

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021369.D
 Acq On : 27 Feb 2025 19:29
 Operator : SY/MD
 Sample : Q1448-04
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P3

Quant Time: Feb 28 00:44:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

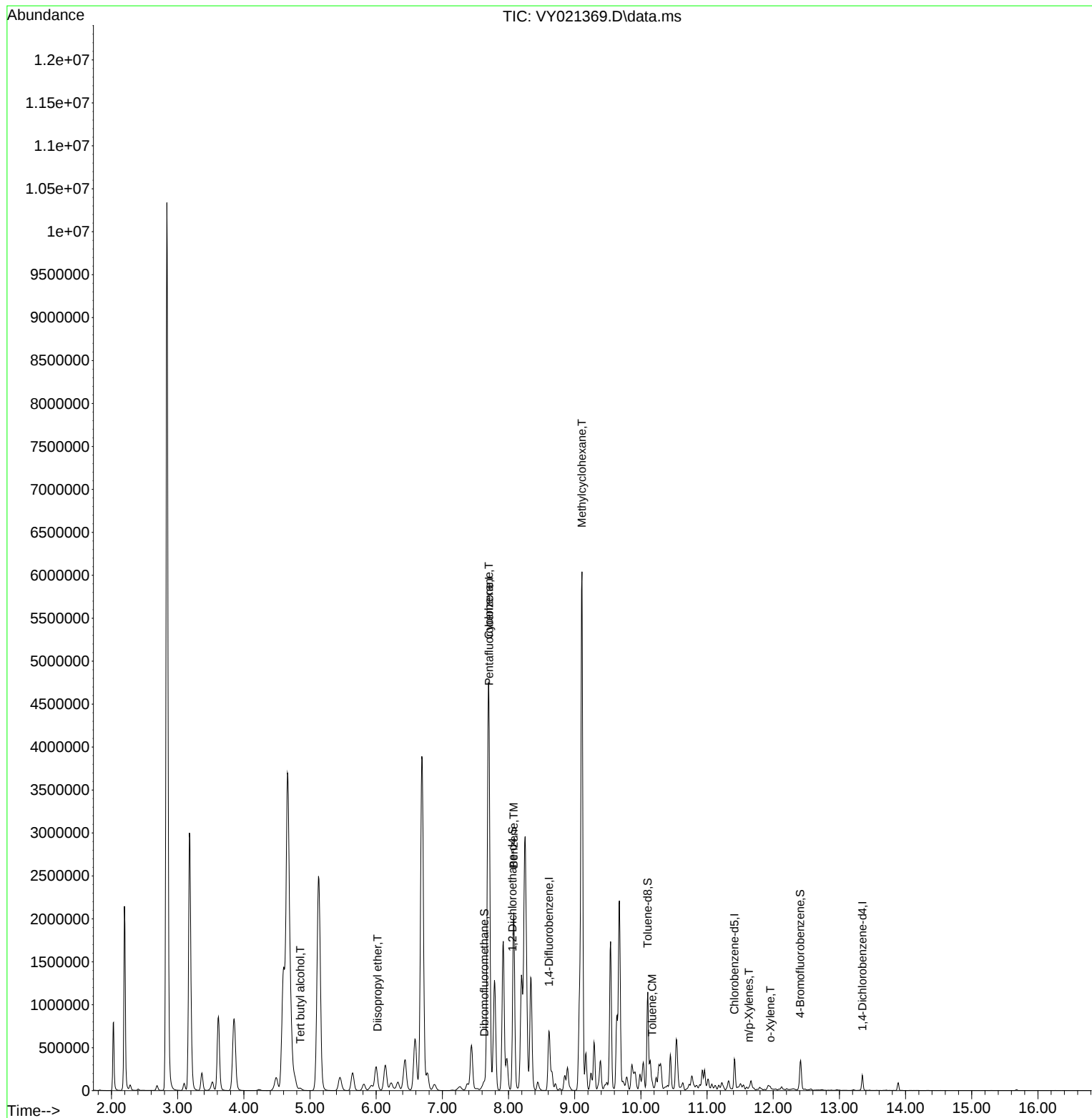
Internal Standards						
1) Pentafluorobenzene	7.707	168	116202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	199239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	161221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	42795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66778	50.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.320%
35) Dibromofluoromethane	7.634	113	65580	50.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.420%
50) Toluene-d8	10.103	98	268179	53.124	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.240%
62) 4-Bromofluorobenzene	12.408	95	60362	35.529	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.060%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.854	59	47017	463.704	ug/l	# 72
22) Diisopropyl ether	6.019	45	31233	7.281	ug/l	94
31) Cyclohexane	7.701	56	2577430	1109.012	ug/l	98
39) Methylcyclohexane	9.110	83	2385301	961.158	ug/l	99
40) Benzene	8.079	78	1986204	342.443	ug/l	100
52) Toluene	10.170	92	34037	9.446	ug/l	98
68) m/p-Xylenes	11.633	106	5793	2.403	ug/l	96
69) o-Xylene	11.957	106	7367	3.262	ug/l	91

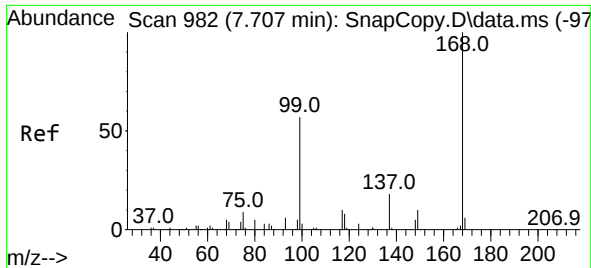
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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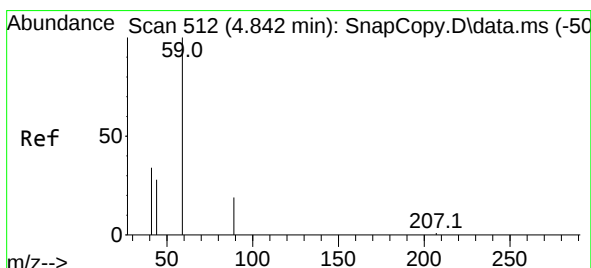
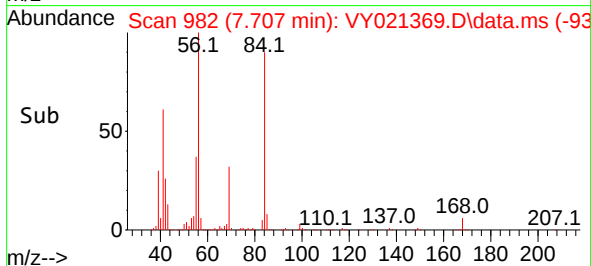
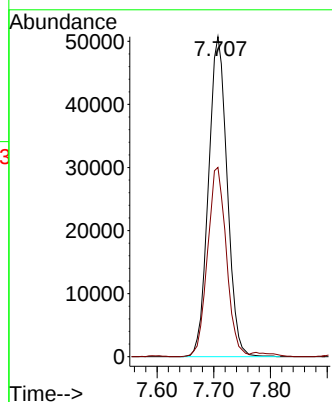
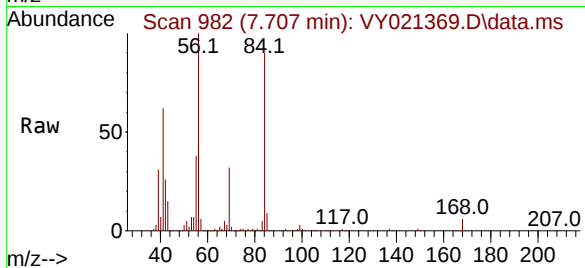




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

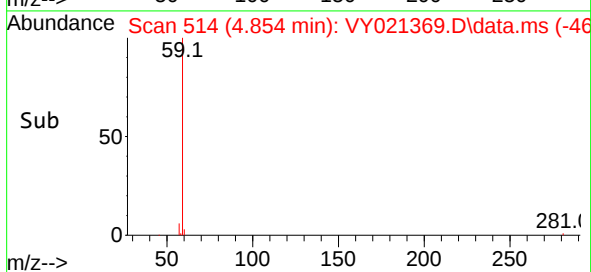
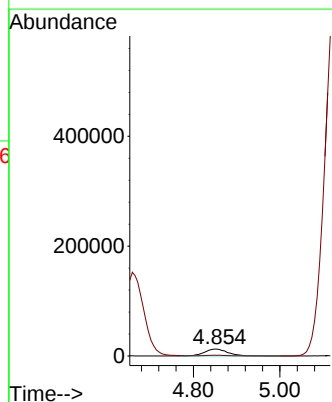
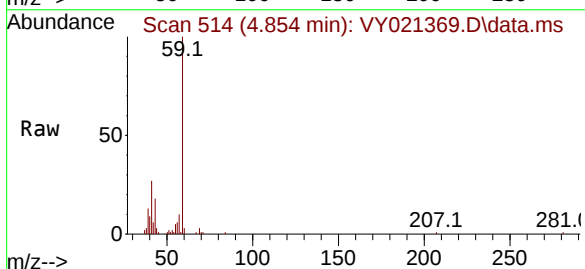
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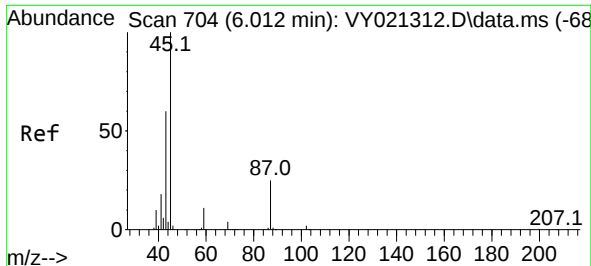
Tgt Ion:168 Resp: 116202
Ion Ratio Lower Upper
168 100
99 59.2 47.1 70.7



#11
Tert butyl alcohol
Concen: 463.704 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

Tgt Ion: 59 Resp: 47017
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

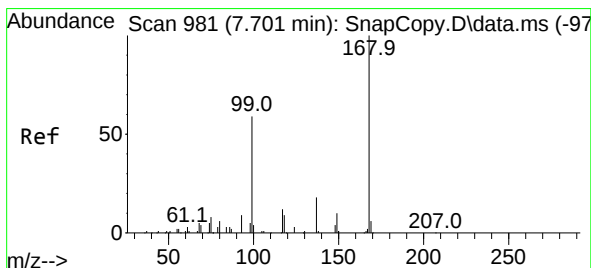
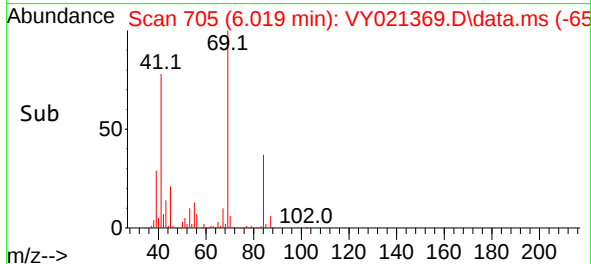
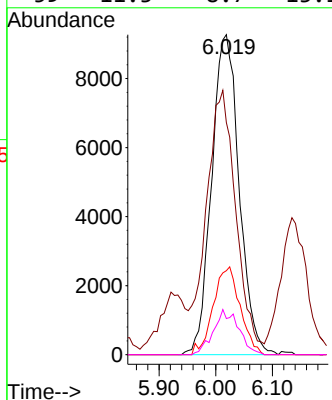
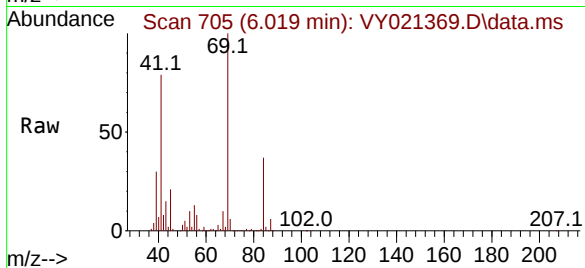




#22
Diisopropyl ether
Concen: 7.281 ug/l
RT: 6.019 min Scan# 704
Delta R.T. 0.006 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

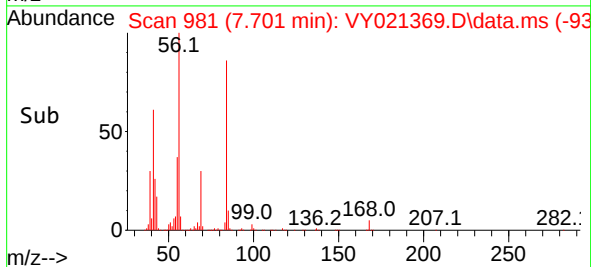
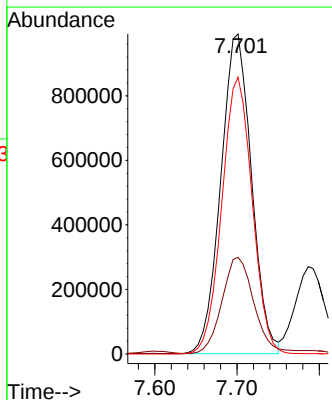
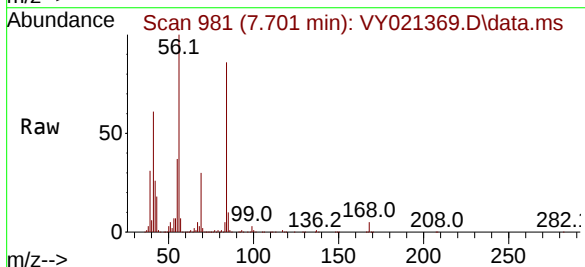
Instrument :
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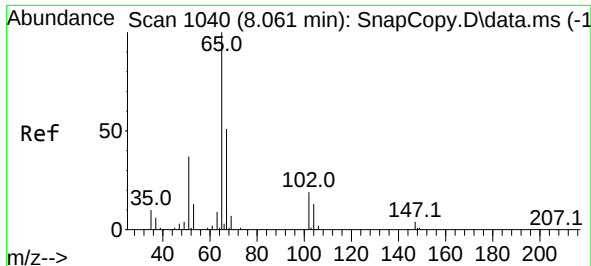
Tgt Ion:	45	Resp:	31233
Ion	Ratio	Lower	Upper
45	100		
43	53.9	48.2	72.4
87	26.3	20.3	30.5
59	11.3	8.7	13.1



#31
Cyclohexane
Concen: 1109.012 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

Tgt Ion:	56	Resp:	2577430
Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.2	39.4
84	86.5	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 50.658 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

Instrument :

MSVOA_Y

ClientSampleId :

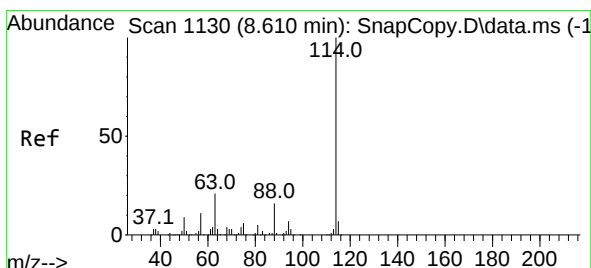
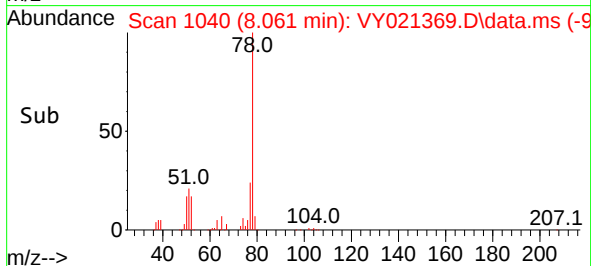
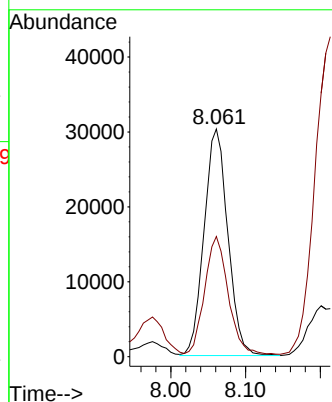
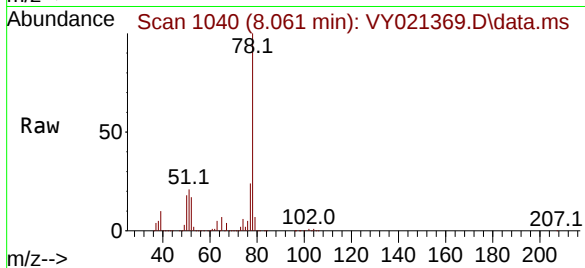
P3

Tgt Ion: 65 Resp: 66778

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

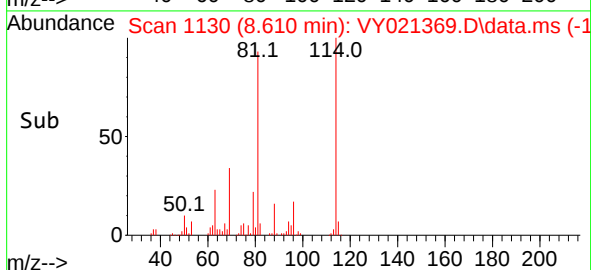
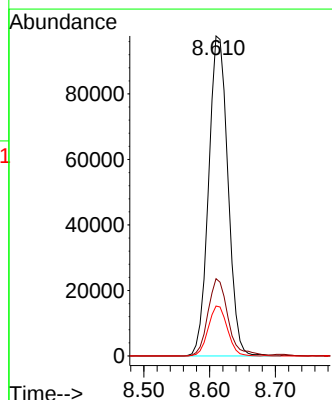
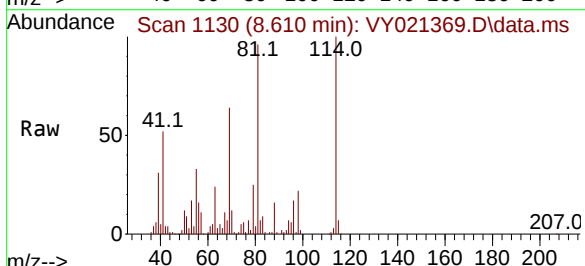
Tgt Ion:114 Resp: 199239

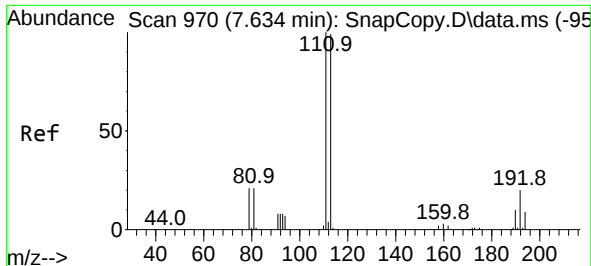
Ion Ratio Lower Upper

114 100

63 24.2 0.0 42.2

88 15.6 0.0 29.8

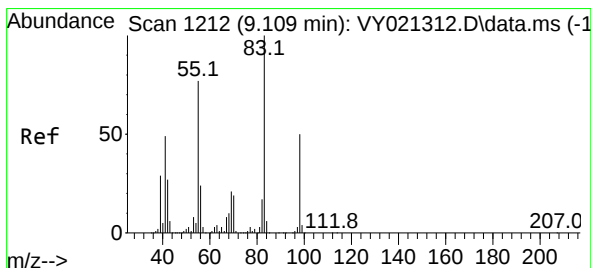
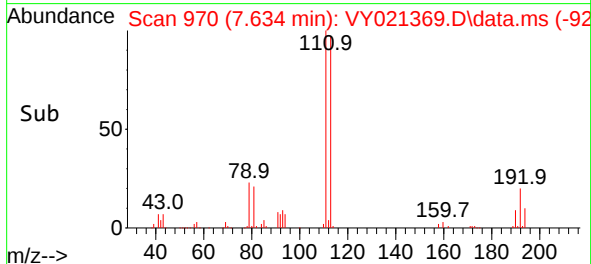
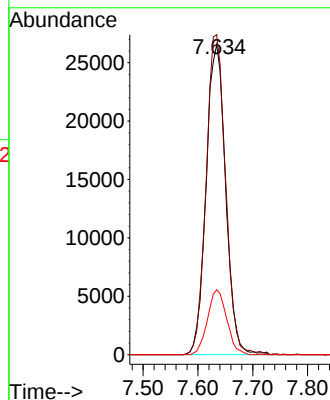
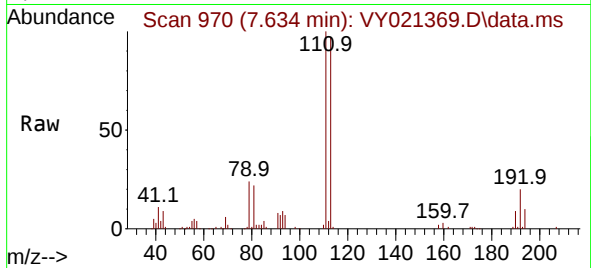




#35
Dibromofluoromethane
Concen: 50.206 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

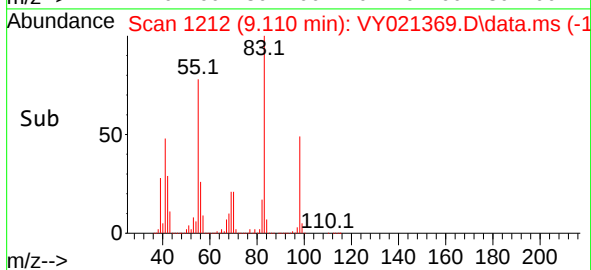
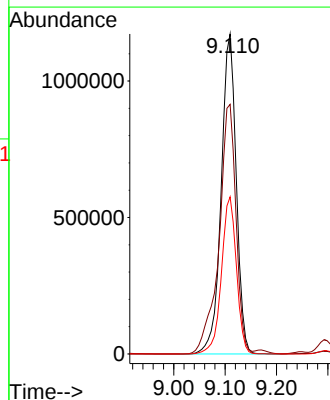
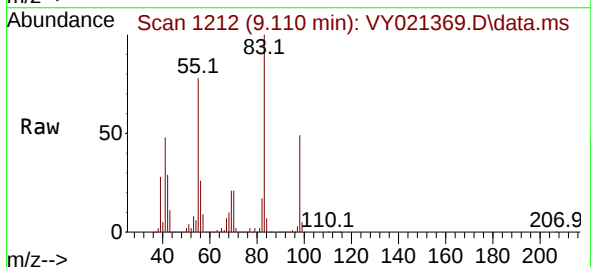
Instrument :
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ClientSampleId :
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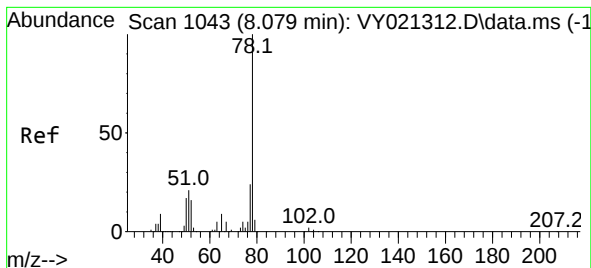
Tgt Ion:113 Resp: 65580
Ion Ratio Lower Upper
113 100
111 102.5 81.0 121.6
192 20.7 15.8 23.8



#39
Methylcyclohexane
Concen: 961.158 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

Tgt Ion: 83 Resp: 2385301
Ion Ratio Lower Upper
83 100
55 78.0 61.3 91.9
98 49.1 39.9 59.9





#40

Benzene

Concen: 342.443 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

Instrument :

MSVOA_Y

ClientSampleId :

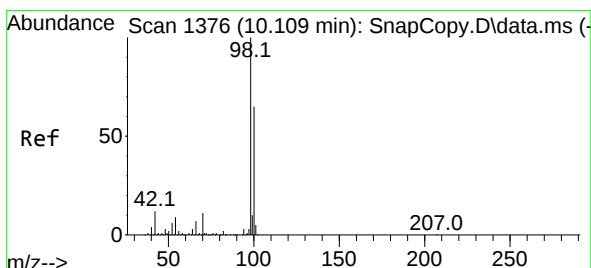
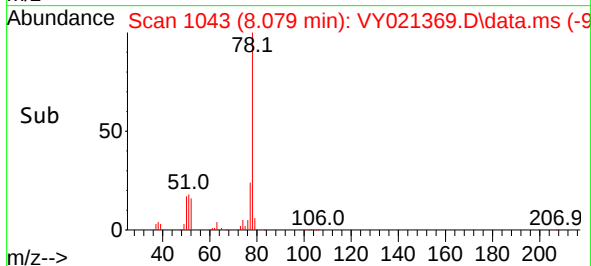
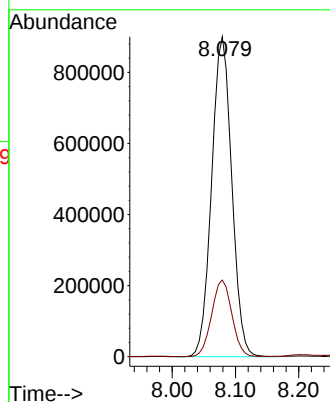
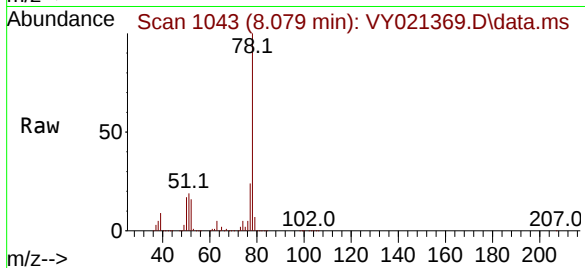
P3

Tgt Ion: 78 Resp: 1986204

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8



#50

Toluene-d8

Concen: 53.124 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021369.D

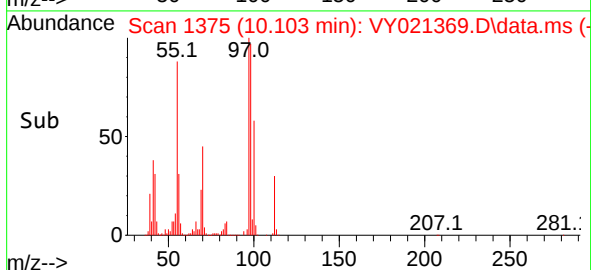
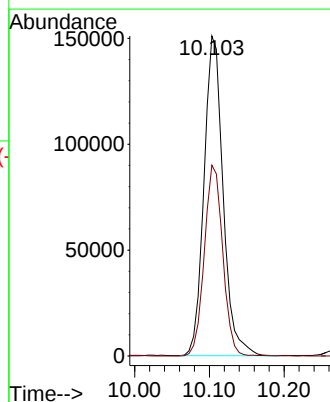
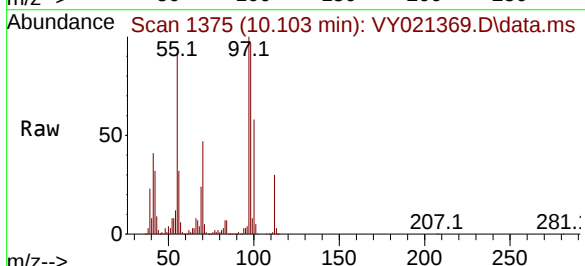
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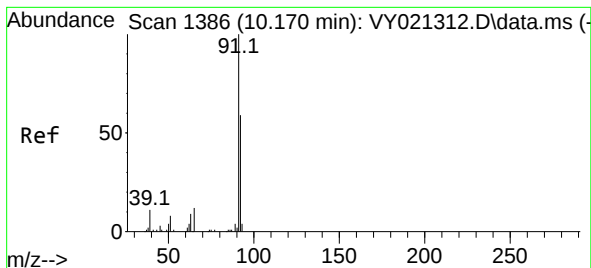
Tgt Ion: 98 Resp: 268179

Ion Ratio Lower Upper

98 100

100 57.4 52.4 78.6





#52

Toluene

Concen: 9.446 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

Instrument :

MSVOA_Y

ClientSampleId :

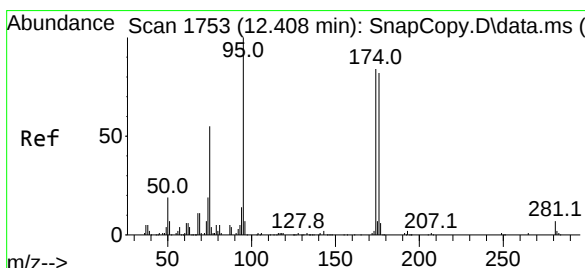
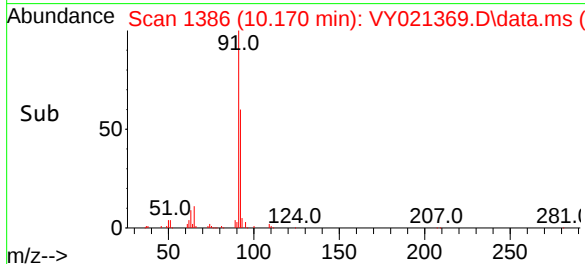
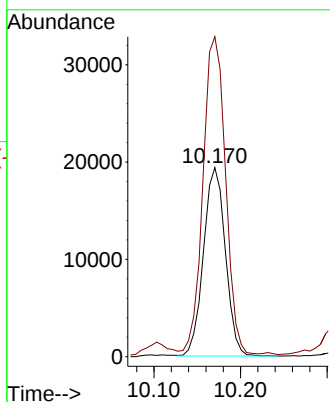
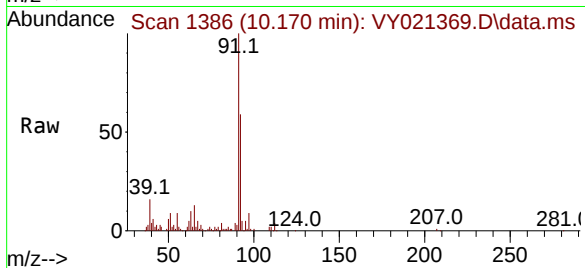
P3

Tgt Ion: 92 Resp: 34037

Ion Ratio Lower Upper

92 100

91 175.4 137.8 206.8



#62

4-Bromofluorobenzene

Concen: 35.529 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

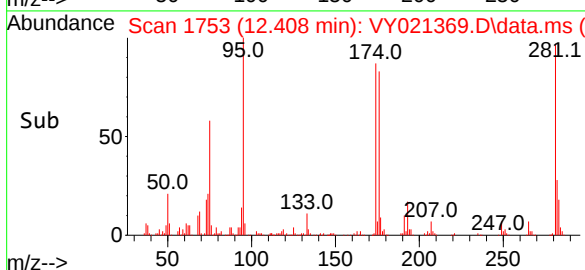
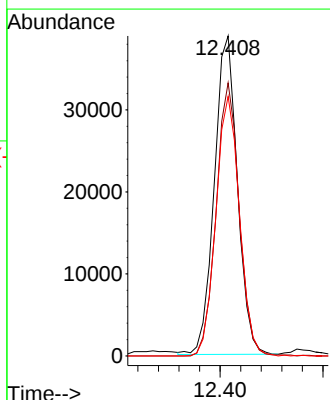
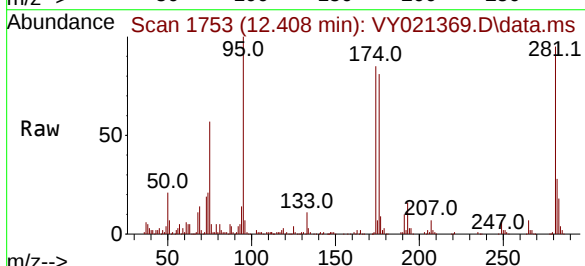
Tgt Ion: 95 Resp: 60362

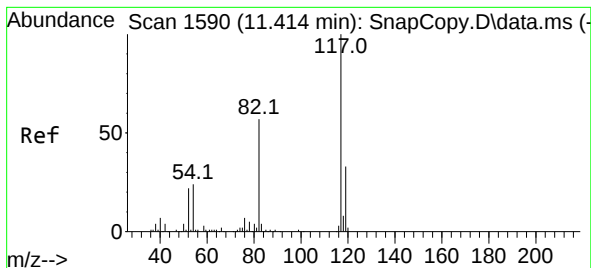
Ion Ratio Lower Upper

95 100

174 85.5 0.0 168.0

176 83.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021369.D

Acq: 27 Feb 2025 19:29

Instrument :

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ClientSampleId :

P3

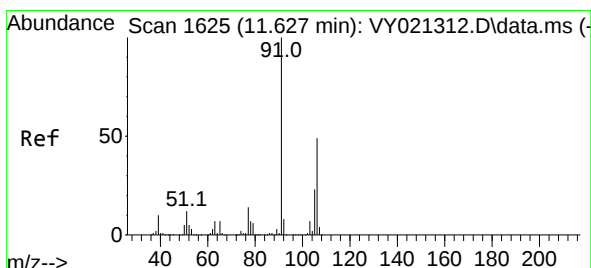
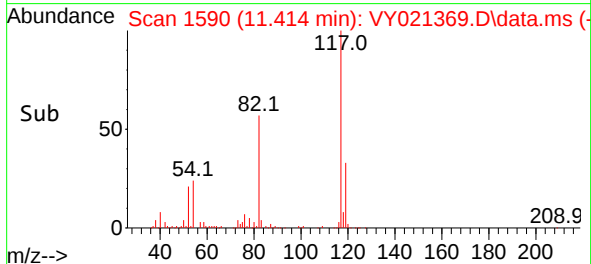
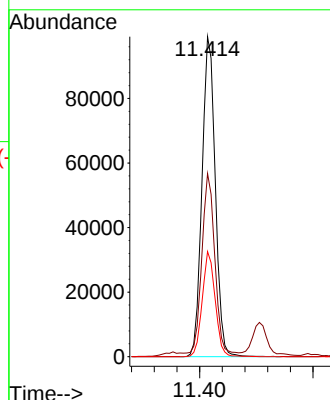
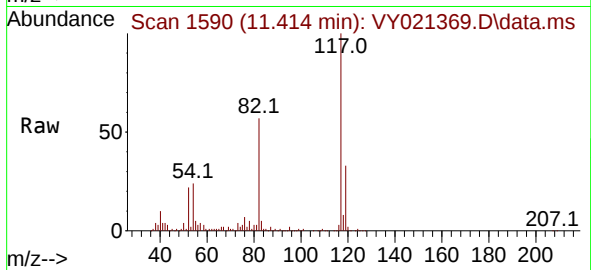
Tgt Ion:117 Resp: 161221

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.4

119 32.9 24.9 37.3



#68

m/p-Xylenes

Concen: 2.403 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021369.D

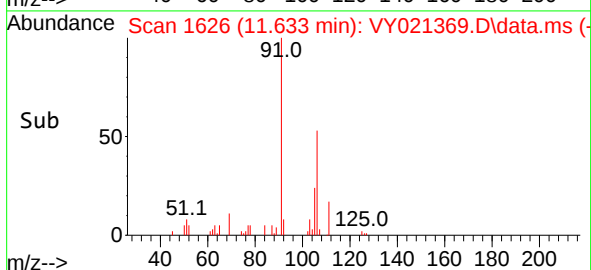
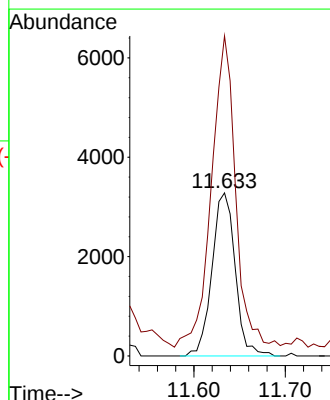
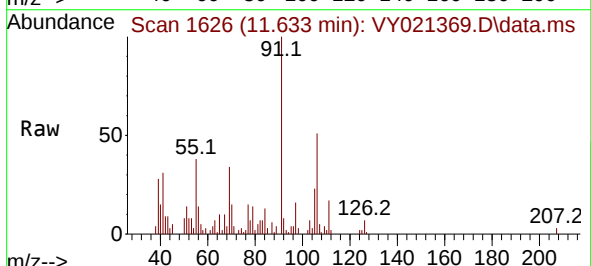
Acq: 27 Feb 2025 19:29

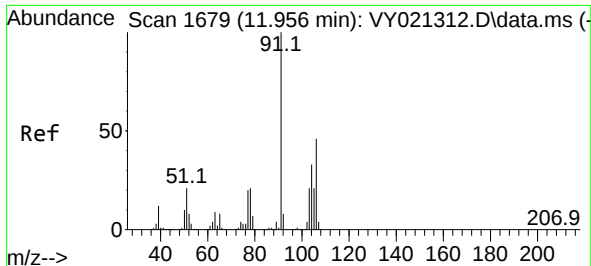
Tgt Ion:106 Resp: 5793

Ion Ratio Lower Upper

106 100

91 198.2 163.9 245.9

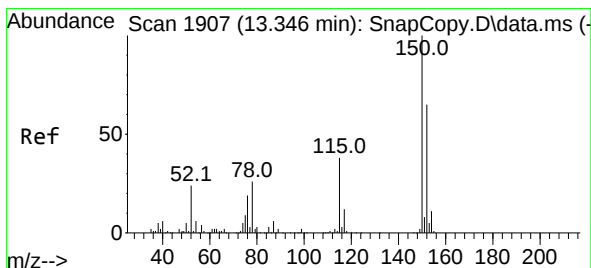
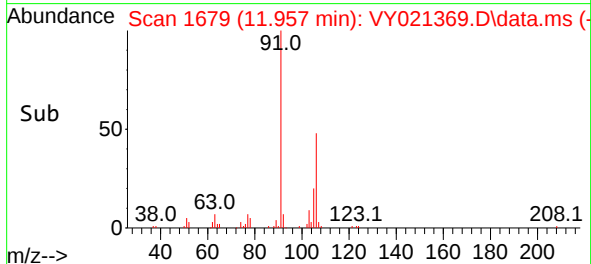
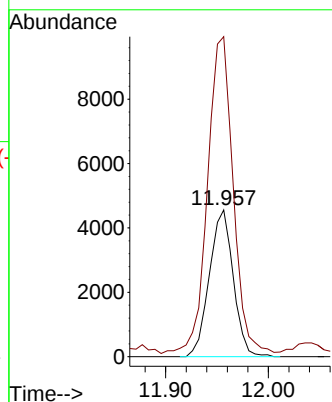
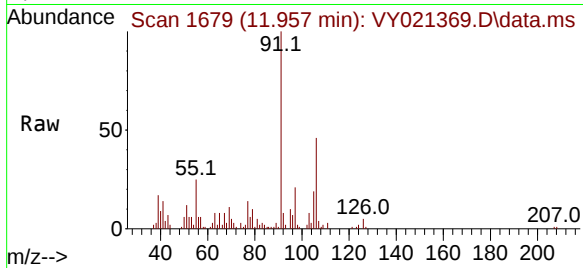




#69
o-Xylene
Concen: 3.262 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
P3

Tgt Ion:106 Resp: 7367
Ion Ratio Lower Upper
106 100
91 230.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021369.D
Acq: 27 Feb 2025 19:29

Tgt Ion:152 Resp: 42795
Ion Ratio Lower Upper
152 100
115 57.3 29.3 88.0
150 158.4 0.0 347.4

