

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
 Data File : VY021757.D
 Acq On : 02 Apr 2025 14:08
 Operator : SY/MD
 Sample : Q1686-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-040125

Quant Time: Apr 03 03:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

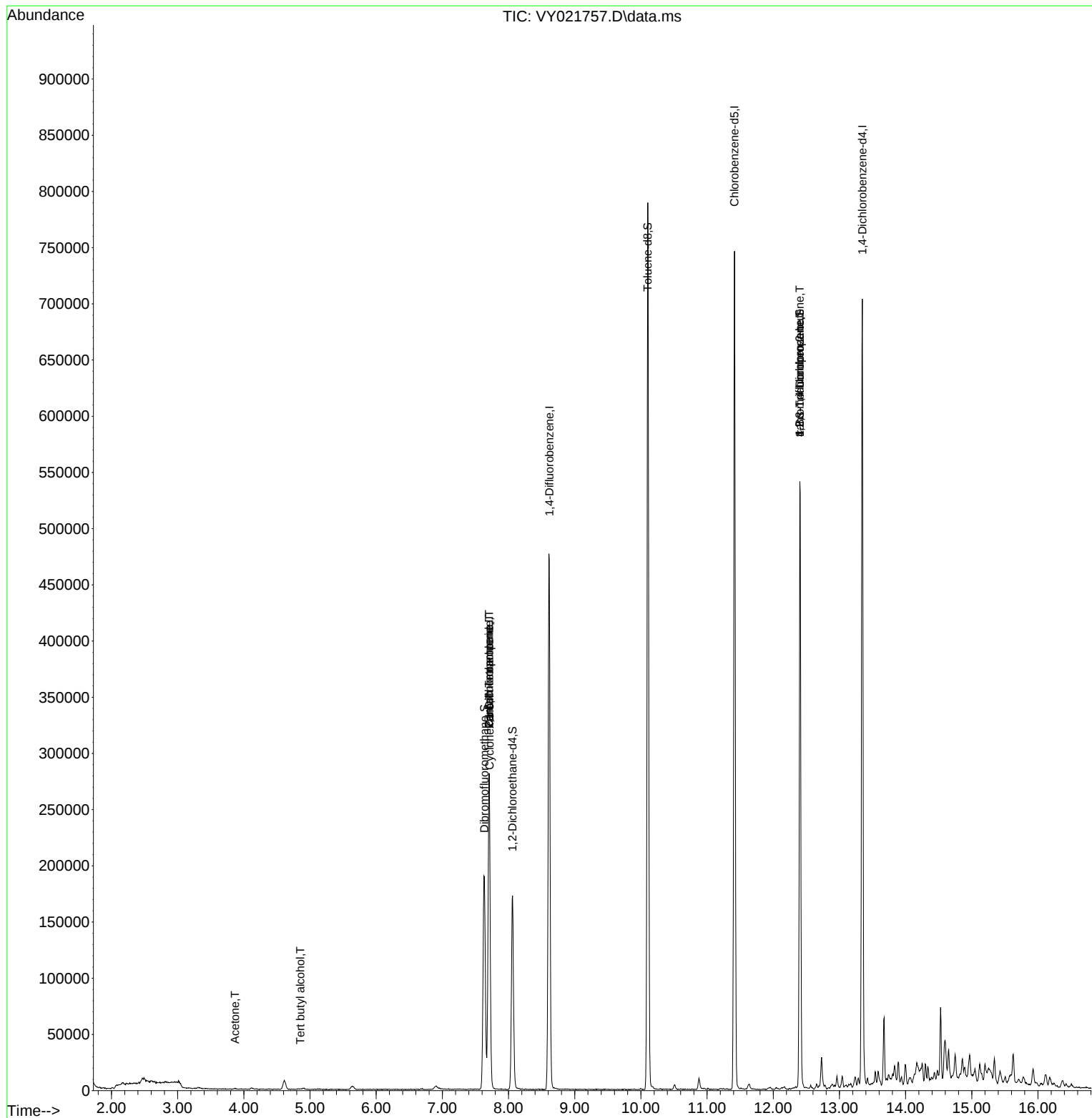
Internal Standards						
1) Pentafluorobenzene	7.707	168	203680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	392545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	376554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131485	59.581	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.160%	
35) Dibromofluoromethane	7.634	113	136005	53.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.820%	
50) Toluene-d8	10.103	98	487262	50.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.600%	
62) 4-Bromofluorobenzene	12.401	95	161507	49.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.580%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	586	4.088	ug/l #	70
16) Acetone	3.866	43	565	1.251	ug/l	98
20) Methylene Chloride	4.616	84	5329	Below Cal	#	91
31) Cyclohexane	7.713	56	4991	1.281	ug/l #	49
36) 1,1-Dichloropropene	7.707	75	17078	4.403	ug/l #	51
38) Carbon Tetrachloride	7.707	117	20851	4.694	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	87938	52.742	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	87938	121.527	ug/l #	12

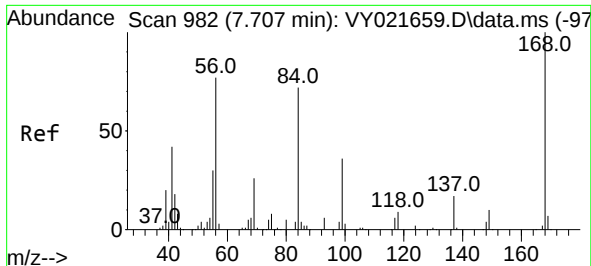
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

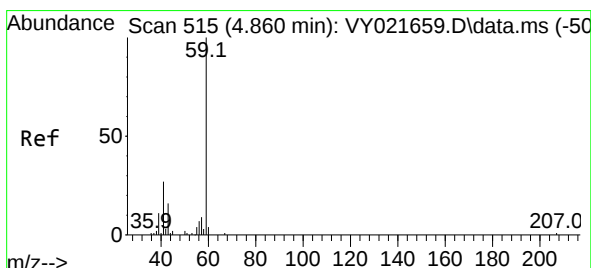
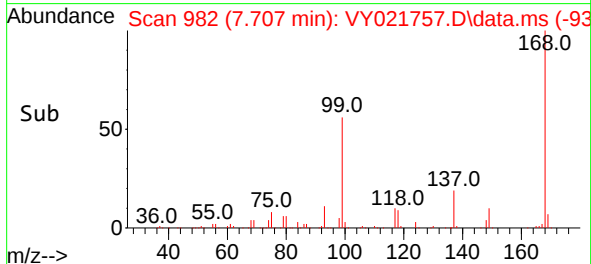
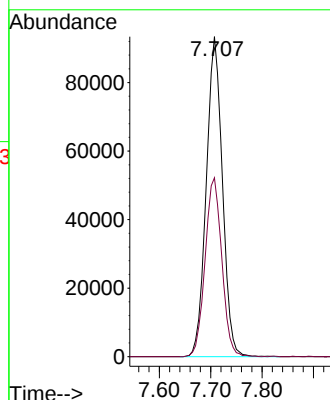
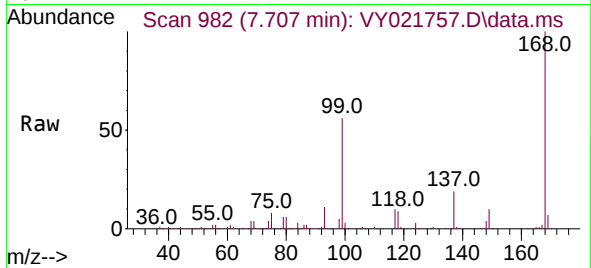




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

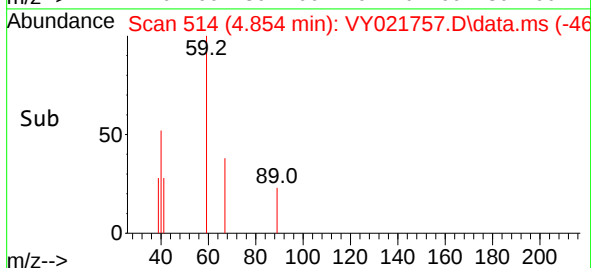
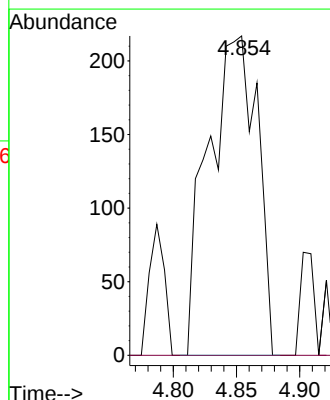
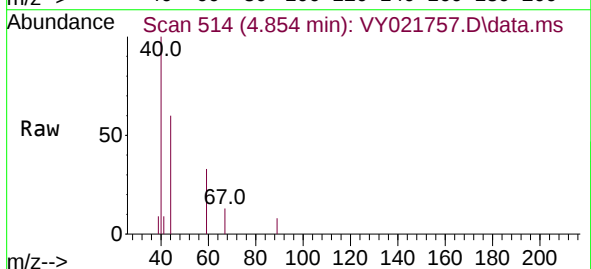
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-040125

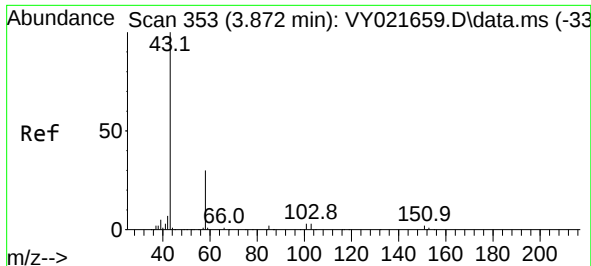
Tgt Ion:168 Resp: 203680
Ion Ratio Lower Upper
168 100
99 55.9 46.7 70.1



#11
Tert butyl alcohol
Concen: 4.088 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Tgt Ion: 59 Resp: 586
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 1.251 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

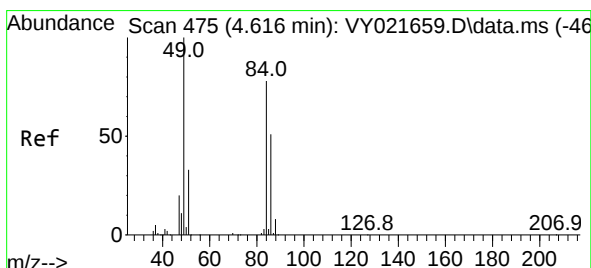
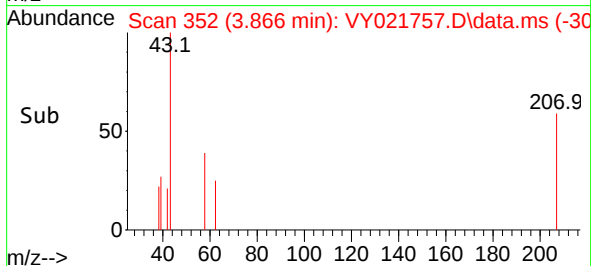
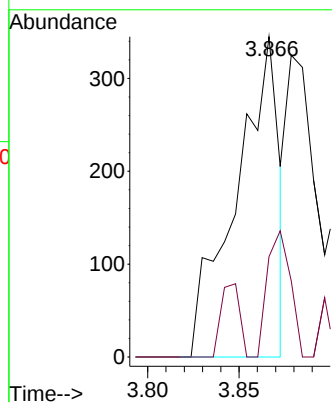
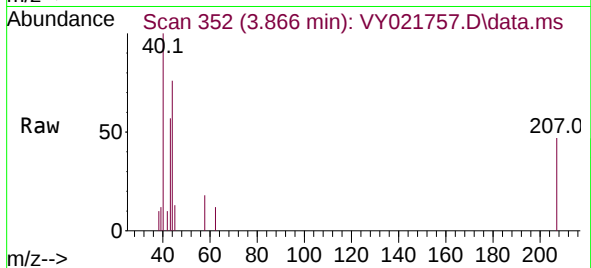
EO-03-040125

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

58 31.3 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

Tgt Ion: 84 Resp: 5329

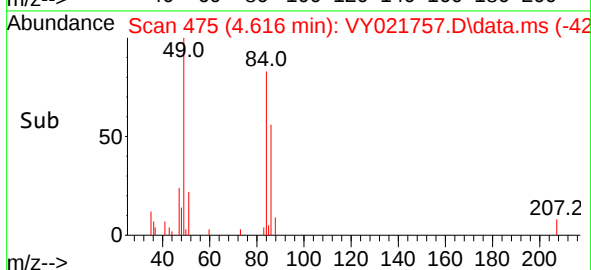
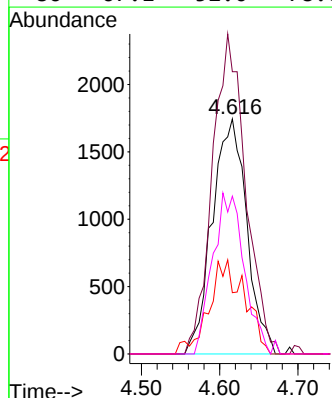
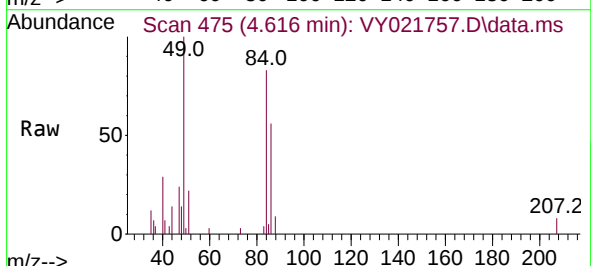
Ion Ratio Lower Upper

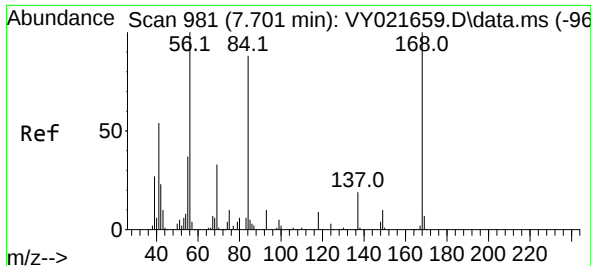
84 100

49 120.1 102.8 154.2

51 26.1 33.5 50.3#

86 67.1 52.0 78.0

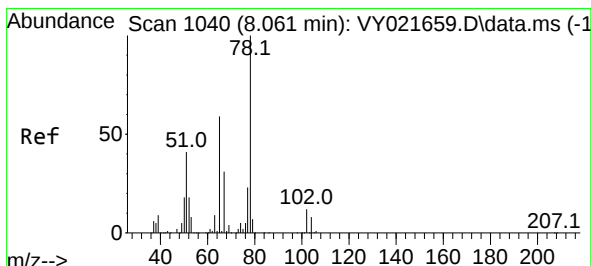
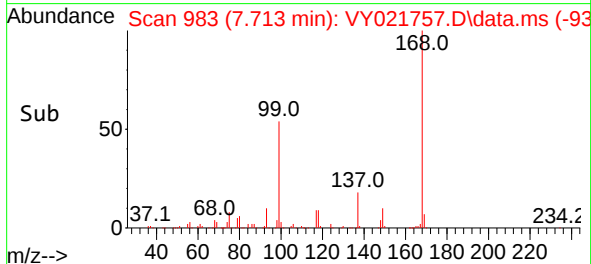
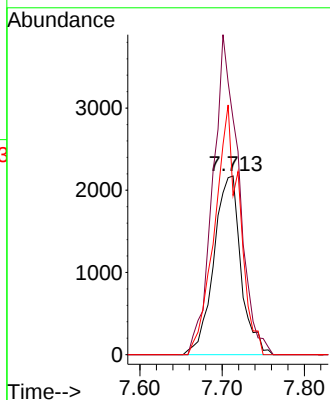
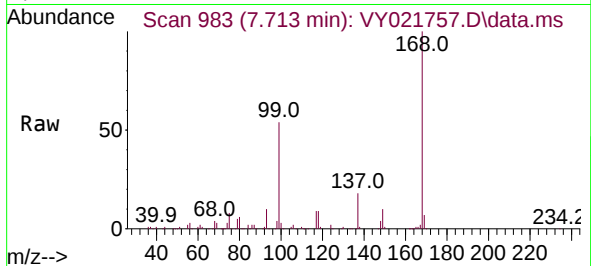




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

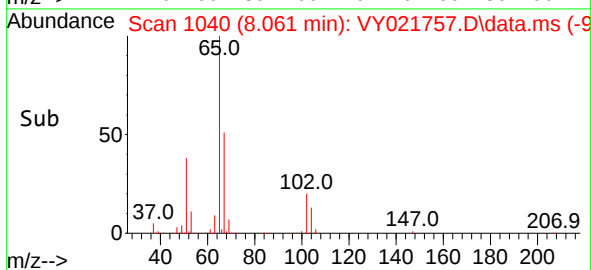
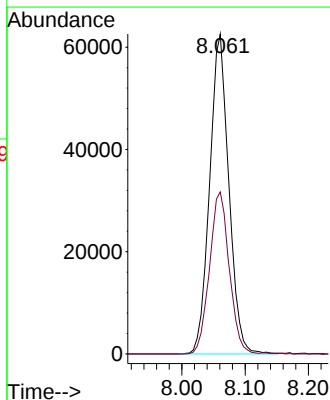
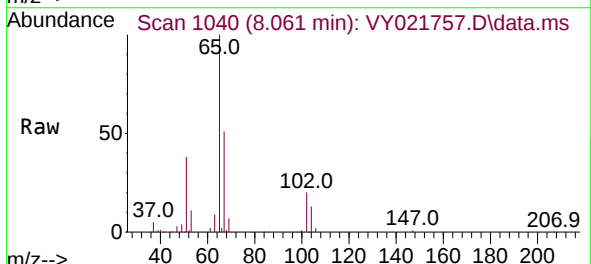
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-040125

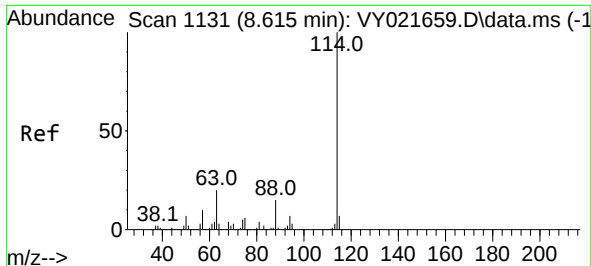
Tgt Ion: 56 Resp: 4991
Ion Ratio Lower Upper
56 100
69 131.9 26.6 40.0#
84 89.0 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 59.581 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Tgt Ion: 65 Resp: 131485
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-040125

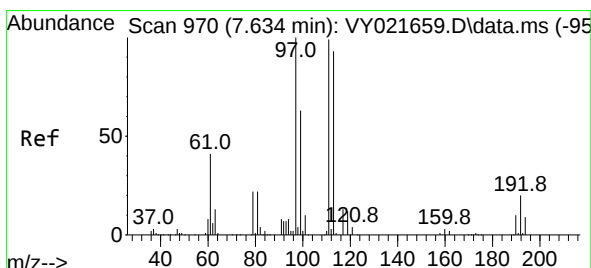
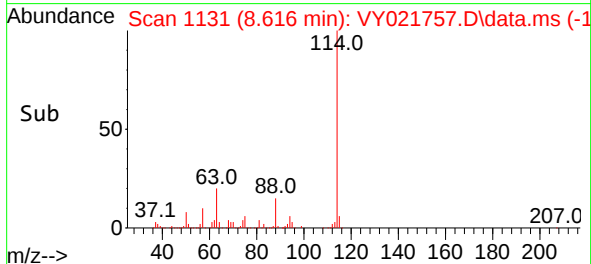
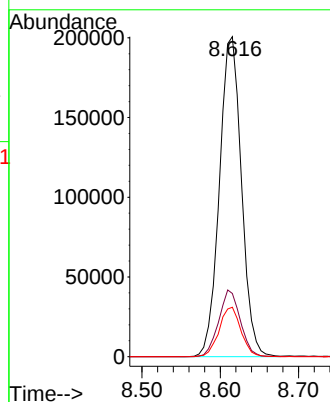
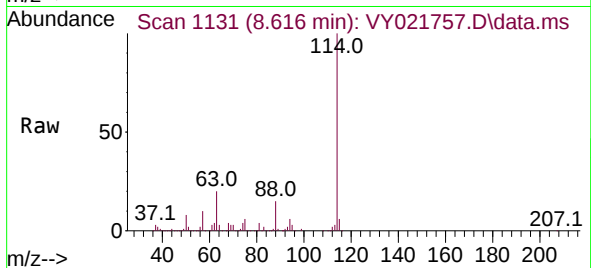
Tgt Ion:114 Resp: 392545

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 15.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.411 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

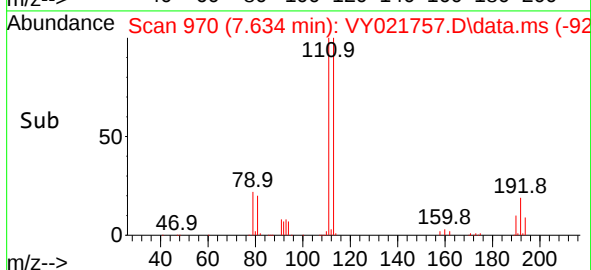
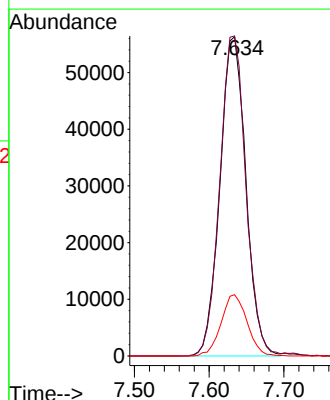
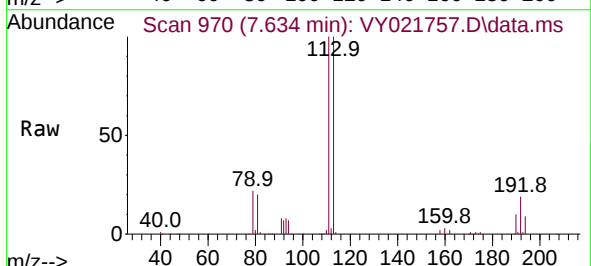
Tgt Ion:113 Resp: 136005

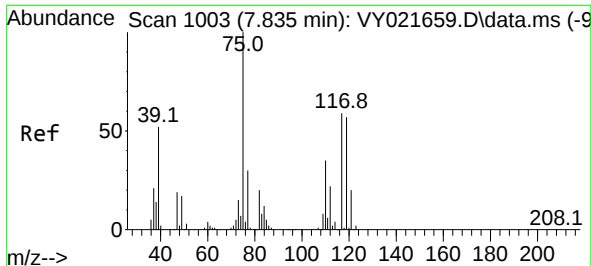
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 19.2 16.2 24.4

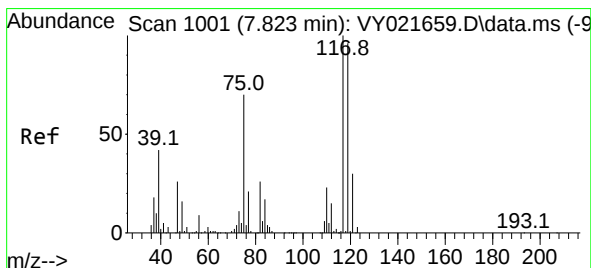
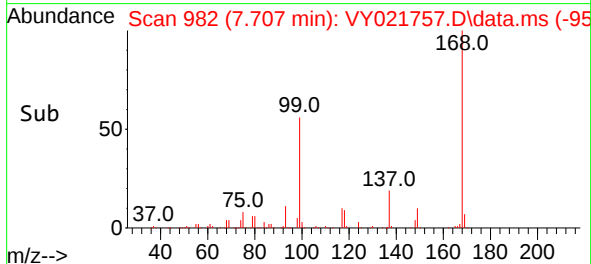
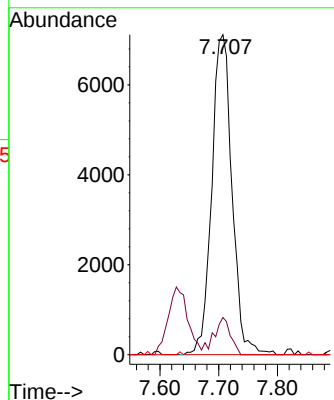
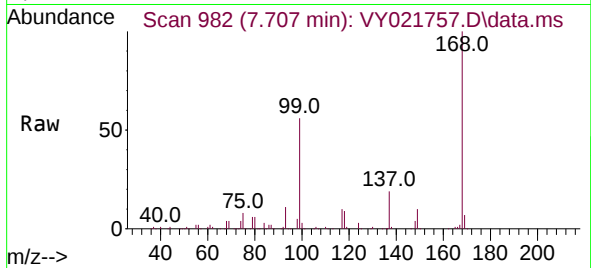




#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

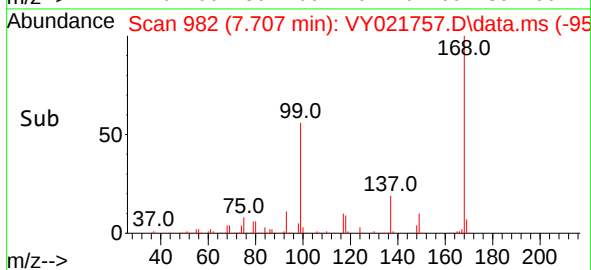
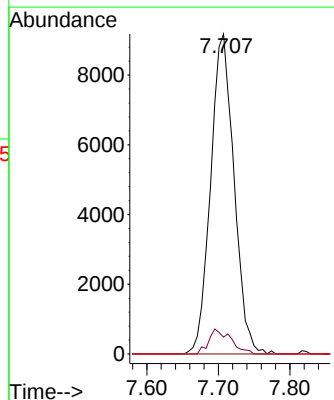
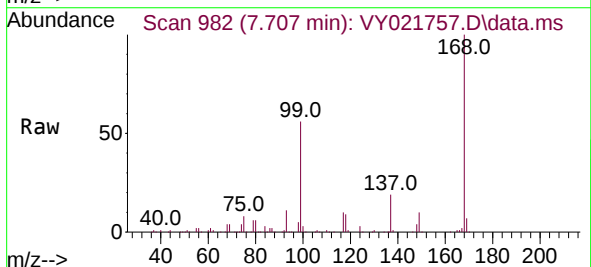
Instrument :
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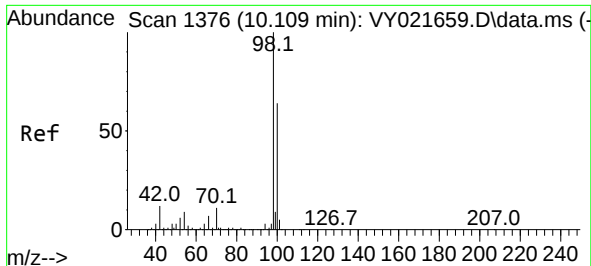
Tgt Ion: 75 Resp: 17078
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Tgt Ion: 117 Resp: 20851
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.2 36.4#

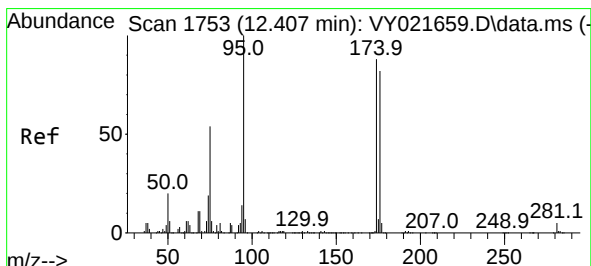
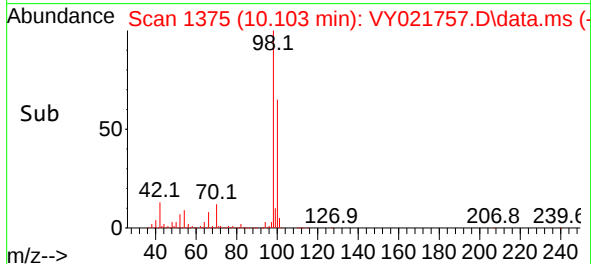
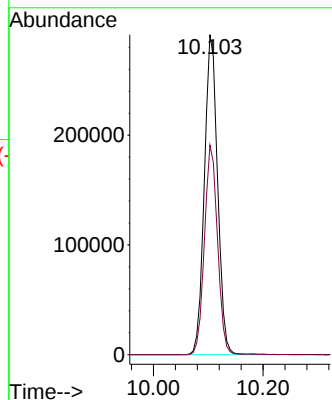
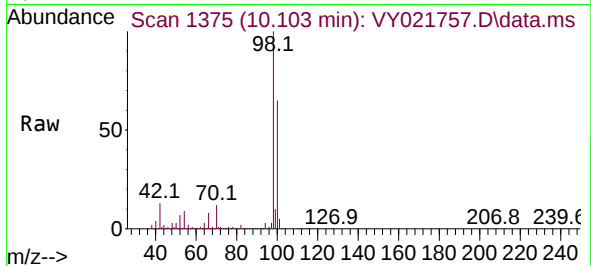




#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

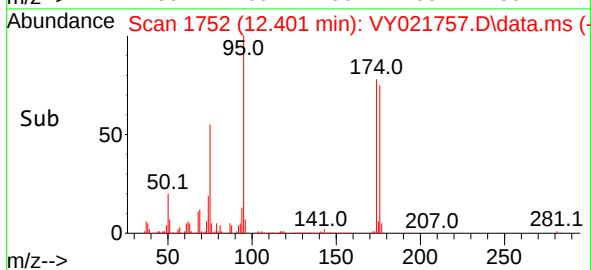
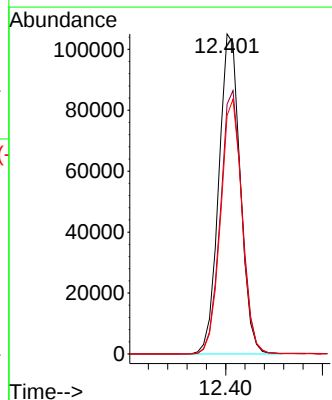
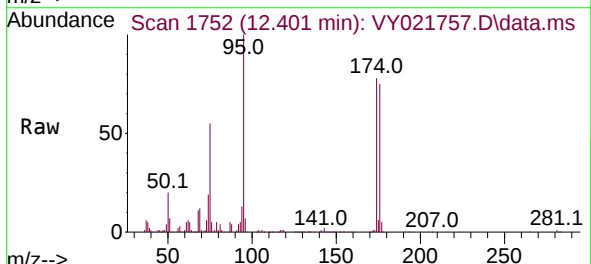
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EO-03-040125

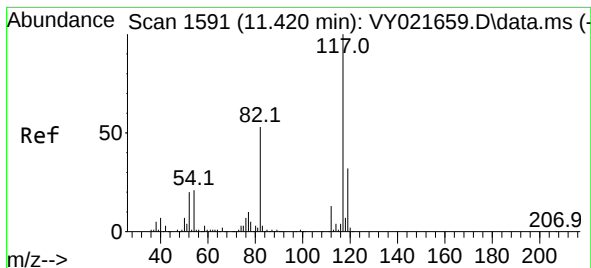
Tgt Ion: 98 Resp: 487262
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Tgt Ion: 95 Resp: 161507
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.8
176 79.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-040125

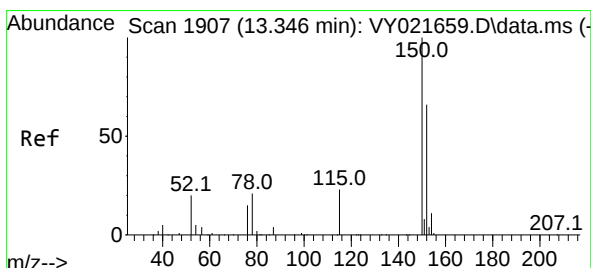
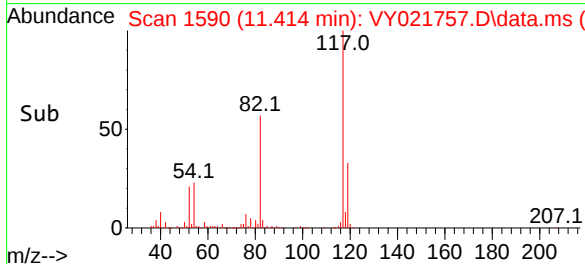
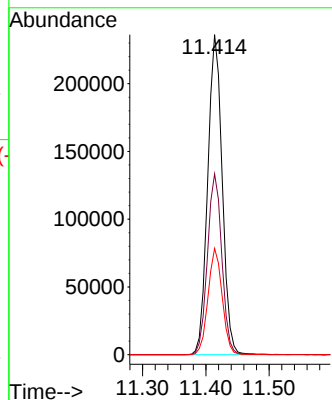
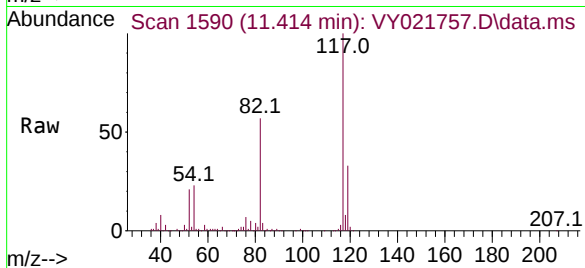
Tgt Ion:117 Resp: 376554

Ion Ratio Lower Upper

117 100

82 56.5 42.8 64.2

119 33.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021757.D

Acq: 02 Apr 2025 14:08

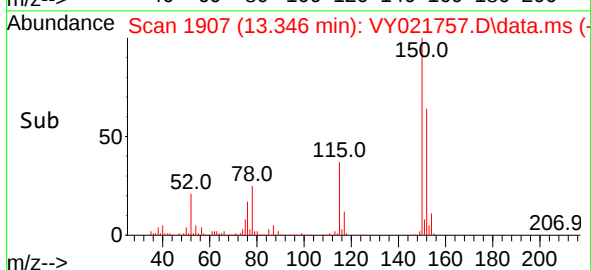
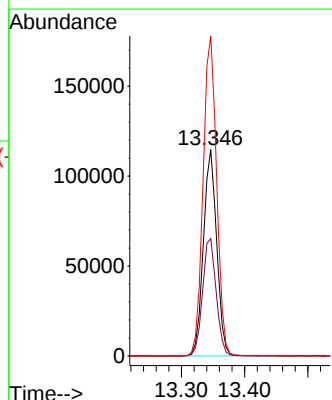
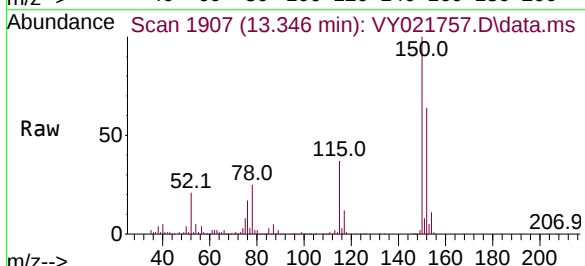
Tgt Ion:152 Resp: 168202

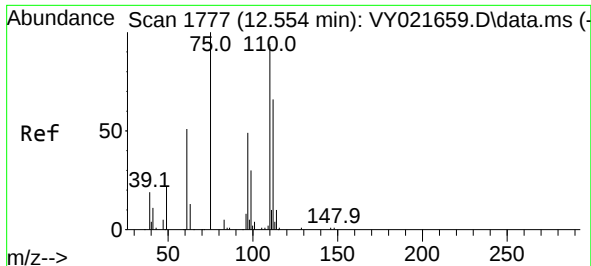
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.9 0.0 348.4

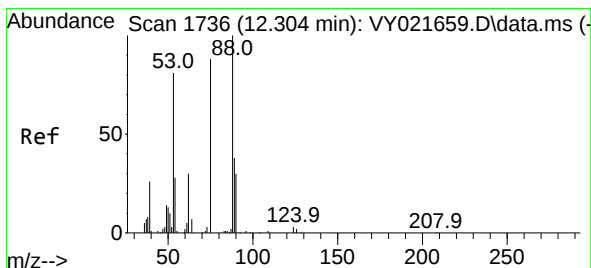
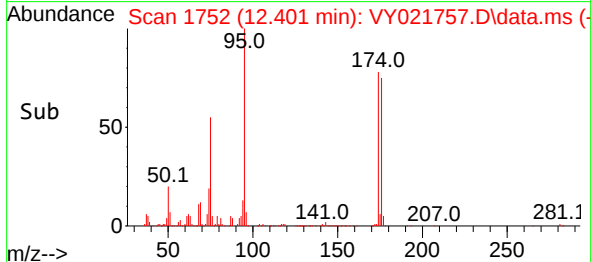
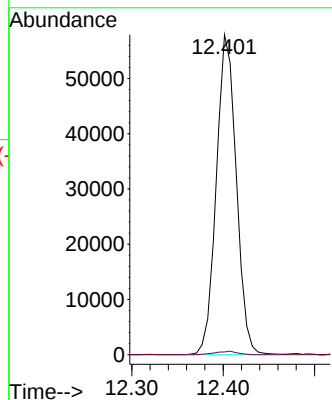
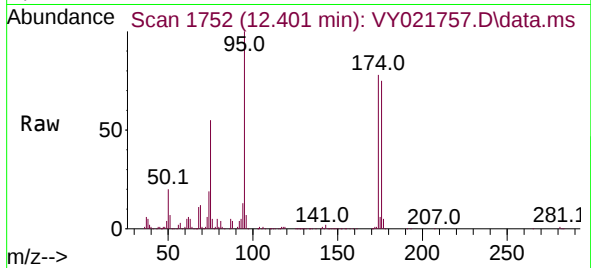




#76
1,2,3-Trichloropropane
Concen: 52.742 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-040125

Tgt Ion: 75 Resp: 87938
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.527 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021757.D
Acq: 02 Apr 2025 14:08

Tgt Ion: 75 Resp: 87938
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

