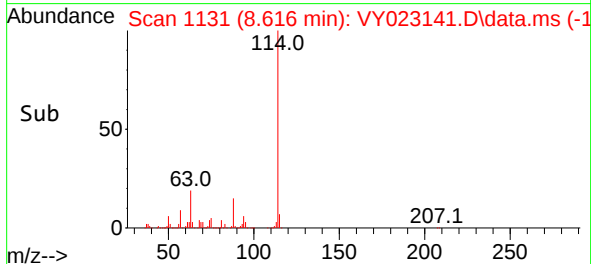
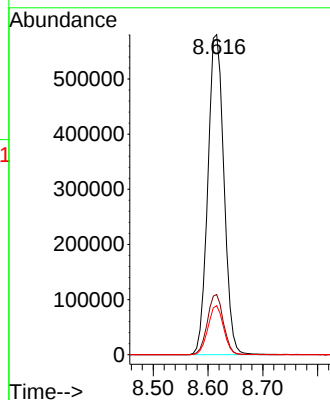
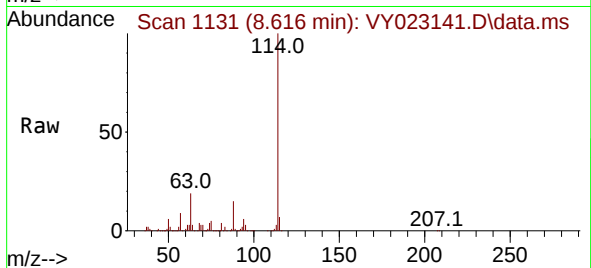
Tgt Ion:114 Resp: 1176361

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.129 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

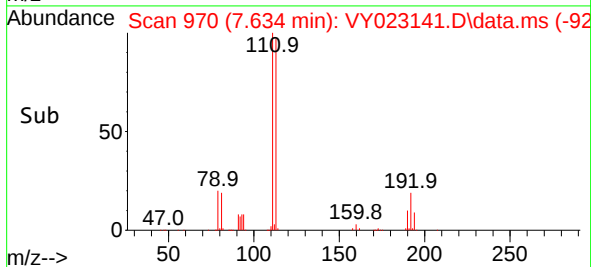
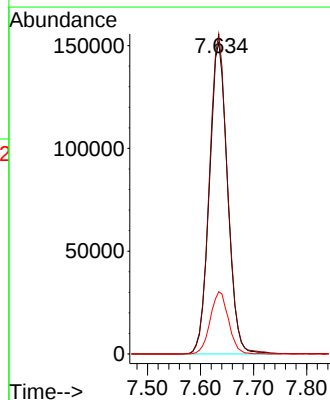
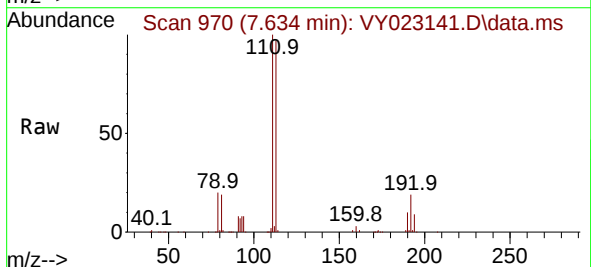
Tgt Ion:113 Resp: 359894

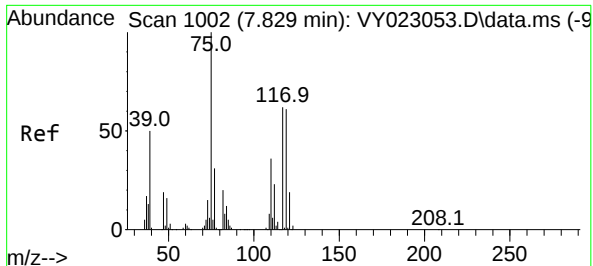
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

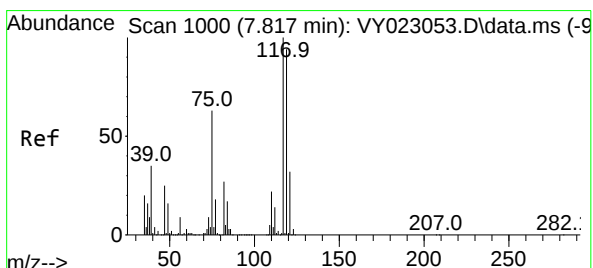
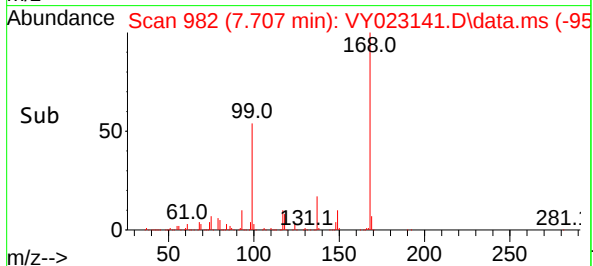
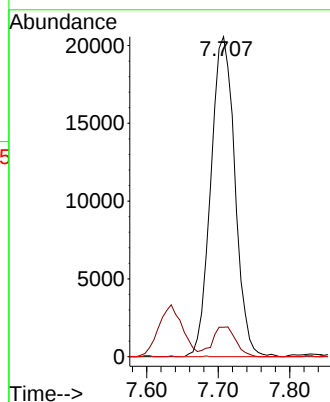
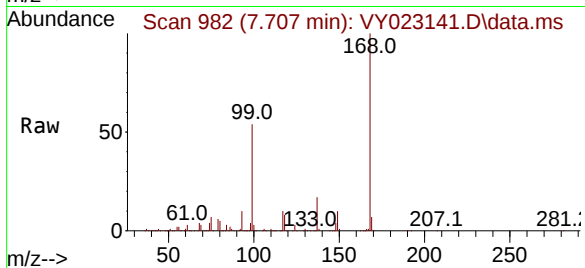
Tgt Ion: 75 Resp: 48153

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.486 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

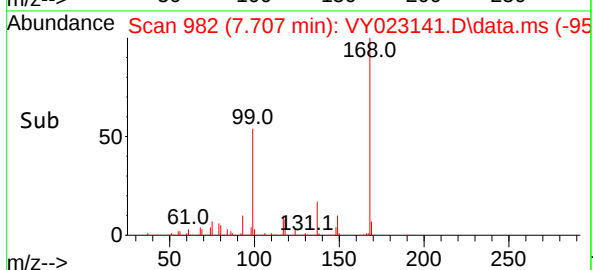
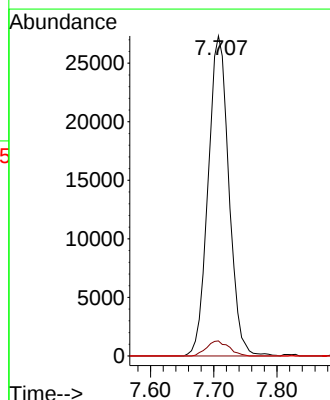
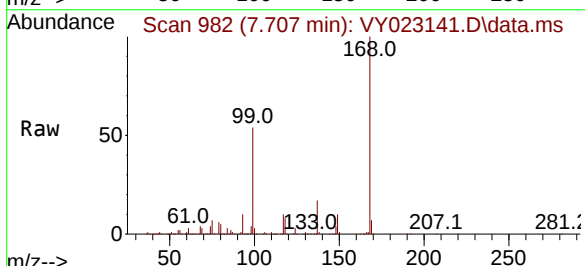
Tgt Ion: 117 Resp: 62333

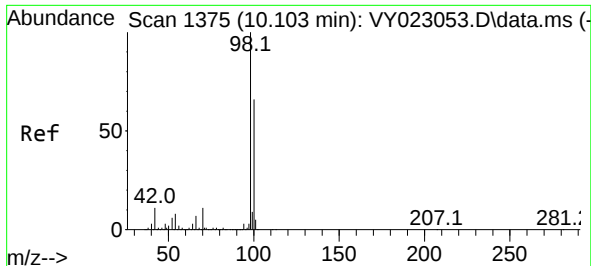
Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

121 0.0 25.8 38.8#

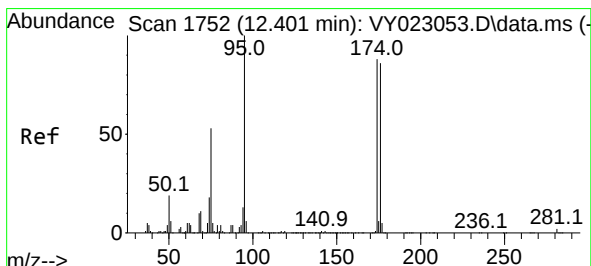
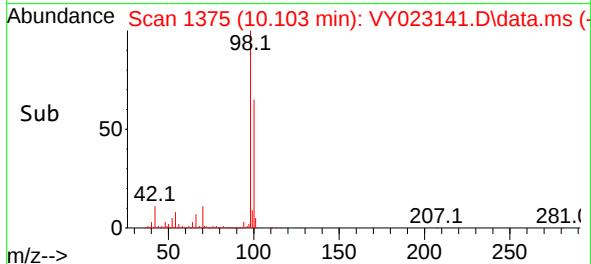
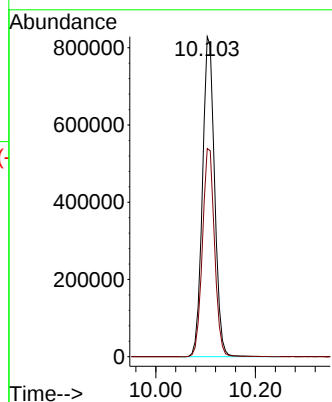
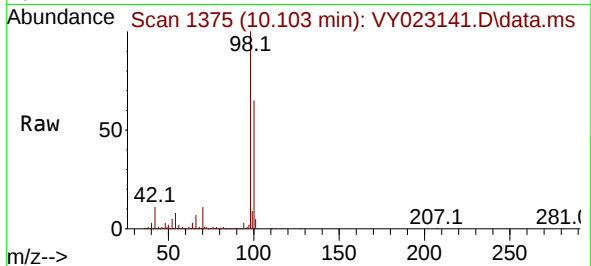




#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

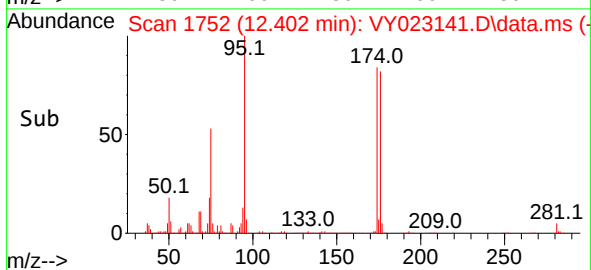
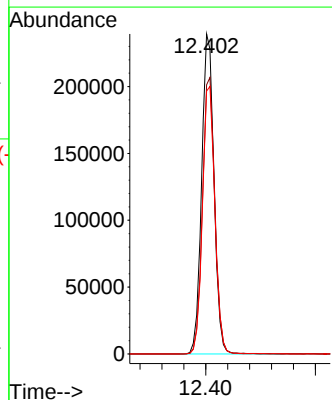
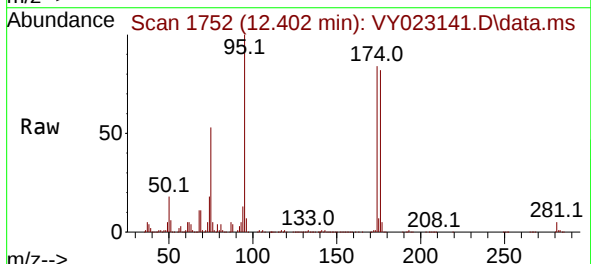
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

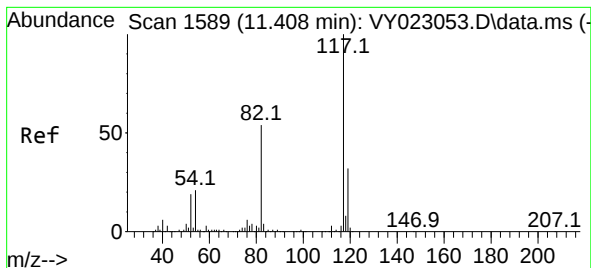
Tgt Ion: 98 Resp: 1395208
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.175 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 95 Resp: 372975
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 84.2 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: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

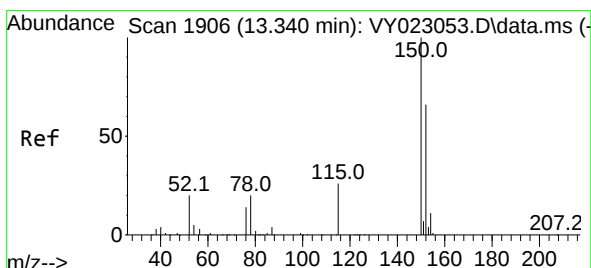
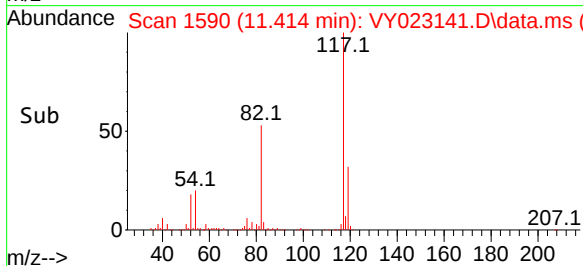
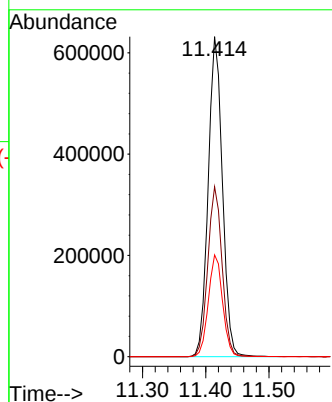
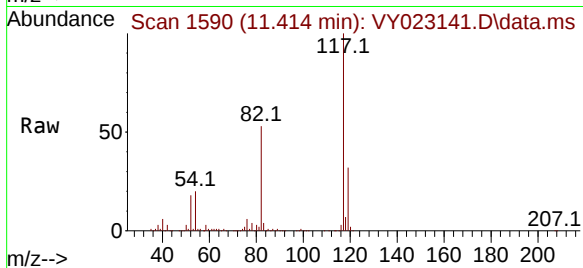
Tgt Ion:117 Resp: 988287

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.8 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: VY023141.D

Acq: 19 Aug 2025 11:20

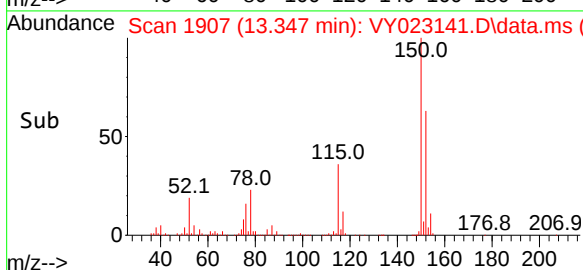
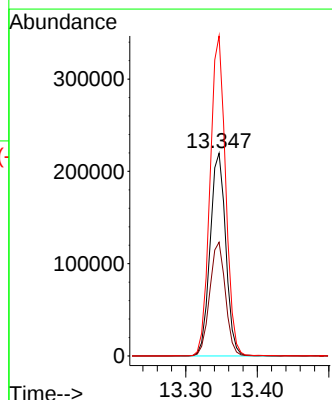
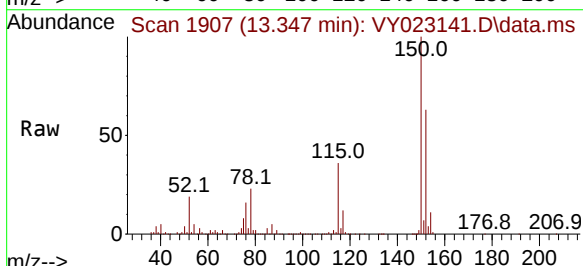
Tgt Ion:152 Resp: 333936

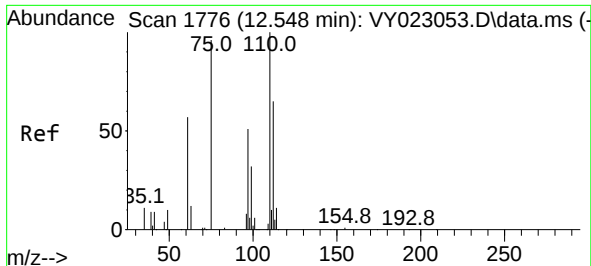
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.6 0.0 348.0

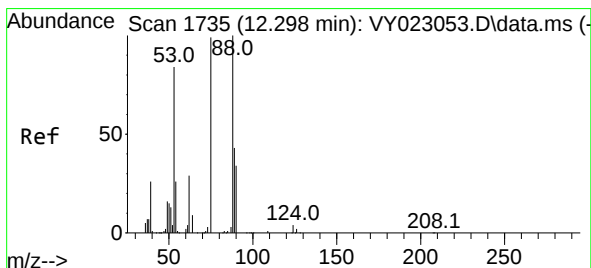
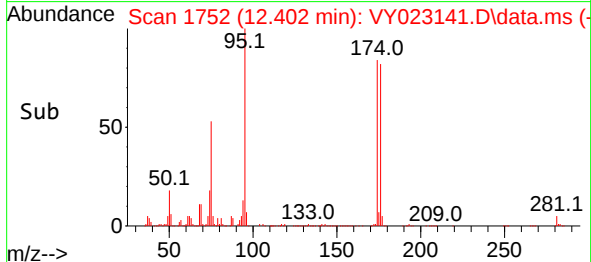
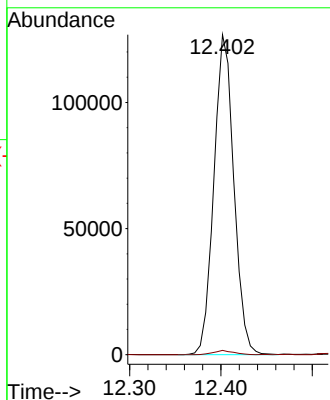
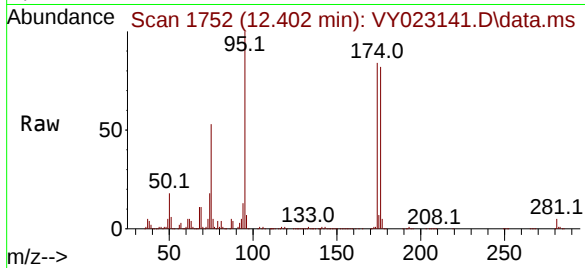




#76
1,2,3-Trichloropropane
Concen: 59.888 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Tgt Ion: 75 Resp: 193008
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.969 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 75 Resp: 193008
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.1 38.1 57.1#

