

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021780.D
 Acq On : 04 Apr 2025 12:22
 Operator : SY/MD
 Sample : Q1721-01
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-040325

Quant Time: Apr 04 23:39:19 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)

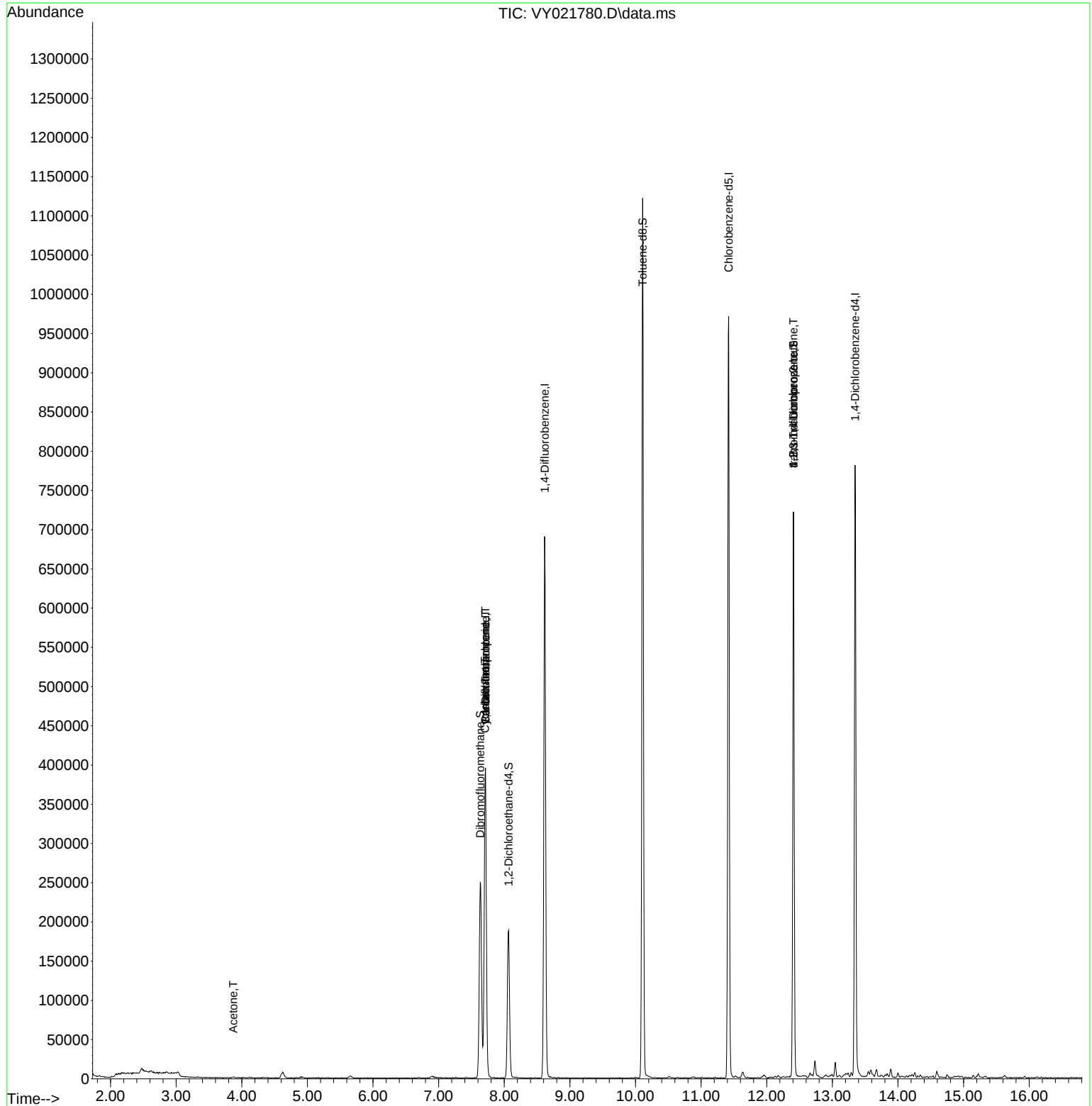
Internal Standards						
1) Pentafluorobenzene	7.713	168	297023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	561681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	504292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	154558	48.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.060%		
35) Dibromofluoromethane	7.634	113	178246	48.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.840%		
50) Toluene-d8	10.109	98	693556	50.036	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.407	95	206543	44.053	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.100%		
Target Compounds						
16) Acetone	3.872	43	1598	2.426	ug/l #	89
20) Methylene Chloride	4.622	84	5031	Below Cal		89
31) Cyclohexane	7.707	56	6816	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	24153	4.352	ug/l #	51
38) Carbon Tetrachloride	7.713	117	30074	4.731	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	110641	58.186	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	110641	134.071	ug/l #	12

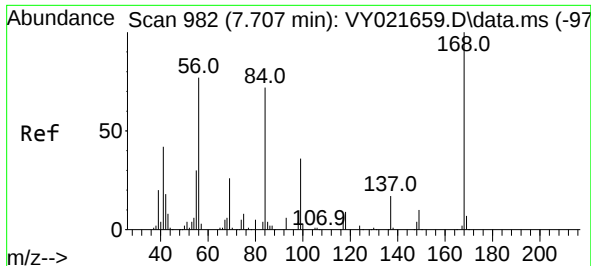
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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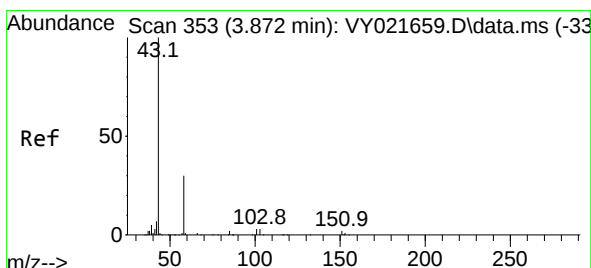
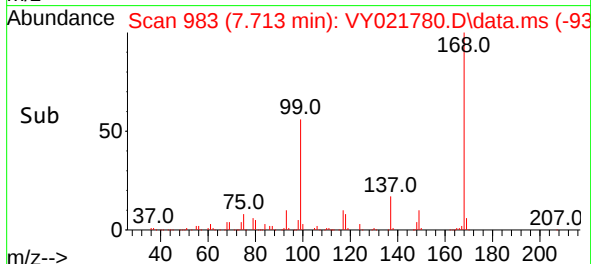
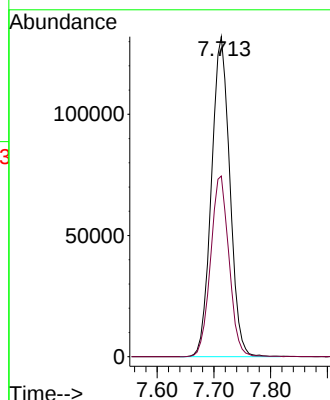
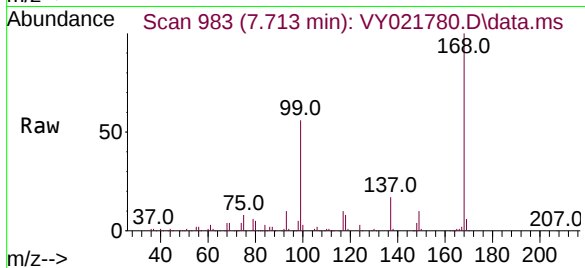




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

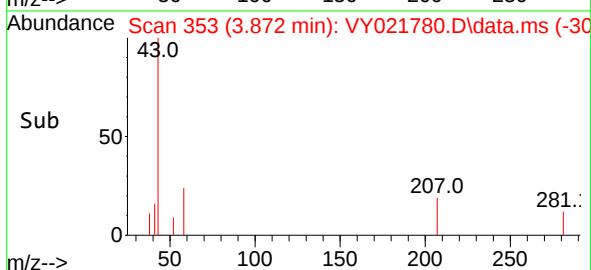
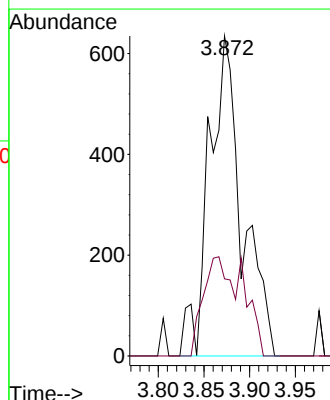
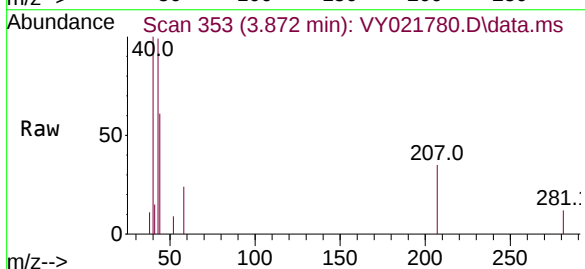
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-040325

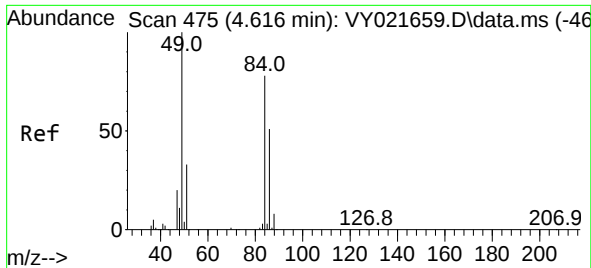
Tgt Ion:168 Resp: 297023
Ion Ratio Lower Upper
168 100
99 56.4 46.7 70.1



#16
Acetone
Concen: 2.426 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

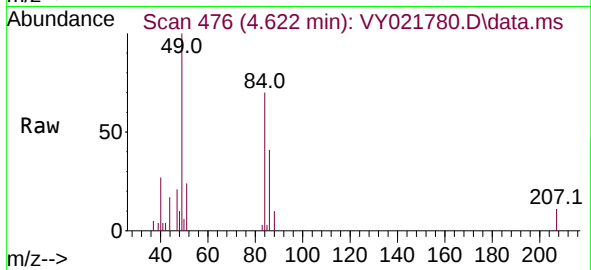
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
58 24.1 24.2 36.4#



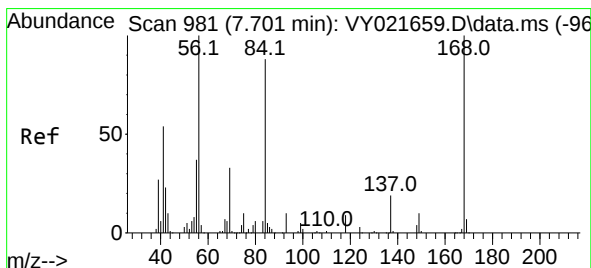
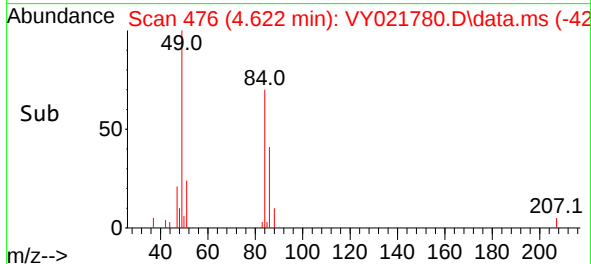
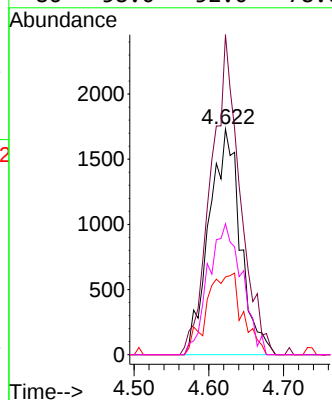


#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-040325

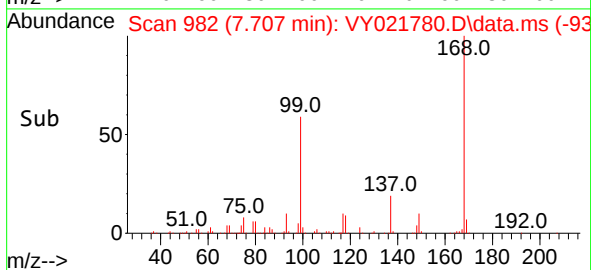
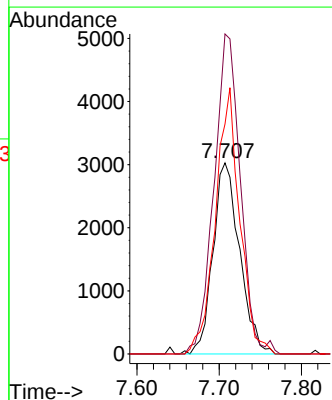
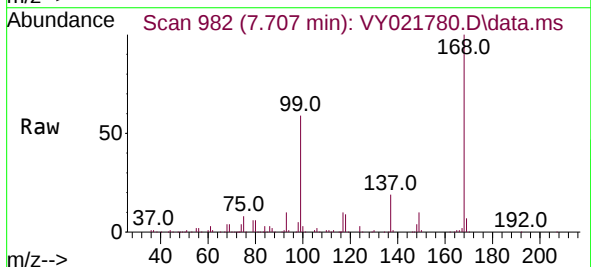


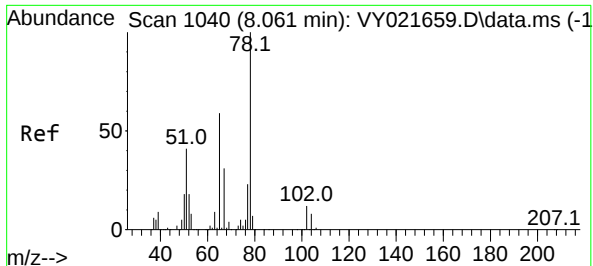
Tgt Ion:	84	Resp:	5031
Ion	Ratio	Lower	Upper
84	100		
49	141.9	102.8	154.2
51	34.4	33.5	50.3
86	58.0	52.0	78.0



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

Tgt Ion:	56	Resp:	6816
Ion	Ratio	Lower	Upper
56	100		
69	167.5	26.6	40.0#
84	129.2	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 48.027 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021780.D

Acq: 04 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

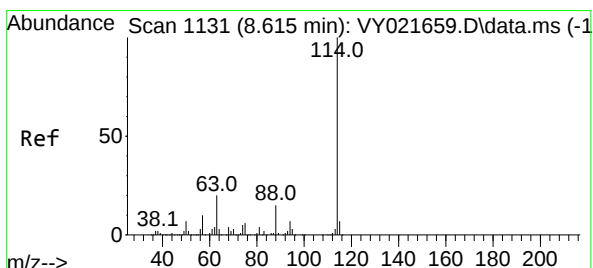
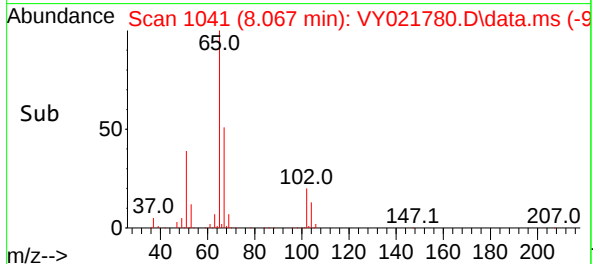
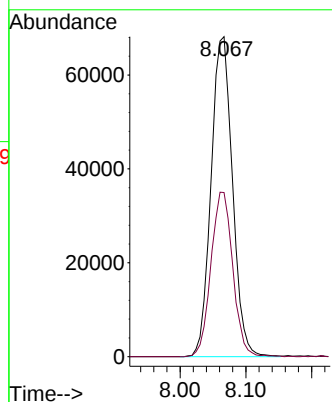
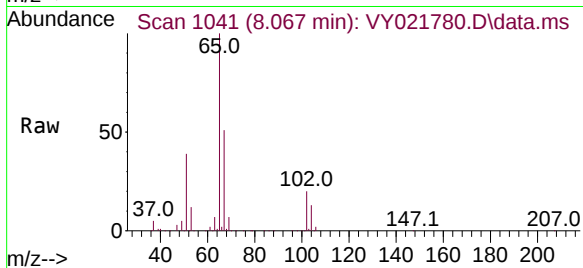
AU-05-040325

Tgt Ion: 65 Resp: 154558

Ion Ratio Lower Upper

65 100

67 52.4 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: VY021780.D

Acq: 04 Apr 2025 12:22

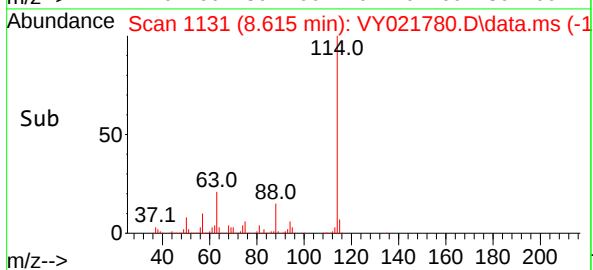
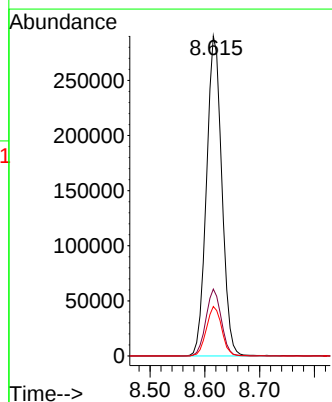
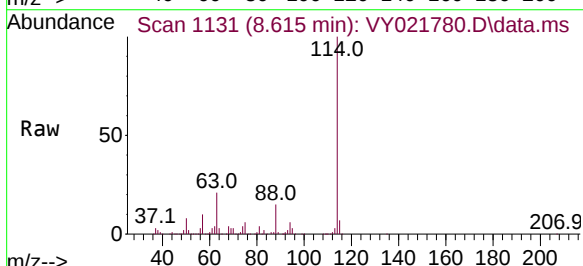
Tgt Ion: 114 Resp: 561681

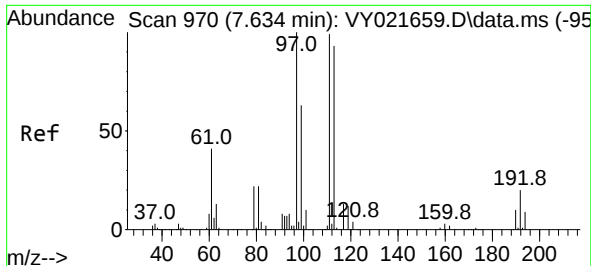
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 15.5 0.0 29.8

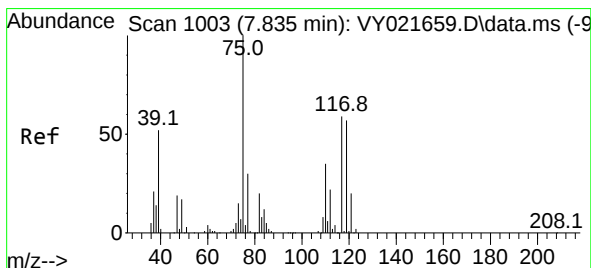
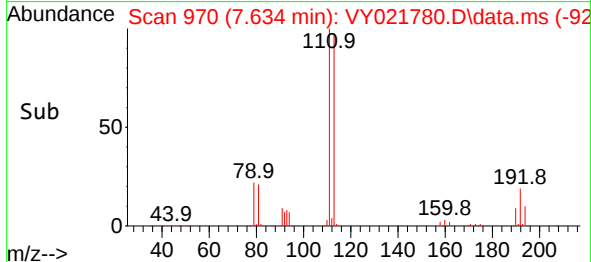
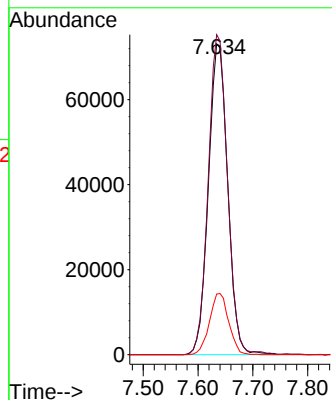
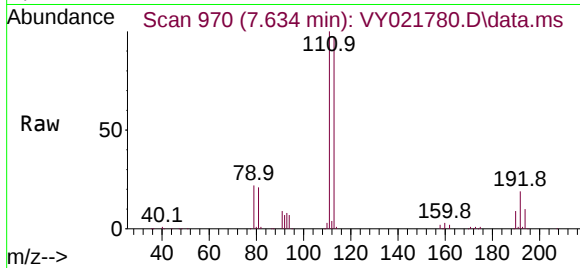




#35
Dibromofluoromethane
Concen: 48.921 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

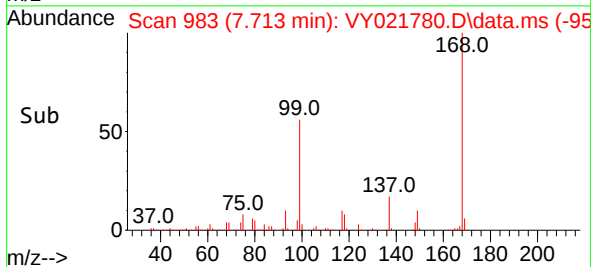
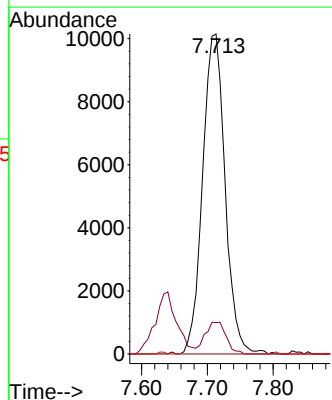
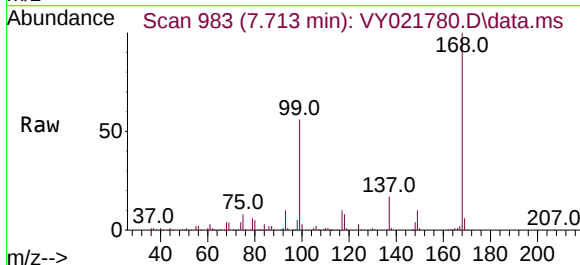
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-040325

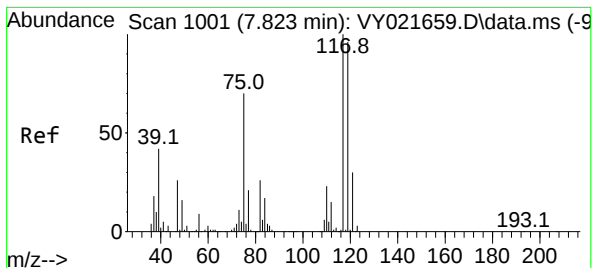
Tgt Ion:113 Resp: 178246
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.352 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

Tgt Ion: 75 Resp: 24153
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.731 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021780.D

Acq: 04 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-040325

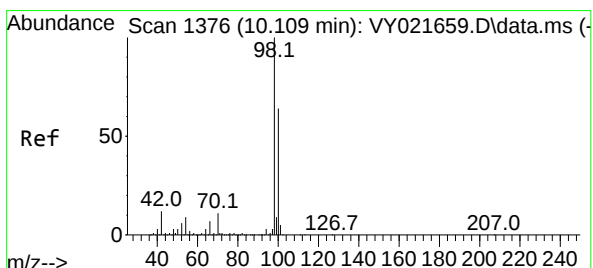
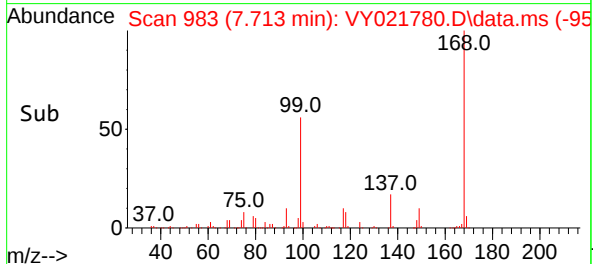
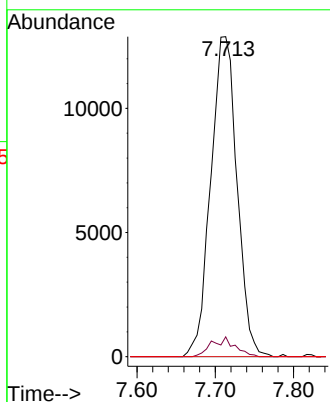
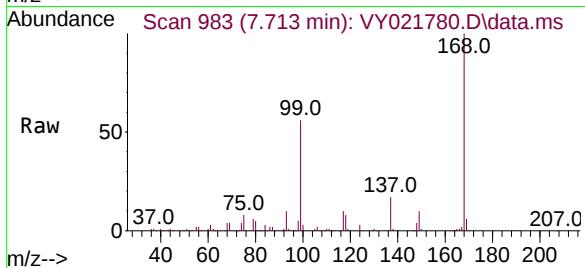
Tgt Ion:117 Resp: 30074

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 50.036 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021780.D

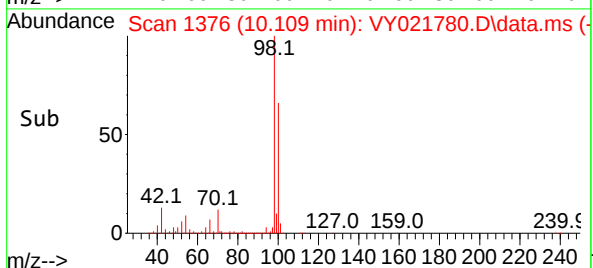
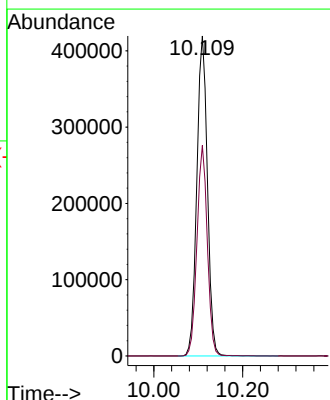
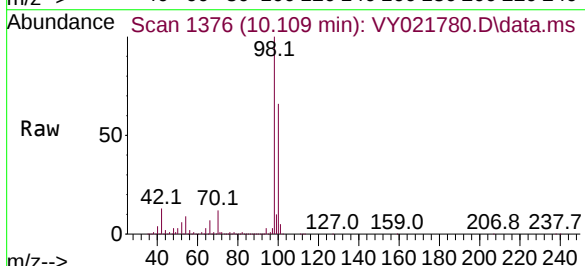
Acq: 04 Apr 2025 12:22

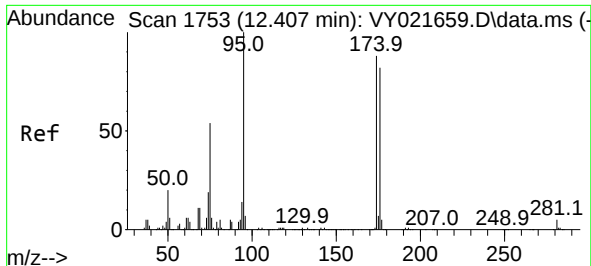
Tgt Ion: 98 Resp: 693556

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

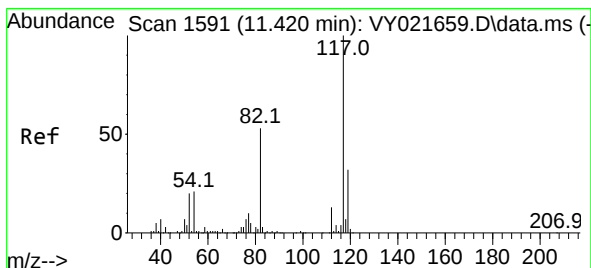
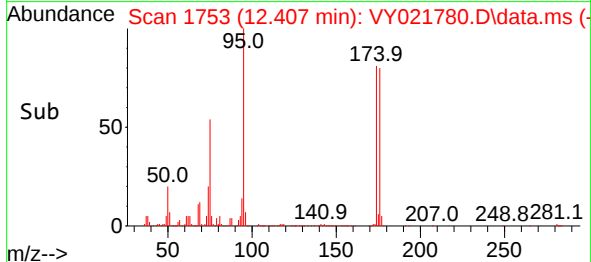
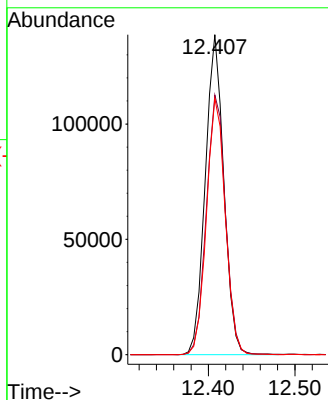
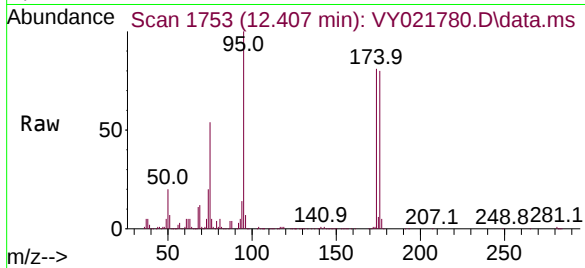




#62
4-Bromofluorobenzene
Concen: 44.053 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

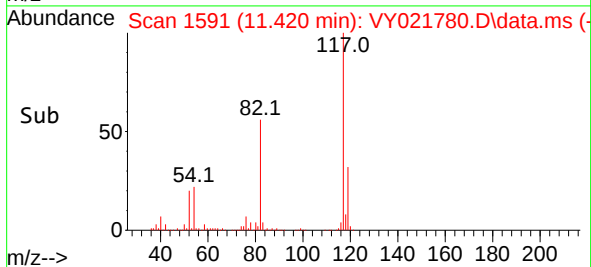
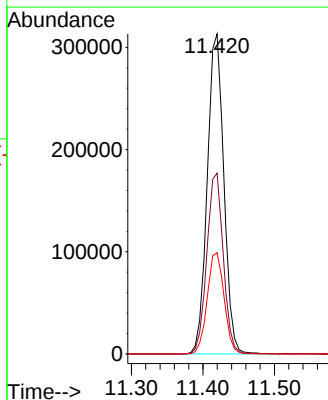
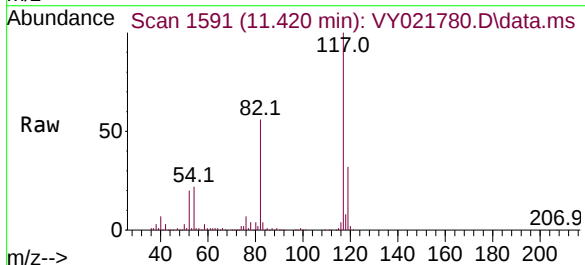
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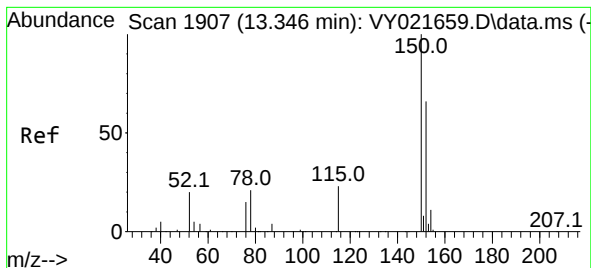
Tgt Ion: 95 Resp: 206543
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 81.3 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021780.D
Acq: 04 Apr 2025 12:22

Tgt Ion: 117 Resp: 504292
Ion Ratio Lower Upper
117 100
82 56.5 42.8 64.2
119 31.7 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: VY021780.D

Acq: 04 Apr 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-040325

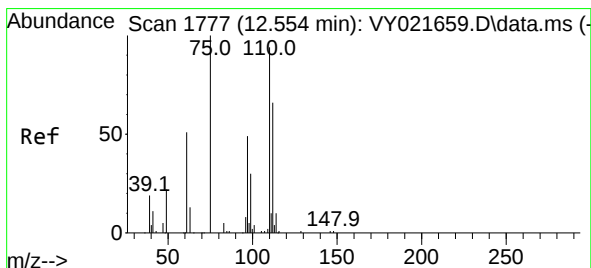
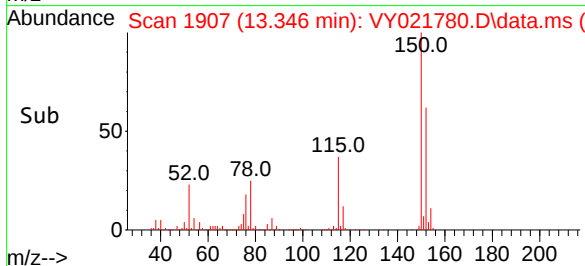
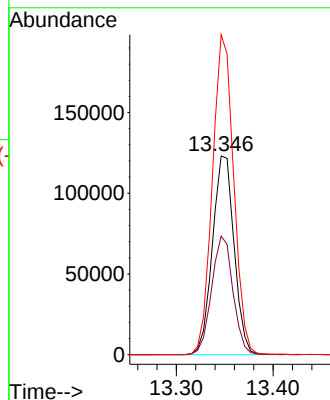
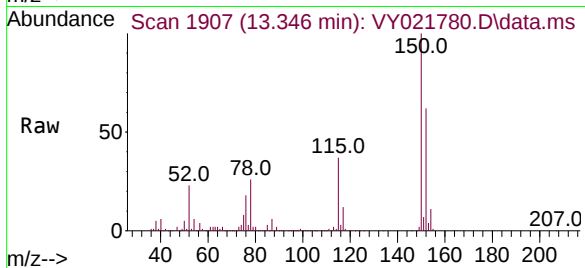
Tgt Ion:152 Resp: 191827

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 157.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 58.186 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021780.D

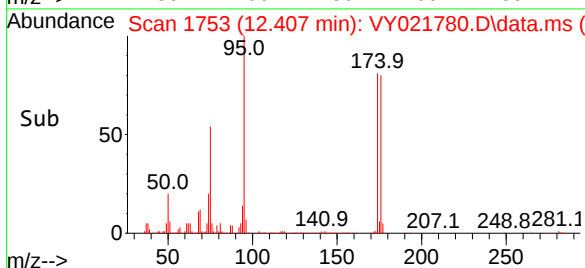
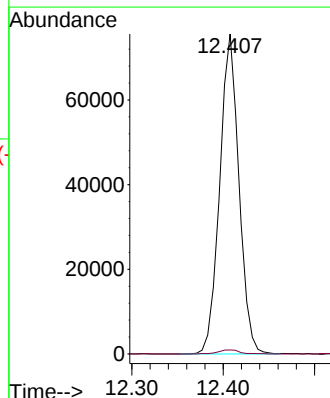
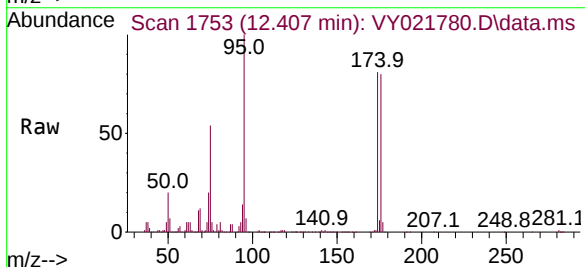
Acq: 04 Apr 2025 12:22

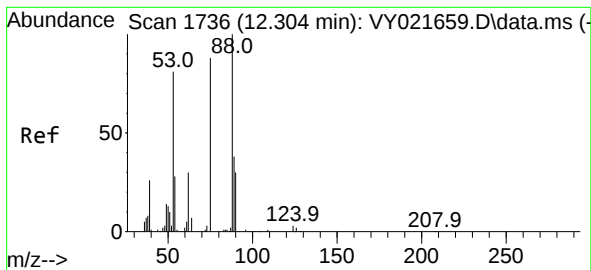
Tgt Ion: 75 Resp: 110641

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.071 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021780.D
 Acq: 04 Apr 2025 12:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-040325

Tgt Ion: 75 Resp: 110641
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

