

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021972.D
 Acq On : 23 Apr 2025 15:27
 Operator : SY/MD
 Sample : Q1853-01
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-04222025

Quant Time: Apr 24 03:46:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

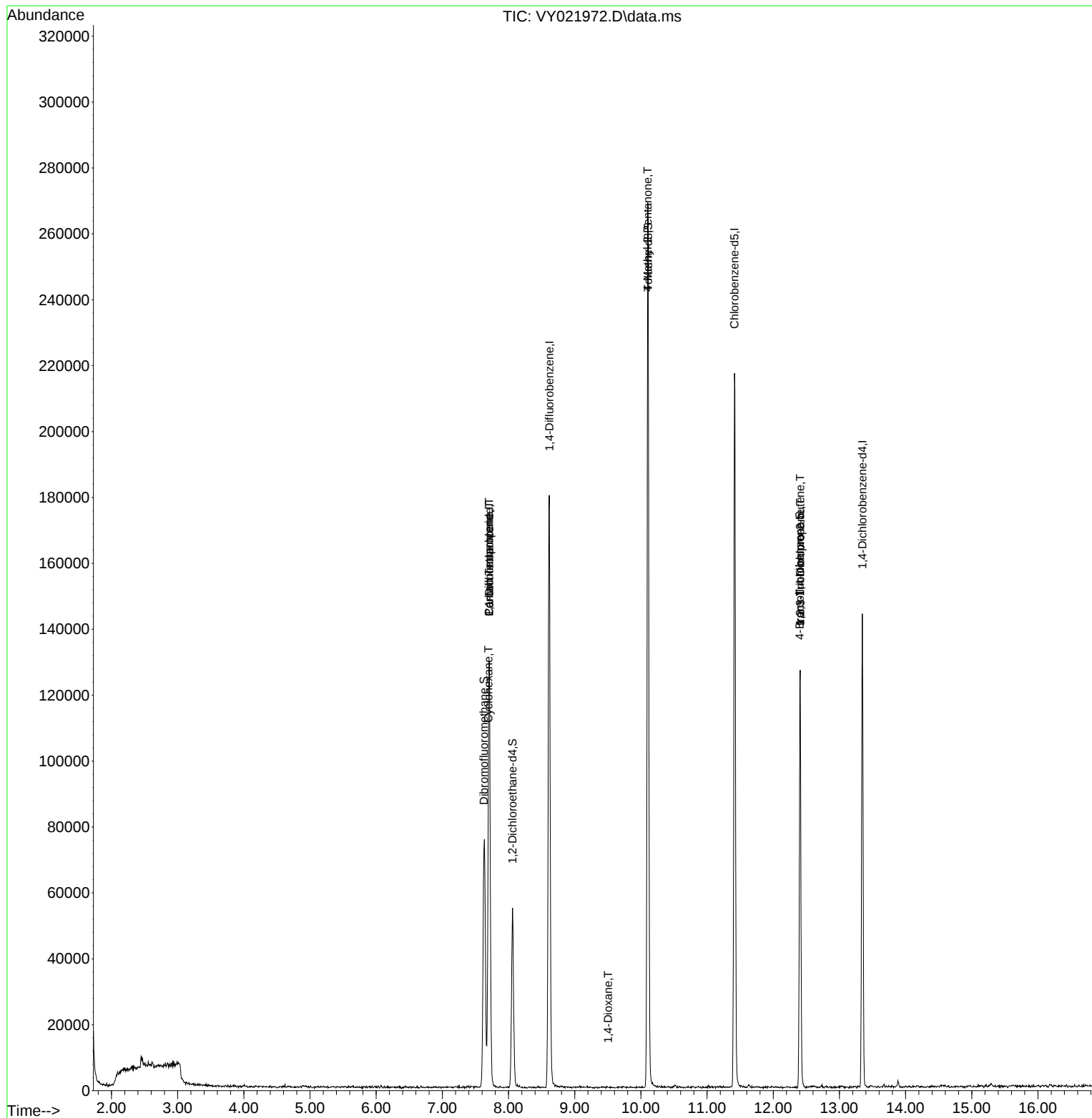
Internal Standards						
1) Pentafluorobenzene	7.707	168	100897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	162272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	126095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	38624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41236	44.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.500%
35) Dibromofluoromethane	7.628	113	54724	51.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.109	98	183375	45.371	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.740%
62) 4-Bromofluorobenzene	12.402	95	40281	29.606	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.220%
Target Compounds						
16) Acetone	3.867	43	119	Below Cal	#	41
31) Cyclohexane	7.695	56	2105	1.366	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	8472	5.883	ug/l #	47
38) Carbon Tetrachloride	7.707	117	10205	5.930	ug/l #	16
49) 1,4-Dioxane	9.506	88	58	8.732	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	733	1.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	19465	58.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	19465	141.686	ug/l #	16

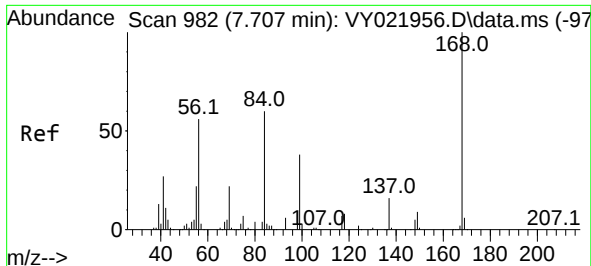
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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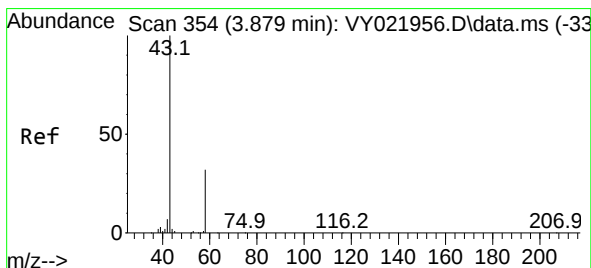
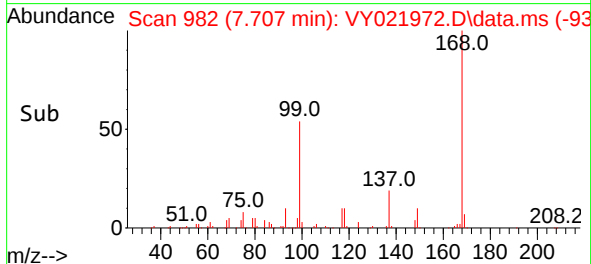
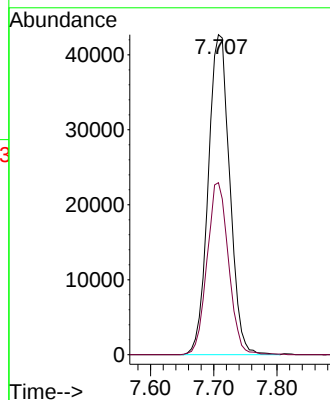
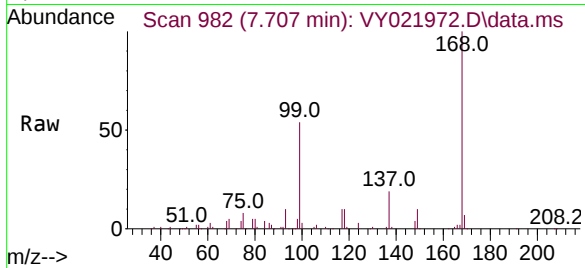




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

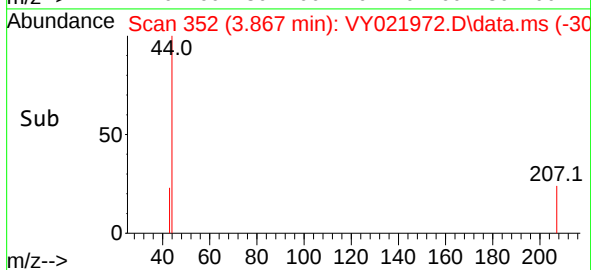
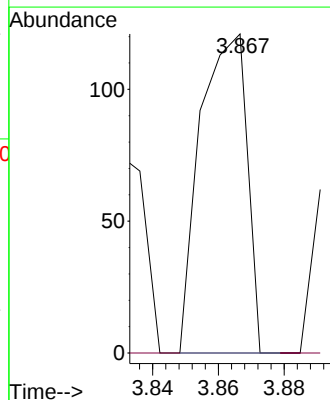
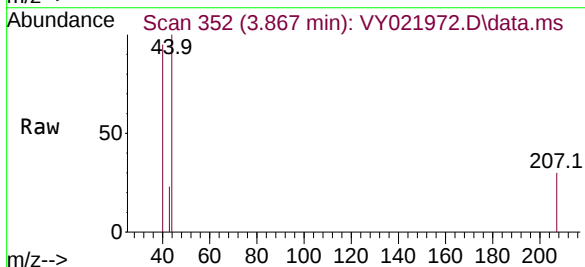
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

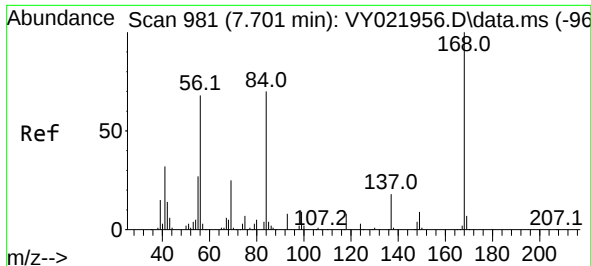
Tgt Ion:168 Resp: 100897
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

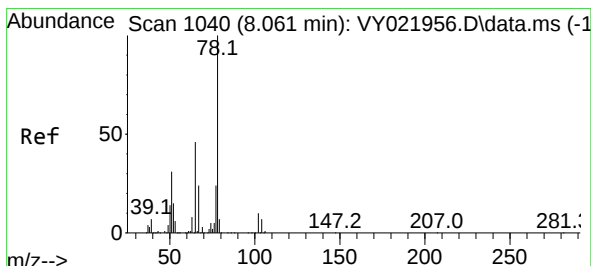
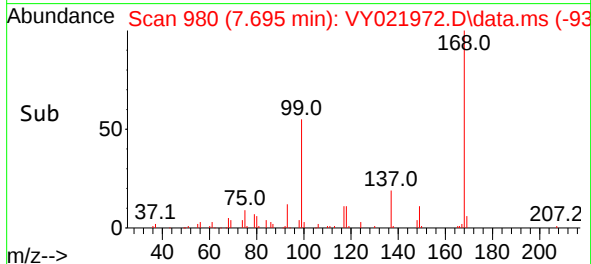
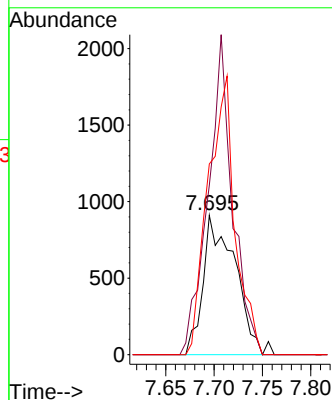
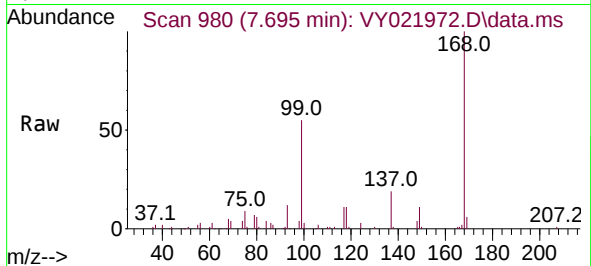




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.695 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

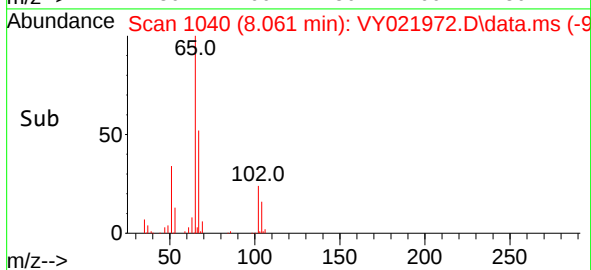
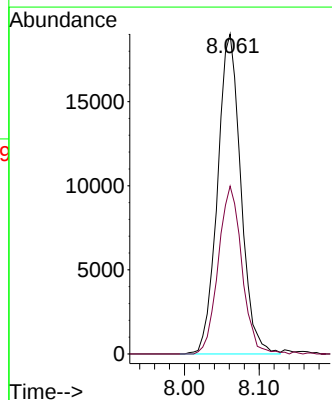
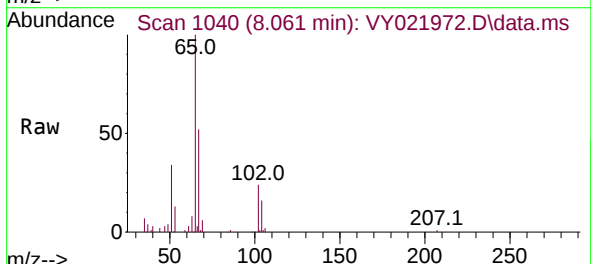
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

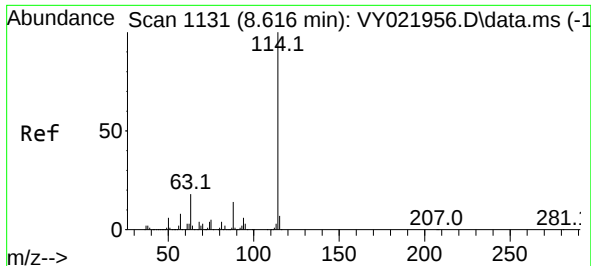
Tgt Ion: 56 Resp: 2105
Ion Ratio Lower Upper
56 100
69 121.5 29.4 44.2#
84 136.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 44.246 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 65 Resp: 41236
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-04222025

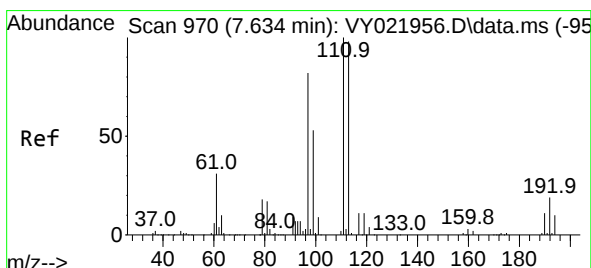
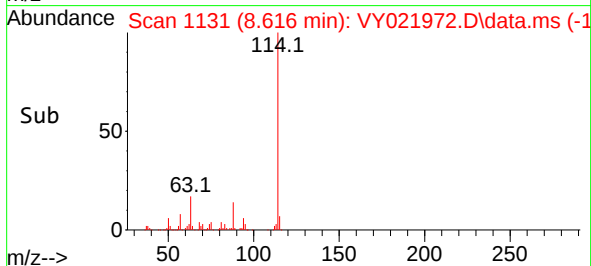
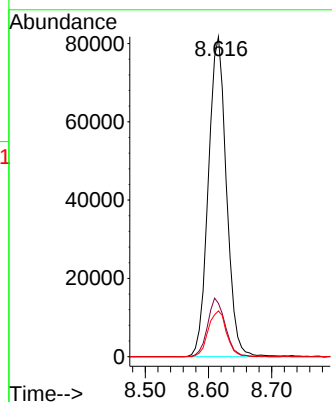
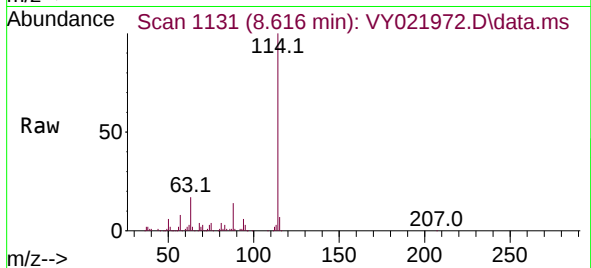
Tgt Ion:114 Resp: 162272

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.046 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

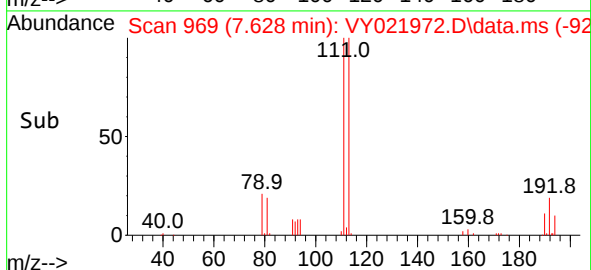
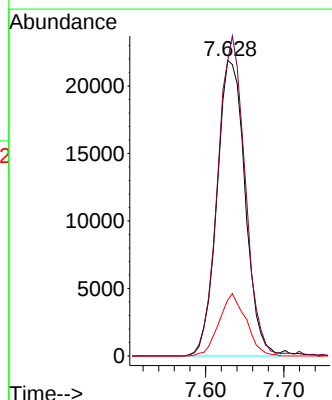
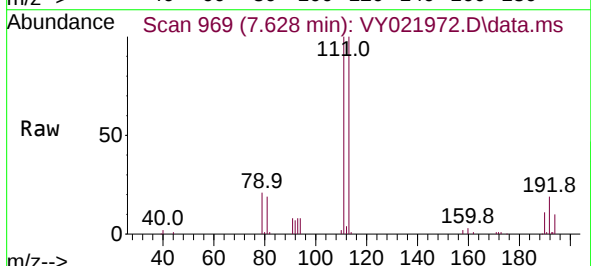
Tgt Ion:113 Resp: 54724

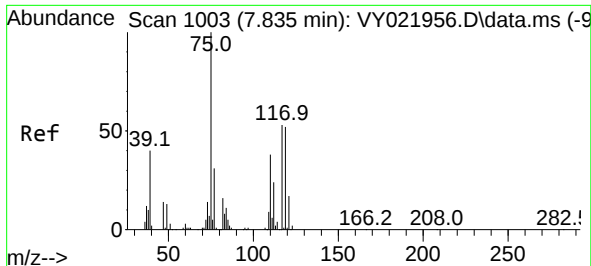
Ion Ratio Lower Upper

113 100

111 105.4 81.8 122.8

192 20.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.883 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-04222025

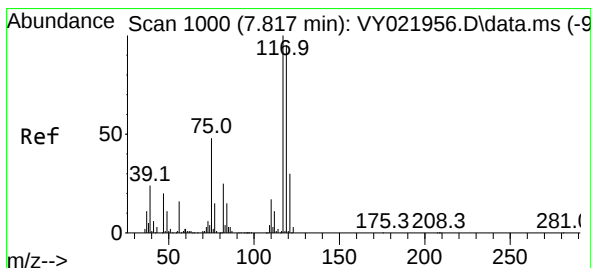
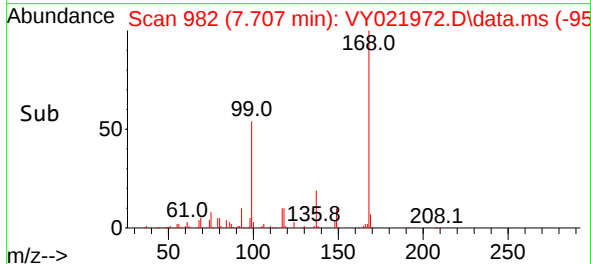
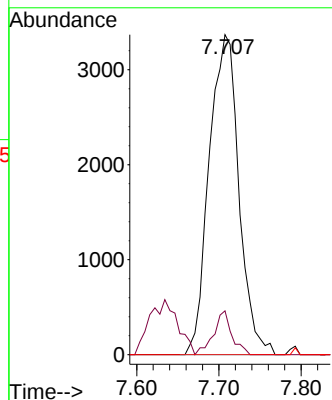
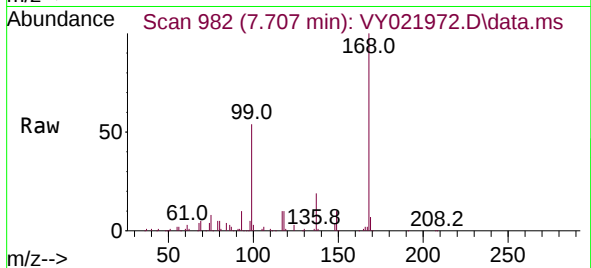
Tgt Ion: 75 Resp: 8472

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

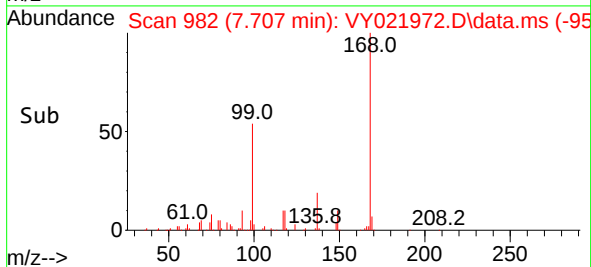
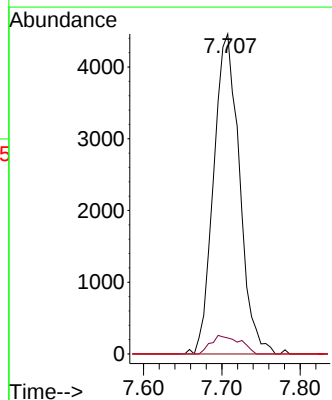
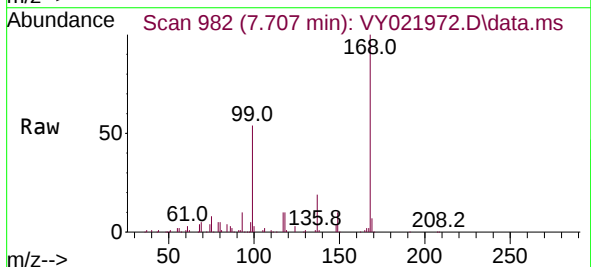
Tgt Ion: 117 Resp: 10205

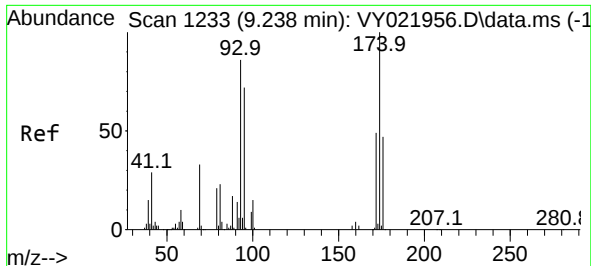
Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 8.732 ug/l

RT: 9.506 min Scan# 1

Delta R.T. 0.268 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

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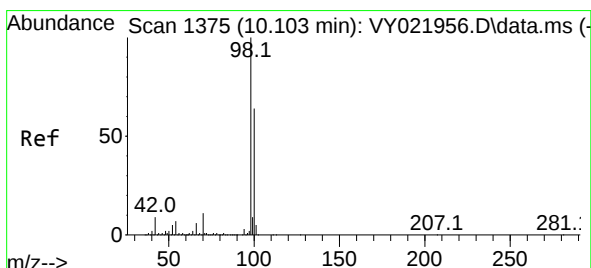
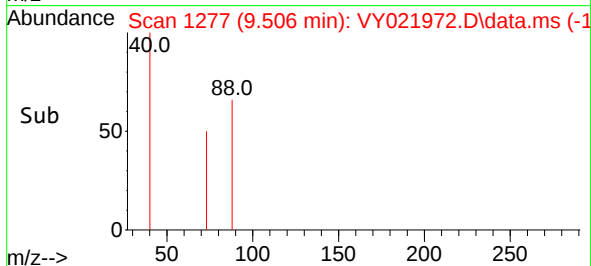
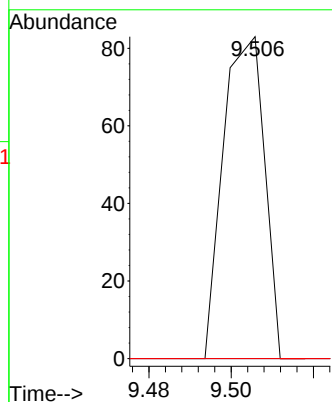
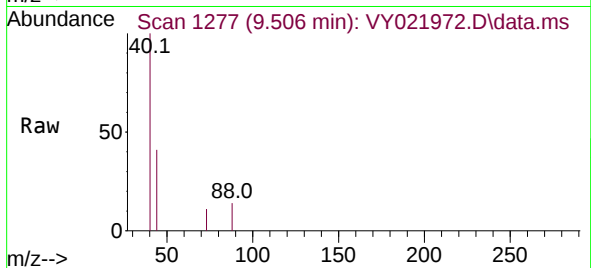
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 45.371 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY021972.D

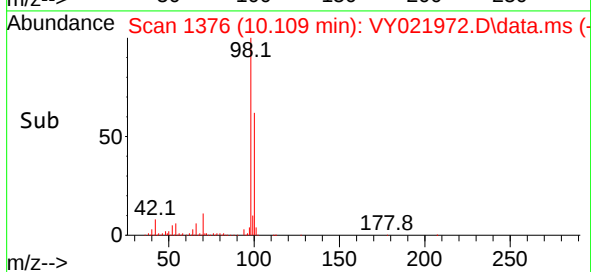
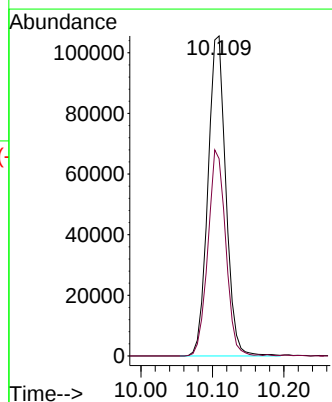
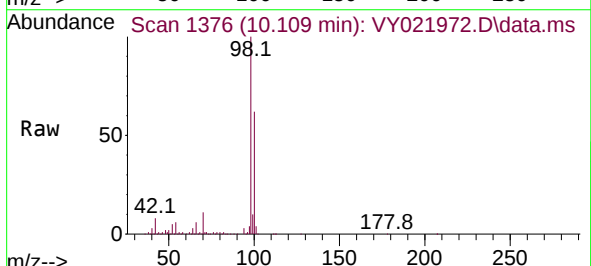
Acq: 23 Apr 2025 15:27

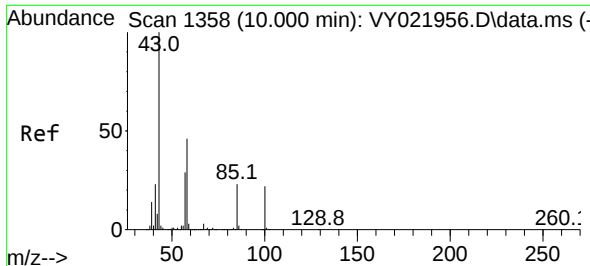
Tgt Ion: 98 Resp: 183375

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4

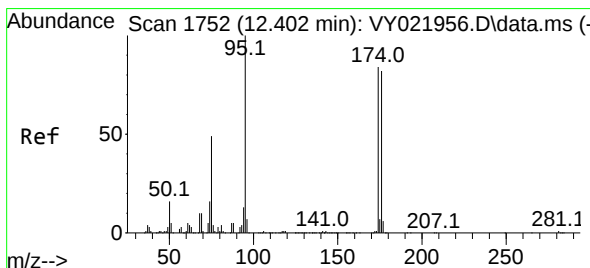
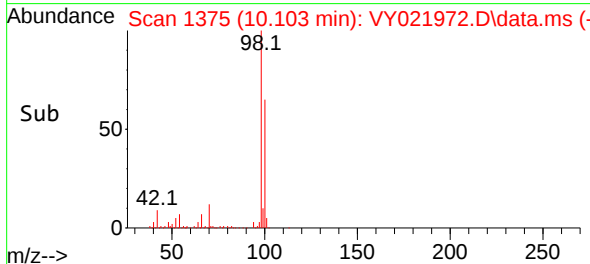
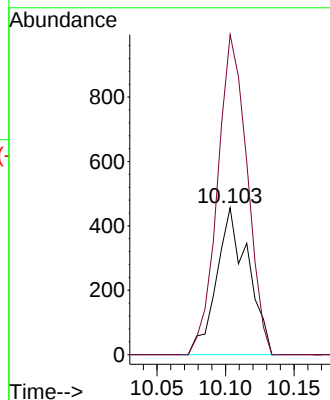
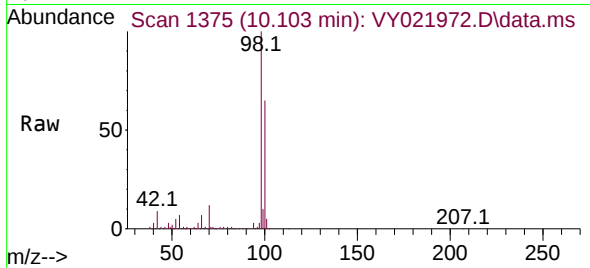




#51
4-Methyl-2-Pentanone
Concen: 1.408 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

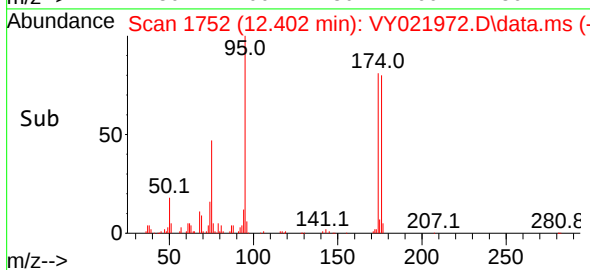
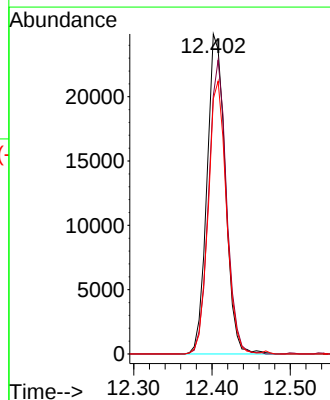
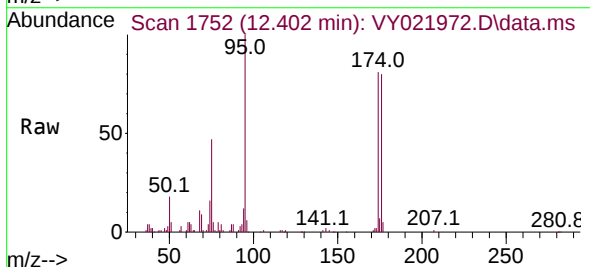
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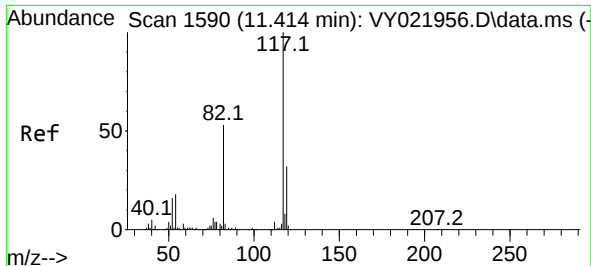
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 204.2 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 29.606 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 95 Resp: 40281
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 84.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-04222025

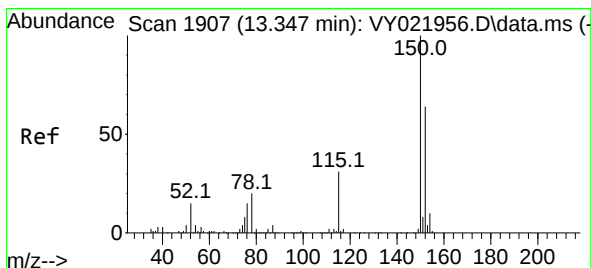
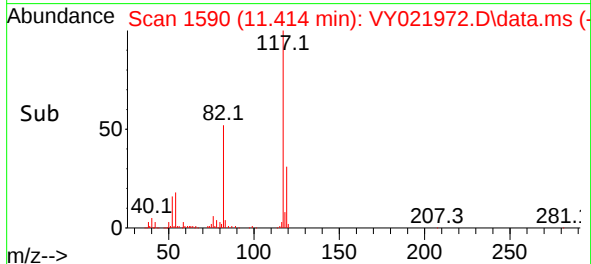
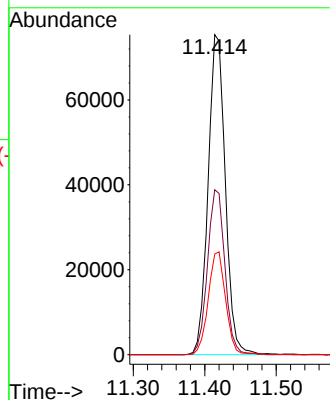
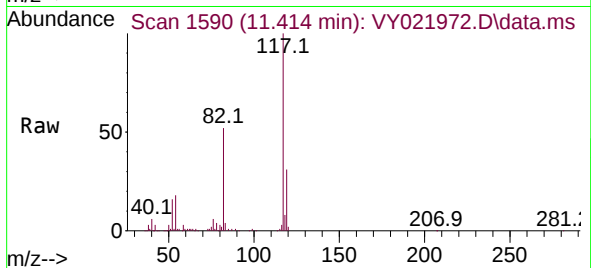
Tgt Ion:117 Resp: 126095

Ion Ratio Lower Upper

117 100

82 51.5 42.1 63.1

119 31.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021972.D

Acq: 23 Apr 2025 15:27

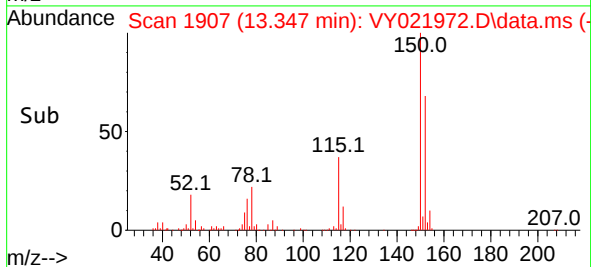
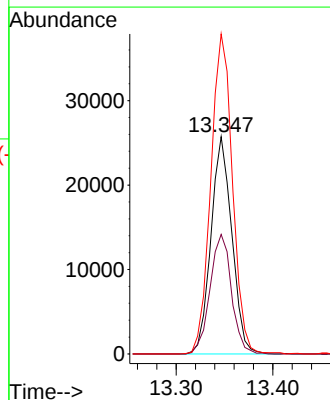
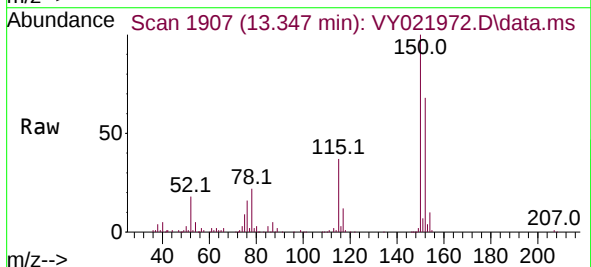
Tgt Ion:152 Resp: 38624

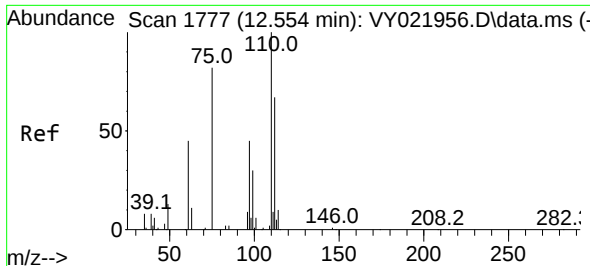
Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 152.8 0.0 345.6

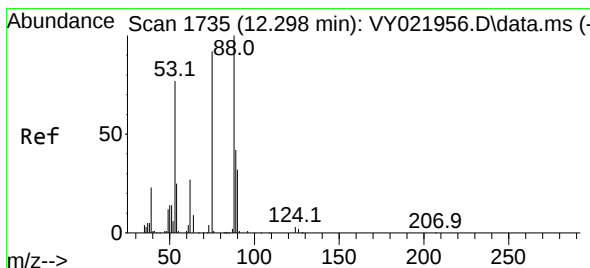
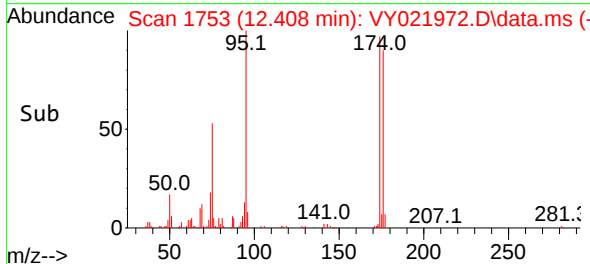
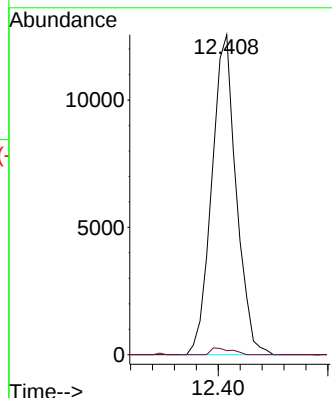
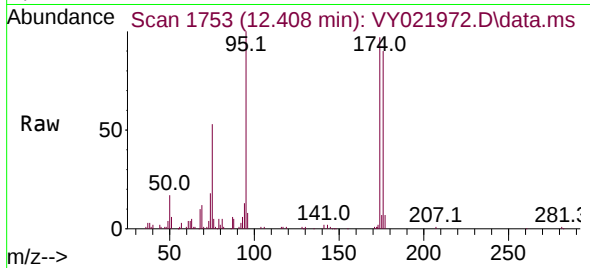




#76
1,2,3-Trichloropropane
Concen: 58.836 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

Tgt Ion: 75 Resp: 19465
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.686 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 75 Resp: 19465
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 37.2 55.8#

