

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021994.D
 Acq On : 24 Apr 2025 11:48
 Operator : SY/MD
 Sample : Q1867-03
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ211

Quant Time: Apr 25 01:23:46 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

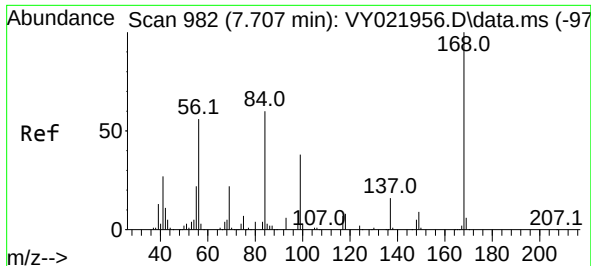
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	114979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	183982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	152923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	52175	49.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.260%
35) Dibromofluoromethane	7.634	113	68133	56.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.100%
50) Toluene-d8	10.109	98	216204	47.182	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.407	95	48967	31.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.480%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	248	Below Cal	#	41
31) Cyclohexane	7.707	56	2423	1.380	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	8985	5.503	ug/l #	47
38) Carbon Tetrachloride	7.707	117	11241	5.762	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	843	1.428	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	24086	59.504	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	24086	143.294	ug/l #	16

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

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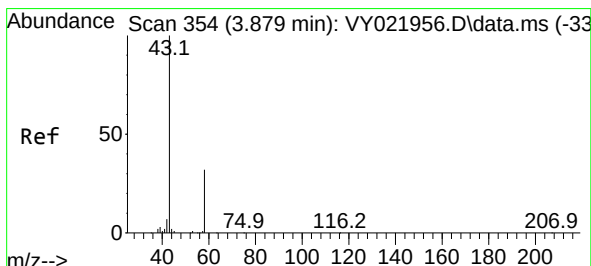
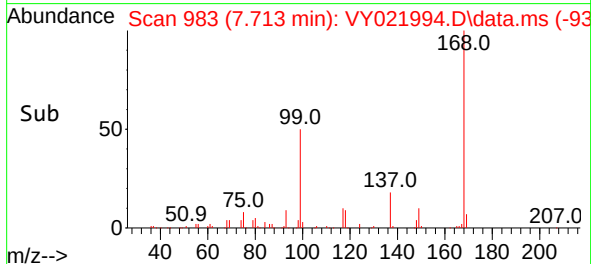
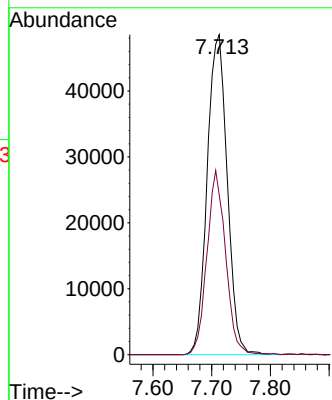
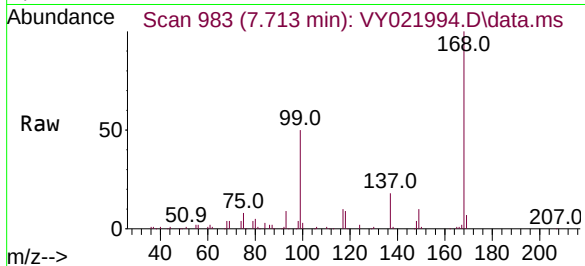




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

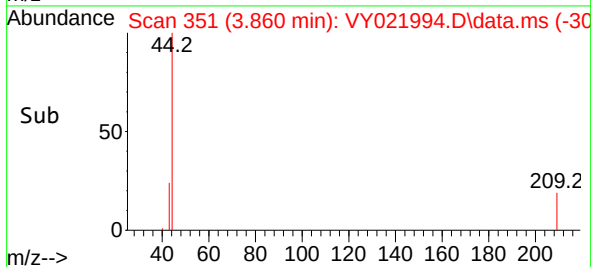
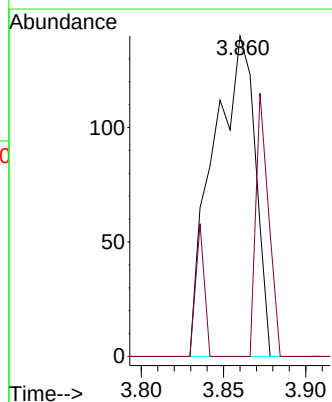
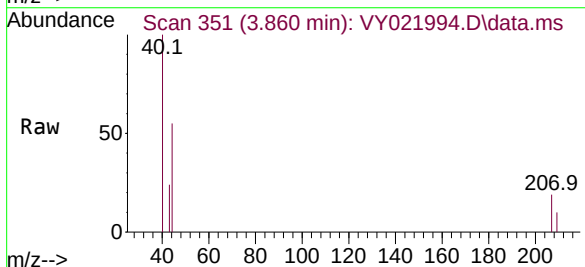
Instrument :
MSVOA_Y
ClientSampleId :
VNJ211

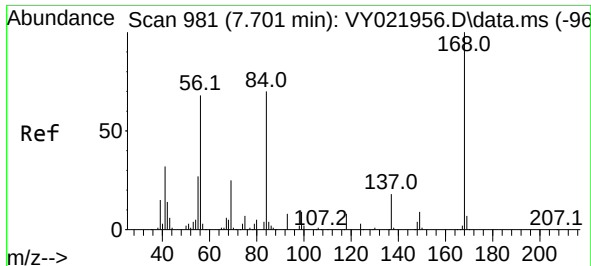
Tgt Ion:168 Resp: 114979
Ion Ratio Lower Upper
168 100
99 49.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

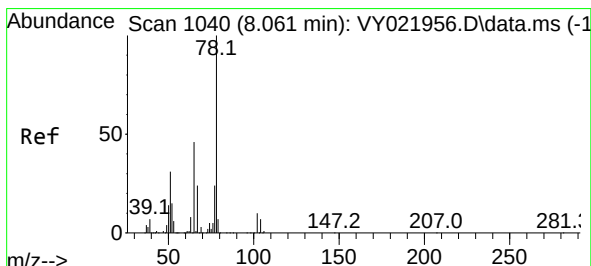
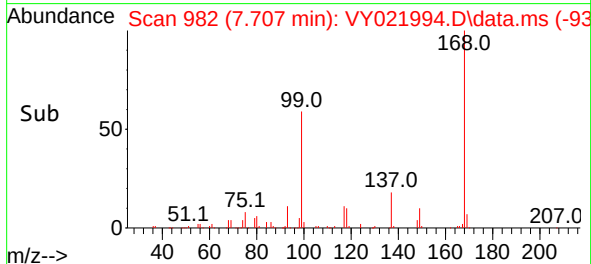
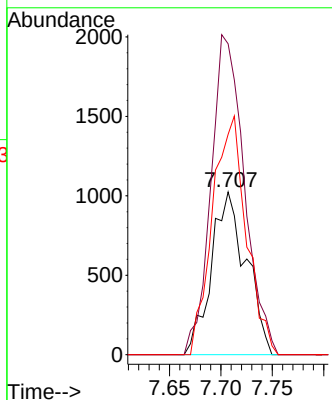
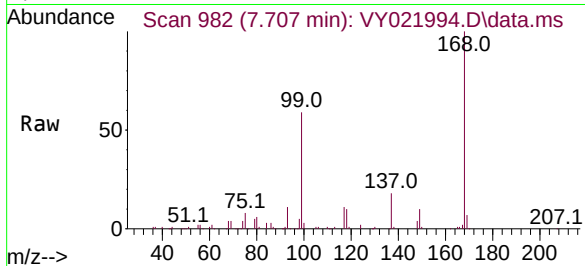




#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

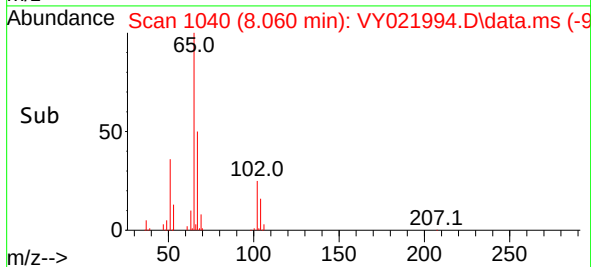
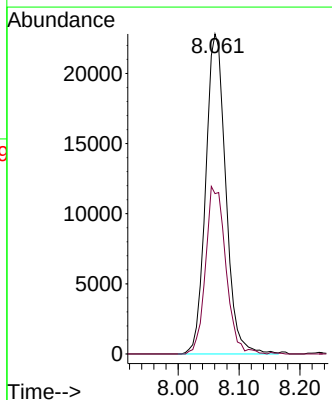
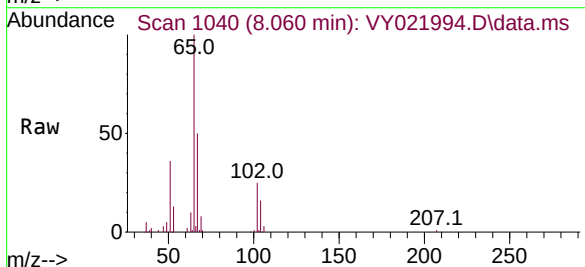
Instrument :
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ClientSampleId :
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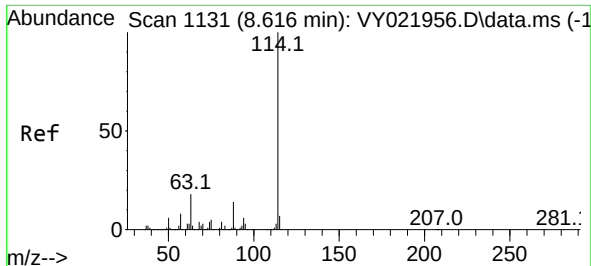
Tgt Ion: 56 Resp: 2423
Ion Ratio Lower Upper
56 100
69 191.1 29.4 44.2#
84 135.4 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 49.127 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 65 Resp: 52175
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021994.D

Acq: 24 Apr 2025 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ211

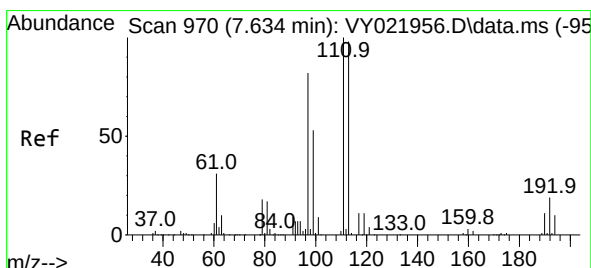
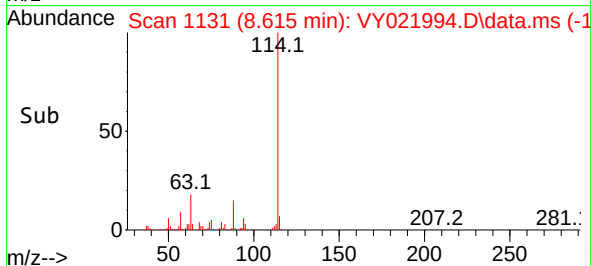
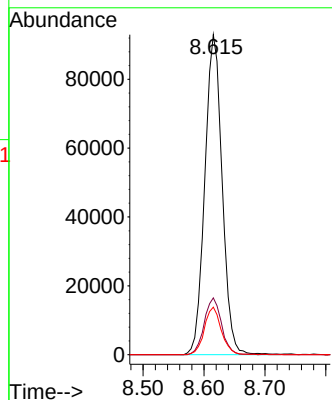
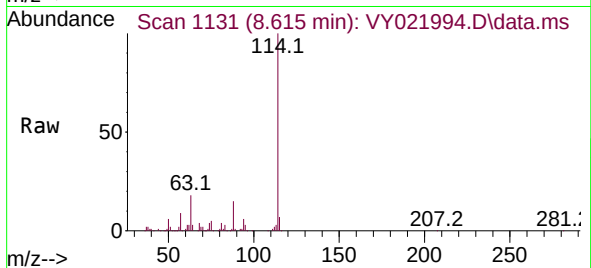
Tgt Ion:114 Resp: 183982

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 56.054 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021994.D

Acq: 24 Apr 2025 11:48

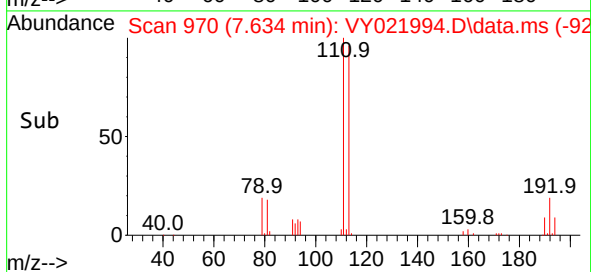
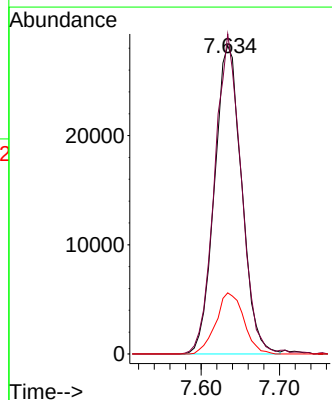
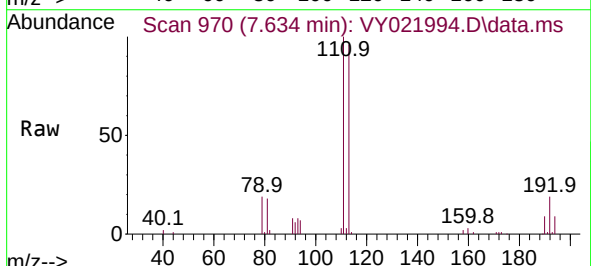
Tgt Ion:113 Resp: 68133

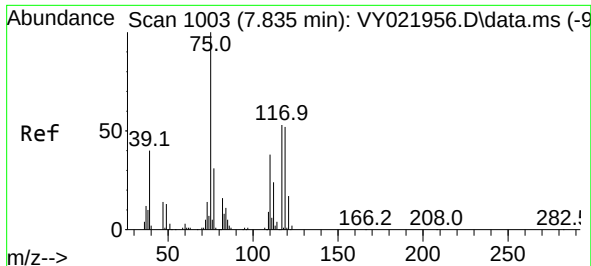
Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 20.3 15.6 23.4

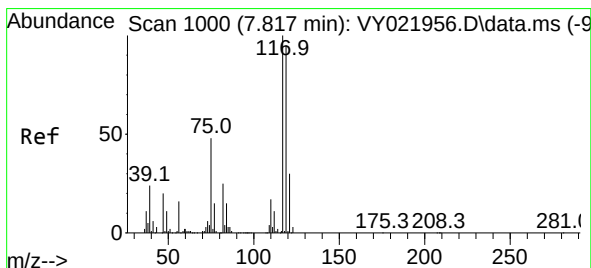
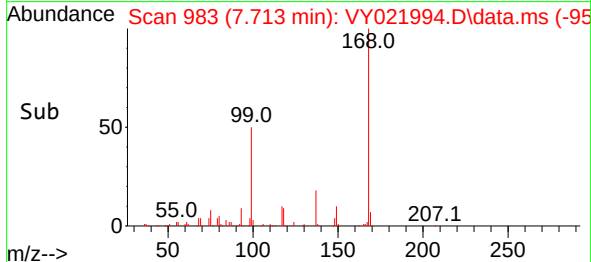
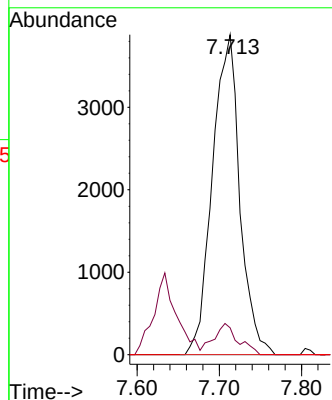
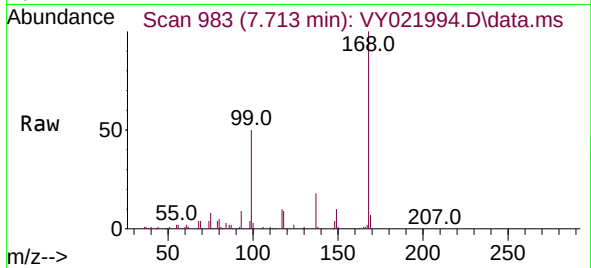




#36
 1,1-Dichloropropene
 Concen: 5.503 ug/l
 RT: 7.713 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY021994.D
 Acq: 24 Apr 2025 11:48

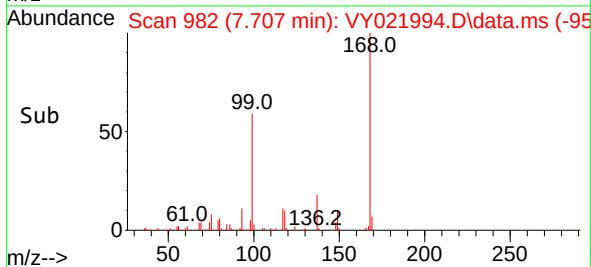
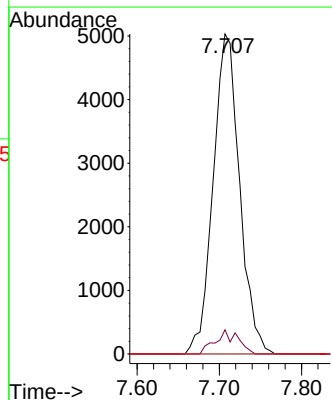
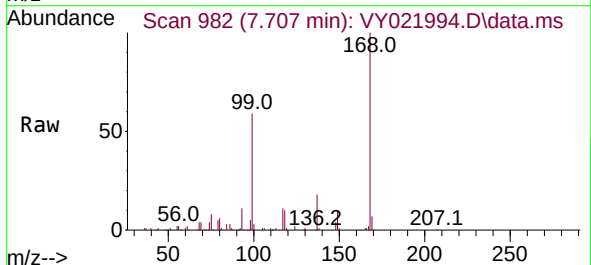
Instrument :
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 ClientSampleId :
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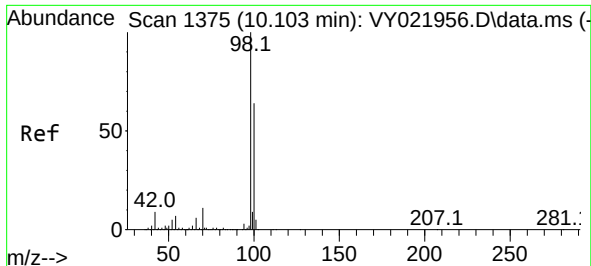
Tgt Ion: 75 Resp: 8985
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.762 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY021994.D
 Acq: 24 Apr 2025 11:48

Tgt Ion: 117 Resp: 11241
 Ion Ratio Lower Upper
 117 100
 119 7.6 76.2 114.4#
 121 0.0 24.0 36.0#

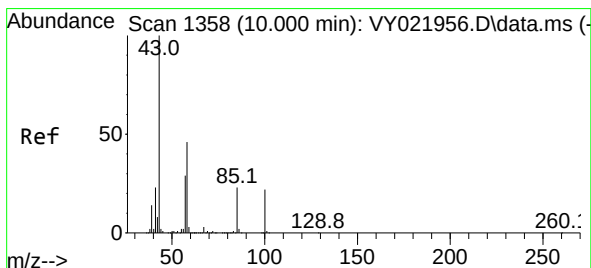
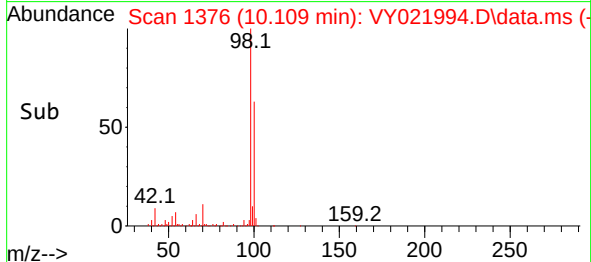
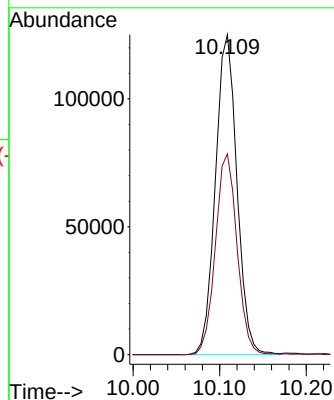
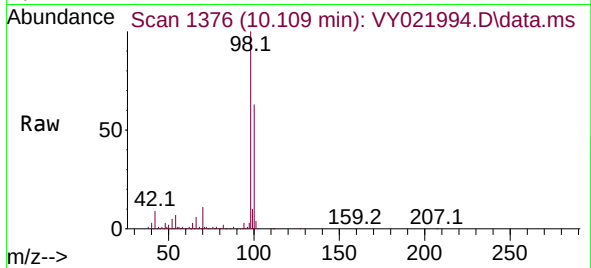




#50
Toluene-d8
Concen: 47.182 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

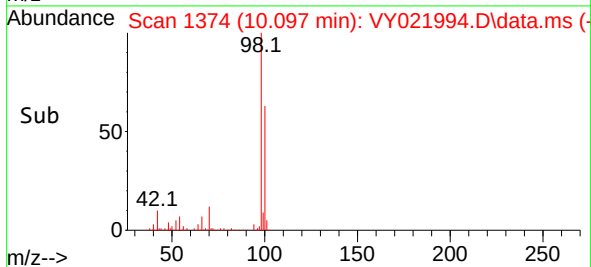
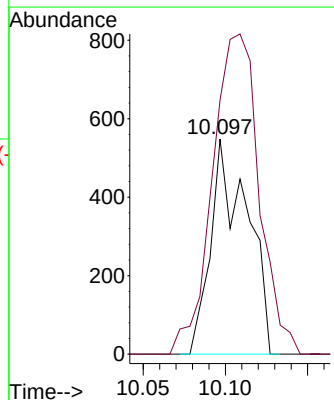
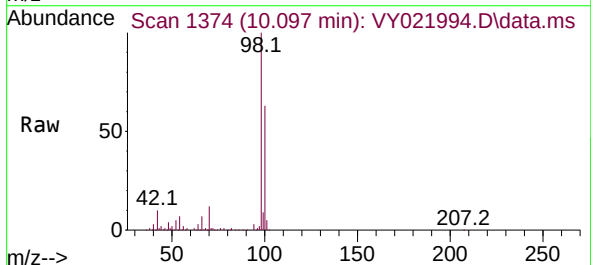
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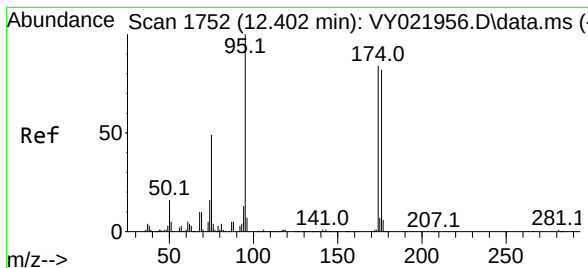
Tgt Ion: 98 Resp: 216204
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.428 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.097 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 191.5 36.6 55.0#

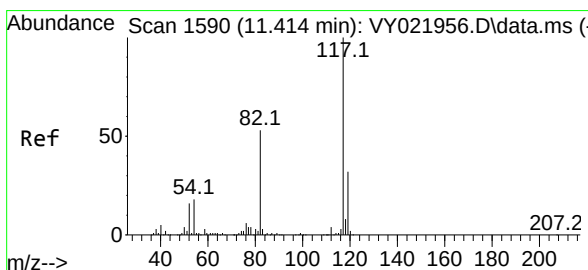
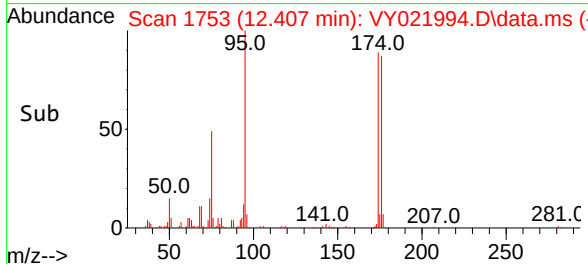
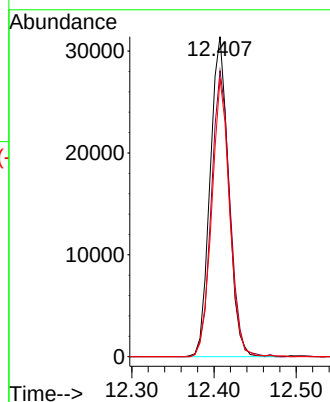
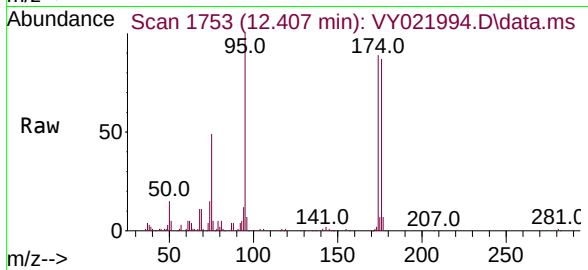




#62
4-Bromofluorobenzene
Concen: 31.743 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

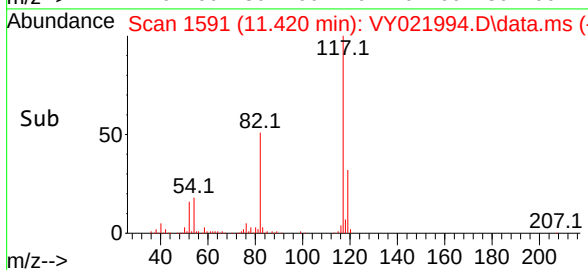
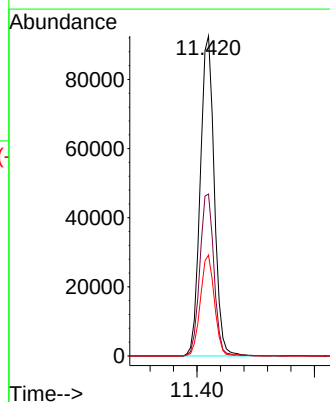
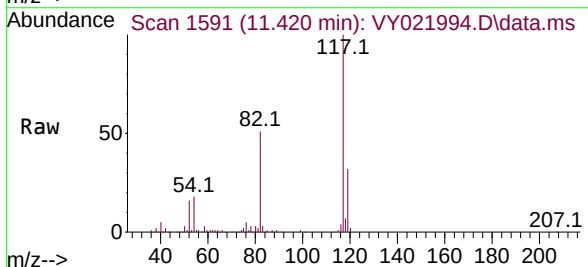
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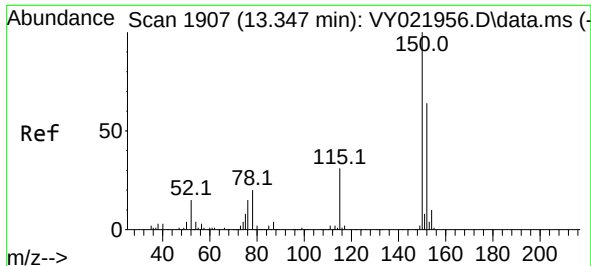
Tgt Ion: 95 Resp: 48967
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 84.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 117 Resp: 152923
Ion Ratio Lower Upper
117 100
82 50.6 42.1 63.1
119 31.5 25.7 38.5

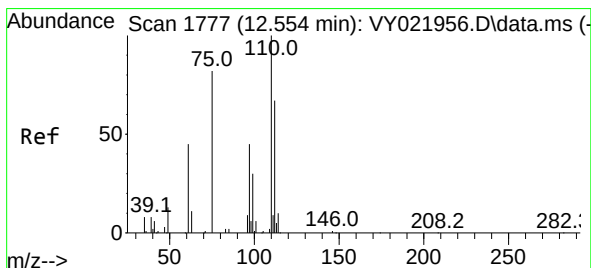
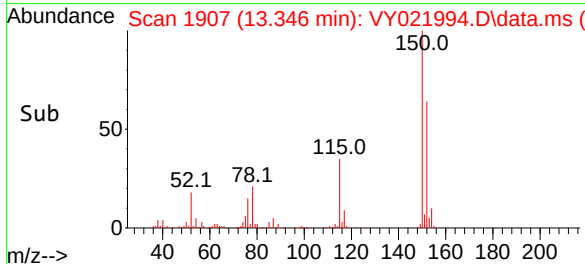
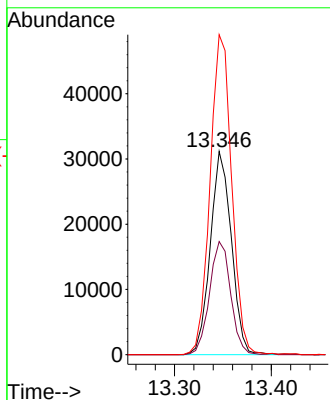
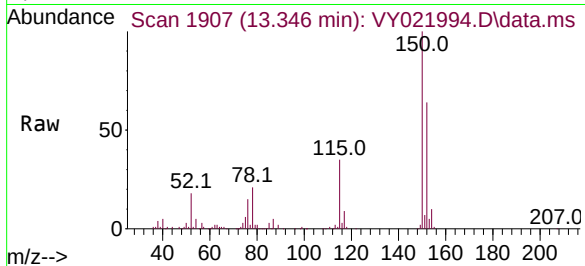




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021994.D
 Acq: 24 Apr 2025 11:48

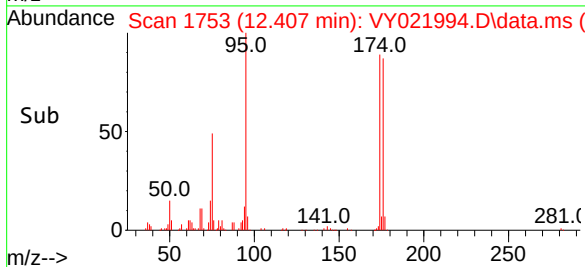
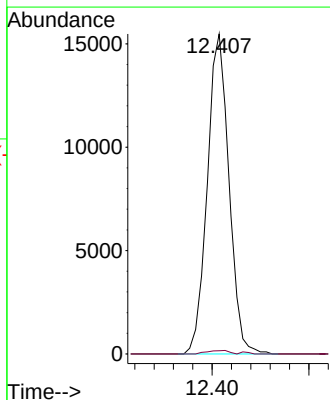
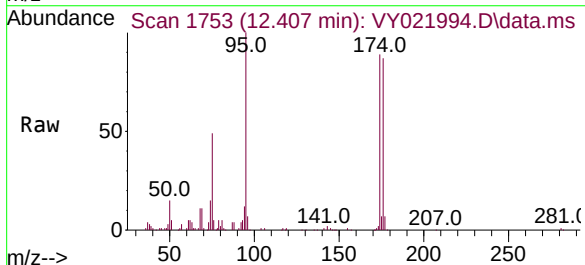
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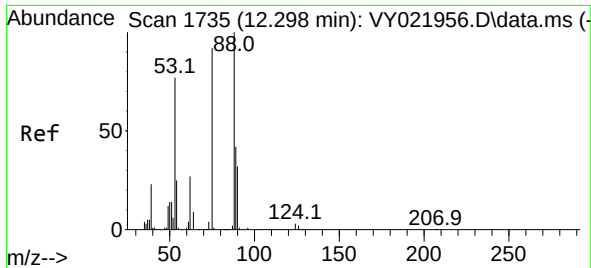
Tgt Ion:152 Resp: 47257
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.0 84.0
 150 160.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 59.504 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY021994.D
 Acq: 24 Apr 2025 11:48

Tgt Ion: 75 Resp: 24086
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.294 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY021994.D
 Acq: 24 Apr 2025 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ211

Tgt Ion: 75 Resp: 24086
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

