

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021981.D
 Acq On : 23 Apr 2025 18:58
 Operator : SY/MD
 Sample : Q1859-01
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Apr 24 03:48:00 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	315119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	594440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	522816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	198189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155914	53.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.140%	
35) Dibromofluoromethane	7.634	113	197379	50.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.103	98	719773	48.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.240%	
62) 4-Bromofluorobenzene	12.408	95	199467	40.020	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	480	Below Cal	#	41
31) Cyclohexane	7.701	56	5931	1.233	ug/l #	2
36) 1,1-Dichloropropene	7.701	75	23765	4.505	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30789	4.884	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2366	1.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	97035	57.161	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	97035	137.651	ug/l #	16

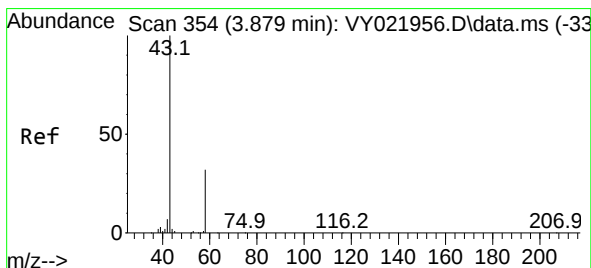
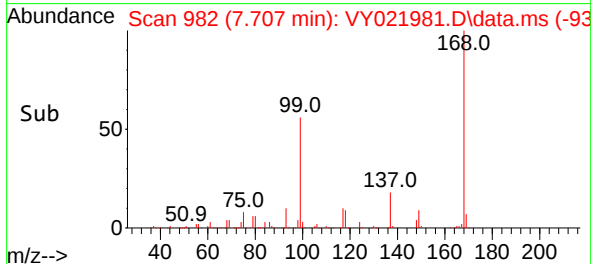
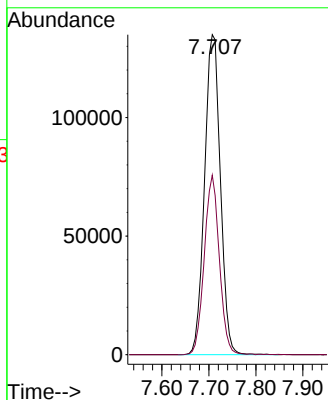
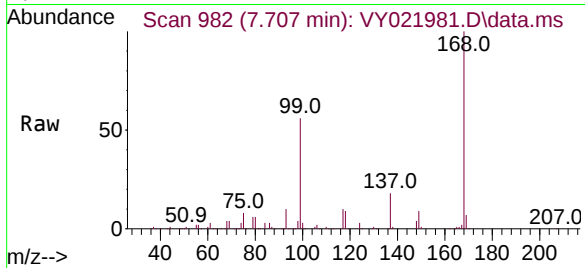
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

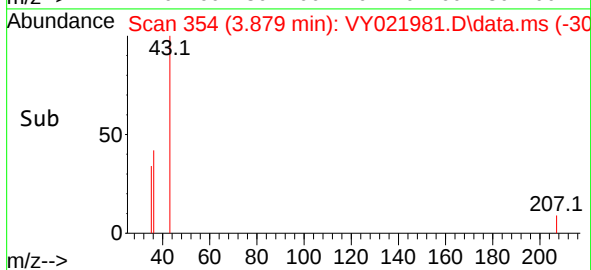
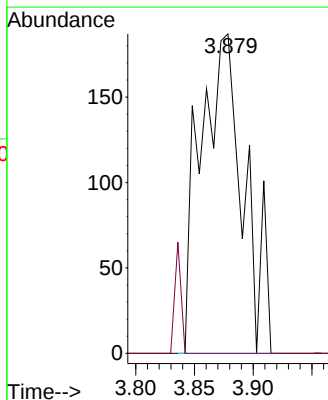
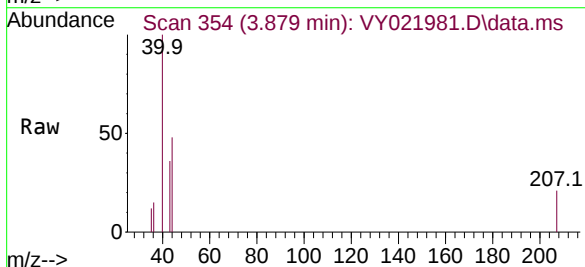
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

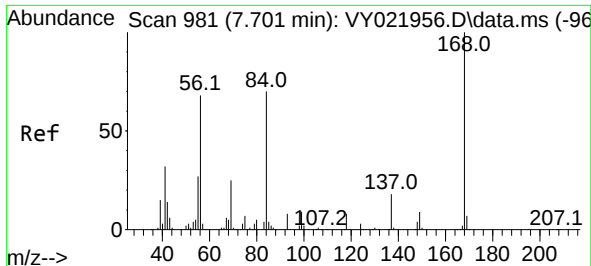
Tgt Ion:168 Resp: 315119
Ion Ratio Lower Upper
168 100
99 56.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

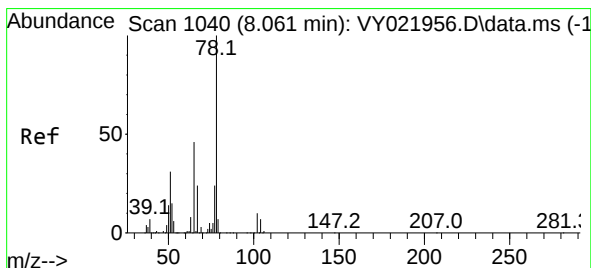
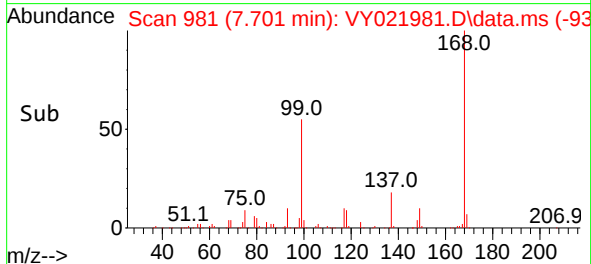
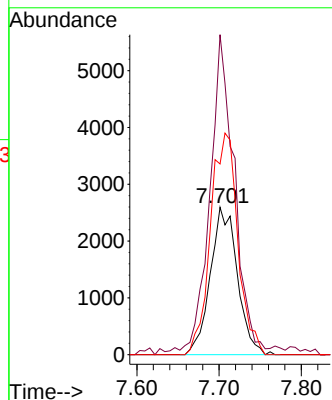
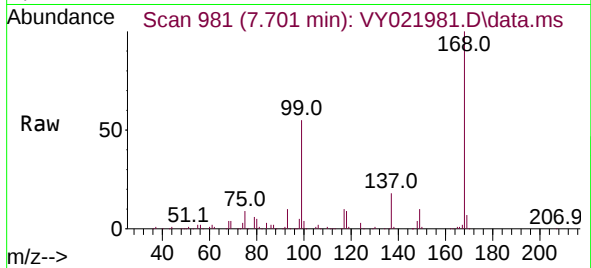




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

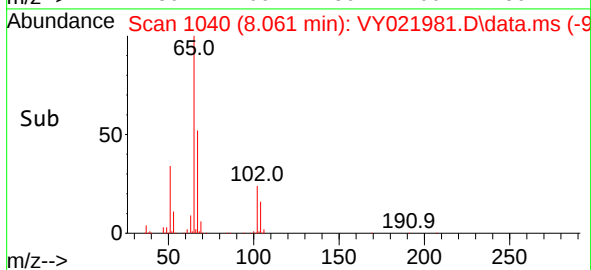
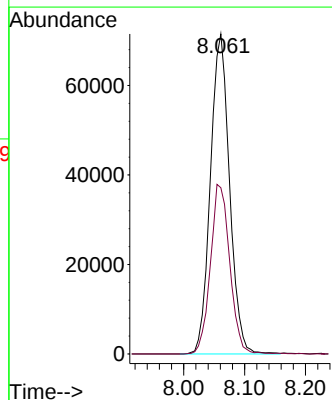
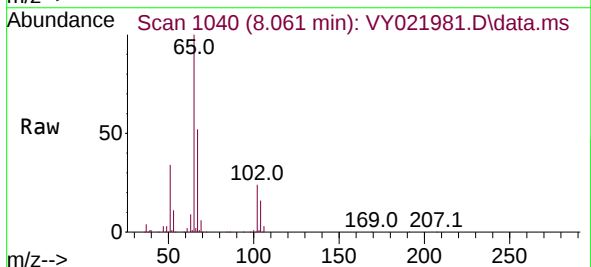
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MSVOA_Y
ClientSampleId :
COMP-1

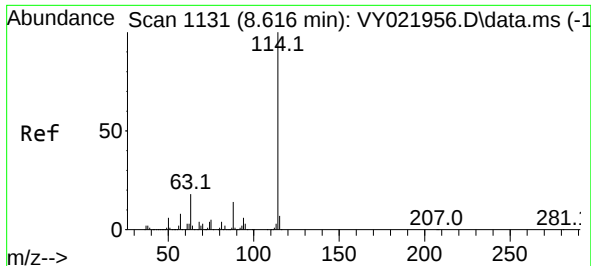
Tgt Ion: 56 Resp: 5931
Ion Ratio Lower Upper
56 100
69 214.2 29.4 44.2#
84 129.5 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.566 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion: 65 Resp: 155914
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

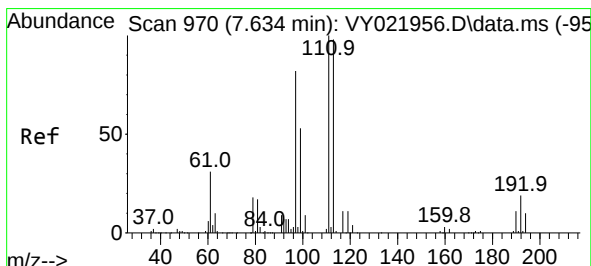
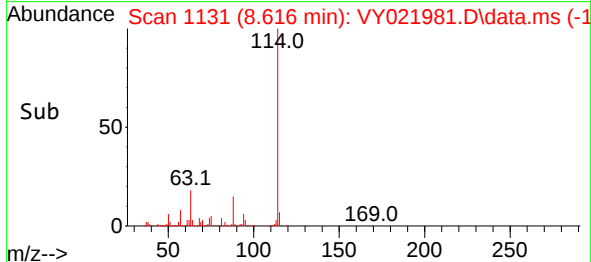
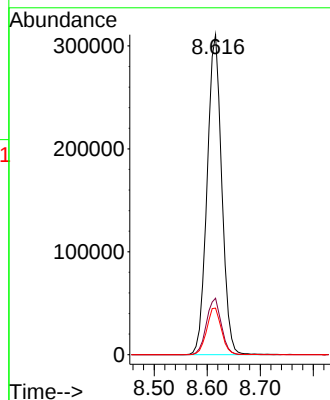
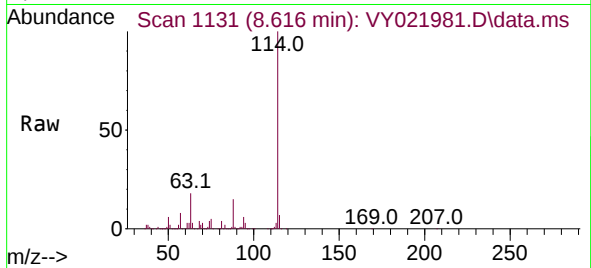




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

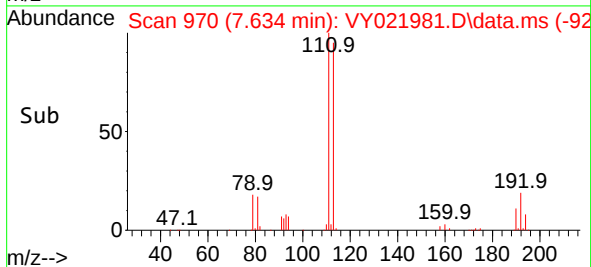
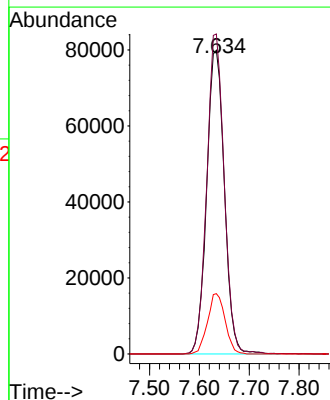
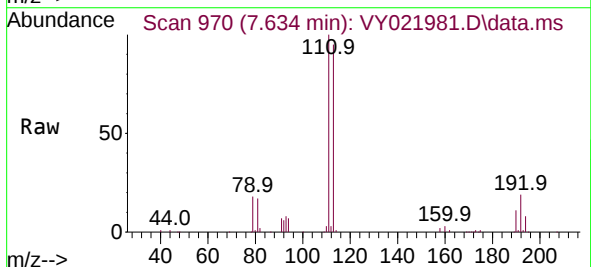
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

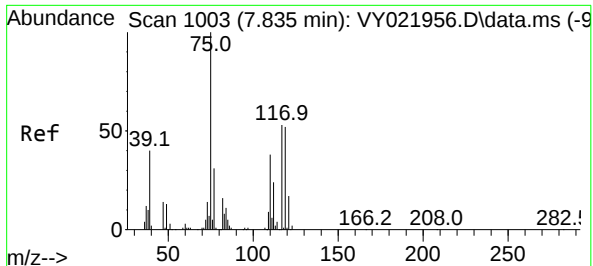
Tgt Ion:114 Resp: 594440
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.260 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion:113 Resp: 197379
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 19.7 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.505 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021981.D

Acq: 23 Apr 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

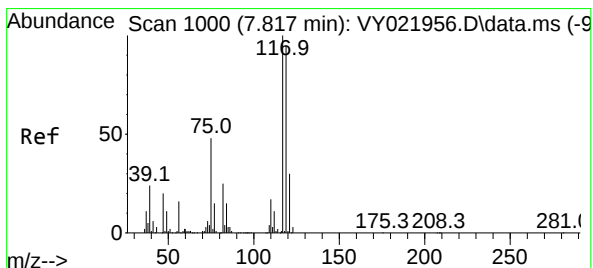
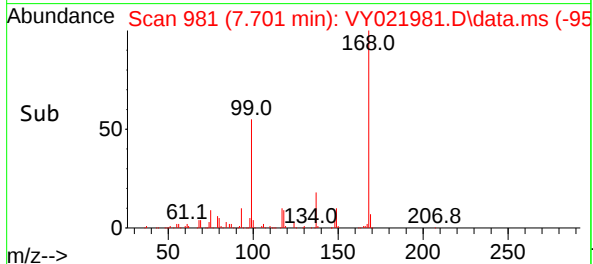
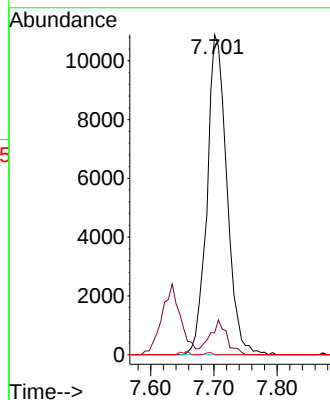
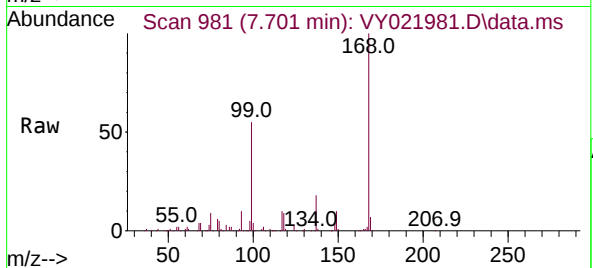
Tgt Ion: 75 Resp: 23765

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.2 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021981.D

Acq: 23 Apr 2025 18:58

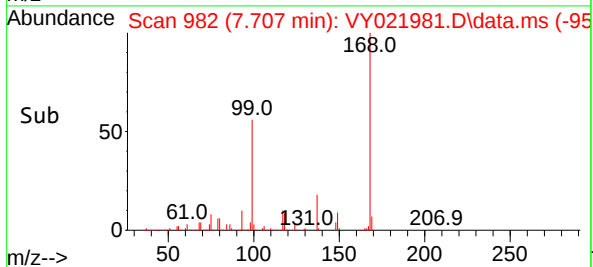
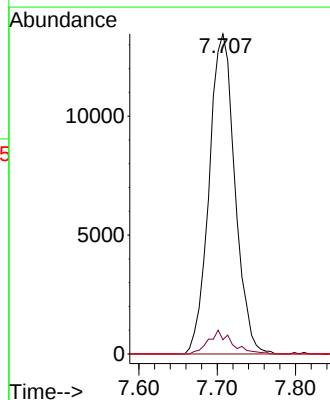
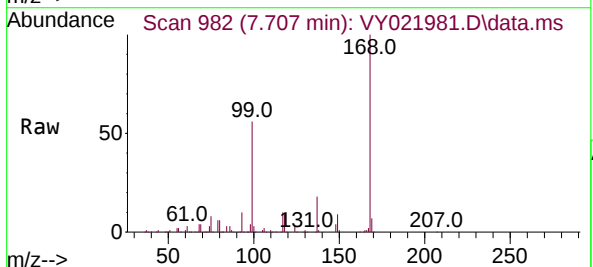
Tgt Ion: 117 Resp: 30789

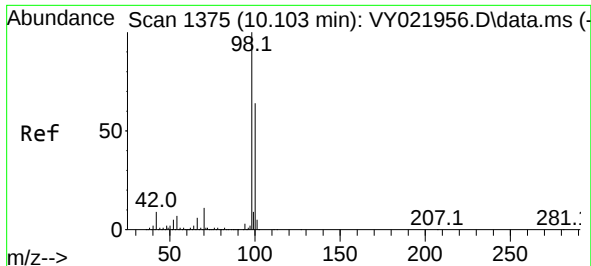
Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.4#

121 0.0 24.0 36.0#

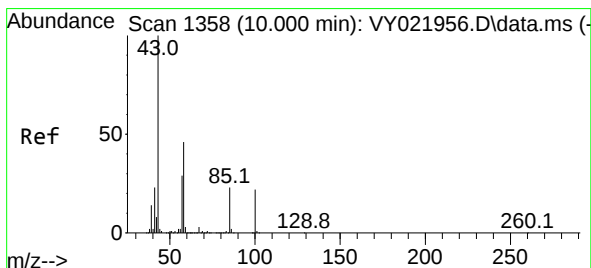
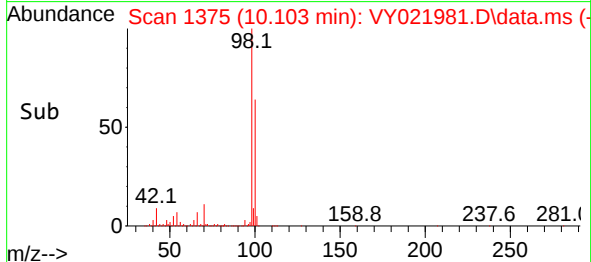
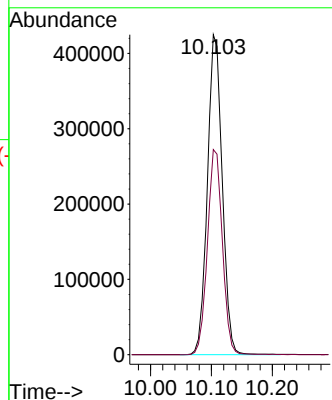
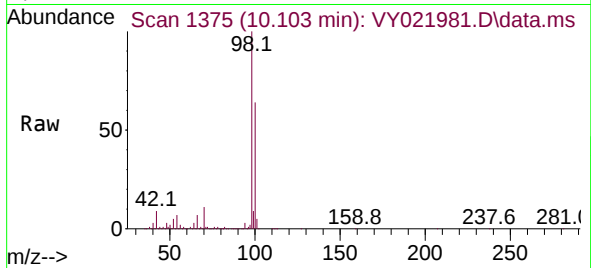




#50
Toluene-d8
Concen: 48.615 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

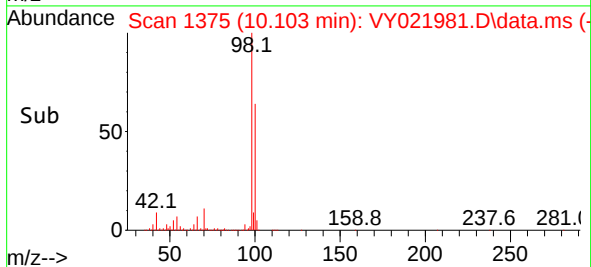
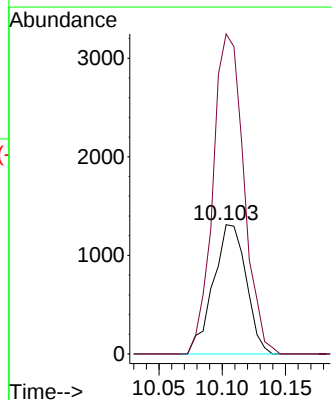
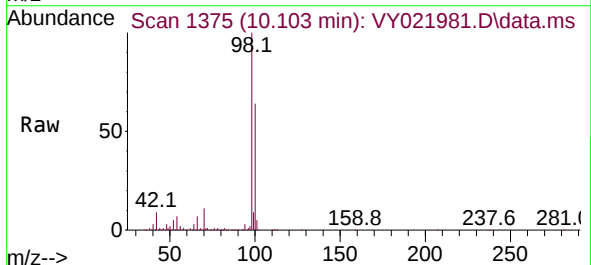
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

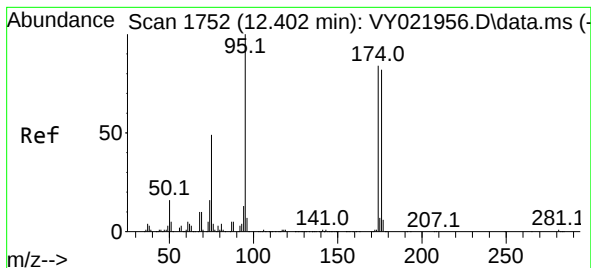
Tgt Ion: 98 Resp: 719773
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 233.3 36.6 55.0#





#62

4-Bromofluorobenzene

Concen: 40.020 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021981.D

Acq: 23 Apr 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

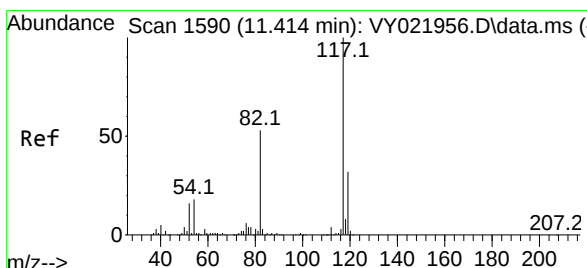
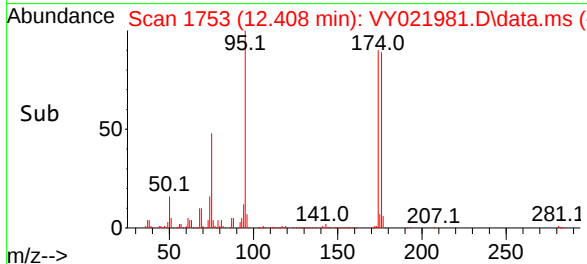
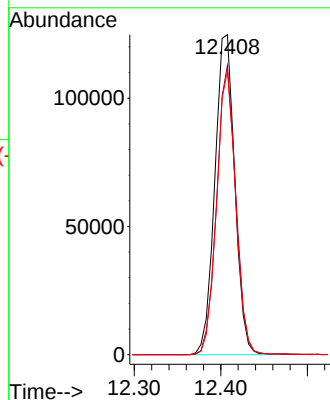
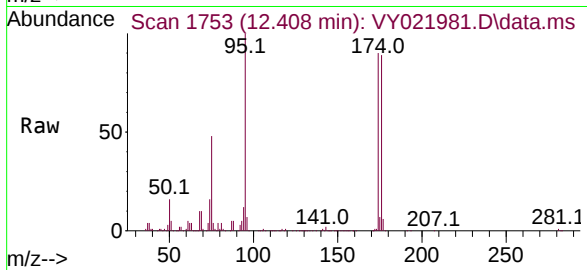
Tgt Ion: 95 Resp: 199467

Ion Ratio Lower Upper

95 100

174 86.8 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: VY021981.D

Acq: 23 Apr 2025 18:58

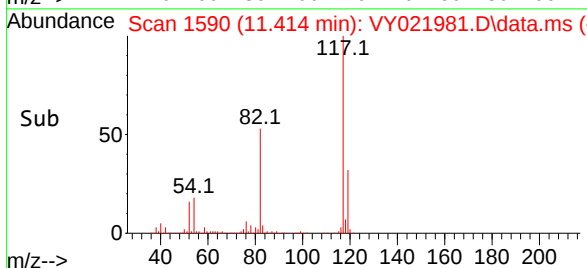
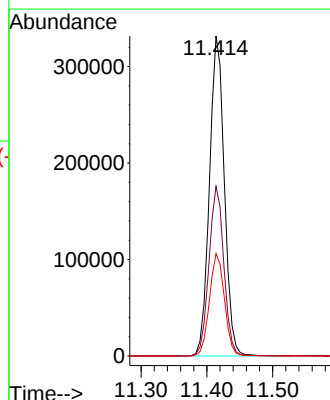
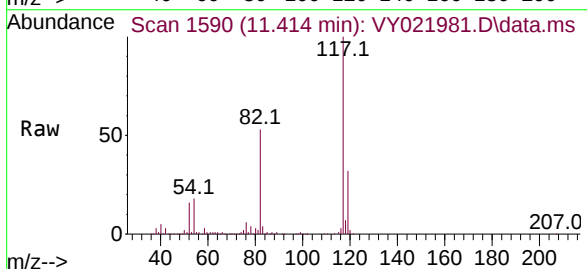
Tgt Ion: 117 Resp: 522816

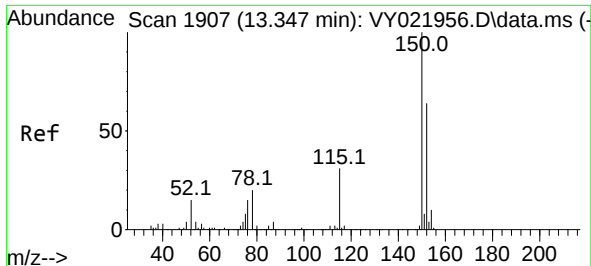
Ion Ratio Lower Upper

117 100

82 53.0 42.1 63.1

119 32.0 25.7 38.5

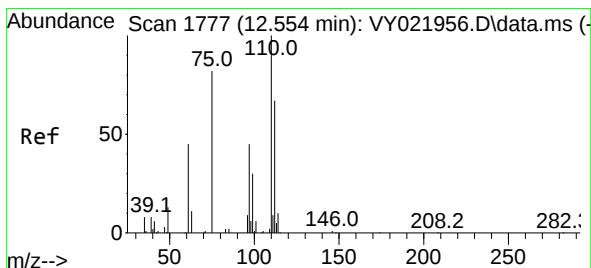
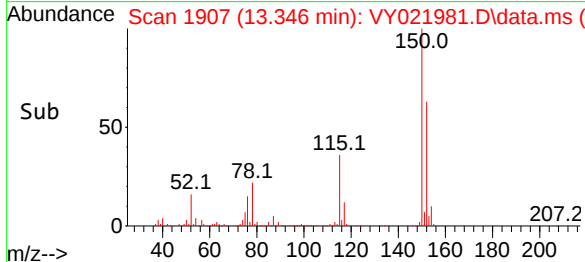
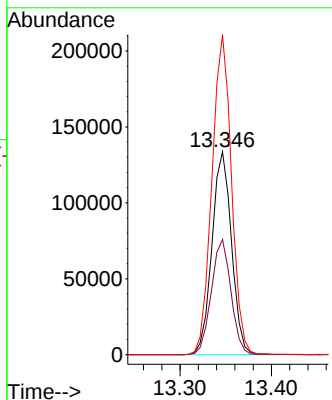
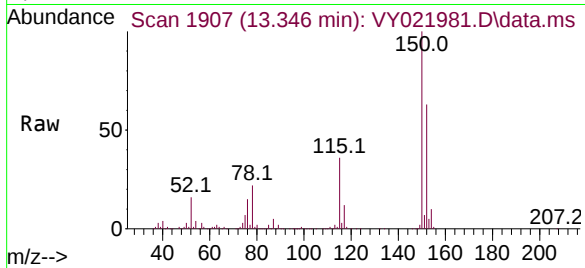




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021981.D
 Acq: 23 Apr 2025 18:58

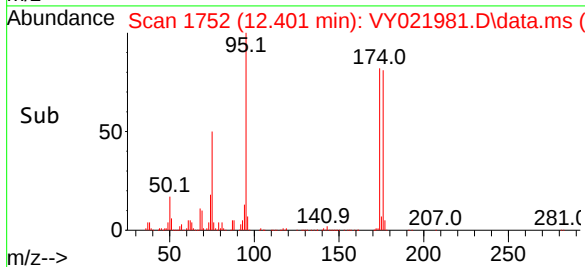
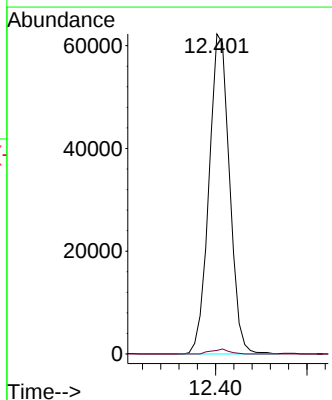
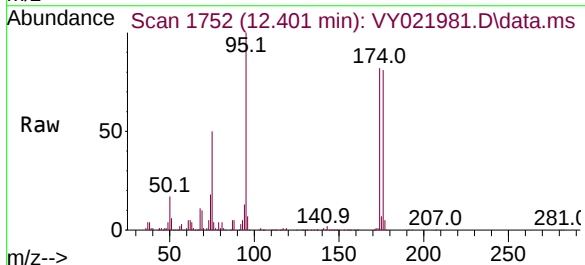
Instrument :
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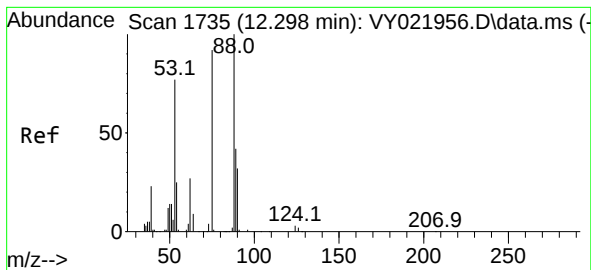
Tgt Ion:152 Resp: 198189
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.0 84.0
 150 158.1 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.161 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY021981.D
 Acq: 23 Apr 2025 18:58

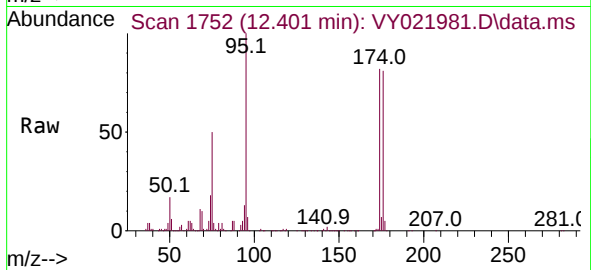
Tgt Ion: 75 Resp: 97035
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.651 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021981.D
 Acq: 23 Apr 2025 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1



Tgt Ion: 75 Resp: 97035
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 37.2 55.8#

