

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022934.D
 Acq On : 03 Jul 2025 11:53
 Operator : SY/MD
 Sample : Q2491-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-070225

Quant Time: Jul 04 03:17:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

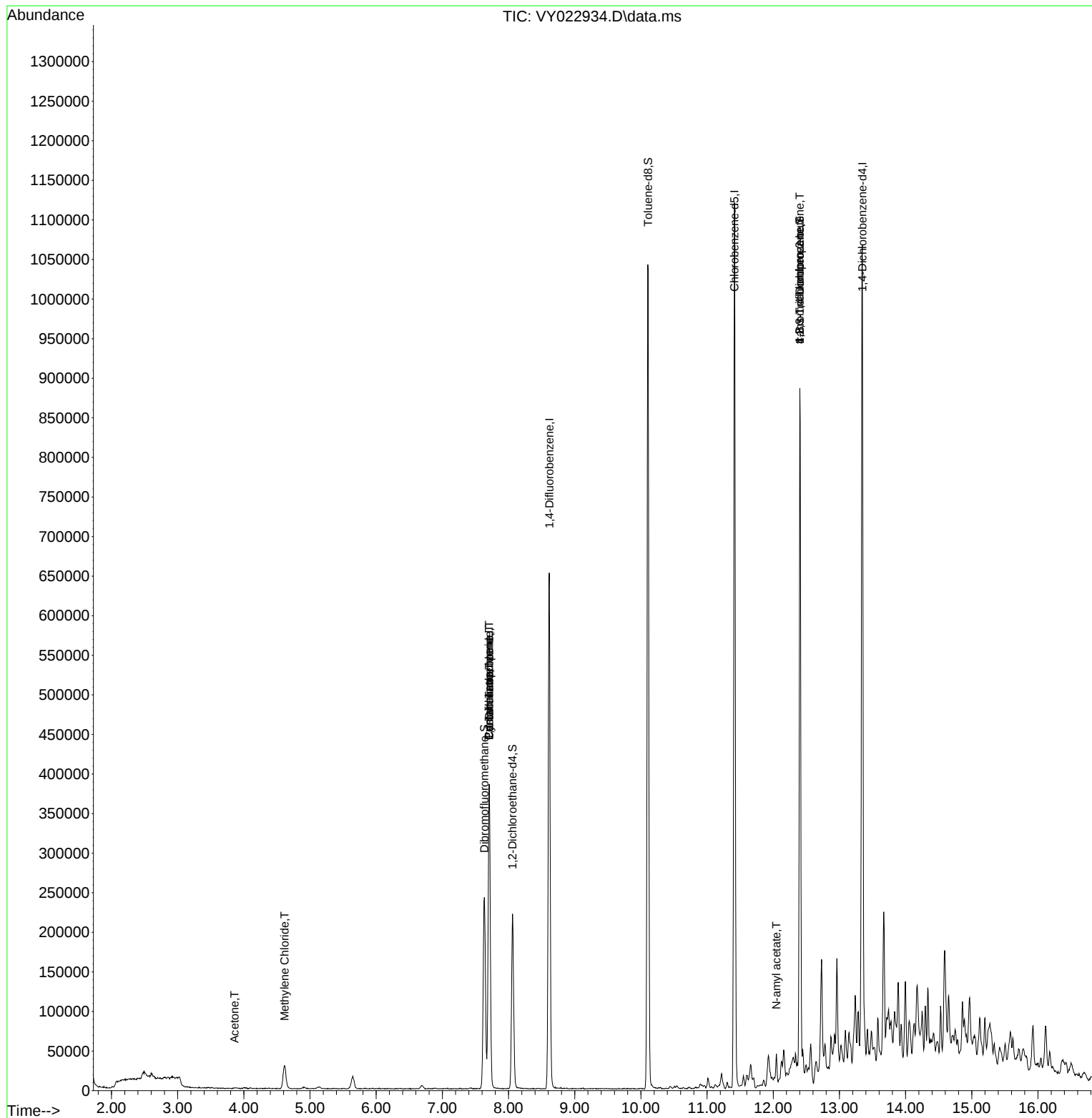
Internal Standards						
1) Pentafluorobenzene	7.707	168	284524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	543195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	551151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171618	54.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.080%	
35) Dibromofluoromethane	7.634	113	173919	52.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.109	98	667187	50.897	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.402	95	251976	59.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.600%	
Target Compounds						
					Qvalue	
16) Acetone	3.861	43	1403	2.338	ug/l #	79
20) Methylene Chloride	4.616	84	21047	5.553	ug/l #	92
31) Cyclohexane	7.707	56	7288	1.336	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	24200	4.833	ug/l #	51
38) Carbon Tetrachloride	7.707	117	29593	5.601	ug/l #	17
74) N-amyl acetate	12.048	43	7258	1.747	ug/l #	66
76) 1,2,3-Trichloropropane	12.402	75	144617	56.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	144617	143.023	ug/l #	11

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

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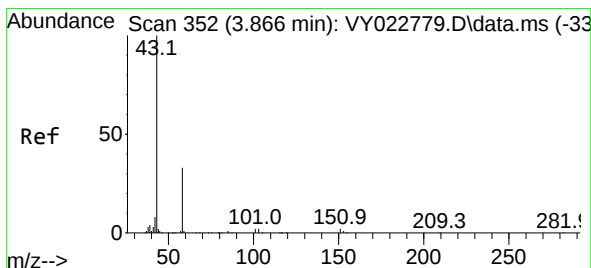
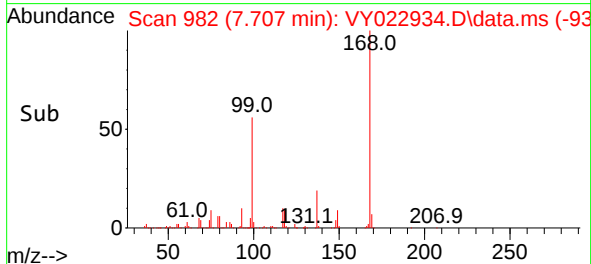
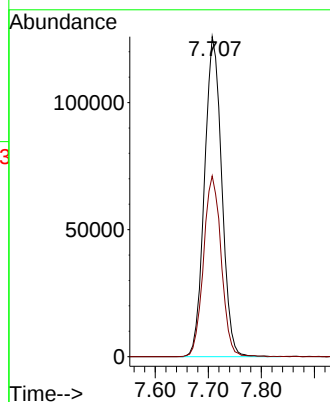
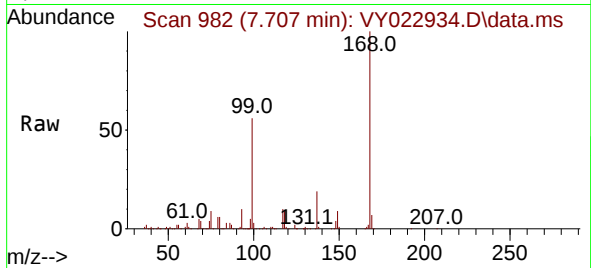




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

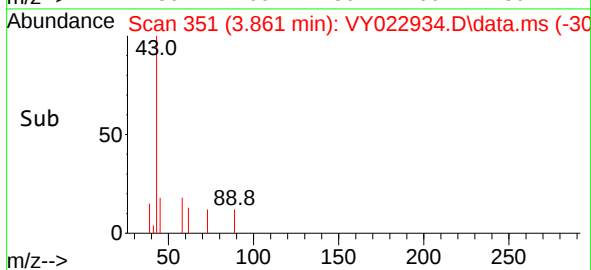
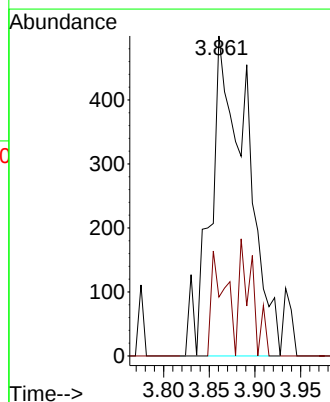
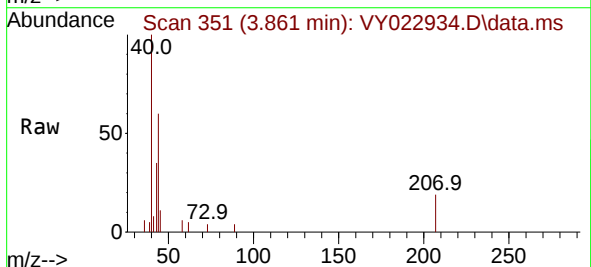
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

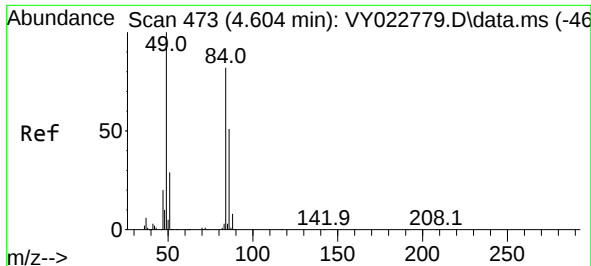
Tgt Ion:168 Resp: 284524
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 2.338 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 18.4 24.0 36.0#

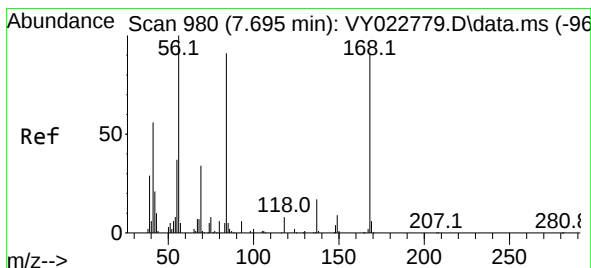
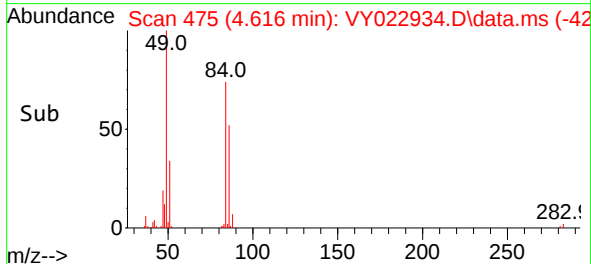
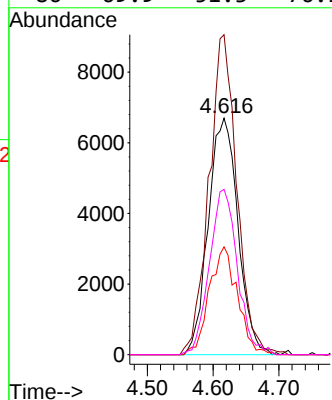
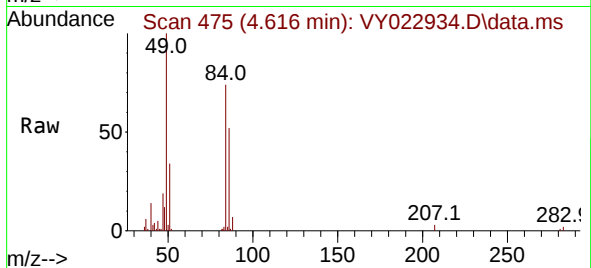




#20
Methylene Chloride
Concen: 5.553 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

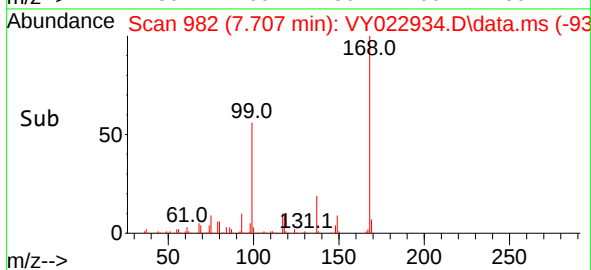
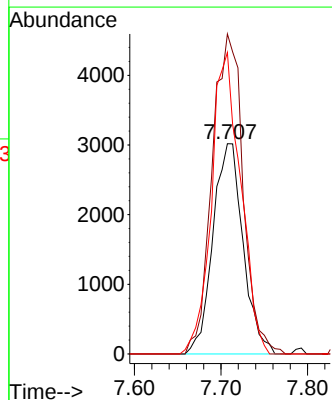
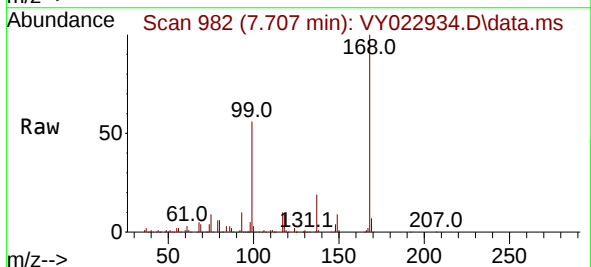
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

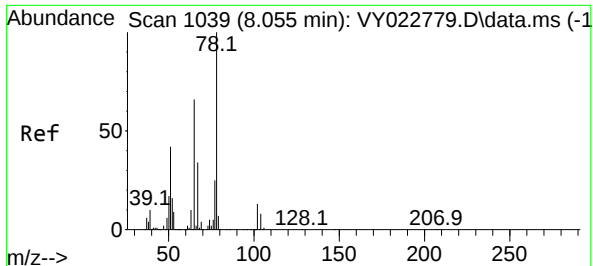
Tgt Ion:	84	Resp:	21047
Ion	Ratio	Lower	Upper
84	100		
49	135.3	101.9	152.9
51	45.6	29.8	44.8#
86	69.9	51.3	76.9



#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion:	56	Resp:	7288
Ion	Ratio	Lower	Upper
56	100		
69	152.2	27.0	40.6#
84	143.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.043 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

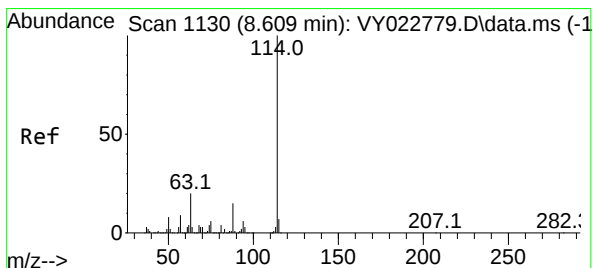
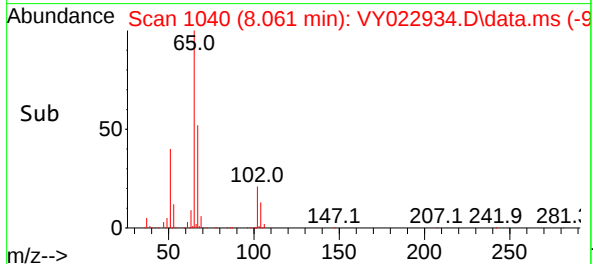
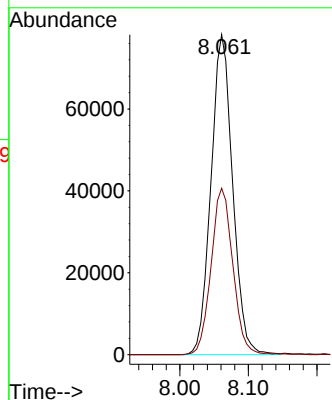
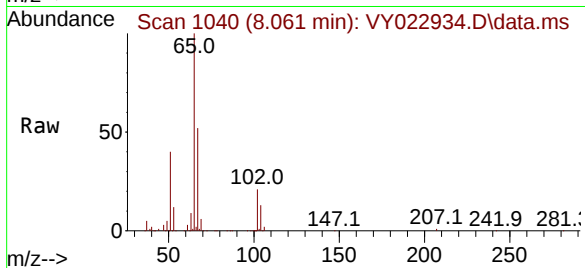
EO-1-070225

Tgt Ion: 65 Resp: 171618

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

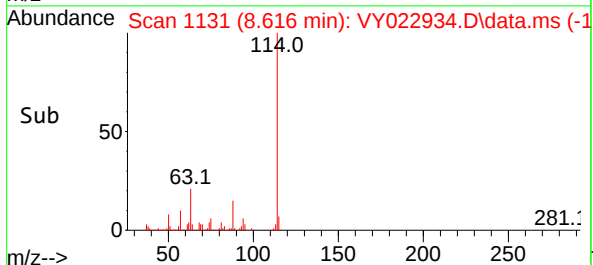
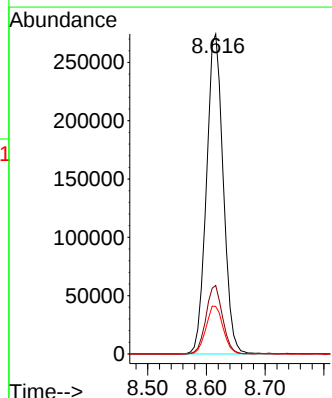
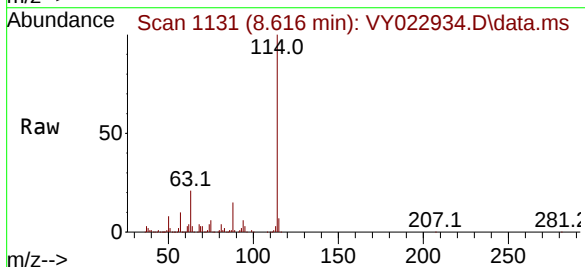
Tgt Ion: 114 Resp: 543195

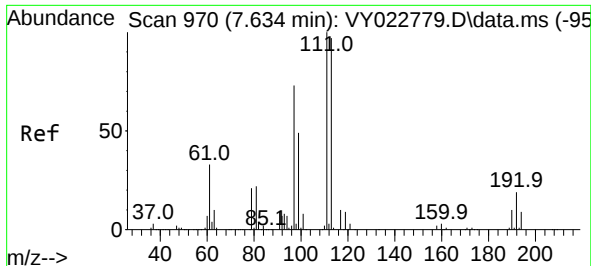
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 14.9 0.0 27.8

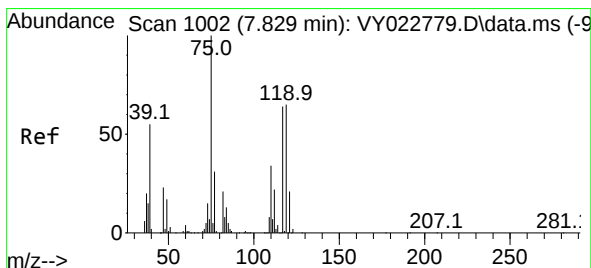
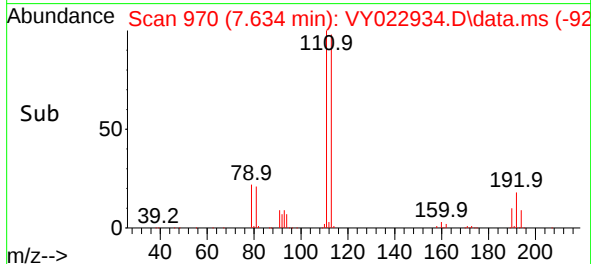
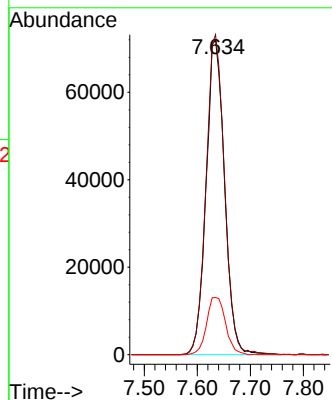
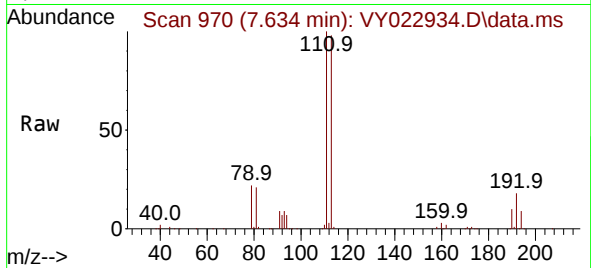




#35
Dibromofluoromethane
Concen: 52.648 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

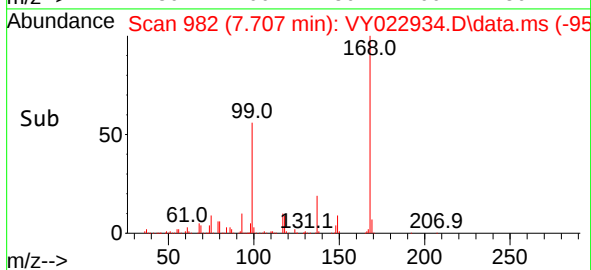
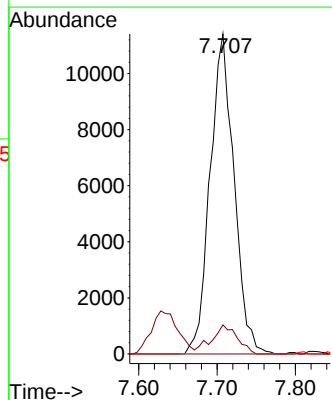
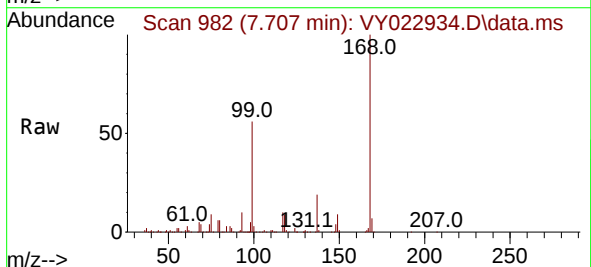
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

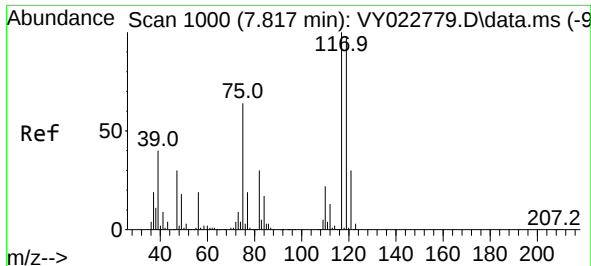
Tgt Ion:113 Resp: 173919
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 75 Resp: 24200
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.8 37.2#

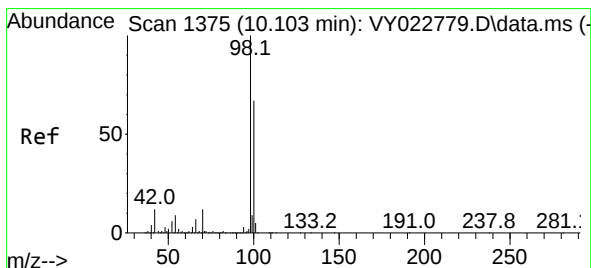
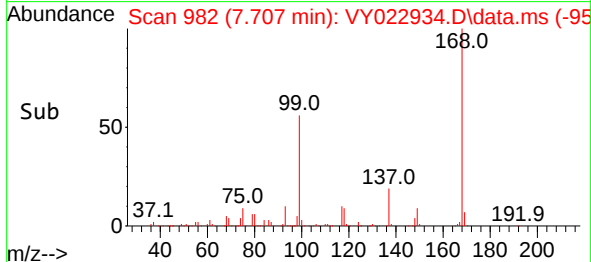
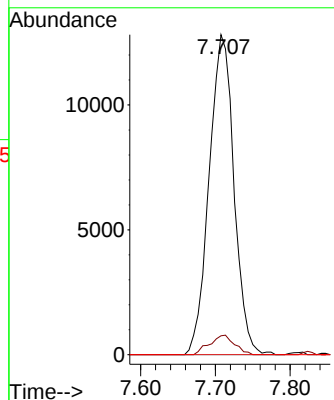
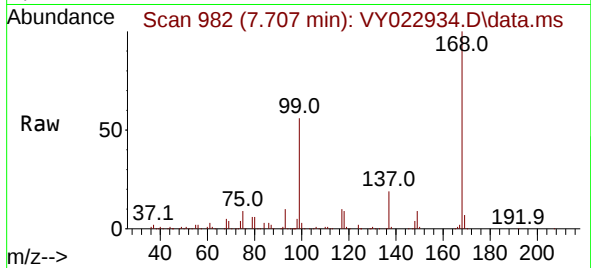




#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

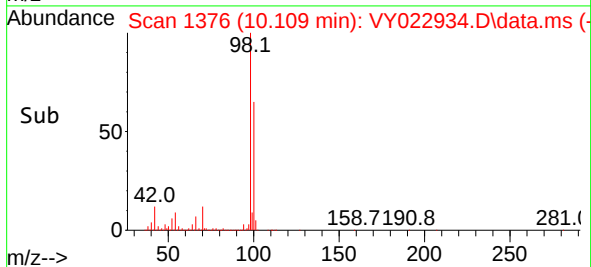
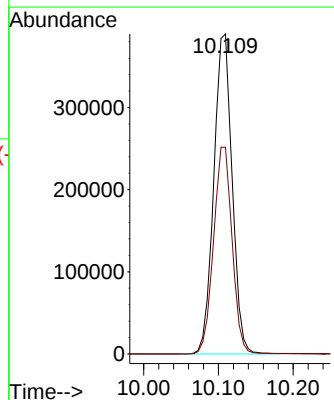
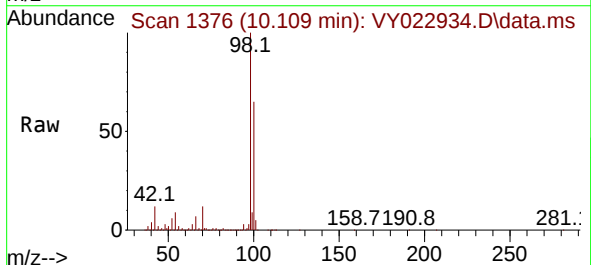
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

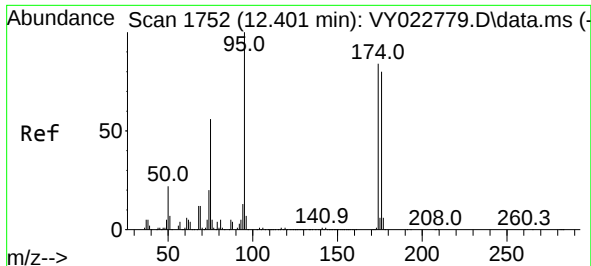
Tgt Ion:117 Resp: 29593
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.897 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 98 Resp: 667187
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 59.795 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-070225

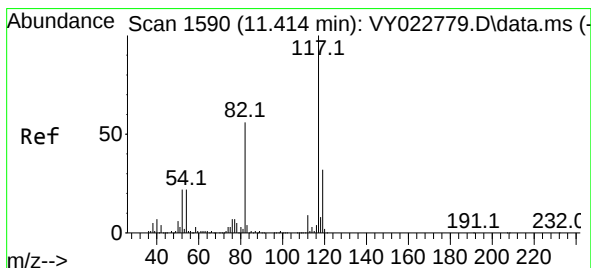
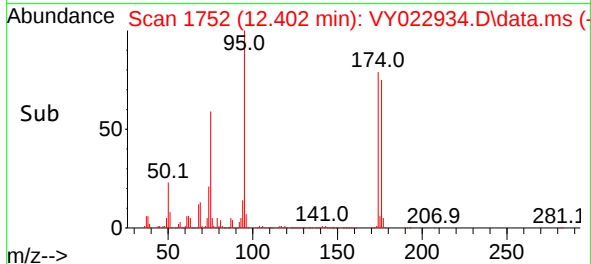
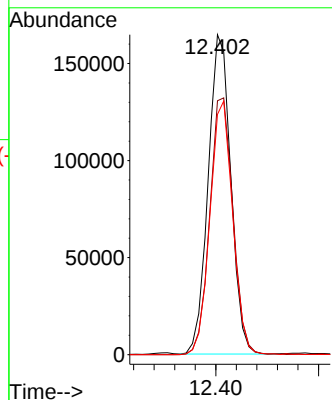
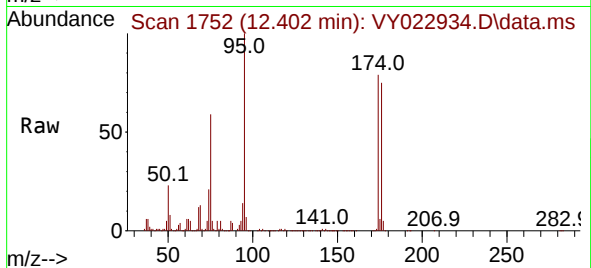
Tgt Ion: 95 Resp: 251976

Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.0

176 79.7 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: VY022934.D

Acq: 03 Jul 2025 11:53

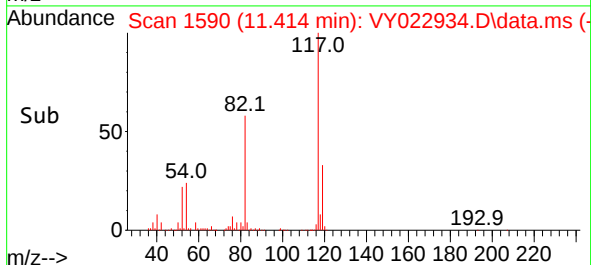
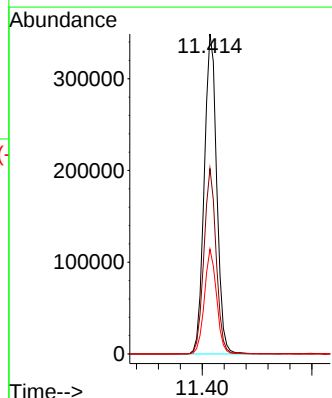
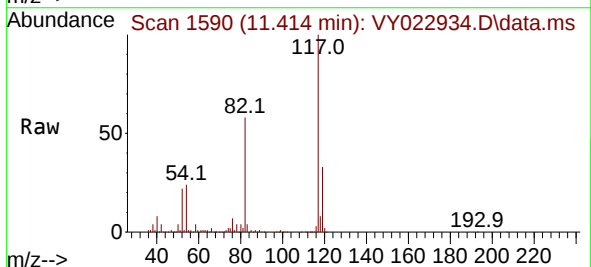
Tgt Ion: 117 Resp: 551151

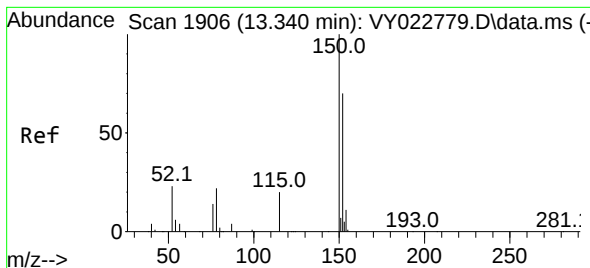
Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-070225

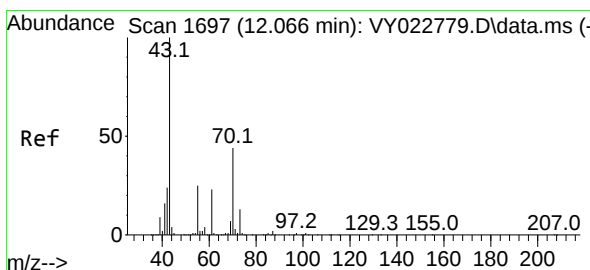
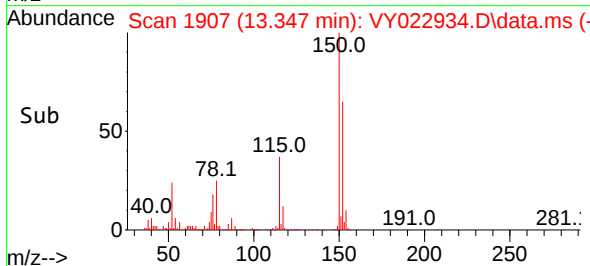
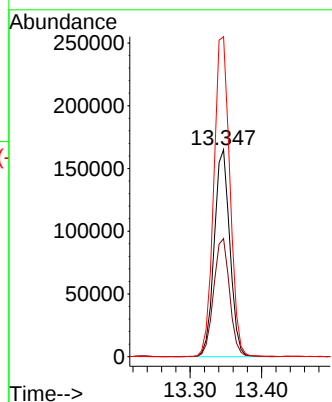
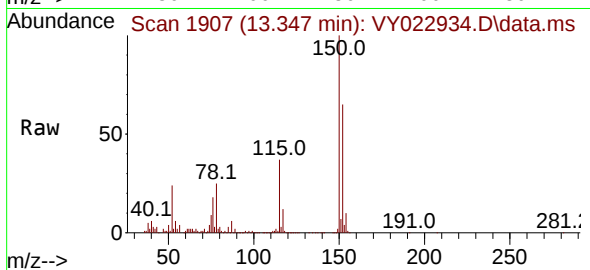
Tgt Ion:152 Resp: 250221

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 159.1 0.0 349.6



#74

N-ethyl acetate

Concen: 1.747 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

Tgt Ion: 43 Resp: 7258

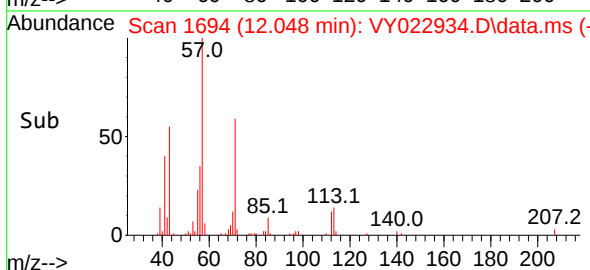
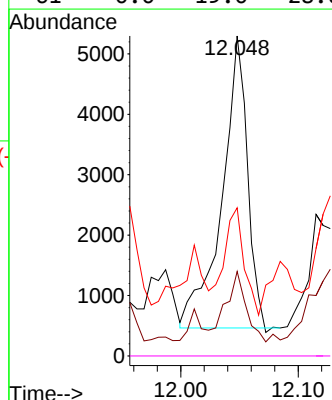
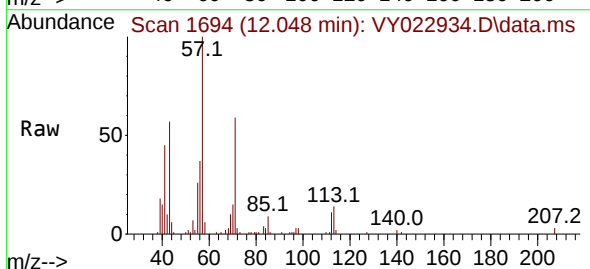
Ion Ratio Lower Upper

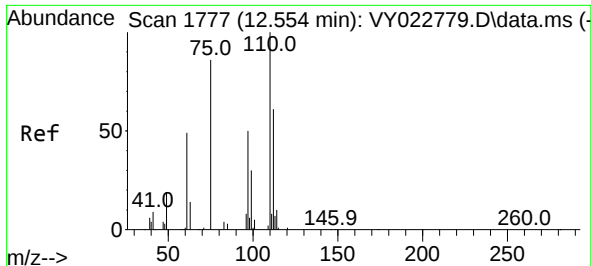
43 100

70 19.2 34.2 51.2#

55 29.3 18.2 27.4#

61 0.0 19.0 28.6#

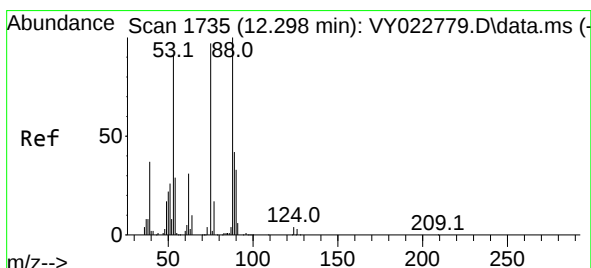
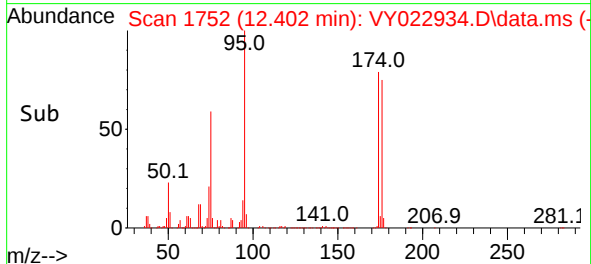
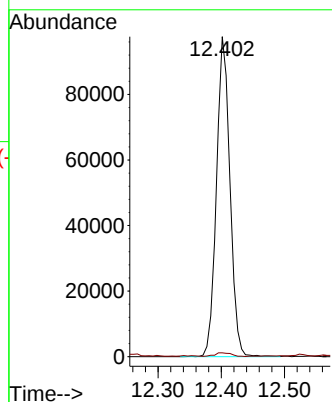
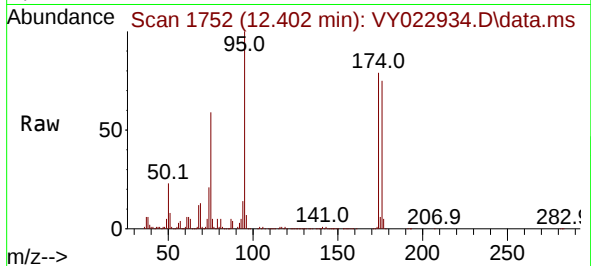




#76
1,2,3-Trichloropropane
Concen: 56.612 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

Tgt Ion: 75 Resp: 144617
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.023 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 75 Resp: 144617
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.0 35.7 53.5#

