

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021835.D
 Acq On : 10 Apr 2025 14:03
 Operator : SY/MD
 Sample : Q1744-01
 Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-158-SB01

Quant Time: Apr 11 01:50:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

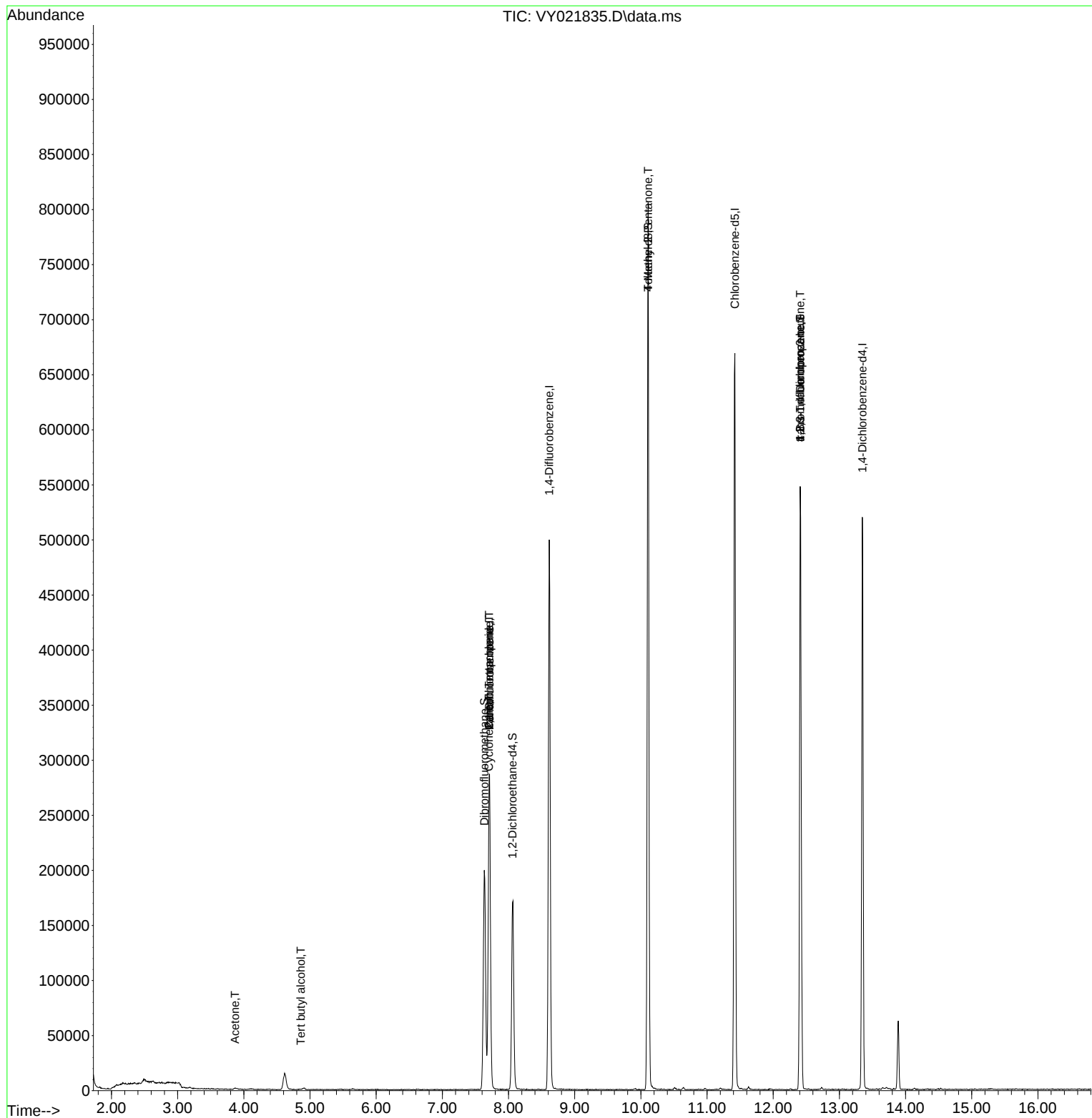
Internal Standards						
1) Pentafluorobenzene	7.713	168	219582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	409739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136380	57.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.640%			
35) Dibromofluoromethane	7.634	113	139811	52.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.109	98	496263	49.079	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.408	95	138498	40.494	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.980%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	253	1.637	ug/l #	70
16) Acetone	3.866	43	2424	4.978	ug/l	94
31) Cyclohexane	7.701	56	4921	1.172	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	18277	4.515	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22381	4.827	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2265	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	73778	58.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	73778	135.681	ug/l #	12

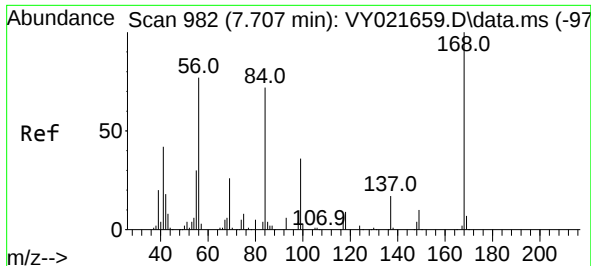
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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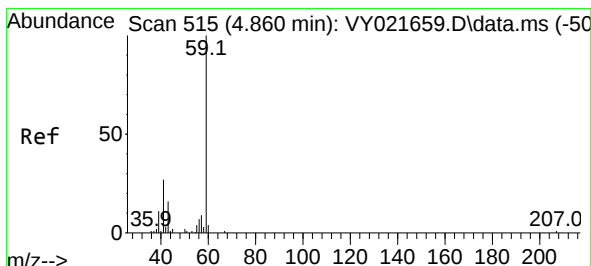
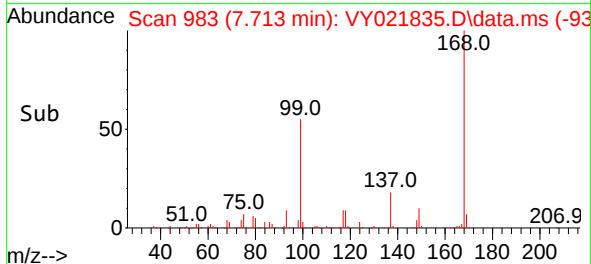
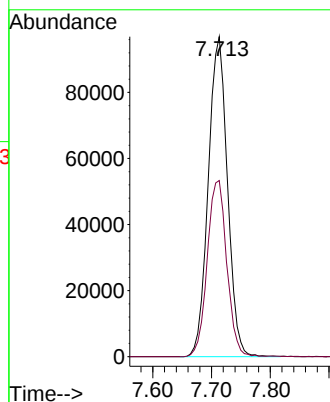
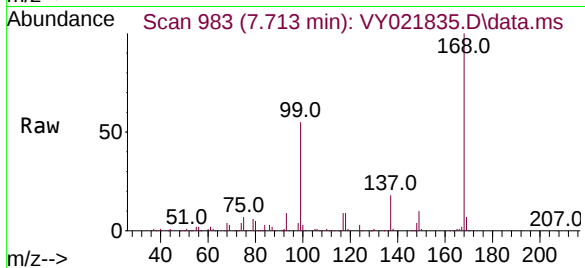




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

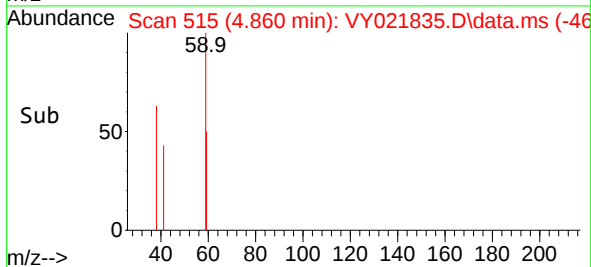
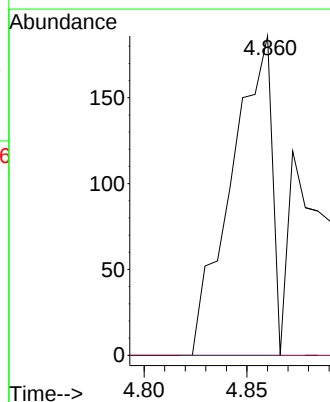
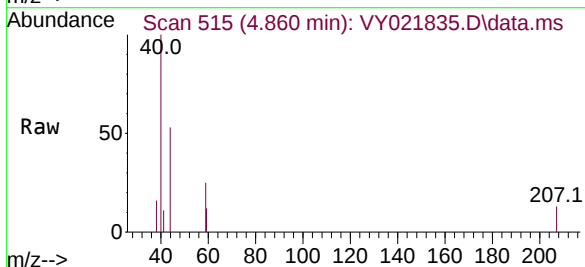
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

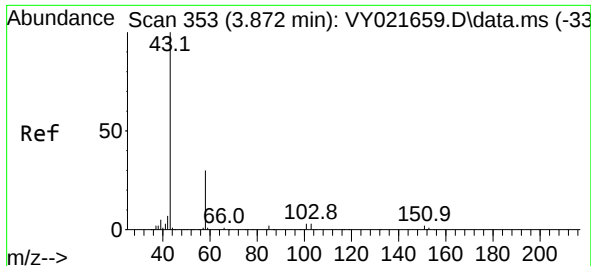
Tgt Ion:168 Resp: 219582
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.637 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 4.978 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

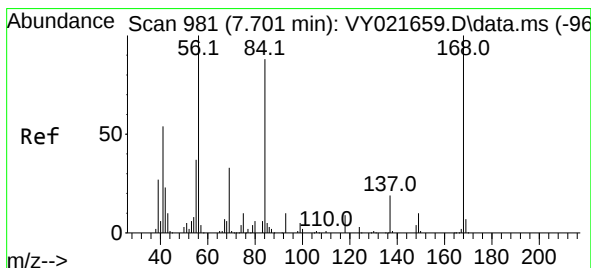
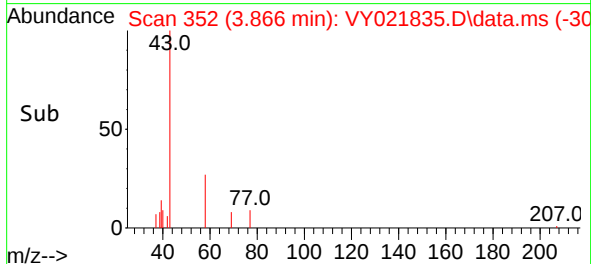
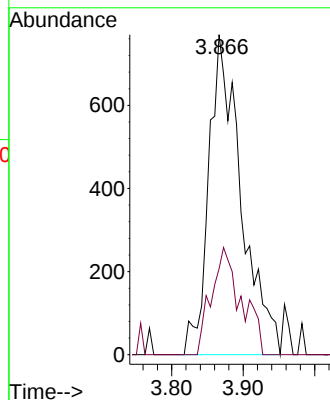
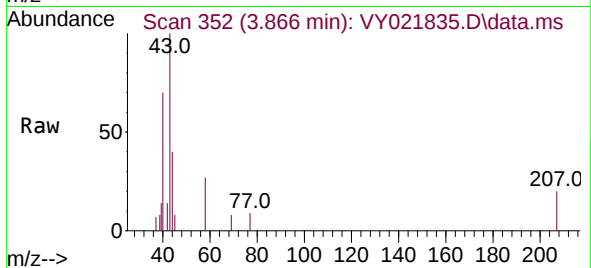
B-158-SB01

Tgt Ion: 43 Resp: 2424

Ion Ratio Lower Upper

43 100

58 26.9 24.2 36.4



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

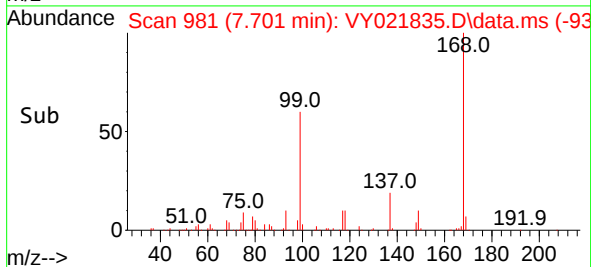
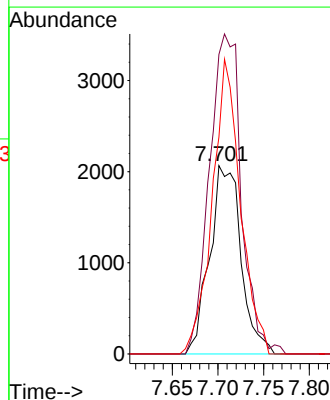
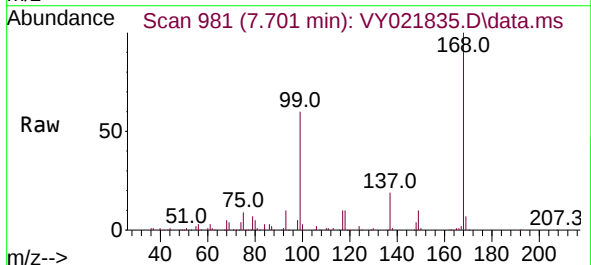
Tgt Ion: 56 Resp: 4921

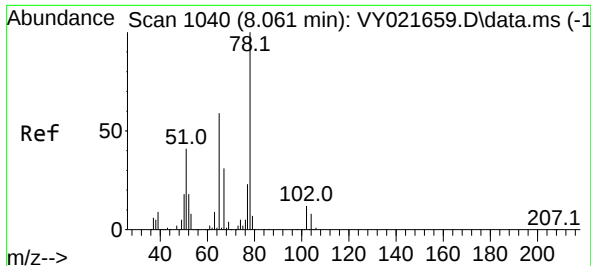
Ion Ratio Lower Upper

56 100

69 159.1 26.6 40.0#

84 115.2 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 57.324 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

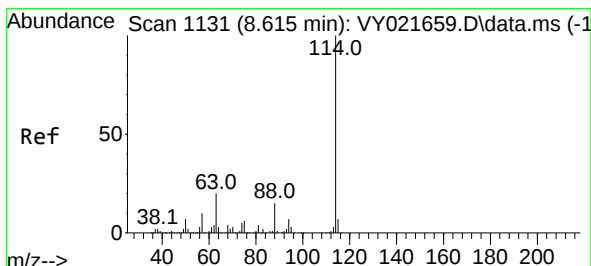
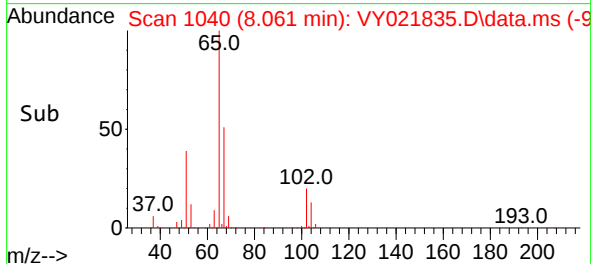
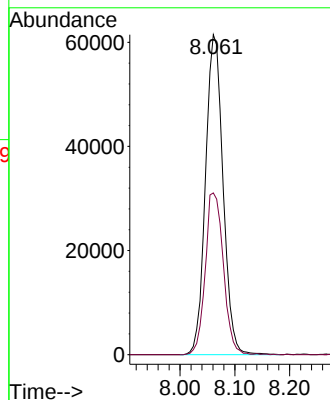
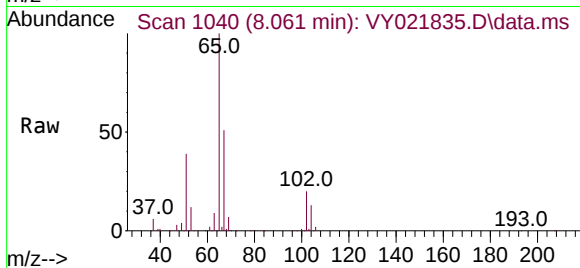
B-158-SB01

Tgt Ion: 65 Resp: 136380

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

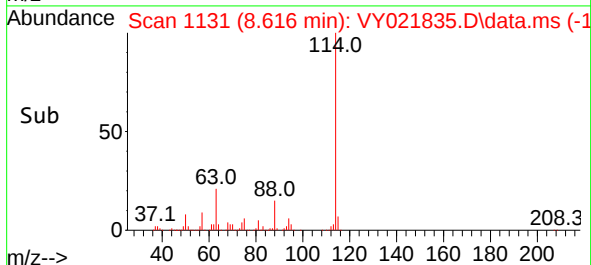
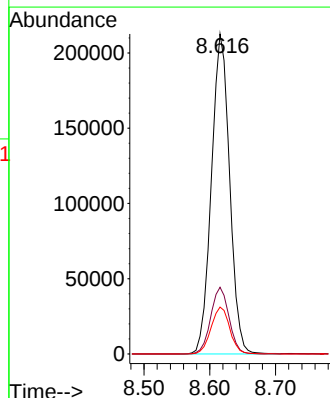
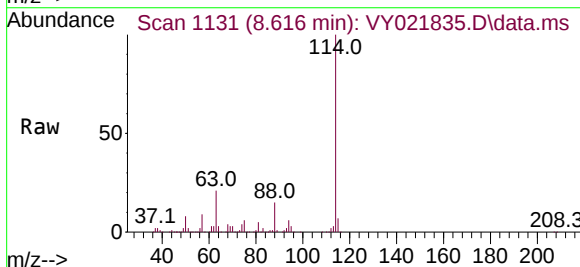
Tgt Ion: 114 Resp: 409739

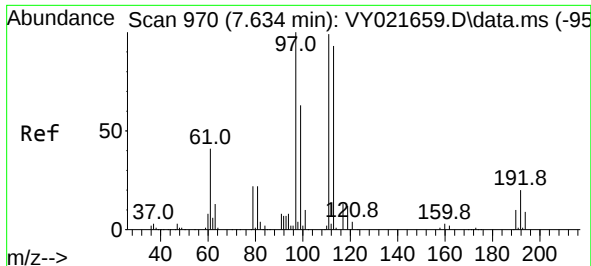
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 14.6 0.0 29.8

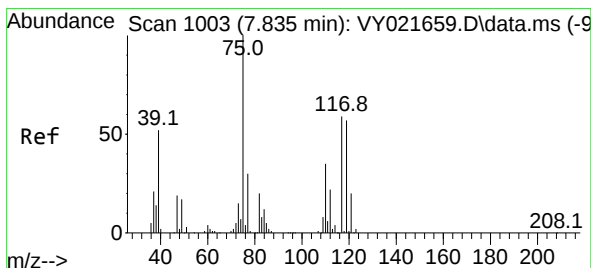
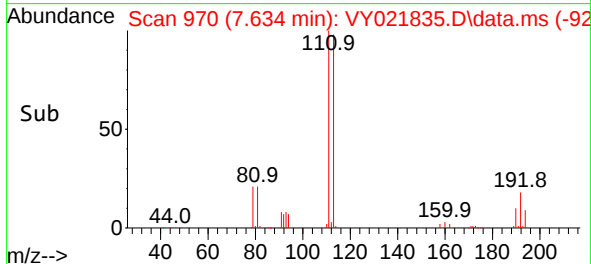
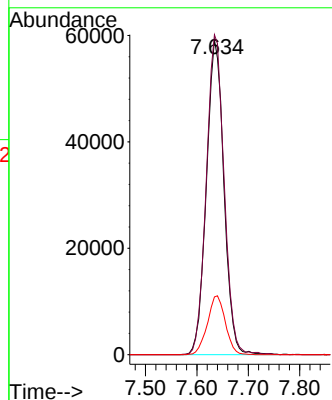
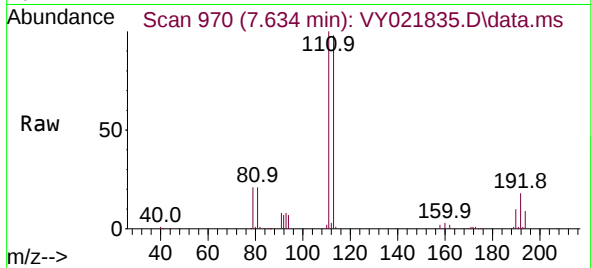




#35
Dibromofluoromethane
Concen: 52.602 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

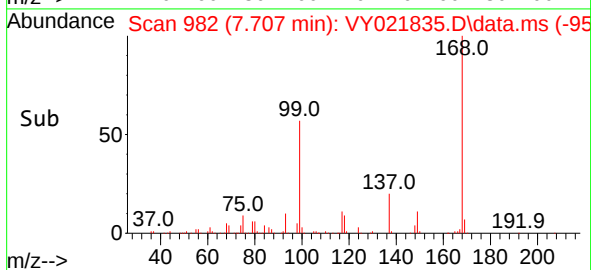
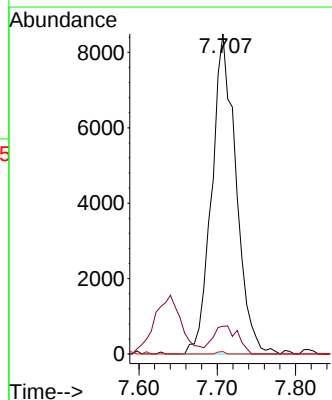
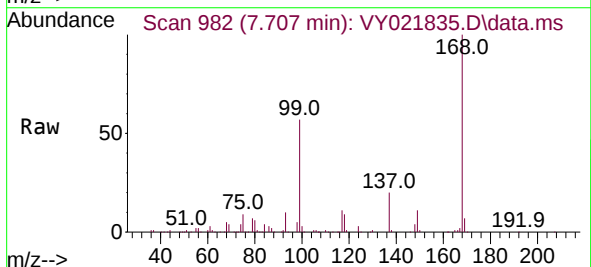
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

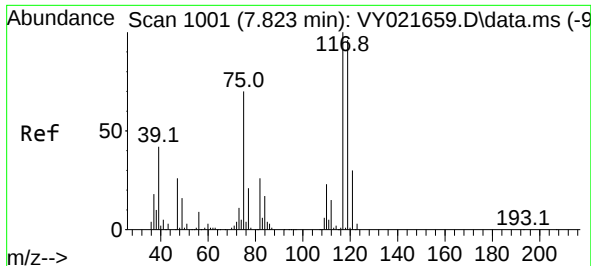
Tgt Ion:113 Resp: 139811
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 19.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 75 Resp: 18277
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.2 24.8 37.2#

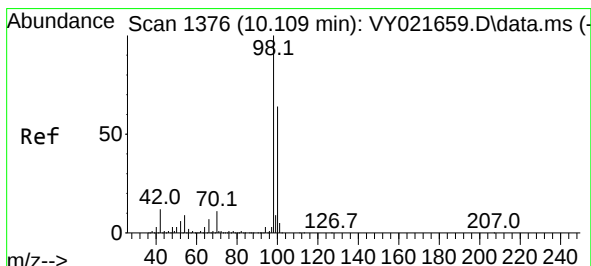
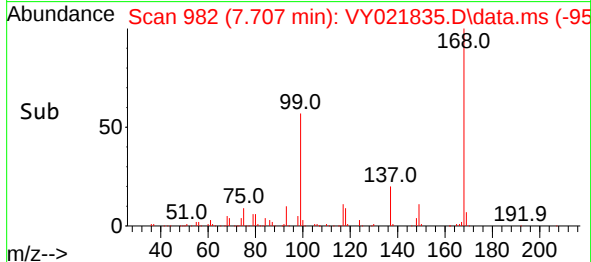
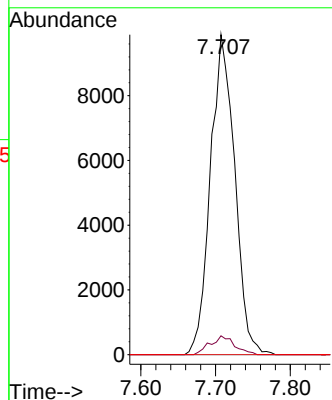
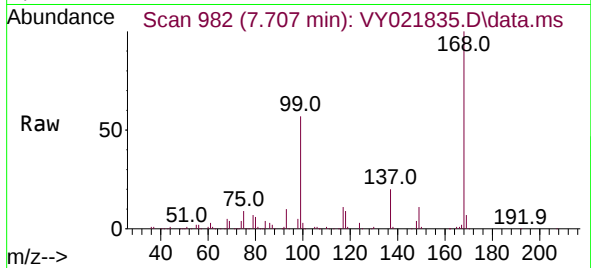




#38
Carbon Tetrachloride
Concen: 4.827 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

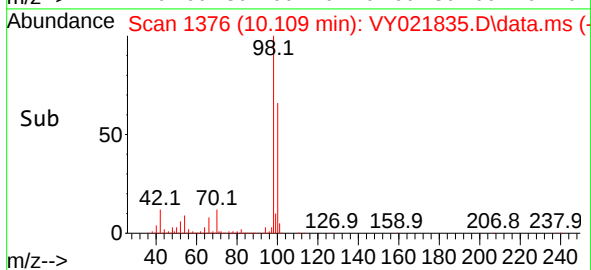
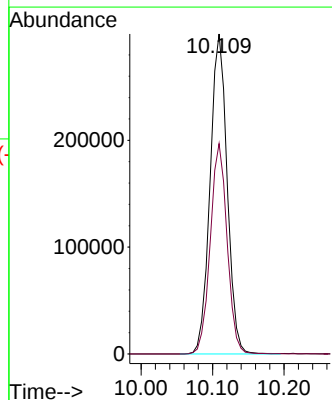
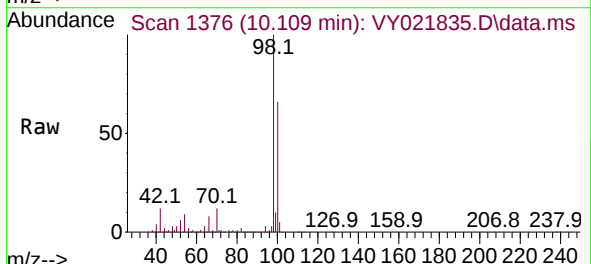
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

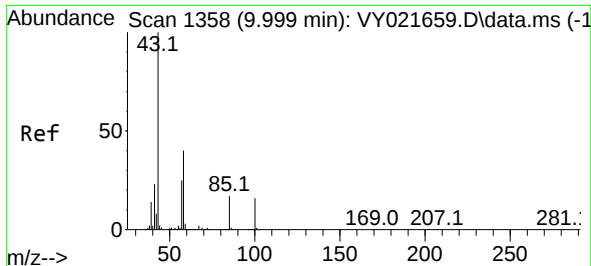
Tgt Ion:117 Resp: 22381
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.079 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 98 Resp: 496263
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 10.109 min Scan# 1358

Delta R.T. 0.110 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

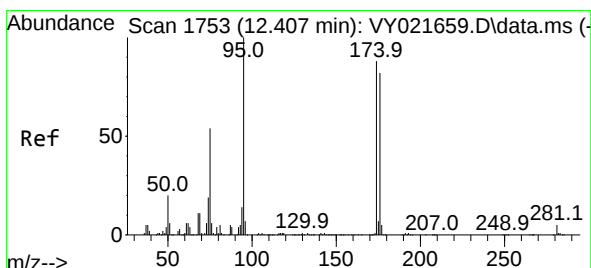
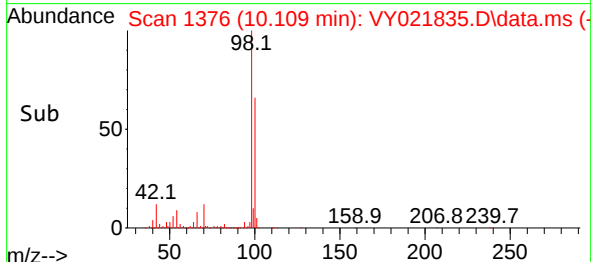
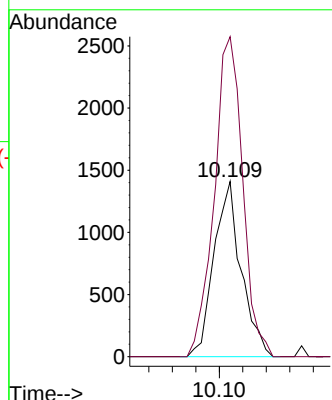
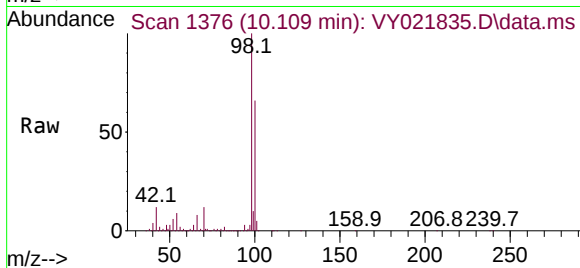
B-158-SB01

Tgt Ion: 43 Resp: 2265

Ion Ratio Lower Upper

43 100

58 191.1 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 40.494 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

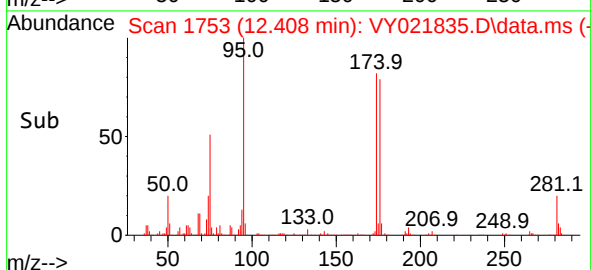
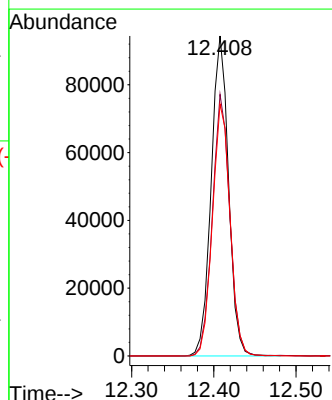
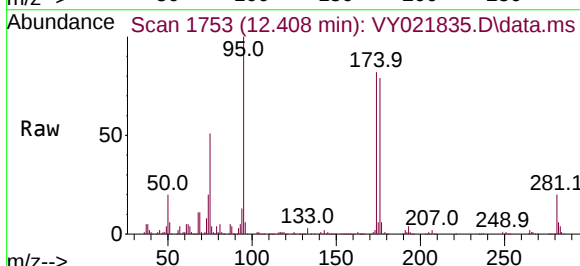
Tgt Ion: 95 Resp: 138498

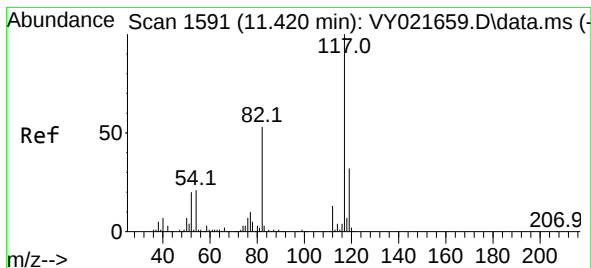
Ion Ratio Lower Upper

95 100

174 81.8 0.0 170.8

176 80.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

B-158-SB01

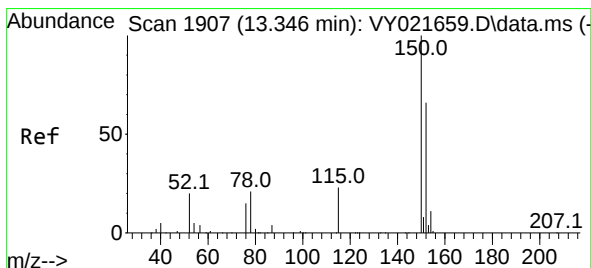
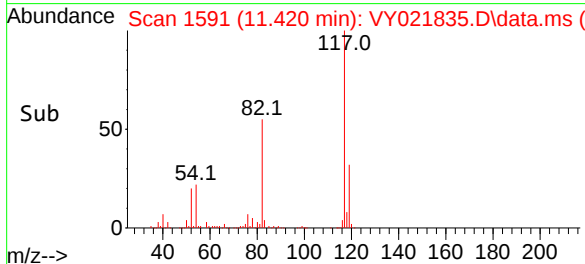
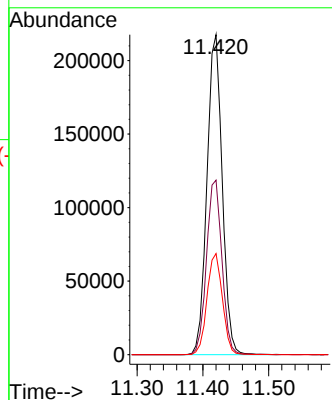
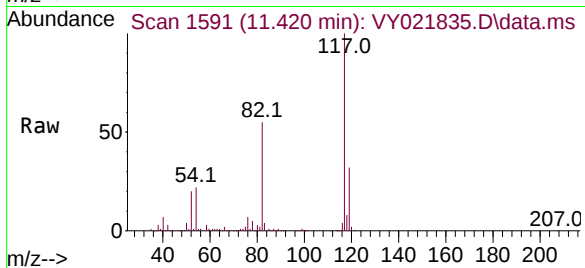
Tgt Ion:117 Resp: 351379

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 31.6 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: VY021835.D

Acq: 10 Apr 2025 14:03

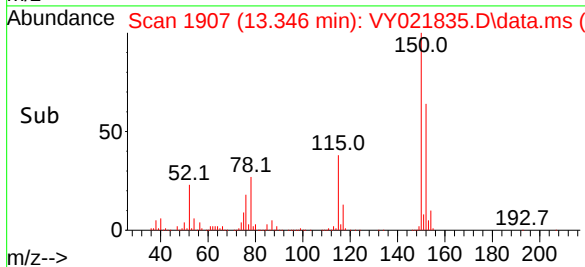
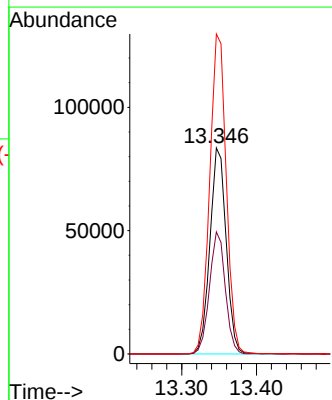
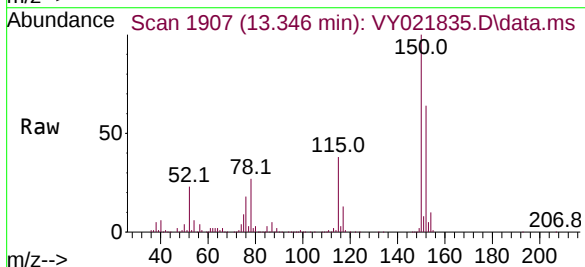
Tgt Ion:152 Resp: 126397

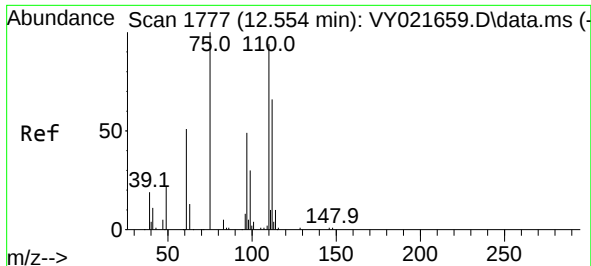
Ion Ratio Lower Upper

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115 57.8 28.8 86.5

150 157.9 0.0 348.4

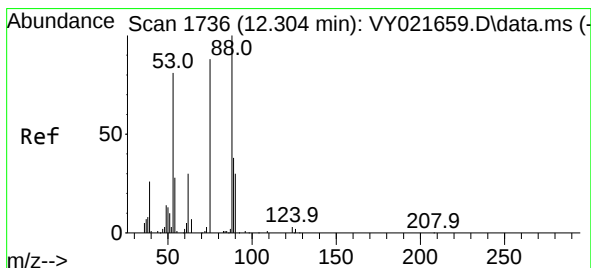
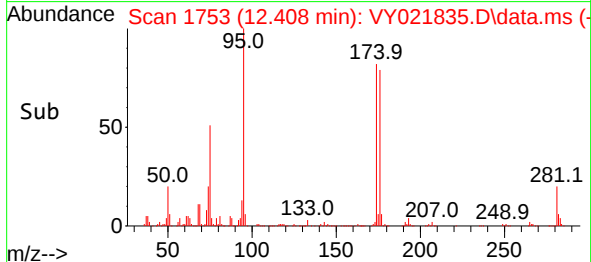
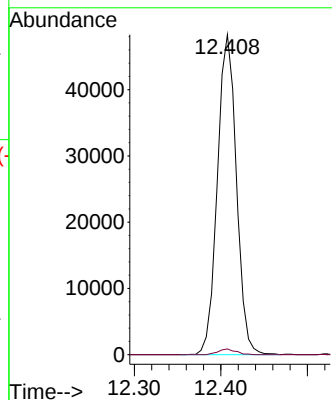
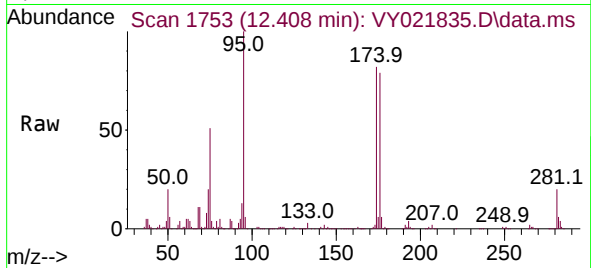




#76
1,2,3-Trichloropropane
Concen: 58.885 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Tgt Ion: 75 Resp: 73778
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.681 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 75 Resp: 73778
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.7 36.2 54.4#

