

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022029.D
 Acq On : 28 Apr 2025 14:18
 Operator : SY/MD
 Sample : Q1895-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Apr 29 03:53:59 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

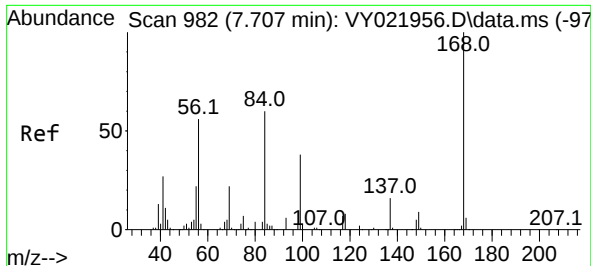
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	310842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	586624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	520449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	190689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154546	53.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.660%	
35) Dibromofluoromethane	7.634	113	201381	51.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.920%	
50) Toluene-d8	10.109	98	707083	48.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.780%	
62) 4-Bromofluorobenzene	12.408	95	189948	38.618	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.240%	
Target Compounds						Qvalue
16) Acetone	3.891	43	428	Below Cal	#	41
31) Cyclohexane	7.713	56	5778	1.217	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	22443	4.311	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30864	4.962	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2450	1.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	91212	55.844	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91212	134.480	ug/l #	16

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

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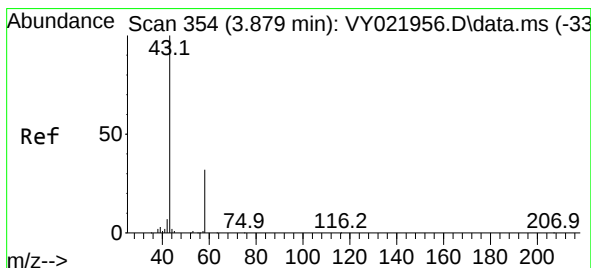
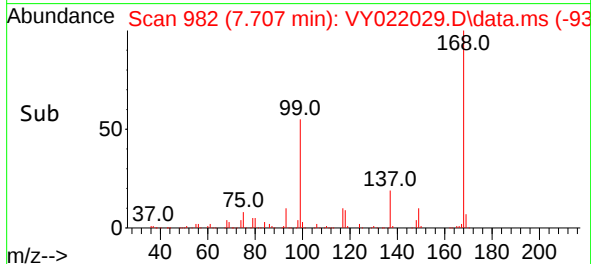
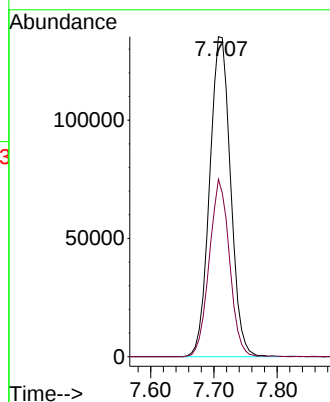
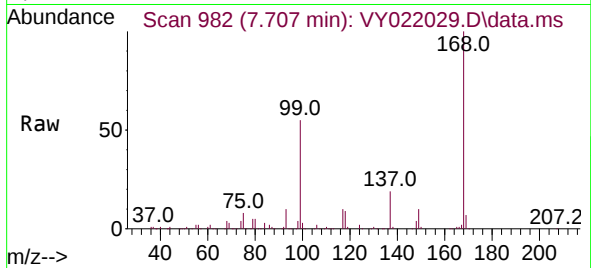




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

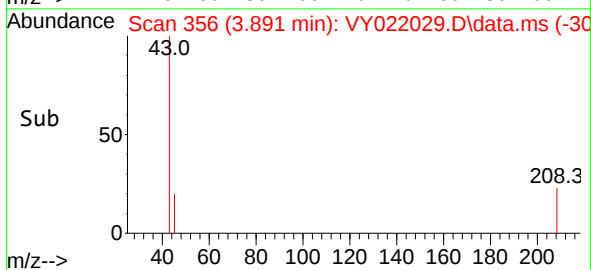
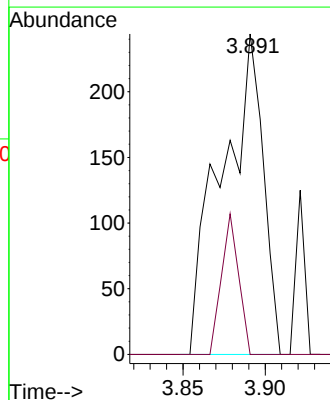
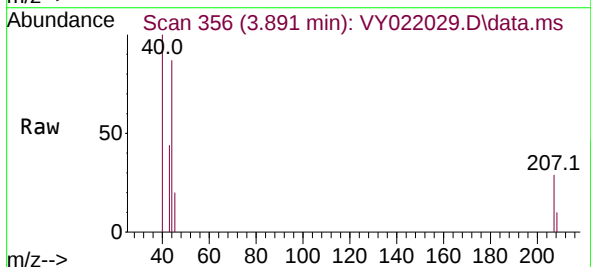
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

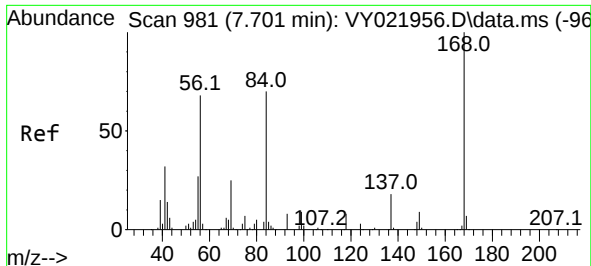
Tgt Ion:168 Resp: 310842
Ion Ratio Lower Upper
168 100
99 55.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

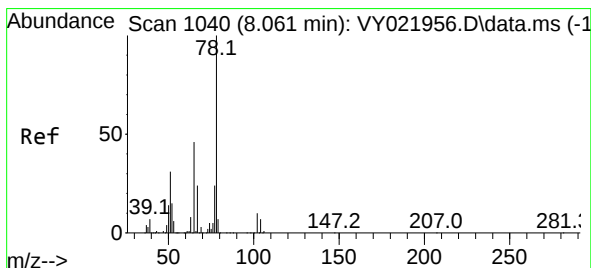
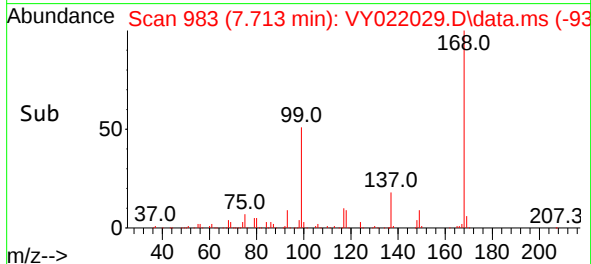
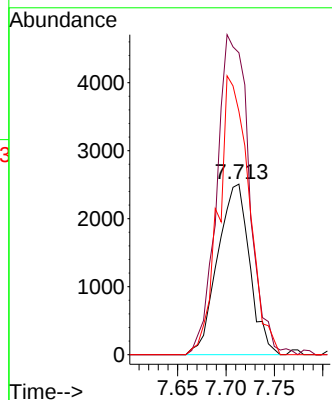
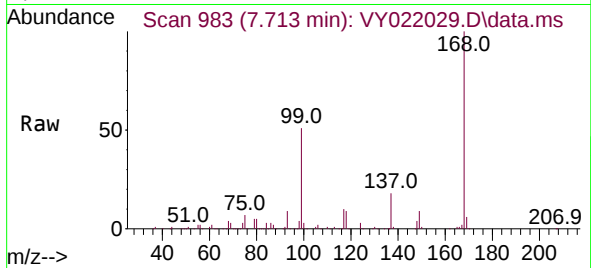




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

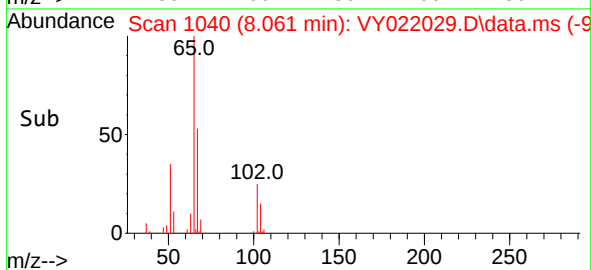
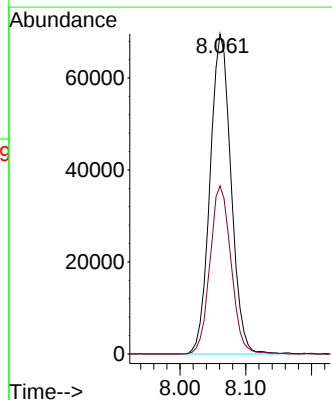
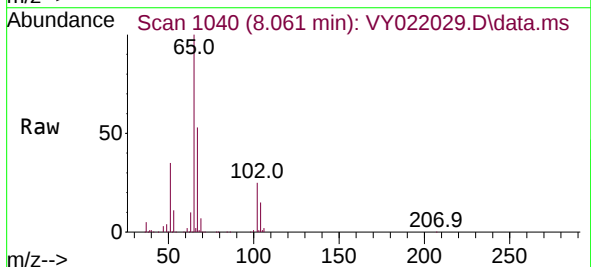
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

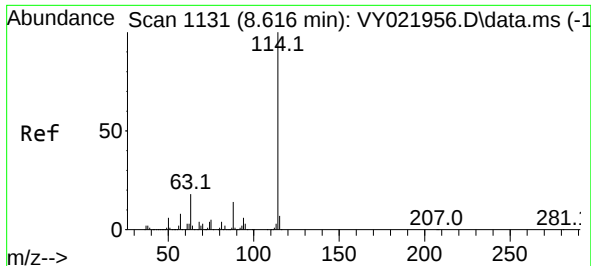
Tgt Ion: 56 Resp: 5778
Ion Ratio Lower Upper
56 100
69 177.0 29.4 44.2#
84 142.6 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.826 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

Tgt Ion: 65 Resp: 154546
Ion Ratio Lower Upper
65 100
67 52.7 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: VY022029.D

Acq: 28 Apr 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

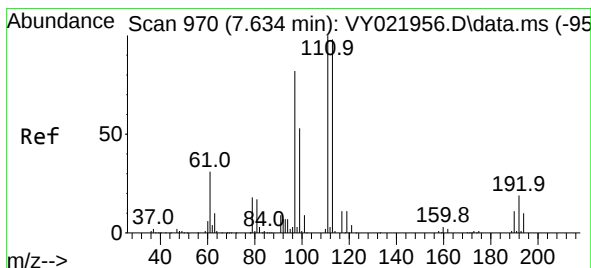
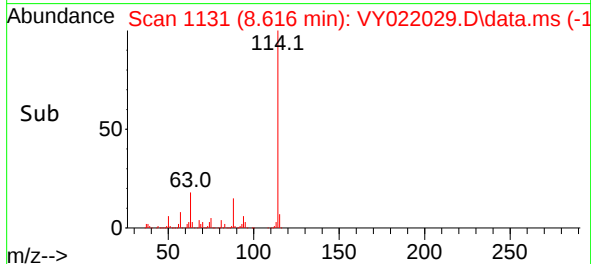
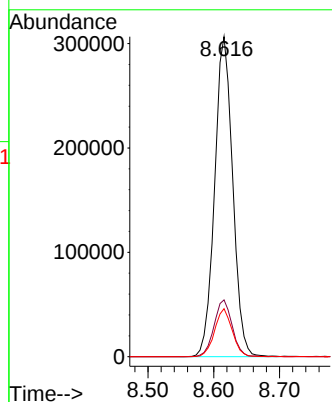
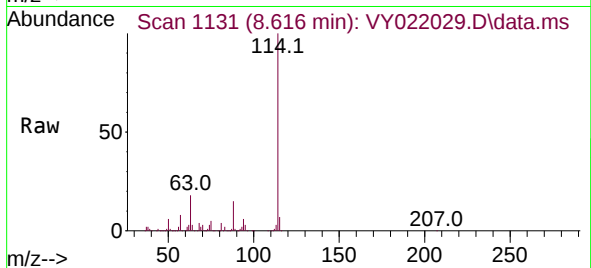
Tgt Ion:114 Resp: 586624

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.962 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022029.D

Acq: 28 Apr 2025 14:18

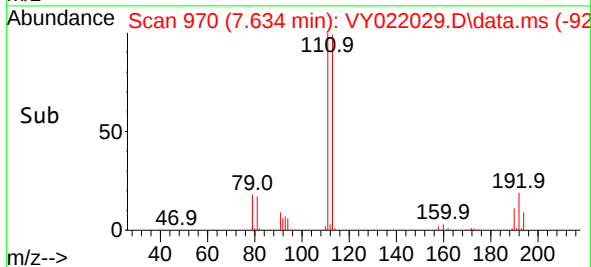
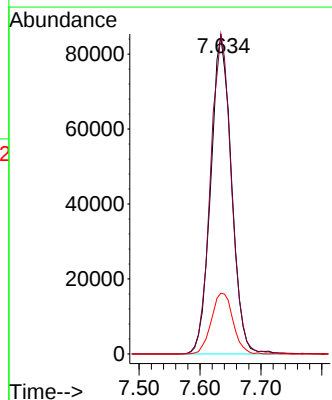
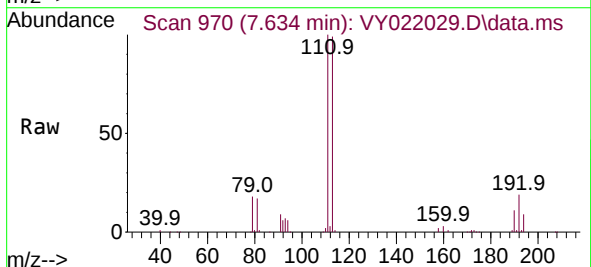
Tgt Ion:113 Resp: 201381

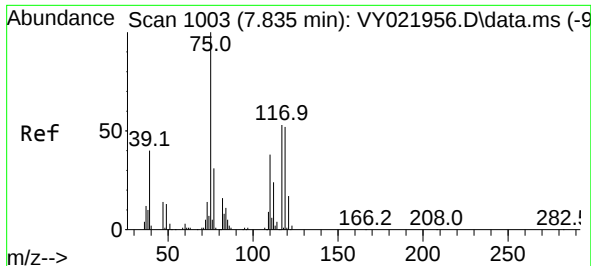
Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

192 20.0 15.6 23.4

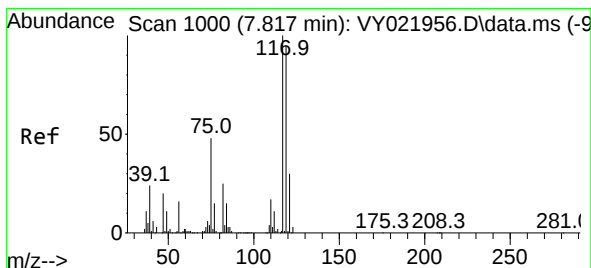
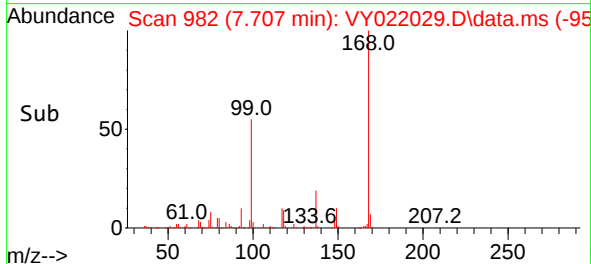
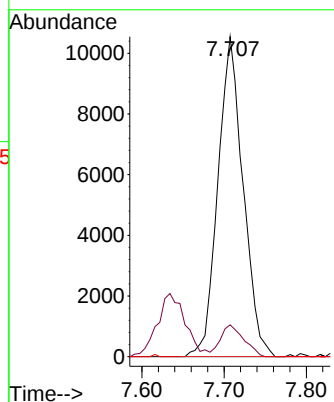
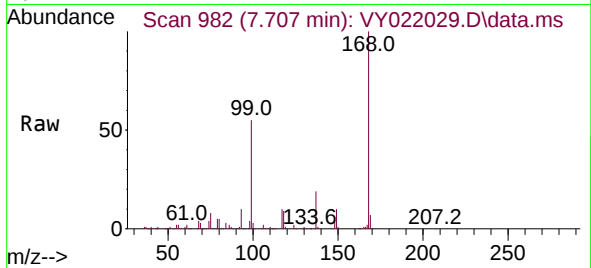




#36
 1,1-Dichloropropene
 Concen: 4.311 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY022029.D
 Acq: 28 Apr 2025 14:18

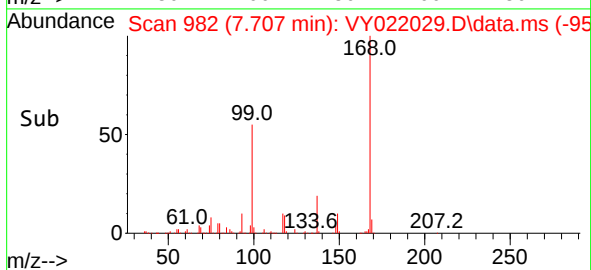
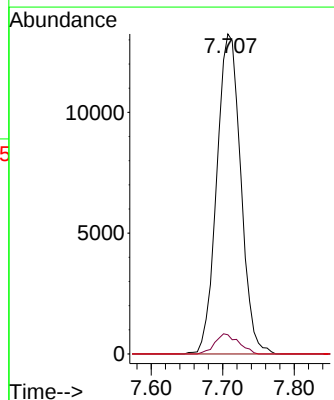
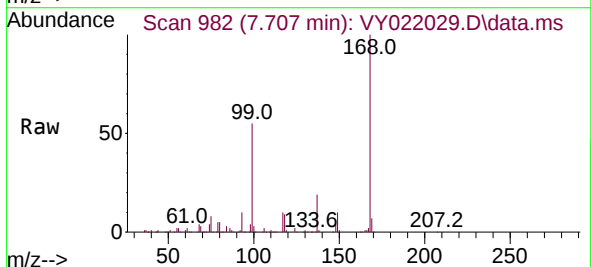
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

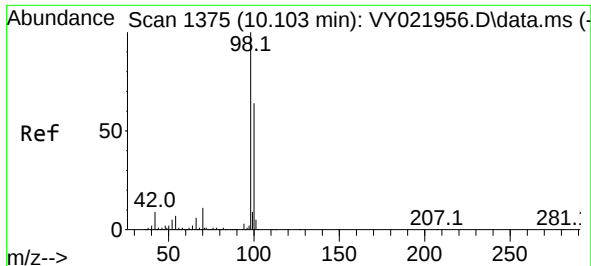
Tgt Ion: 75 Resp: 22443
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.962 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022029.D
 Acq: 28 Apr 2025 14:18

Tgt Ion: 117 Resp: 30864
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.4#
 121 0.0 24.0 36.0#

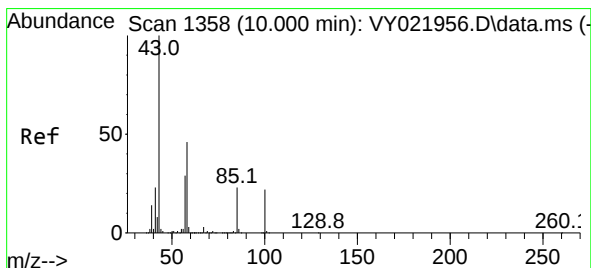
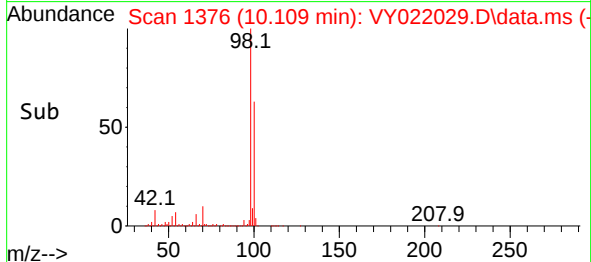
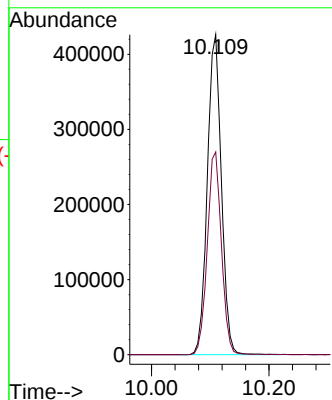
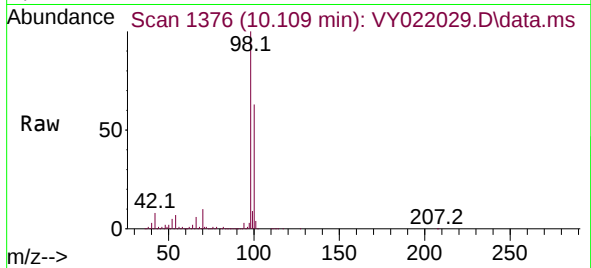




#50
Toluene-d8
Concen: 48.395 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

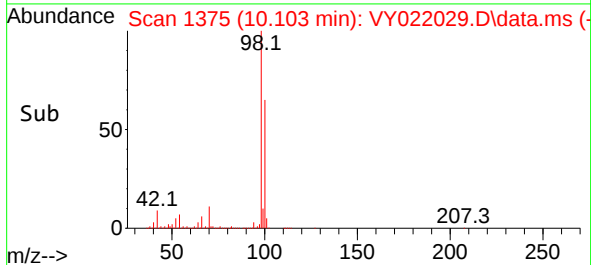
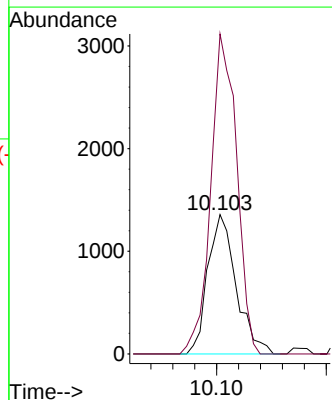
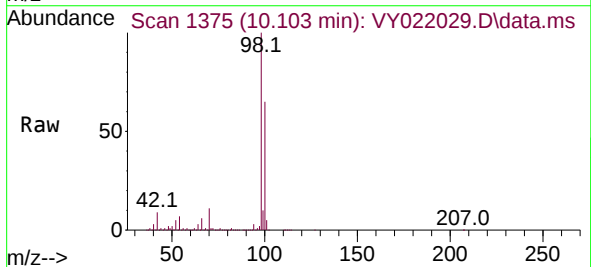
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

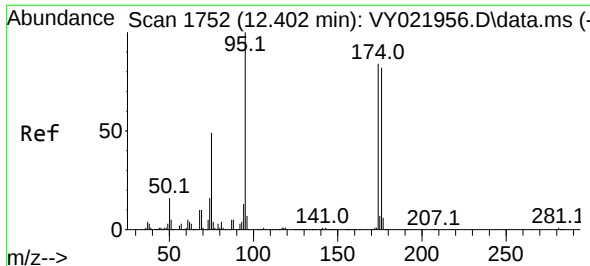
Tgt Ion: 98 Resp: 707083
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

Tgt Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
58 209.0 36.6 55.0#

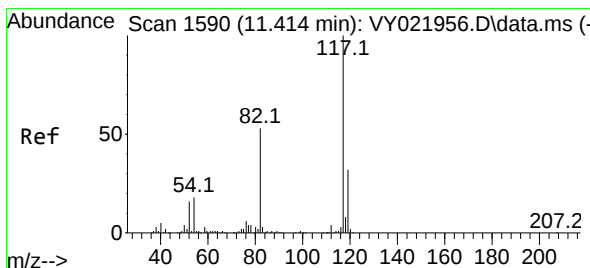
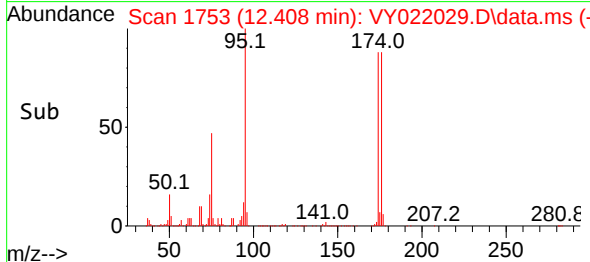
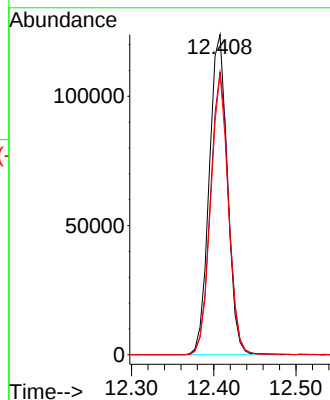
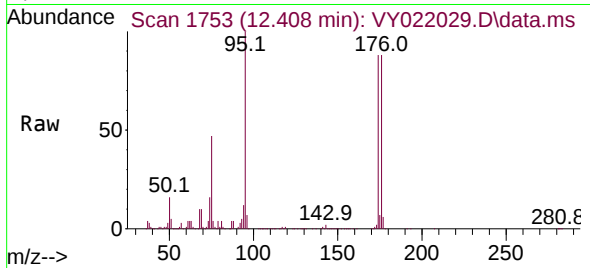




#62
4-Bromofluorobenzene
Concen: 38.618 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

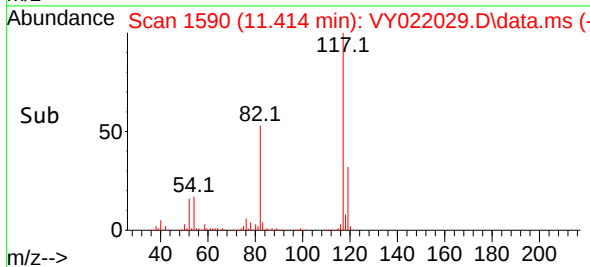
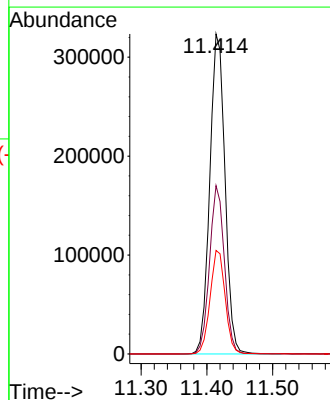
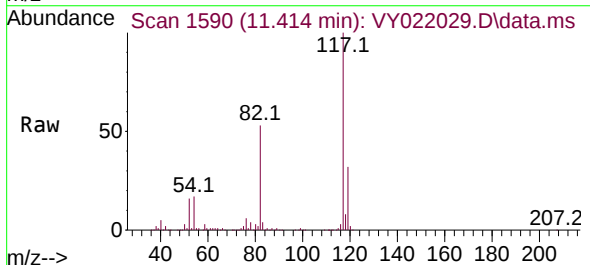
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

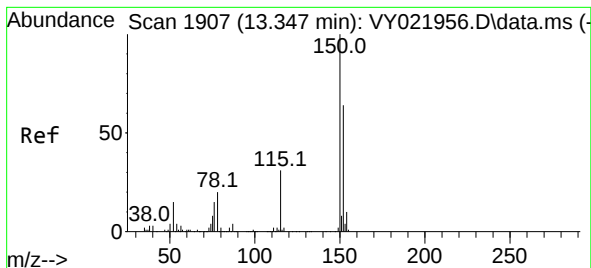
Tgt Ion: 95 Resp: 189948
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 85.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022029.D
Acq: 28 Apr 2025 14:18

Tgt Ion: 117 Resp: 520449
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.4 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: VY022029.D

Acq: 28 Apr 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

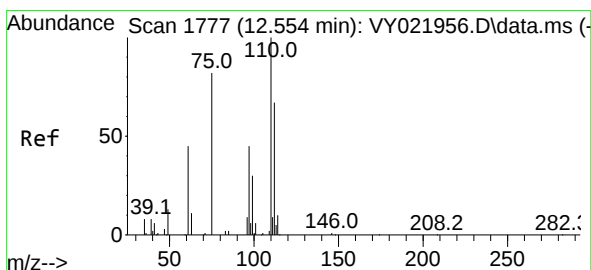
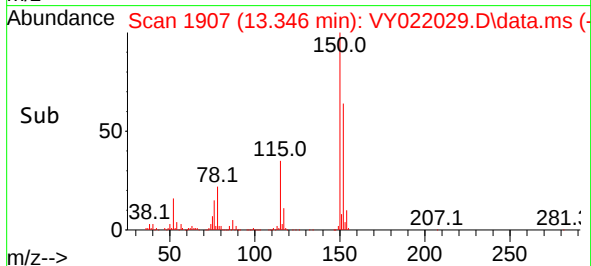
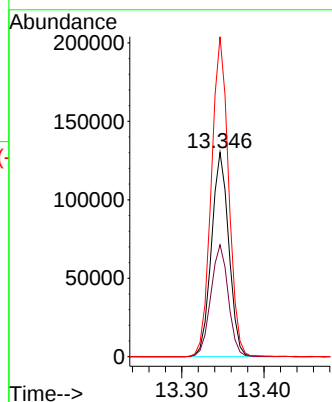
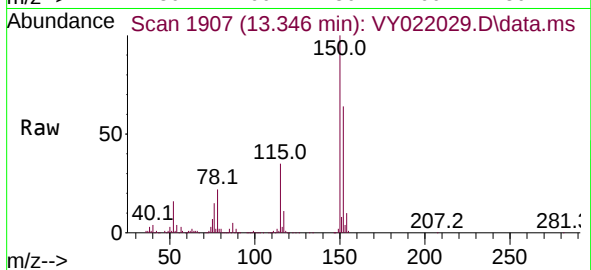
Tgt Ion:152 Resp: 190689

Ion Ratio Lower Upper

152 100

115 55.0 28.0 84.0

150 156.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.844 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022029.D

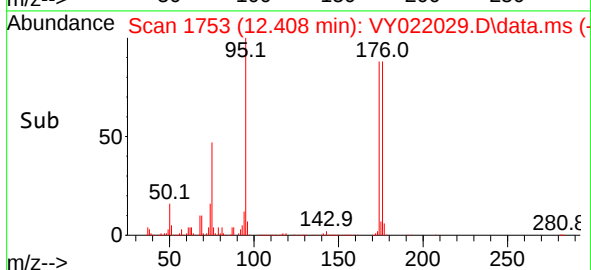
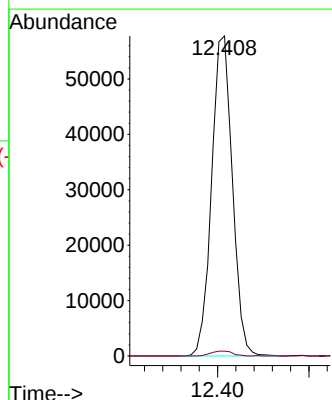
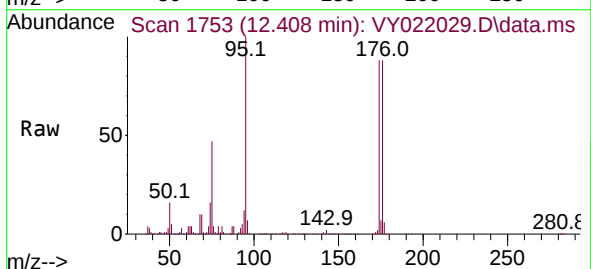
Acq: 28 Apr 2025 14:18

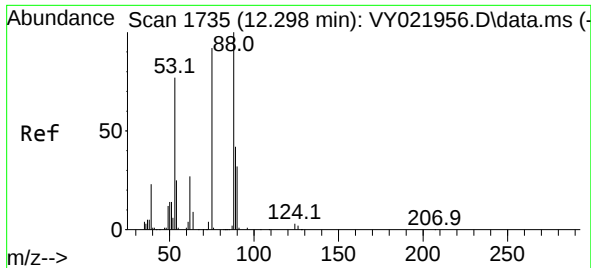
Tgt Ion: 75 Resp: 91212

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.480 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022029.D
 Acq: 28 Apr 2025 14:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 91212
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.0 37.2 55.8#

