

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022554.D
 Acq On : 04 Jun 2025 16:34
 Operator : SY/MD
 Sample : Q2177-02
 Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-187-SB01

Quant Time: Jun 05 04:18:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

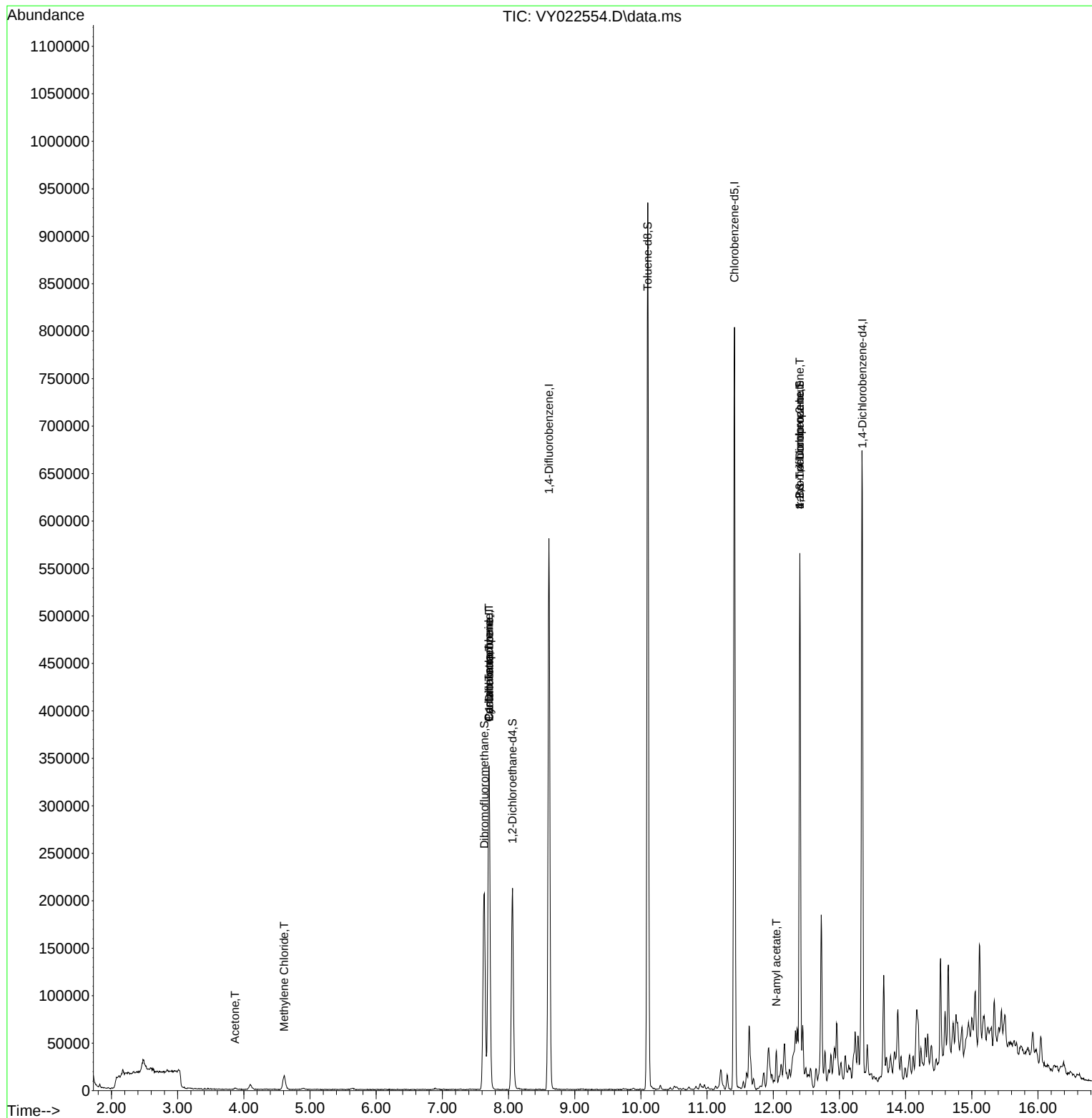
Internal Standards						
1) Pentafluorobenzene	7.707	168	261314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	474753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152512	52.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.360%	
35) Dibromofluoromethane	7.634	113	144981	51.163	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.320%	
50) Toluene-d8	10.103	98	570663	49.840	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	12.401	95	146159	42.843	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.680%	
Target Compounds						Qvalue
16) Acetone	3.866	43	1815	3.058	ug/l #	84
20) Methylene Chloride	4.610	84	9896	2.935	ug/l	98
31) Cyclohexane	7.707	56	7090	1.262	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	23131	5.029	ug/l #	51
38) Carbon Tetrachloride	7.701	117	27121	5.748	ug/l #	16
74) N-amyl acetate	12.048	43	7251	2.421	ug/l #	61
76) 1,2,3-Trichloropropane	12.401	75	89084	53.861	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	89084	130.070	ug/l #	11

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

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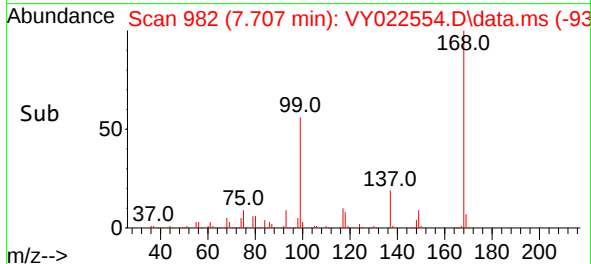
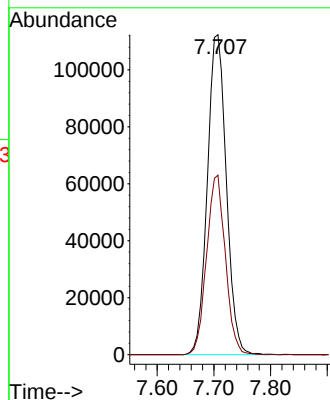
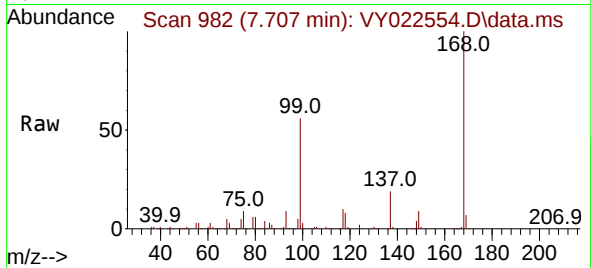




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

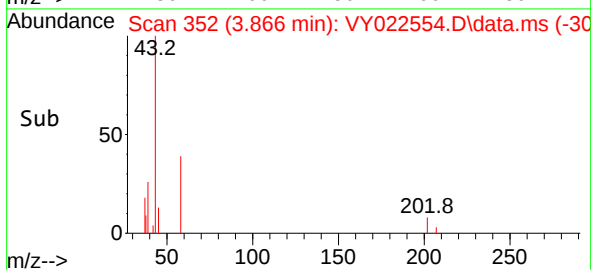
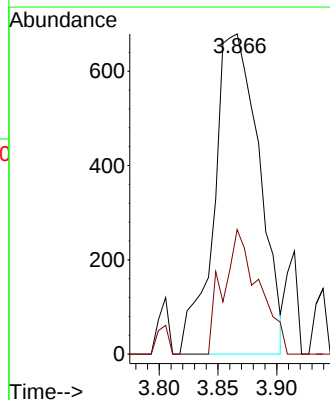
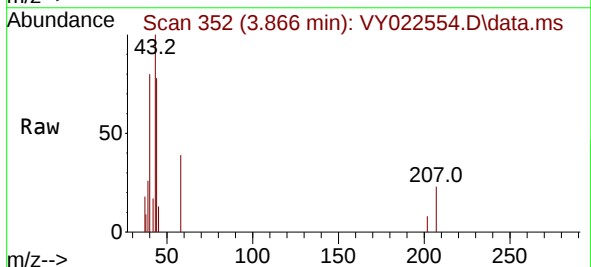
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

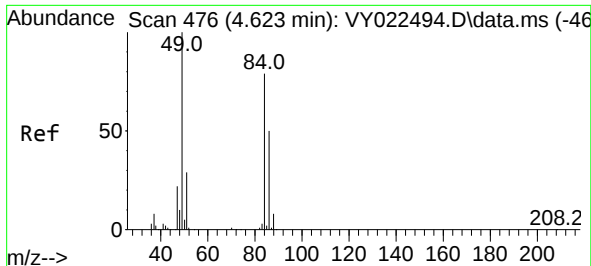
Tgt Ion:168 Resp: 261314
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#16
Acetone
Concen: 3.058 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 38.9 24.0 36.0#

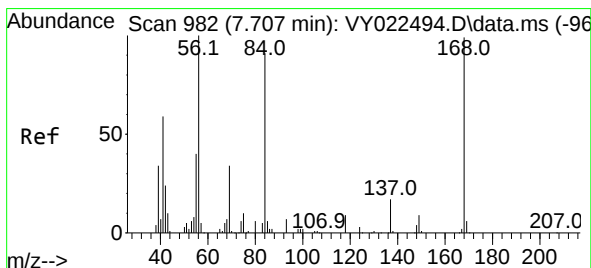
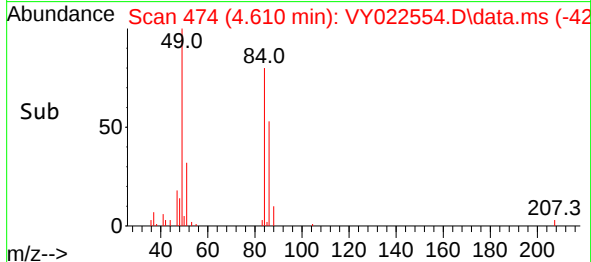
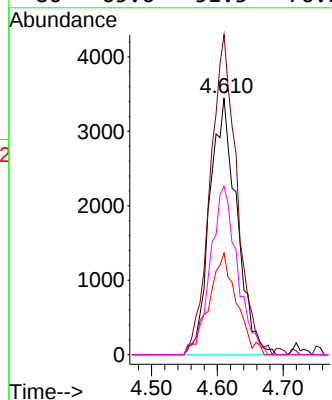
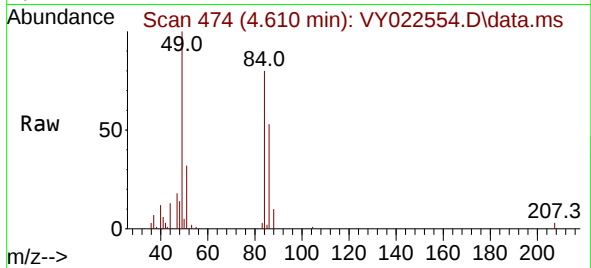




#20
Methylene Chloride
Concen: 2.935 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

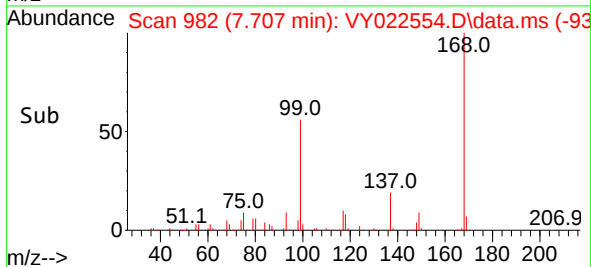
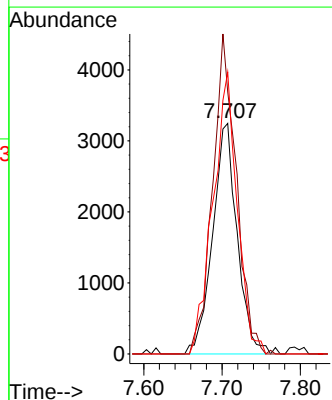
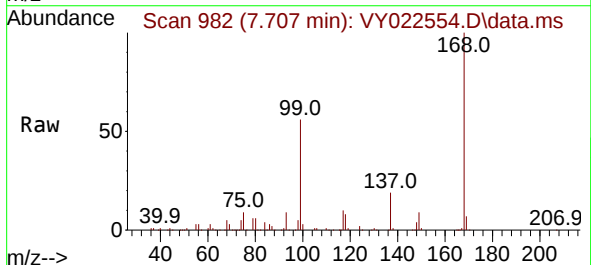
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

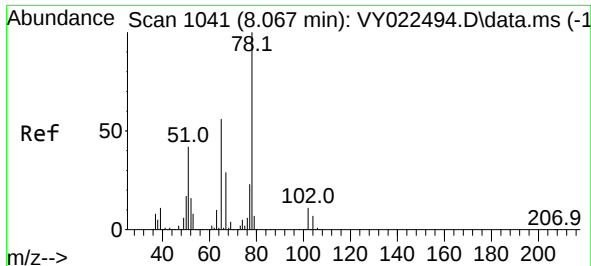
Tgt Ion:	84	Resp:	9896
Ion	Ratio	Lower	Upper
84	100		
49	124.6	101.9	152.9
51	39.6	29.8	44.8
86	65.6	51.3	76.9



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:	56	Resp:	7090
Ion	Ratio	Lower	Upper
56	100		
69	113.6	27.0	40.6#
84	122.3	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 52.183 ug/l

RT: 8.061 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022554.D

Acq: 04 Jun 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

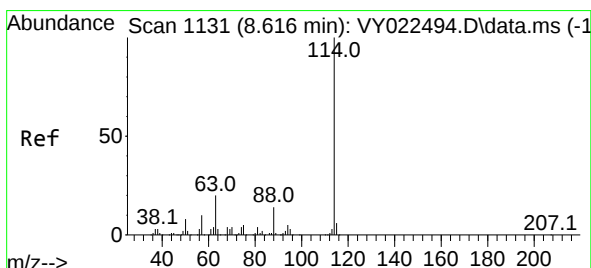
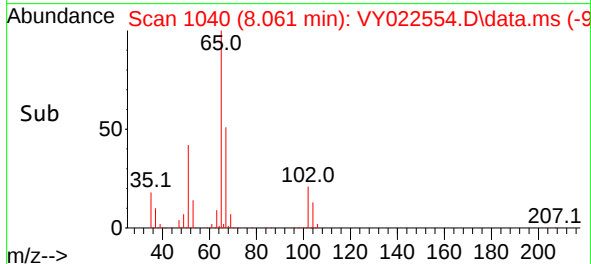
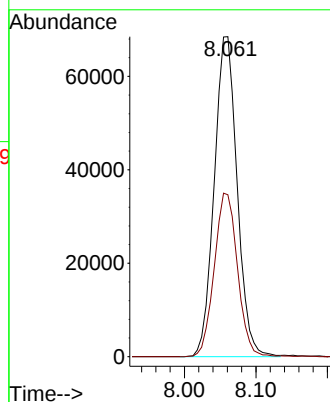
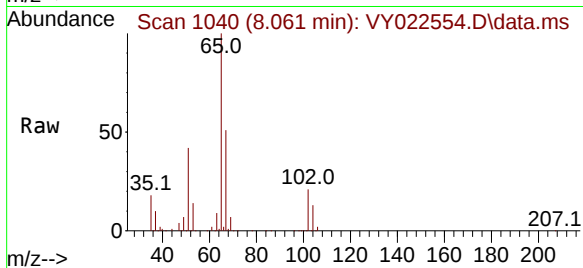
B-187-SB01

Tgt Ion: 65 Resp: 152512

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022554.D

Acq: 04 Jun 2025 16:34

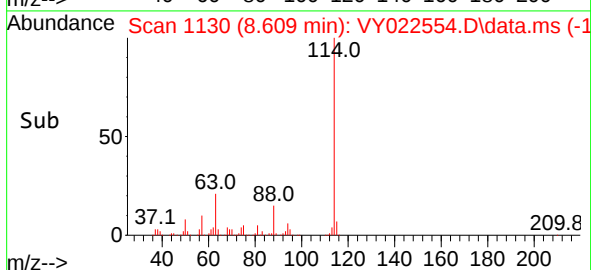
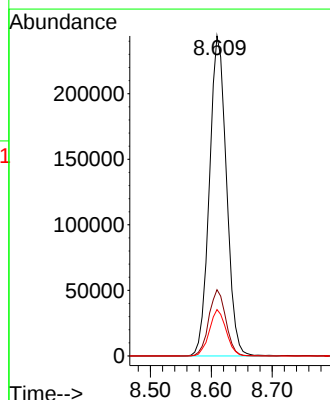
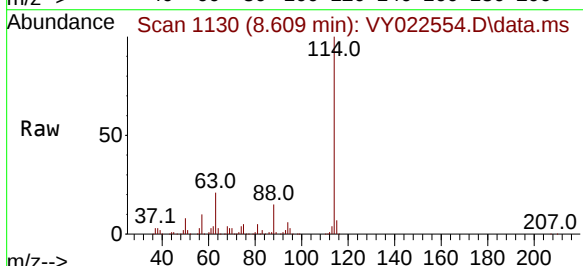
Tgt Ion: 114 Resp: 474753

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.5 0.0 27.8

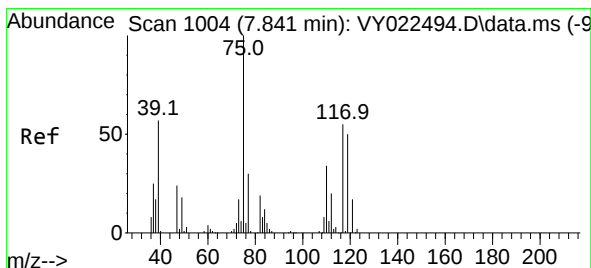
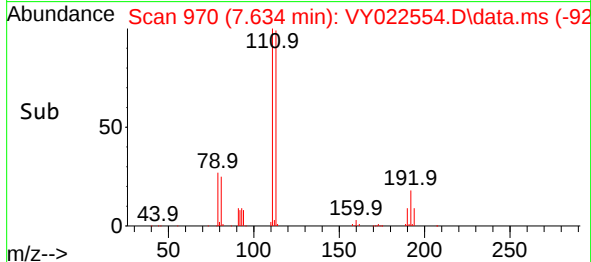
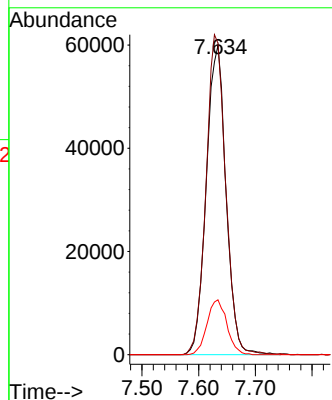
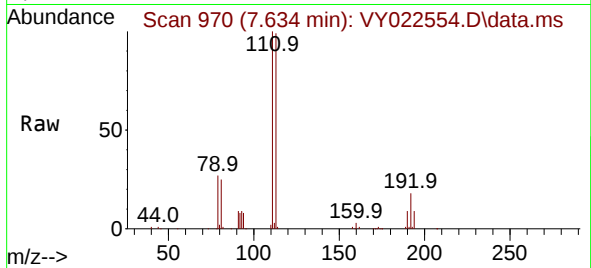




#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

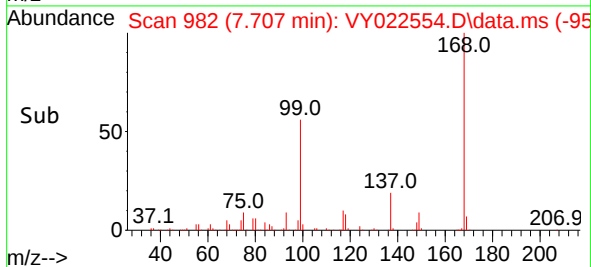
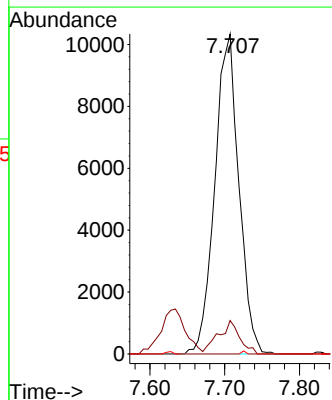
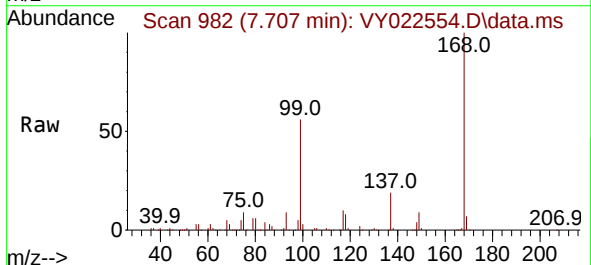
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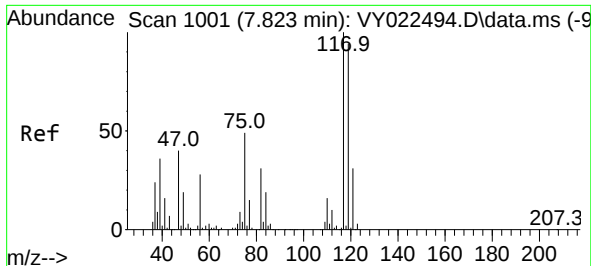
Tgt Ion:113 Resp: 144981
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 75 Resp: 23131
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.2 24.8 37.2#

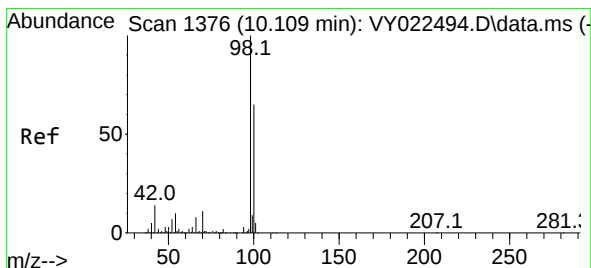
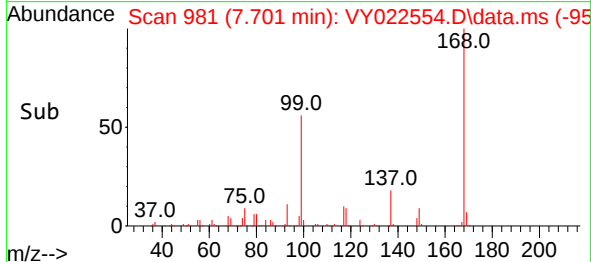
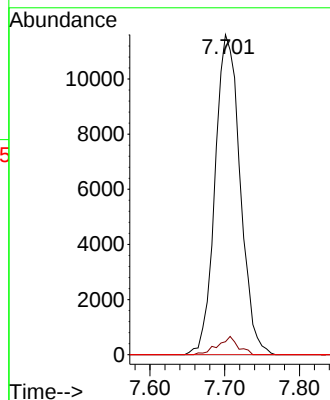
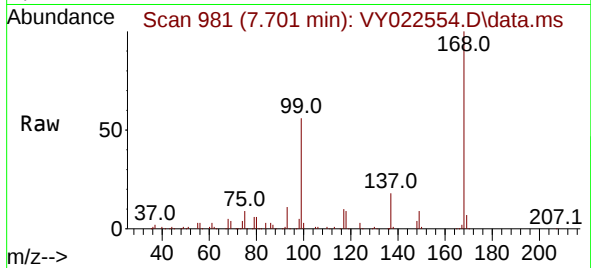




#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

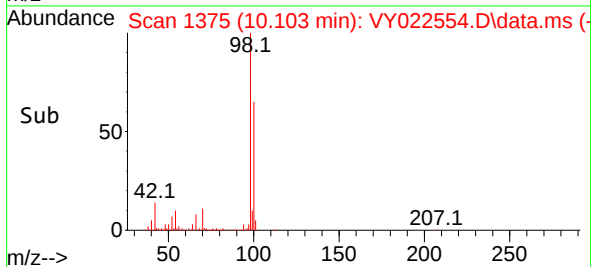
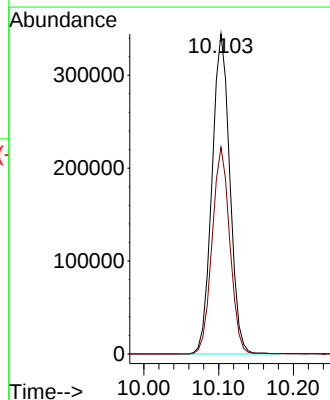
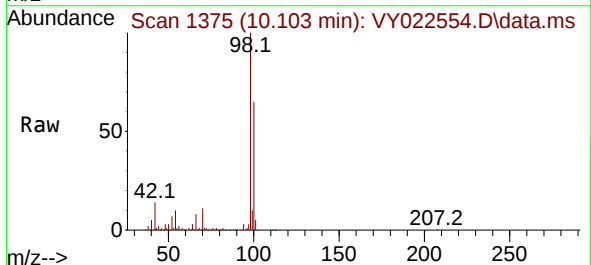
Instrument :
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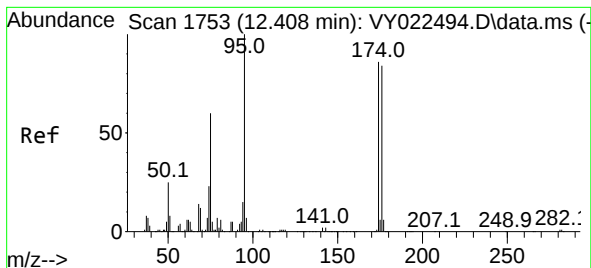
Tgt Ion:117 Resp: 27121
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 98 Resp: 570663
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

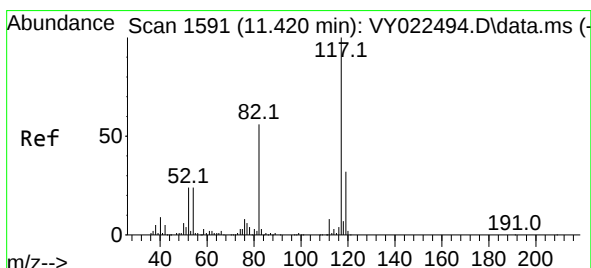
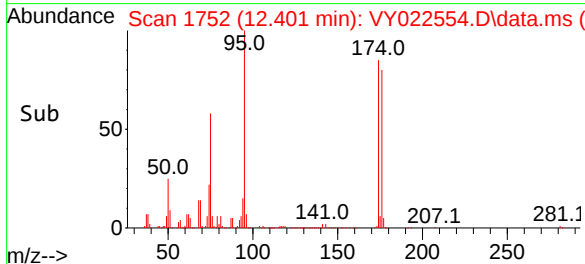
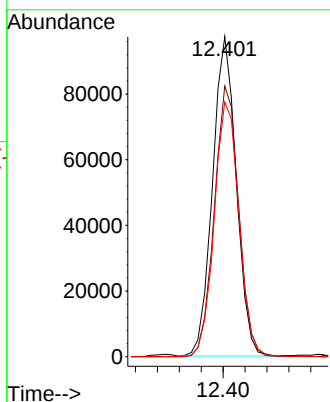
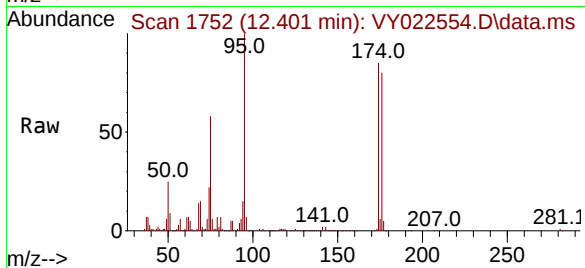




#62
4-Bromofluorobenzene
Concen: 42.843 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

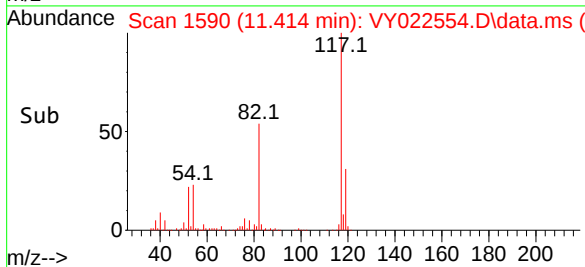
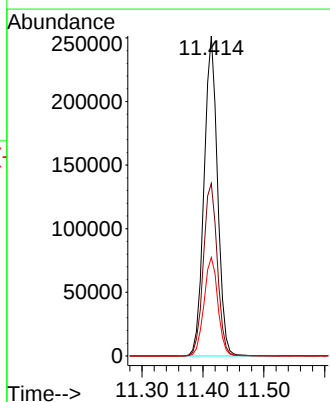
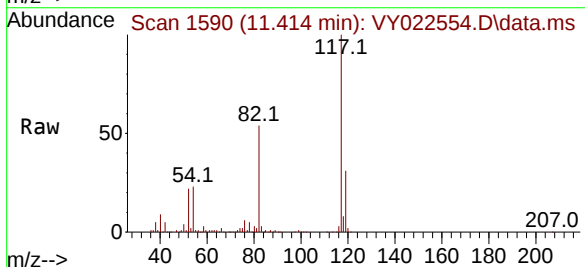
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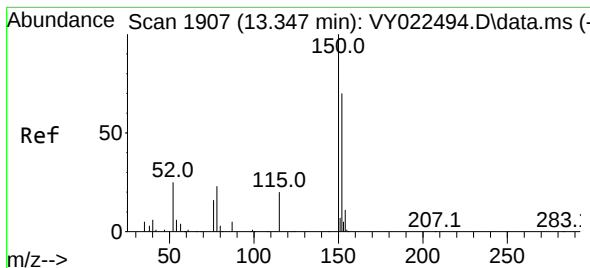
Tgt Ion: 95 Resp: 146159
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 83.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 117 Resp: 386745
Ion Ratio Lower Upper
117 100
82 53.9 44.6 66.8
119 30.8 25.4 38.0

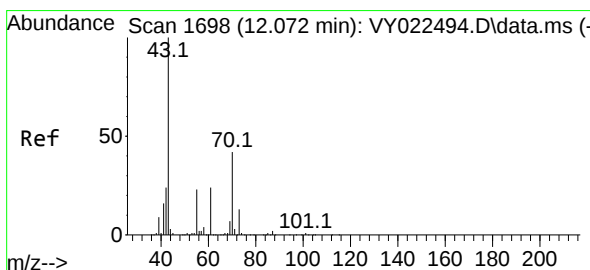
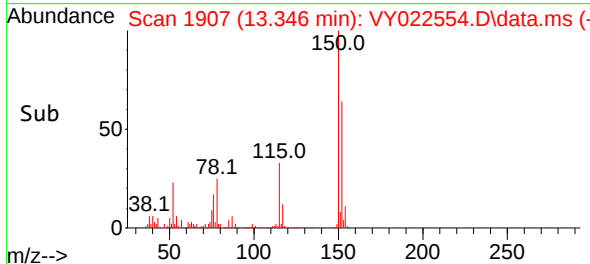
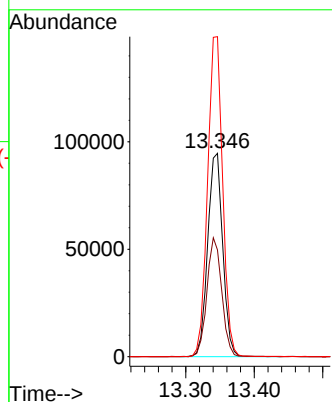
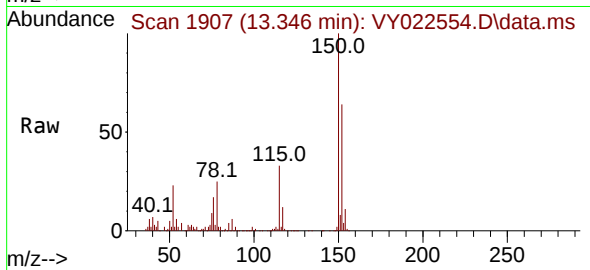




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022554.D
 Acq: 04 Jun 2025 16:34

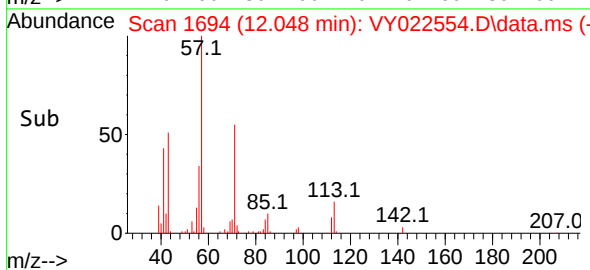
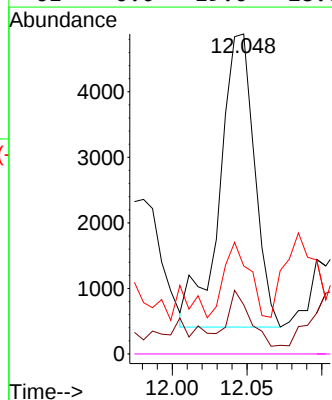
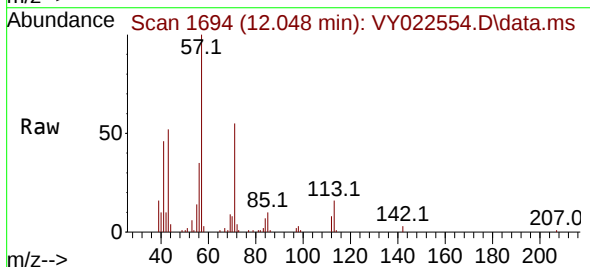
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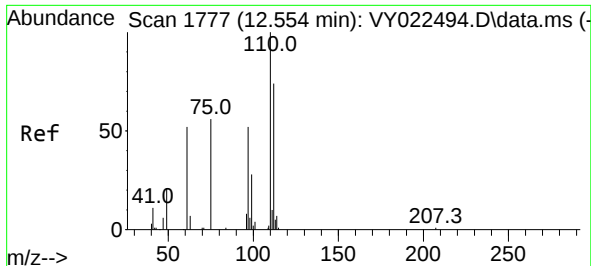
Tgt Ion:152 Resp: 144573
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.9 86.7
 150 157.4 0.0 349.6



#74
 N-ethyl acetate
 Concen: 2.421 ug/l
 RT: 12.048 min Scan# 1694
 Delta R.T. -0.025 min
 Lab File: VY022554.D
 Acq: 04 Jun 2025 16:34

Tgt Ion: 43 Resp: 7251
 Ion Ratio Lower Upper
 43 100
 70 11.5 34.2 51.2#
 55 18.5 18.2 27.4
 61 0.0 19.0 28.6#

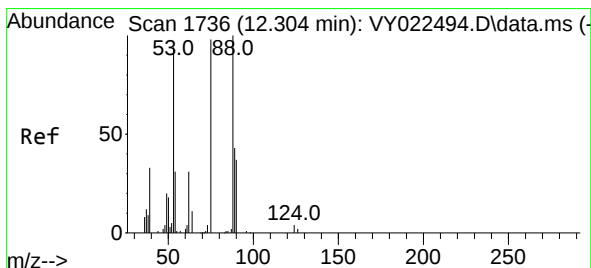
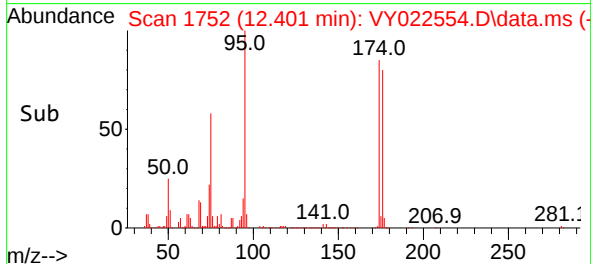
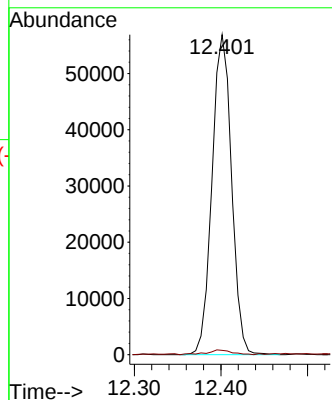
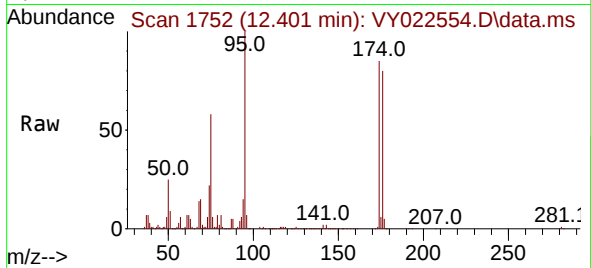




#76
1,2,3-Trichloropropane
Concen: 53.861 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion: 75 Resp: 89084
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.070 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 75 Resp: 89084
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#

