

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022292.D
 Acq On : 16 May 2025 15:38
 Operator : SY/MD
 Sample : Q2010-04
 Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17

Quant Time: May 17 01:34:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

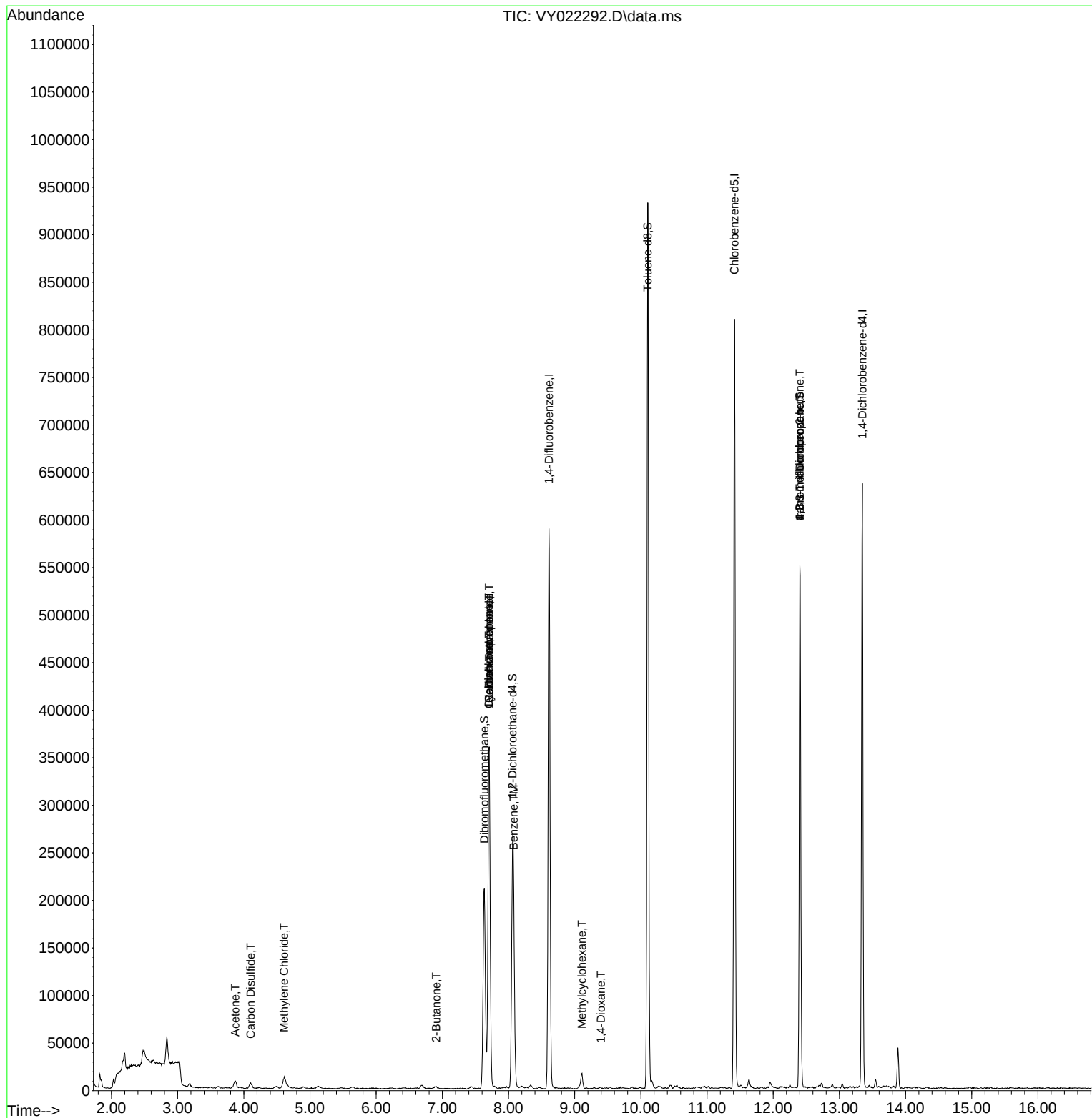
Internal Standards						
1) Pentafluorobenzene	7.707	168	268322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150003	51.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.634	113	147207	50.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.103	98	579549	48.974	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.401	95	152887	40.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.520%			
Target Compounds					Qvalue	
16) Acetone	3.873	43	14163	25.757	ug/l	96
17) Carbon Disulfide	4.104	76	10162	1.086	ug/l	99
20) Methylene Chloride	4.610	84	6581	1.852	ug/l #	95
25) 2-Butanone	6.909	43	2818	3.064	ug/l	96
31) Cyclohexane	7.701	56	11902	2.006	ug/l #	57
36) 1,1-Dichloropropene	7.701	75	23317	4.899	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28028	5.689	ug/l #	17
39) Methylcyclohexane	9.109	83	6416	1.003	ug/l	98
40) Benzene	8.079	78	117629	8.337	ug/l	95
49) 1,4-Dioxane	9.396	88	25	1.206	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	88970	60.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	88970	122.514	ug/l #	12

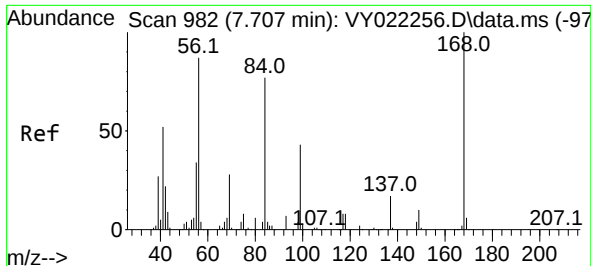
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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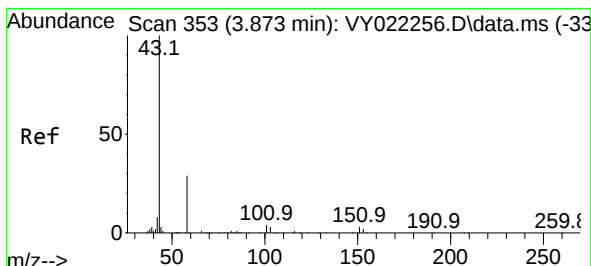
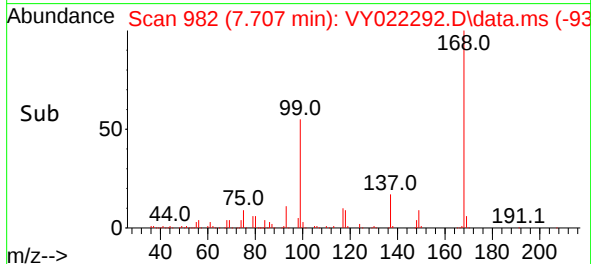
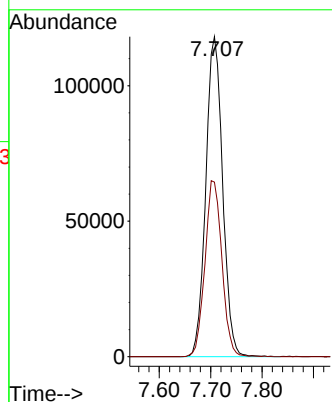
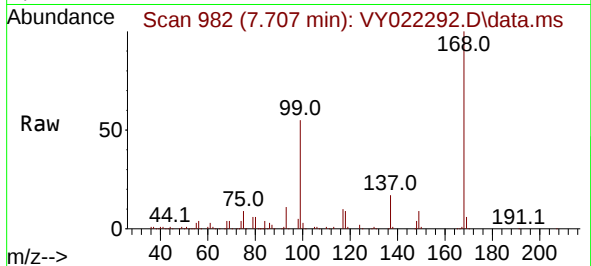




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

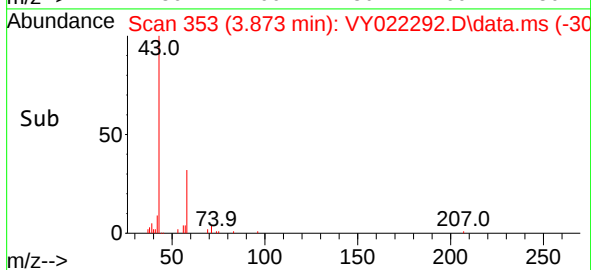
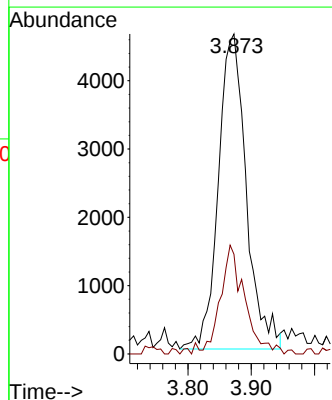
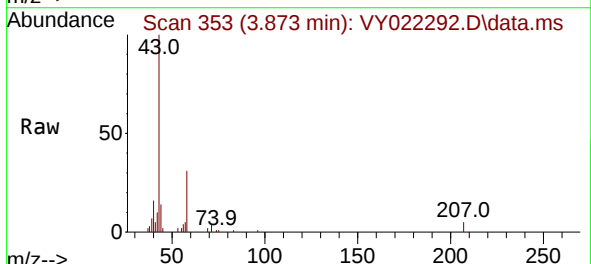
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

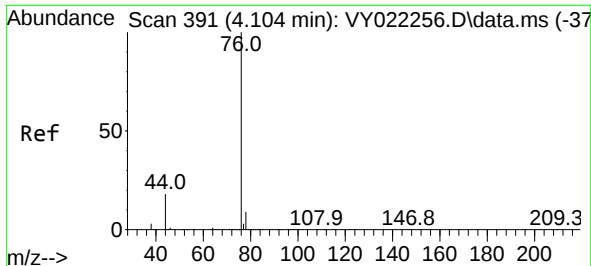
Tgt Ion:168 Resp: 268322
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#16
Acetone
Concen: 25.757 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 43 Resp: 14163
Ion Ratio Lower Upper
43 100
58 31.6 23.6 35.4

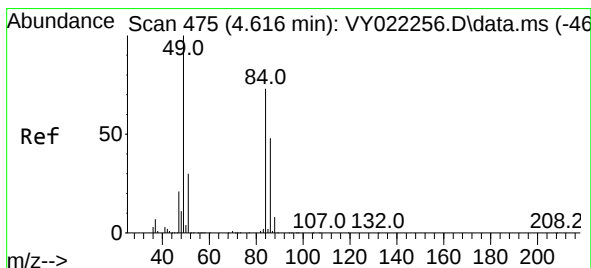
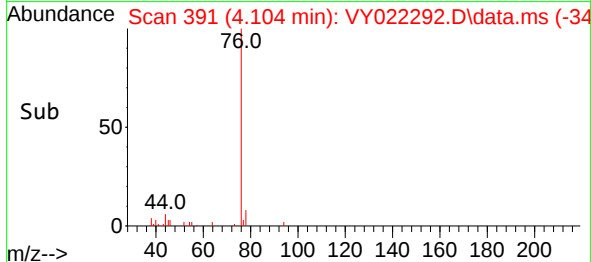
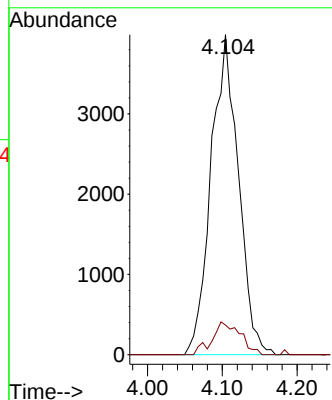
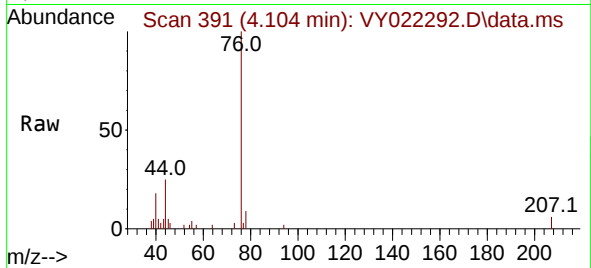




#17
Carbon Disulfide
Concen: 1.086 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

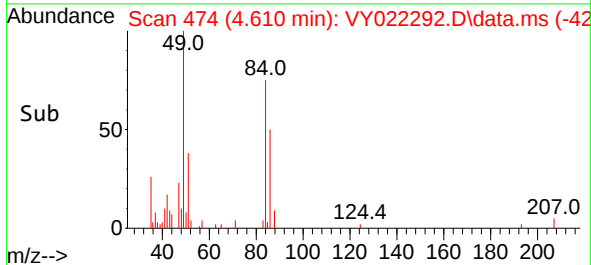
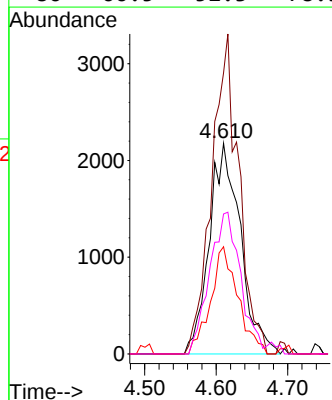
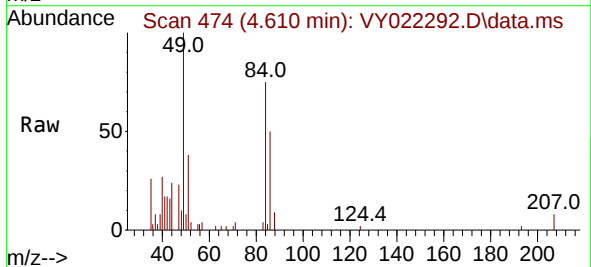
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

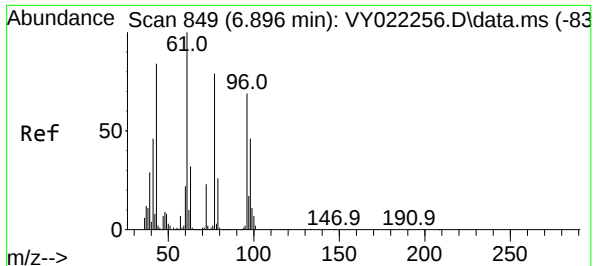
Tgt Ion: 76 Resp: 10162
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#20
Methylene Chloride
Concen: 1.852 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 84 Resp: 6581
Ion Ratio Lower Upper
84 100
49 133.4 109.6 164.4
51 50.9 32.4 48.6#
86 66.5 52.3 78.5





#25

2-Butanone

Concen: 3.064 ug/l

RT: 6.909 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

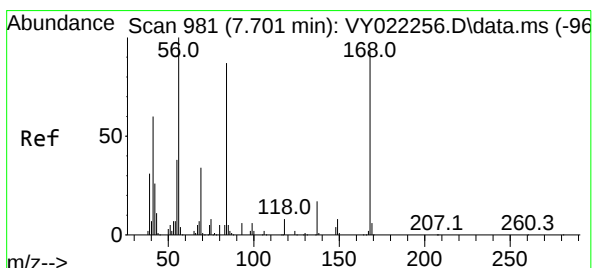
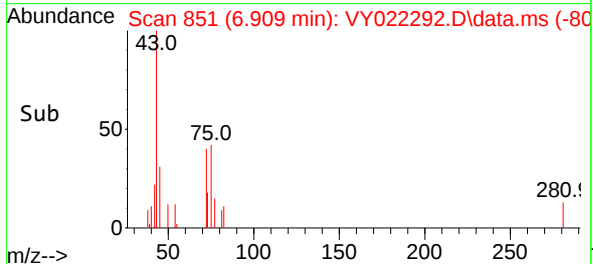
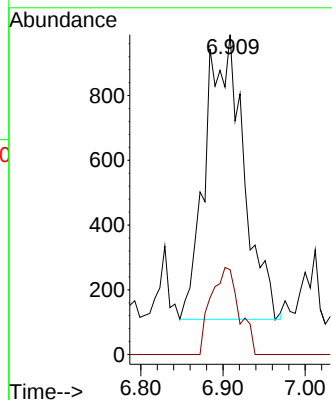
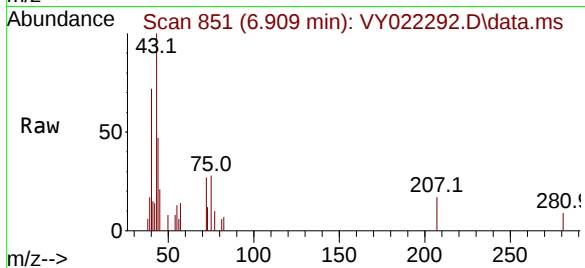
TP-17

Tgt Ion: 43 Resp: 2818

Ion Ratio Lower Upper

43 100

72 29.8 22.1 33.1



#31

Cyclohexane

Concen: 2.006 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

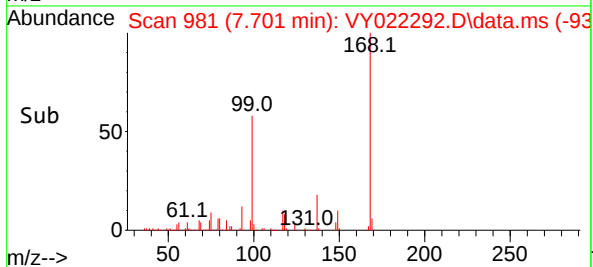
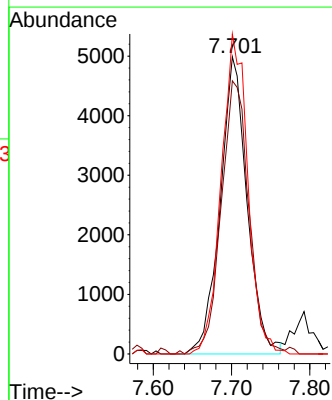
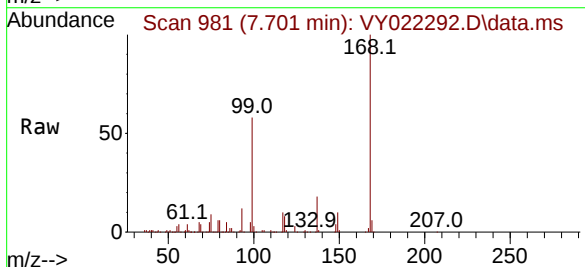
Tgt Ion: 56 Resp: 11902

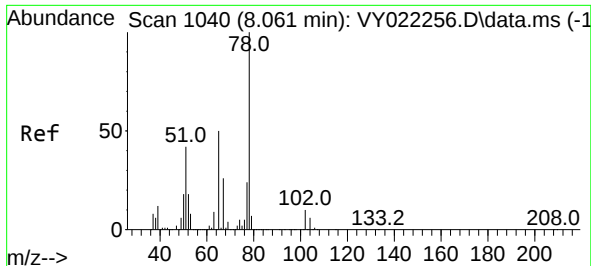
Ion Ratio Lower Upper

56 100

69 90.9 27.4 41.2#

84 107.7 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.152 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

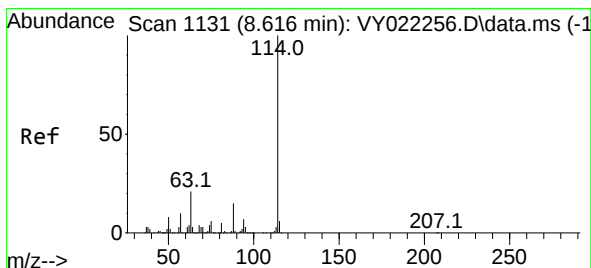
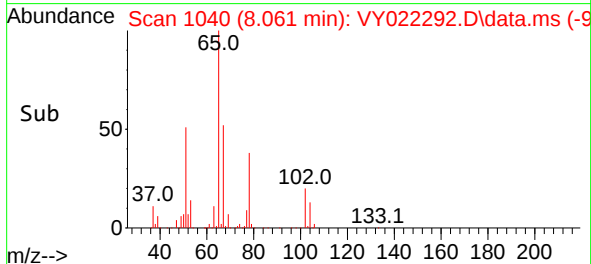
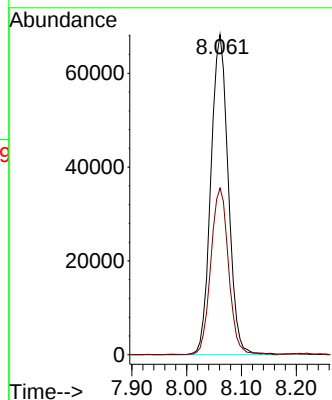
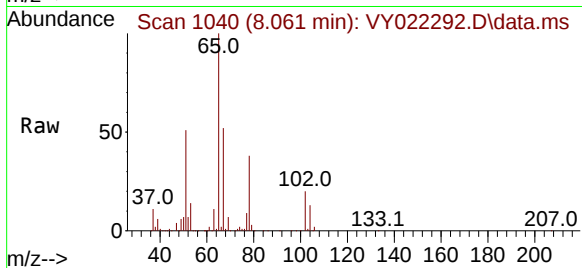
TP-17

Tgt Ion: 65 Resp: 150003

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

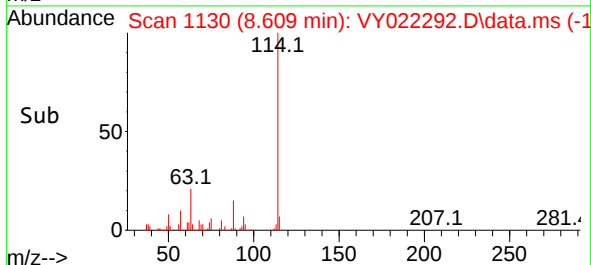
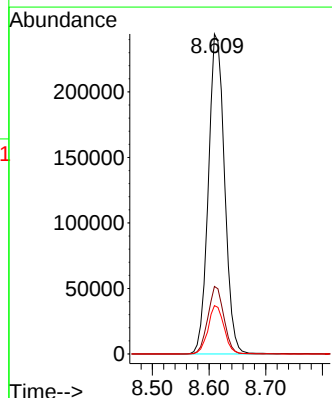
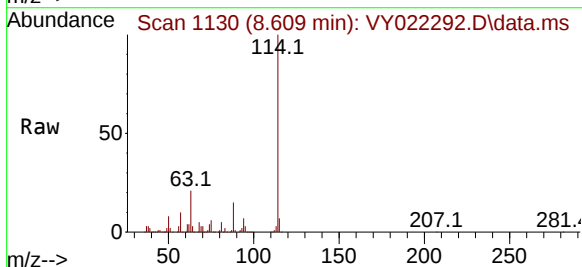
Tgt Ion: 114 Resp: 484104

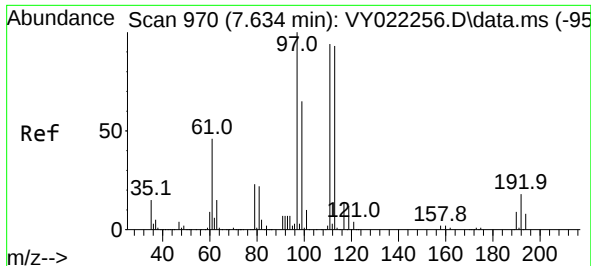
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 15.1 0.0 29.4

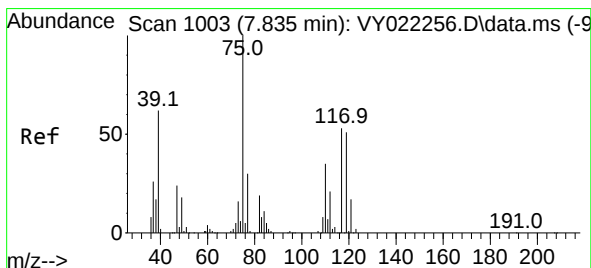
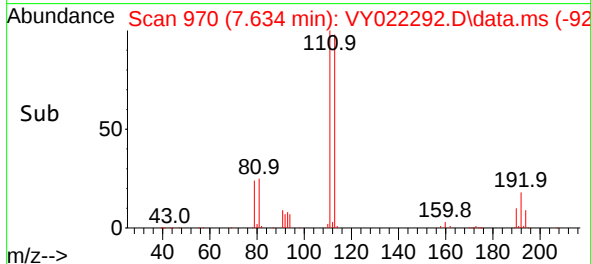
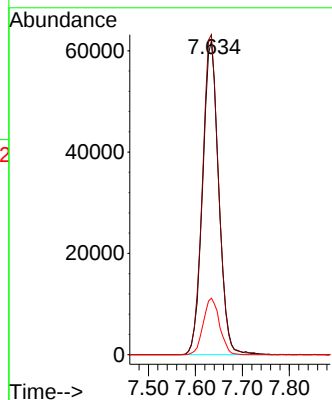
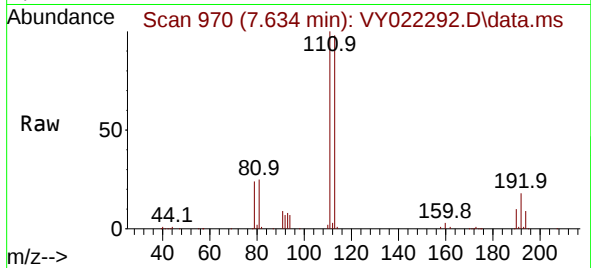




#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

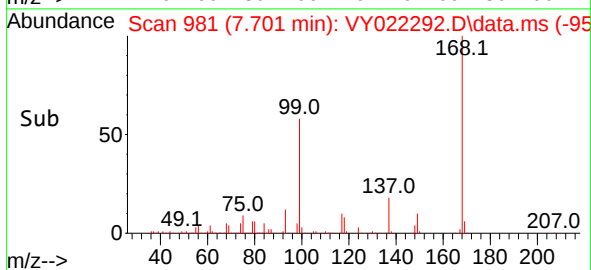
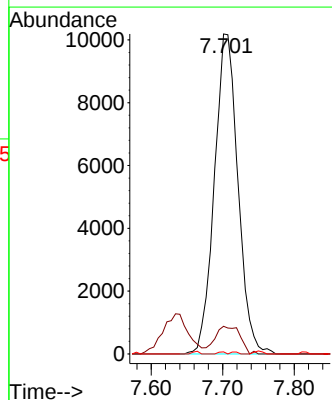
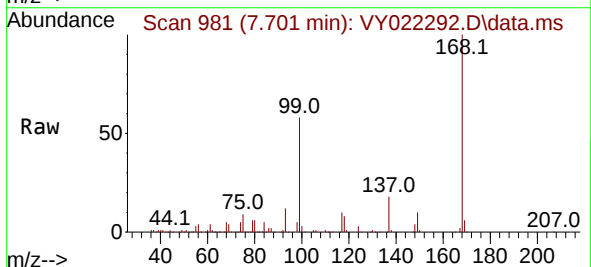
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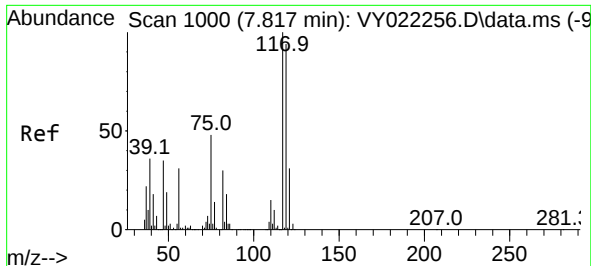
Tgt Ion:113 Resp: 147207
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 18.2 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.899 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 75 Resp: 23317
Ion Ratio Lower Upper
75 100
110 9.4 16.6 49.8#
77 0.0 24.6 37.0#

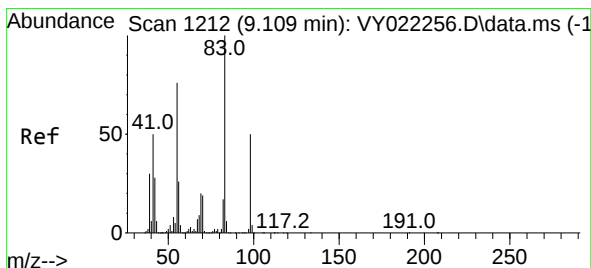
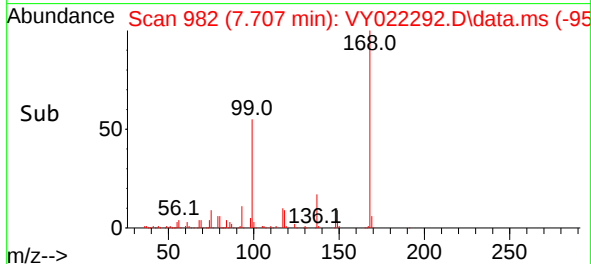
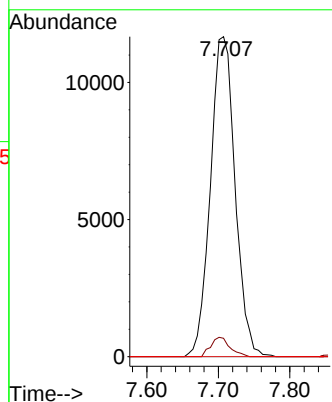
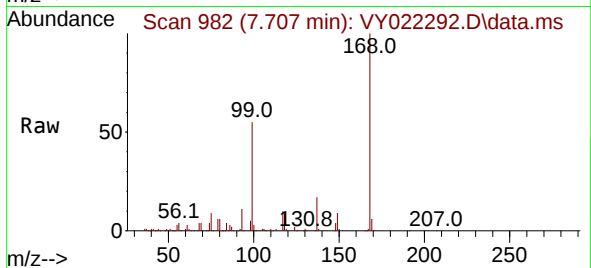




#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

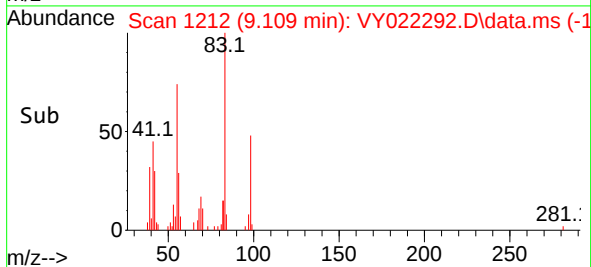
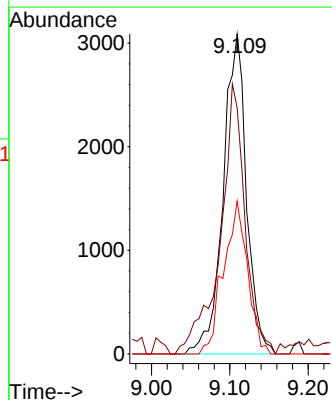
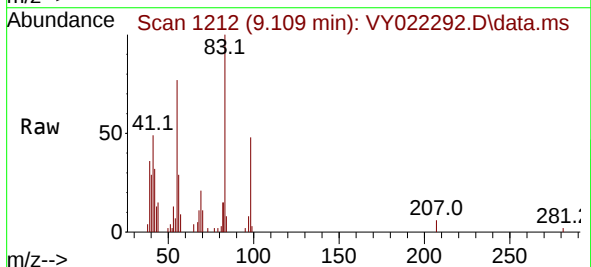
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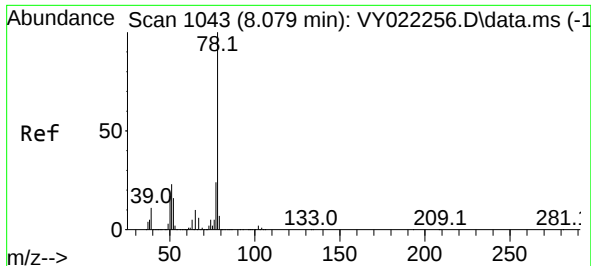
Tgt Ion:117 Resp: 28028
Ion Ratio Lower Upper
117 100
119 5.8 75.3 112.9#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.003 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 83 Resp: 6416
Ion Ratio Lower Upper
83 100
55 74.5 60.6 90.8
98 47.7 40.0 60.0





#40

Benzene

Concen: 8.337 ug/l

RT: 8.079 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

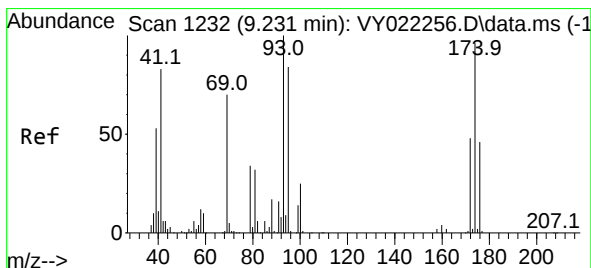
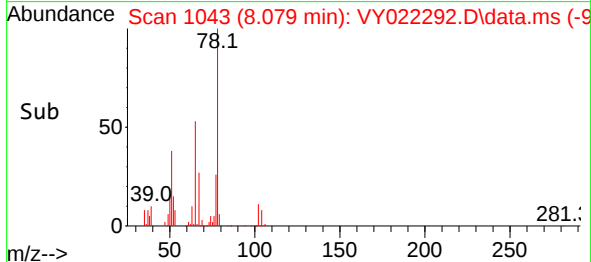
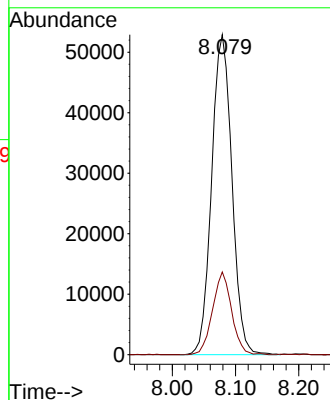
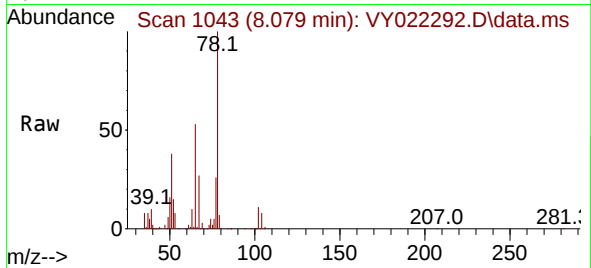
TP-17

Tgt Ion: 78 Resp: 117629

Ion Ratio Lower Upper

78 100

77 25.9 18.9 28.3



#49

1,4-Dioxane

Concen: 1.206 ug/l

RT: 9.396 min Scan# 1259

Delta R.T. 0.165 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

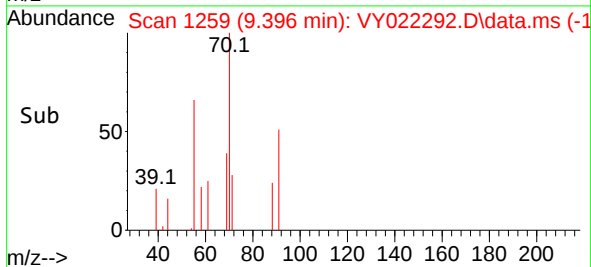
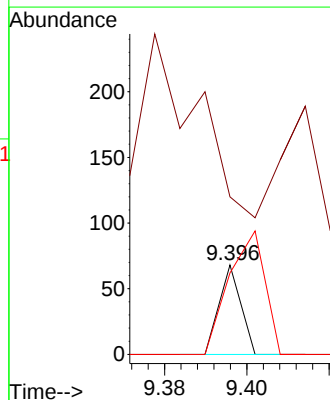
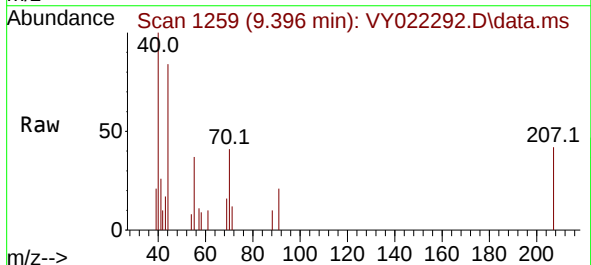
Tgt Ion: 88 Resp: 25

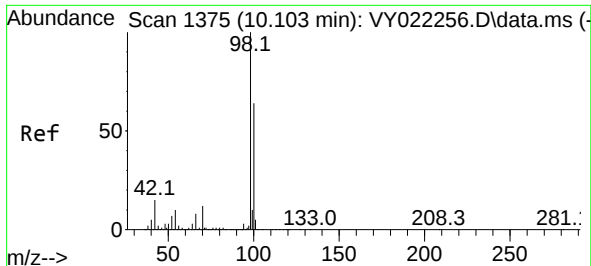
Ion Ratio Lower Upper

88 100

43 224.0 28.5 42.7#

58 228.0 61.4 92.2#

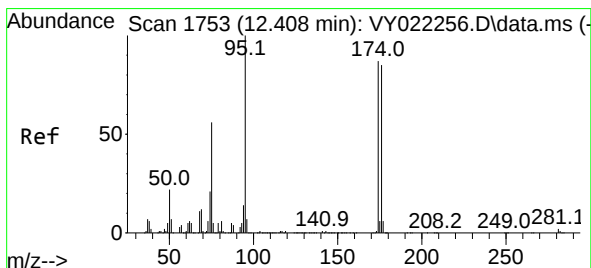
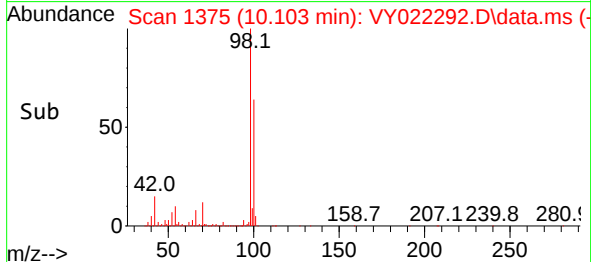
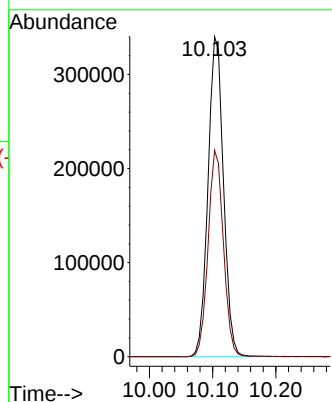
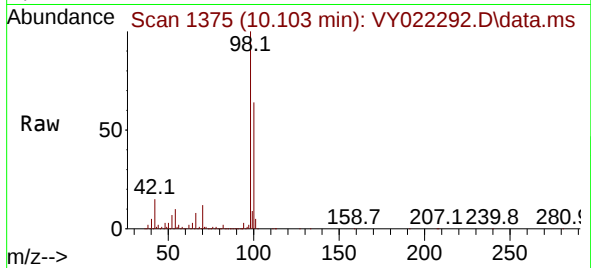




#50
Toluene-d8
Concen: 48.974 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

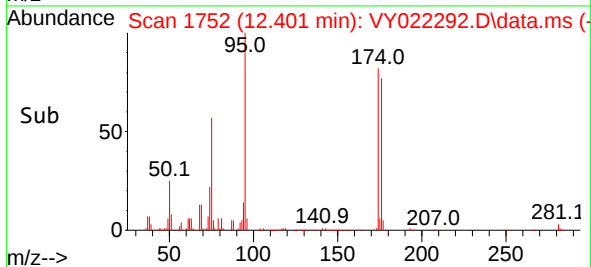
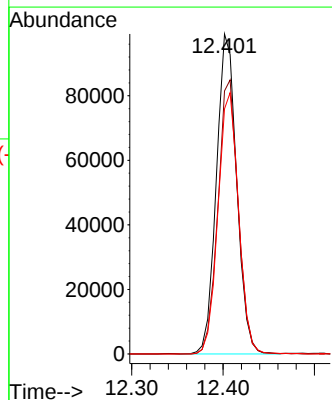
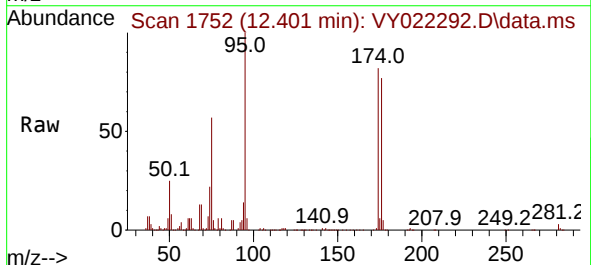
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

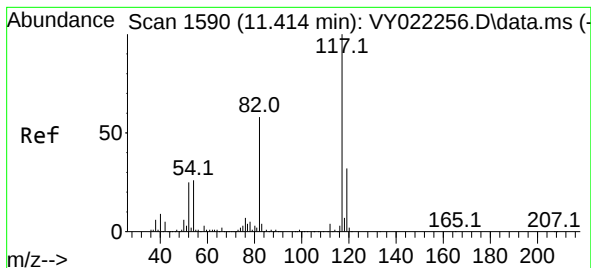
Tgt Ion: 98 Resp: 579549
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.760 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 95 Resp: 152887
Ion Ratio Lower Upper
95 100
174 85.5 0.0 166.8
176 82.9 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-17

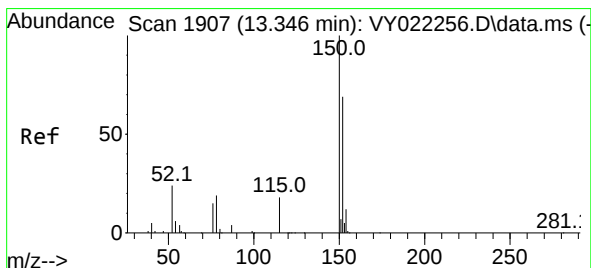
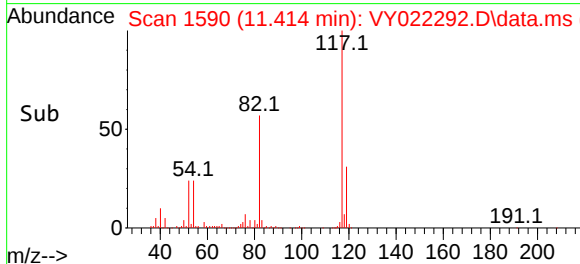
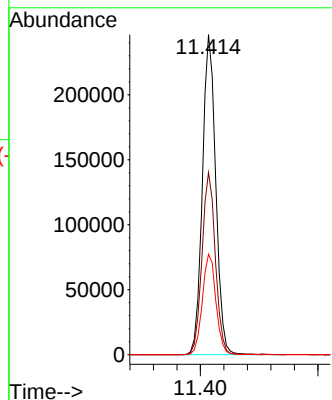
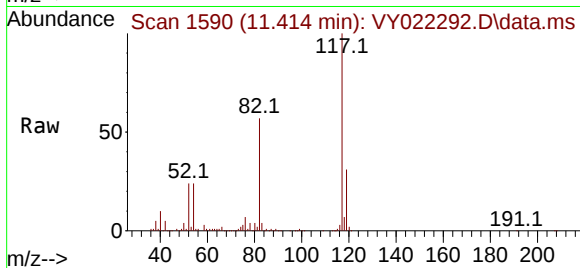
Tgt Ion:117 Resp: 388336

Ion Ratio Lower Upper

117 100

82 56.9 46.6 70.0

119 31.4 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022292.D

Acq: 16 May 2025 15:38

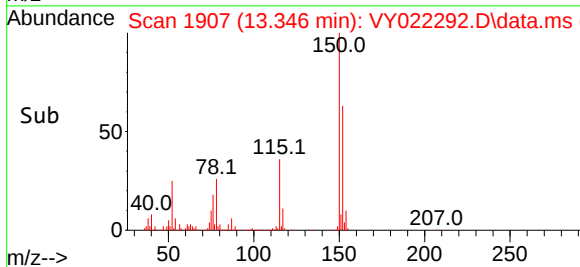
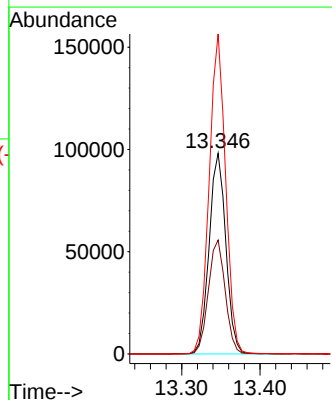
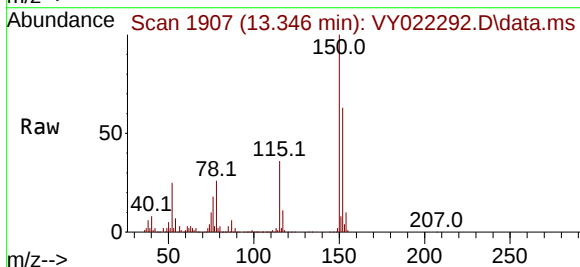
Tgt Ion:152 Resp: 145207

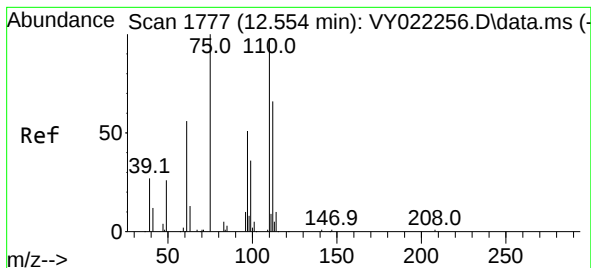
Ion Ratio Lower Upper

152 100

115 57.6 29.4 88.2

150 156.6 0.0 353.8

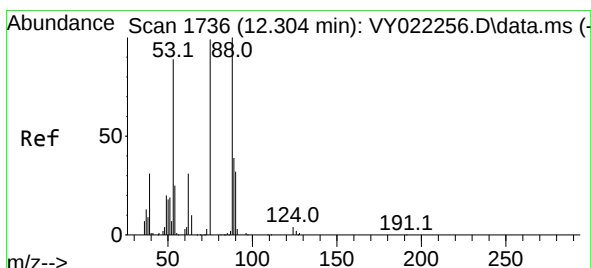
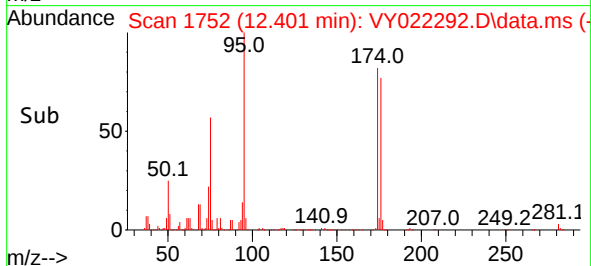
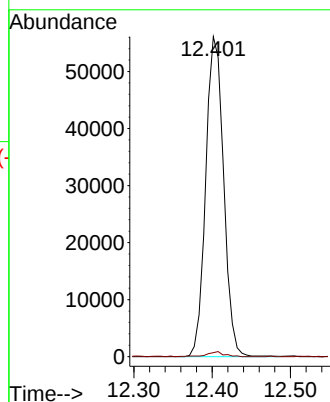
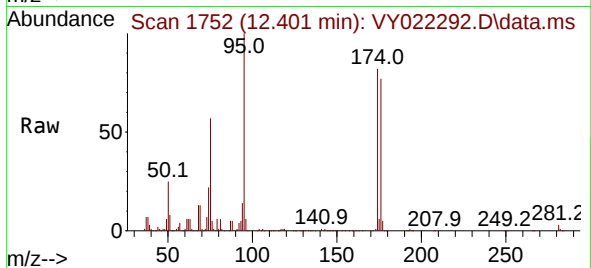




#76
1,2,3-Trichloropropane
Concen: 60.479 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 75 Resp: 88970
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.514 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 75 Resp: 88970
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.1 36.2 54.2#

