

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022074.D
 Acq On : 30 Apr 2025 11:37
 Operator : SY/MD
 Sample : Q1911-01
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-04292025

Quant Time: May 01 01:33:51 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	113023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	164456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	121823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	33594	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	42291	40.510	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.020%
35) Dibromofluoromethane	7.634	113	58006	53.389	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.780%
50) Toluene-d8	10.103	98	187058	45.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.340%
62) 4-Bromofluorobenzene	12.407	95	37777	27.397	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.800%

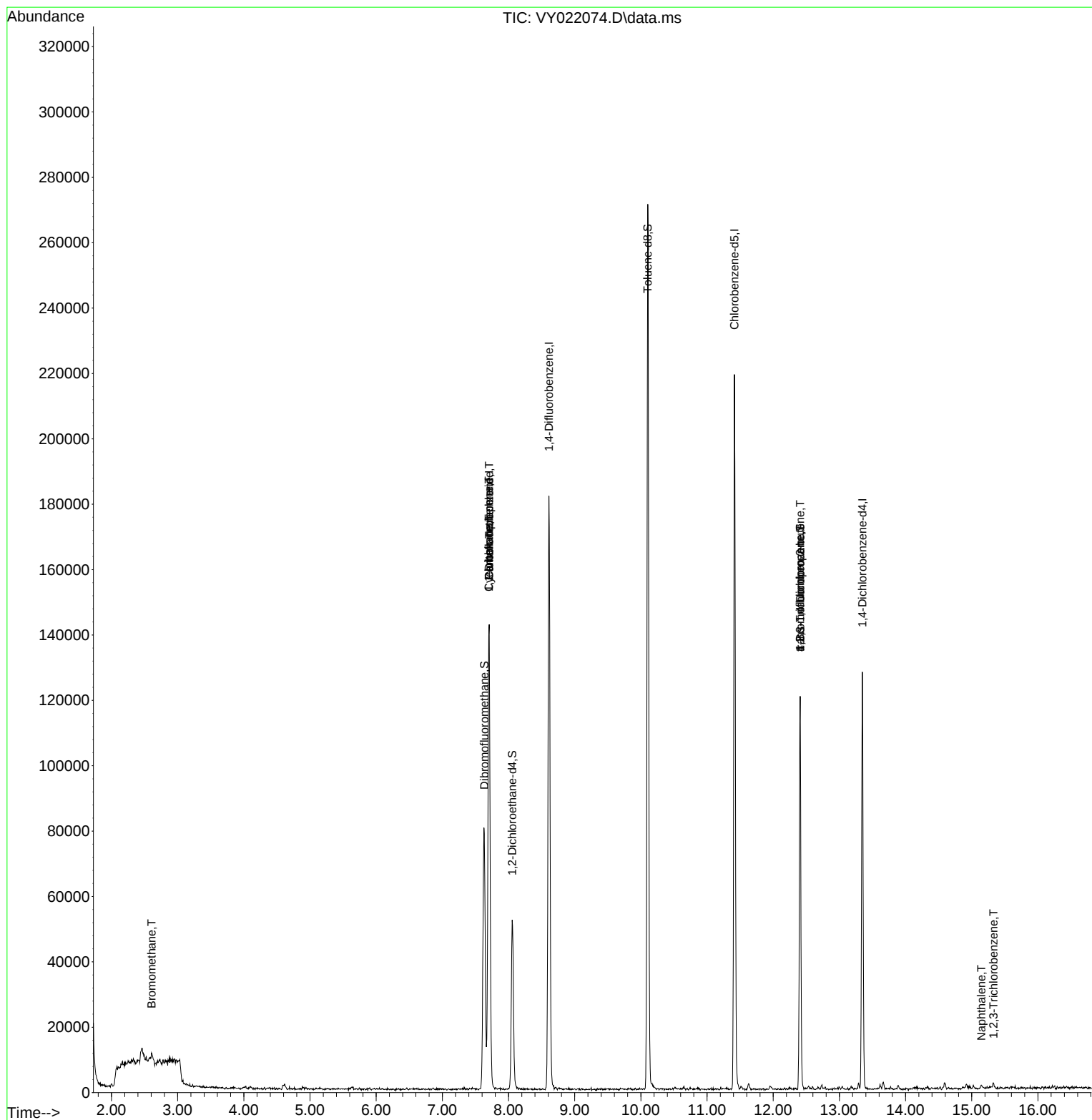
Target Compounds					Qvalue	
5) Bromomethane	2.604	94	1933	1.331	ug/l #	72
16) Acetone	3.885	43	109	Below Cal	#	41
31) Cyclohexane	7.701	56	2286	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	7894	5.409	ug/l #	40
38) Carbon Tetrachloride	7.707	117	11145	6.391	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	16742	58.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	16742	140.112	ug/l #	16
95) Naphthalene	15.145	128	1069	1.130	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.328	180	617	1.256	ug/l #	90

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

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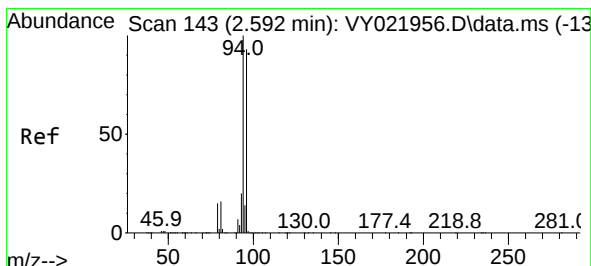
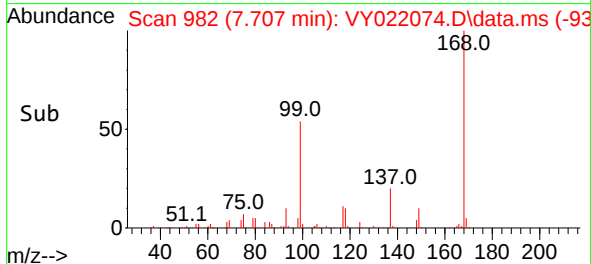
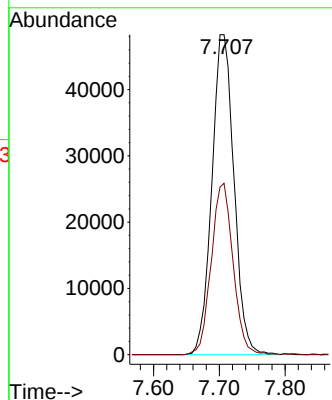
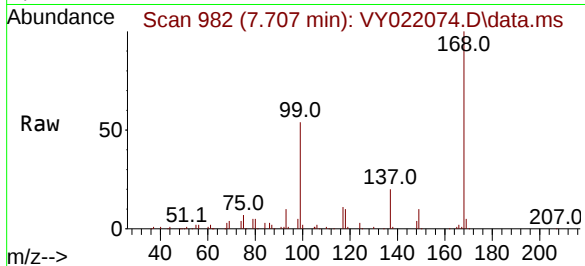




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

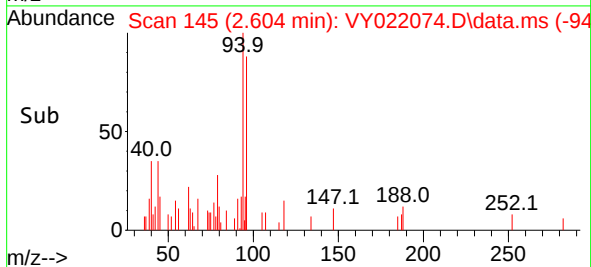
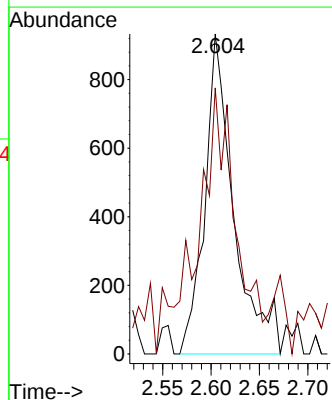
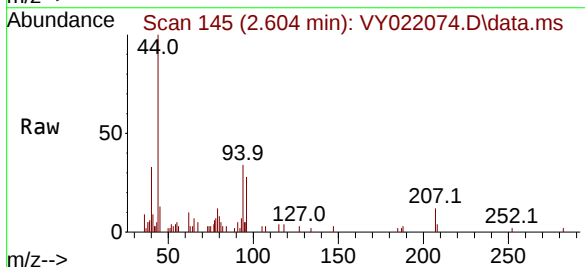
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025

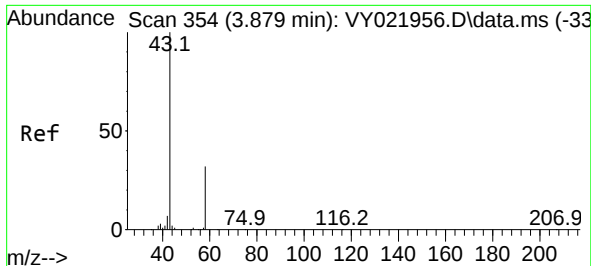
Tgt Ion:168 Resp: 113023
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#5
Bromomethane
Concen: 1.331 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

Tgt Ion: 94 Resp: 1933
Ion Ratio Lower Upper
94 100
96 66.7 74.6 111.8#

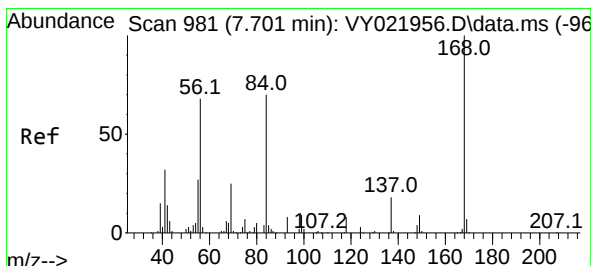
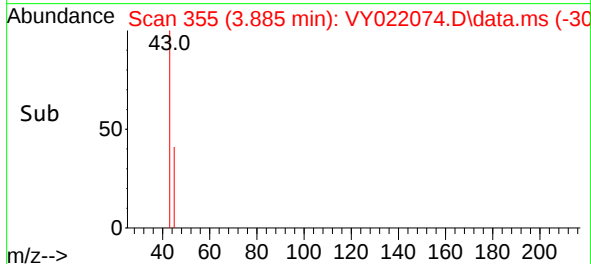
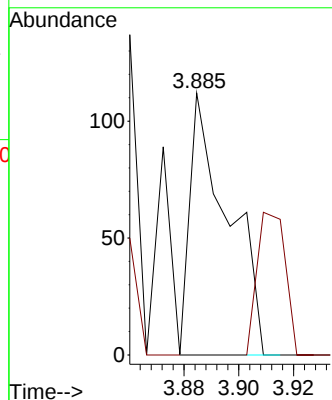
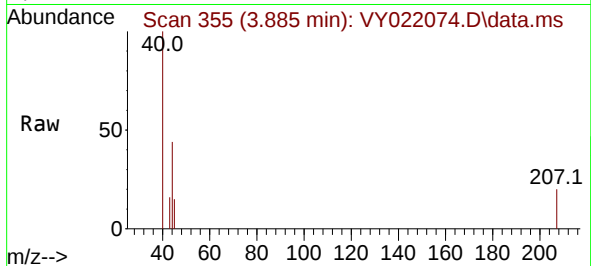




#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

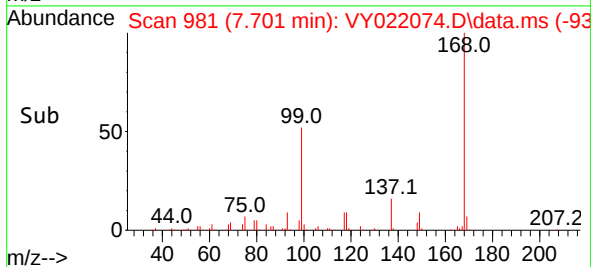
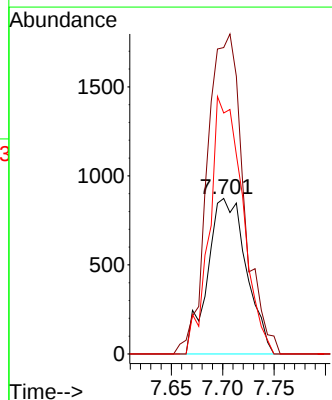
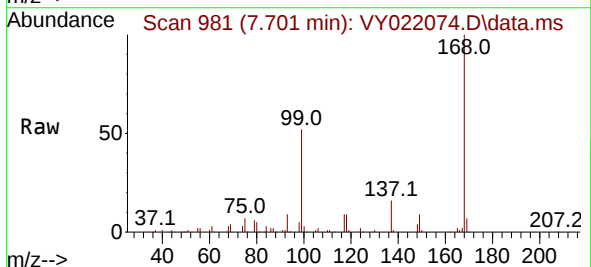
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

Tgt Ion: 56 Resp: 2286
Ion Ratio Lower Upper
56 100
69 197.1 29.4 44.2#
84 155.0 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 40.510 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022074.D

Acq: 30 Apr 2025 11:37

Instrument :

MSVOA_Y

ClientSampleId :

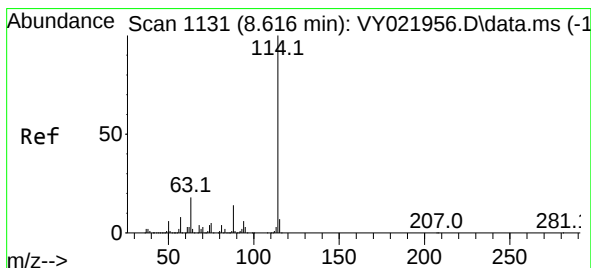
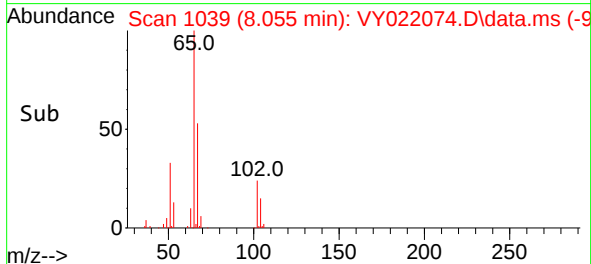
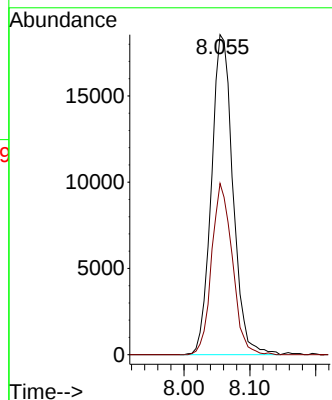
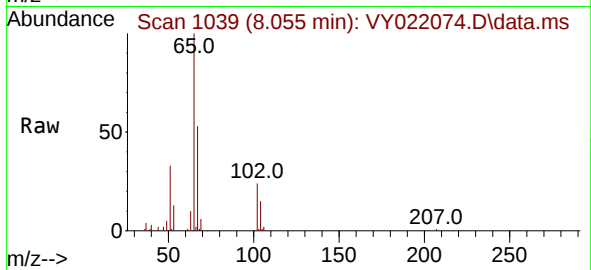
EO-03-04292025

Tgt Ion: 65 Resp: 42291

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022074.D

Acq: 30 Apr 2025 11:37

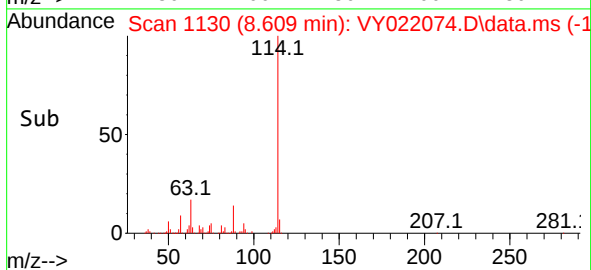
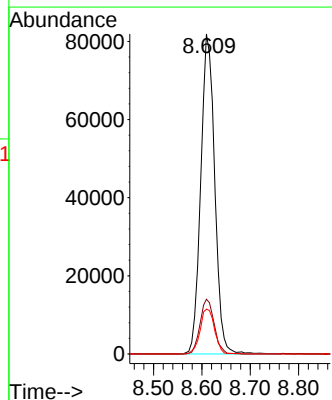
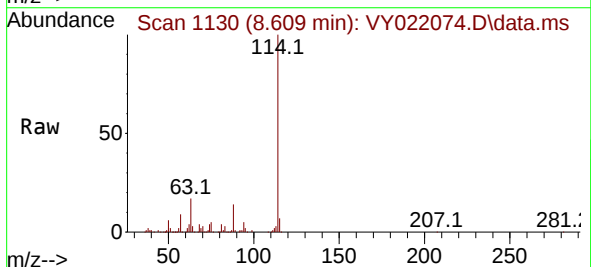
Tgt Ion: 114 Resp: 164456

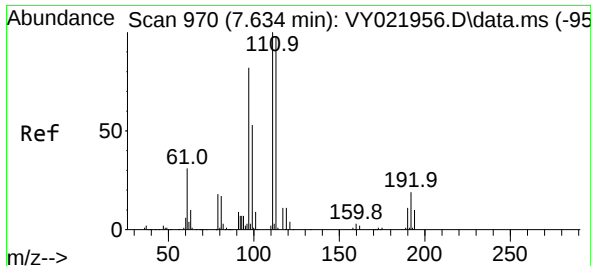
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 53.389 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022074.D

Acq: 30 Apr 2025 11:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-04292025

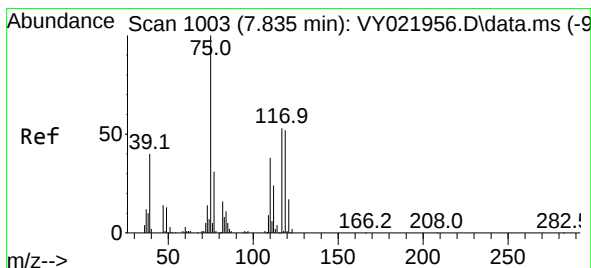
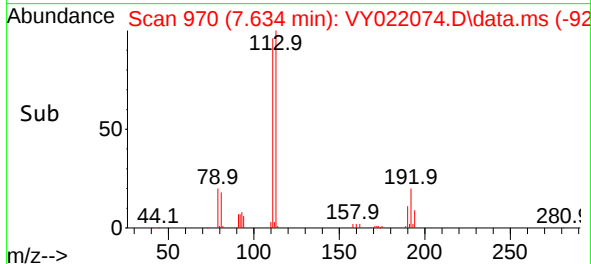
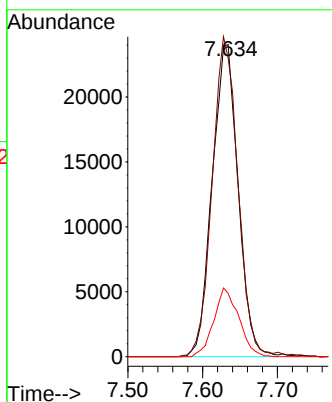
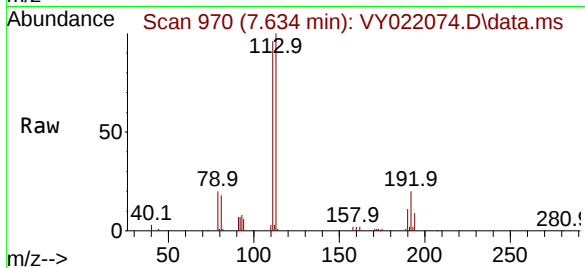
Tgt Ion:113 Resp: 58006

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 21.2 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.409 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022074.D

Acq: 30 Apr 2025 11:37

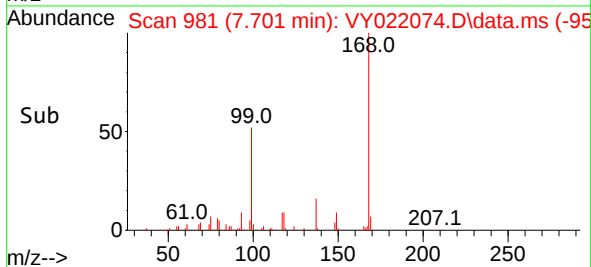
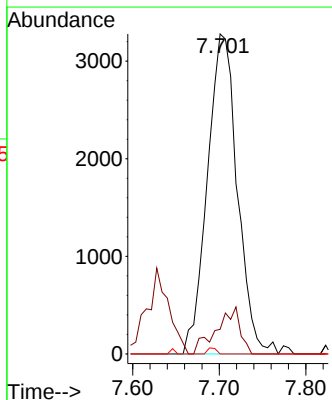
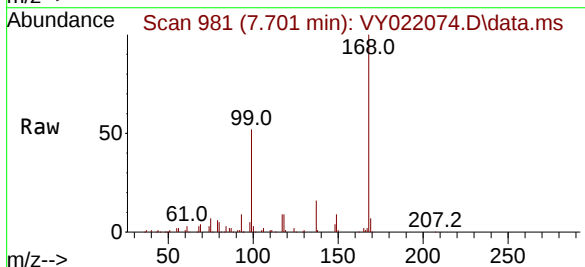
Tgt Ion: 75 Resp: 7894

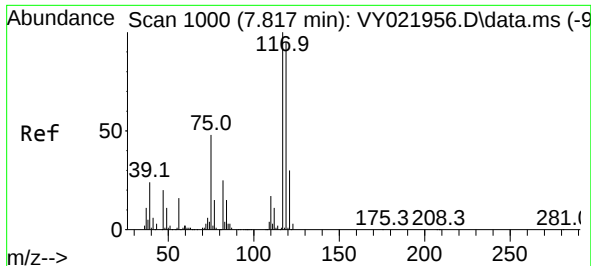
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

77 0.6 25.5 38.3#

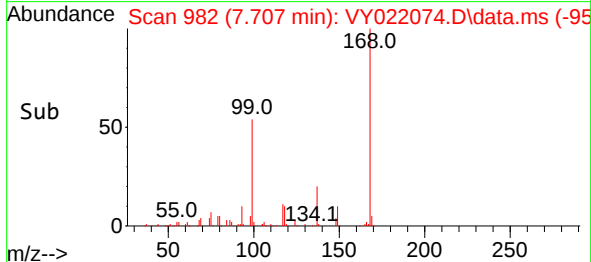
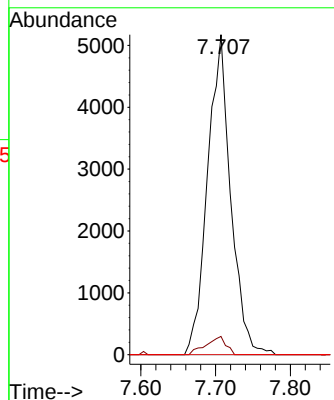
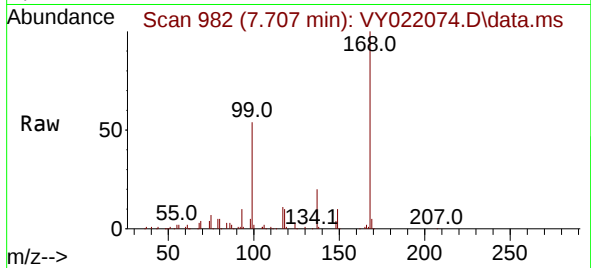




#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

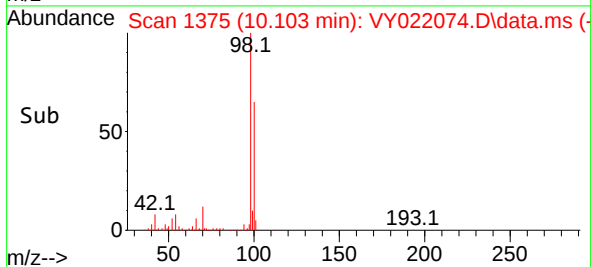
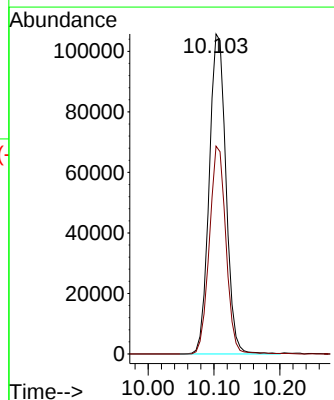
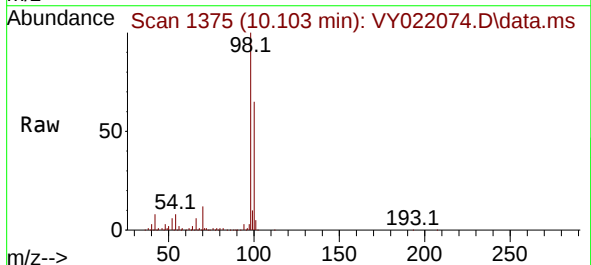
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025

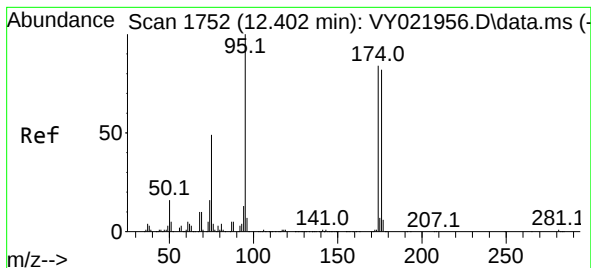
Tgt Ion:117 Resp: 11145
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.668 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

Tgt Ion: 98 Resp: 187058
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

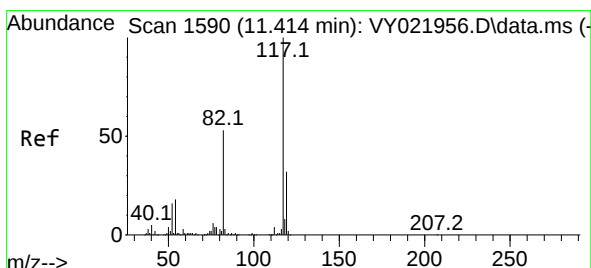
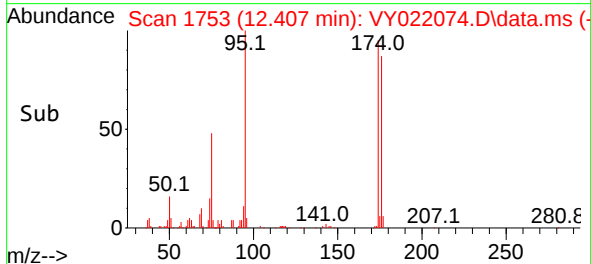
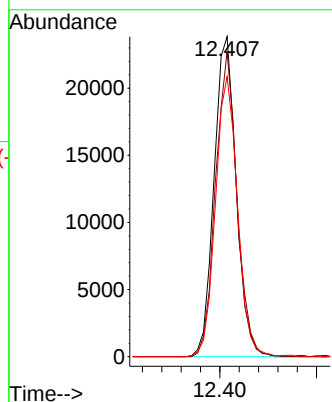
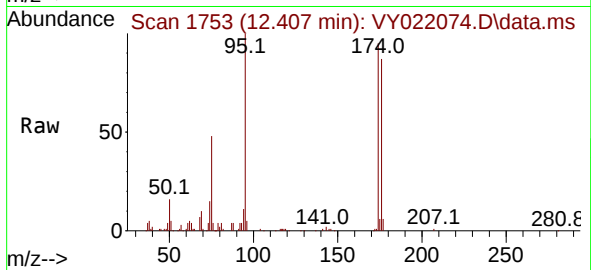




#62
4-Bromofluorobenzene
Concen: 27.397 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

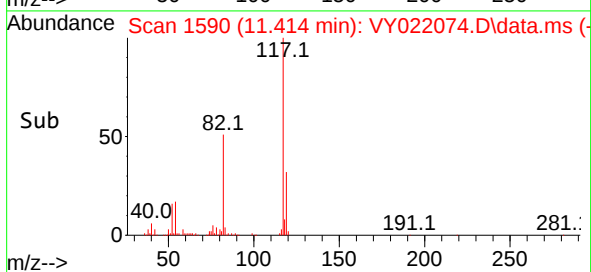
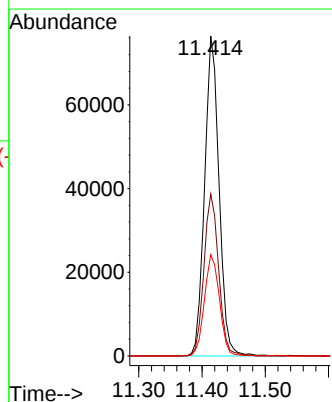
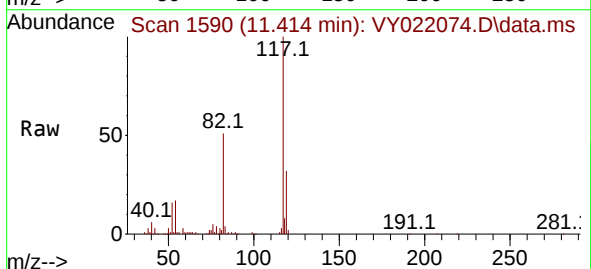
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ClientSampleId :
EO-03-04292025

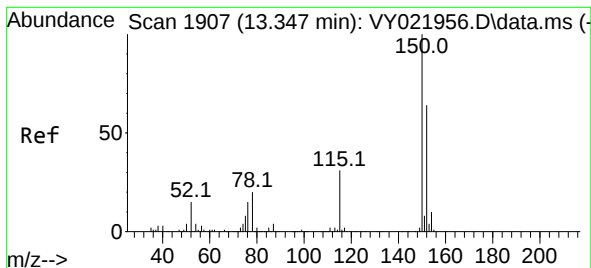
Tgt Ion: 95 Resp: 37777
Ion Ratio Lower Upper
95 100
174 92.0 0.0 179.0
176 86.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

Tgt Ion: 117 Resp: 121823
Ion Ratio Lower Upper
117 100
82 50.6 42.1 63.1
119 31.6 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: VY022074.D

Acq: 30 Apr 2025 11:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-04292025

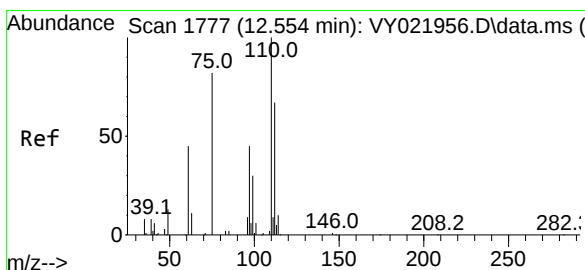
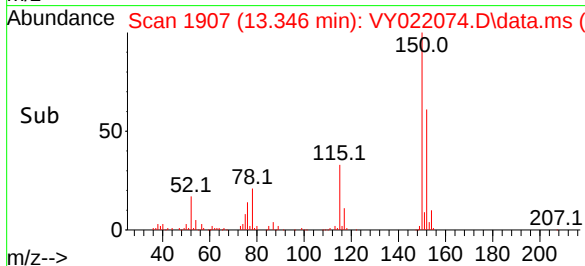
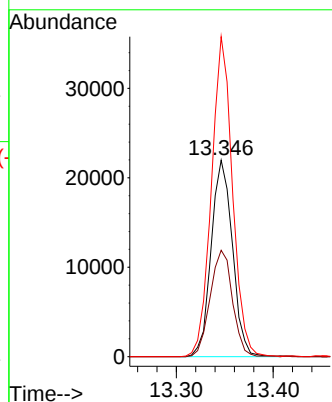
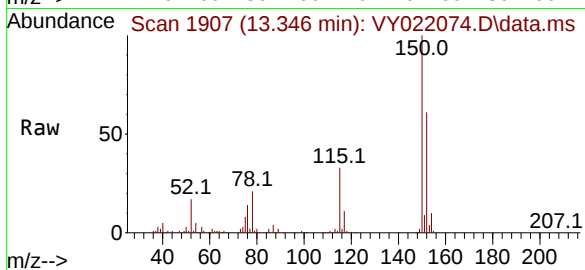
Tgt Ion:152 Resp: 33594

Ion Ratio Lower Upper

152 100

115 56.7 28.0 84.0

150 161.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.183 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022074.D

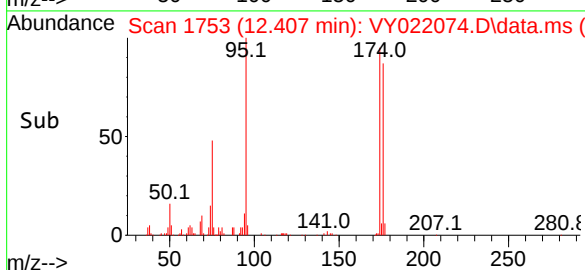
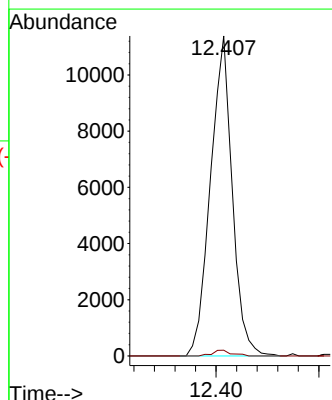
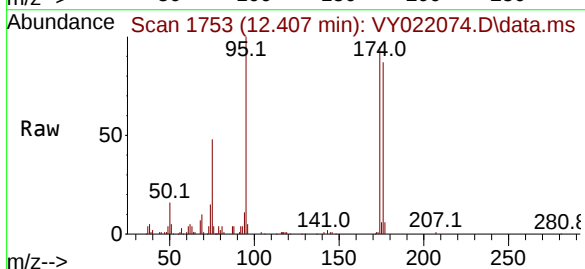
Acq: 30 Apr 2025 11:37

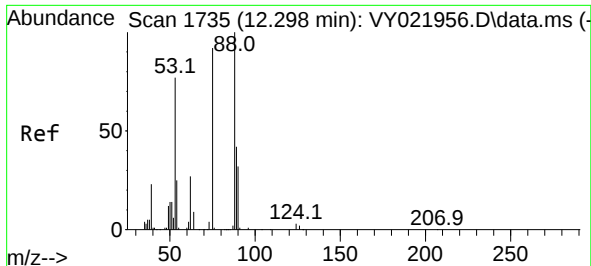
Tgt Ion: 75 Resp: 16742

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

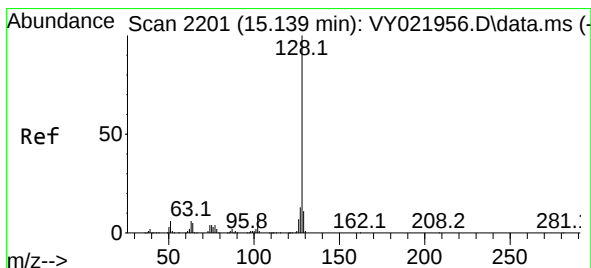
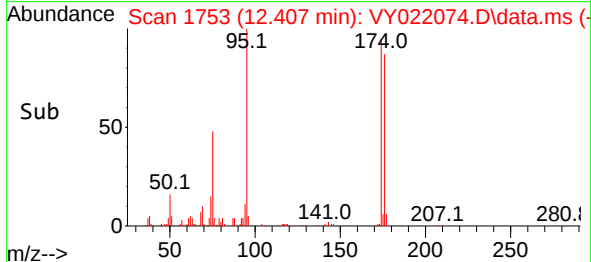
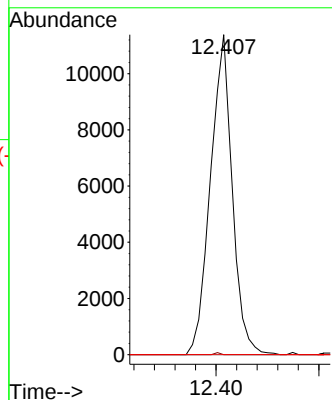
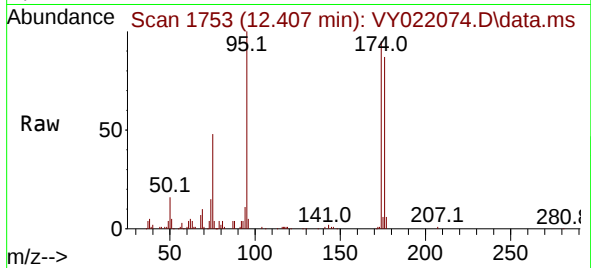




#81
trans-1,4-Dichloro-2-butene
Concen: 140.112 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

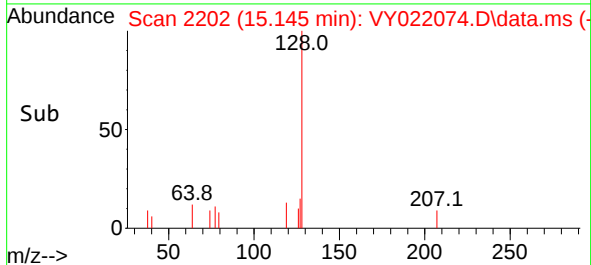
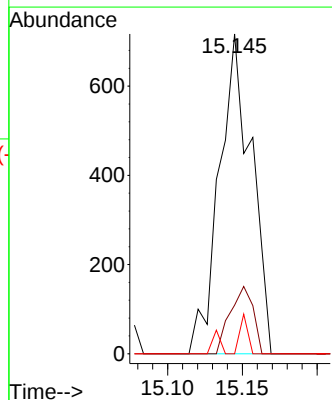
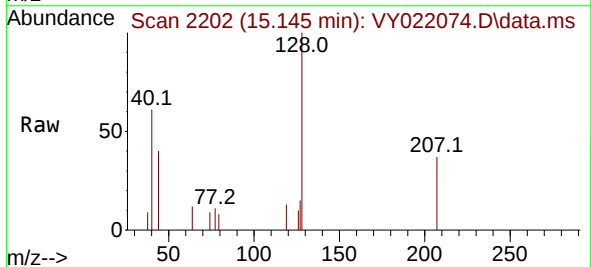
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025

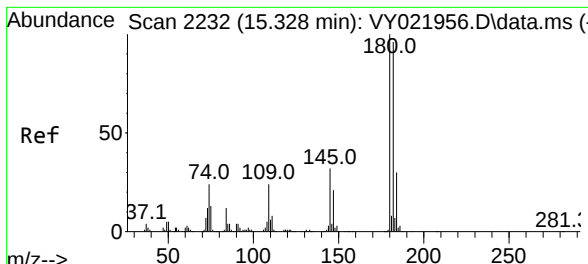
Tgt Ion: 75 Resp: 16742
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.130 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022074.D
Acq: 30 Apr 2025 11:37

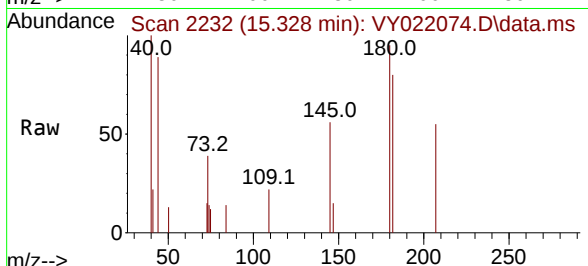
Tgt Ion:128 Resp: 1069
Ion Ratio Lower Upper
128 100
127 15.2 10.6 16.0
129 3.1 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.256 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY022074.D
 Acq: 30 Apr 2025 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-04292025



Tgt Ion:	180	Resp:	617
Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.4
145	50.6	16.0	48.0#

