

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022034.D
 Acq On : 28 Apr 2025 16:15
 Operator : SY/MD
 Sample : Q1889-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Apr 29 03:54:54 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

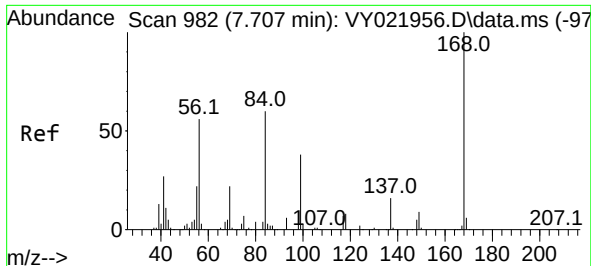
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	307550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	581856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153379	53.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.980%	
35) Dibromofluoromethane	7.634	113	194929	50.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.420%	
50) Toluene-d8	10.109	98	703999	48.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.408	95	186403	38.208	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.420%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1182	Below Cal	#	52
31) Cyclohexane	7.701	56	5942	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22215	4.302	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30155	4.887	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2293	1.228	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	91636	56.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91636	136.855	ug/l #	16

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

Quant Time: Apr 29 03:54:54 2025
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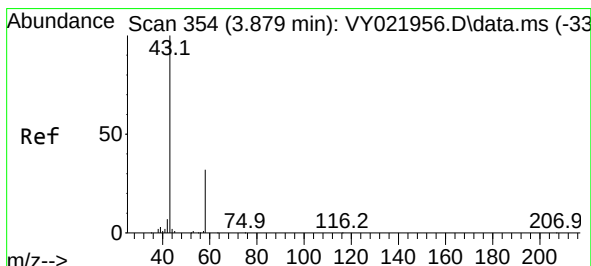
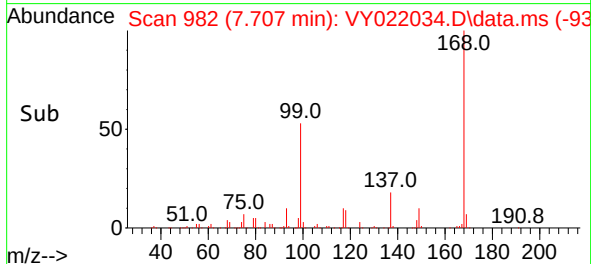
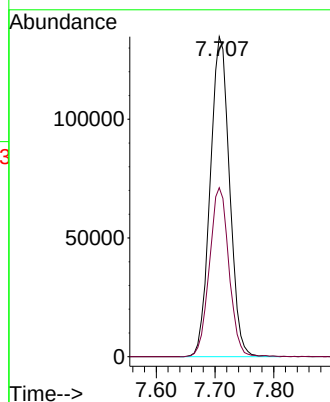
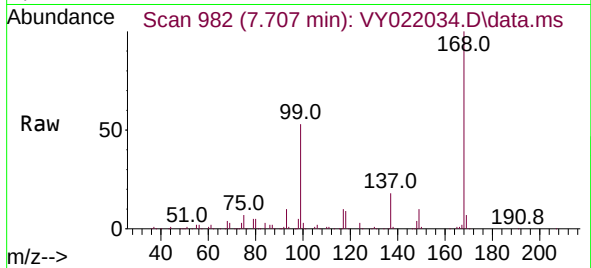




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

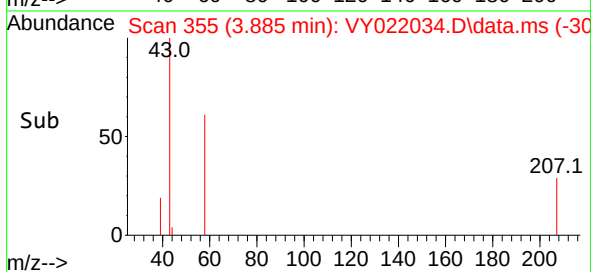
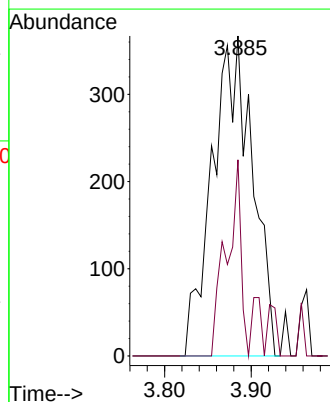
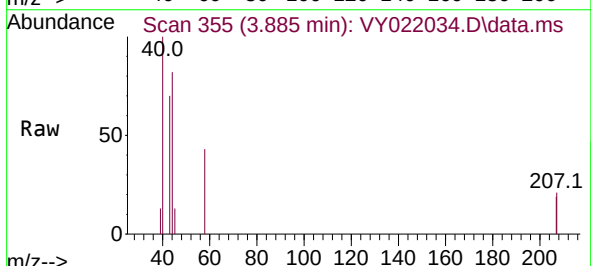
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

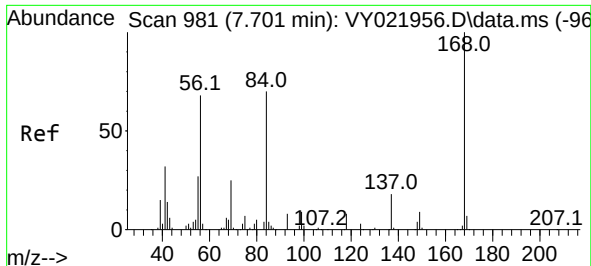
Tgt Ion:168 Resp: 307550
Ion Ratio Lower Upper
168 100
99 52.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
58 61.3 27.0 40.4#

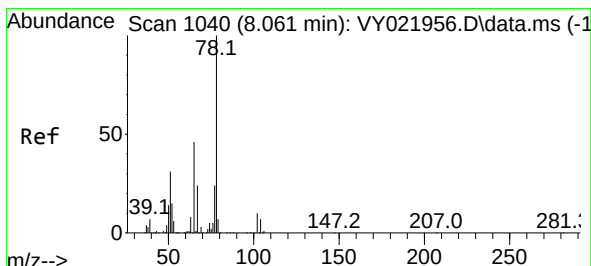
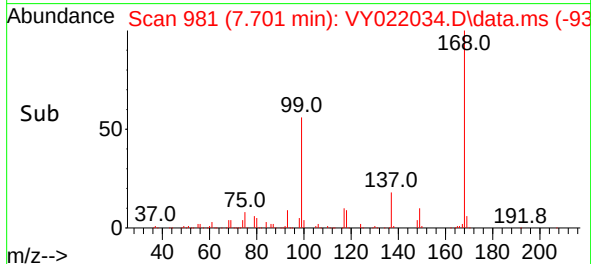
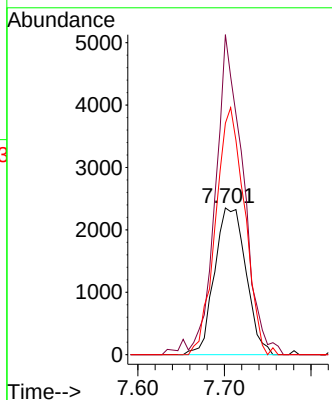
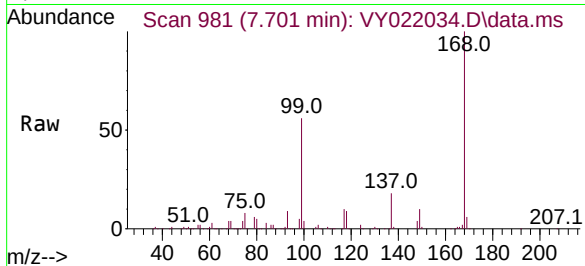




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

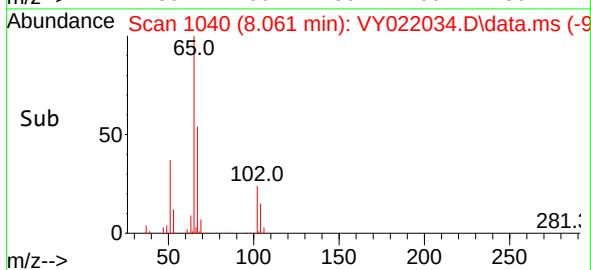
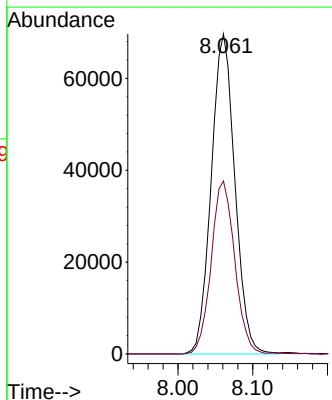
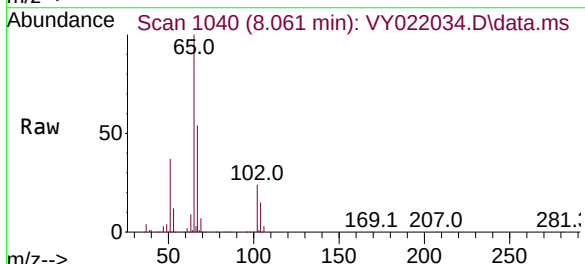
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

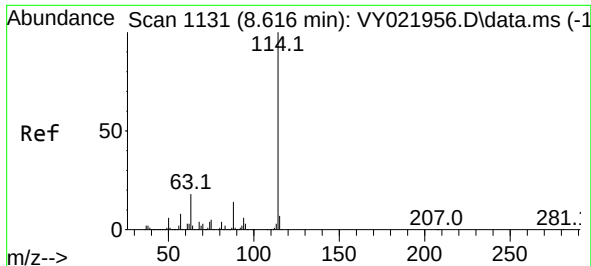
Tgt Ion: 56 Resp: 5942
Ion Ratio Lower Upper
56 100
69 215.5 29.4 44.2#
84 157.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.992 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

Tgt Ion: 65 Resp: 153379
Ion Ratio Lower Upper
65 100
67 54.0 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: VY022034.D

Acq: 28 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

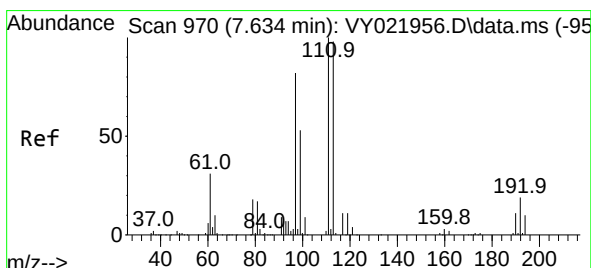
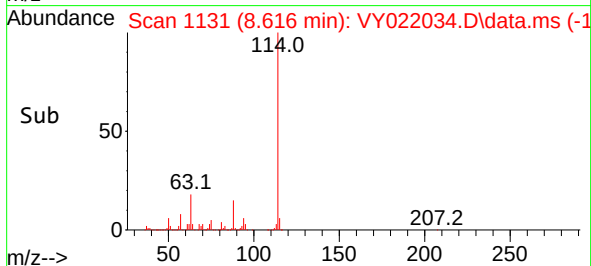
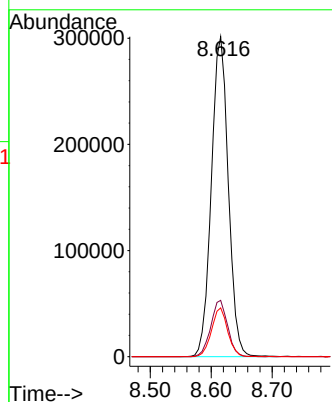
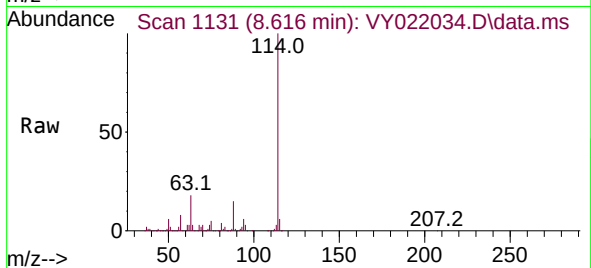
Tgt Ion:114 Resp: 581856

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 15.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.709 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022034.D

Acq: 28 Apr 2025 16:15

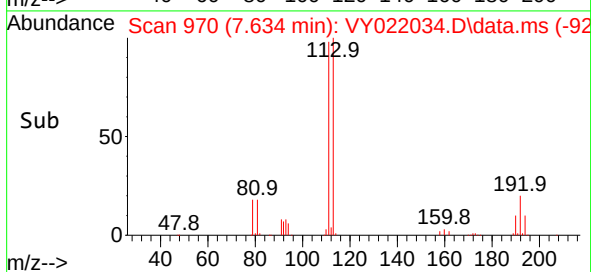
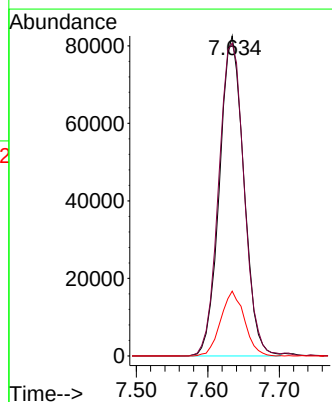
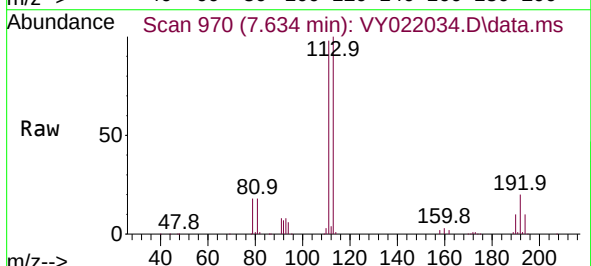
Tgt Ion:113 Resp: 194929

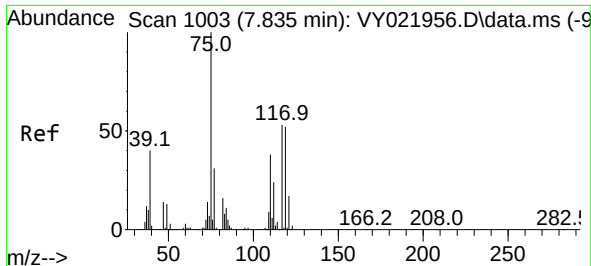
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.8 15.6 23.4

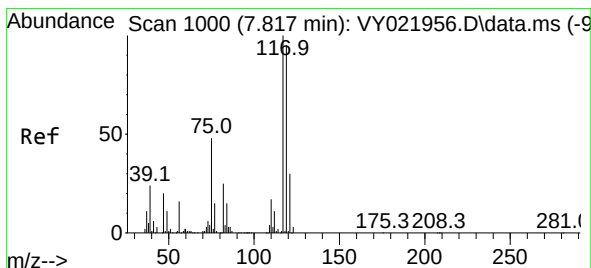
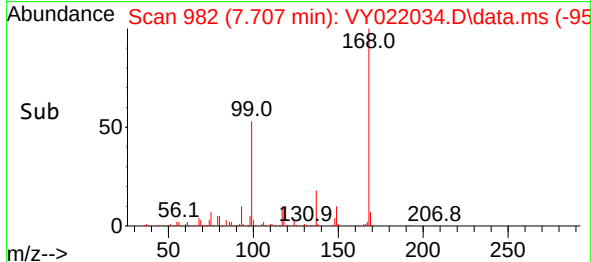
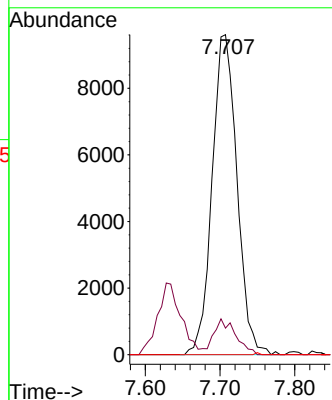
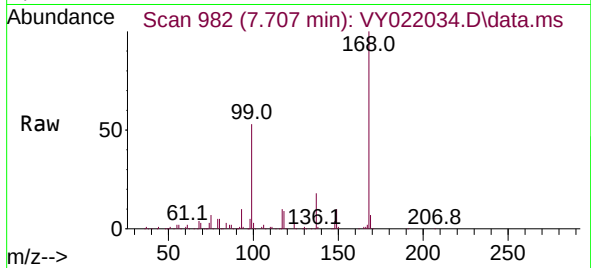




#36
 1,1-Dichloropropene
 Concen: 4.302 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022034.D
 Acq: 28 Apr 2025 16:15

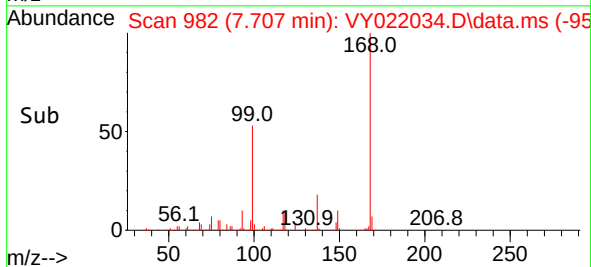
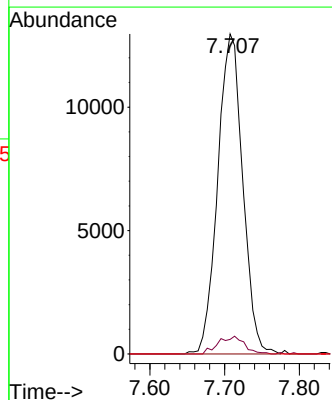
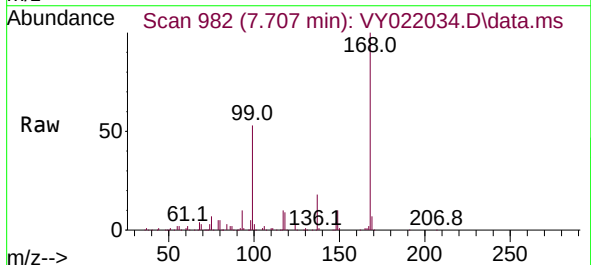
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

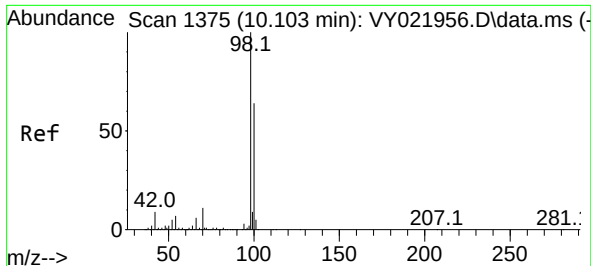
Tgt Ion: 75 Resp: 22215
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.887 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022034.D
 Acq: 28 Apr 2025 16:15

Tgt Ion: 117 Resp: 30155
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.4#
 121 0.0 24.0 36.0#

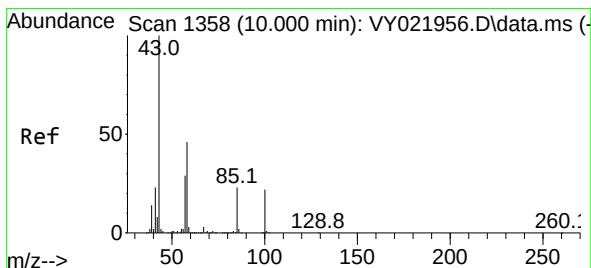
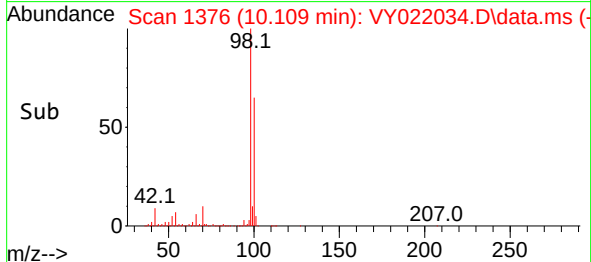
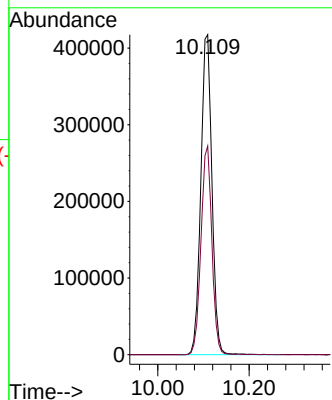
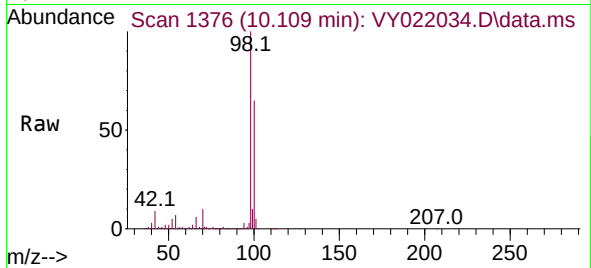




#50
Toluene-d8
Concen: 48.578 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

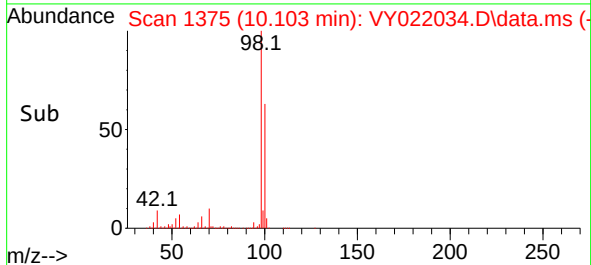
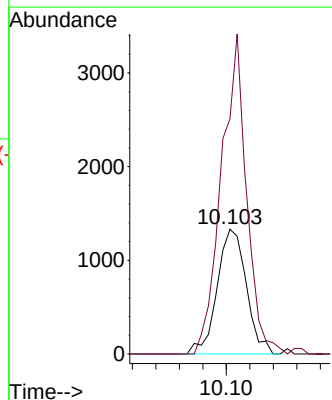
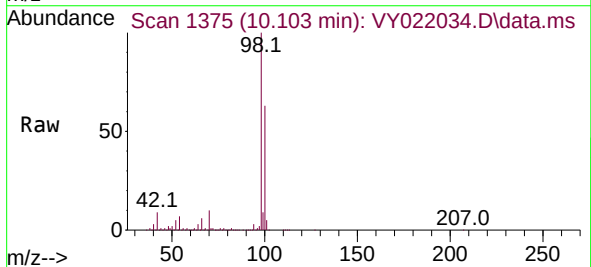
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

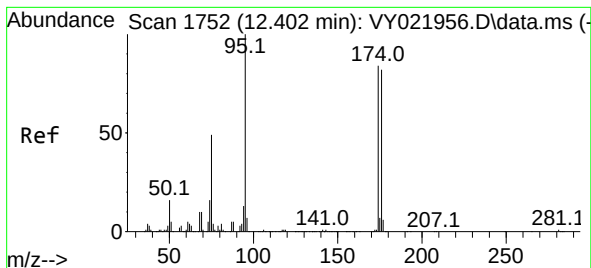
Tgt Ion: 98 Resp: 703999
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.228 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022034.D
Acq: 28 Apr 2025 16:15

Tgt Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
58 221.4 36.6 55.0#





#62

4-Bromofluorobenzene

Concen: 38.208 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022034.D

Acq: 28 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

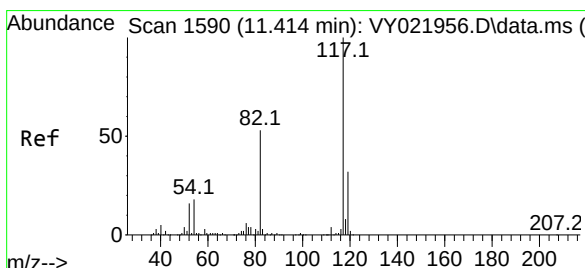
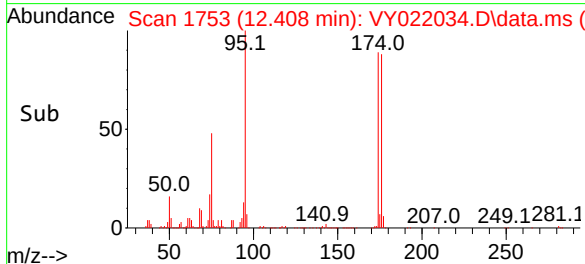
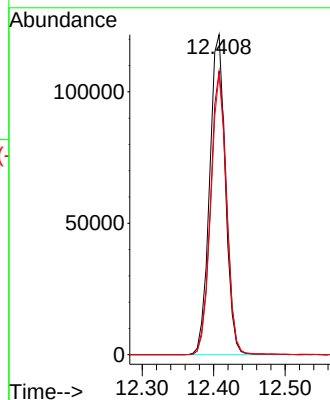
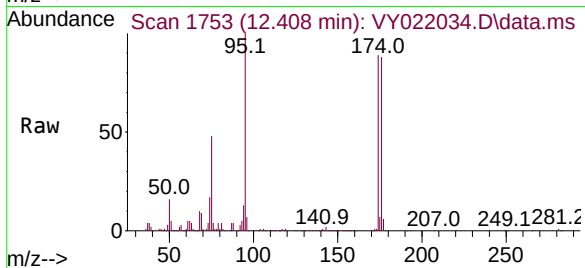
Tgt Ion: 95 Resp: 186403

Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.0

176 87.0 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: VY022034.D

Acq: 28 Apr 2025 16:15

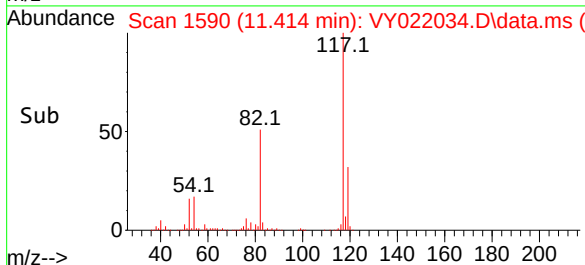
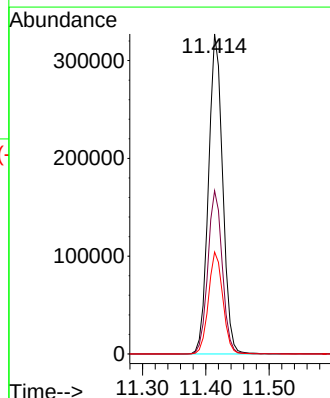
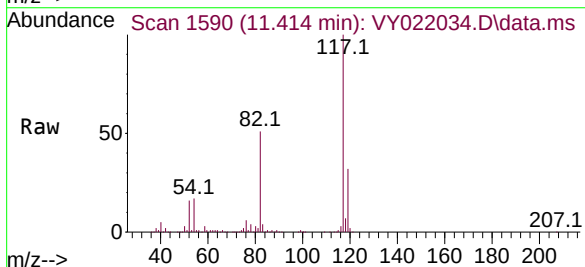
Tgt Ion: 117 Resp: 511479

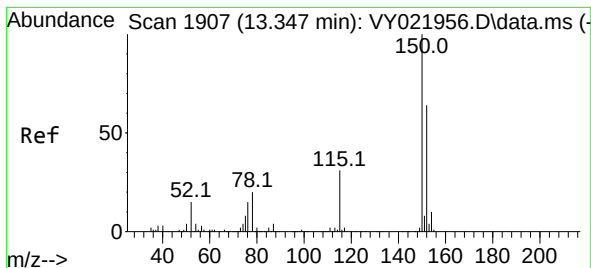
Ion Ratio Lower Upper

117 100

82 51.0 42.1 63.1

119 31.9 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: VY022034.D

Acq: 28 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

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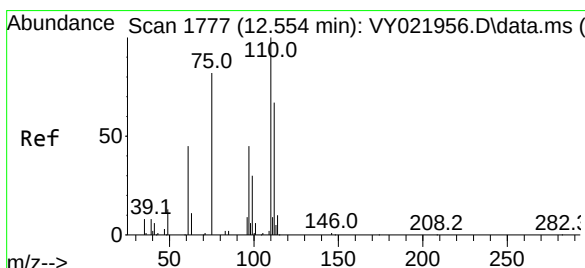
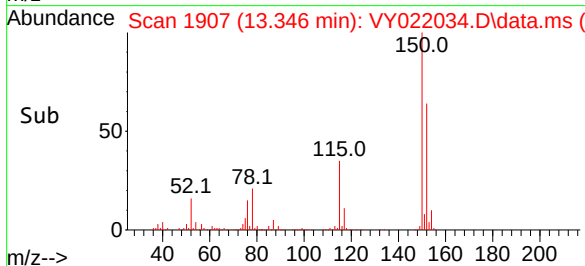
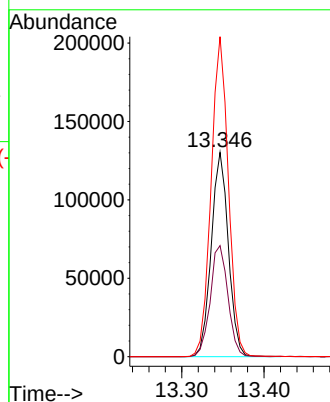
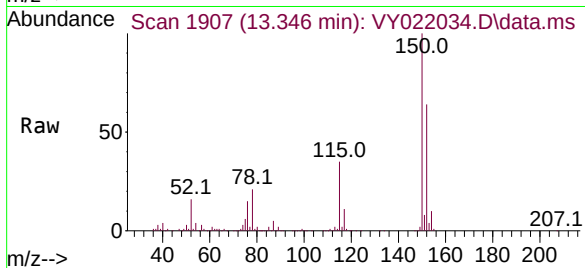
Tgt Ion:152 Resp: 188250

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

150 157.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.830 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022034.D

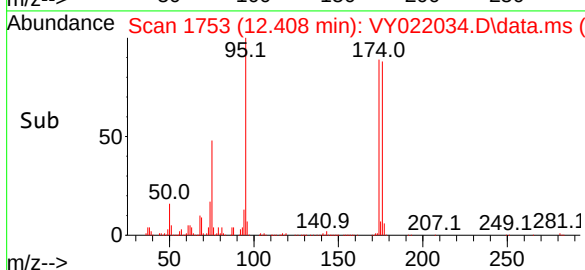
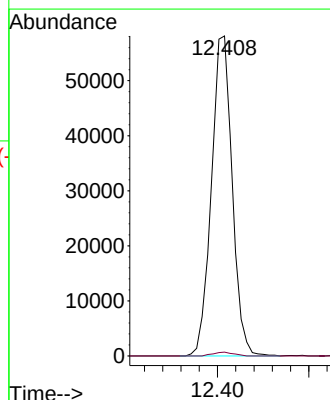
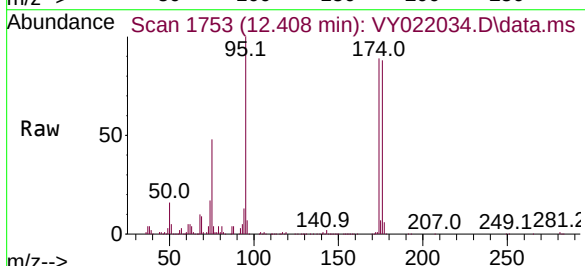
Acq: 28 Apr 2025 16:15

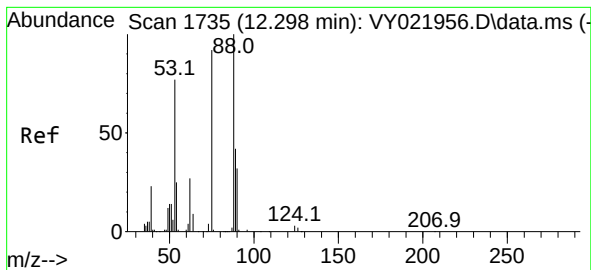
Tgt Ion: 75 Resp: 91636

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.855 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022034.D
 Acq: 28 Apr 2025 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Tgt Ion: 75 Resp: 91636
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

