

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021851.D
 Acq On : 11 Apr 2025 11:35
 Operator : SY/MD
 Sample : VY0411SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBL01

Quant Time: Apr 12 02:45:44 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)

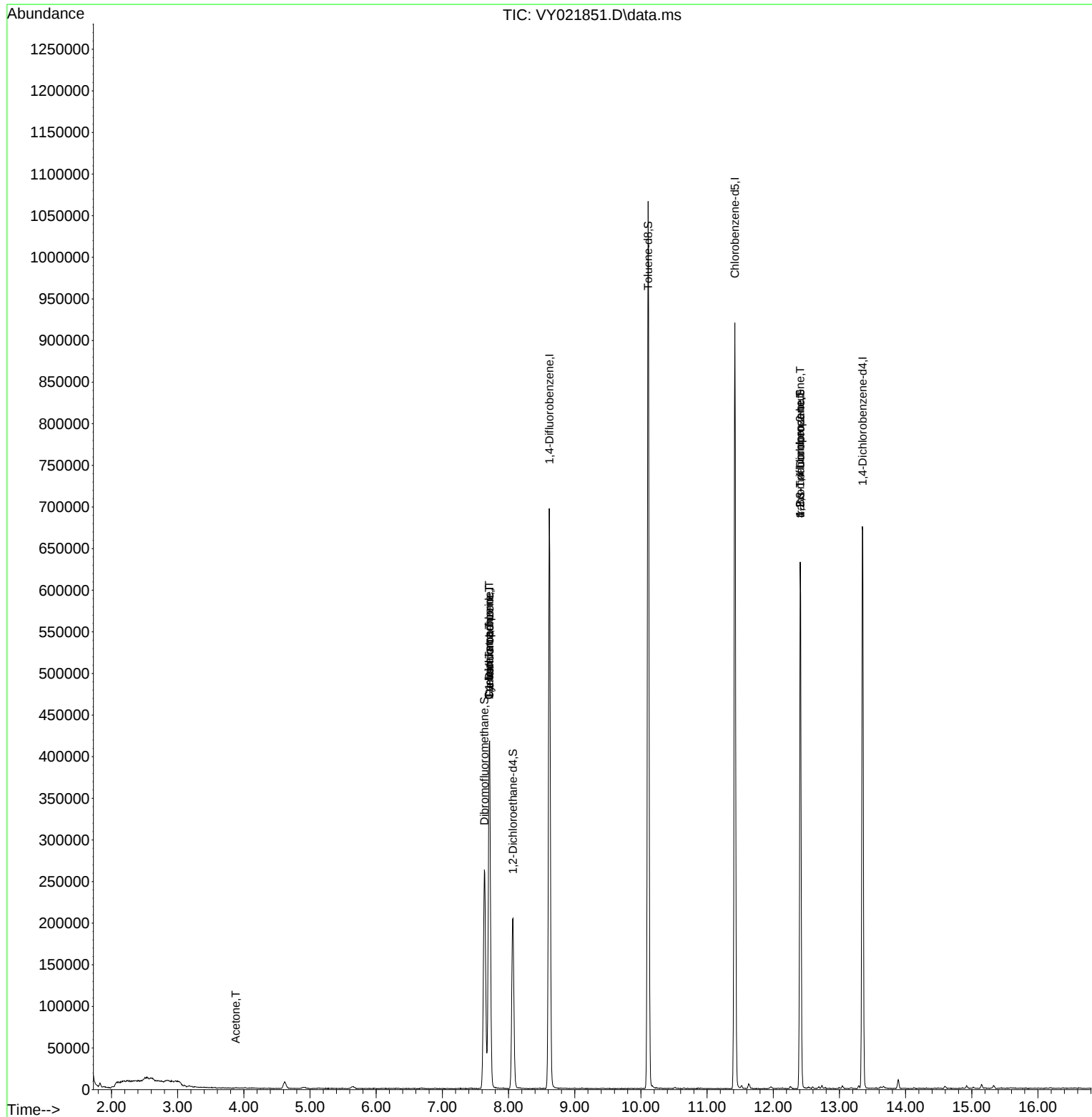
Internal Standards						
1) Pentafluorobenzene	7.713	168	321354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	579974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	477999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	174550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	163798	47.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.080%		
35) Dibromofluoromethane	7.634	113	185078	49.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.380%		
50) Toluene-d8	10.109	98	678908	47.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.860%		
62) 4-Bromofluorobenzene	12.407	95	189286	39.099	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.200%		
Target Compounds						
16) Acetone	3.879	43	1034	1.451	ug/l	95
20) Methylene Chloride	4.616	84	5487	Below Cal	#	93
31) Cyclohexane	7.707	56	7551	1.229	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	25111	4.382	ug/l #	51
38) Carbon Tetrachloride	7.707	117	33168	5.054	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	96998	56.060	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	96998	129.173	ug/l #	12

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

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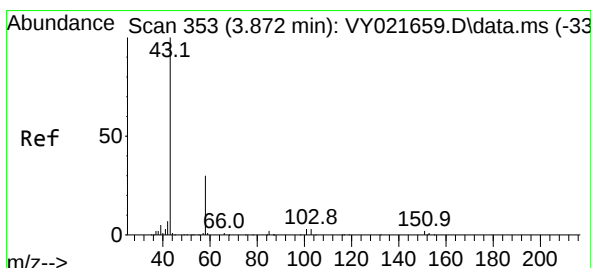
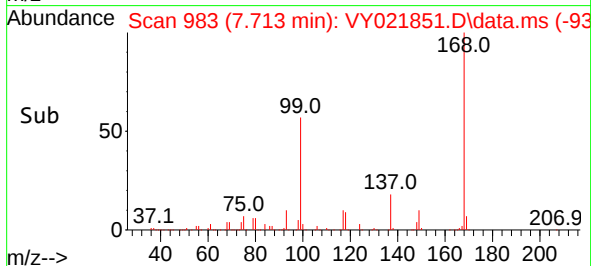
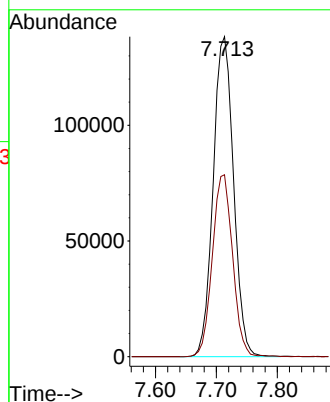
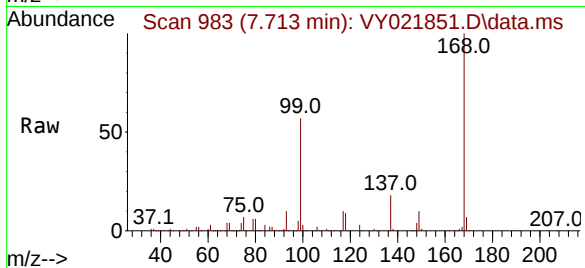




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

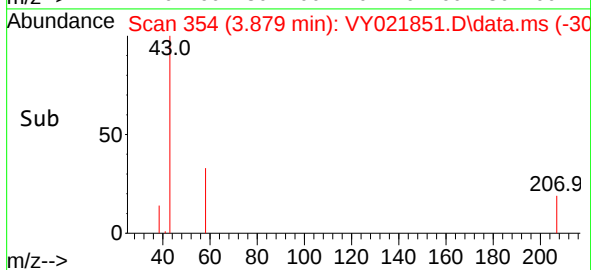
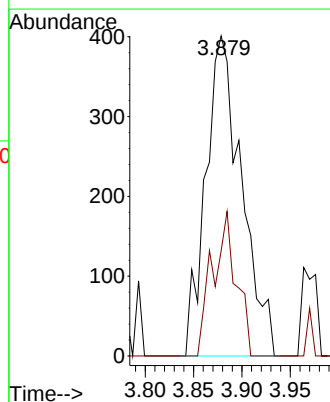
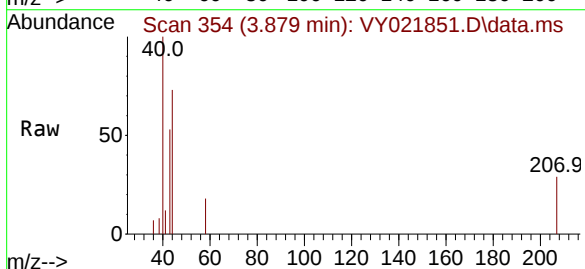
Instrument :
MSVOA_Y
ClientSampleId :
VY0411SBL01

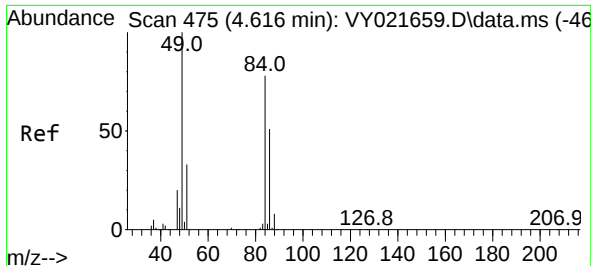
Tgt Ion:168 Resp: 321354
Ion Ratio Lower Upper
168 100
99 56.8 46.7 70.1



#16
Acetone
Concen: 1.451 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
58 32.9 24.2 36.4

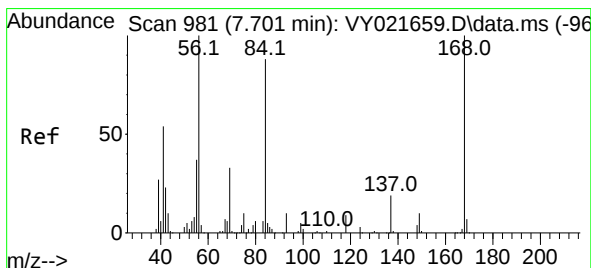
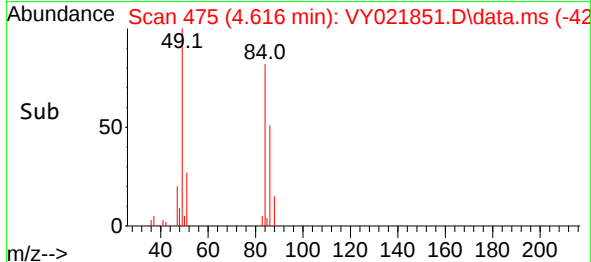
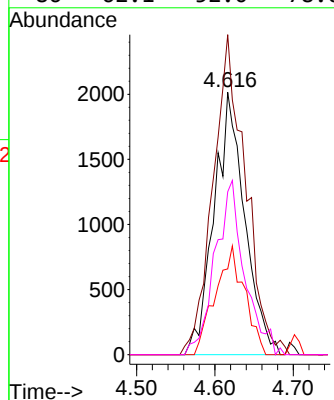
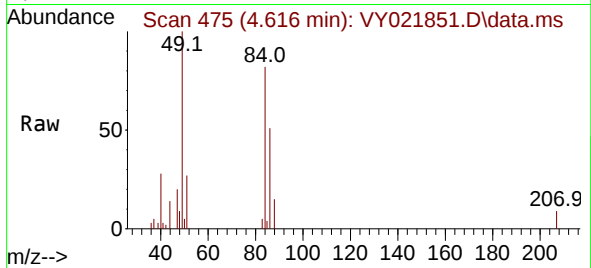




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

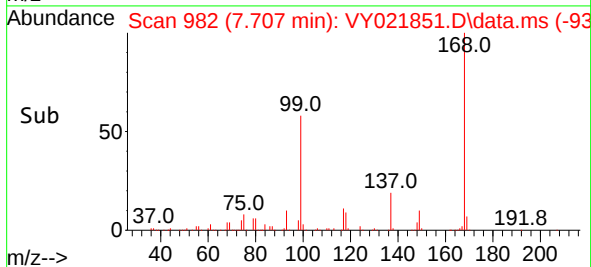
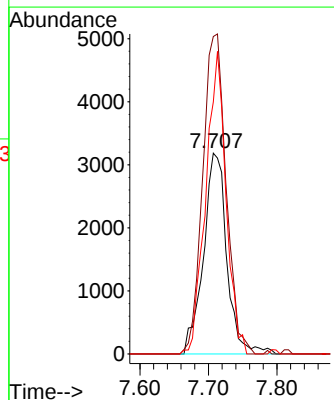
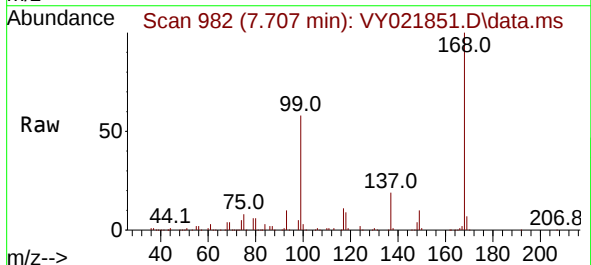
Instrument :
MSVOA_Y
ClientSampleId :
VY0411SBL01

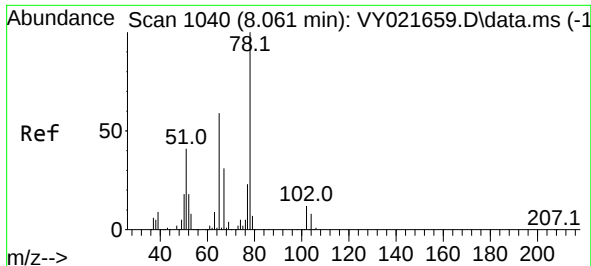
Tgt Ion:	84	Resp:	5487
Ion	Ratio	Lower	Upper
84	100		
49	121.9	102.8	154.2
51	32.6	33.5	50.3#
86	62.1	52.0	78.0



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

Tgt Ion:	56	Resp:	7551
Ion	Ratio	Lower	Upper
56	100		
69	158.1	26.6	40.0#
84	125.5	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 47.044 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021851.D

Acq: 11 Apr 2025 11:35

Instrument :

MSVOA_Y

ClientSampleId :

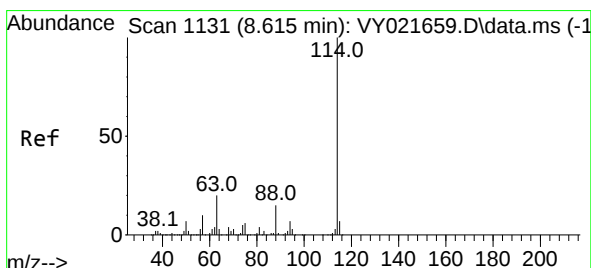
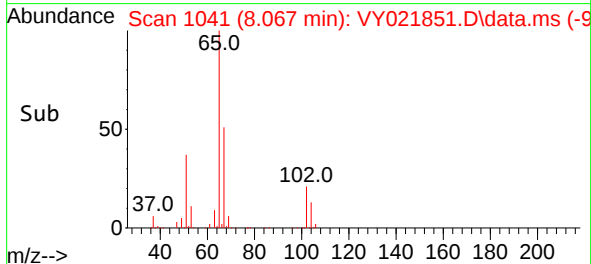
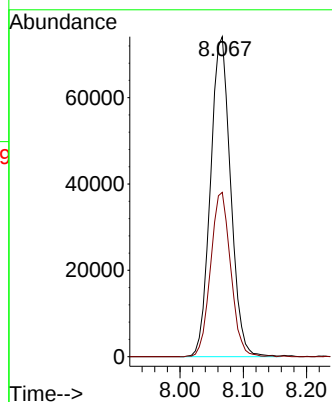
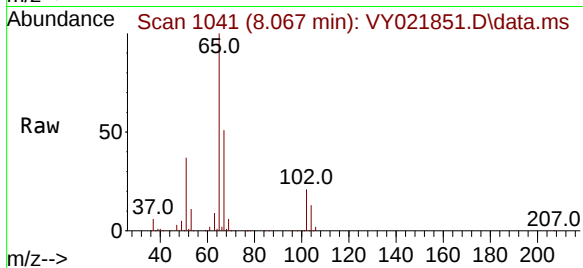
VY0411SBL01

Tgt Ion: 65 Resp: 163798

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021851.D

Acq: 11 Apr 2025 11:35

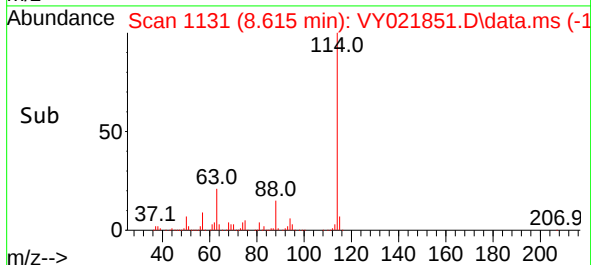
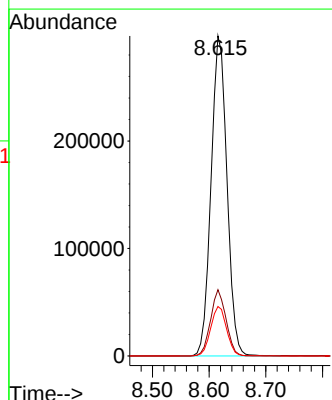
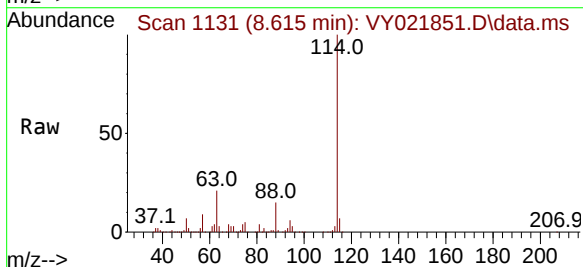
Tgt Ion: 114 Resp: 579974

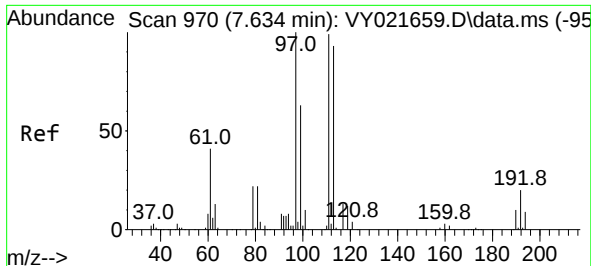
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.5 0.0 29.8

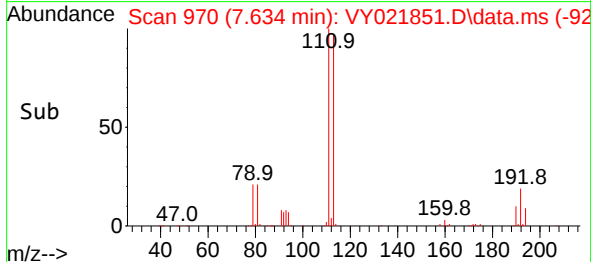
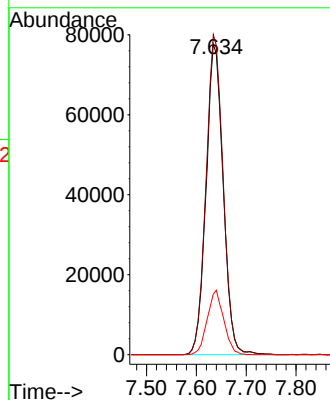
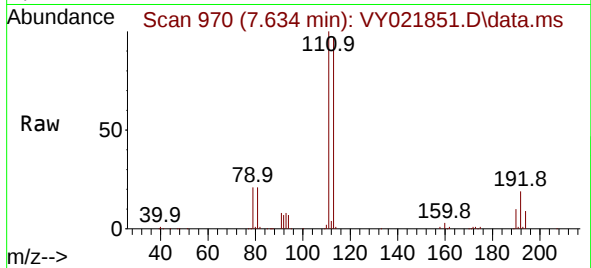




#35
Dibromofluoromethane
Concen: 49.194 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

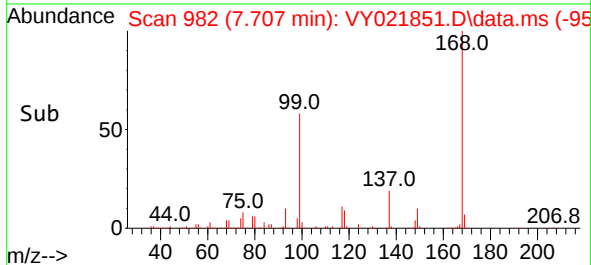
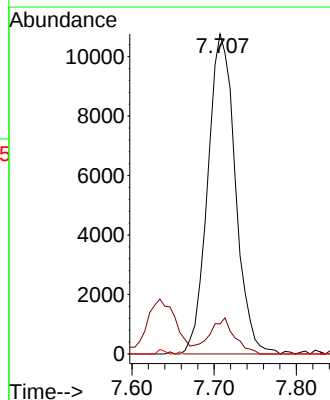
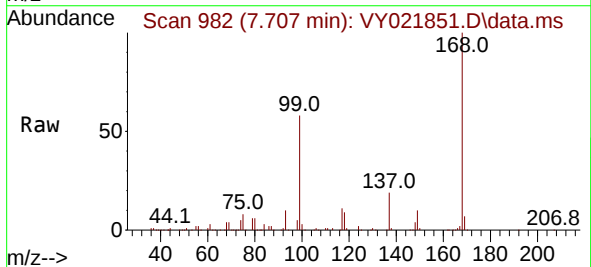
Instrument :
MSVOA_Y
ClientSampleId :
VY0411SBL01

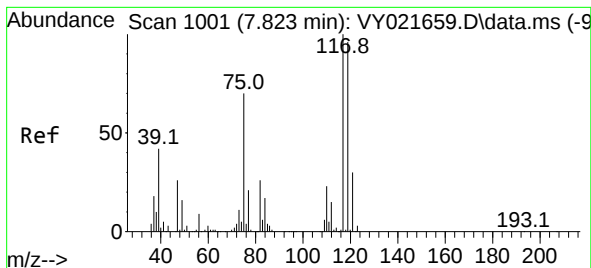
Tgt Ion:113 Resp: 185078
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

Tgt Ion: 75 Resp: 25111
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.054 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021851.D

Acq: 11 Apr 2025 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0411SBL01

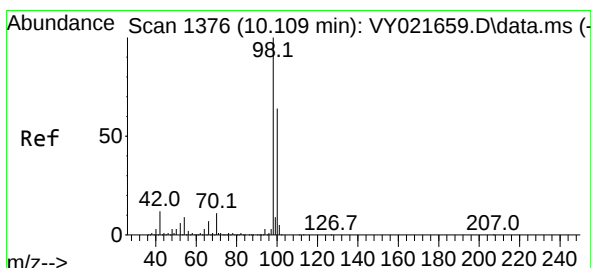
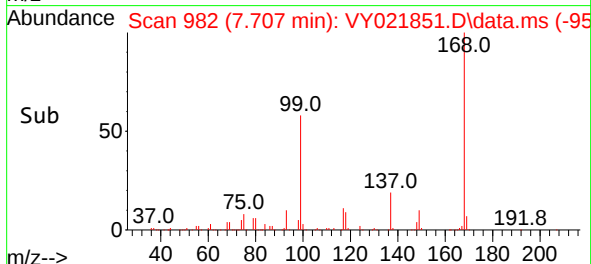
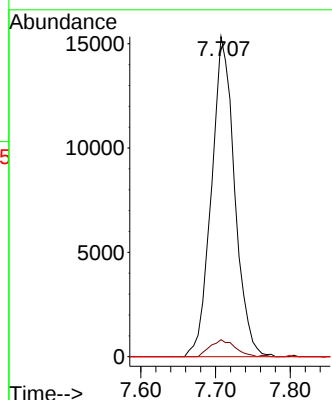
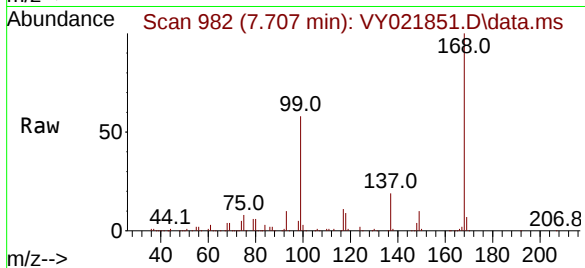
Tgt Ion:117 Resp: 33168

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 47.435 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021851.D

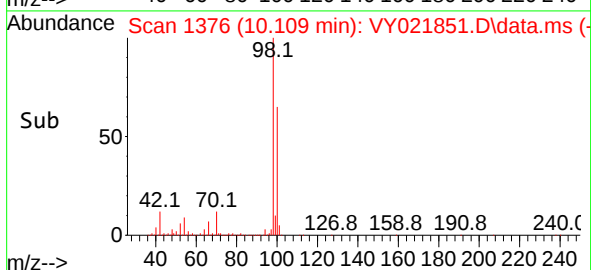
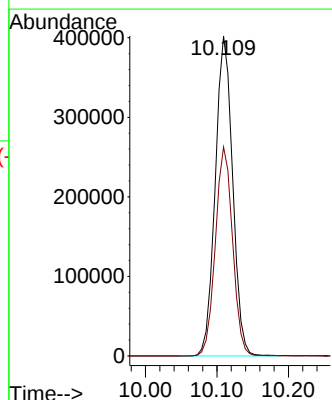
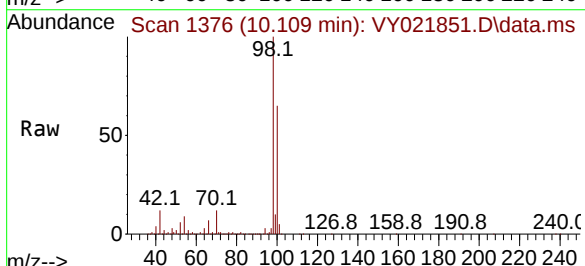
Acq: 11 Apr 2025 11:35

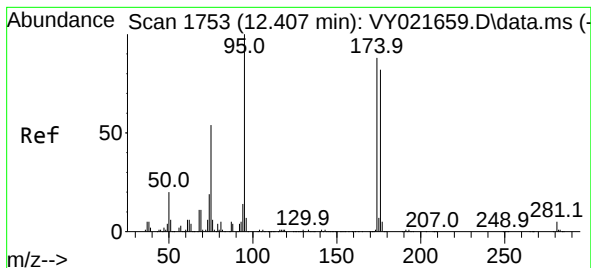
Tgt Ion: 98 Resp: 678908

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1

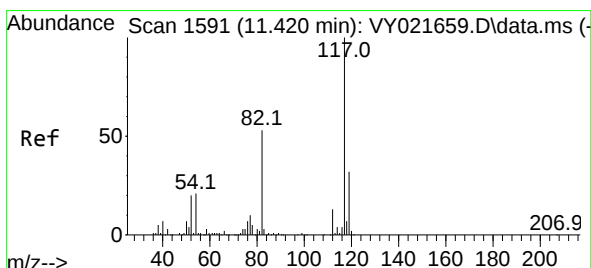
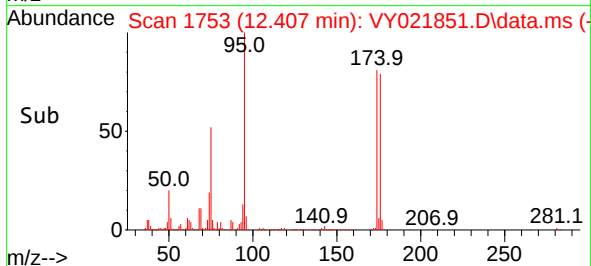
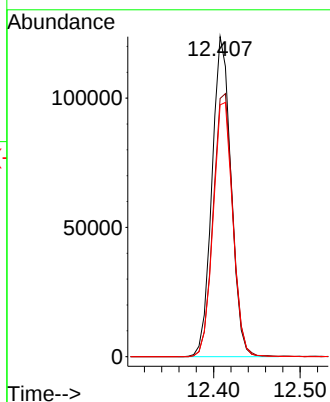
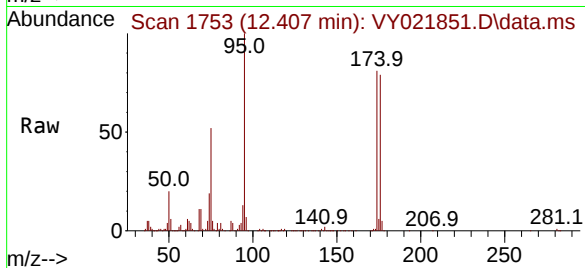




#62
4-Bromofluorobenzene
Concen: 39.099 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

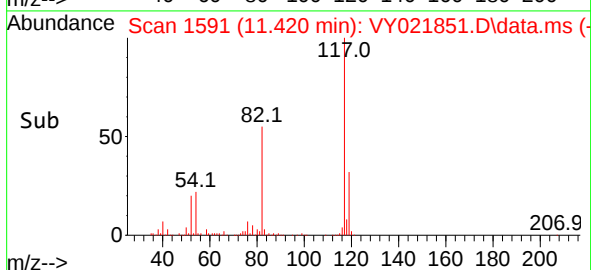
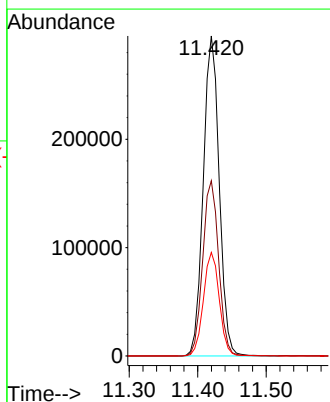
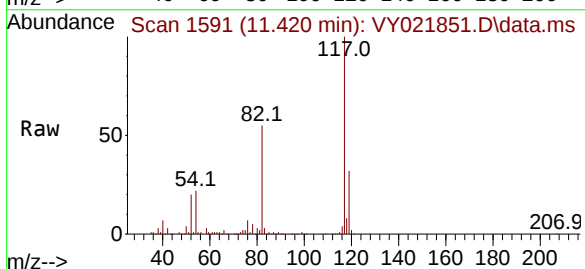
Instrument :
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VY0411SBL01

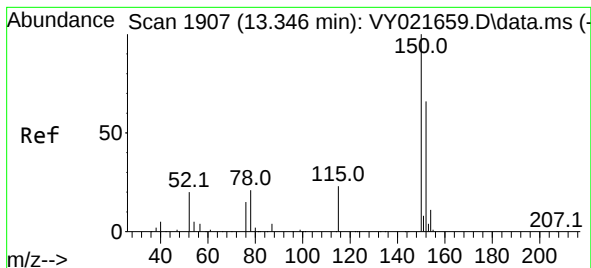
Tgt Ion: 95 Resp: 189286
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.8
176 81.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021851.D
Acq: 11 Apr 2025 11:35

Tgt Ion: 117 Resp: 477999
Ion Ratio Lower Upper
117 100
82 54.8 42.8 64.2
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021851.D

Acq: 11 Apr 2025 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0411SBL01

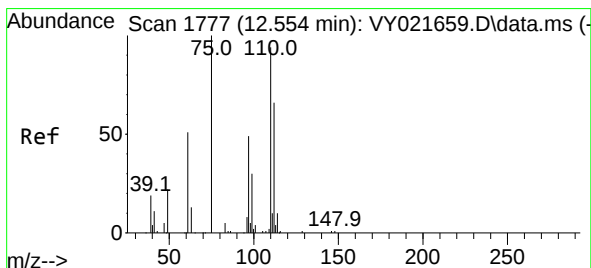
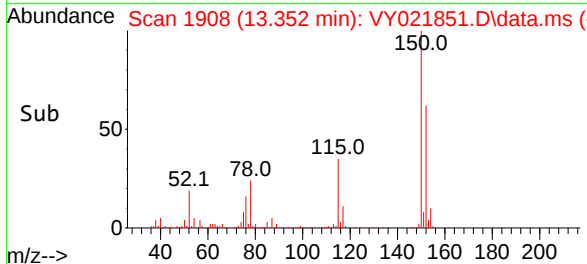
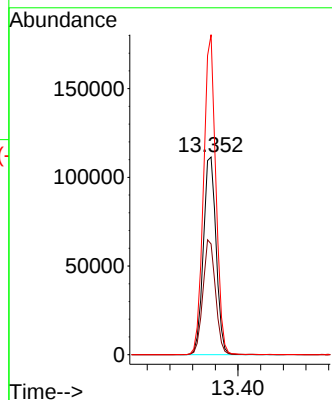
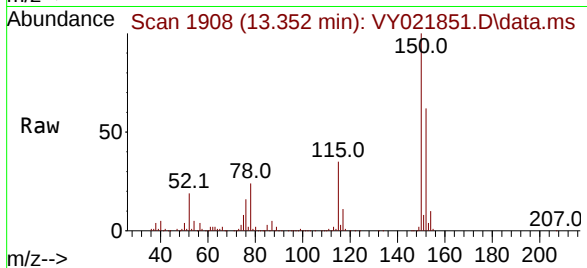
Tgt Ion:152 Resp: 174550

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 155.5 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.060 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021851.D

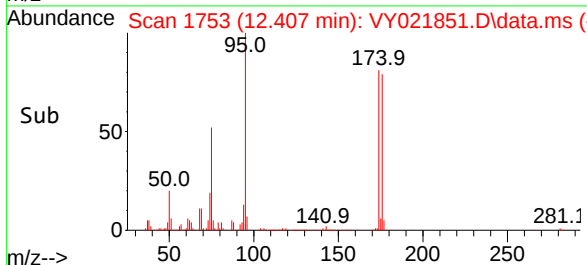
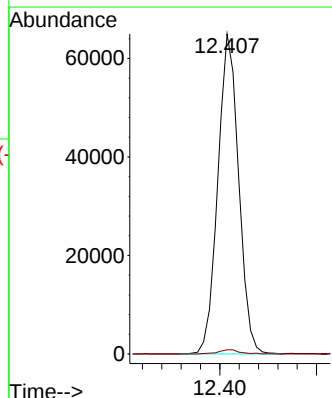
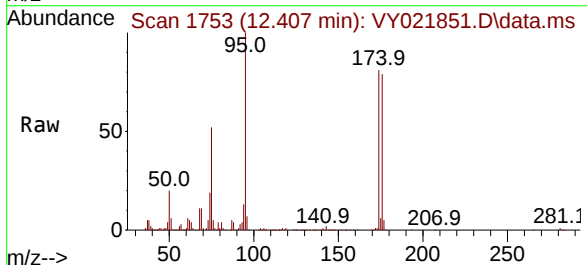
Acq: 11 Apr 2025 11:35

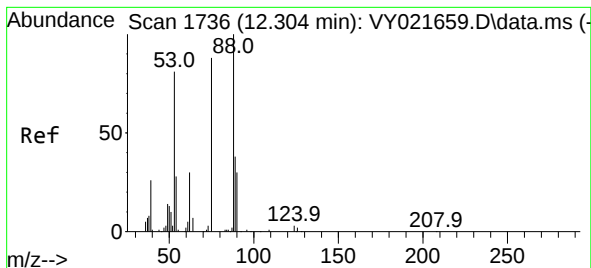
Tgt Ion: 75 Resp: 96998

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.173 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021851.D
 Acq: 11 Apr 2025 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBL01

Tgt Ion: 75 Resp: 96998
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

