

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023342.D
 Acq On : 11 Sep 2025 12:10
 Operator : SY/MD
 Sample : Q3075-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0254

Quant Time: Sep 12 01:25:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

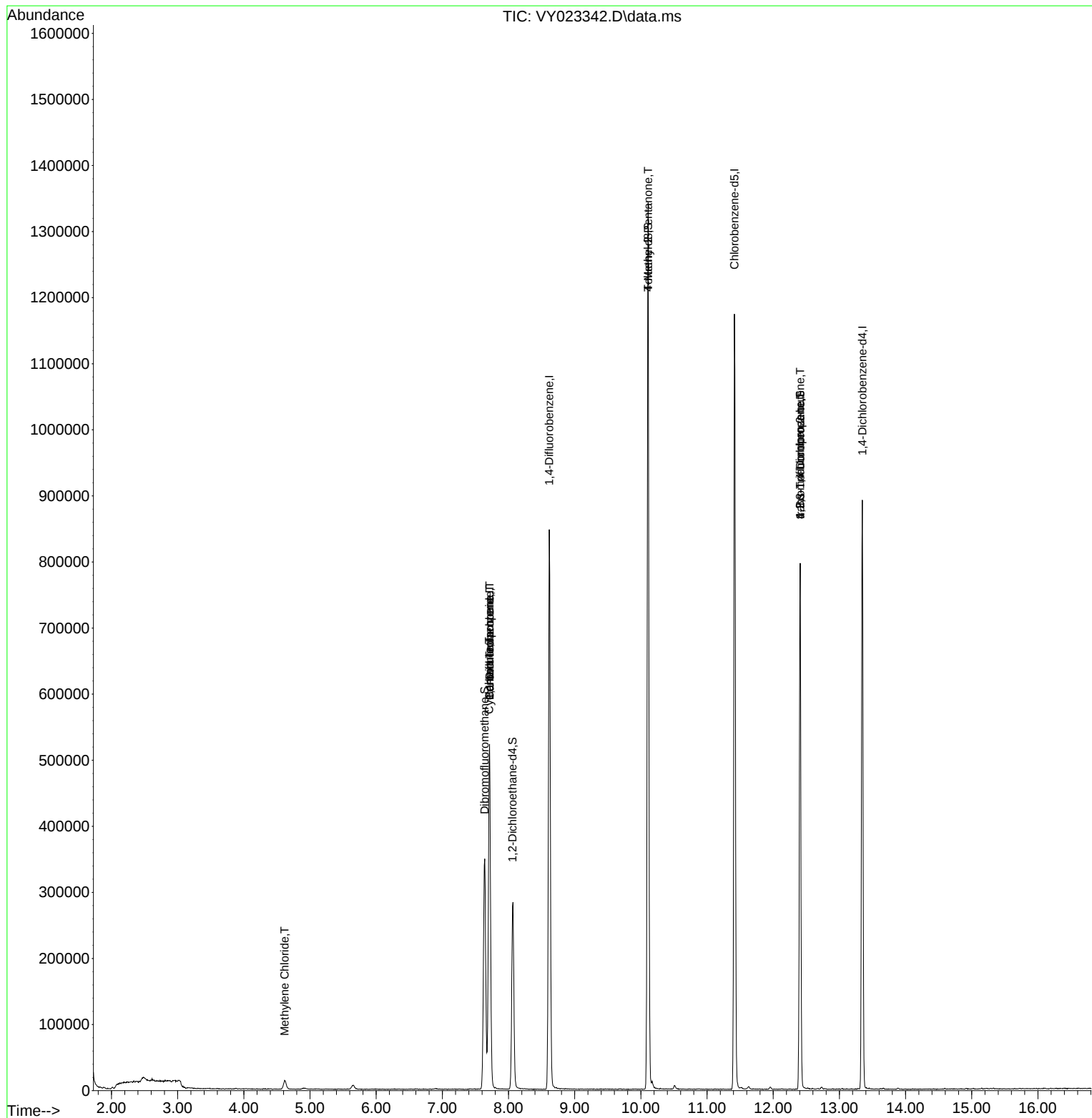
Internal Standards						
1) Pentafluorobenzene	7.713	168	423245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	749700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	648672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	220610	59.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.640%	
35) Dibromofluoromethane	7.640	113	254339	55.500	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.000%	
50) Toluene-d8	10.109	98	883018	51.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.408	95	236709	43.468	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.940%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.616	84	9737	2.148	ug/l	94
31) Cyclohexane	7.707	56	7468	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	30003	4.597	ug/l #	49
38) Carbon Tetrachloride	7.713	117	40336	5.371	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	3723	1.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	119658	48.801	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	119658	133.085	ug/l #	14

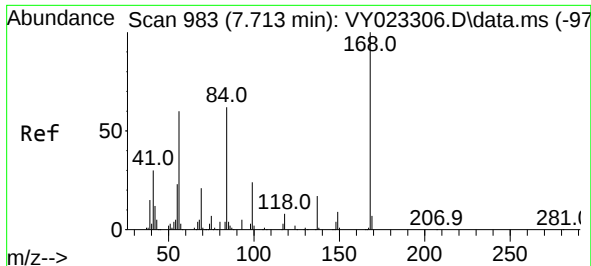
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MOO-25-0254

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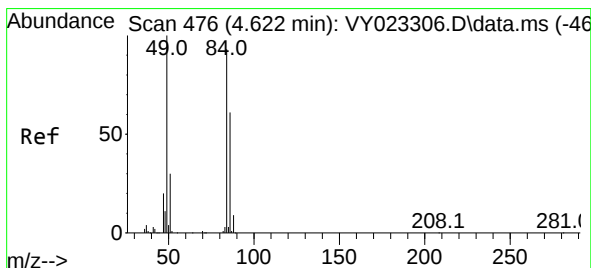
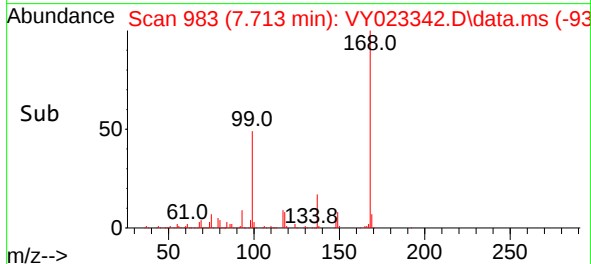
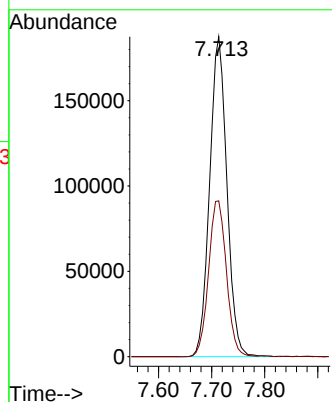
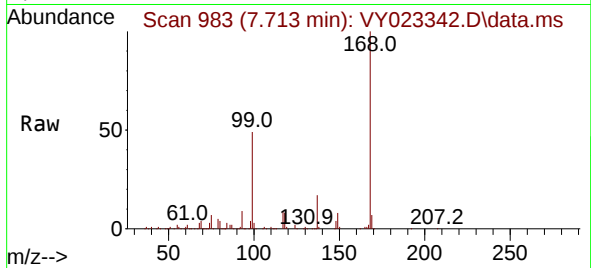




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

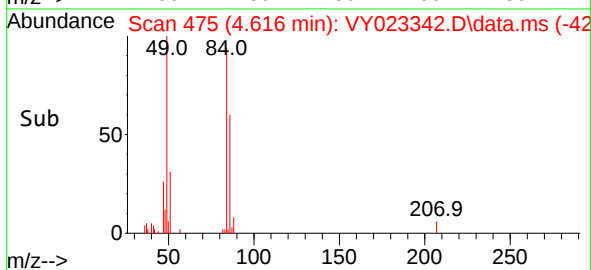
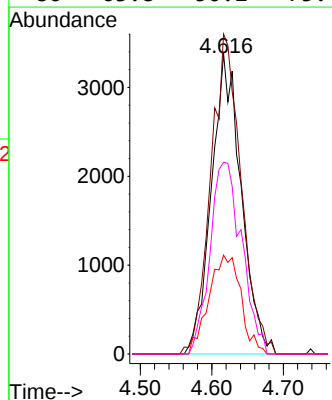
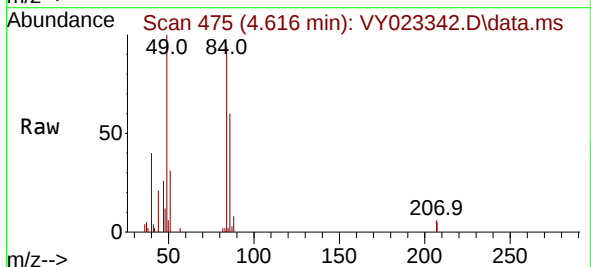
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

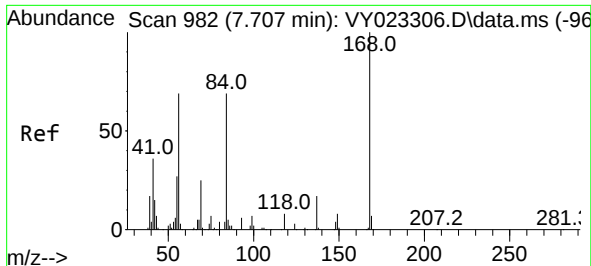
Tgt Ion:168 Resp: 423245
Ion Ratio Lower Upper
168 100
99 48.7 42.8 64.2



#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion: 84 Resp: 9737
Ion Ratio Lower Upper
84 100
49 106.5 93.0 139.6
51 32.9 29.0 43.4
86 63.8 50.2 75.4

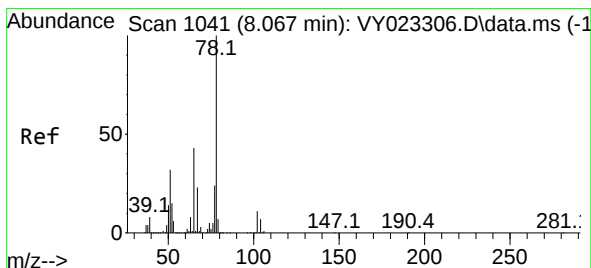
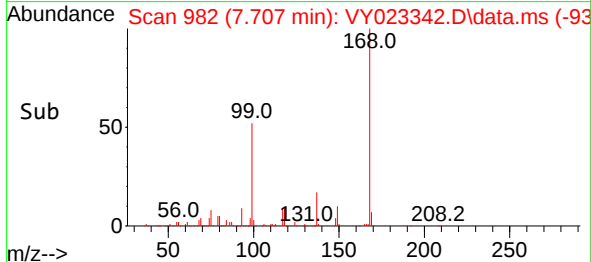
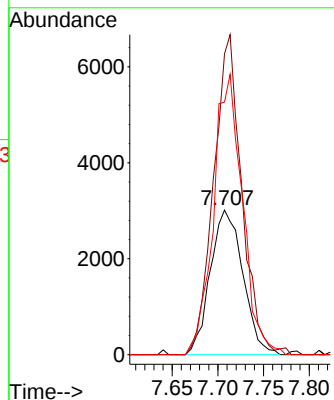
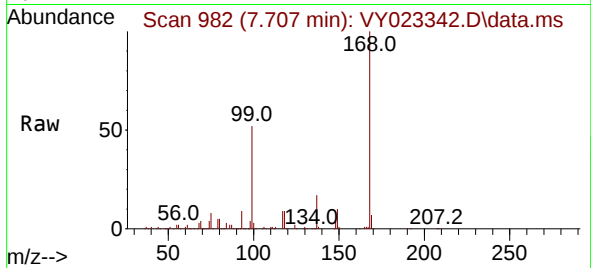




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

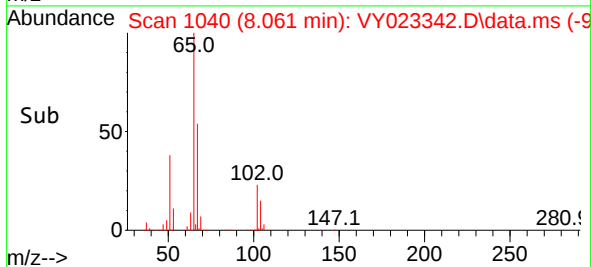
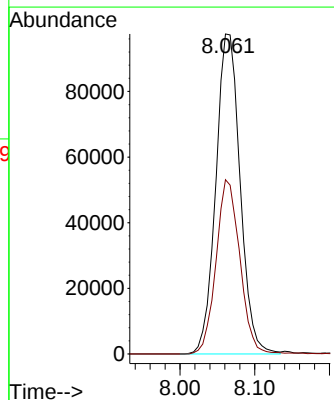
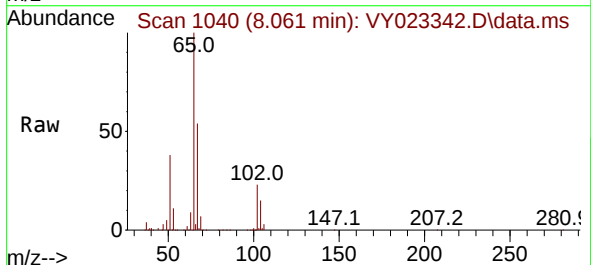
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

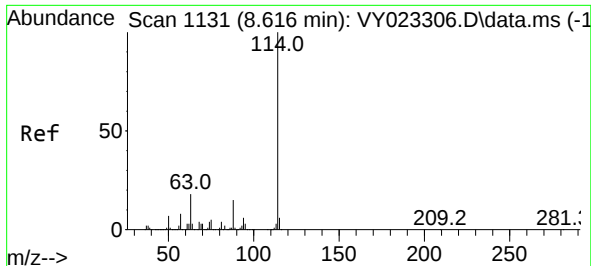
Tgt Ion: 56 Resp: 7468
Ion Ratio Lower Upper
56 100
69 208.0 28.2 42.2#
84 174.7 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 59.318 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion: 65 Resp: 220610
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

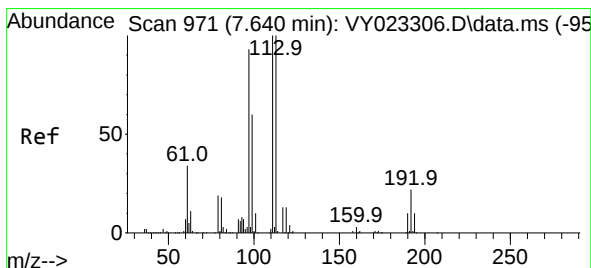
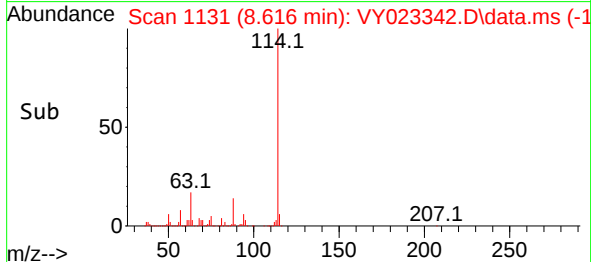
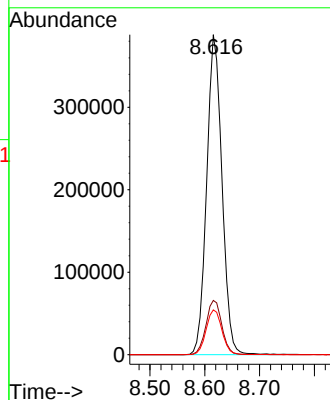
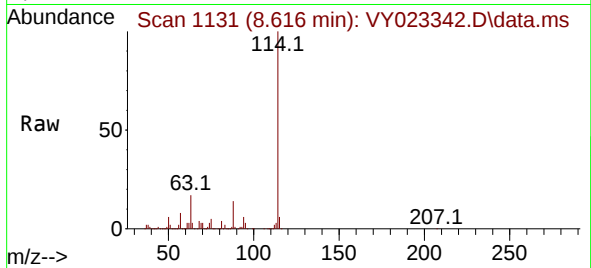




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

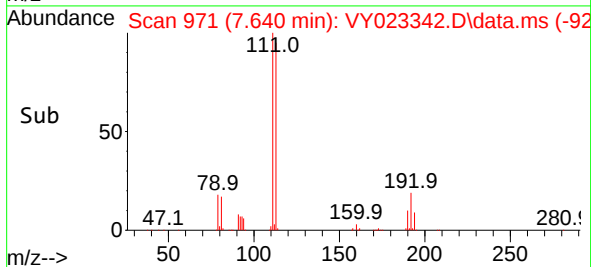
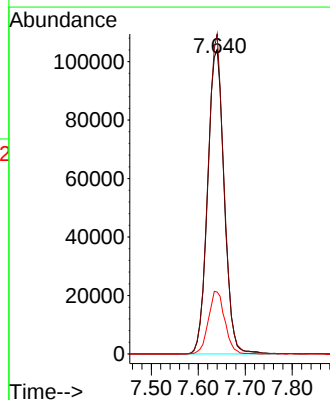
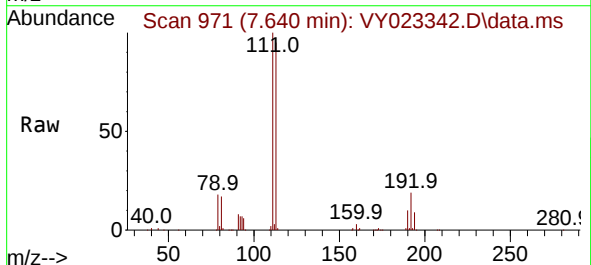
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

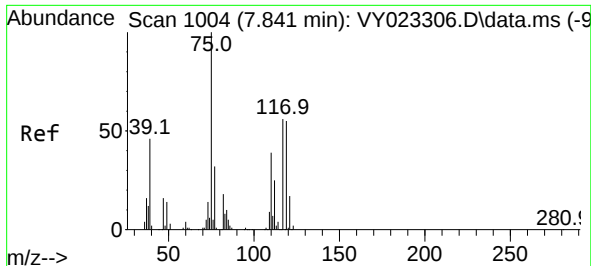
Tgt Ion:114 Resp: 749700
Ion Ratio Lower Upper
114 100
63 17.0 0.0 38.4
88 14.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.500 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion:113 Resp: 254339
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 20.4 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.597 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023342.D

Acq: 11 Sep 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0254

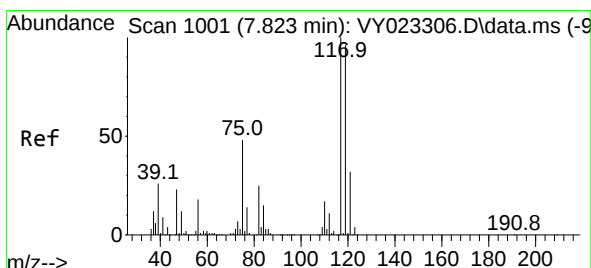
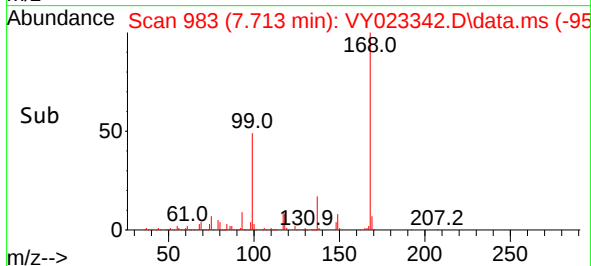
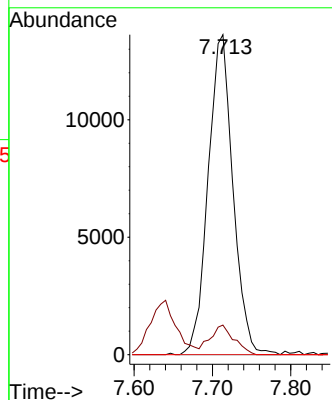
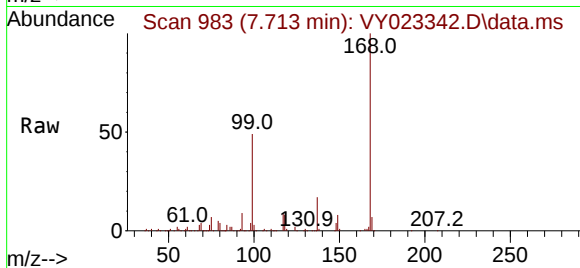
Tgt Ion: 75 Resp: 30003

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023342.D

Acq: 11 Sep 2025 12:10

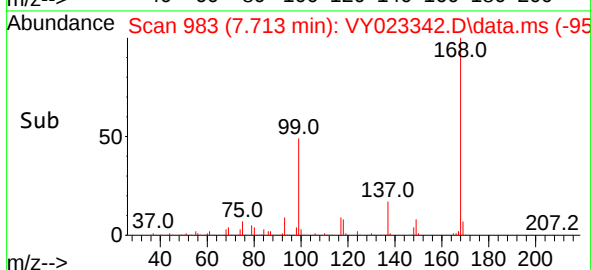
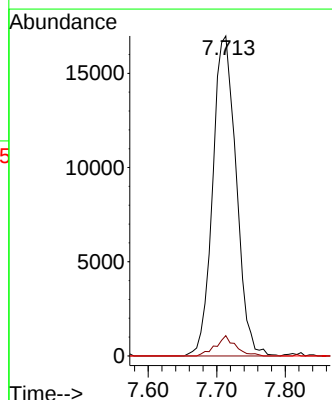
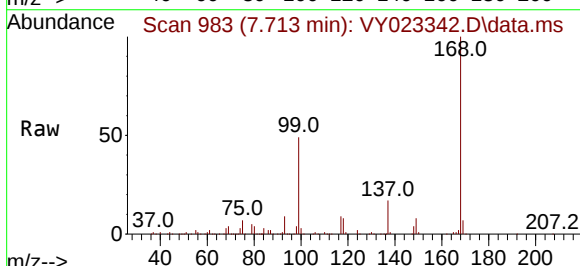
Tgt Ion: 117 Resp: 40336

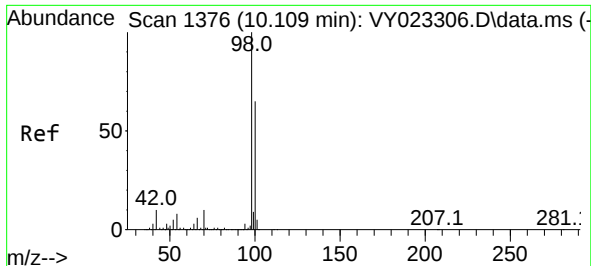
Ion Ratio Lower Upper

117 100

119 6.3 75.6 113.4#

121 0.0 25.8 38.8#

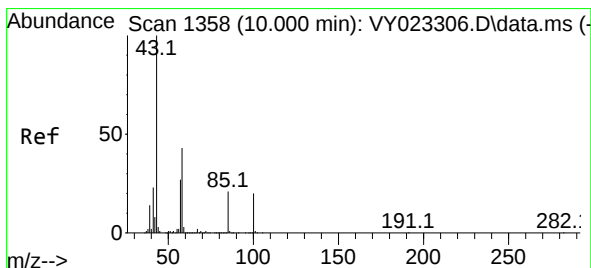
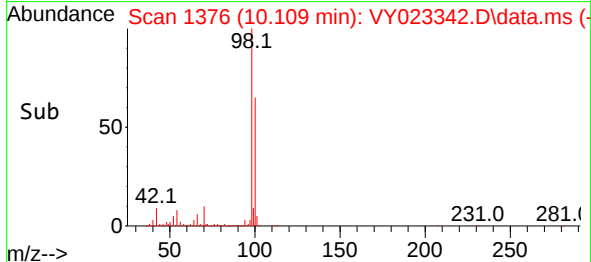
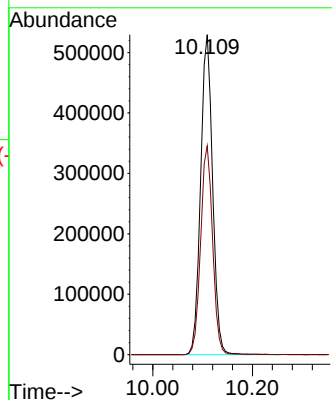
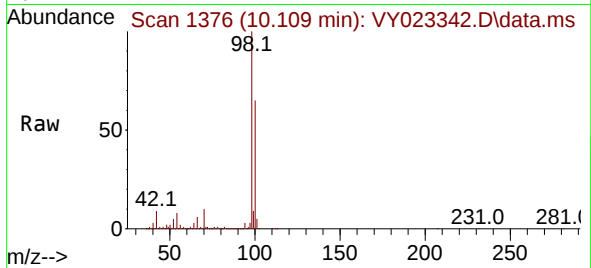




#50
Toluene-d8
Concen: 51.029 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

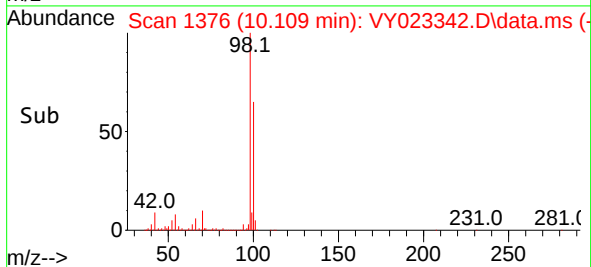
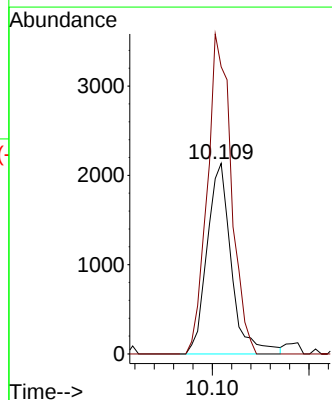
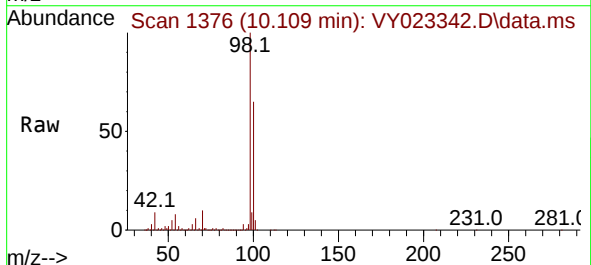
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

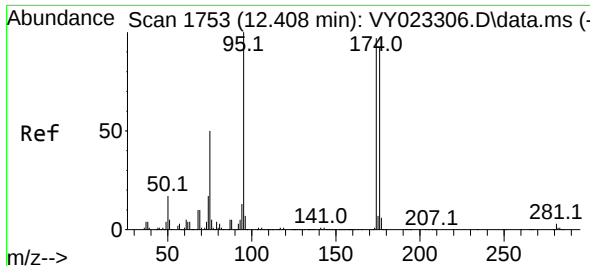
Tgt Ion: 98 Resp: 883018
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.441 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion: 43 Resp: 3723
Ion Ratio Lower Upper
43 100
58 166.2 33.5 50.3#

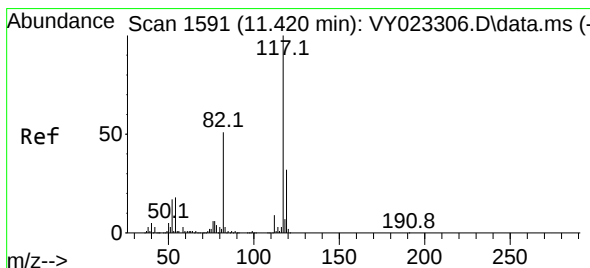
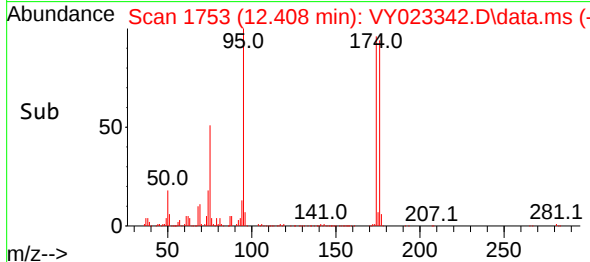
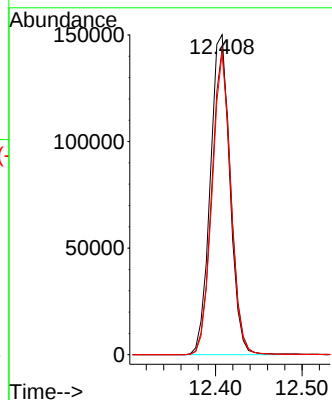
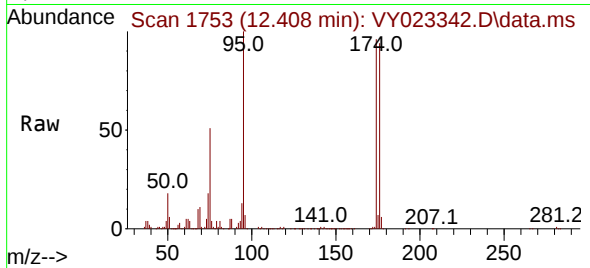




#62
4-Bromofluorobenzene
Concen: 43.468 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

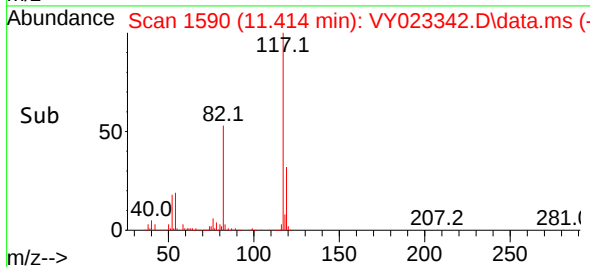
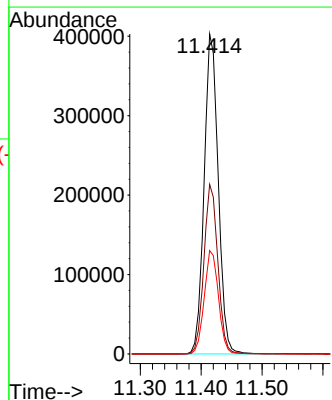
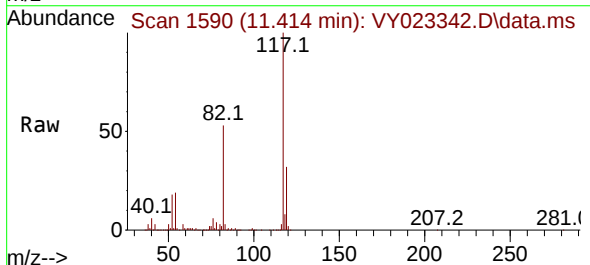
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MOO-25-0254

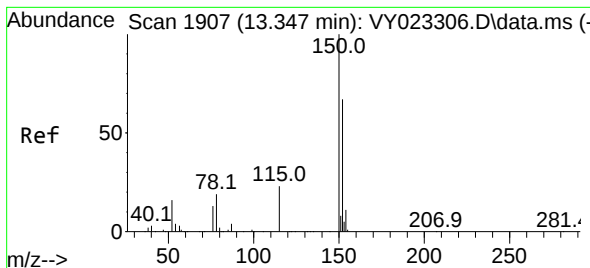
Tgt Ion: 95 Resp: 236709
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.6
176 89.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion: 117 Resp: 648672
Ion Ratio Lower Upper
117 100
82 53.0 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: VY023342.D

Acq: 11 Sep 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0254

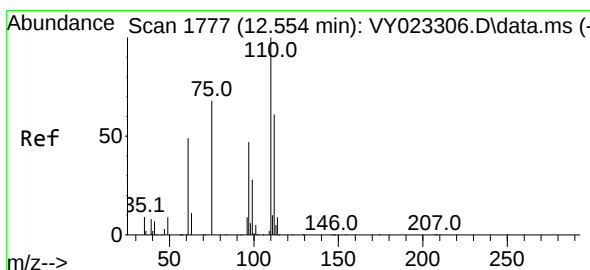
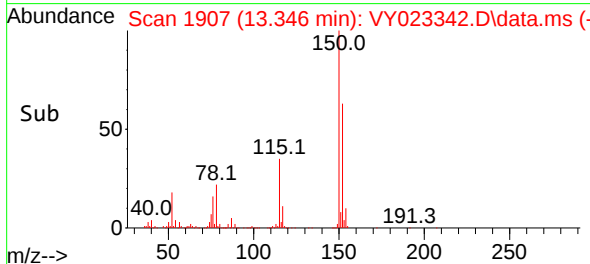
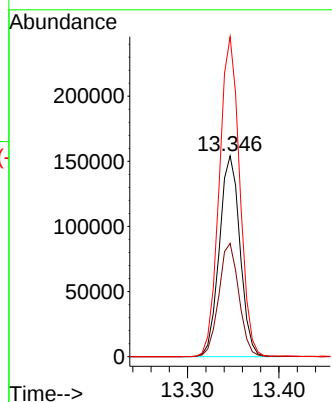
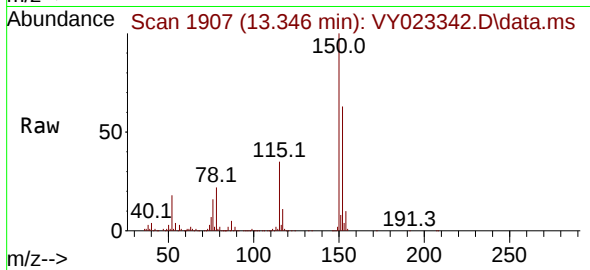
Tgt Ion:152 Resp: 242124

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 157.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 48.801 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023342.D

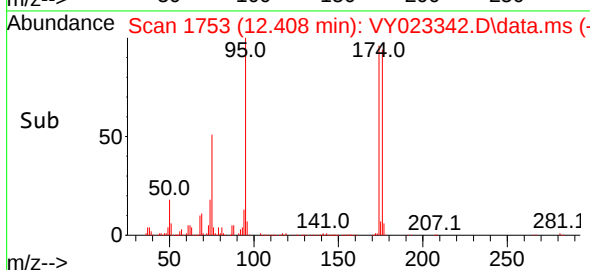
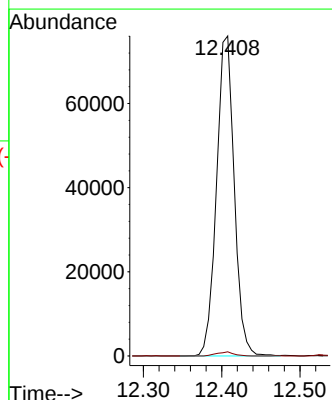
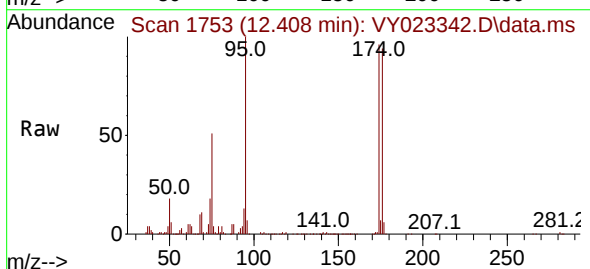
Acq: 11 Sep 2025 12:10

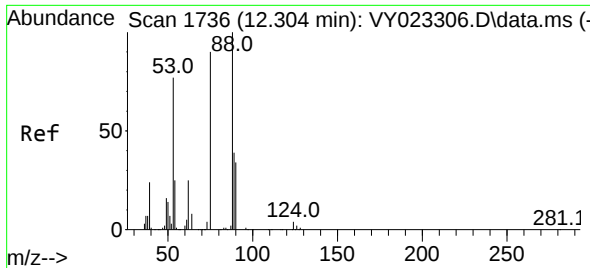
Tgt Ion: 75 Resp: 119658

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.085 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023342.D
 Acq: 11 Sep 2025 12:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0254

Tgt Ion: 75 Resp: 119658
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.1 38.1 57.1#

