

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022956.D
 Acq On : 07 Jul 2025 13:38
 Operator : SY/MD
 Sample : Q2487-08
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(10)

Quant Time: Jul 08 01:46:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

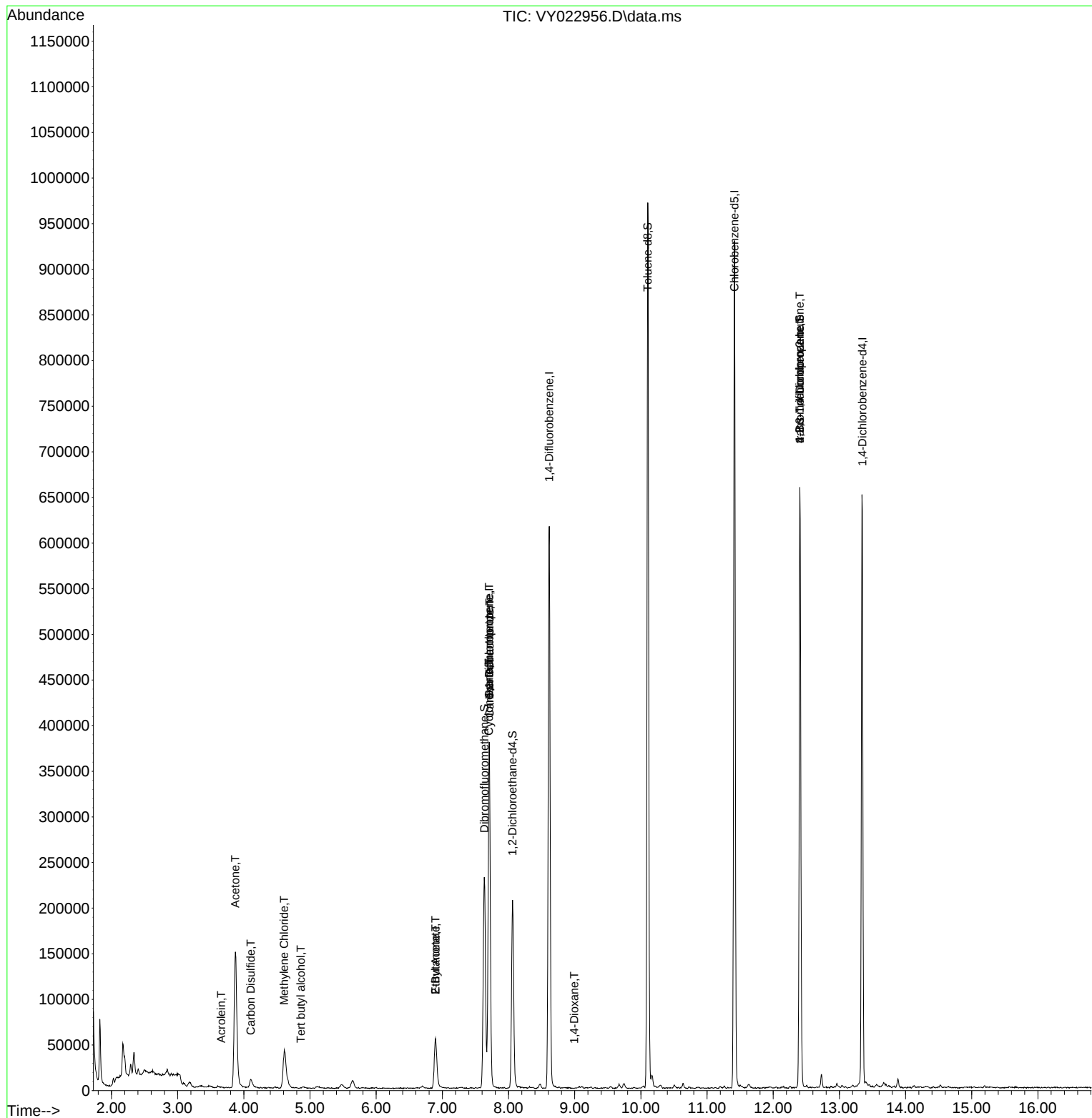
Internal Standards						
1) Pentafluorobenzene	7.707	168	283210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	471025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163131	51.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.634	113	168212	53.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.103	98	621930	49.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.401	95	182265	45.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	559	2.660	ug/l #	73
13) Acrolein	3.659	56	368	1.291	ug/l #	14
16) Acetone	3.872	43	274566	459.574	ug/l	97
17) Carbon Disulfide	4.104	76	17293	1.867	ug/l	98
20) Methylene Chloride	4.610	84	29536	7.828	ug/l	98
25) 2-Butanone	6.896	43	93388	107.401	ug/l	96
31) Cyclohexane	7.701	56	7466	1.375	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	24174	5.078	ug/l #	51
37) Ethyl Acetate	6.896	43	93388	45.461	ug/l #	69
38) Carbon Tetrachloride	7.713	117	28883	5.750	ug/l #	16
49) 1,4-Dioxane	8.993	88	82	3.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	101147	62.330	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	101147	157.469	ug/l #	11

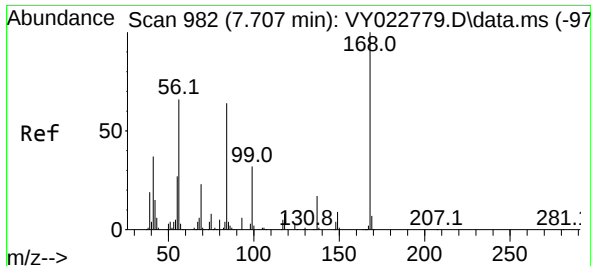
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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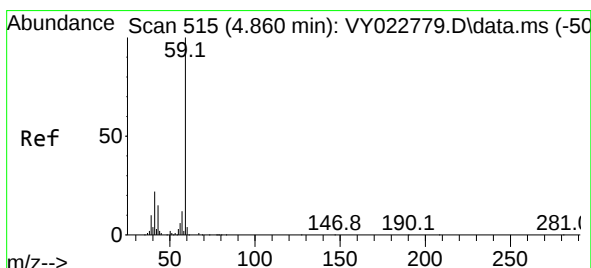
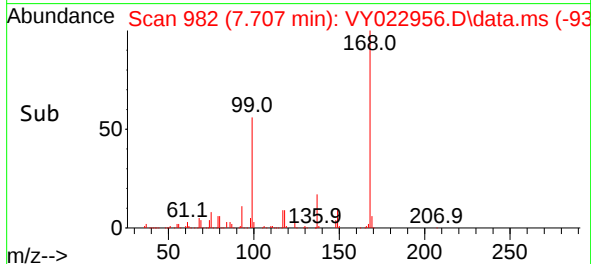
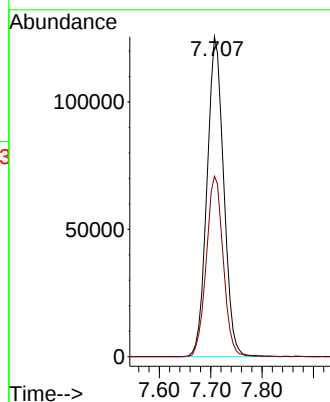
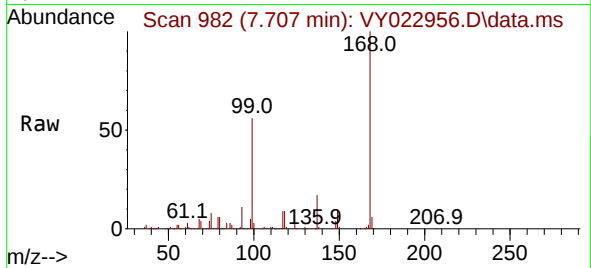




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

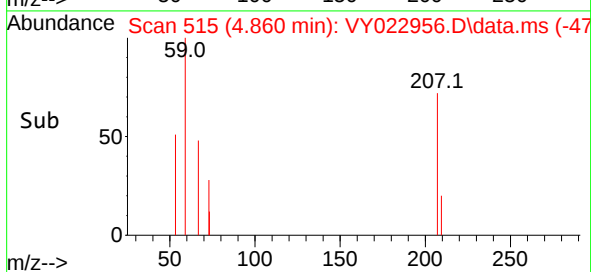
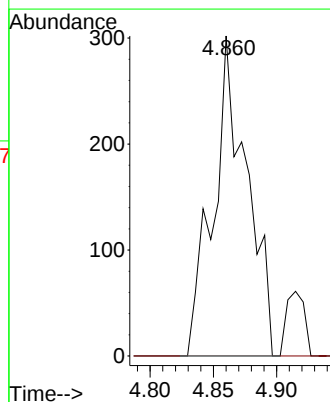
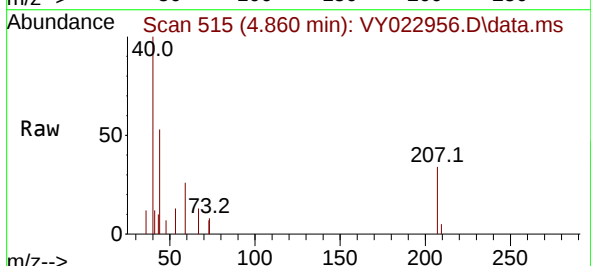
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

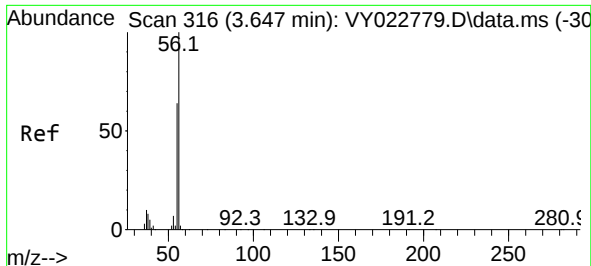
Tgt Ion:168 Resp: 283210
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#11
Tert butyl alcohol
Concen: 2.660 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.025 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

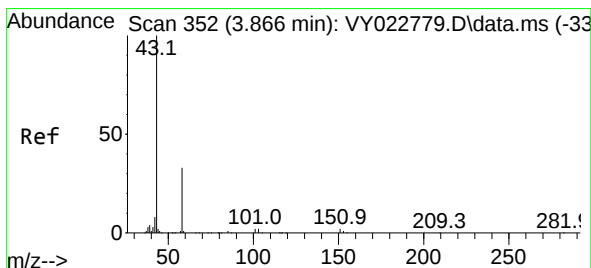
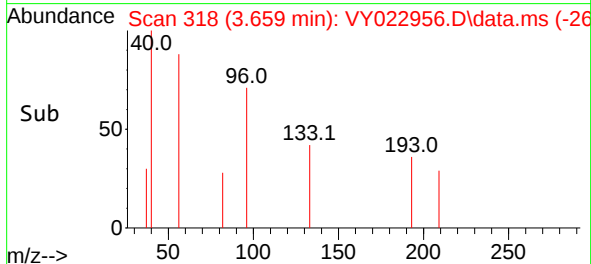
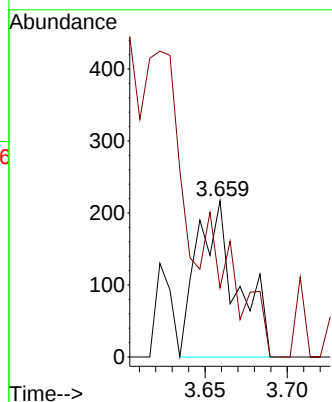
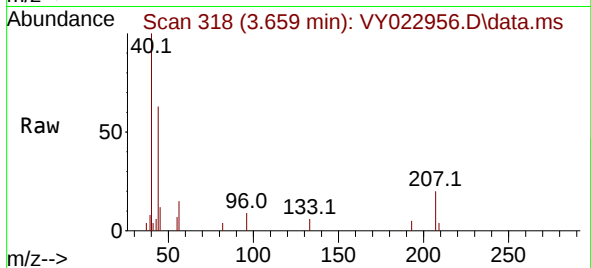




#13
Acrolein
Concen: 1.291 ug/l
RT: 3.659 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

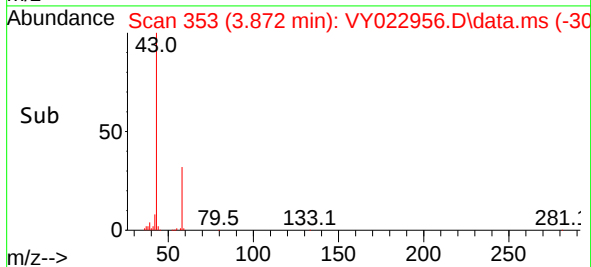
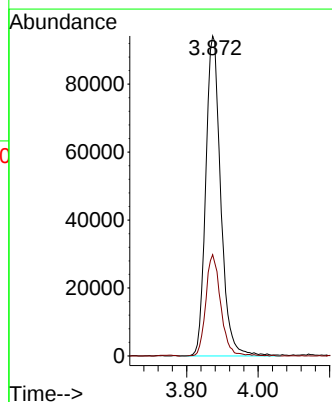
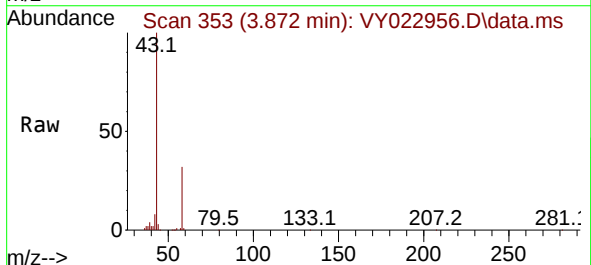
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

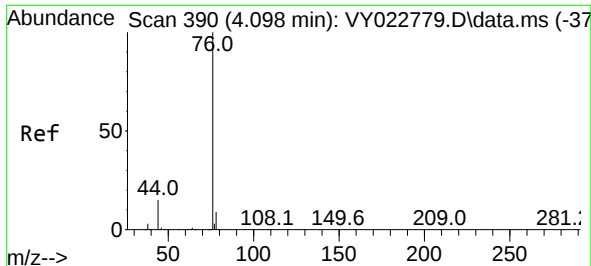
Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 459.574 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 43 Resp: 274566
Ion Ratio Lower Upper
43 100
58 31.7 24.0 36.0

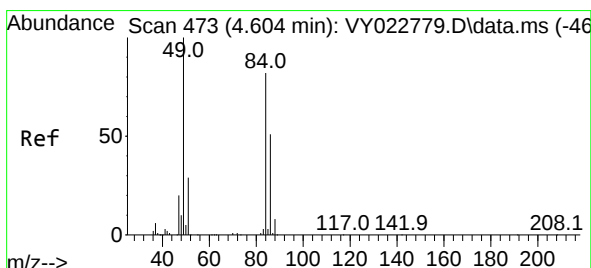
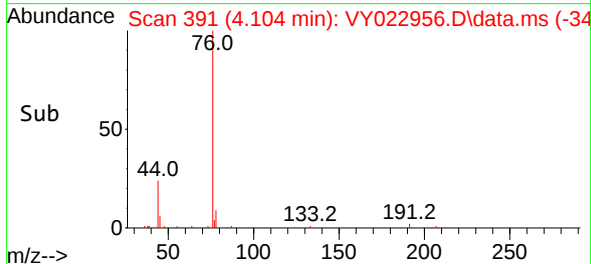
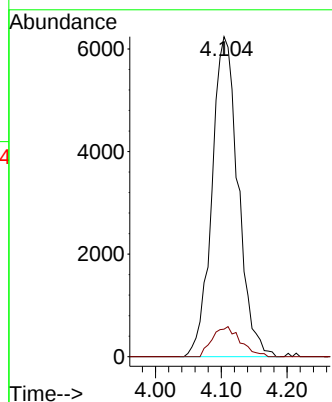
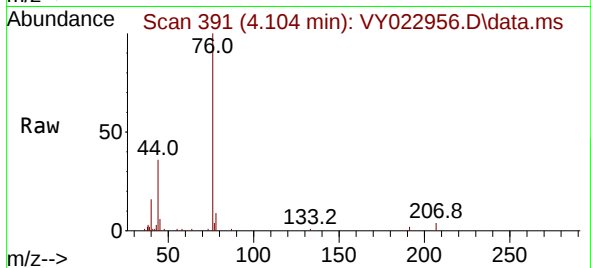




#17
Carbon Disulfide
Concen: 1.867 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

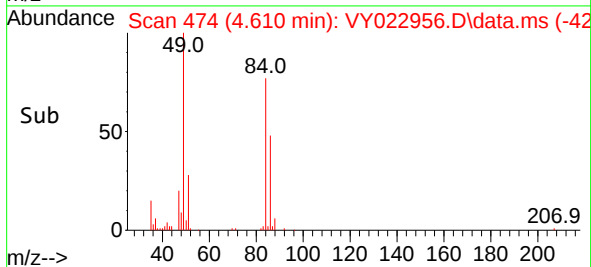
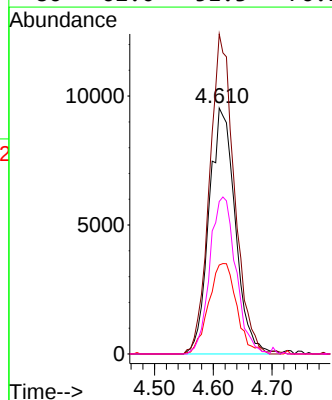
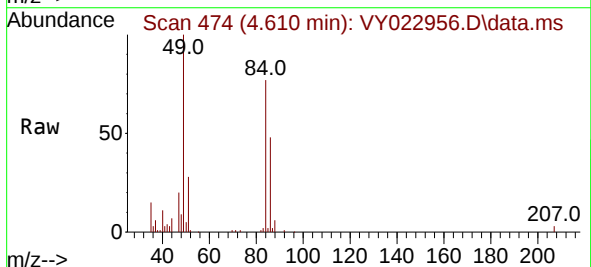
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

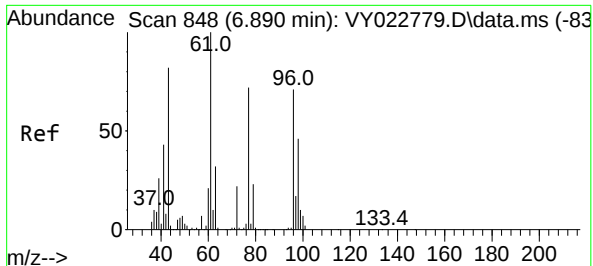
Tgt Ion: 76 Resp: 17293
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#20
Methylene Chloride
Concen: 7.828 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 84 Resp: 29536
Ion Ratio Lower Upper
84 100
49 130.1 101.9 152.9
51 36.2 29.8 44.8
86 62.0 51.3 76.9





#25

2-Butanone

Concen: 107.401 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

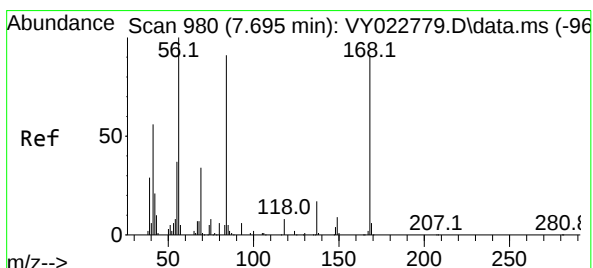
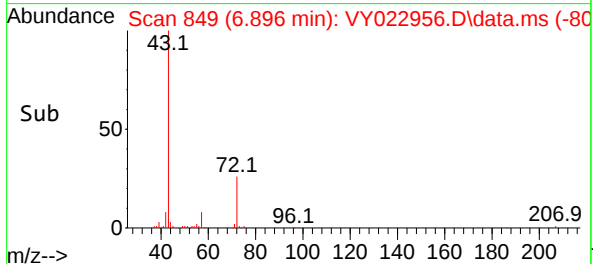
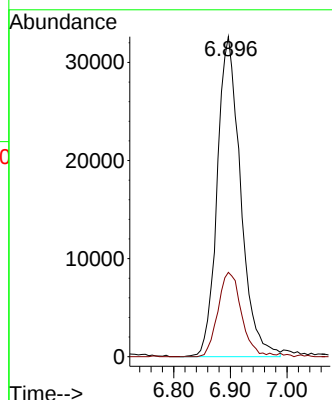
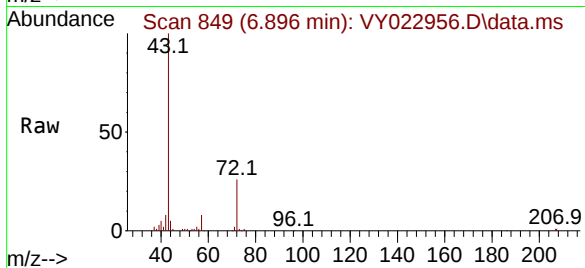
G1(10)

Tgt Ion: 43 Resp: 93388

Ion Ratio Lower Upper

43 100

72 26.4 22.9 34.3



#31

Cyclohexane

Concen: 1.375 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

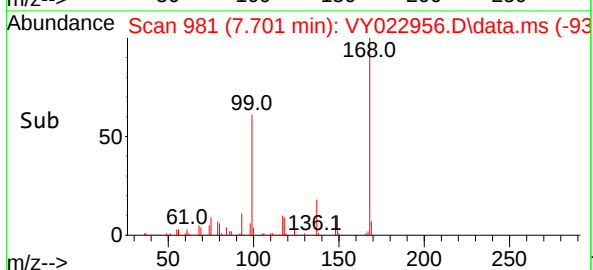
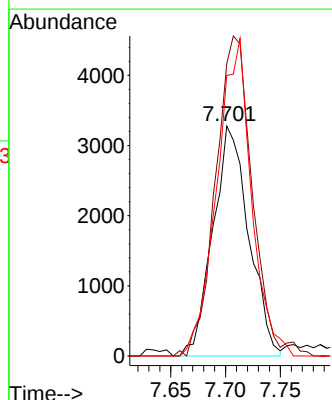
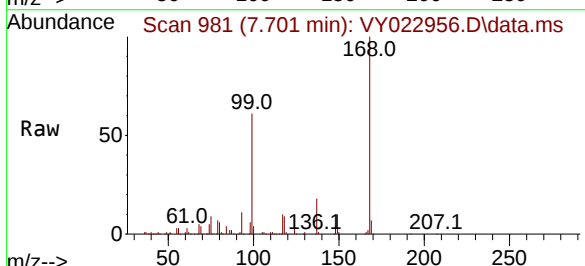
Tgt Ion: 56 Resp: 7466

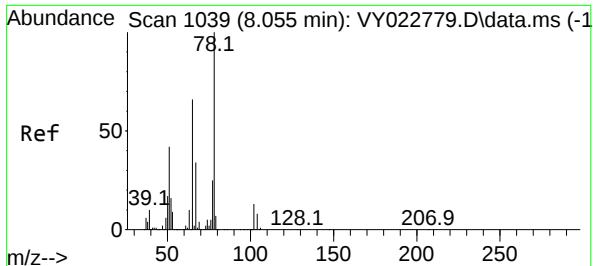
Ion Ratio Lower Upper

56 100

69 124.9 27.0 40.6#

84 122.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.609 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

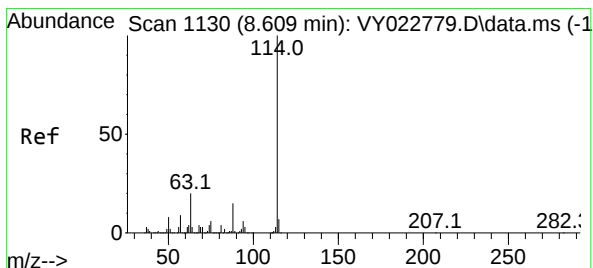
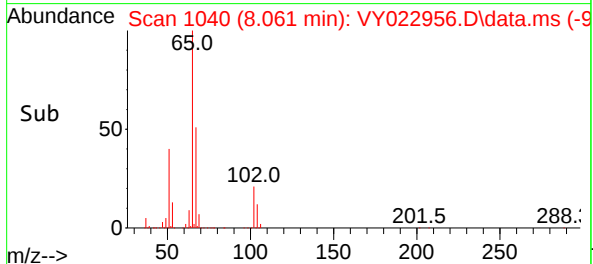
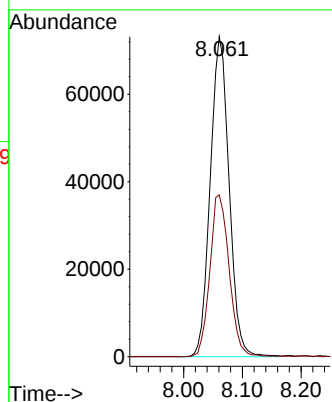
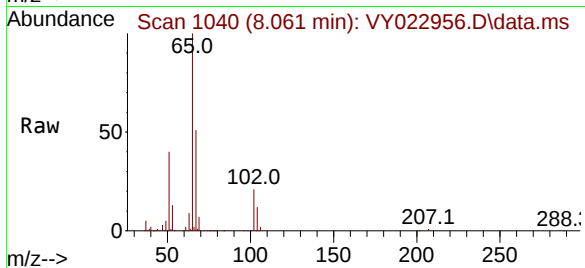
G1(10)

Tgt Ion: 65 Resp: 163131

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

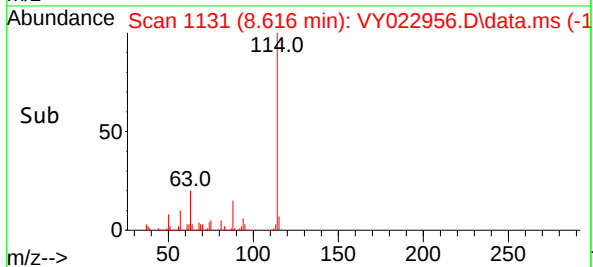
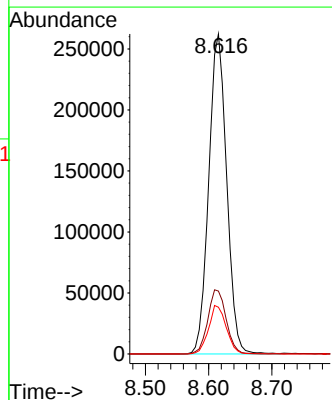
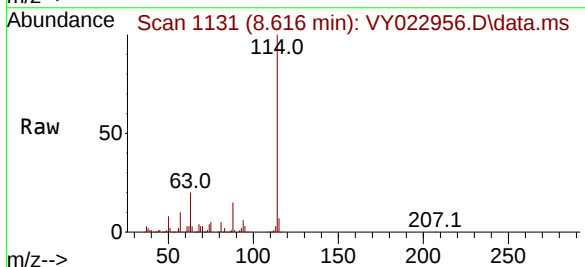
Tgt Ion:114 Resp: 516435

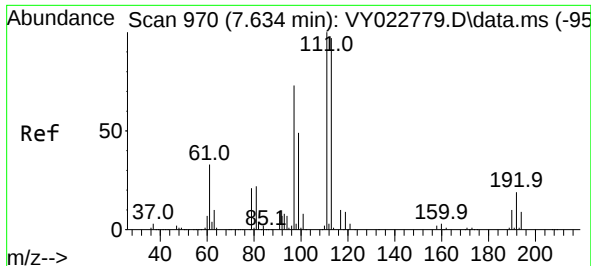
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.6 0.0 27.8

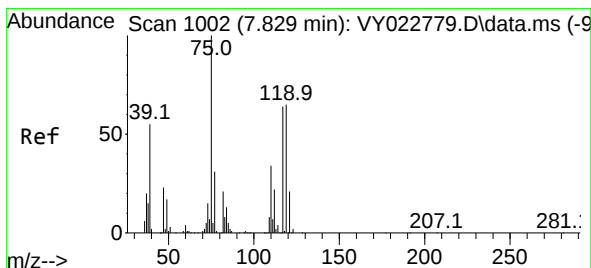
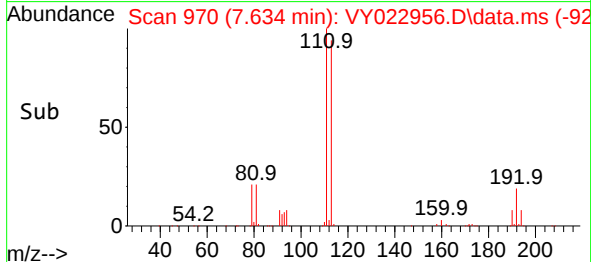
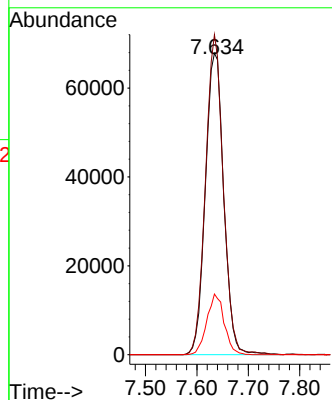
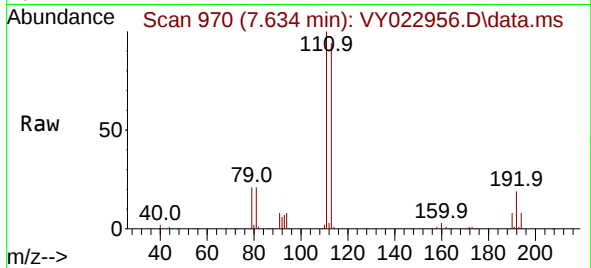




#35
Dibromofluoromethane
Concen: 53.559 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

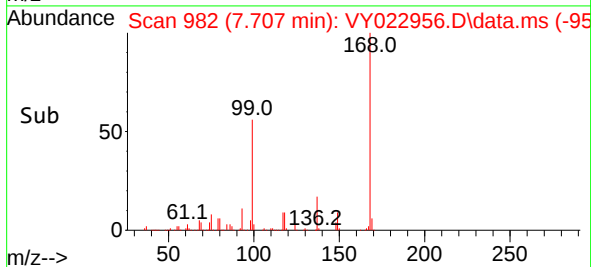
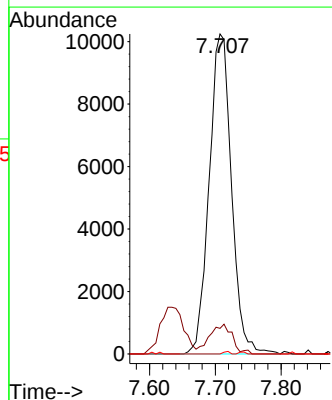
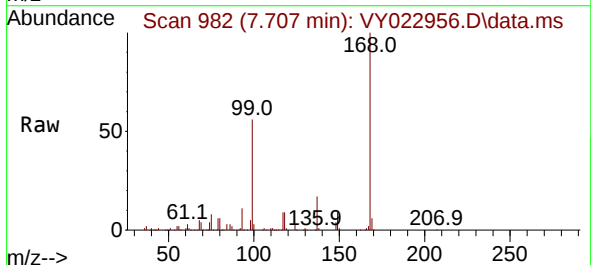
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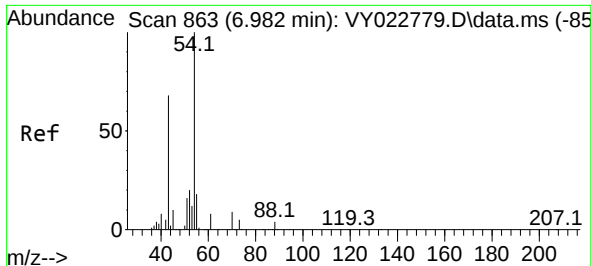
Tgt Ion:113 Resp: 168212
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 19.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 75 Resp: 24174
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.7#
77 0.2 24.8 37.2#

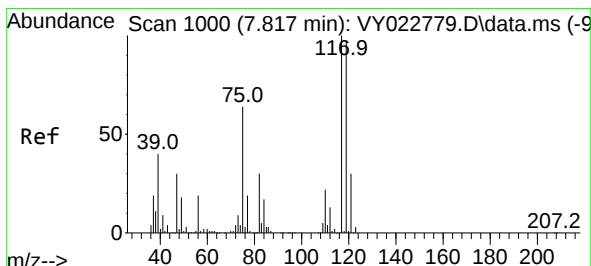
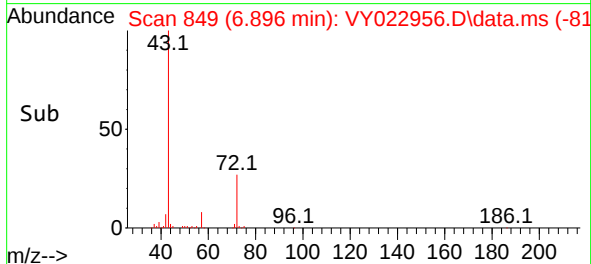
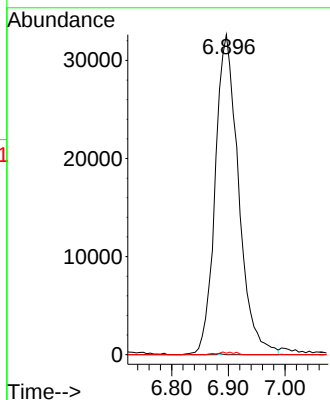
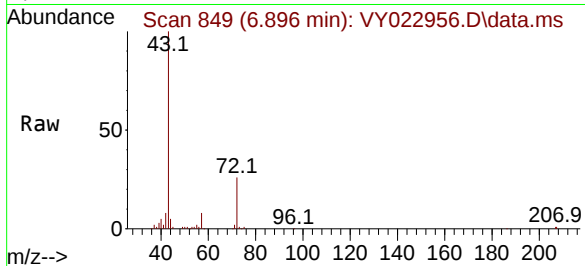




#37
Ethyl Acetate
Concen: 45.461 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

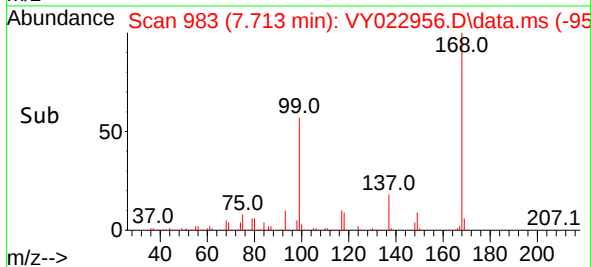
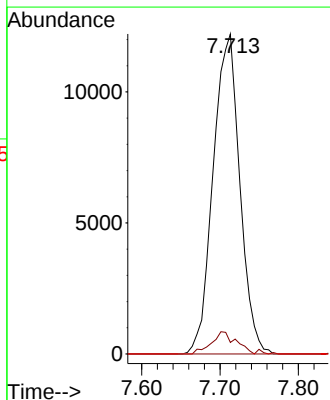
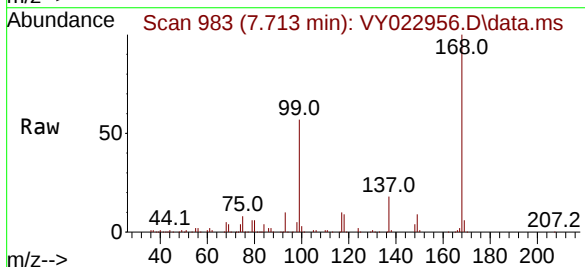
Instrument :
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G1(10)

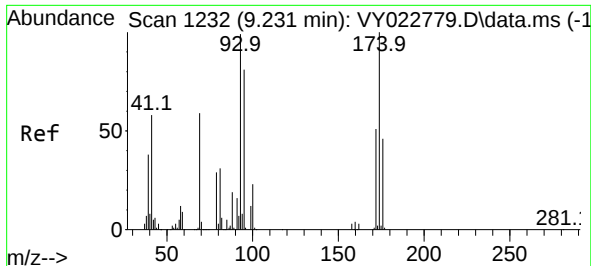
Tgt Ion: 43 Resp: 93388
Ion Ratio Lower Upper
43 100
61 0.1 11.5 17.3#
70 0.3 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 117 Resp: 28883
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.6#
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 3.569 ug/l

RT: 8.993 min Scan# 1193

Delta R.T. -0.250 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

G1(10)

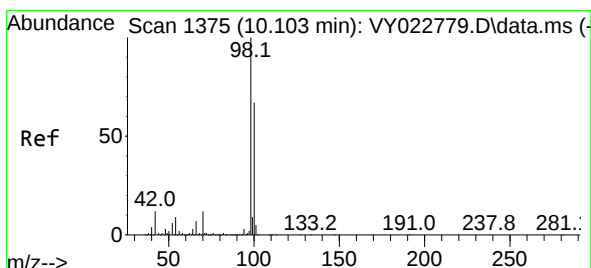
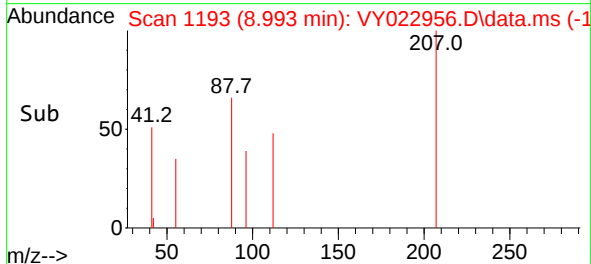
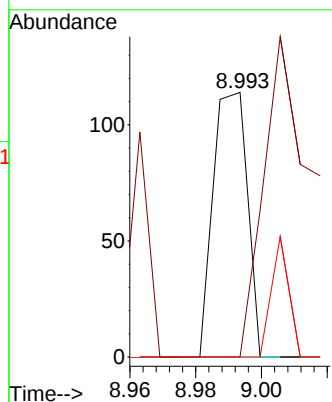
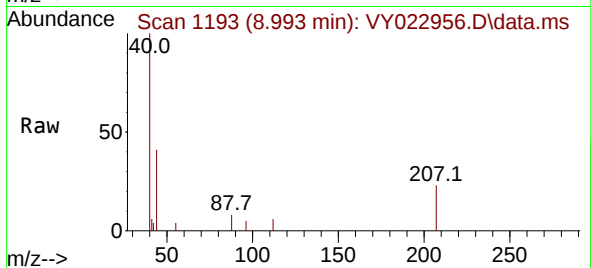
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 161.0 25.4 38.2#

58 23.2 54.9 82.3#



#50

Toluene-d8

Concen: 49.903 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022956.D

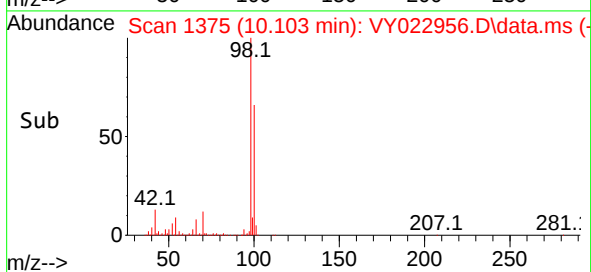
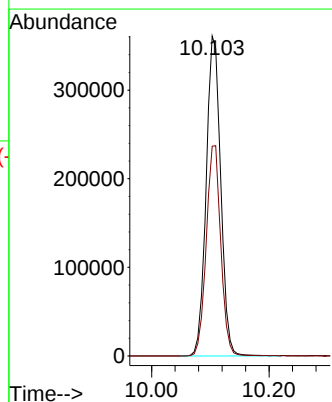
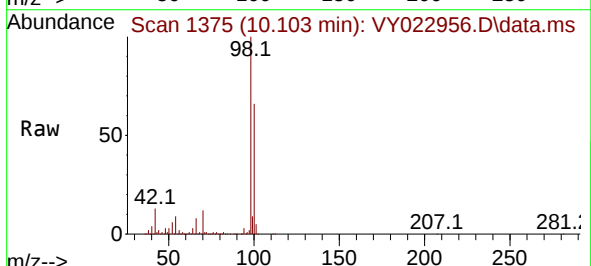
Acq: 07 Jul 2025 13:38

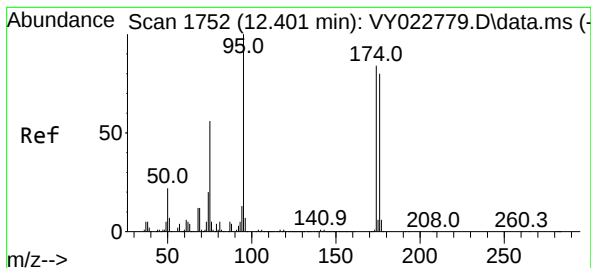
Tgt Ion: 98 Resp: 621930

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.0

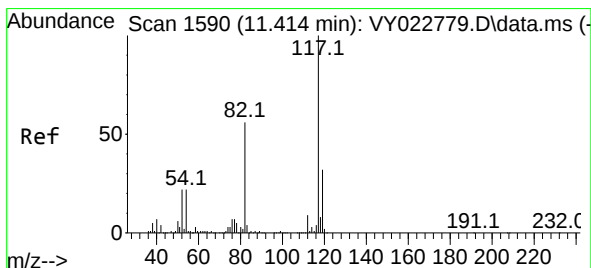
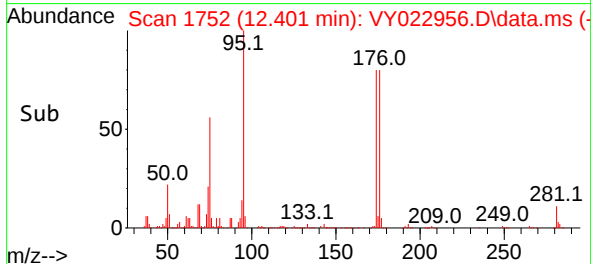
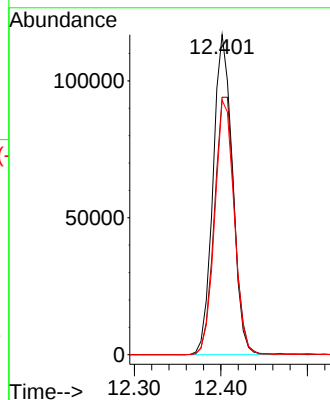
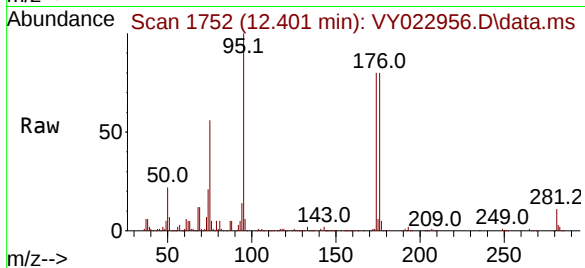




#62
4-Bromofluorobenzene
Concen: 45.494 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

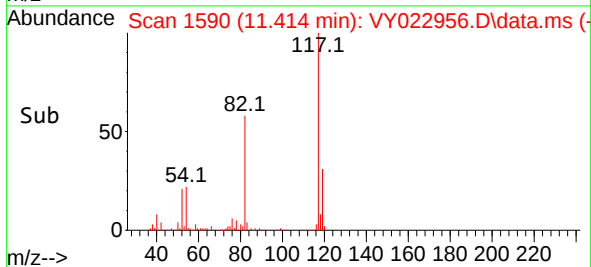
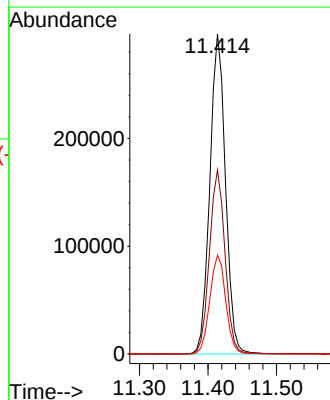
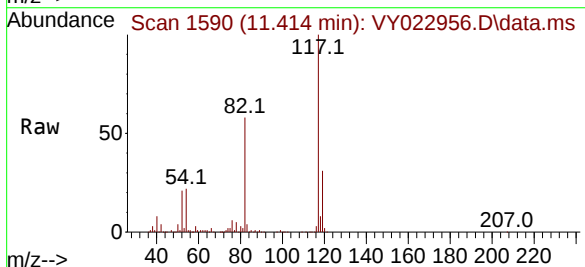
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

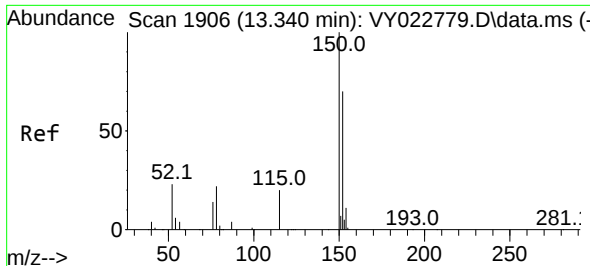
Tgt Ion: 95 Resp: 182265
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.0
176 79.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 117 Resp: 471025
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 30.9 25.4 38.0

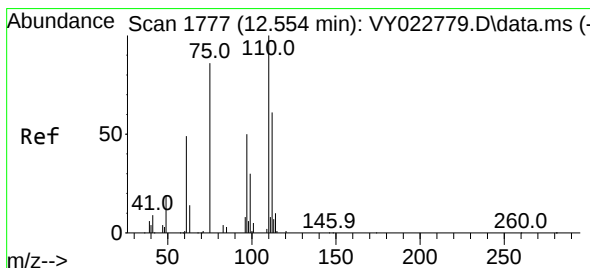
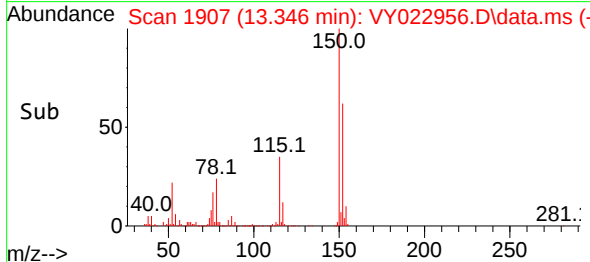
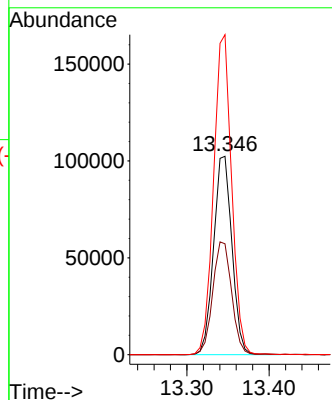
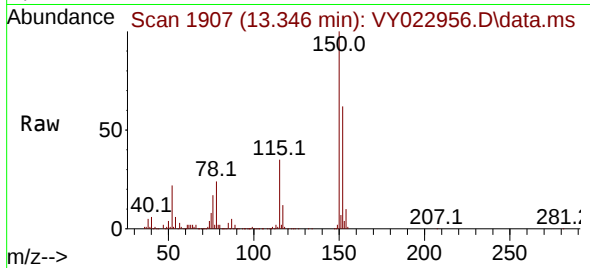




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022956.D
 Acq: 07 Jul 2025 13:38

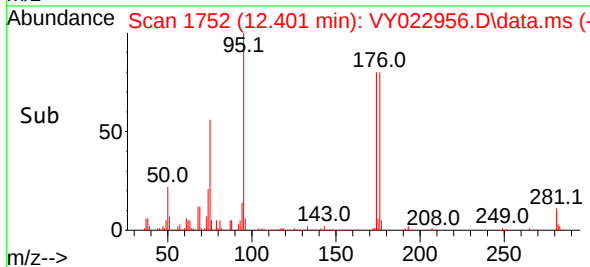
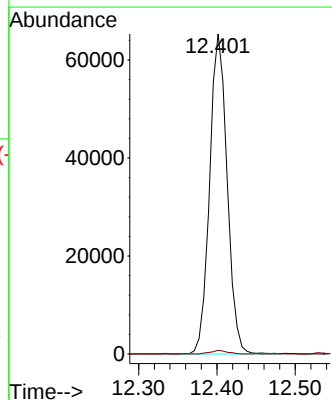
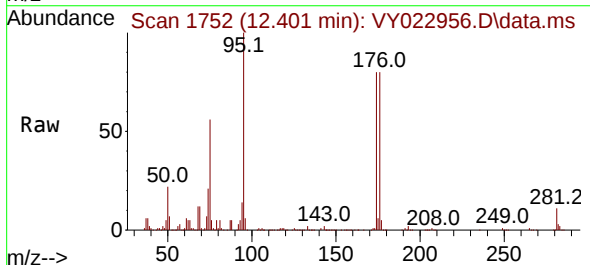
Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(10)

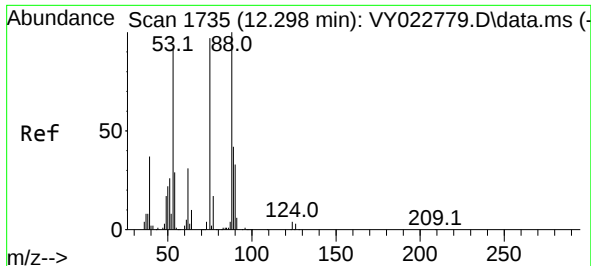
Tgt Ion:152 Resp: 158953
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.9 86.7
 150 158.6 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 62.330 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022956.D
 Acq: 07 Jul 2025 13:38

Tgt Ion: 75 Resp: 101147
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 157.469 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

Tgt Ion: 75 Resp: 101147
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.2 35.7 53.5#

