

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022109.D
 Acq On : 01 May 2025 16:04
 Operator : SY/MD
 Sample : Q1914-03
 Misc : 8.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

Quant Time: May 02 01:31:07 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)

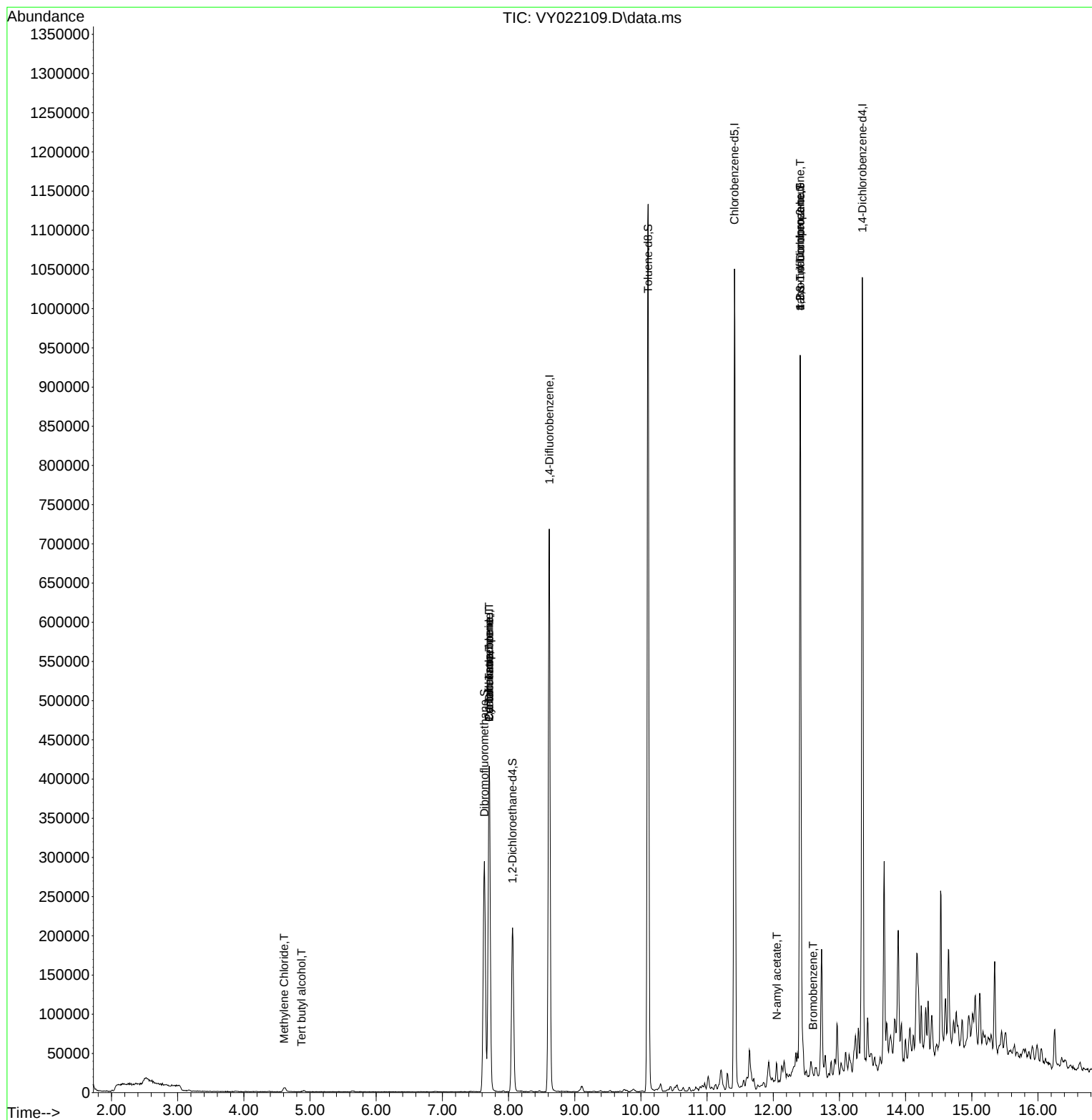
Internal Standards						
1) Pentafluorobenzene	7.707	168	334804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	631024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	599039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	258914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169383	54.772	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.634	113	210852	50.578	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.160%	
50) Toluene-d8	10.109	98	758927	48.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.580%	
62) 4-Bromofluorobenzene	12.408	95	254119	48.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	197	1.160	ug/l #	70
16) Acetone	3.872	43	709	Below Cal	#	41
20) Methylene Chloride	4.610	84	4231	1.082	ug/l	90
31) Cyclohexane	7.707	56	6138	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22800	4.071	ug/l #	47
38) Carbon Tetrachloride	7.707	117	32340	4.833	ug/l #	16
74) N-amyl acetate	12.054	43	5149	1.733	ug/l #	73
76) 1,2,3-Trichloropropane	12.408	75	125102	56.410	ug/l #	100
77) Bromobenzene	12.603	156	9253	2.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	125102	135.844	ug/l #	16

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

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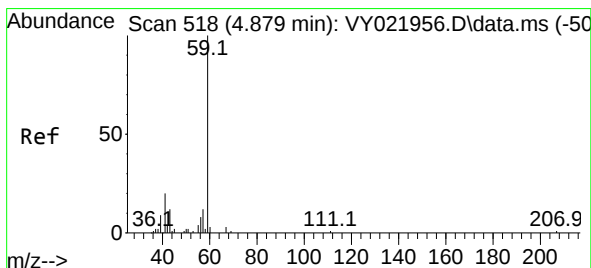
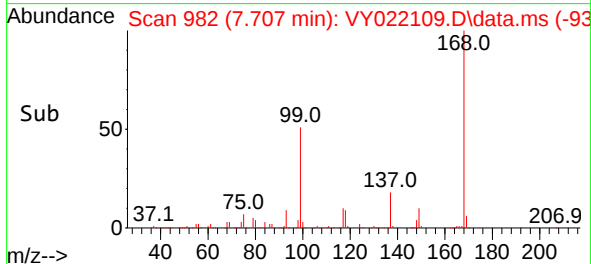
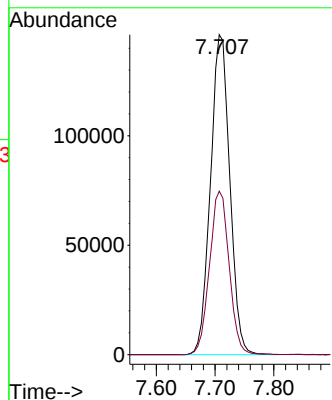
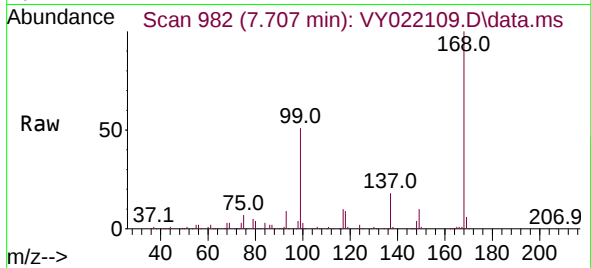




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

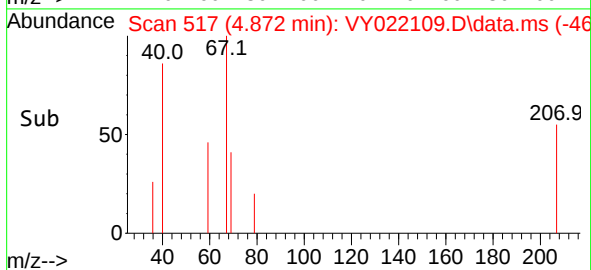
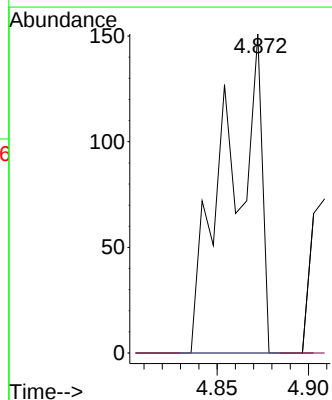
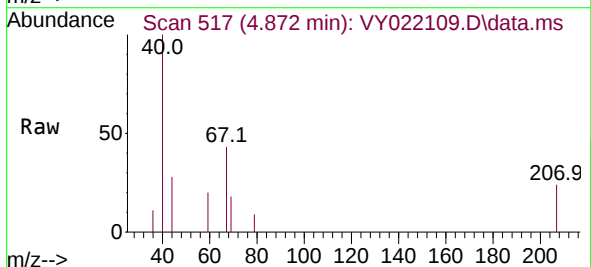
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

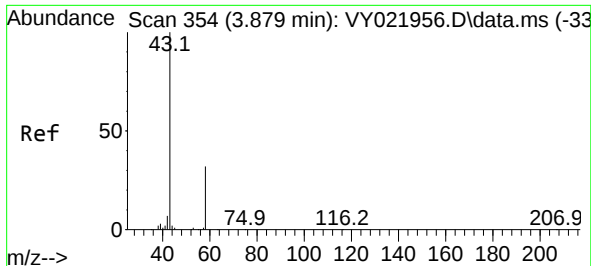
Tgt Ion:168 Resp: 334804
Ion Ratio Lower Upper
168 100
99 51.1 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.160 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

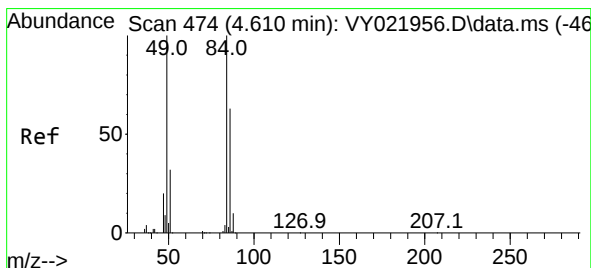
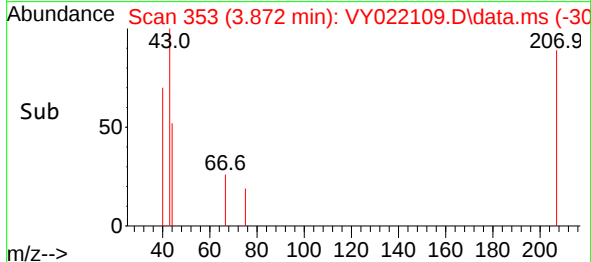
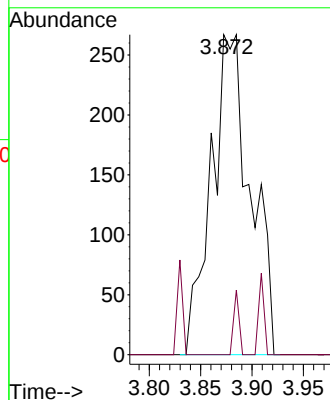
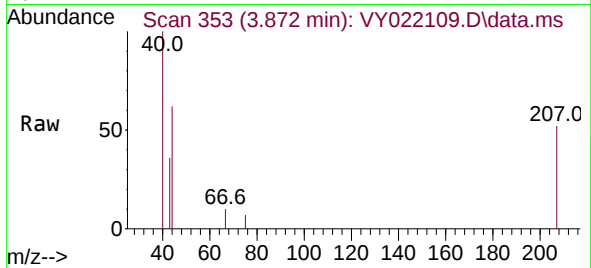




#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

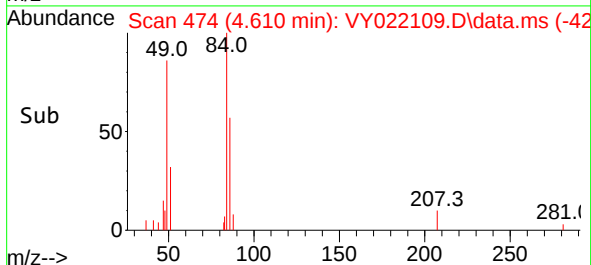
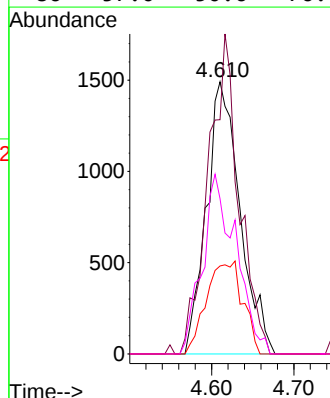
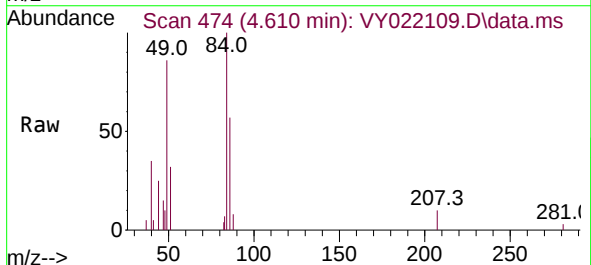
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

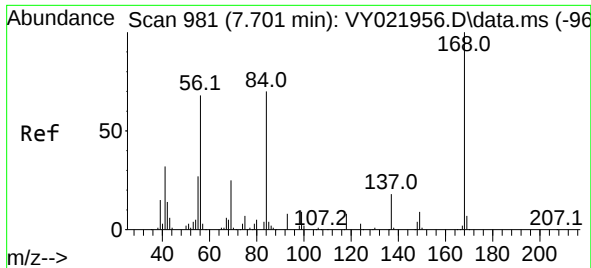
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: 1.082 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

Tgt Ion: 84 Resp: 4231
Ion Ratio Lower Upper
84 100
49 86.0 79.9 119.9
51 32.3 25.4 38.0
86 57.0 50.6 76.0

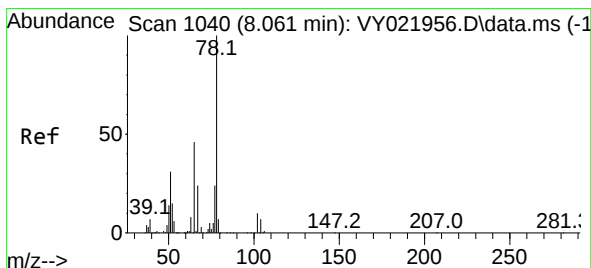
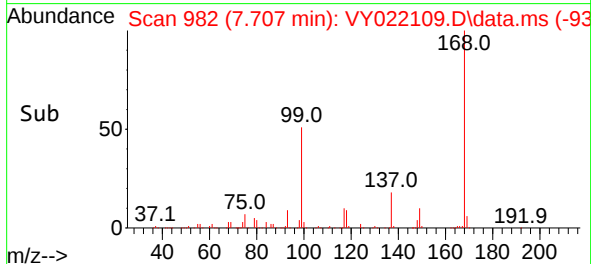
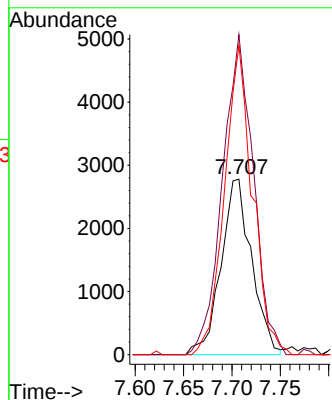
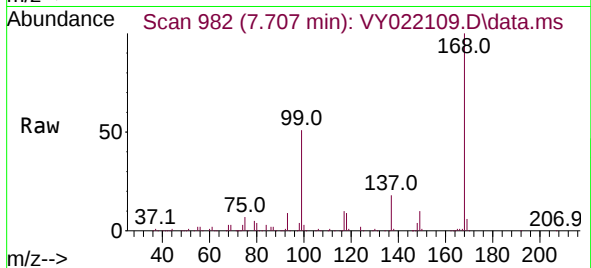




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

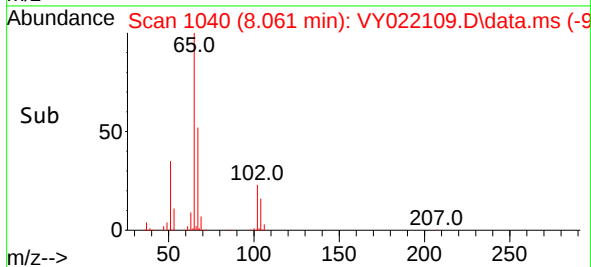
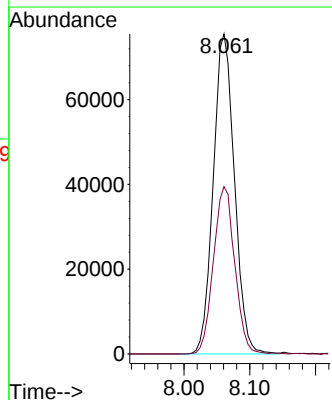
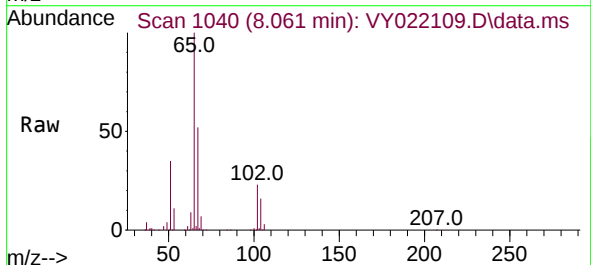
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

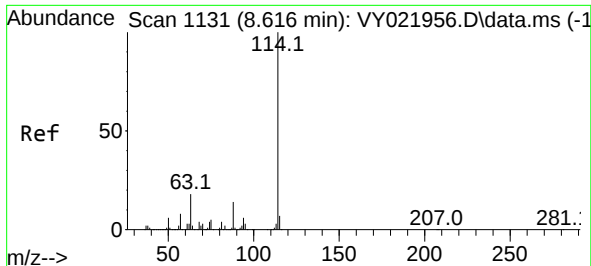
Tgt Ion: 56 Resp: 6138
Ion Ratio Lower Upper
56 100
69 182.3 29.4 44.2#
84 176.2 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 54.772 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

Tgt Ion: 65 Resp: 169383
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

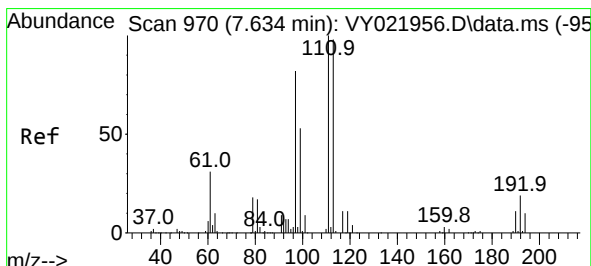
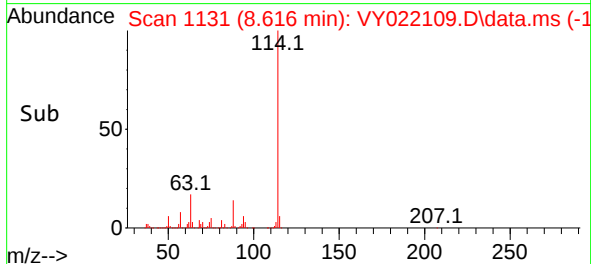
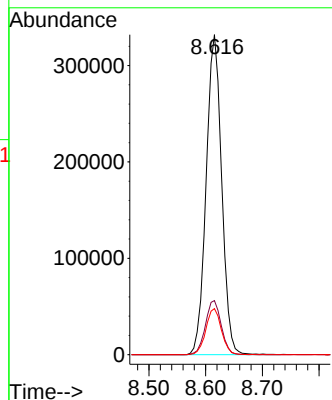
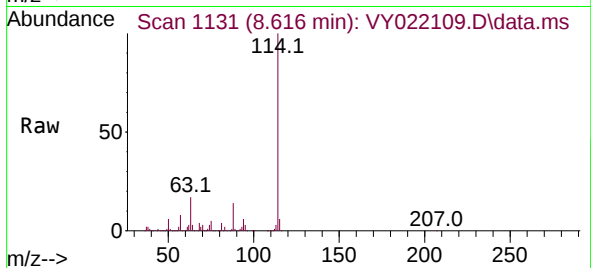




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

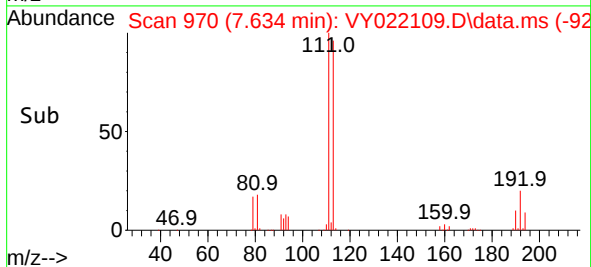
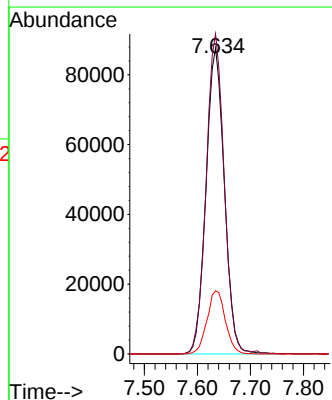
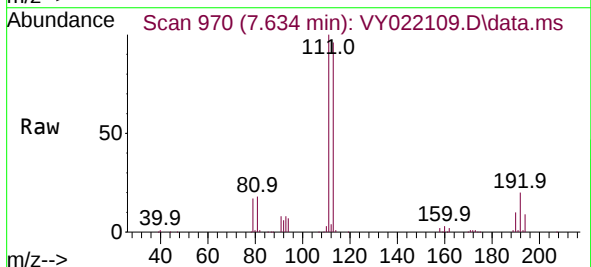
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

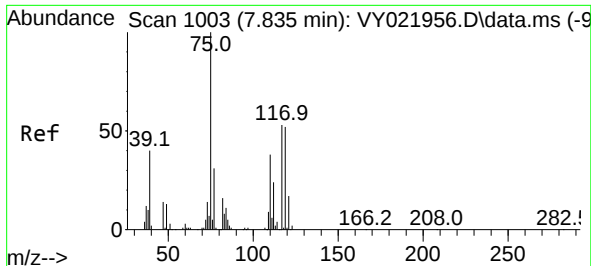
Tgt Ion:114 Resp: 631024
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.4
88 14.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.578 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

Tgt Ion:113 Resp: 210852
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 20.7 15.6 23.4

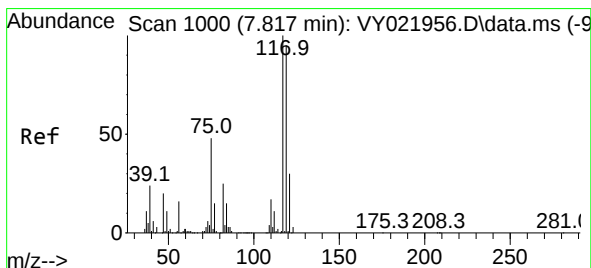
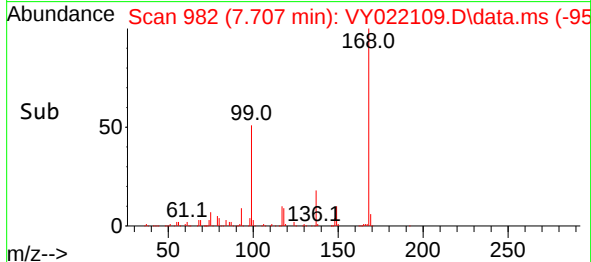
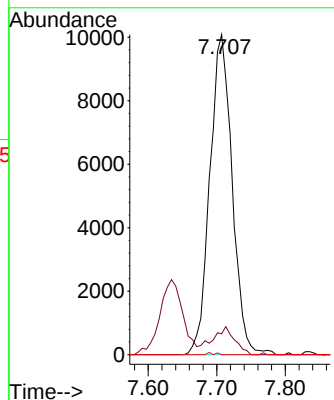
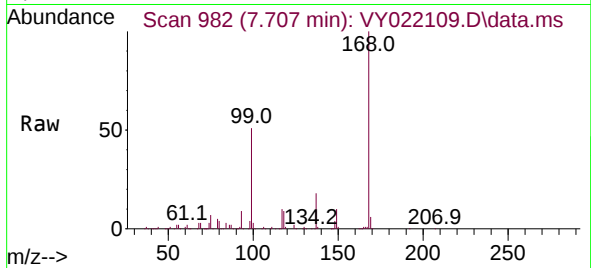




#36
 1,1-Dichloropropene
 Concen: 4.071 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022109.D
 Acq: 01 May 2025 16:04

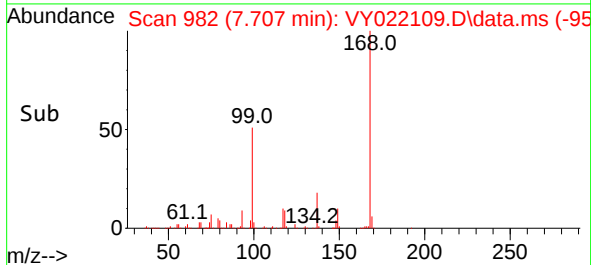
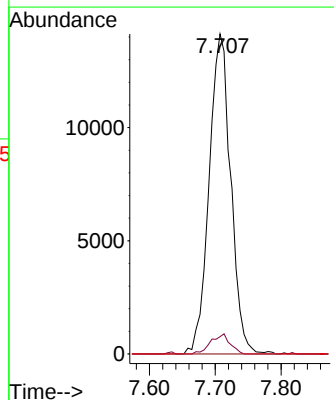
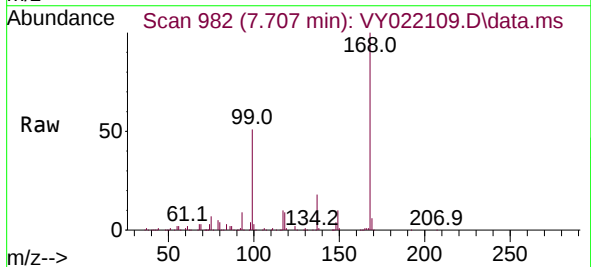
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

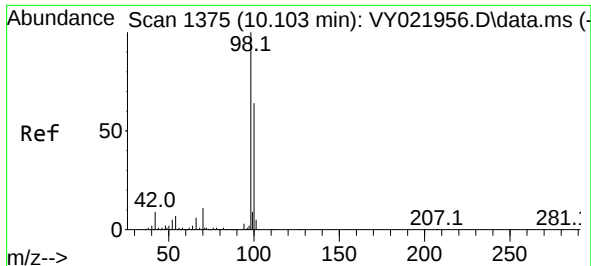
Tgt Ion: 75 Resp: 22800
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.833 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022109.D
 Acq: 01 May 2025 16:04

Tgt Ion: 117 Resp: 32340
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.4#
 121 0.0 24.0 36.0#

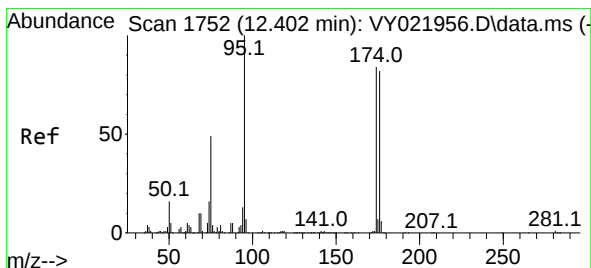
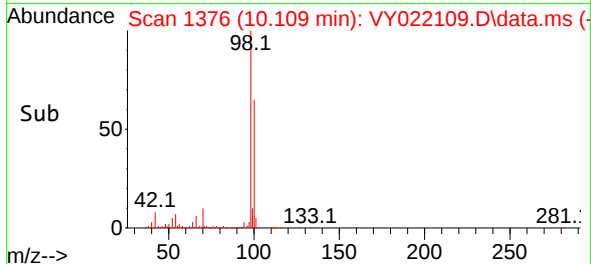
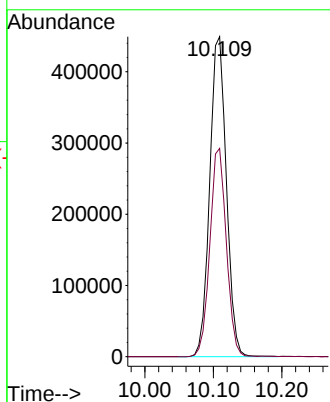
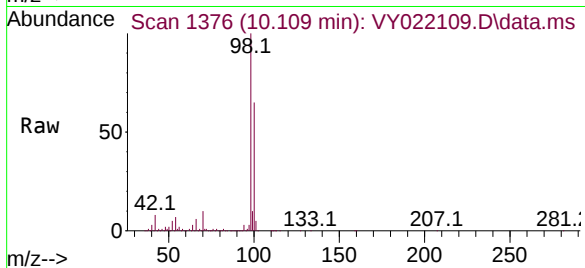




#50
Toluene-d8
Concen: 48.288 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

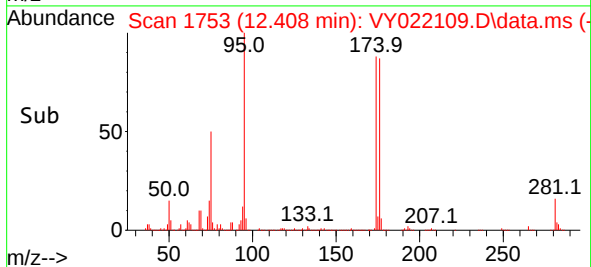
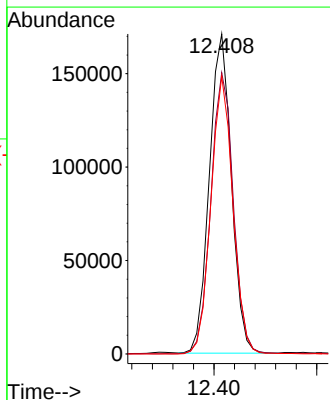
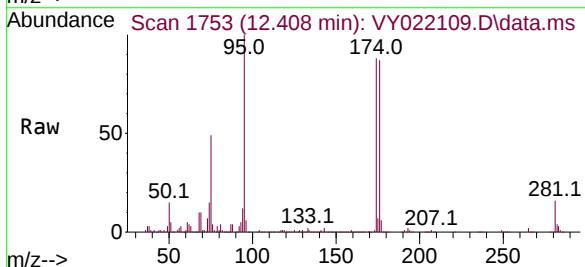
Instrument :
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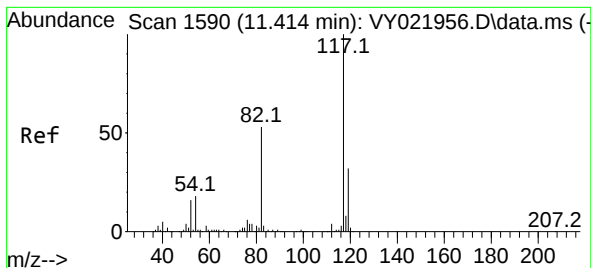
Tgt Ion: 98 Resp: 758927
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.030 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022109.D
Acq: 01 May 2025 16:04

Tgt Ion: 95 Resp: 254119
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 86.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022109.D

Acq: 01 May 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

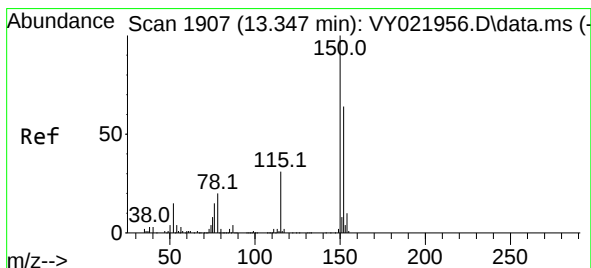
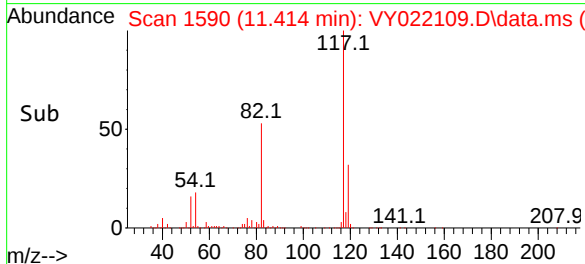
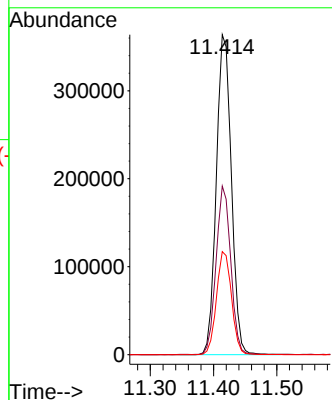
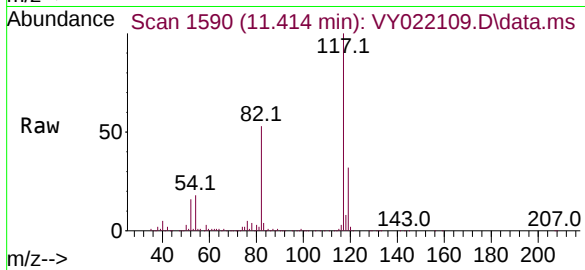
Tgt Ion:117 Resp: 599039

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

119 32.2 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: VY022109.D

Acq: 01 May 2025 16:04

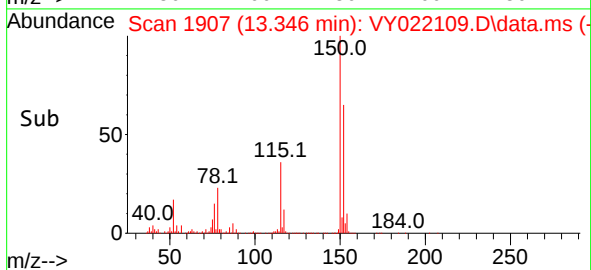
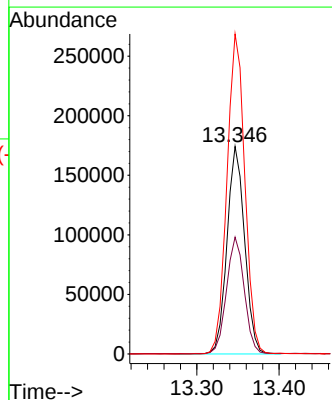
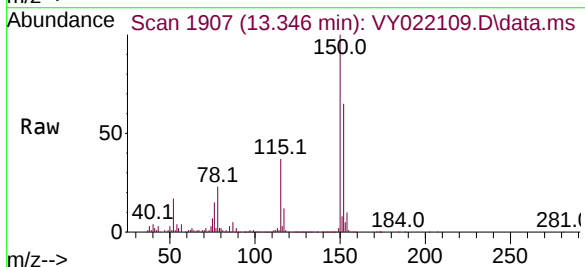
Tgt Ion:152 Resp: 258914

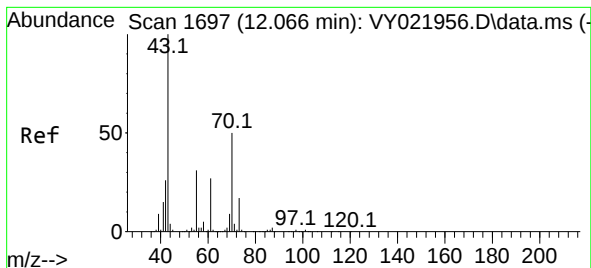
Ion Ratio Lower Upper

152 100

115 56.7 28.0 84.0

150 156.7 0.0 345.6





#74

N-amy1 acetate

Concen: 1.733 ug/l

RT: 12.054 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022109.D

Acq: 01 May 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

Tgt Ion: 43 Resp: 5149

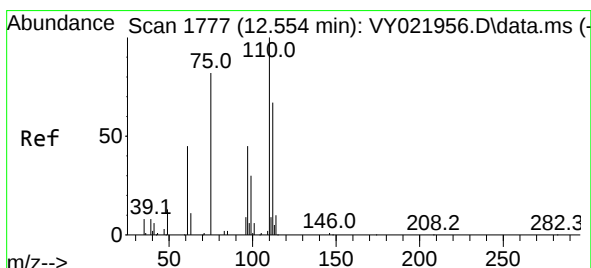
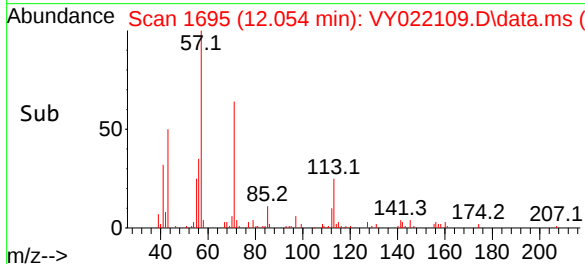
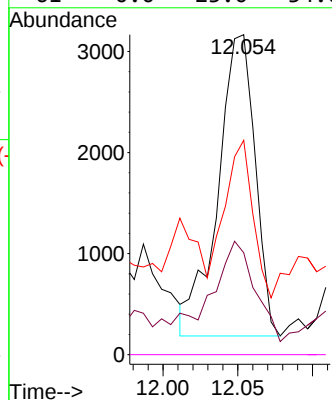
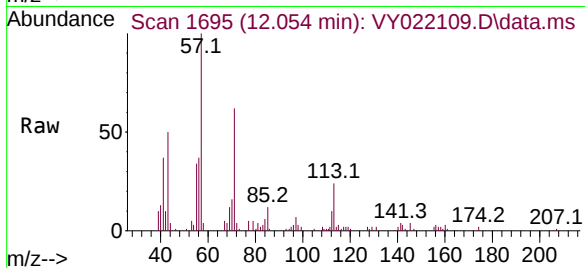
Ion Ratio Lower Upper

43 100

70 39.2 43.2 64.8#

55 39.6 25.7 38.5#

61 0.0 23.0 34.6#



#76

1,2,3-Trichloropropane

Concen: 56.410 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022109.D

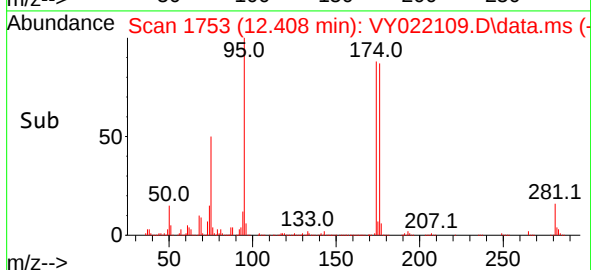
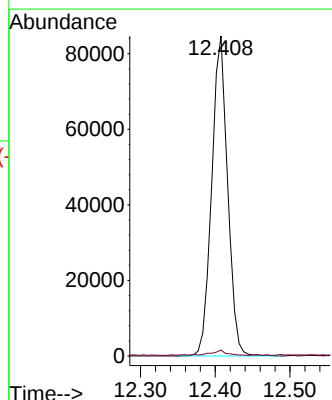
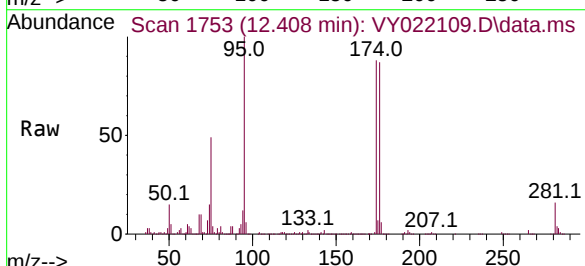
Acq: 01 May 2025 16:04

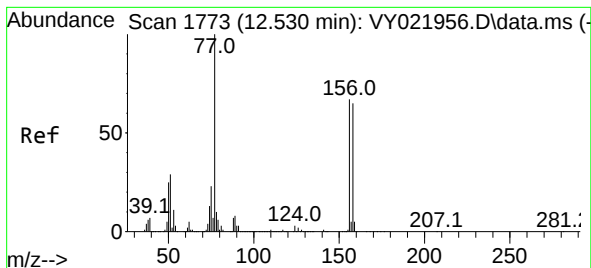
Tgt Ion: 75 Resp: 125102

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#77

Bromobenzene

Concen: 2.117 ug/l

RT: 12.603 min Scan# 1753

Delta R.T. 0.073 min

Lab File: VY022109.D

Acq: 01 May 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

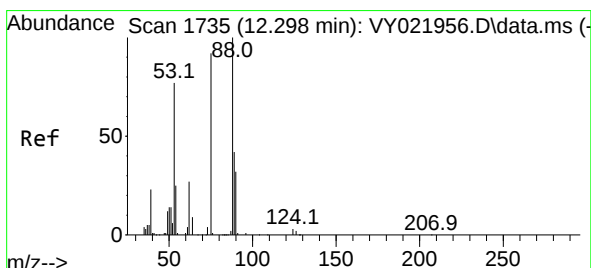
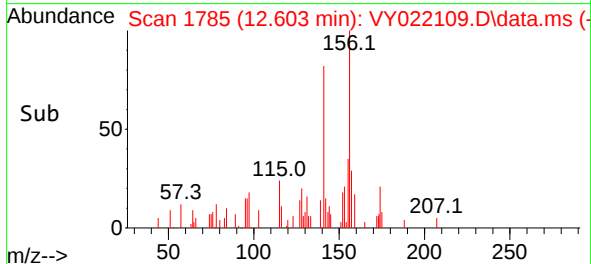
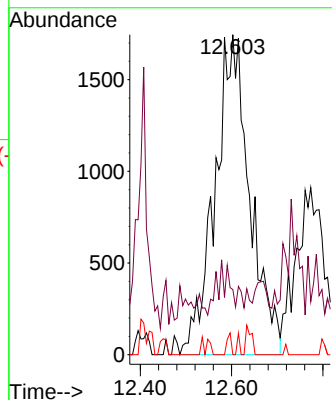
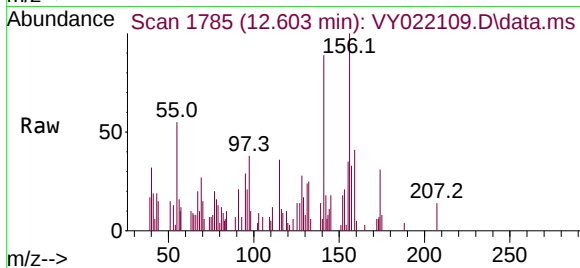
Tgt Ion:156 Resp: 9253

Ion Ratio Lower Upper

156 100

77 0.0 82.7 248.1#

158 0.8 48.1 144.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.844 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022109.D

Acq: 01 May 2025 16:04

Tgt Ion: 75 Resp: 125102

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.5 37.2 55.8#

