

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023265.D
 Acq On : 02 Sep 2025 15:10
 Operator : SY/MD
 Sample : Q2994-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAULDING-WC1

Quant Time: Sep 03 03:32:08 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)

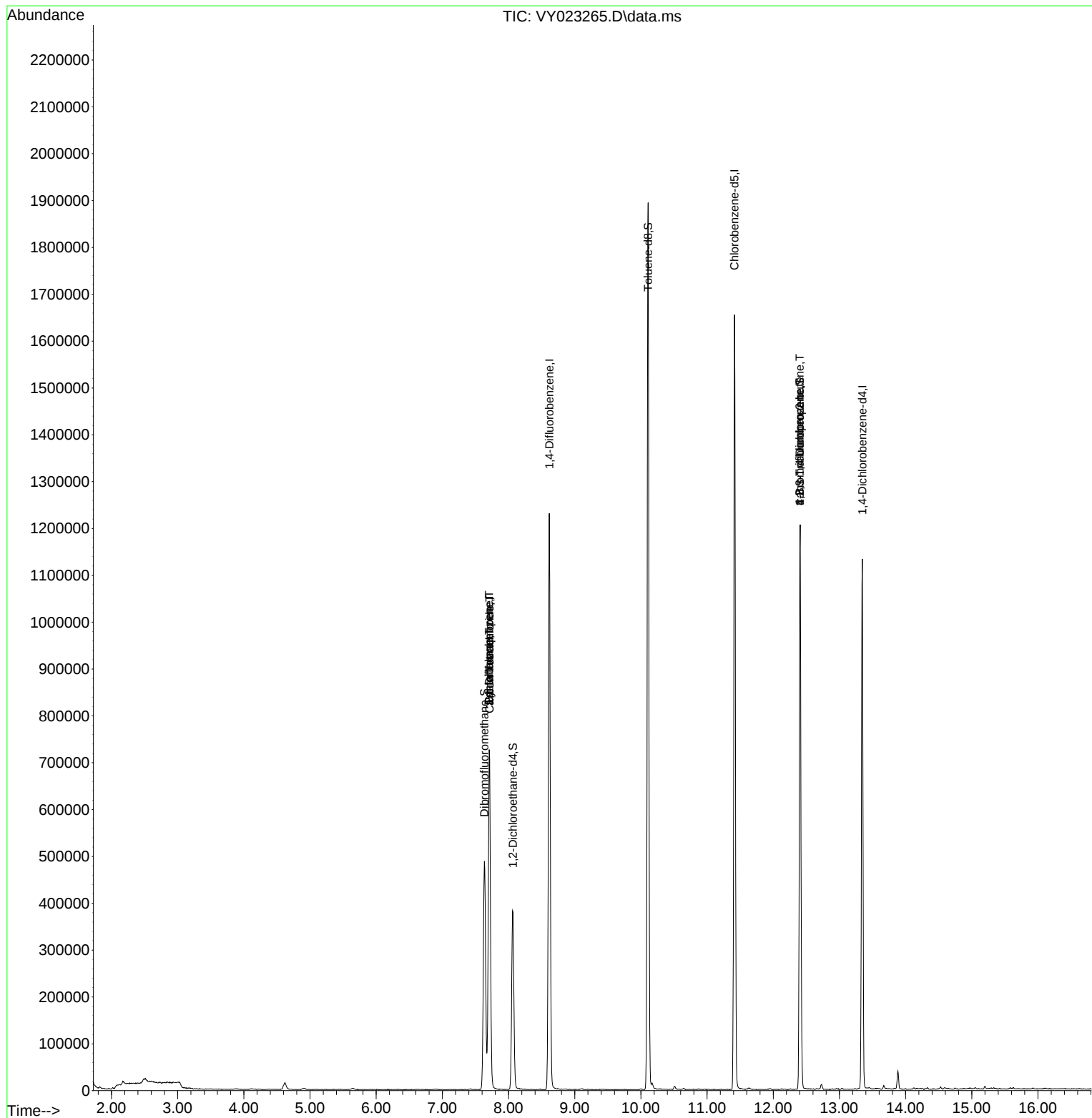
Internal Standards						
1) Pentafluorobenzene	7.707	168	590164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1097764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	927290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	306386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	306595	54.509	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.020%	
35) Dibromofluoromethane	7.634	113	352346	53.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.280%	
50) Toluene-d8	10.109	98	1265219	49.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.402	95	335272	40.626	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.260%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	10553	Below Cal		86
31) Cyclohexane	7.707	56	10783	1.029 ug/l	#	1
36) 1,1-Dichloropropene	7.707	75	41189	4.219 ug/l	#	50
38) Carbon Tetrachloride	7.713	117	55860	5.268 ug/l	#	16
76) 1,2,3-Trichloropropane	12.402	75	170270	57.583 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.402	75	170270	139.390 ug/l	#	14

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

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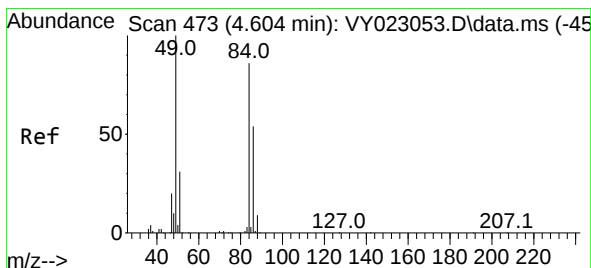
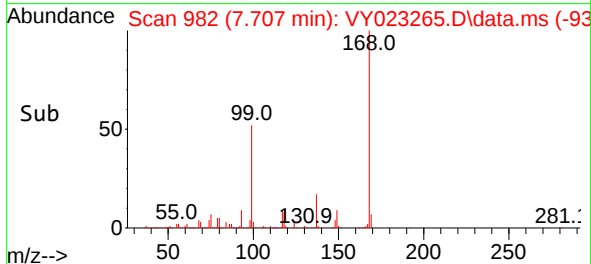
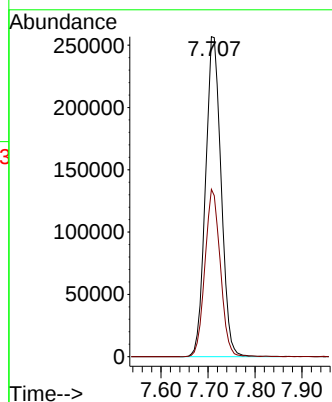
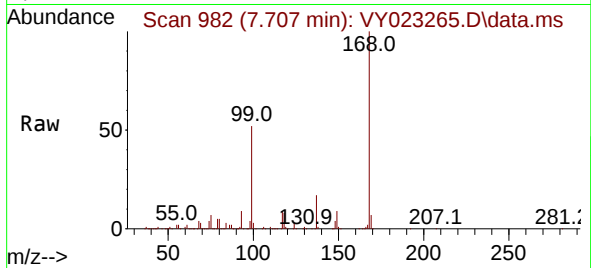




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

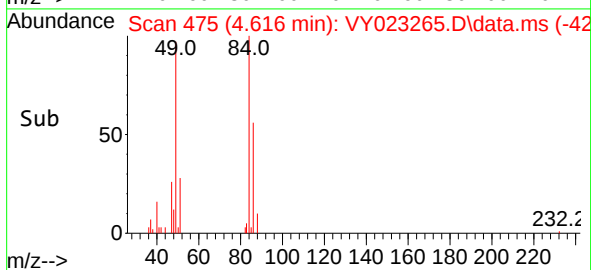
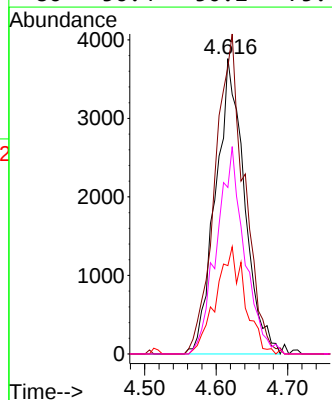
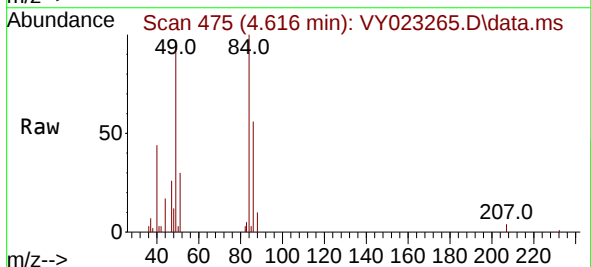
Instrument :
MSVOA_Y
ClientSampleId :
PAULDING-WC1

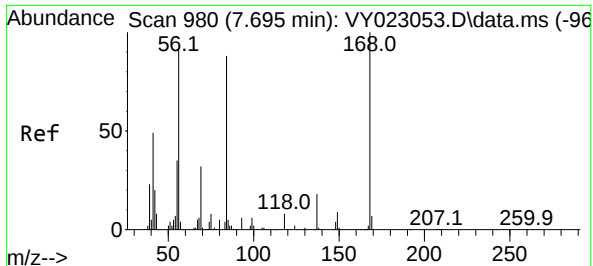
Tgt Ion:168 Resp: 590164
Ion Ratio Lower Upper
168 100
99 52.3 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion: 84 Resp: 10553
Ion Ratio Lower Upper
84 100
49 97.1 93.0 139.6
51 29.9 29.0 43.4
86 56.4 50.2 75.4

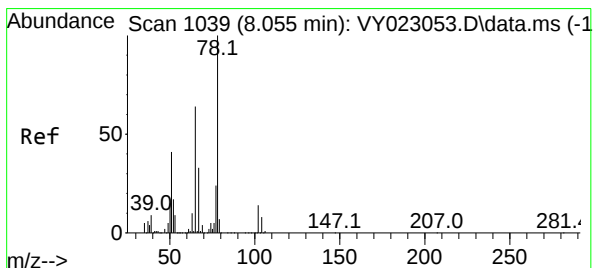
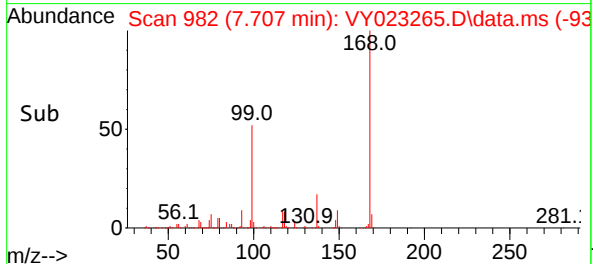
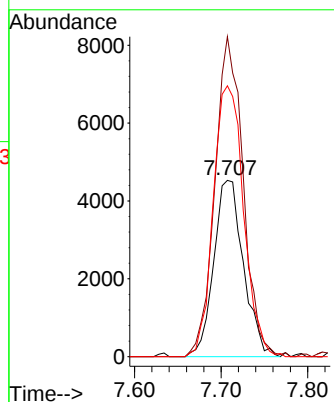
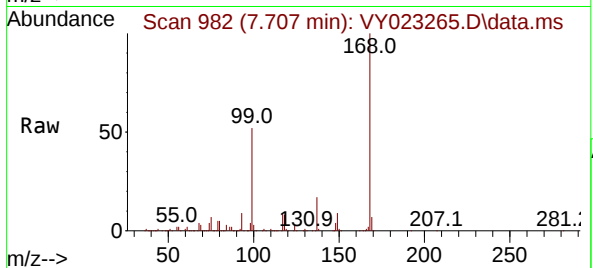




#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

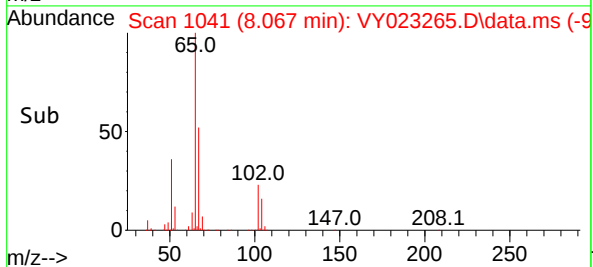
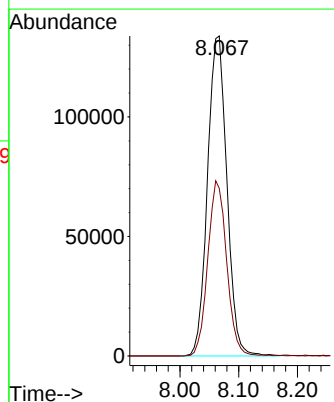
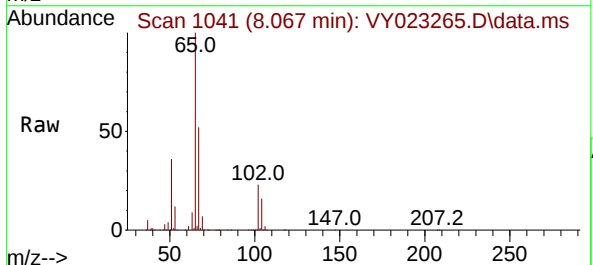
Instrument :
MSVOA_Y
ClientSampleId :
PAULDING-WC1

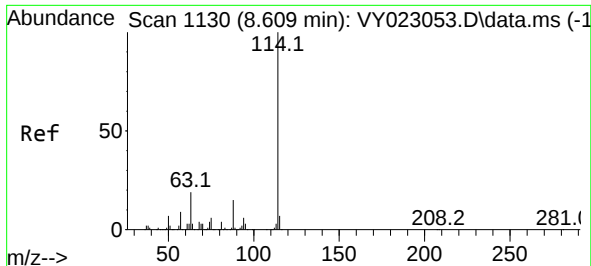
Tgt Ion: 56 Resp: 10783
Ion Ratio Lower Upper
56 100
69 181.4 28.2 42.2#
84 153.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.509 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion: 65 Resp: 306595
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

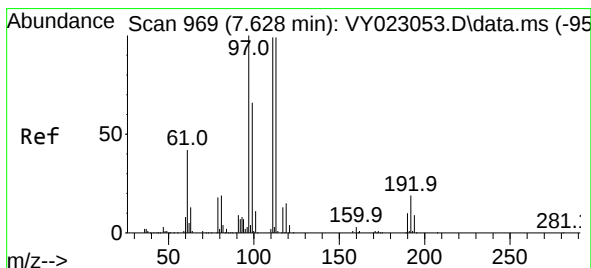
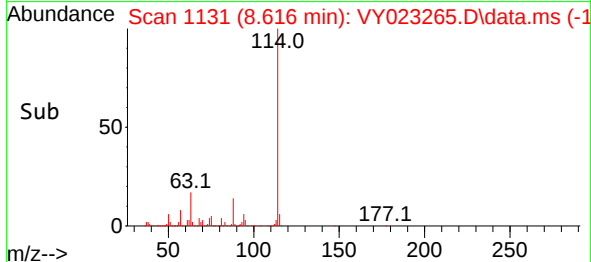
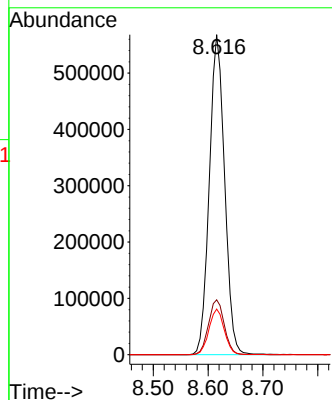
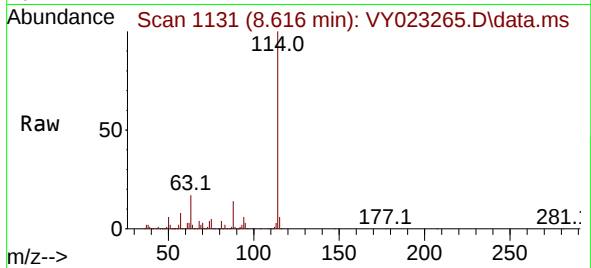




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

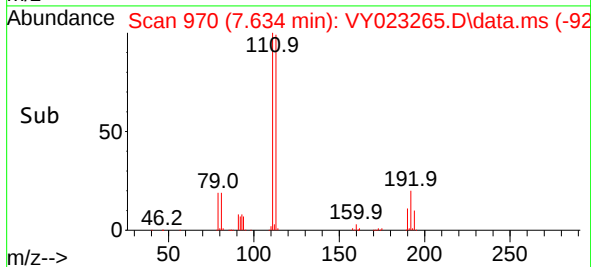
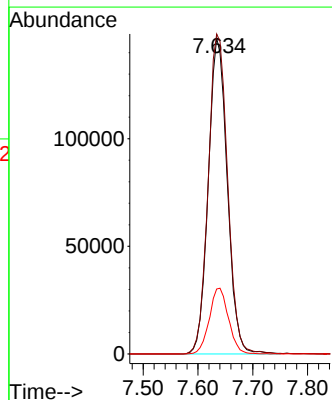
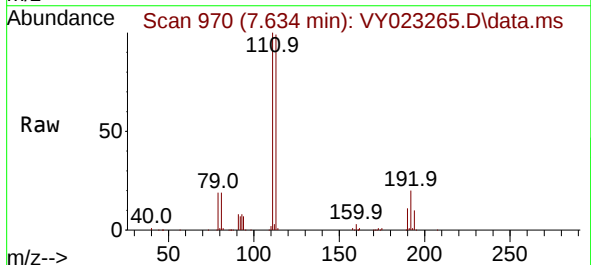
Instrument :
MSVOA_Y
ClientSampleId :
PAULDING-WC1

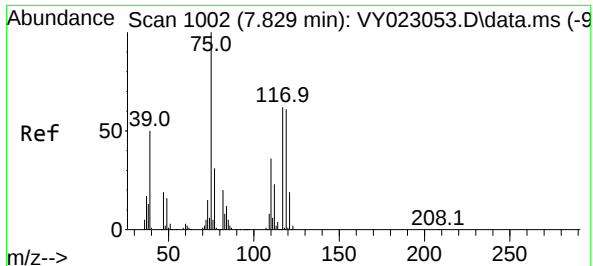
Tgt Ion:114 Resp: 1097764
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.4
88 14.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.640 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion:113 Resp: 352346
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.219 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023265.D

Acq: 02 Sep 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

PAULDING-WC1

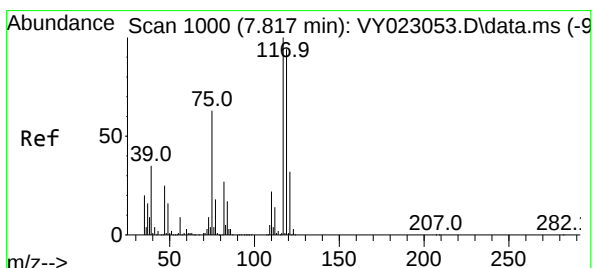
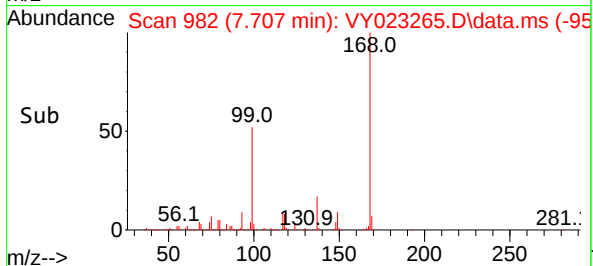
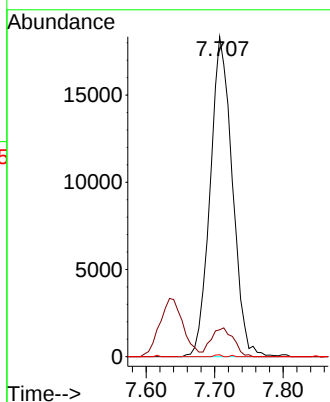
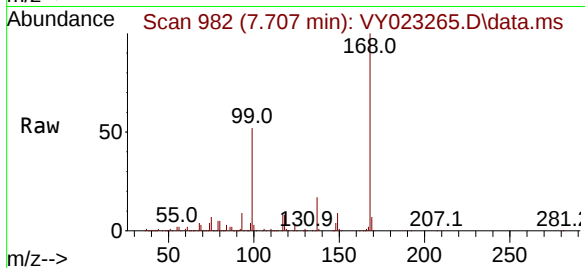
Tgt Ion: 75 Resp: 41189

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023265.D

Acq: 02 Sep 2025 15:10

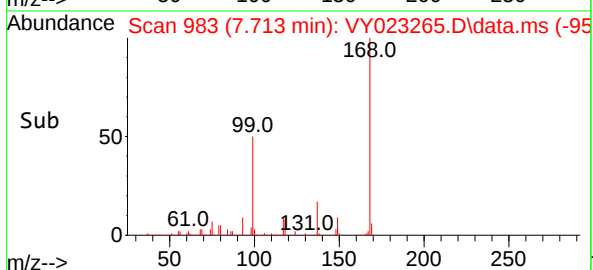
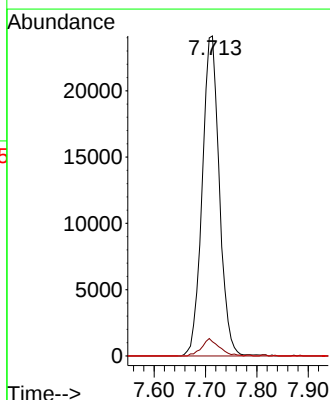
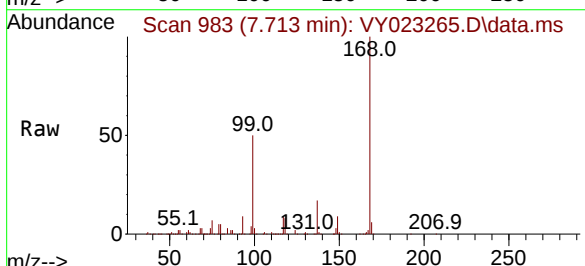
Tgt Ion: 117 Resp: 55860

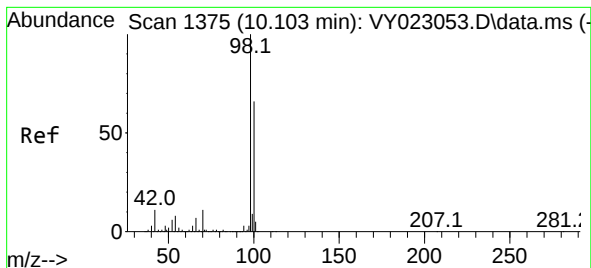
Ion Ratio Lower Upper

117 100

119 4.5 75.6 113.4#

121 0.0 25.8 38.8#

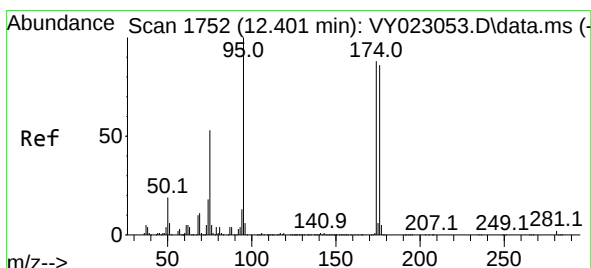
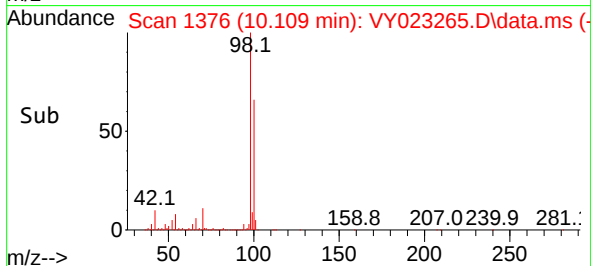
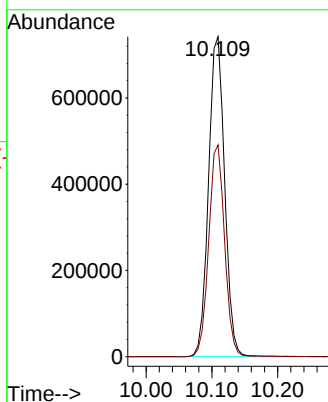
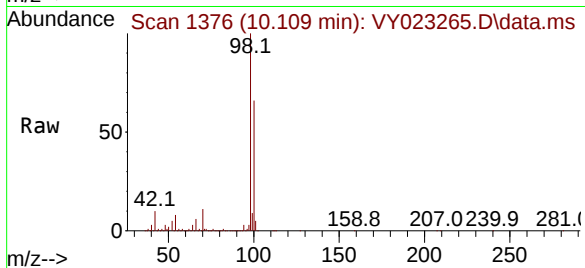




#50
Toluene-d8
Concen: 49.305 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

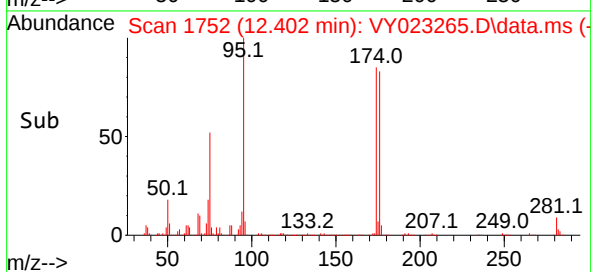
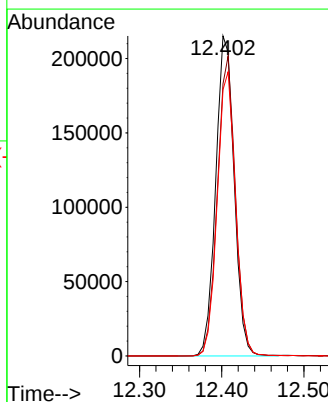
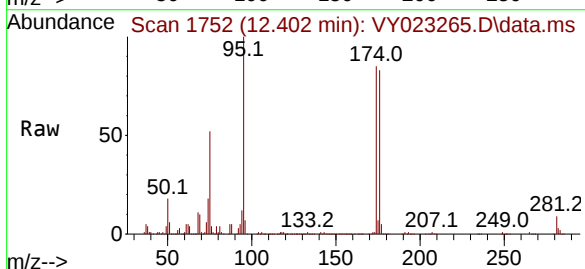
Instrument :
MSVOA_Y
ClientSampleId :
PAULDING-WC1

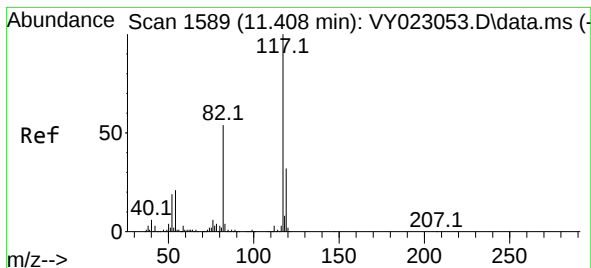
Tgt Ion: 98 Resp: 1265219
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 40.626 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion: 95 Resp: 335272
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 88.4 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: VY023265.D

Acq: 02 Sep 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

PAULDING-WC1

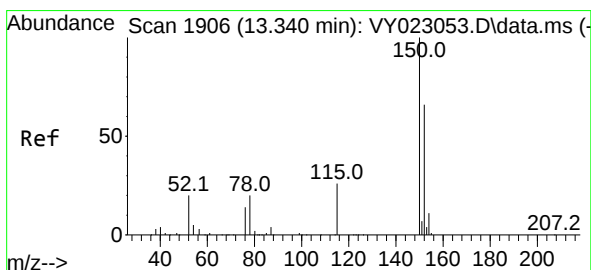
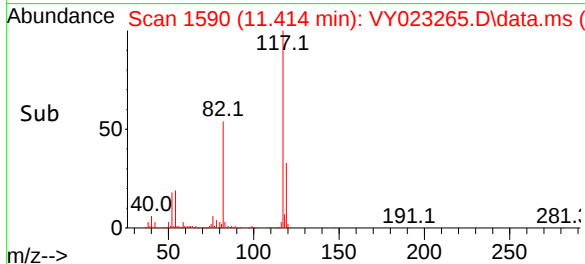
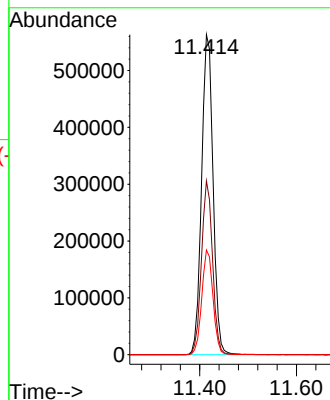
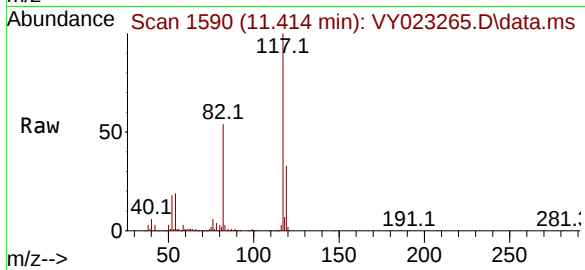
Tgt Ion:117 Resp: 927290

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.7 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: VY023265.D

Acq: 02 Sep 2025 15:10

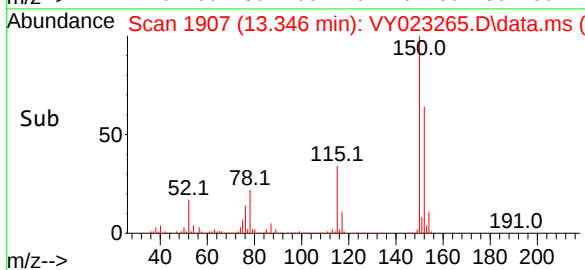
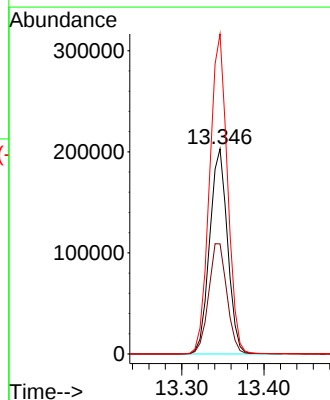
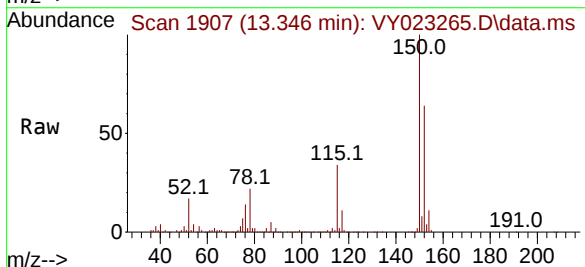
Tgt Ion:152 Resp: 306386

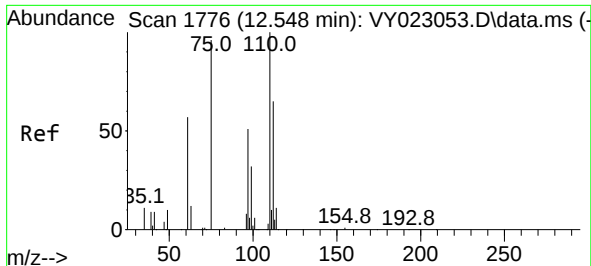
Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 155.9 0.0 348.0

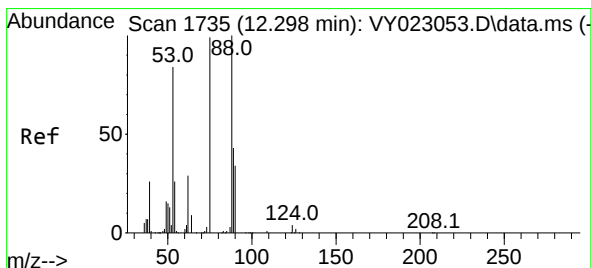
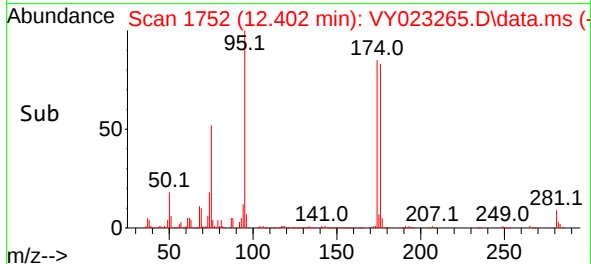
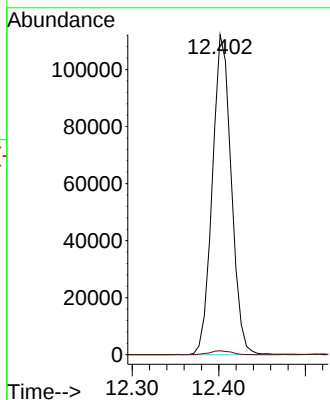
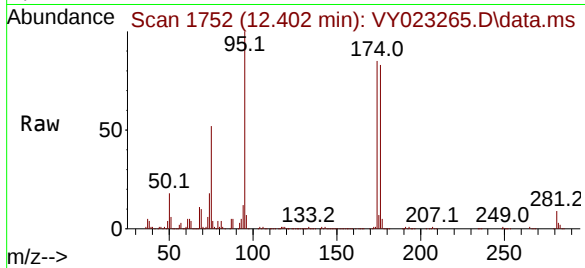




#76
1,2,3-Trichloropropane
Concen: 57.583 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
PAULDING-WC1

Tgt Ion: 75 Resp: 170270
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.390 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023265.D
Acq: 02 Sep 2025 15:10

Tgt Ion: 75 Resp: 170270
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.1 38.1 57.1#

