

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023824.D
 Acq On : 26 Nov 2025 14:08
 Operator : SY/MD
 Sample : Q3723-01
 Misc : 6.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 01:22:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

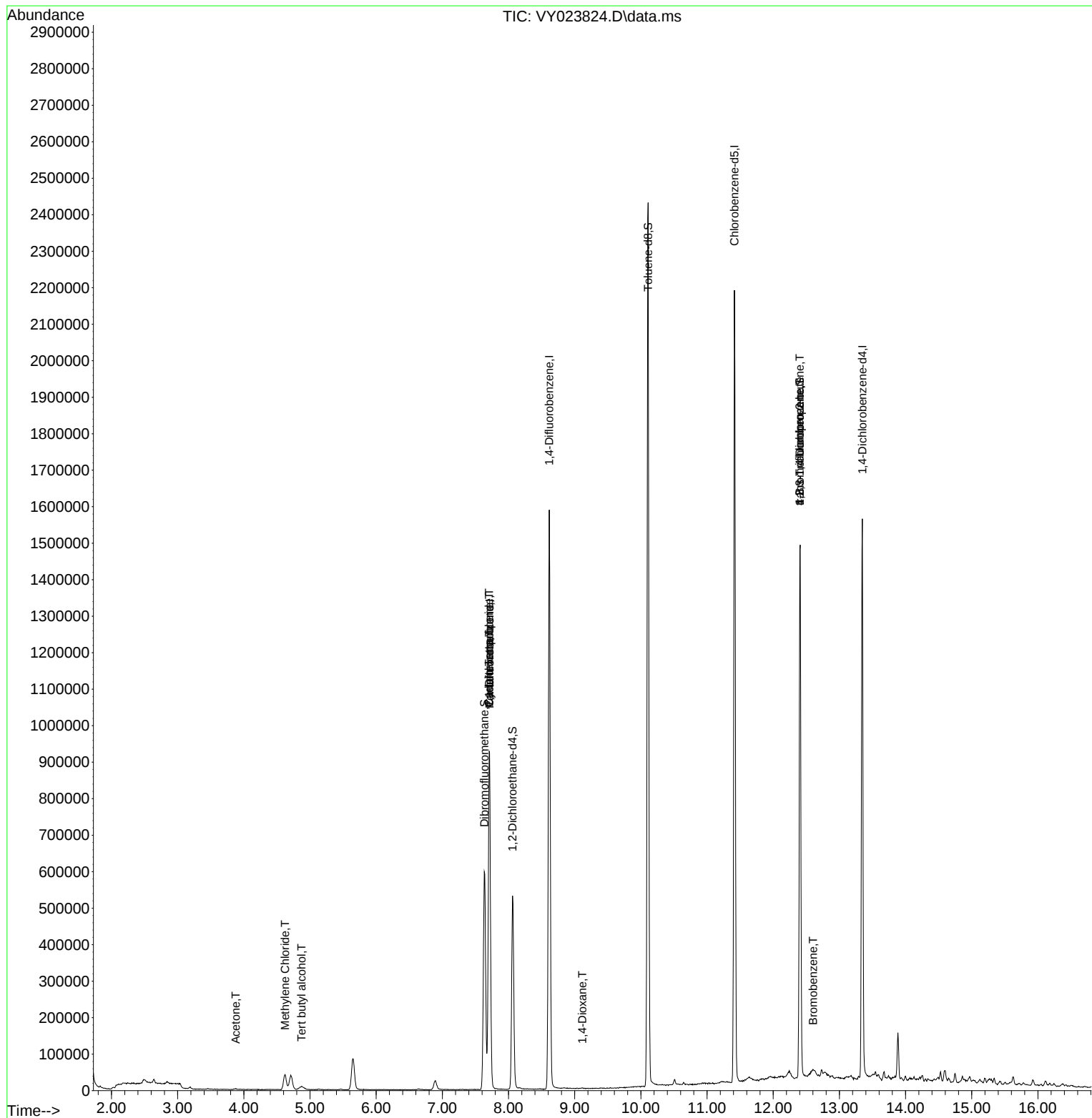
Internal Standards						
1) Pentafluorobenzene	7.713	168	743131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1357603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1140399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	397660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	424342	58.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.280%			
35) Dibromofluoromethane	7.634	113	437815	54.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.109	98	1606559	50.293	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.401	95	456187	43.402	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.800%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	15602	26.250	ug/l #	77
16) Acetone	3.879	43	3560	1.707	ug/l #	74
20) Methylene Chloride	4.622	84	31692	3.595	ug/l	95
31) Cyclohexane	7.707	56	15138	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	57152	4.635	ug/l #	41
38) Carbon Tetrachloride	7.707	117	73205	5.409	ug/l #	15
49) 1,4-Dioxane	9.115	88	106	1.948	ug/l #	25
76) 1,2,3-Trichloropropane	12.401	75	235888	68.213	ug/l #	100
77) Bromobenzene	12.603	156	15007	2.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	235888	144.182	ug/l #	14

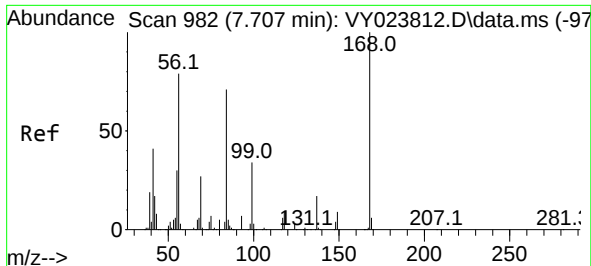
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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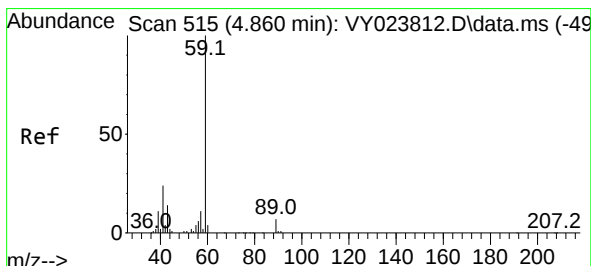
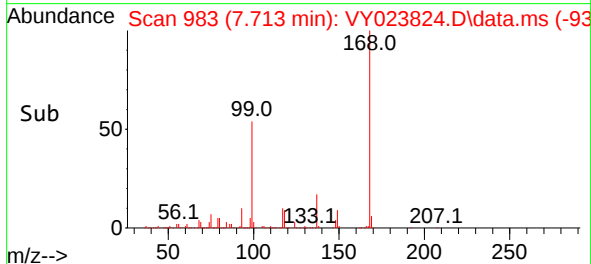
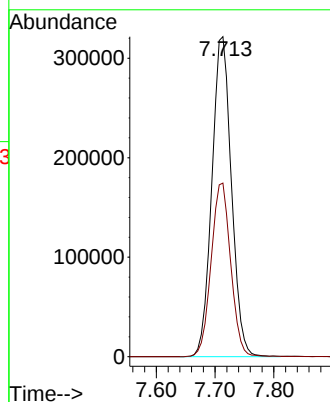
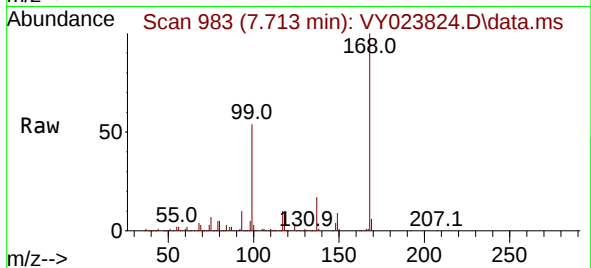




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

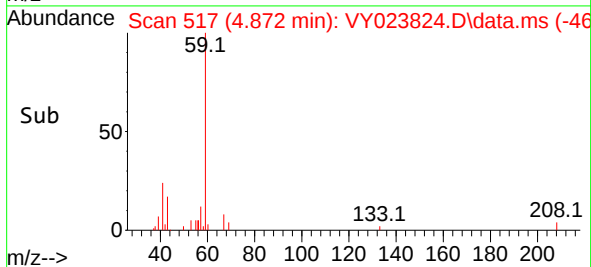
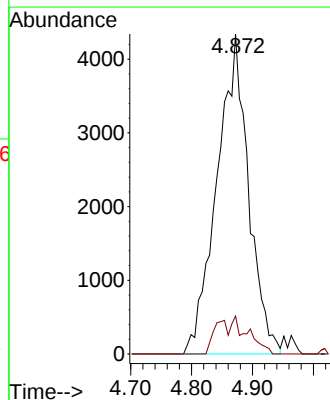
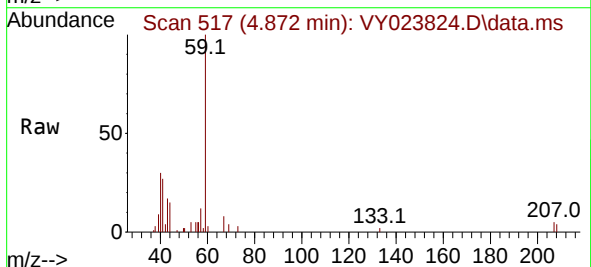
Instrument :
MSVOA_Y
ClientSampleId :

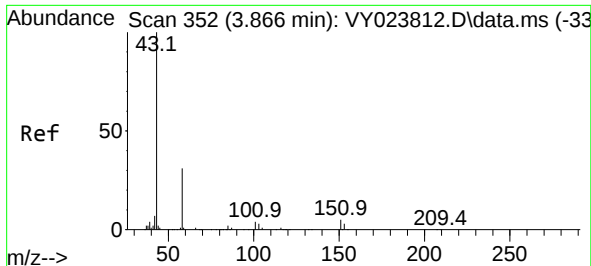
Tgt Ion:168 Resp: 743131
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#11
Tert butyl alcohol
Concen: 26.250 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 59 Resp: 15602
Ion Ratio Lower Upper
59 100
57 1.6 8.0 12.0#





#16

Acetone

Concen: 1.707 ug/l

RT: 3.879 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

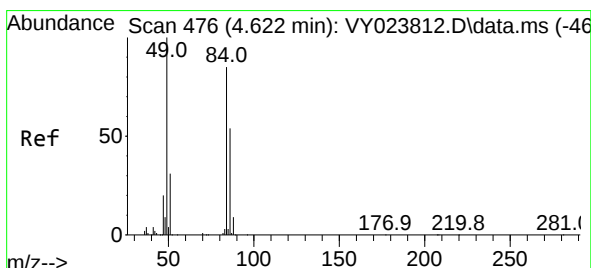
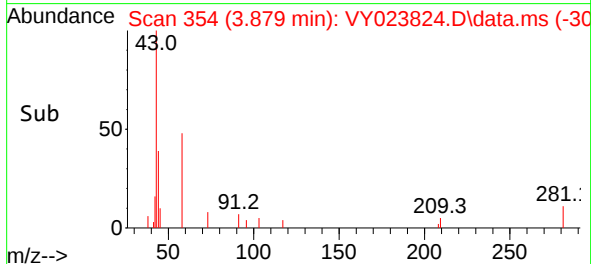
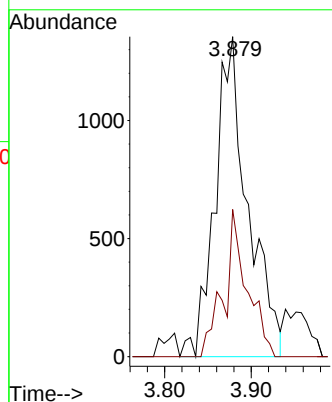
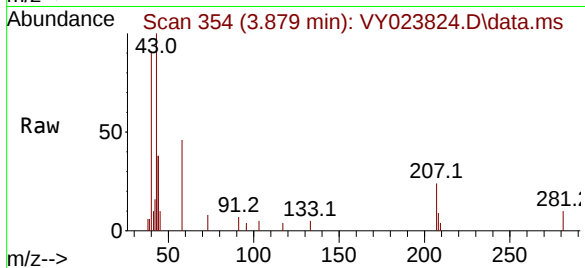
ClientSampleId :

Tgt Ion: 43 Resp: 3560

Ion Ratio Lower Upper

43 100

58 46.0 25.4 38.2#



#20

Methylene Chloride

Concen: 3.595 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Tgt Ion: 84 Resp: 31692

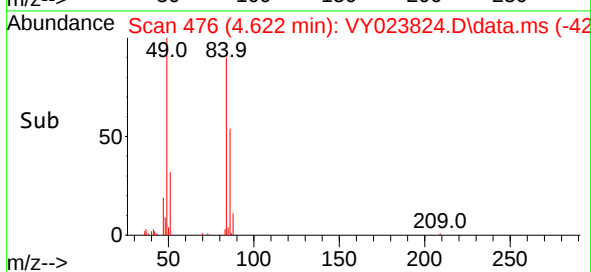
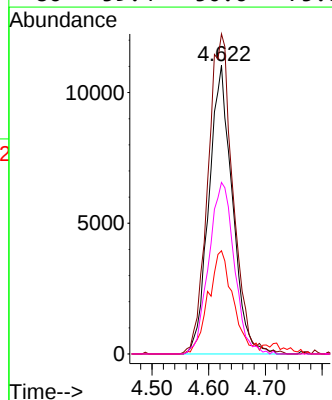
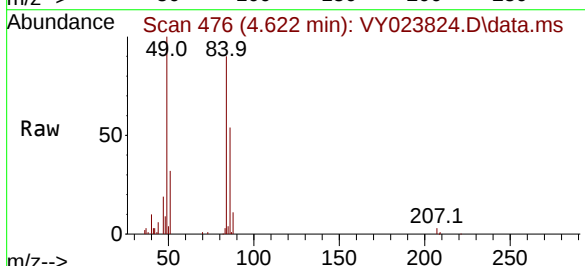
Ion Ratio Lower Upper

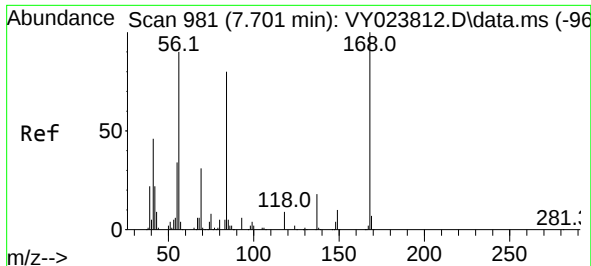
84 100

49 110.9 94.0 141.0

51 35.8 29.2 43.8

86 59.4 50.6 75.8

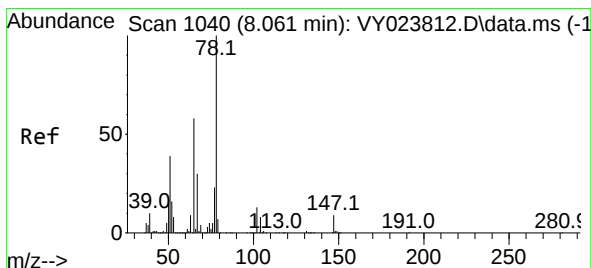
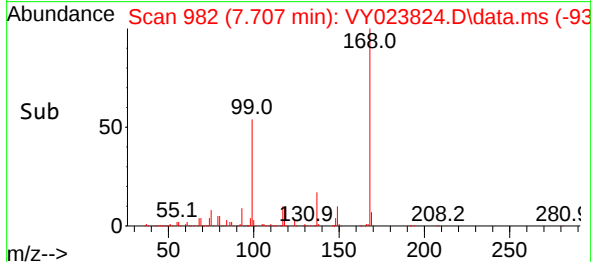
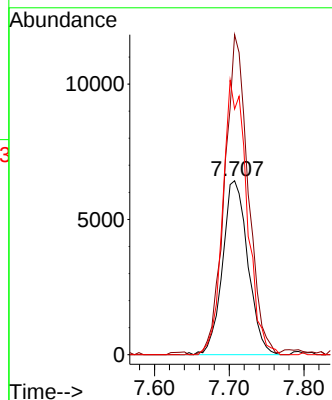
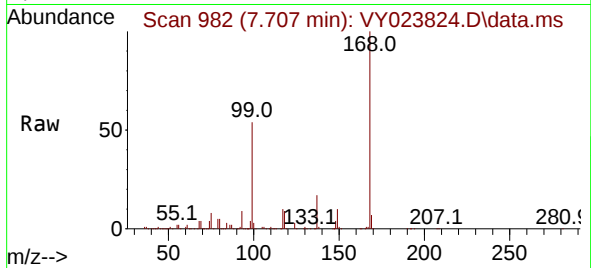




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

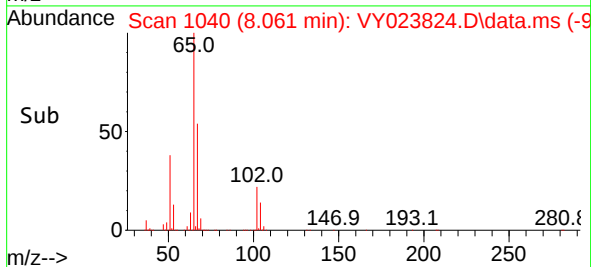
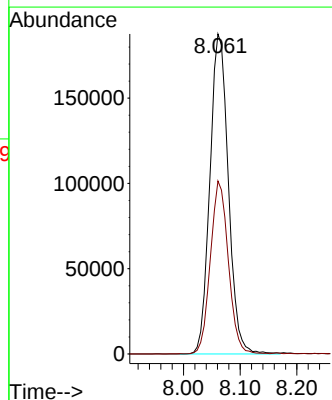
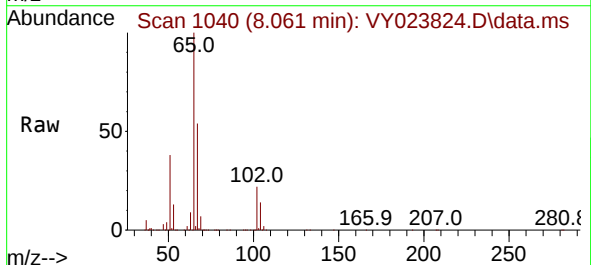
Instrument :
MSVOA_Y
ClientSampleId :

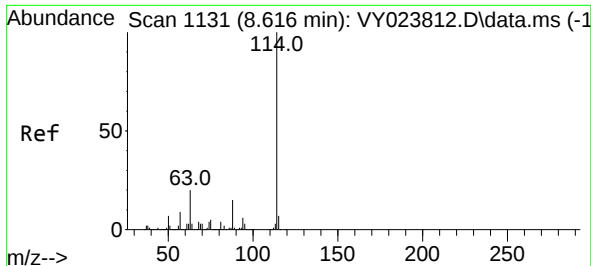
Tgt Ion: 56 Resp: 15138
Ion Ratio Lower Upper
56 100
69 182.7 27.8 41.6#
84 141.2 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 58.635 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 65 Resp: 424342
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

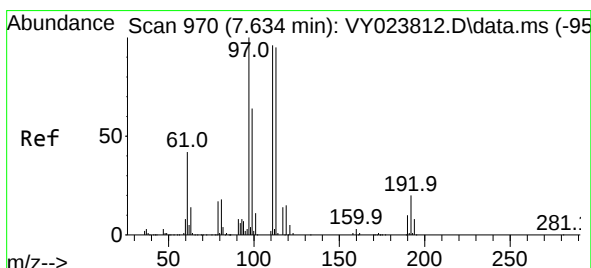
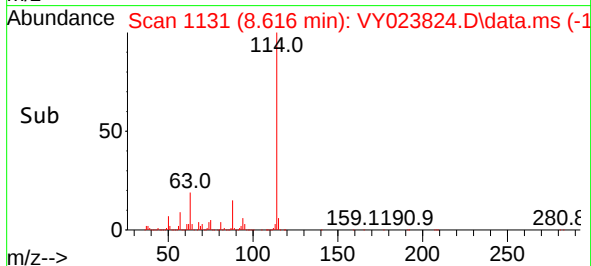
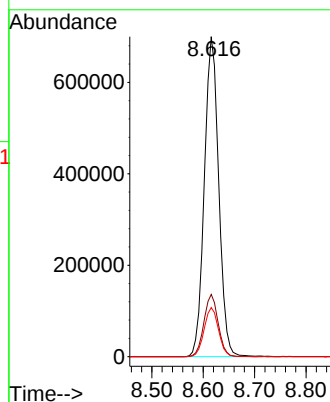
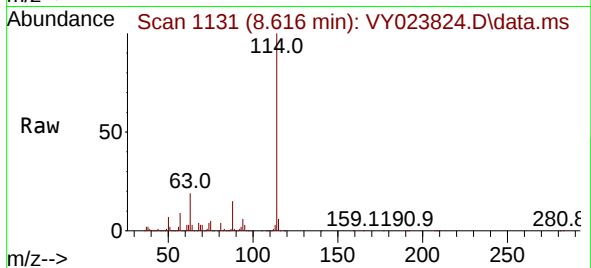
Tgt Ion:114 Resp: 1357603

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.439 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

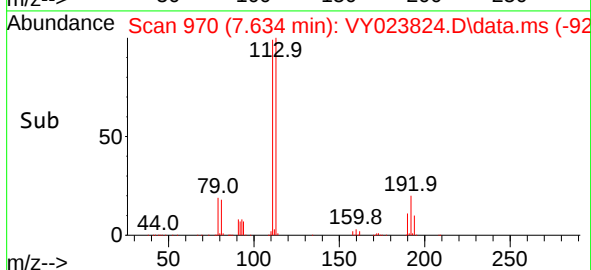
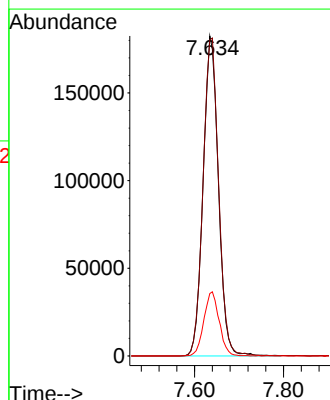
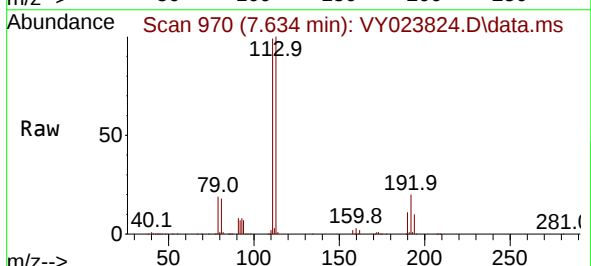
Tgt Ion:113 Resp: 437815

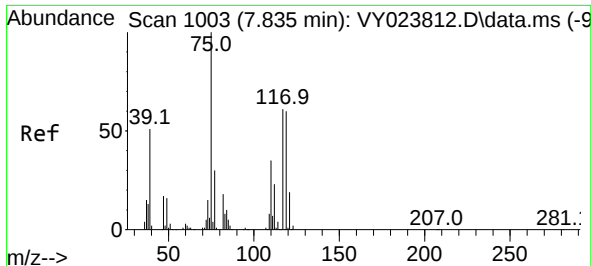
Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 20.1 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

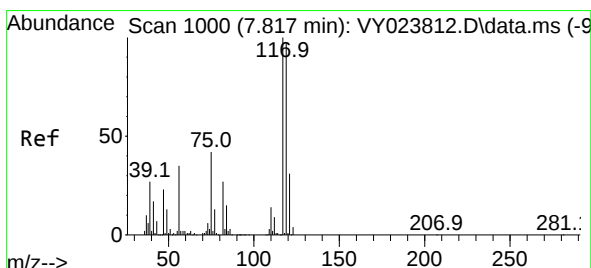
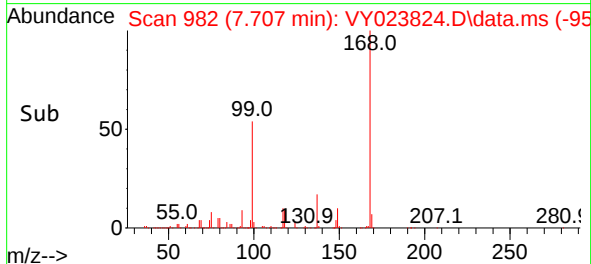
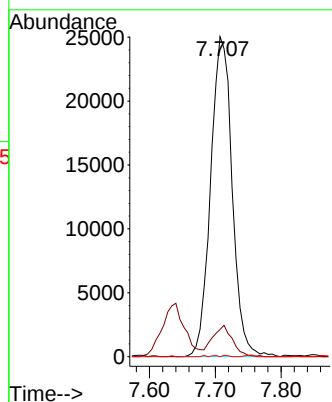
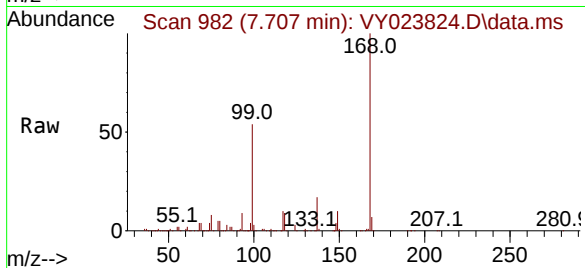
Tgt Ion: 75 Resp: 57152

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

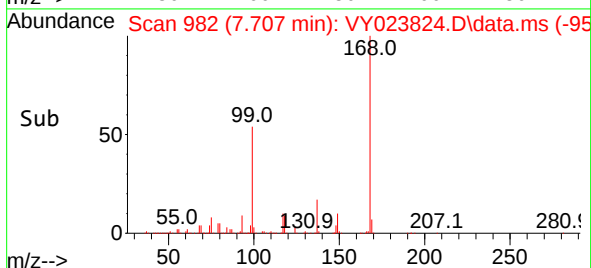
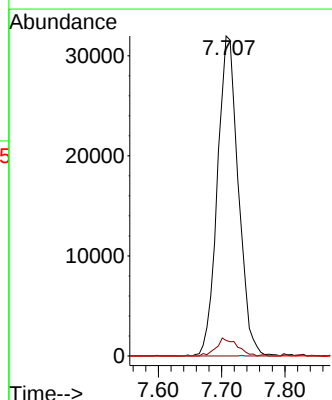
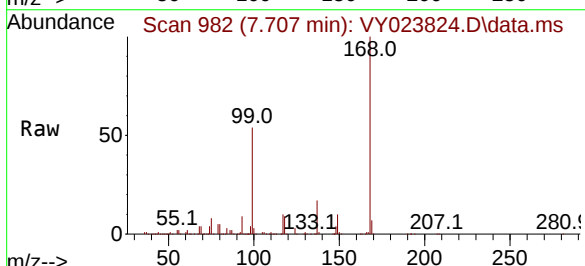
Tgt Ion: 117 Resp: 73205

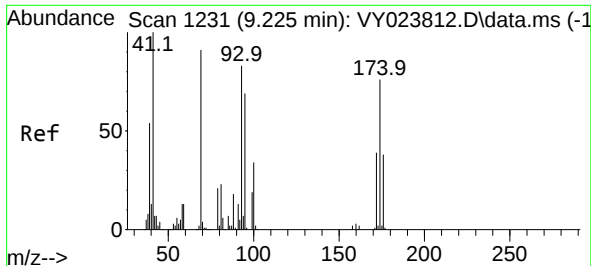
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 25.0 37.6#





#49

1,4-Dioxane

Concen: 1.948 ug/l

RT: 9.115 min Scan# 11

Delta R.T. -0.110 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

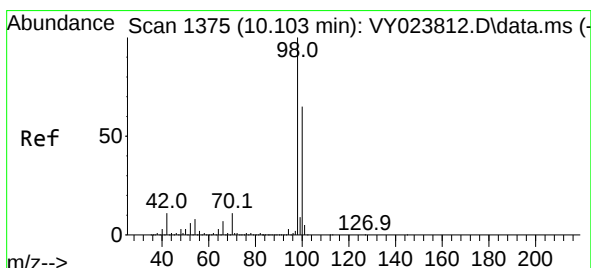
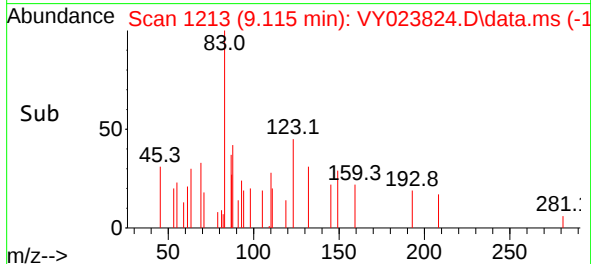
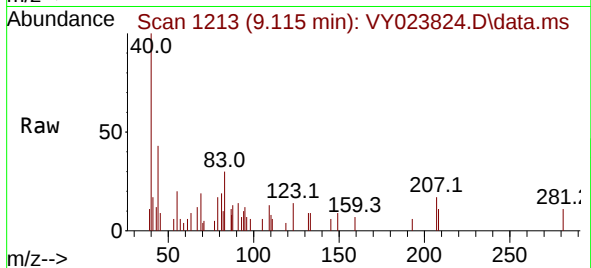
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

58 0.0 53.4 80.2#



#50

Toluene-d8

Concen: 50.293 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023824.D

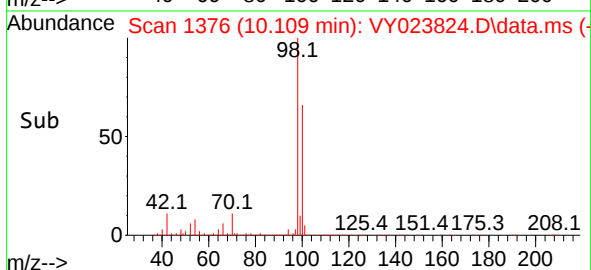
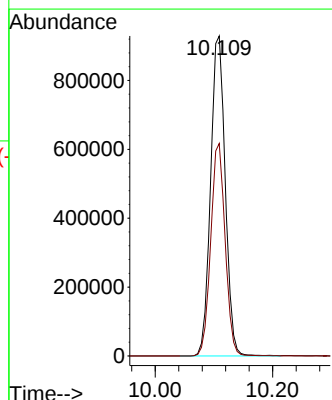
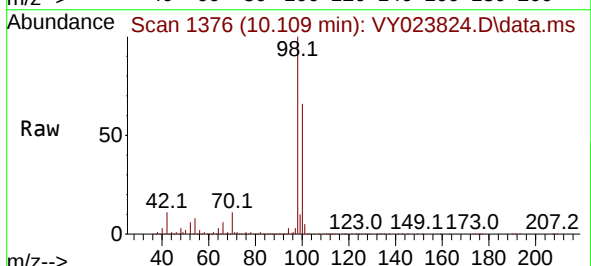
Acq: 26 Nov 2025 14:08

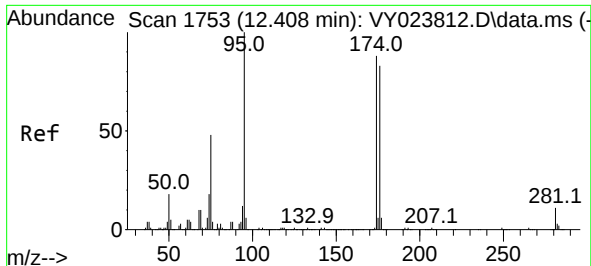
Tgt Ion: 98 Resp: 1606559

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9

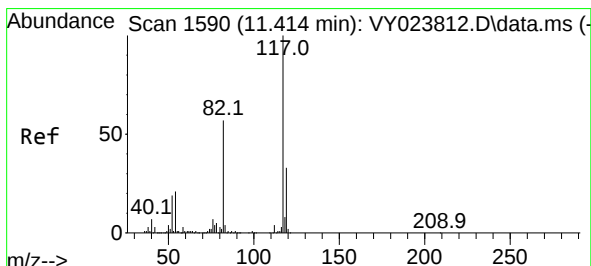
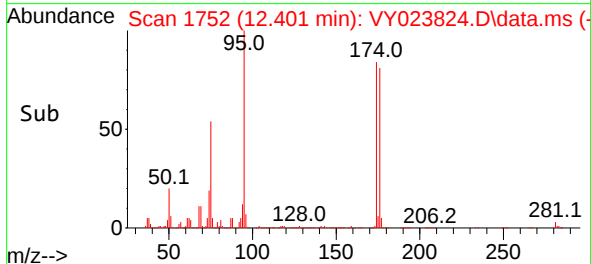
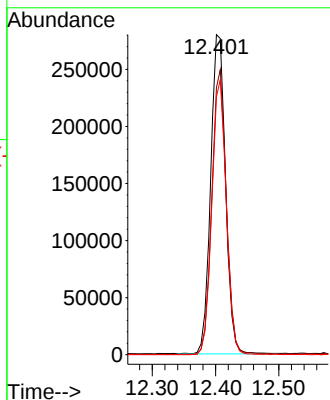
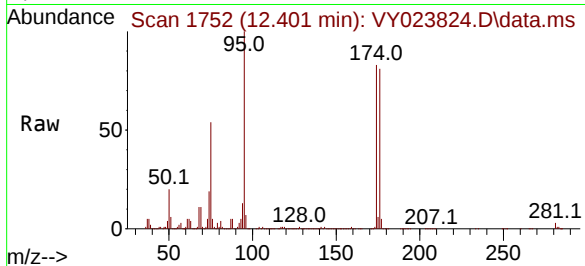




#62
4-Bromofluorobenzene
Concen: 43.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

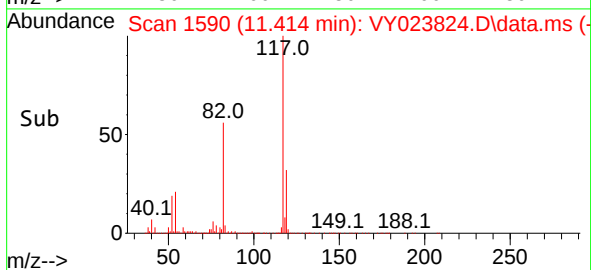
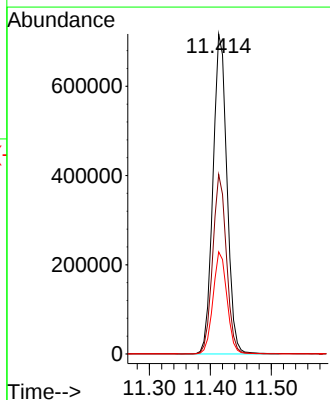
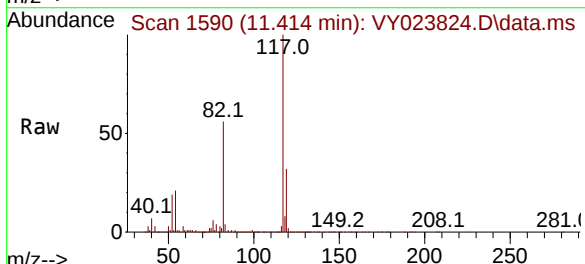
Instrument :
MSVOA_Y
ClientSampleId :

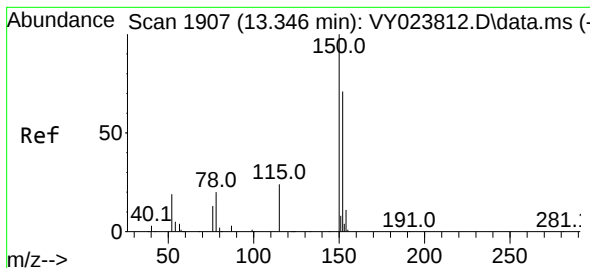
Tgt Ion: 95 Resp: 456187
Ion Ratio Lower Upper
95 100
174 87.2 0.0 168.6
176 83.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 117 Resp: 1140399
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 31.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

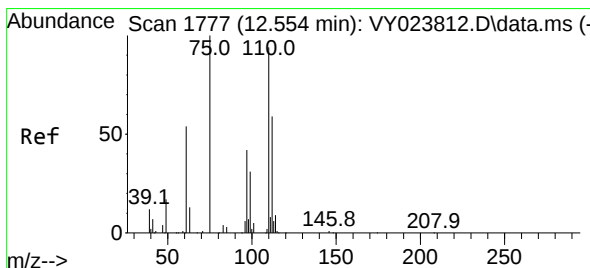
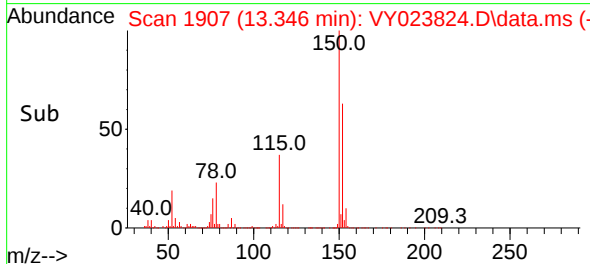
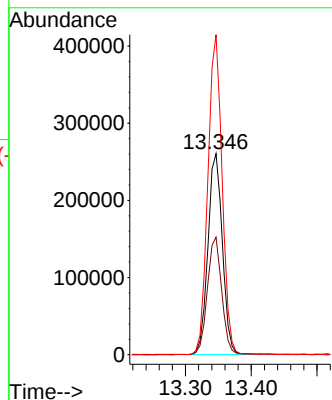
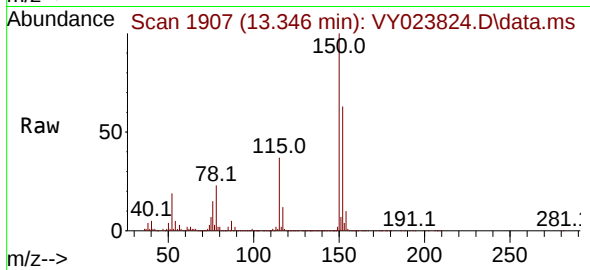
Tgt Ion:152 Resp: 397660

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

150 157.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.213 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023824.D

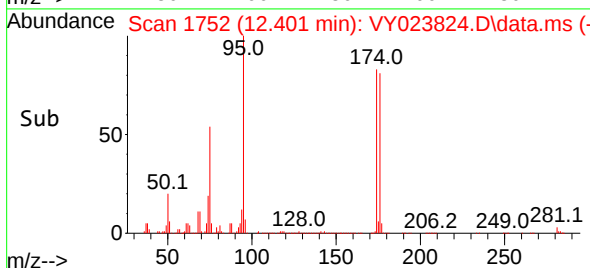
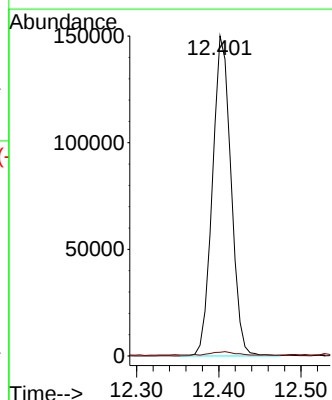
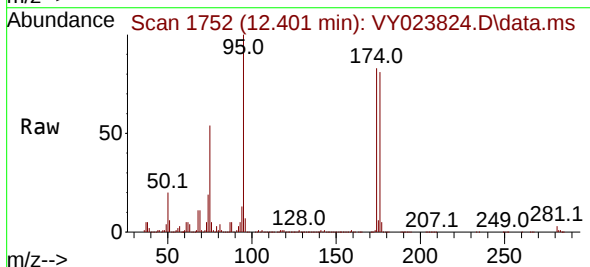
Acq: 26 Nov 2025 14:08

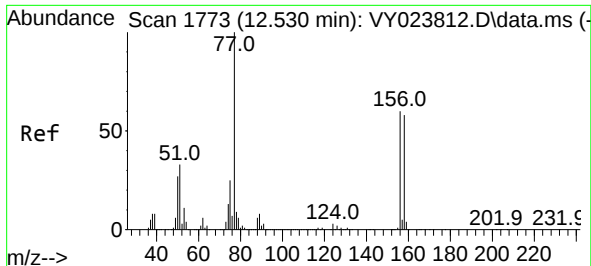
Tgt Ion: 75 Resp: 235888

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

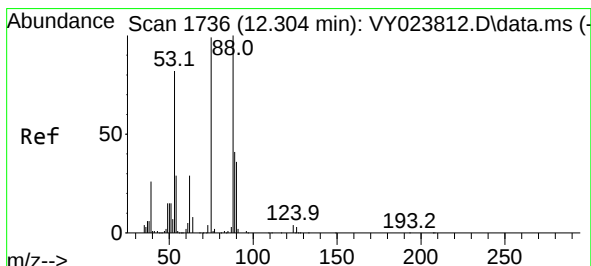
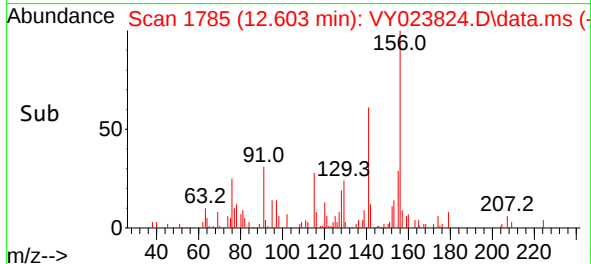
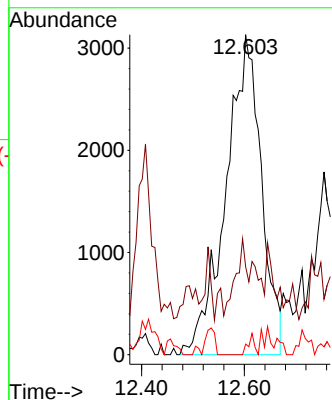
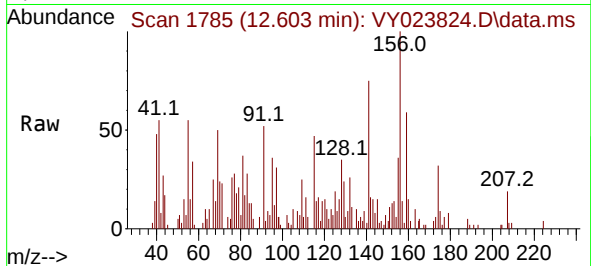




#77
Bromobenzene
Concen: 2.261 ug/l
RT: 12.603 min Scan# 1752
Delta R.T. 0.073 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:156 Resp: 15007
Ion Ratio Lower Upper
156 100
77 7.4 90.8 272.3#
158 1.1 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.182 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 75 Resp: 235888
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 37.0 55.4#

