

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022178.D
 Acq On : 06 May 2025 13:03
 Operator : SY/MD
 Sample : Q1914-12
 Misc : 11.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-9

Quant Time: May 07 04:34:47 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)

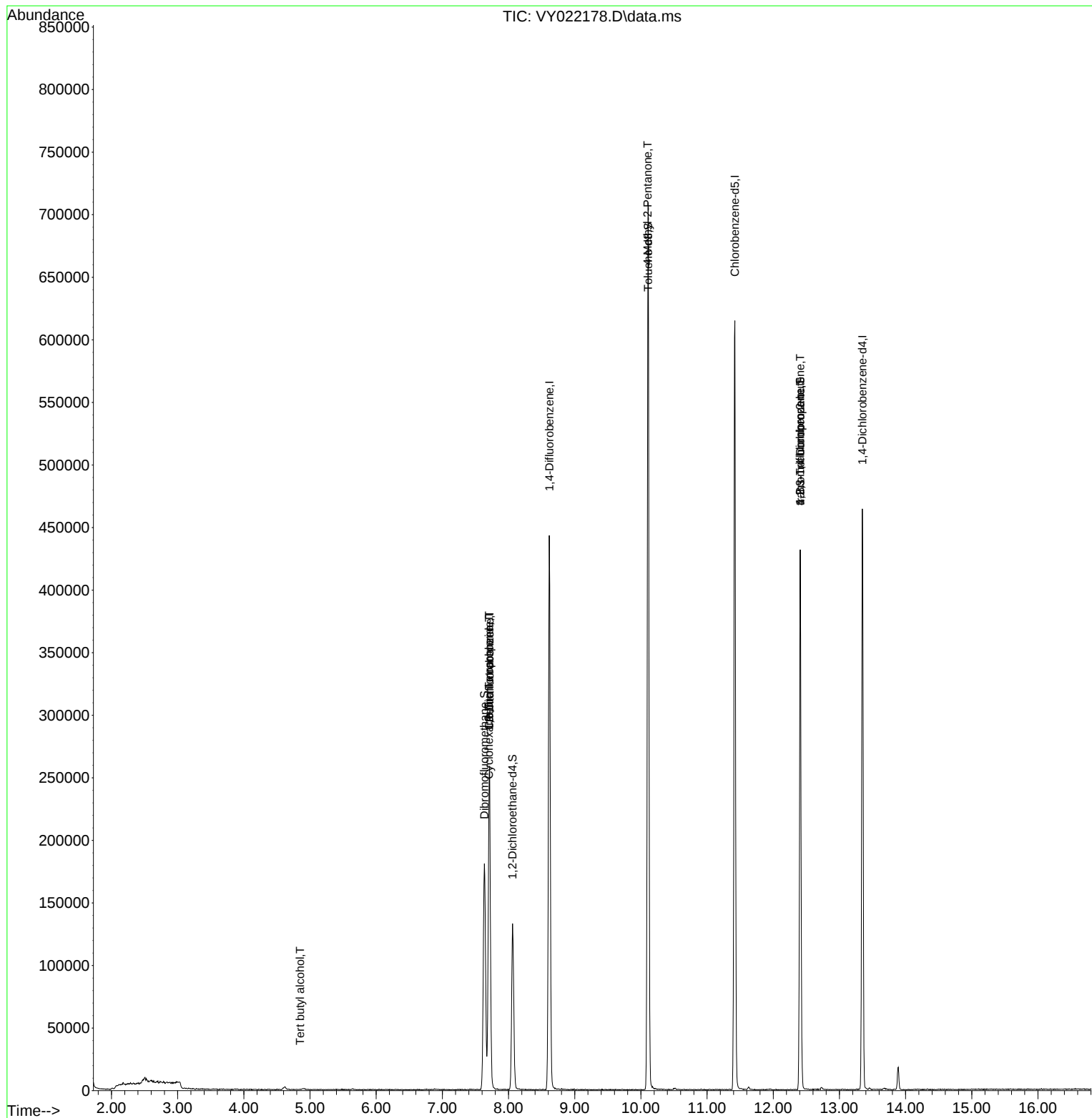
Internal Standards						
1) Pentafluorobenzene	7.713	168	197156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	383574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	339845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102619	56.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.700%			
35) Dibromofluoromethane	7.634	113	131757	51.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.109	98	470465	49.245	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.408	95	124718	38.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.560%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.848	59	186	1.860	ug/l #	70
16) Acetone	3.879	43	763	Below Cal	#	41
31) Cyclohexane	7.701	56	3846	1.278	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	14991	4.404	ug/l #	46
38) Carbon Tetrachloride	7.707	117	20036	4.926	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	1865	1.515	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	61639	59.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	61639	143.599	ug/l #	16

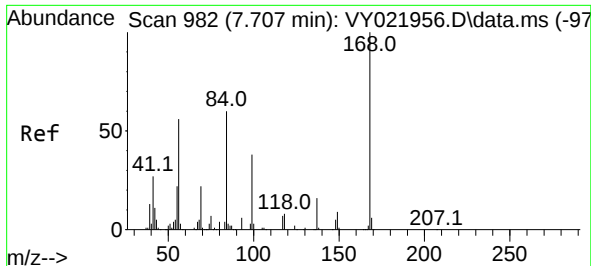
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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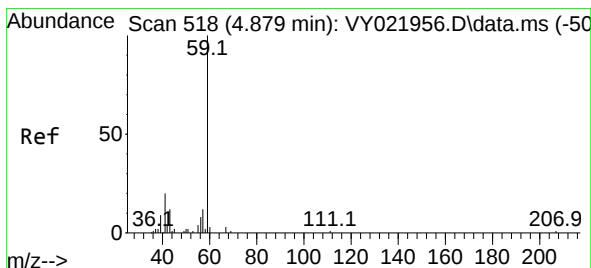
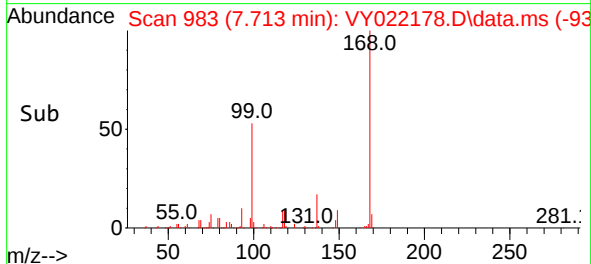
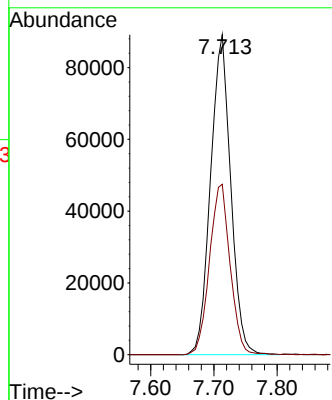
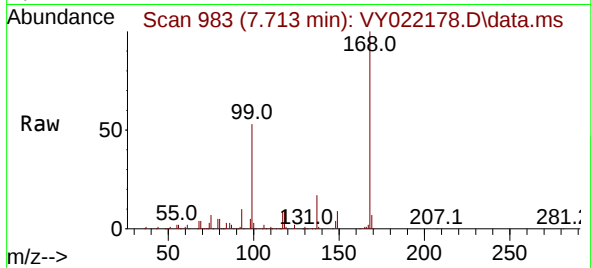




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

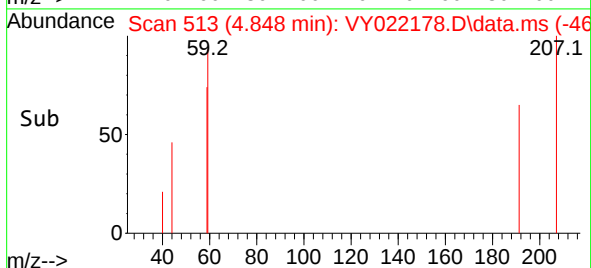
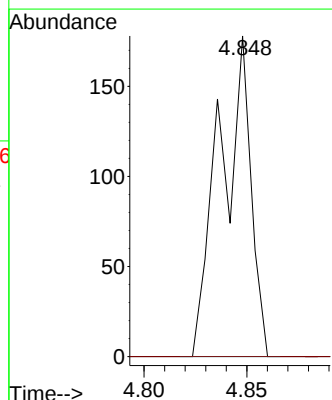
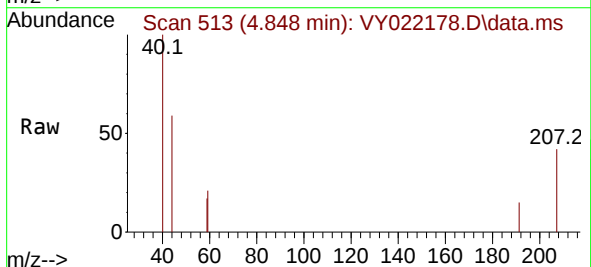
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MSVOA_Y
ClientSampleId :
SS-9

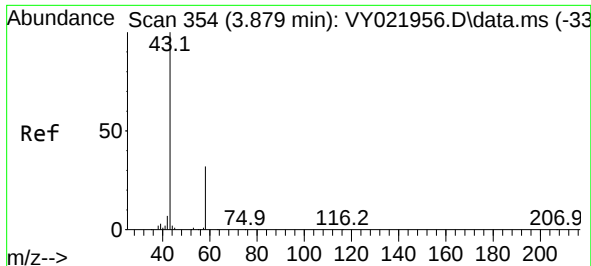
Tgt Ion:168 Resp: 197156
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.860 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.031 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

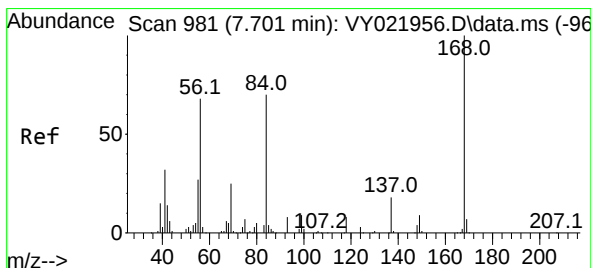
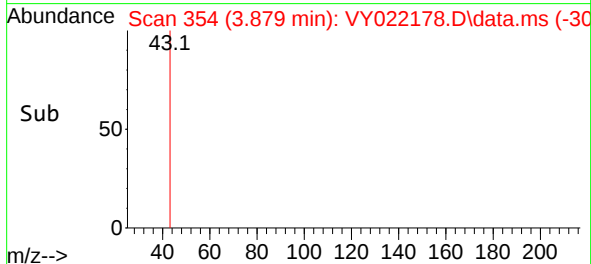
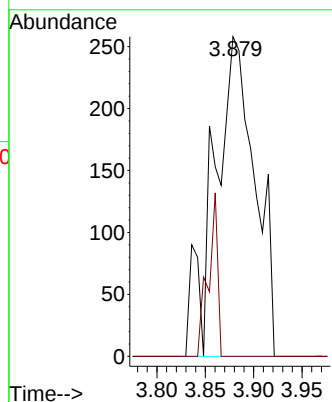
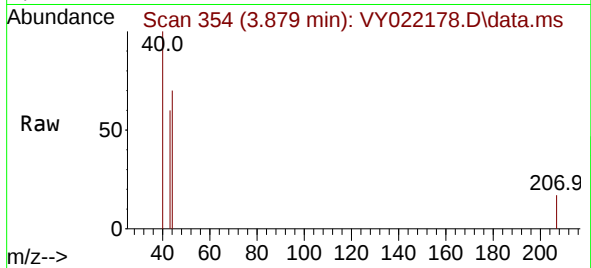




#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

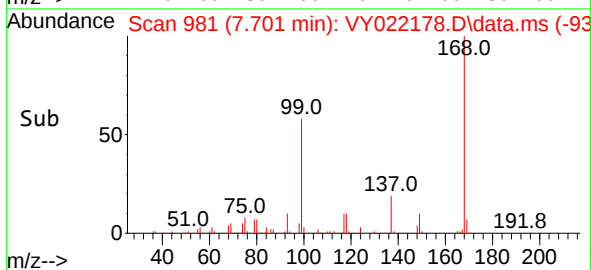
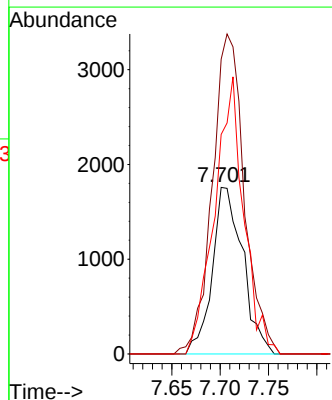
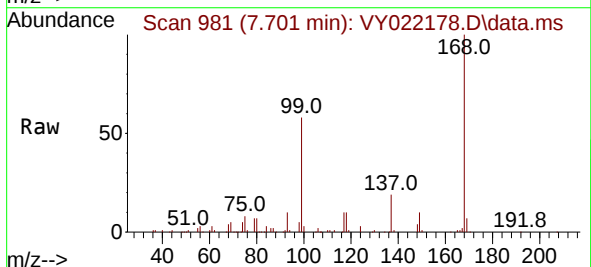
Instrument :
MSVOA_Y
ClientSampleId :
SS-9

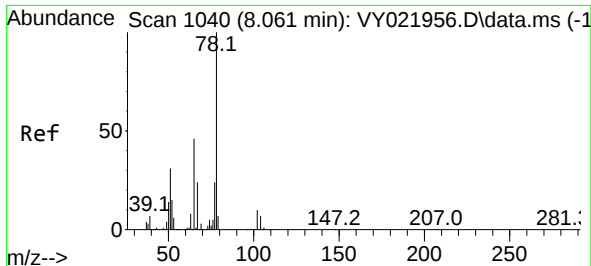
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Tgt Ion: 56 Resp: 3846
Ion Ratio Lower Upper
56 100
69 177.0 29.4 44.2#
84 131.8 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 56.350 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022178.D

Acq: 06 May 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

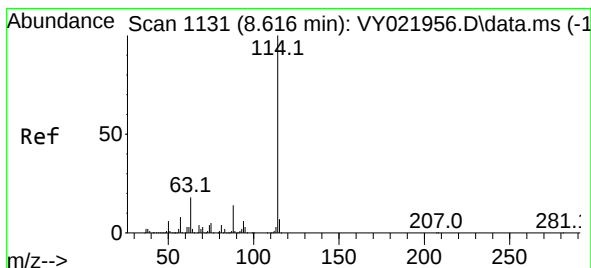
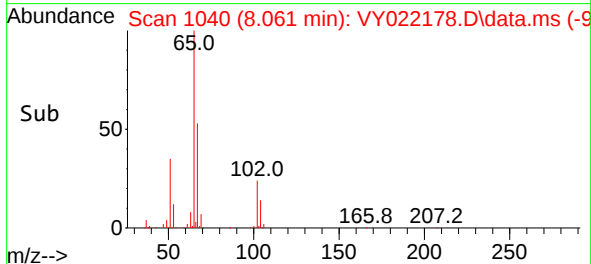
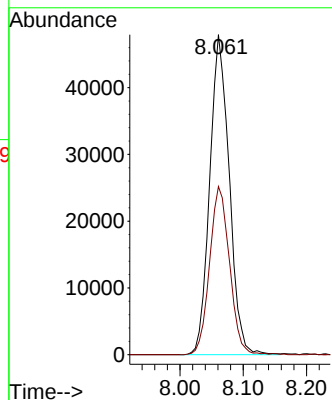
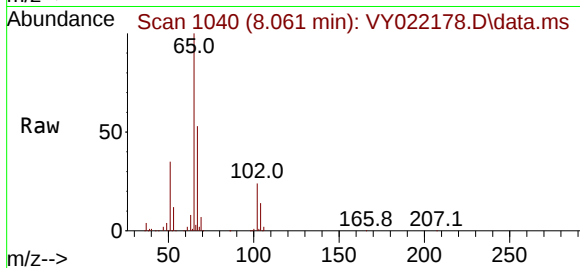
SS-9

Tgt Ion: 65 Resp: 102619

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022178.D

Acq: 06 May 2025 13:03

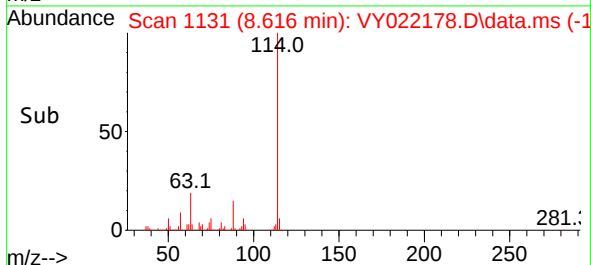
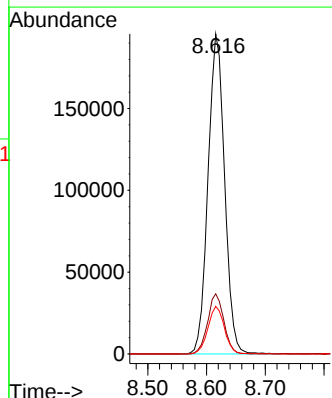
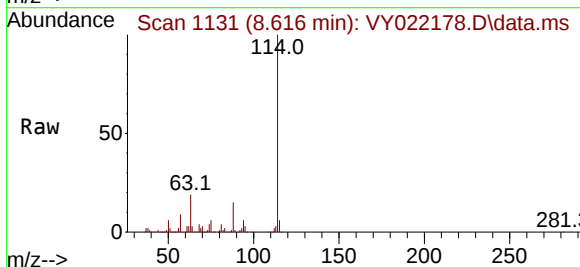
Tgt Ion: 114 Resp: 383574

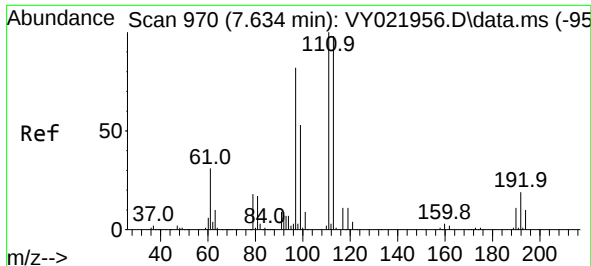
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.4

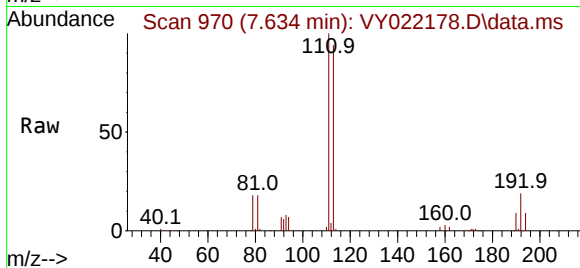
88 14.9 0.0 28.2



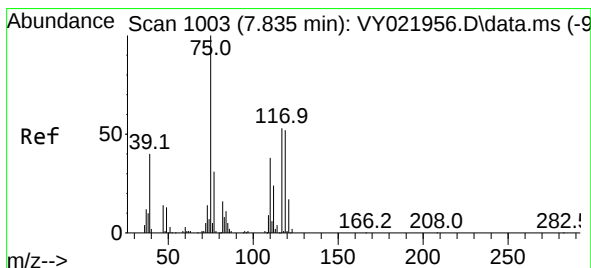
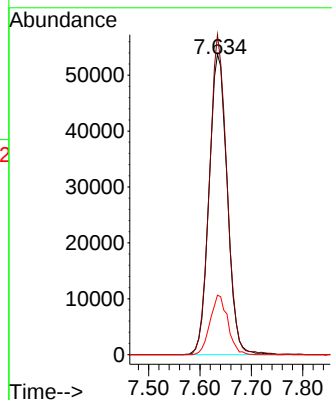
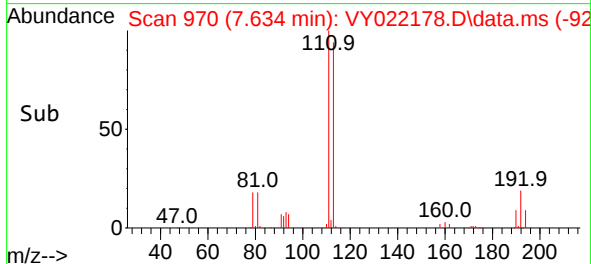


#35
Dibromofluoromethane
Concen: 51.994 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

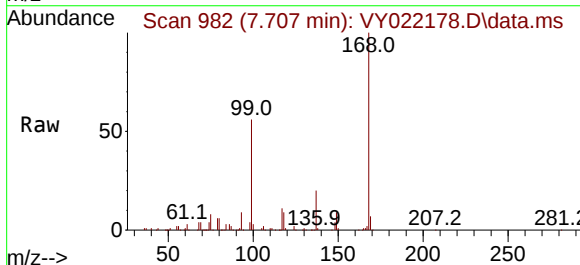
Instrument :
MSVOA_Y
ClientSampleId :
SS-9



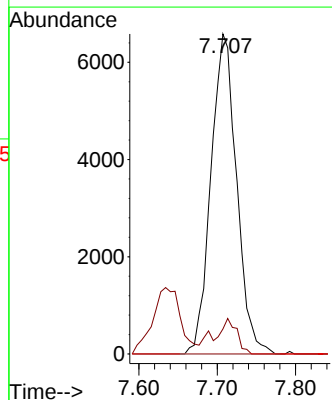
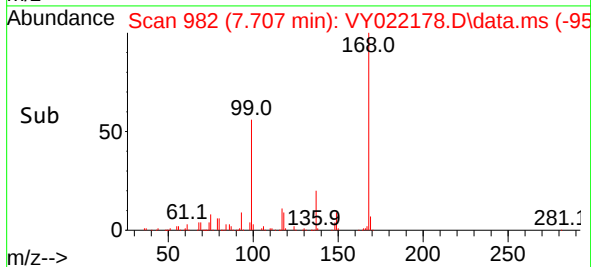
Tgt Ion:113 Resp: 131757
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 19.3 15.6 23.4

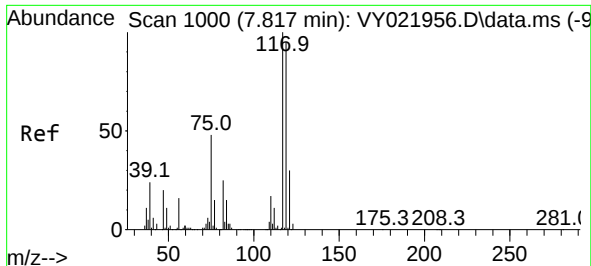


#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03



Tgt Ion: 75 Resp: 14991
Ion Ratio Lower Upper
75 100
110 7.0 19.1 57.3#
77 0.0 25.5 38.3#

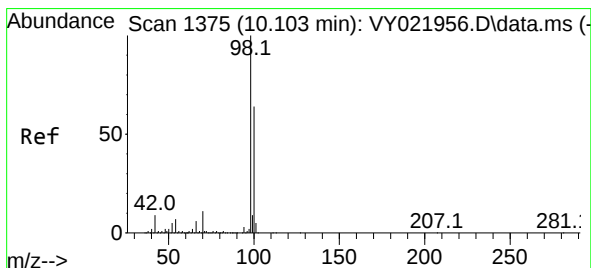
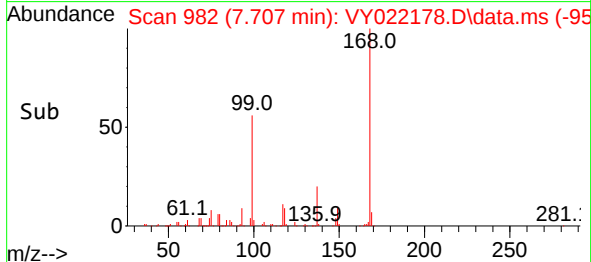
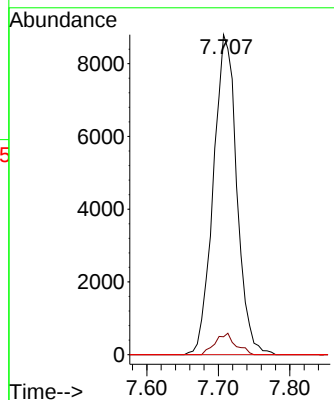
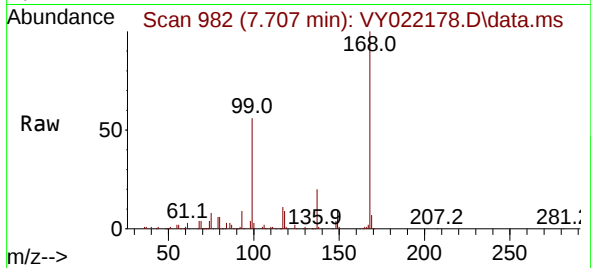




#38
Carbon Tetrachloride
Concen: 4.926 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

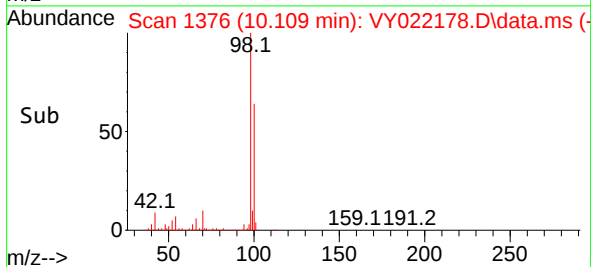
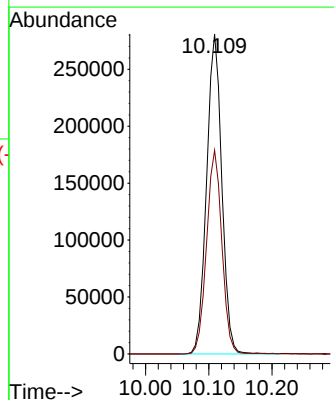
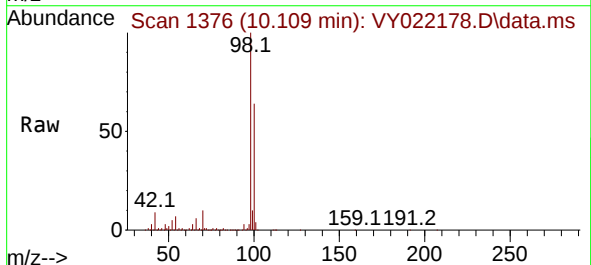
Instrument :
MSVOA_Y
ClientSampleId :
SS-9

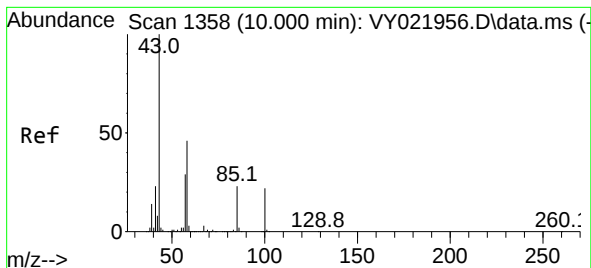
Tgt Ion:117 Resp: 20036
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.245 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Tgt Ion: 98 Resp: 470465
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

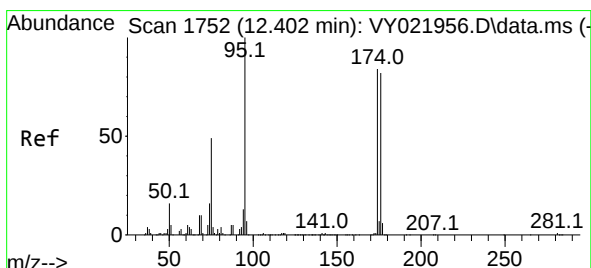
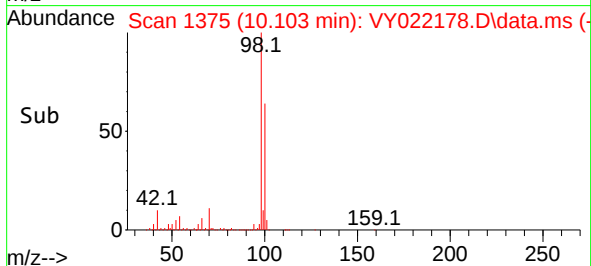
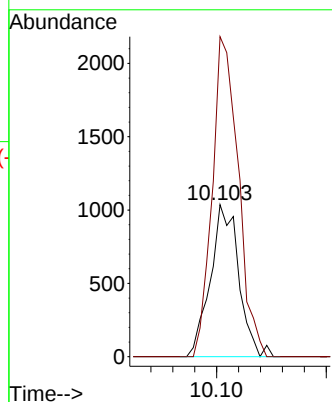
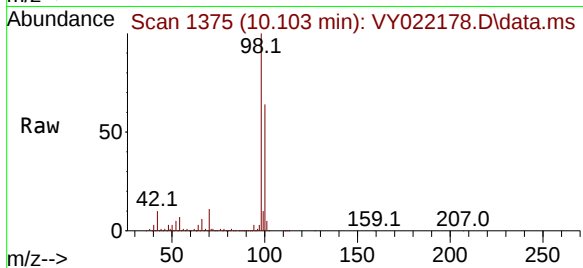




#51
4-Methyl-2-Pentanone
Concen: 1.515 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

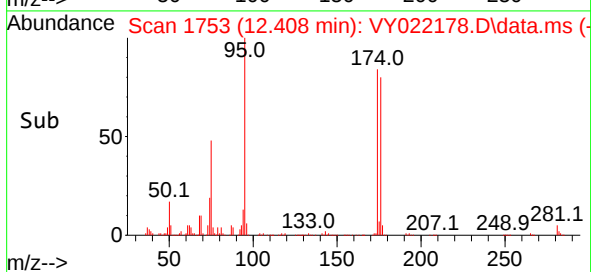
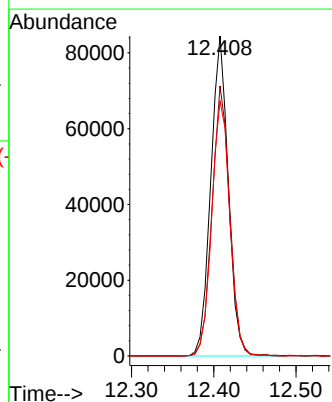
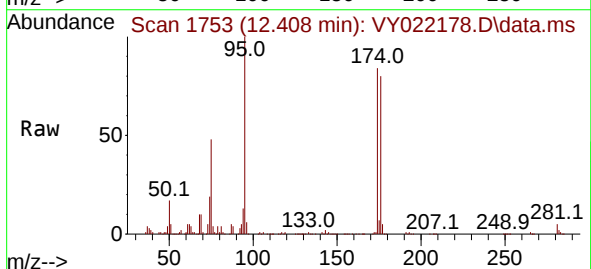
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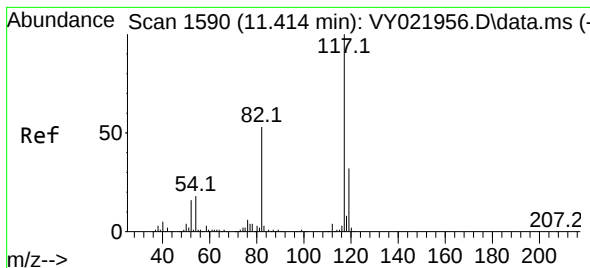
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
58 193.5 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.779 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Tgt Ion: 95 Resp: 124718
Ion Ratio Lower Upper
95 100
174 85.8 0.0 179.0
176 82.9 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: VY022178.D

Acq: 06 May 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SS-9

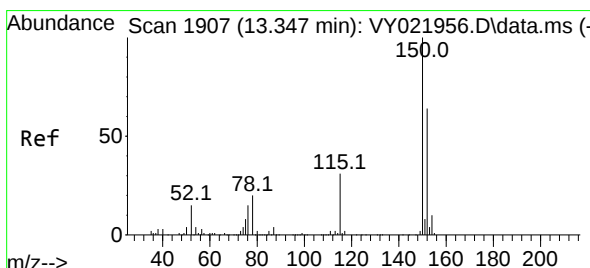
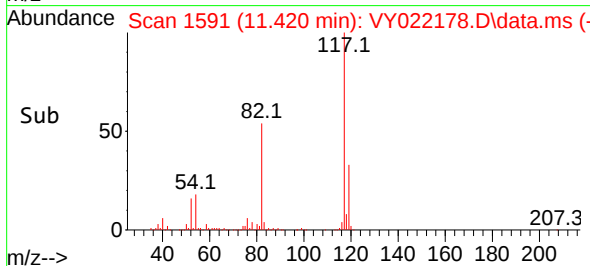
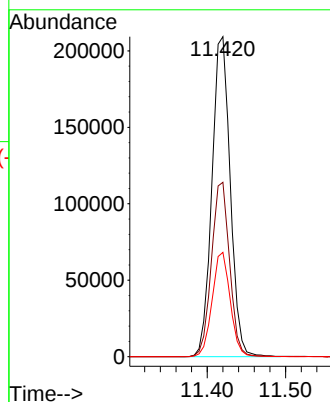
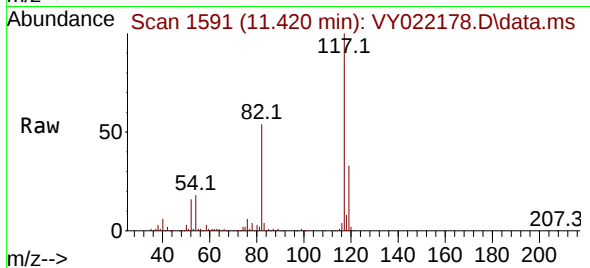
Tgt Ion:117 Resp: 339845

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.6 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: VY022178.D

Acq: 06 May 2025 13:03

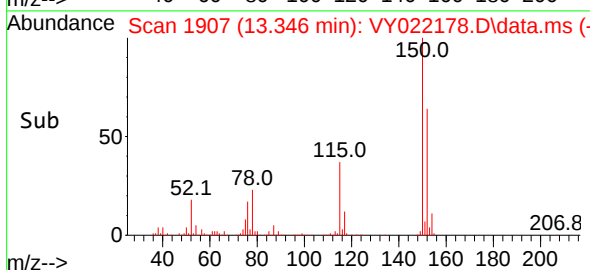
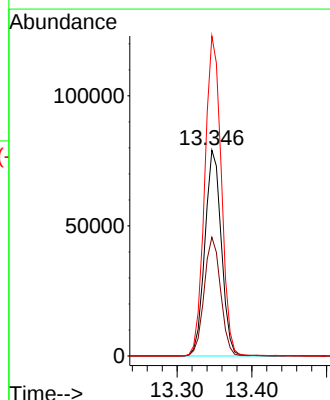
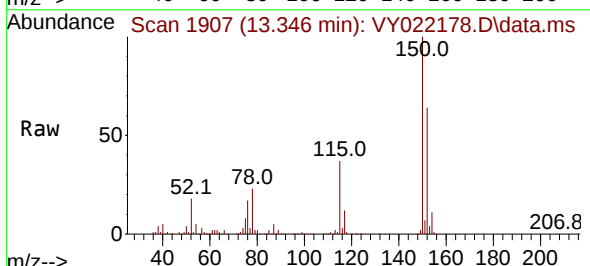
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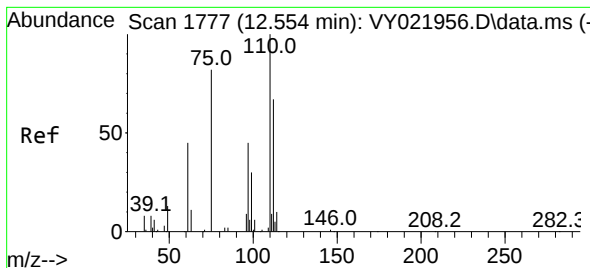
Ion Ratio Lower Upper

152 100

115 57.6 28.0 84.0

150 156.2 0.0 345.6

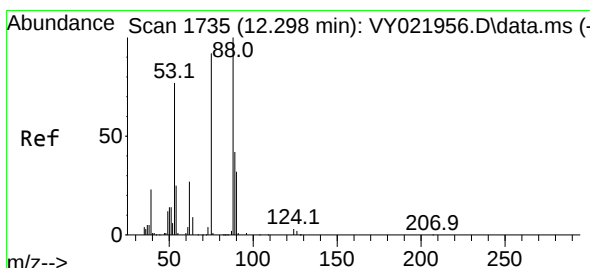
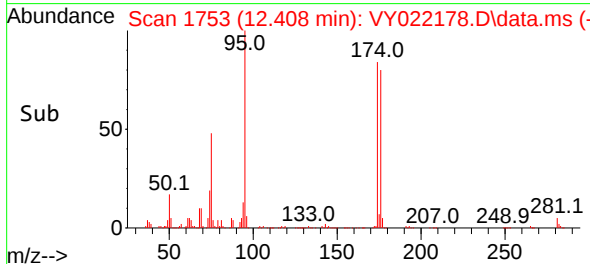
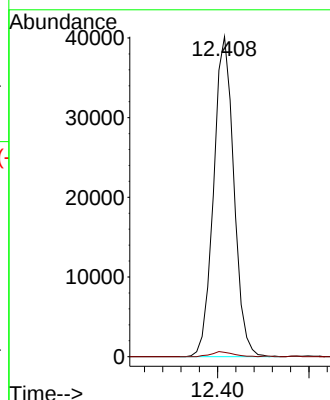
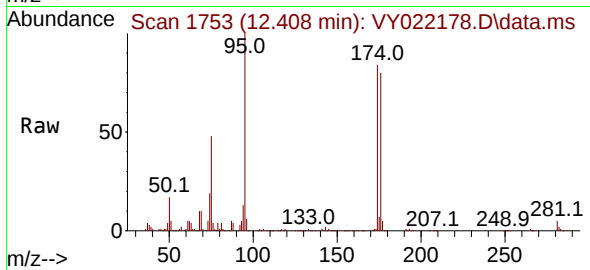




#76
1,2,3-Trichloropropane
Concen: 59.630 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-9

Tgt Ion: 75 Resp: 61639
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.599 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022178.D
Acq: 06 May 2025 13:03

Tgt Ion: 75 Resp: 61639
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.1 37.2 55.8#

