

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022092.D
 Acq On : 30 Apr 2025 19:03
 Operator : SY/MD
 Sample : Q1917-03
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-JJ-VOC

Quant Time: May 01 01:41:04 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

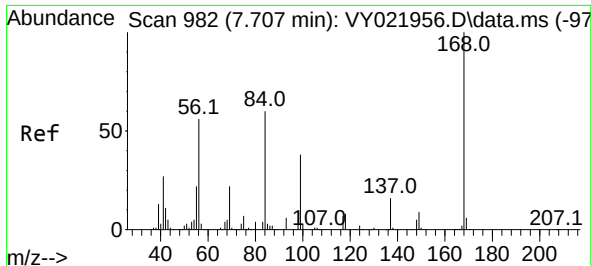
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	378259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	725931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	272564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195087	55.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.680%	
35) Dibromofluoromethane	7.634	113	246518	51.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.103	98	878129	48.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.408	95	263362	43.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	308	1.606	ug/l #	70
16) Acetone	3.866	43	3349	Below Cal		99
20) Methylene Chloride	4.616	84	6565	1.486	ug/l #	84
31) Cyclohexane	7.707	56	6962	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	27024	4.195	ug/l #	48
38) Carbon Tetrachloride	7.707	117	36500	4.742	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2629	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	124848	53.476	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	124848	128.779	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

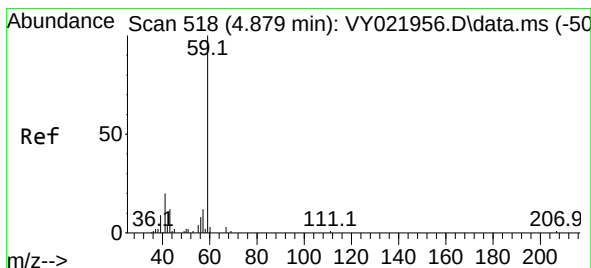
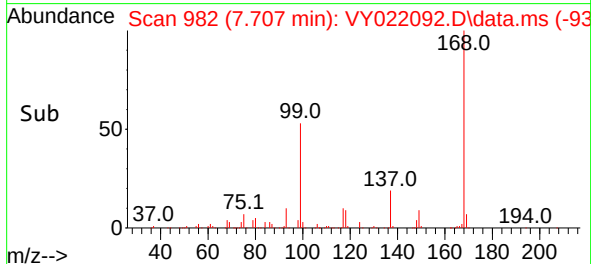
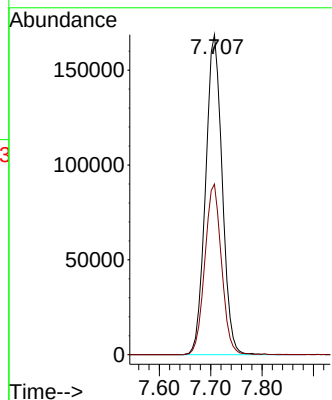
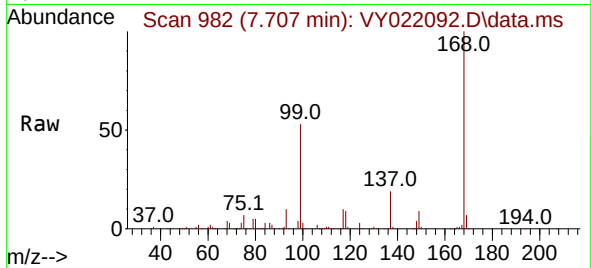




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

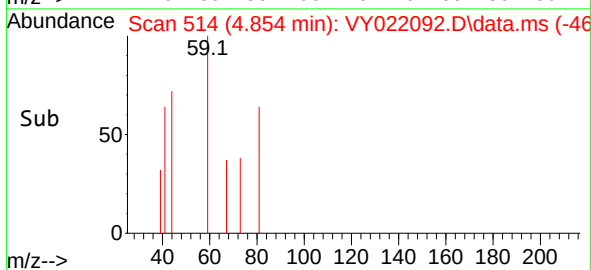
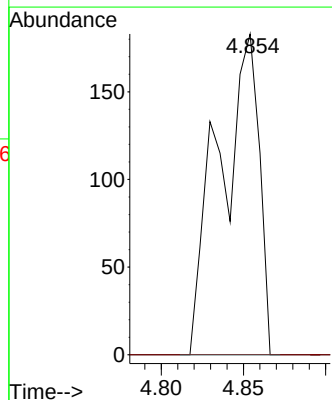
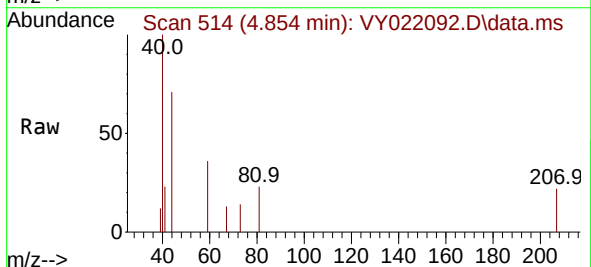
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

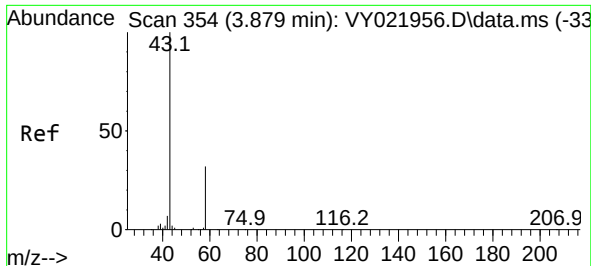
Tgt Ion:168 Resp: 378259
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.606 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.025 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

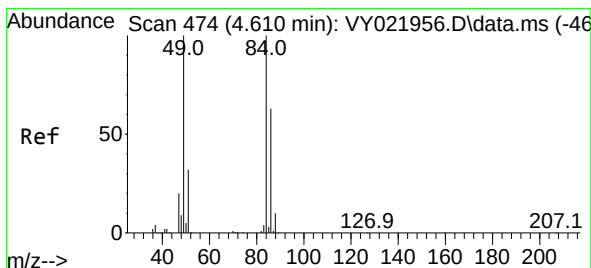
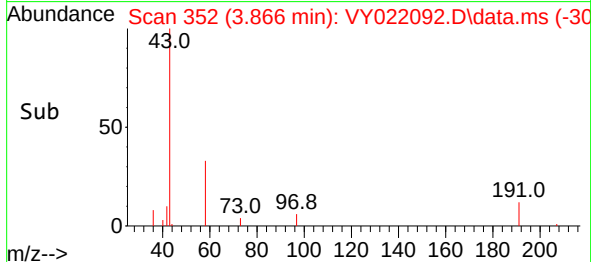
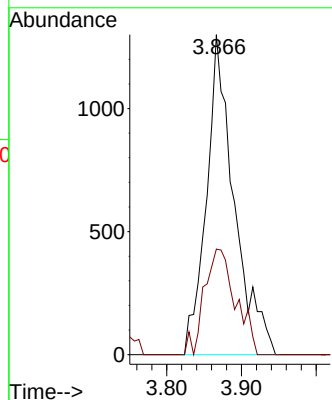
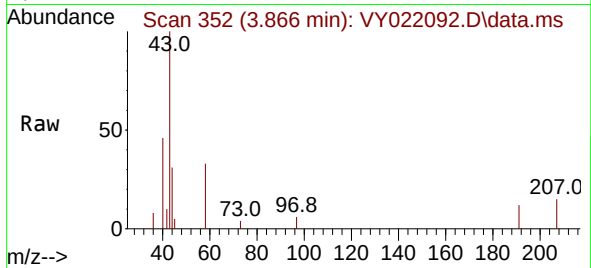




#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

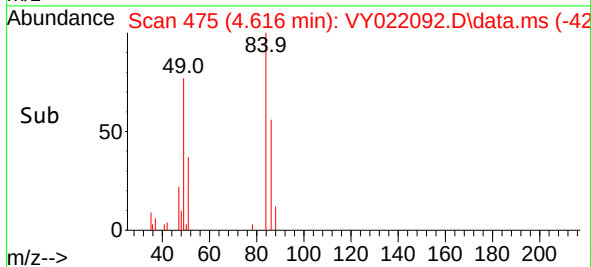
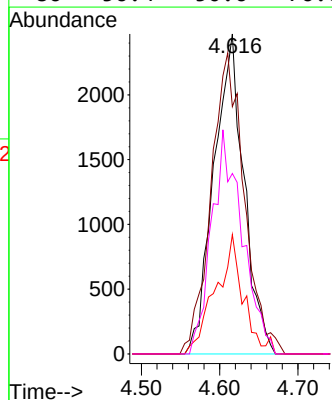
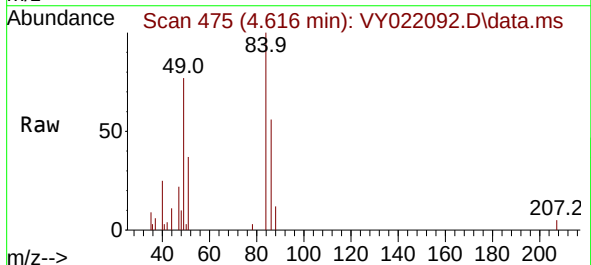
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

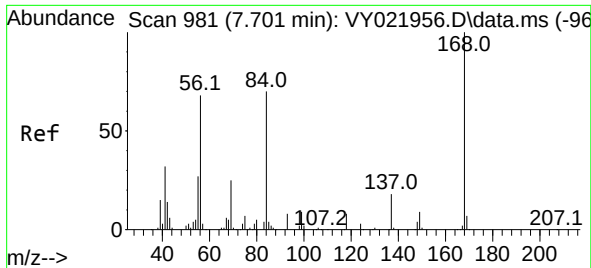
Tgt Ion: 43 Resp: 3349
Ion Ratio Lower Upper
43 100
58 33.0 27.0 40.4



#20
Methylene Chloride
Concen: 1.486 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 84 Resp: 6565
Ion Ratio Lower Upper
84 100
49 77.3 79.9 119.9#
51 37.3 25.4 38.0
86 56.4 50.6 76.0

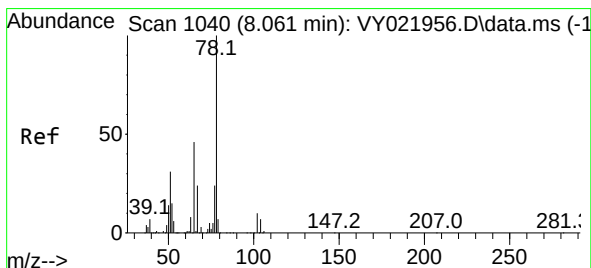
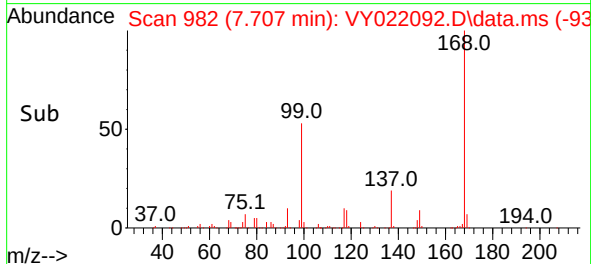
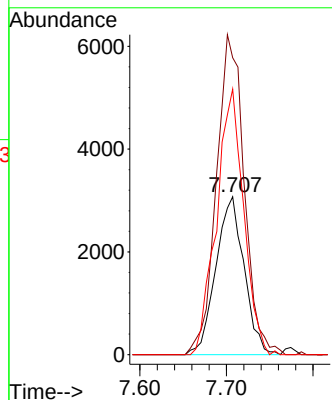
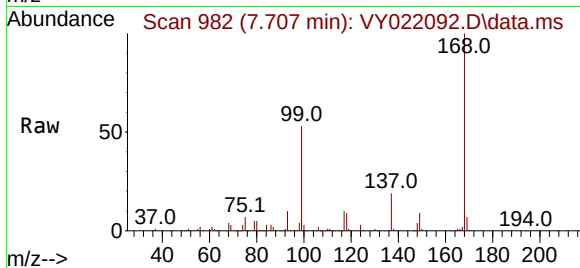




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

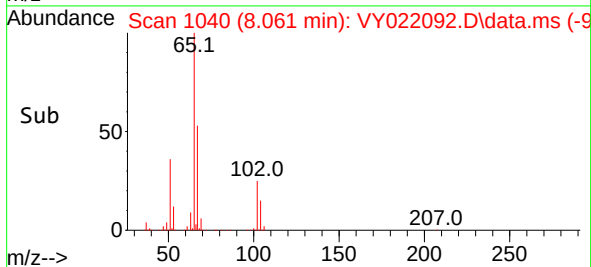
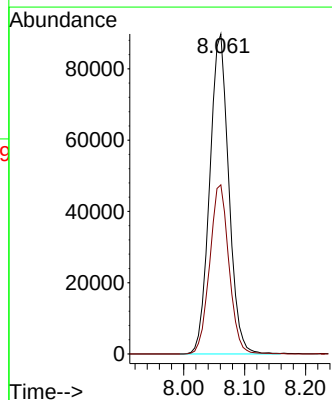
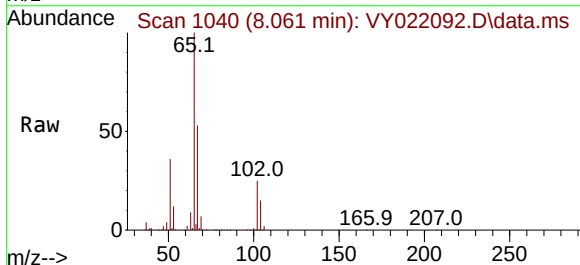
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

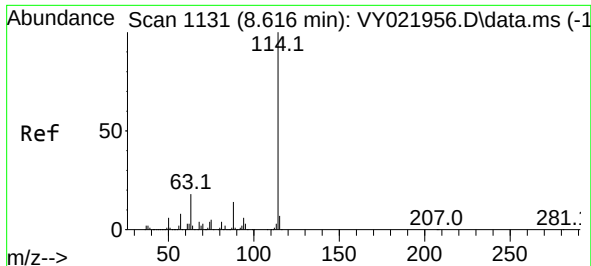
Tgt Ion: 56 Resp: 6962
Ion Ratio Lower Upper
56 100
69 188.1 29.4 44.2#
84 168.3 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 55.836 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 65 Resp: 195087
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

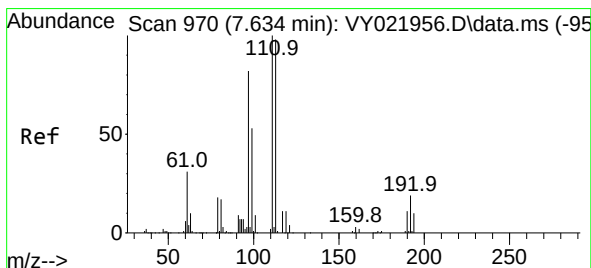
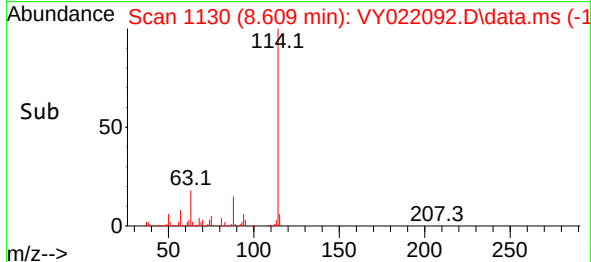
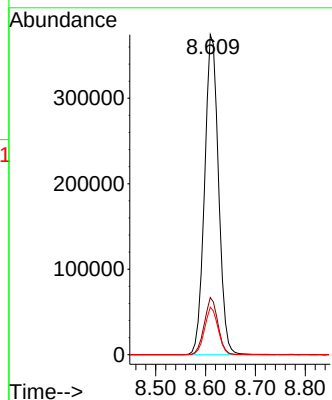
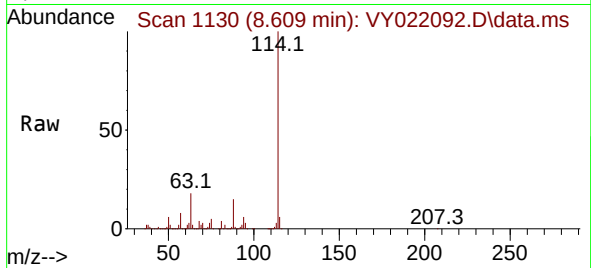




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

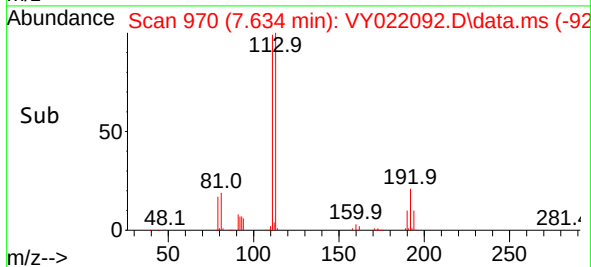
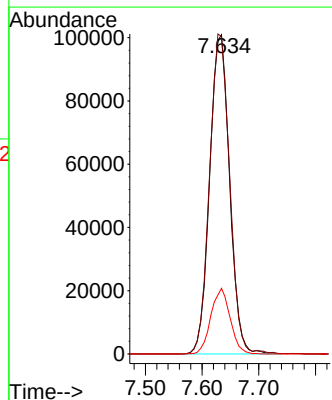
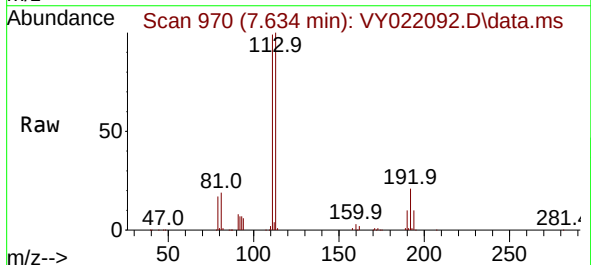
Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

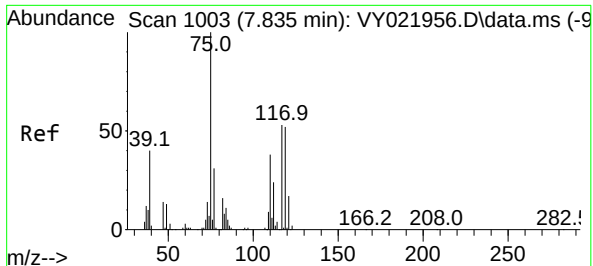
Tgt Ion:114 Resp: 725931
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.4
88 14.9 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.402 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion:113 Resp: 246518
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 19.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.195 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022092.D

Acq: 30 Apr 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-JJ-VOC

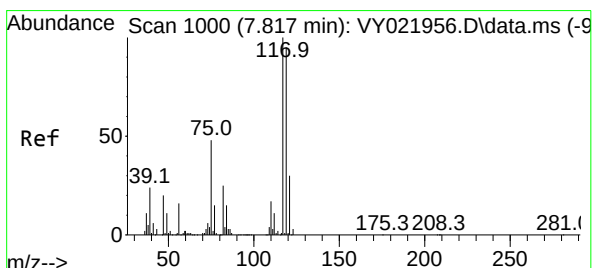
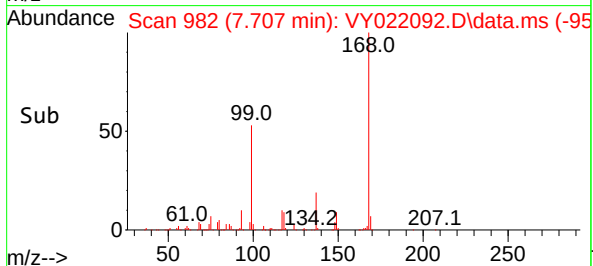
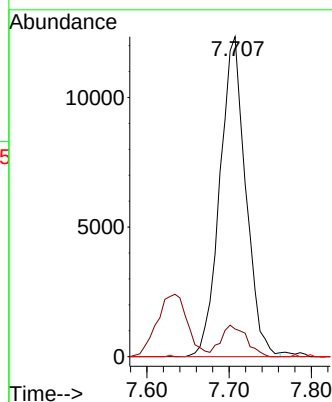
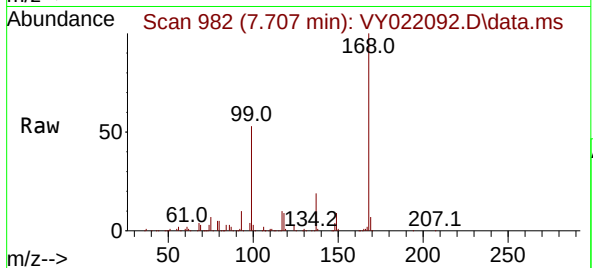
Tgt Ion: 75 Resp: 27024

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.742 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022092.D

Acq: 30 Apr 2025 19:03

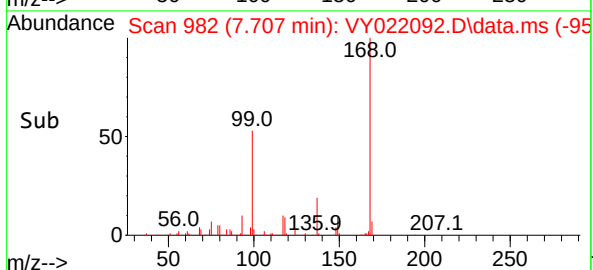
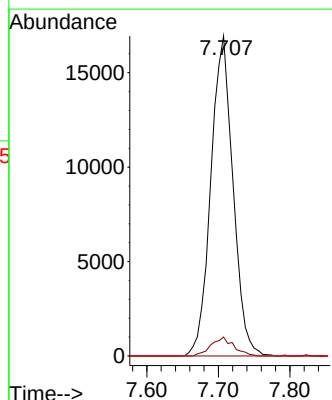
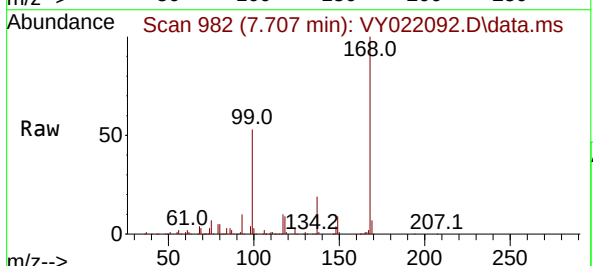
Tgt Ion: 117 Resp: 36500

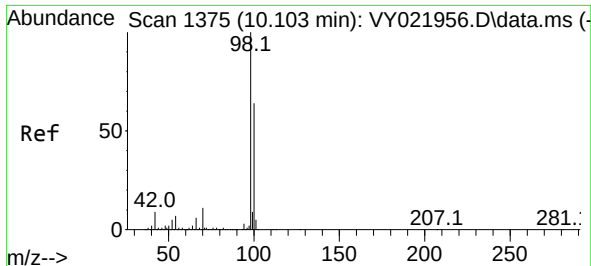
Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.4#

121 0.0 24.0 36.0#

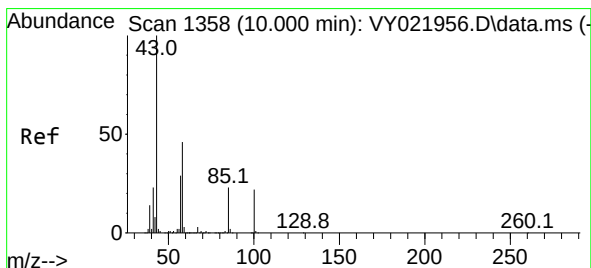
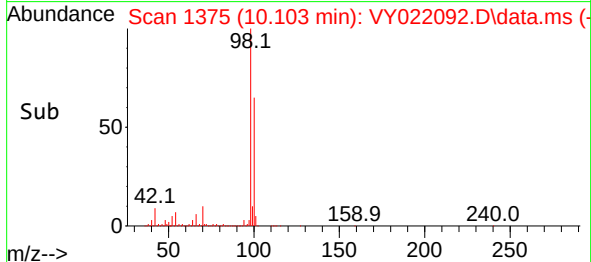
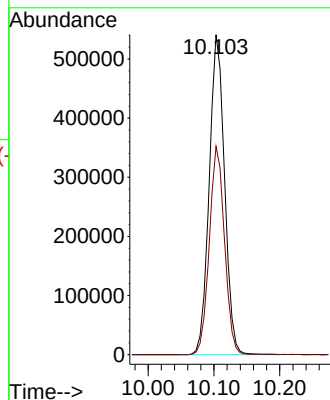
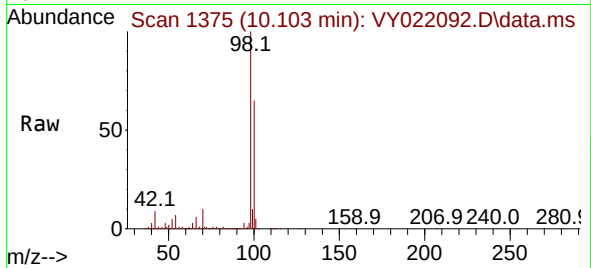




#50
Toluene-d8
Concen: 48.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

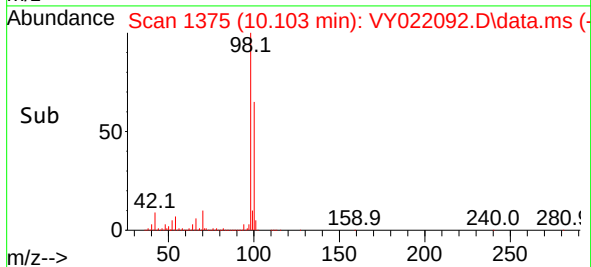
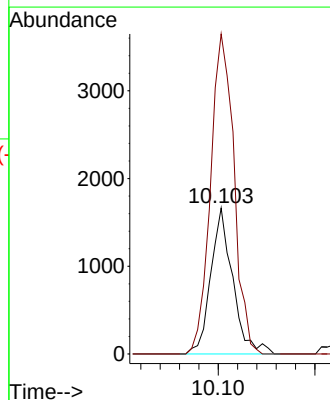
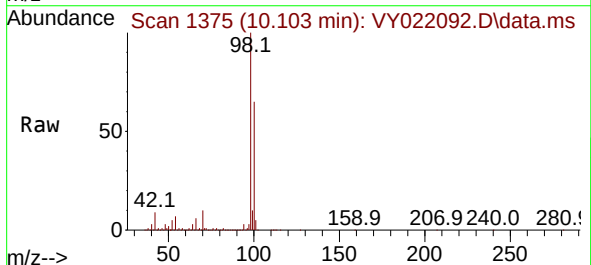
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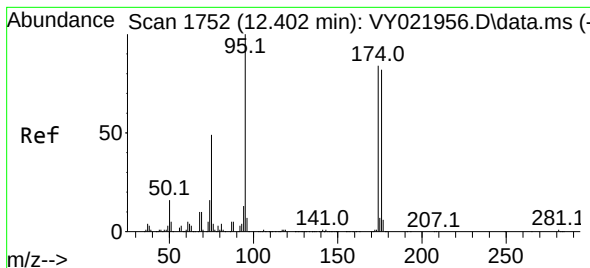
Tgt Ion: 98 Resp: 878129
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.129 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
58 233.3 36.6 55.0#





#62

4-Bromofluorobenzene

Concen: 43.269 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022092.D

Acq: 30 Apr 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-JJ-VOC

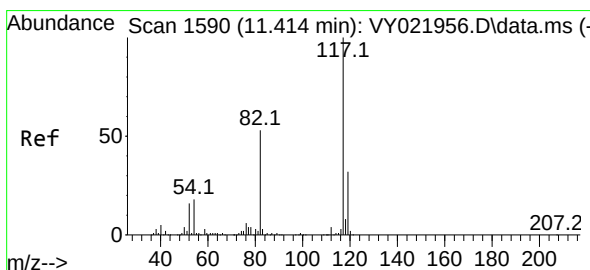
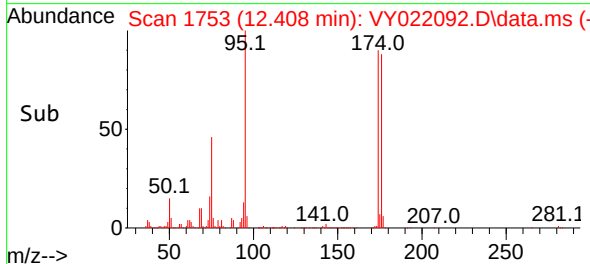
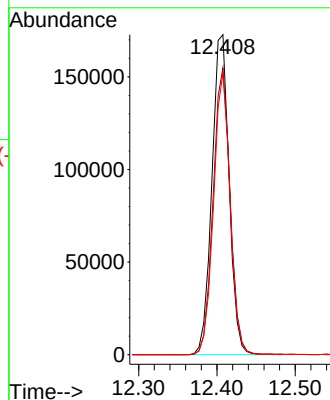
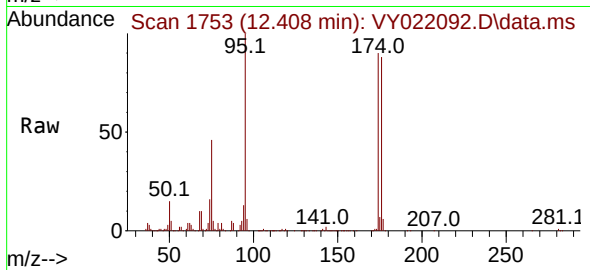
Tgt Ion: 95 Resp: 263362

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.0

176 84.9 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: VY022092.D

Acq: 30 Apr 2025 19:03

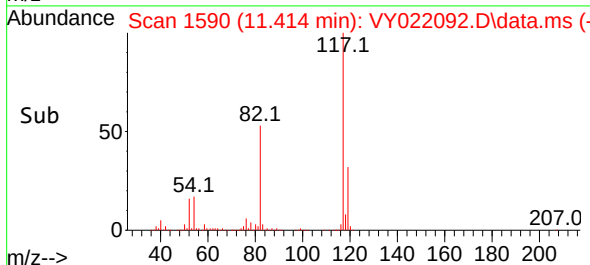
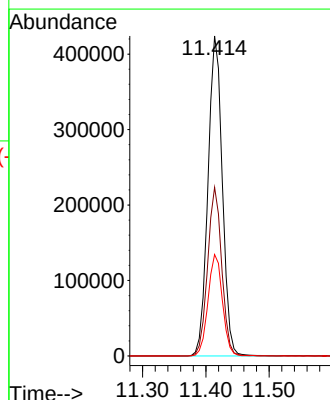
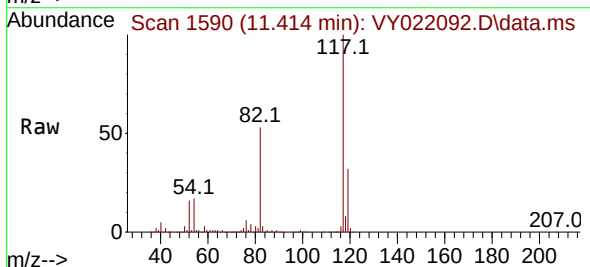
Tgt Ion: 117 Resp: 669951

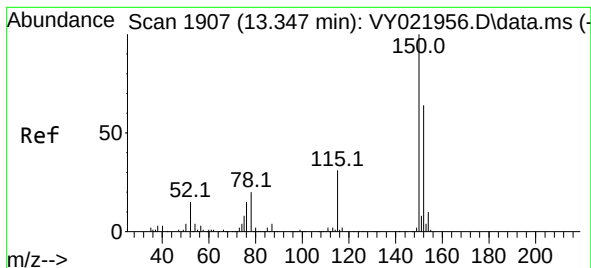
Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

119 31.7 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: VY022092.D

Acq: 30 Apr 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :

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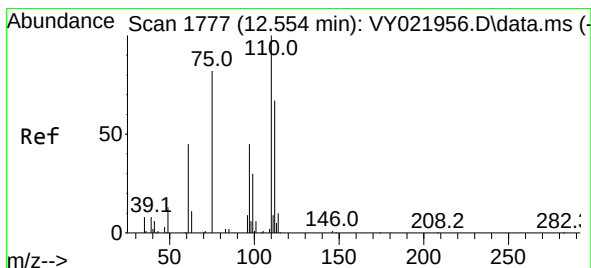
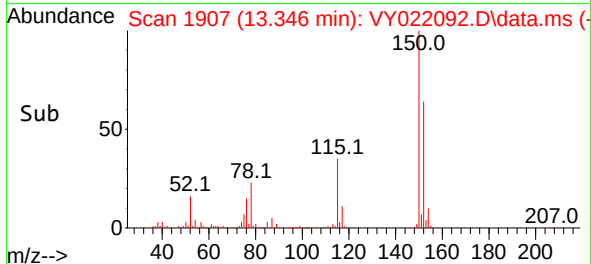
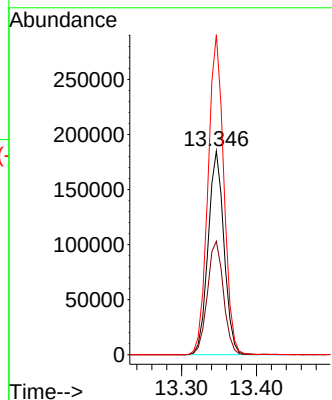
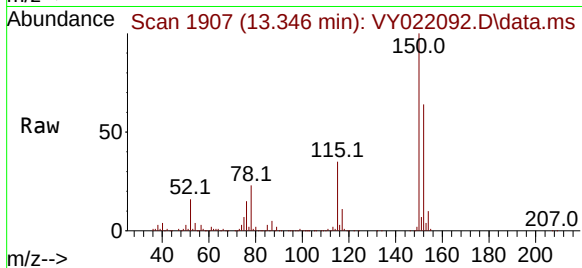
Tgt Ion:152 Resp: 272564

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 156.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 53.476 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022092.D

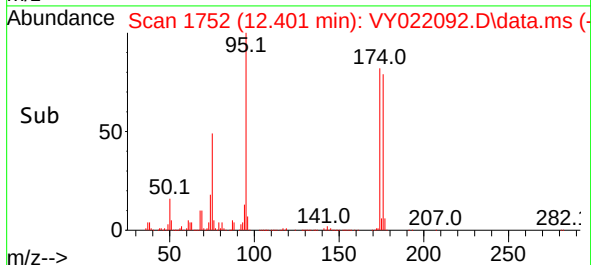
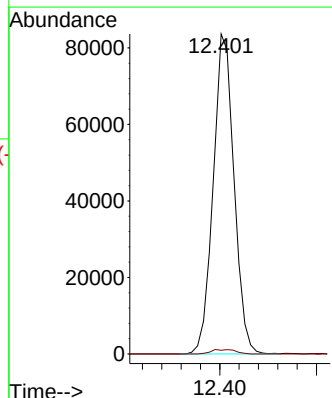
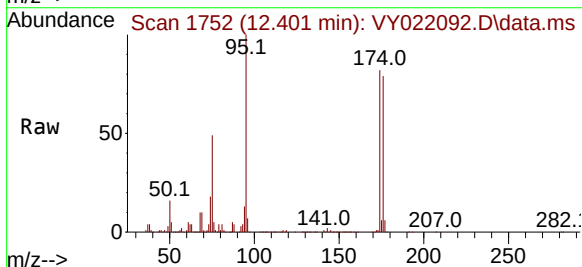
Acq: 30 Apr 2025 19:03

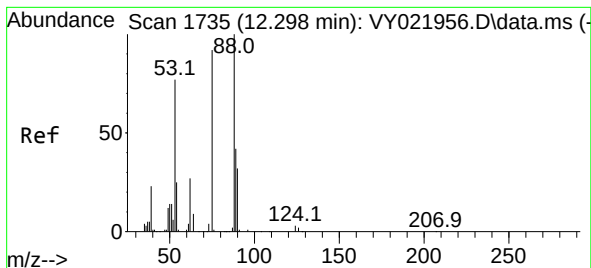
Tgt Ion: 75 Resp: 124848

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.779 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022092.D
Acq: 30 Apr 2025 19:03

Instrument :
MSVOA_Y
ClientSampleId :
MH-JJ-VOC

Tgt Ion: 75 Resp: 124848
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 37.2 55.8#

