

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022177.D
 Acq On : 06 May 2025 12:40
 Operator : SY/MD
 Sample : Q1960-02
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11933

Quant Time: May 07 04:34:27 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)

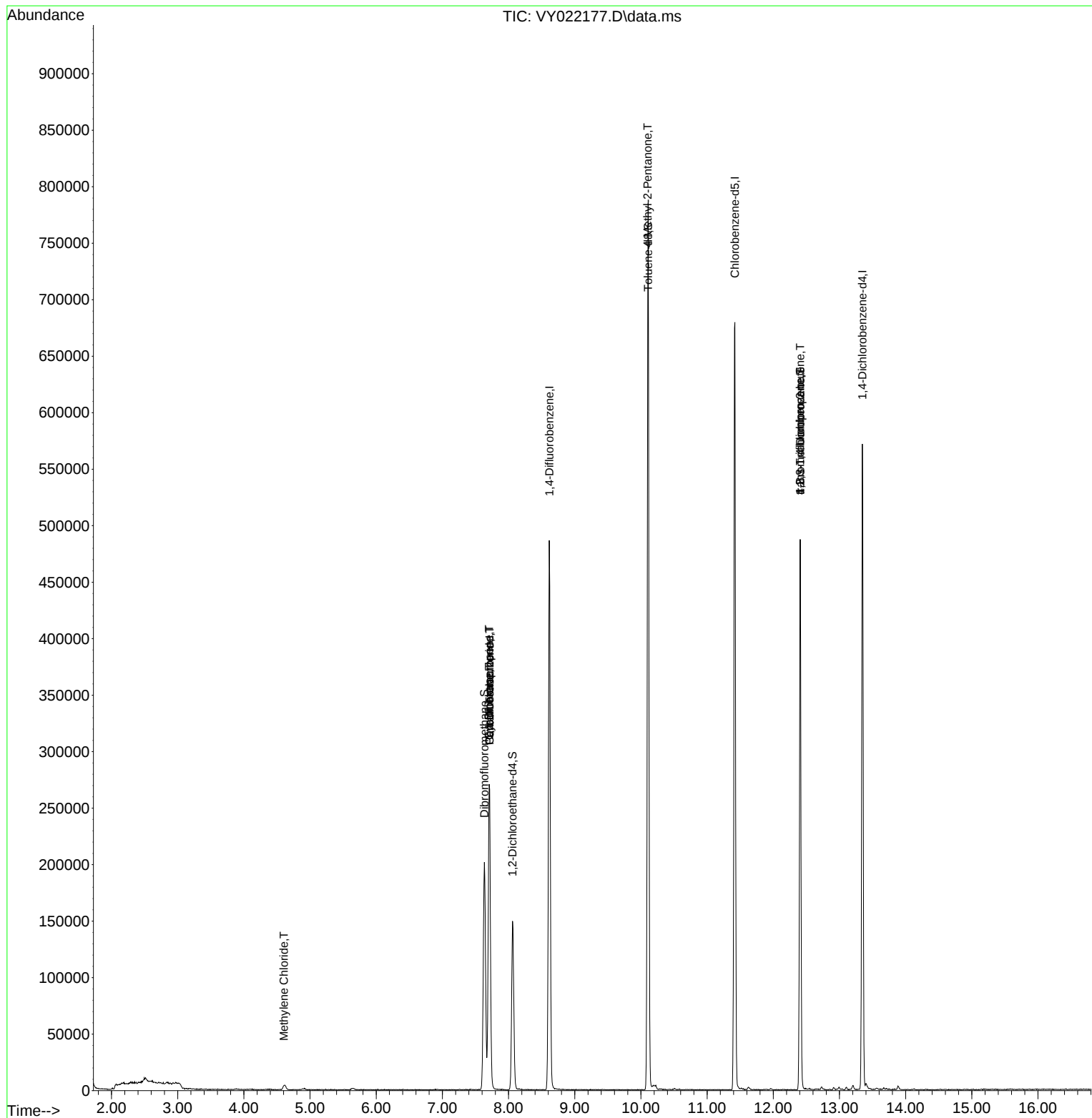
Internal Standards						
1) Pentafluorobenzene	7.713	168	211599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	419403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	380157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	118561	60.660	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.320%			
35) Dibromofluoromethane	7.634	113	143997	51.969	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.940%			
50) Toluene-d8	10.109	98	511849	49.000	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.000%			
62) 4-Bromofluorobenzene	12.407	95	143933	40.931	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.860%			
Target Compounds						Qvalue
16) Acetone	3.884	43	843	Below Cal		89
20) Methylene Chloride	4.604	84	3307	1.338	ug/l	94
31) Cyclohexane	7.707	56	4397	1.361	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	16758	4.503	ug/l #	48
38) Carbon Tetrachloride	7.713	117	20991	4.720	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1813	1.347	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	72284	57.898	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	72284	139.428	ug/l #	16

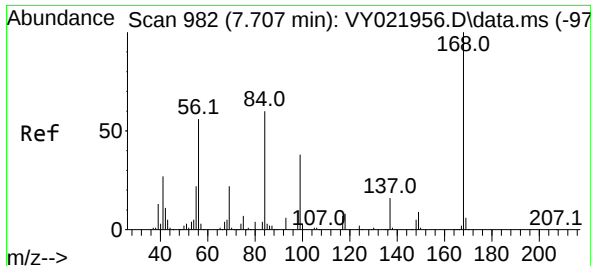
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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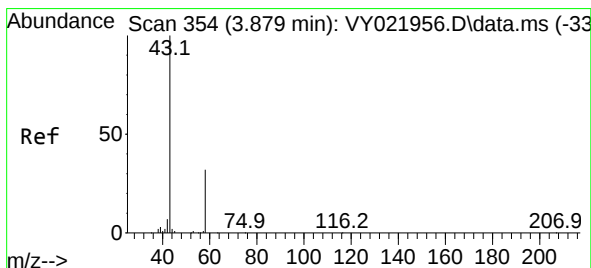
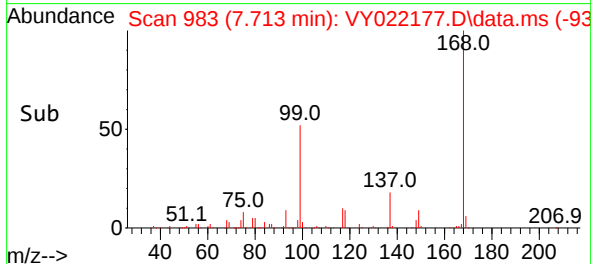
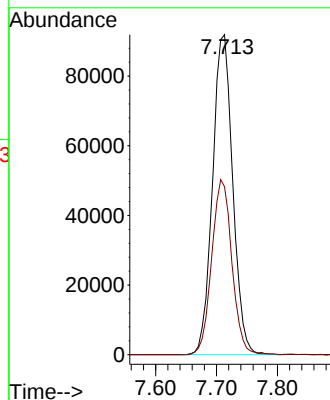
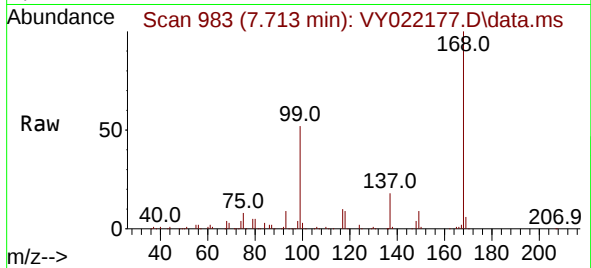




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

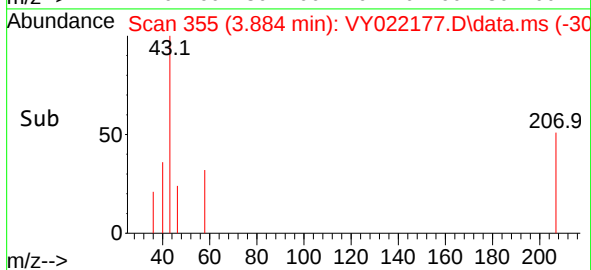
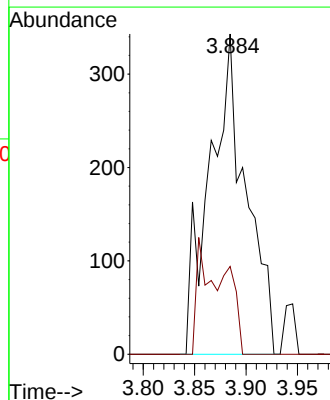
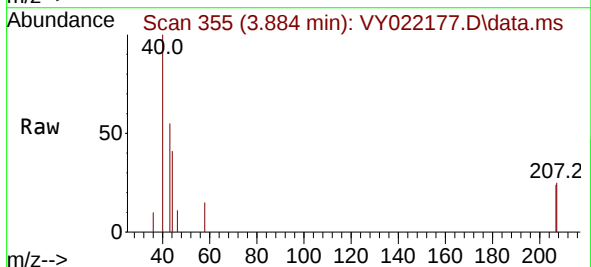
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

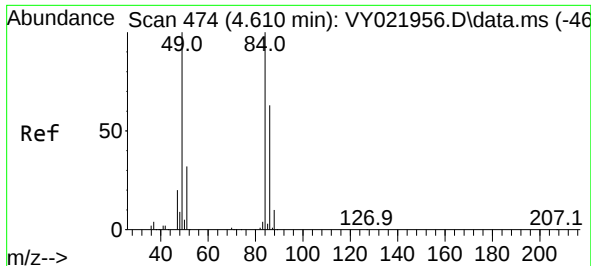
Tgt Ion:168 Resp: 211599
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.884 min Scan# 355
Delta R.T. 0.005 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 27.4 27.0 40.4

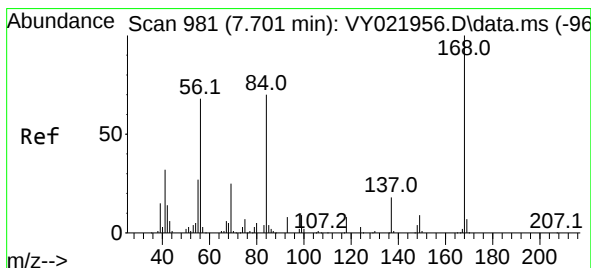
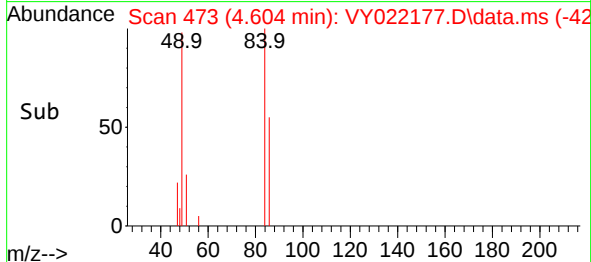
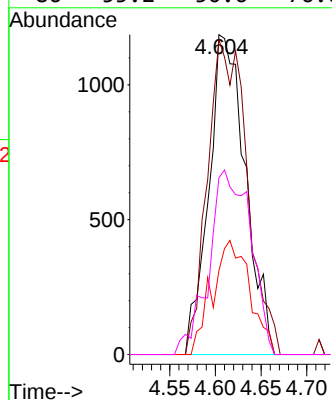
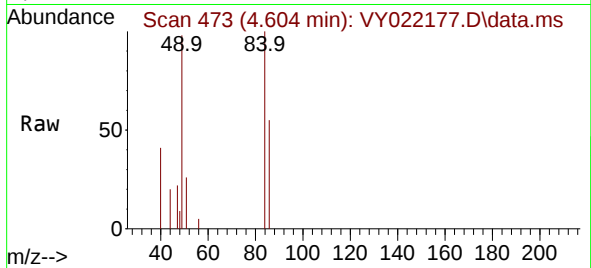




#20
Methylene Chloride
Concen: 1.338 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

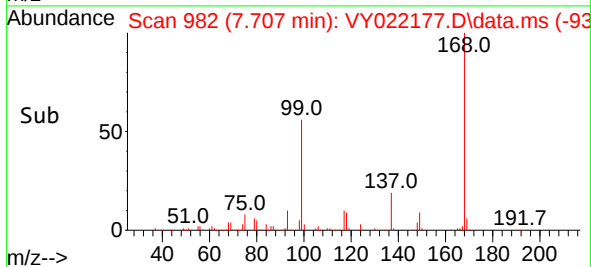
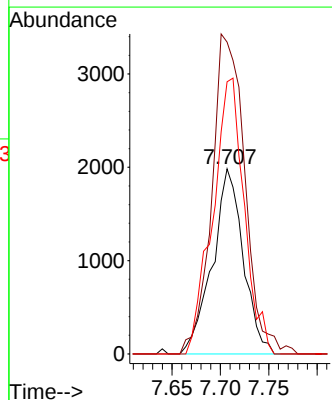
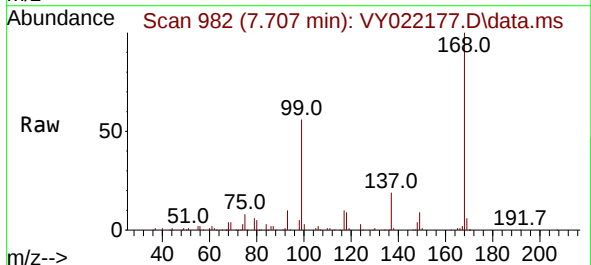
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

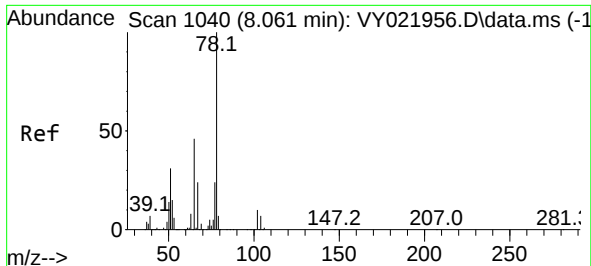
Tgt Ion:	84	Resp:	3307
Ion	Ratio	Lower	Upper
84	100		
49	98.4	79.9	119.9
51	26.2	25.4	38.0
86	55.2	50.6	76.0



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion:	56	Resp:	4397
Ion	Ratio	Lower	Upper
56	100		
69	168.5	29.4	44.2#
84	147.0	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 60.660 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

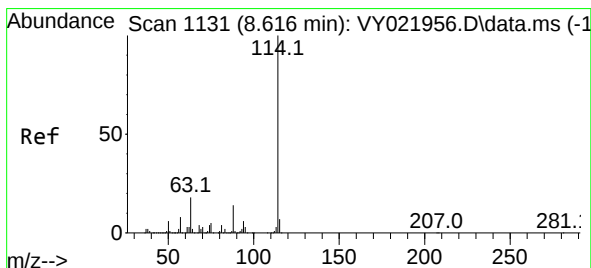
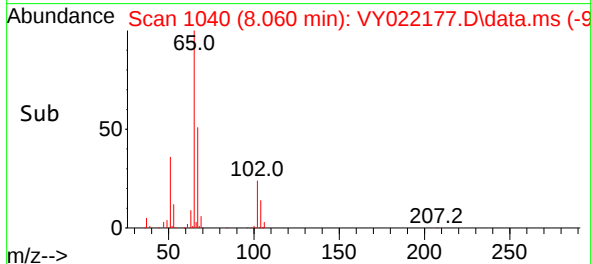
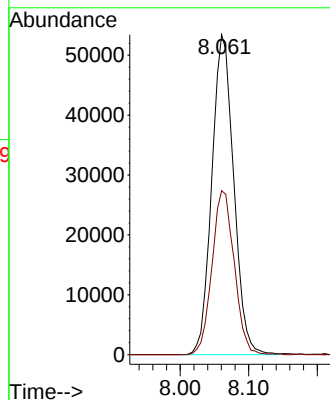
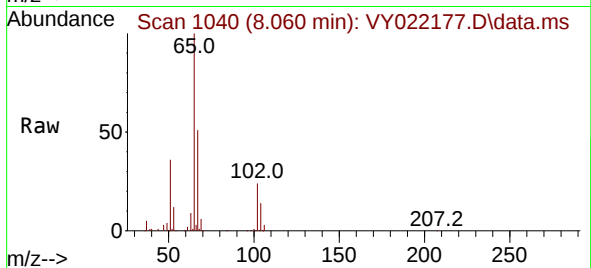
72-11933

Tgt Ion: 65 Resp: 118561

Ion Ratio Lower Upper

65 100

67 52.0 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: VY022177.D

Acq: 06 May 2025 12:40

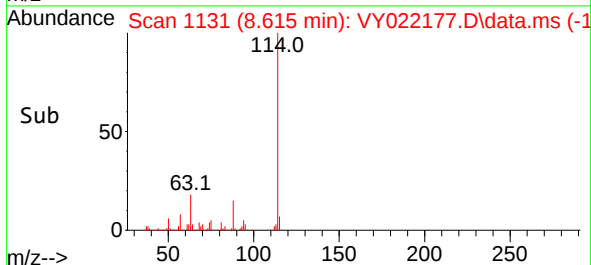
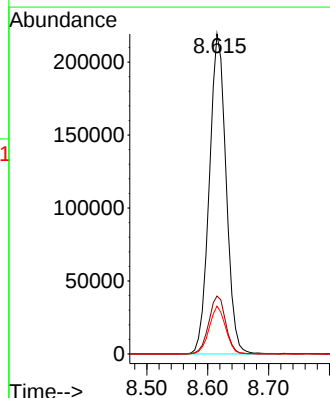
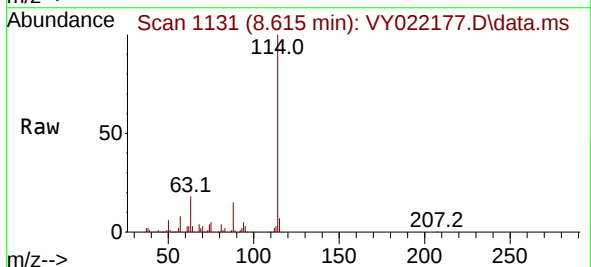
Tgt Ion:114 Resp: 419403

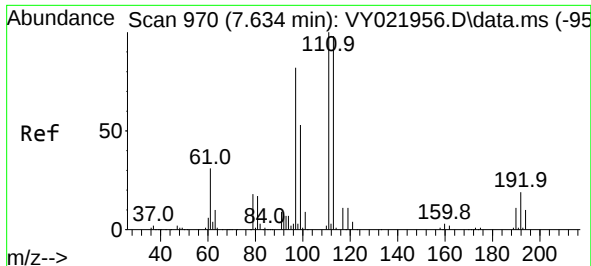
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 14.9 0.0 28.2

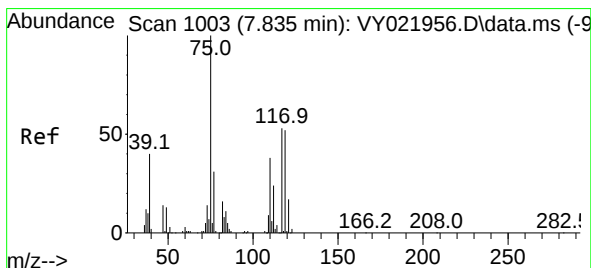
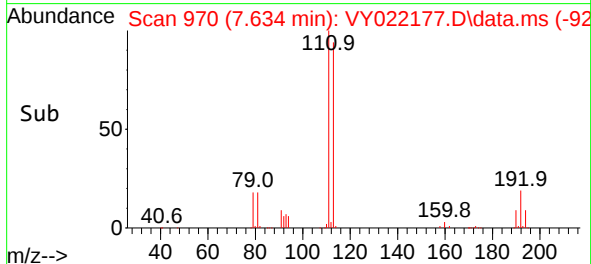
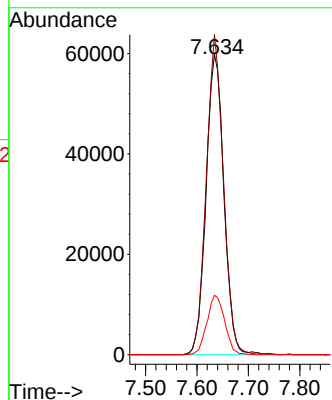
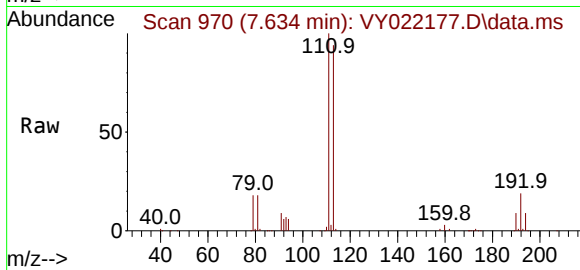




#35
Dibromofluoromethane
Concen: 51.969 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

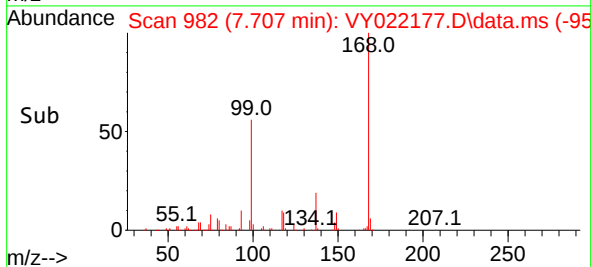
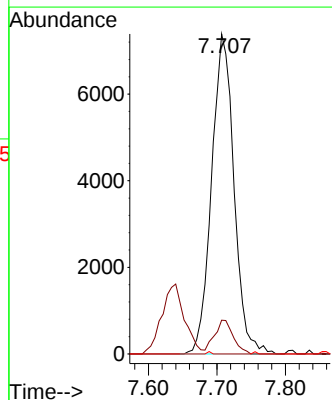
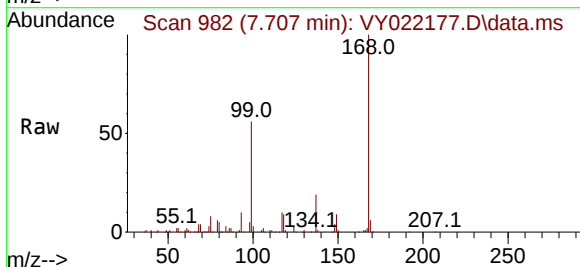
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

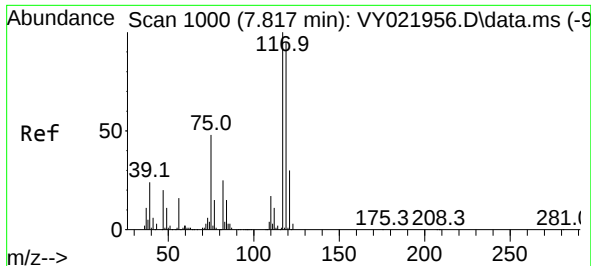
Tgt Ion:113 Resp: 143997
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 75 Resp: 16758
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.1 25.5 38.3#

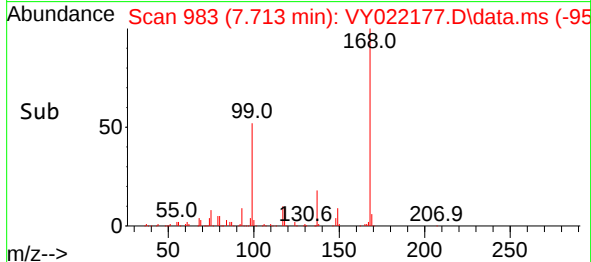
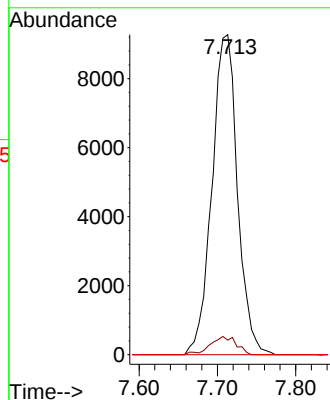
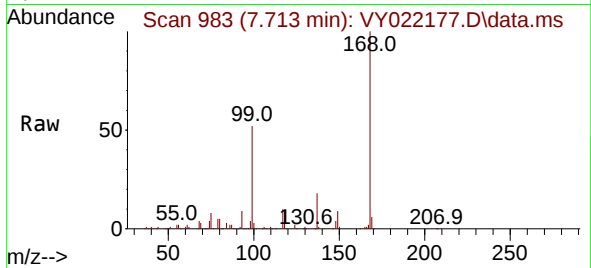




#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

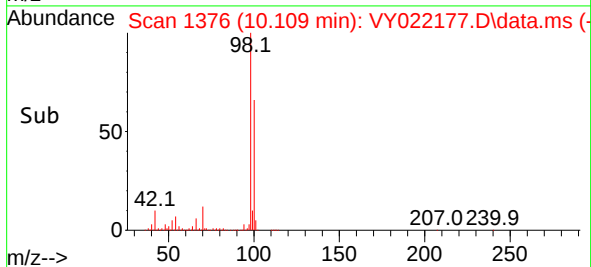
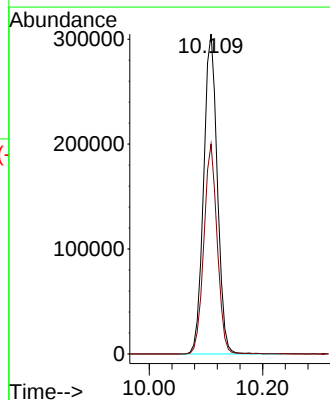
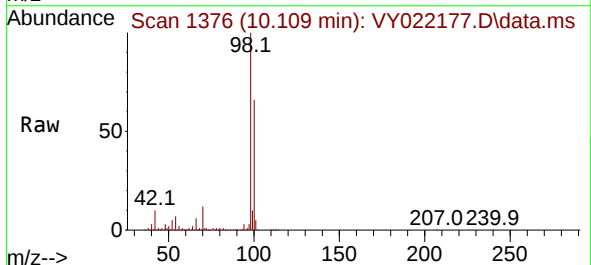
Instrument :
MSVOA_Y
ClientSampleId :
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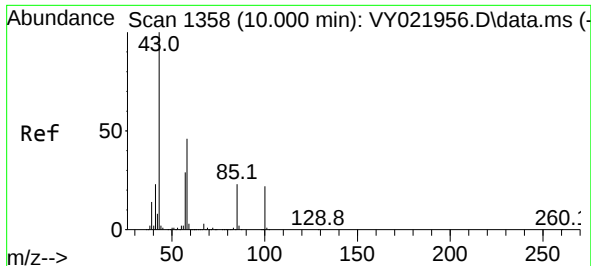
Tgt Ion:117 Resp: 20991
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.000 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 98 Resp: 511849
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

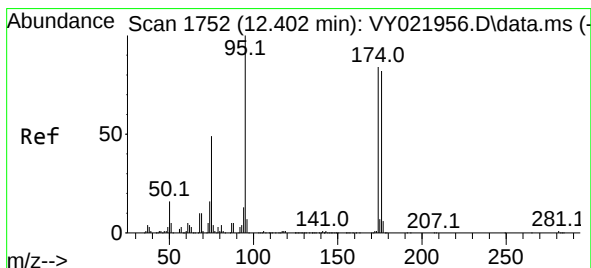
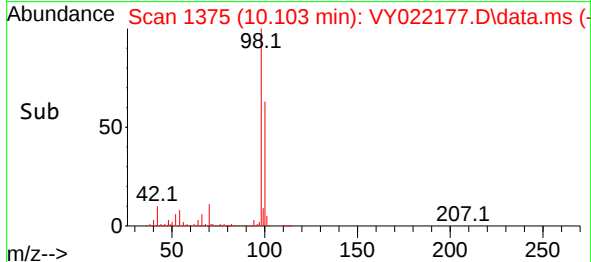
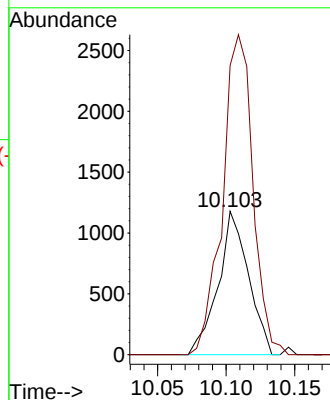
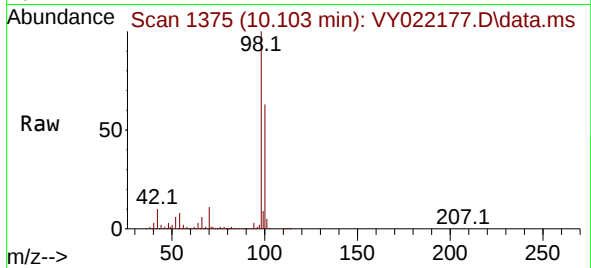




#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

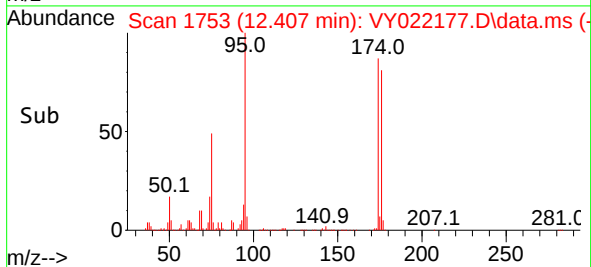
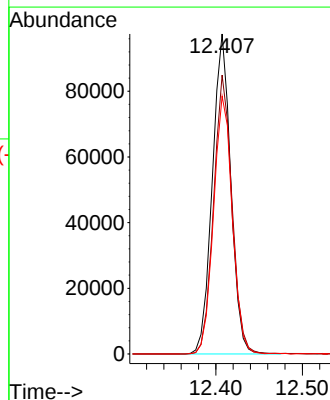
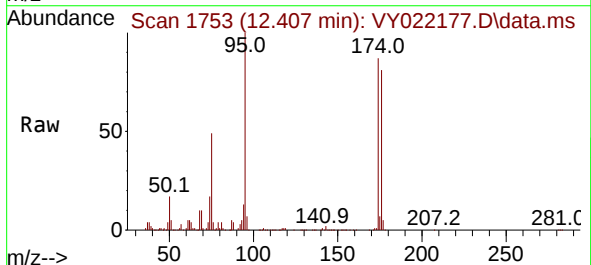
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ClientSampleId :
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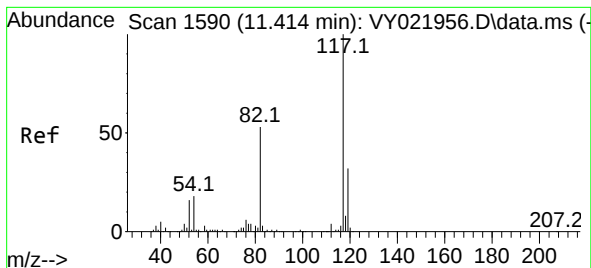
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 224.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.931 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022177.D
Acq: 06 May 2025 12:40

Tgt Ion: 95 Resp: 143933
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 82.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

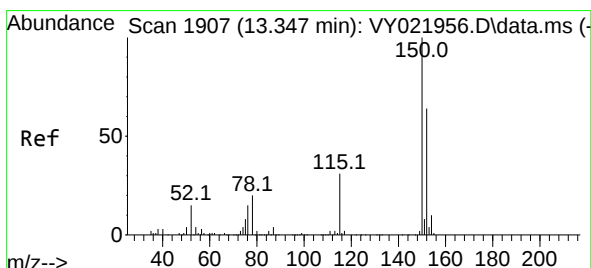
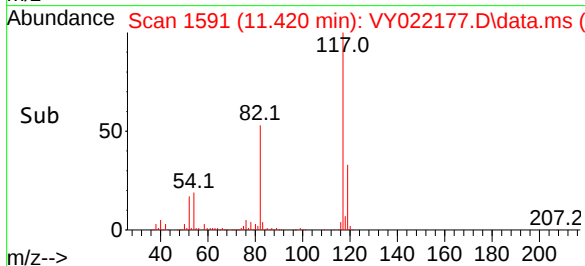
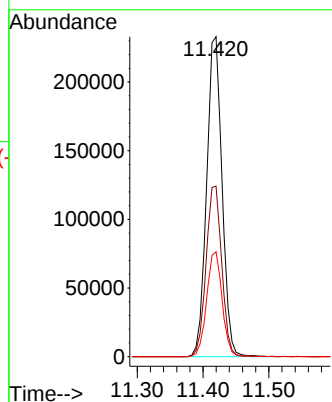
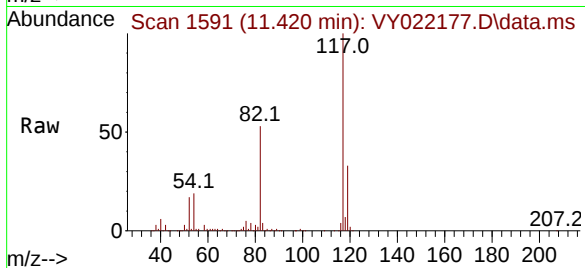
Tgt Ion:117 Resp: 380157

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

119 32.8 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: VY022177.D

Acq: 06 May 2025 12:40

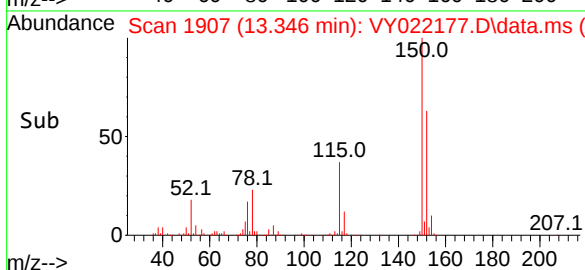
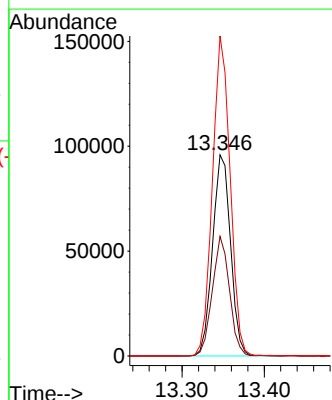
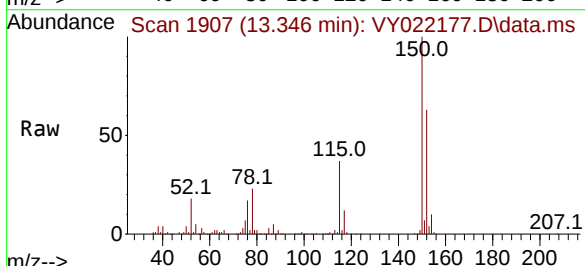
Tgt Ion:152 Resp: 145755

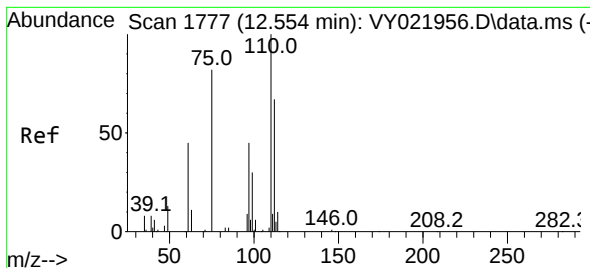
Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 156.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 57.898 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

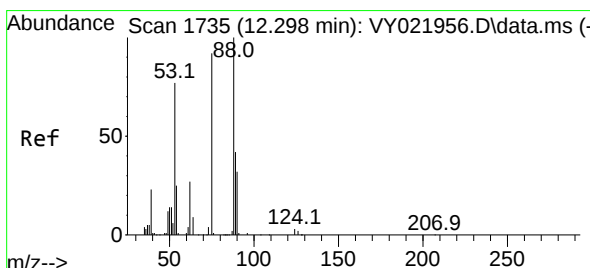
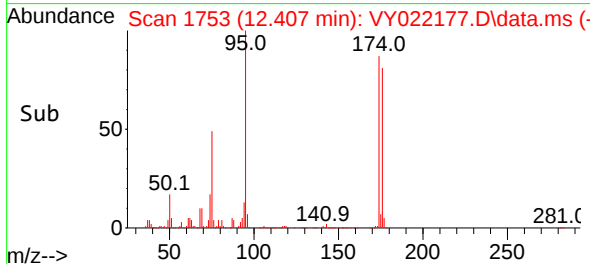
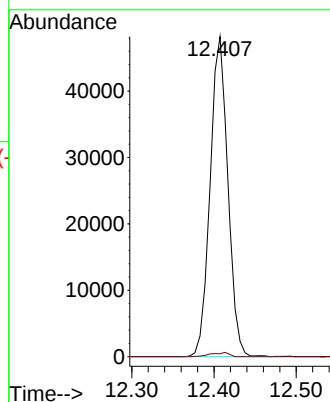
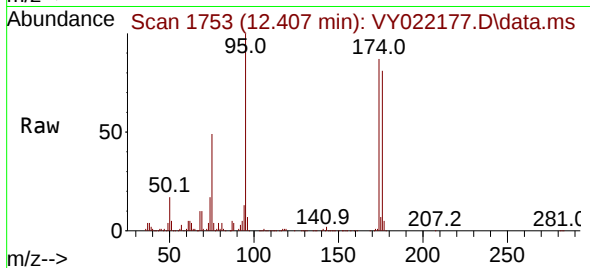
72-11933

Tgt Ion: 75 Resp: 72284

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.428 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.109 min

Lab File: VY022177.D

Acq: 06 May 2025 12:40

Tgt Ion: 75 Resp: 72284

Ion Ratio Lower Upper

75 100

53 0.3 66.0 99.0#

89 0.1 37.2 55.8#

