

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023158.D
 Acq On : 19 Aug 2025 17:59
 Operator : SY/MD
 Sample : Q2889-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-081525

Quant Time: Aug 20 01:33:53 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)

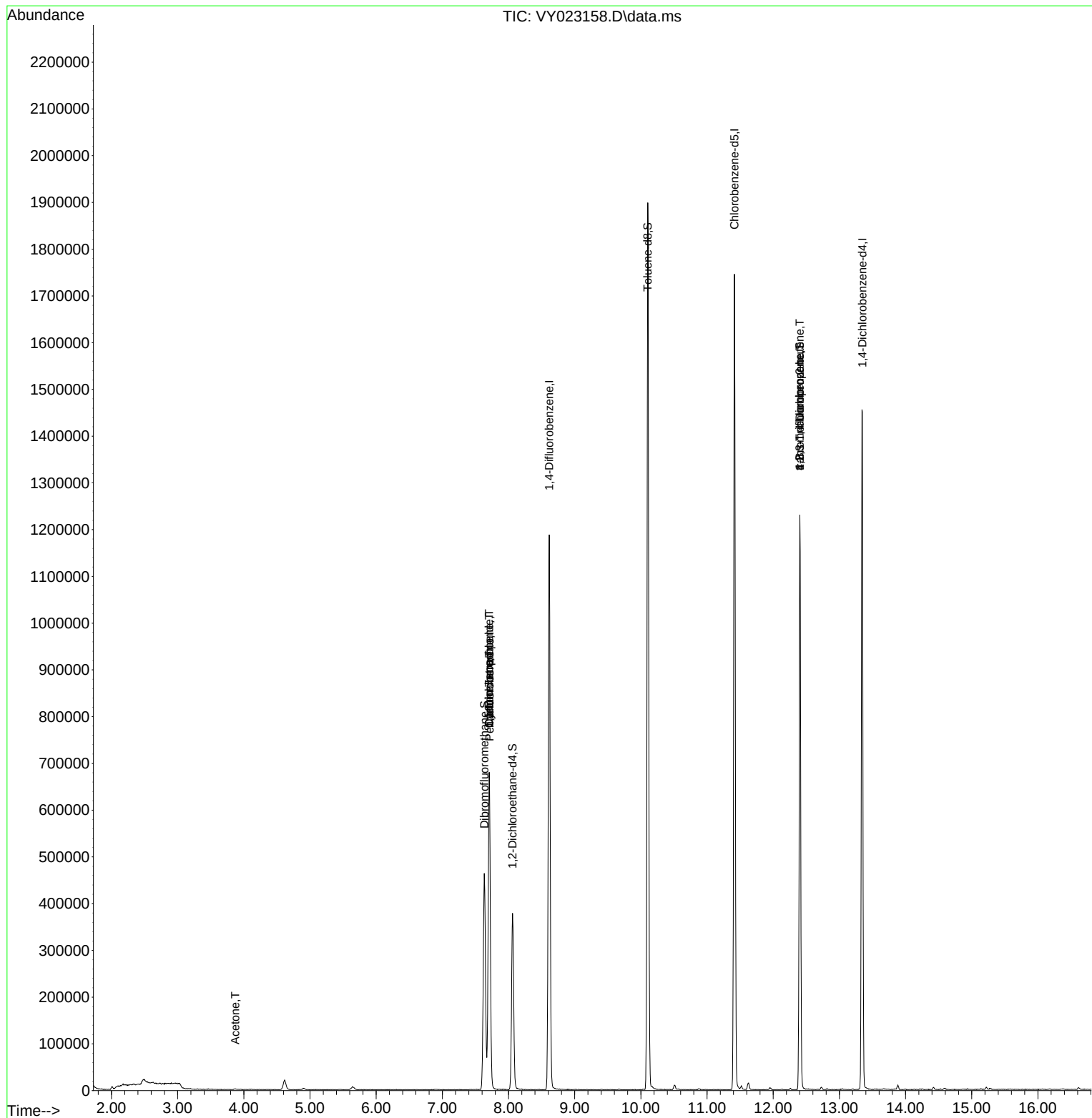
Internal Standards						
1) Pentafluorobenzene	7.713	168	532620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1020920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	921939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	298067	58.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.440%	
35) Dibromofluoromethane	7.634	113	327540	53.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.240%	
50) Toluene-d8	10.103	98	1247052	52.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.401	95	361605	47.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2691	2.447	ug/l #	83
20) Methylene Chloride	4.616	84	15237	Below Cal		95
31) Cyclohexane	7.707	56	11145	1.179	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	40648	4.477	ug/l #	49
38) Carbon Tetrachloride	7.707	117	52053	5.279	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	190483	52.811	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	190483	127.838	ug/l #	14

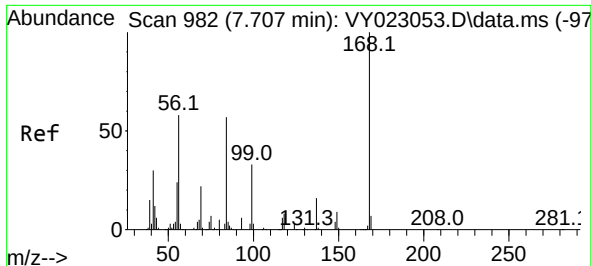
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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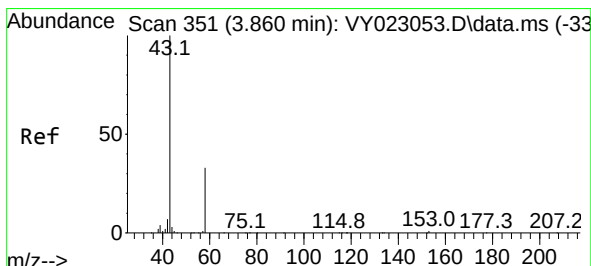
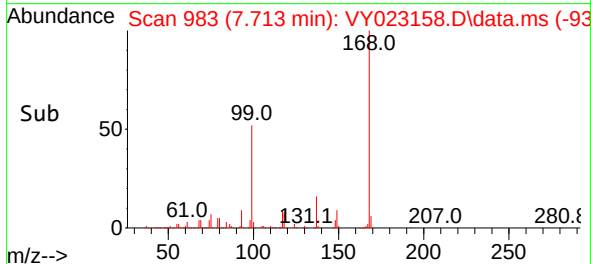
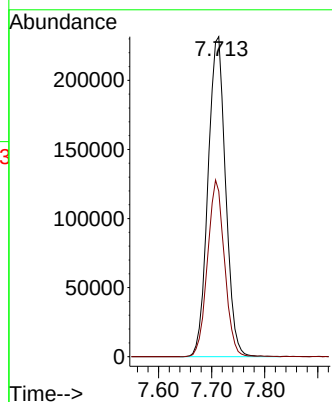
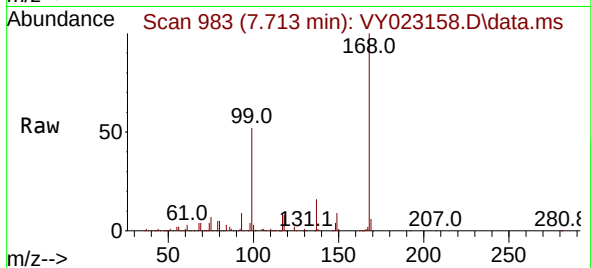




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

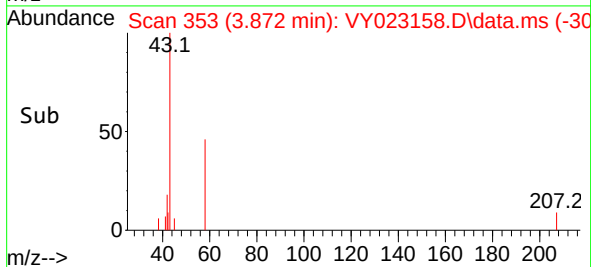
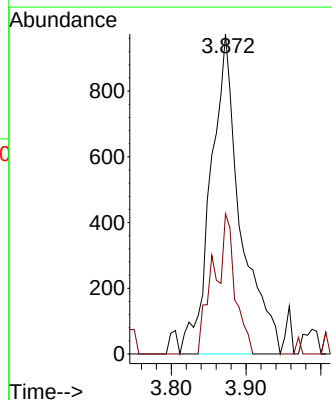
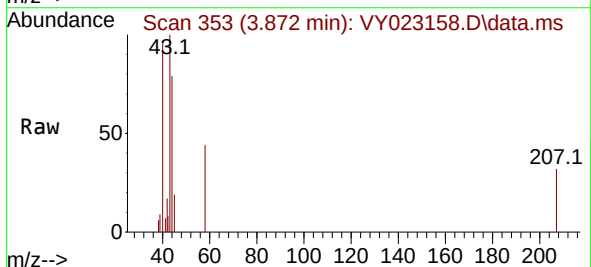
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-081525

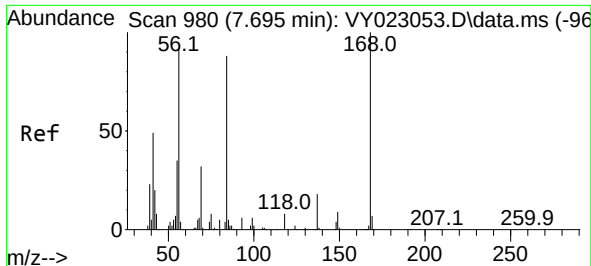
Tgt Ion:168 Resp: 532620
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#16
Acetone
Concen: 2.447 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
58 43.8 27.1 40.7#

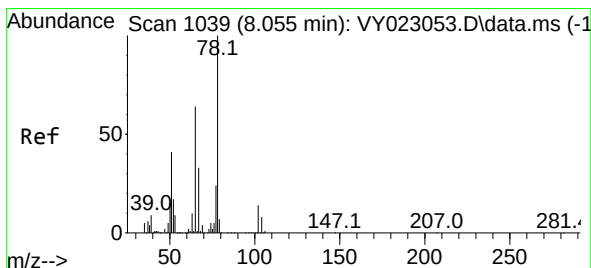
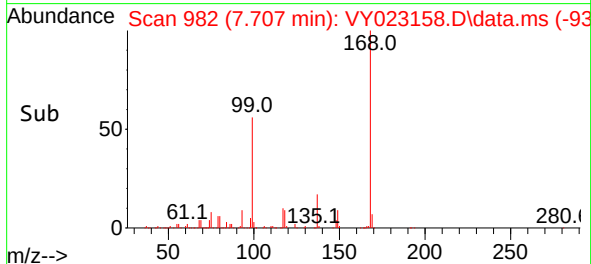
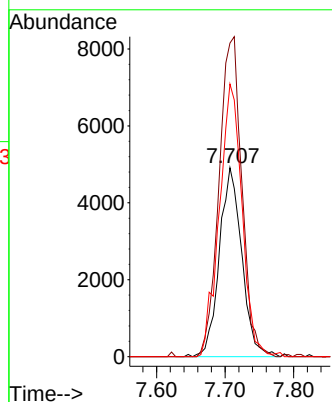
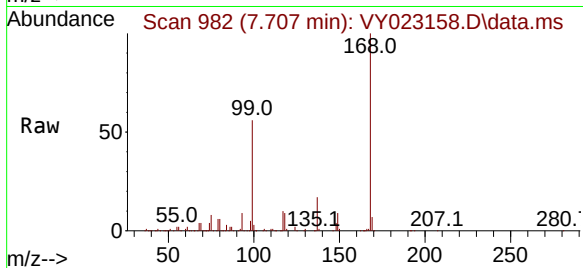




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.707 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

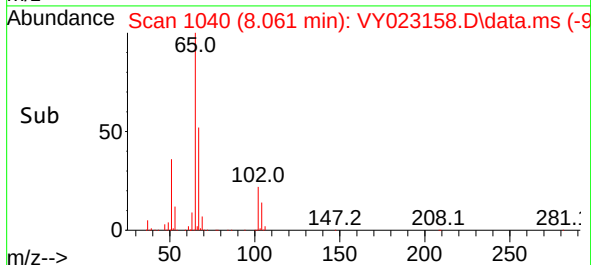
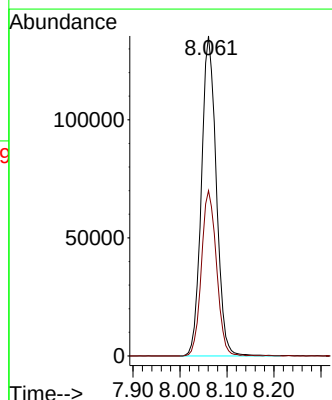
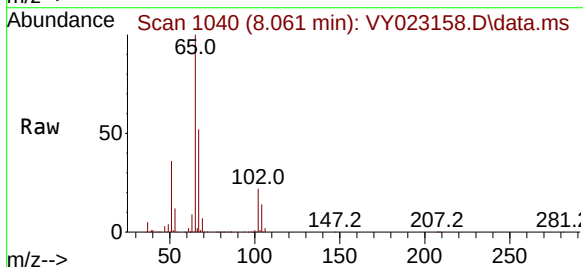
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-081525

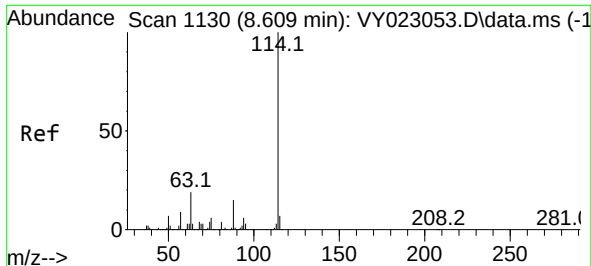
Tgt Ion: 56 Resp: 11145
Ion Ratio Lower Upper
56 100
69 165.9 28.2 42.2#
84 144.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.718 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion: 65 Resp: 298067
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8

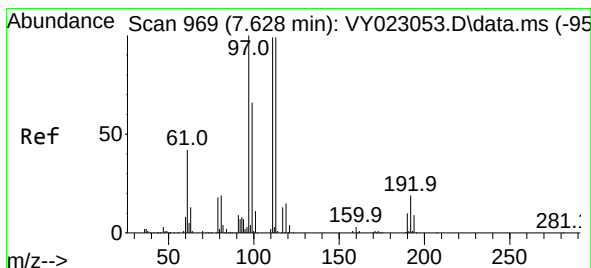
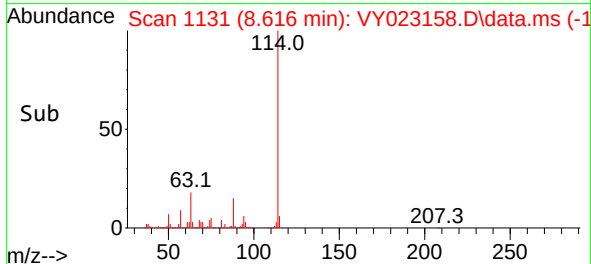
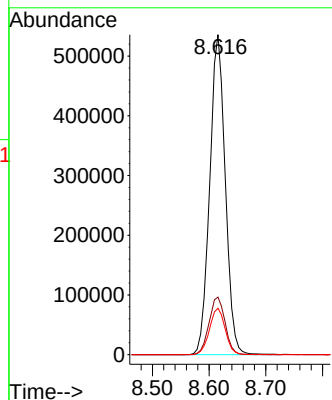
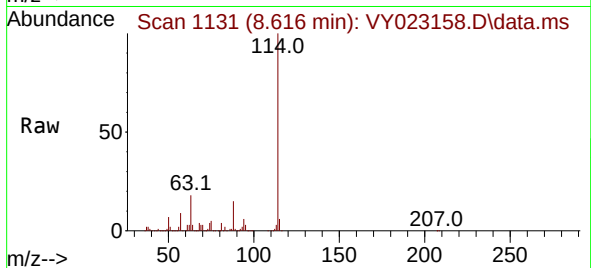




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

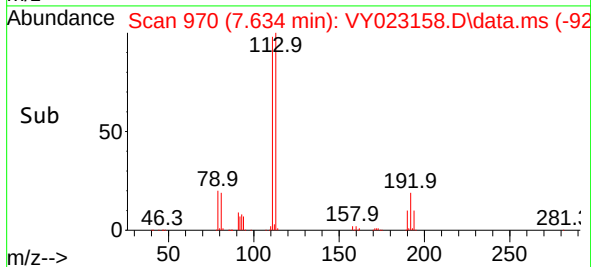
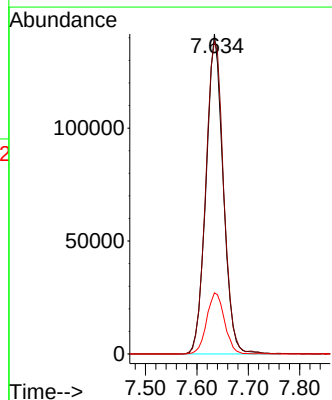
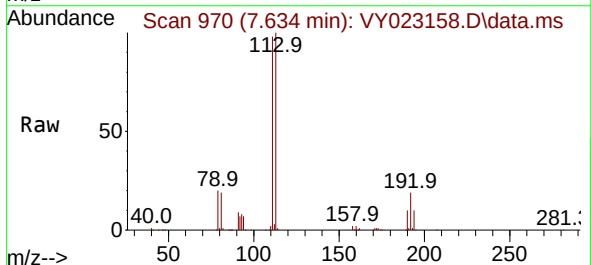
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-081525

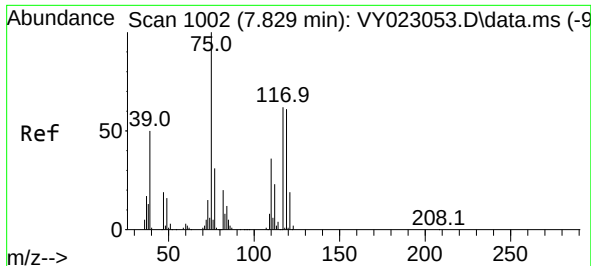
Tgt Ion:114 Resp: 1020920
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.617 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion:113 Resp: 327540
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023158.D

Acq: 19 Aug 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-081525

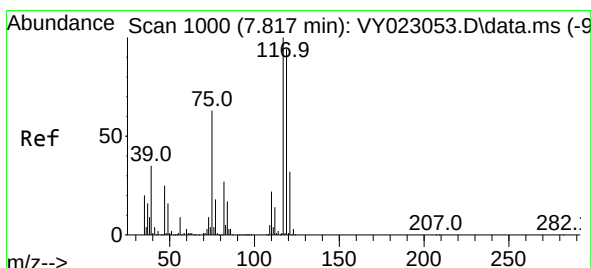
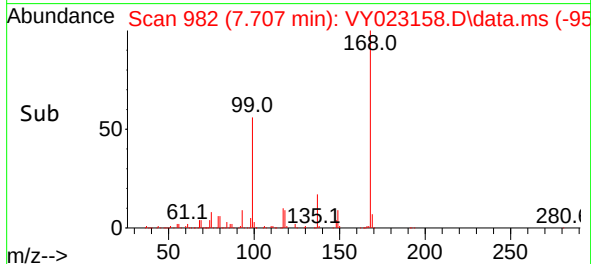
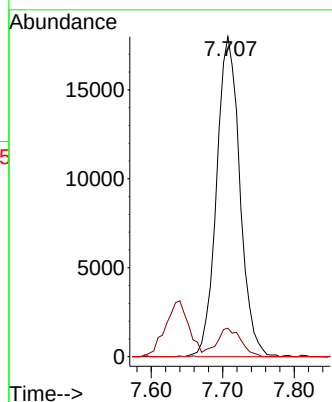
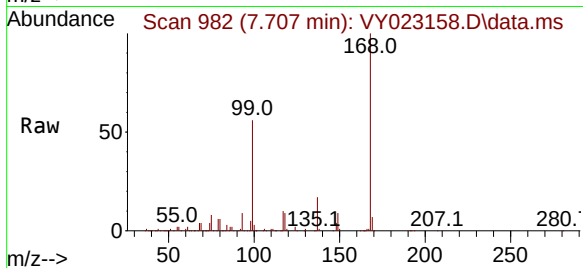
Tgt Ion: 75 Resp: 40648

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.279 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023158.D

Acq: 19 Aug 2025 17:59

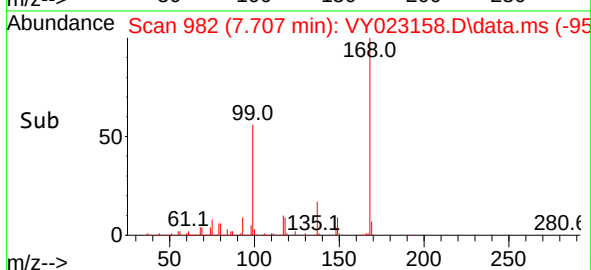
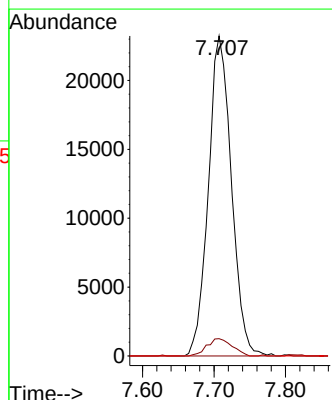
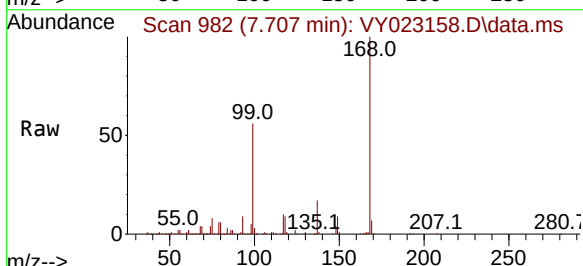
Tgt Ion: 117 Resp: 52053

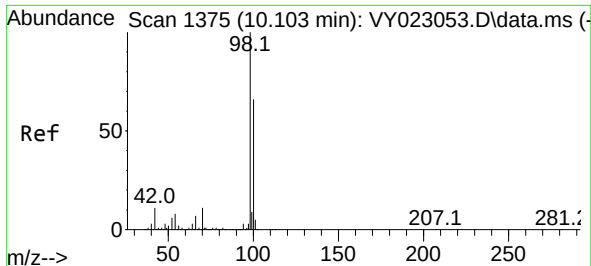
Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

121 0.0 25.8 38.8#

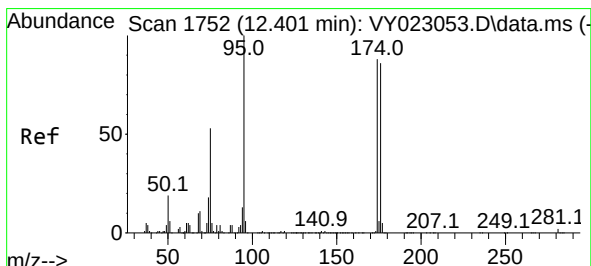
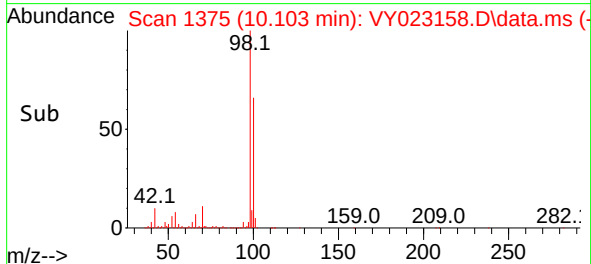
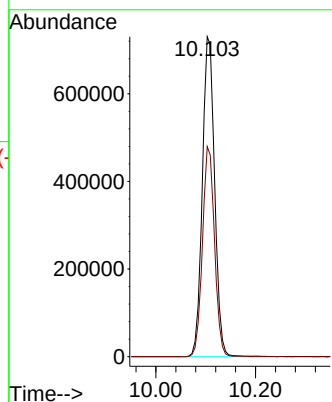
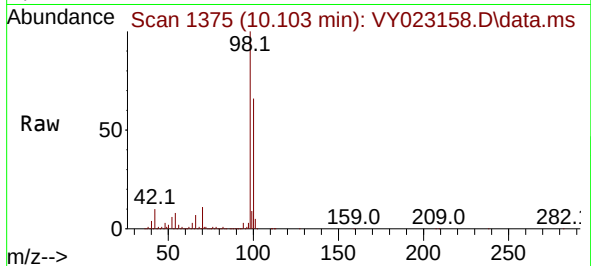




#50
Toluene-d8
Concen: 52.255 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

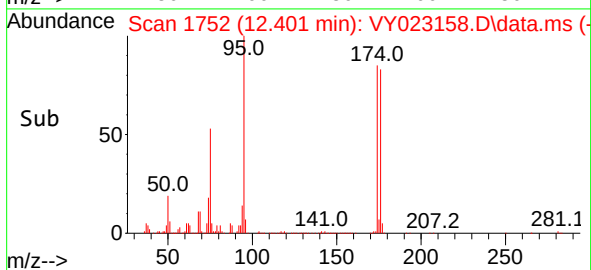
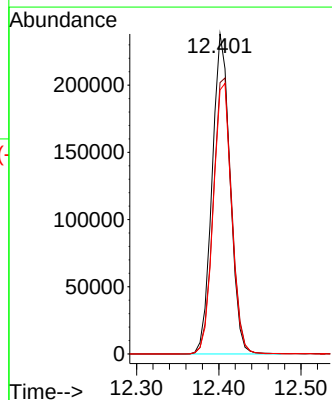
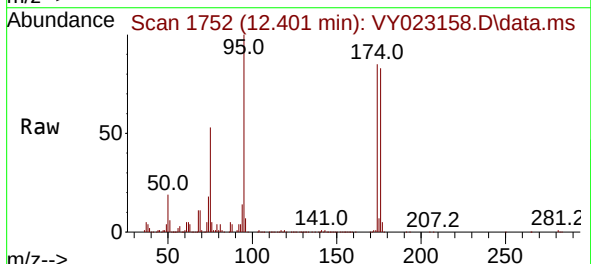
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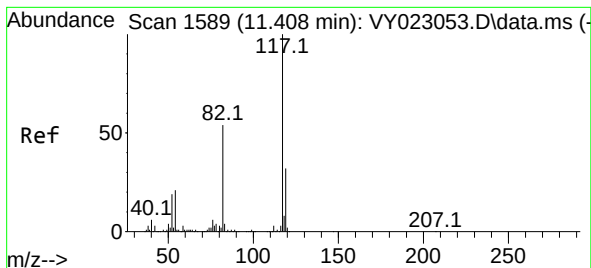
Tgt Ion: 98 Resp: 1247052
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.115 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion: 95 Resp: 361605
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 86.2 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: VY023158.D

Acq: 19 Aug 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-081525

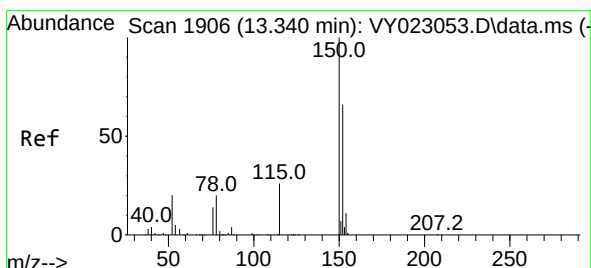
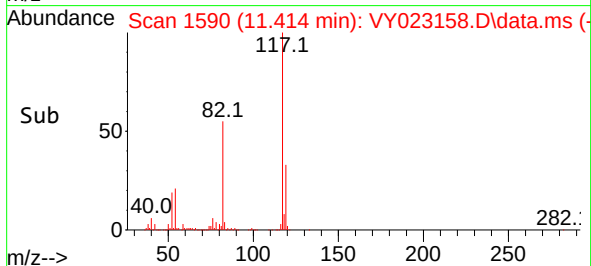
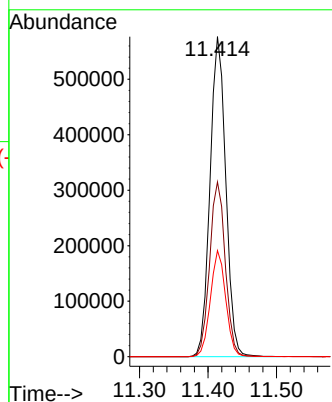
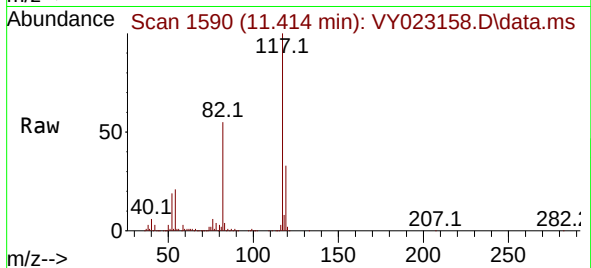
Tgt Ion:117 Resp: 921939

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 33.1 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: VY023158.D

Acq: 19 Aug 2025 17:59

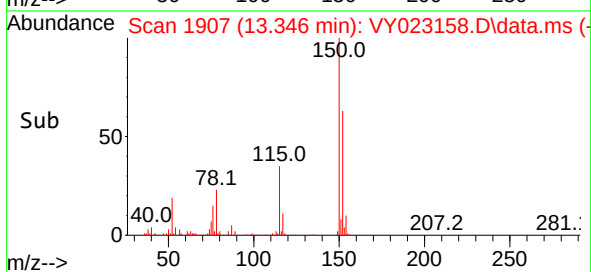
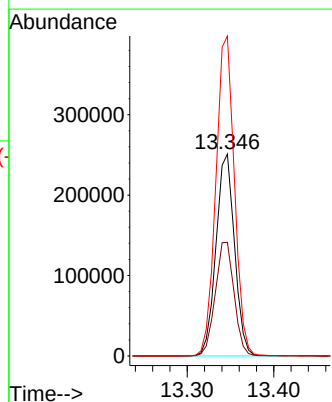
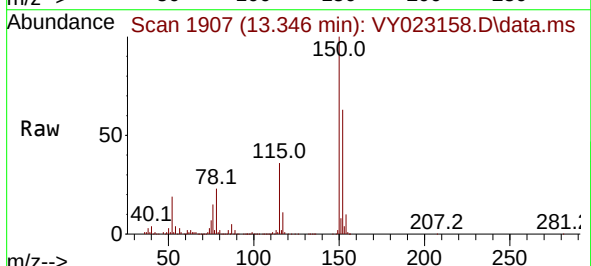
Tgt Ion:152 Resp: 373732

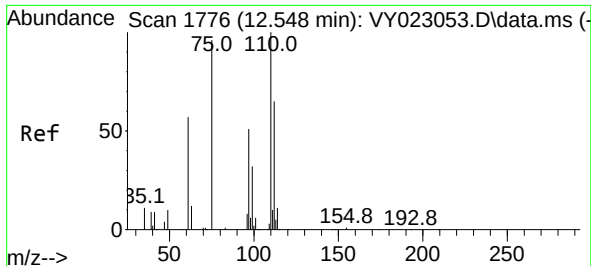
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 158.7 0.0 348.0

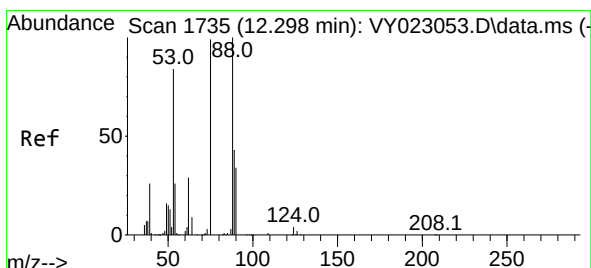
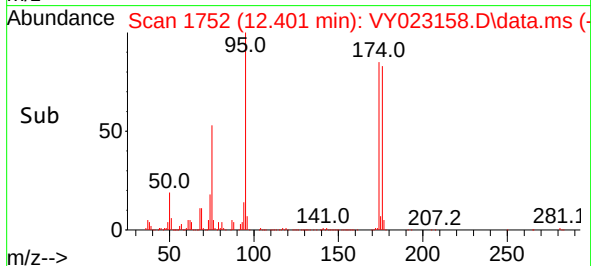
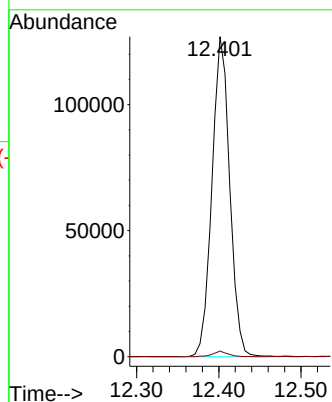
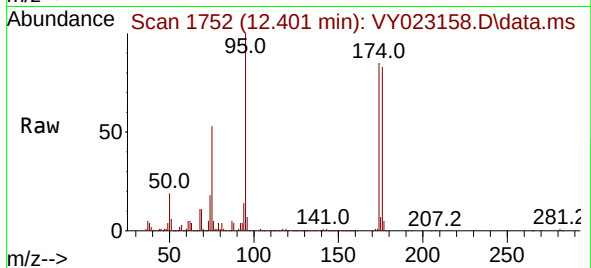




#76
1,2,3-Trichloropropane
Concen: 52.811 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
PL-02-081525

Tgt Ion: 75 Resp: 190483
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.838 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion: 75 Resp: 190483
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

