

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021137.D
 Acq On : 07 Feb 2025 14:15
 Operator : SY/MD
 Sample : Q1288-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-020425

Quant Time: Feb 08 02:41:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

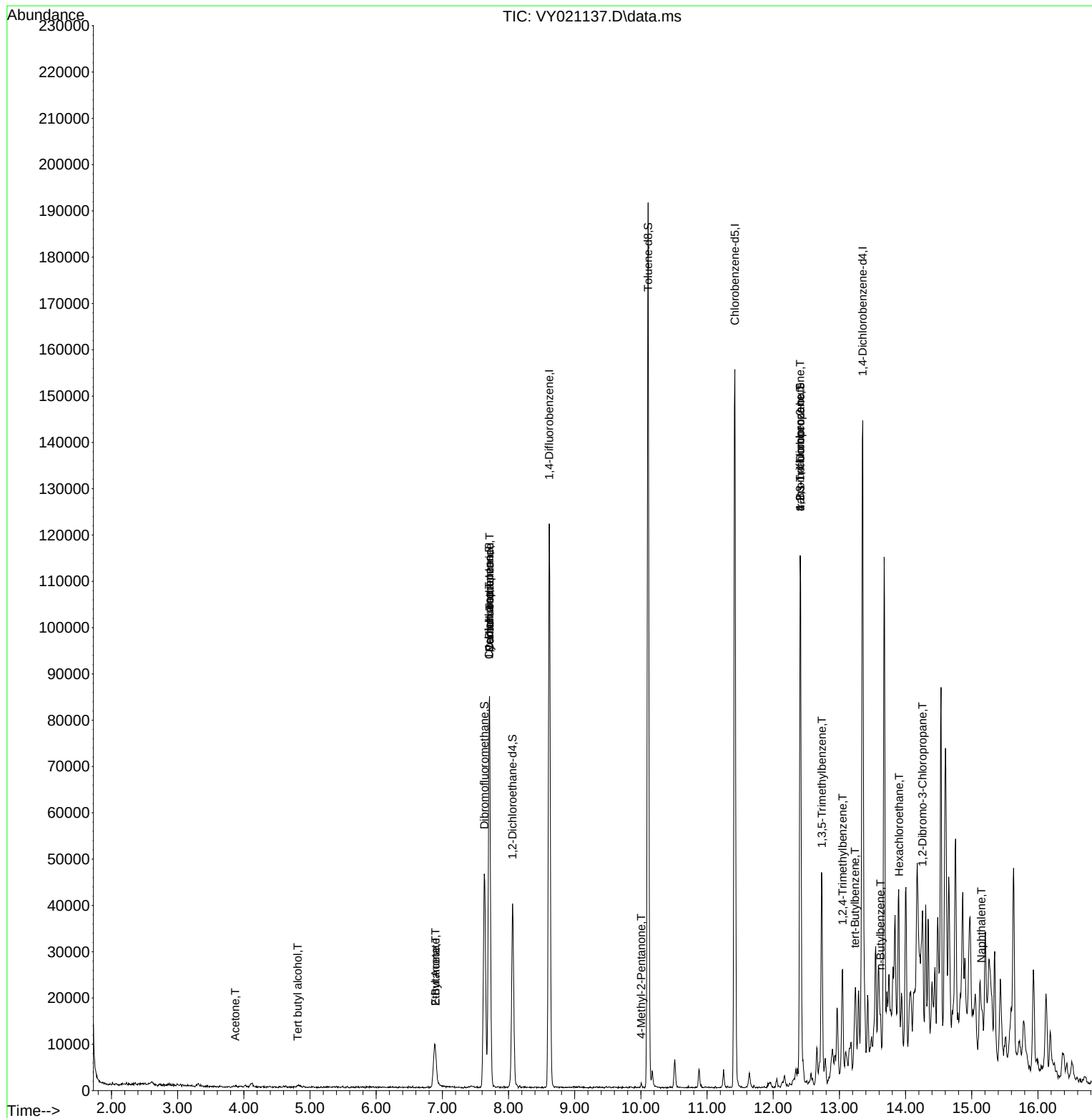
Internal Standards						
1) Pentafluorobenzene	7.713	168	62692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	101062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	82201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	33021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30765	47.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.800%		
35) Dibromofluoromethane	7.634	113	32092	49.550	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.100%		
50) Toluene-d8	10.109	98	117657	47.717	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.440%		
62) 4-Bromofluorobenzene	12.408	95	33255	41.283	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.560%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.811	59	193	4.434	ug/l #	75
16) Acetone	3.873	43	686	6.848	ug/l #	74
25) 2-Butanone	6.896	43	693	4.210	ug/l #	48
31) Cyclohexane	7.707	56	1320	1.205	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	5138	5.356	ug/l #	51
37) Ethyl Acetate	6.896	43	693	1.647	ug/l #	52
38) Carbon Tetrachloride	7.713	117	6777	6.046	ug/l #	14
51) 4-Methyl-2-Pentanone	10.006	43	504	1.199	ug/l #	73
76) 1,2,3-Trichloropropane	12.408	75	17685	59.040	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	2866	1.370	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	17685	120.470	ug/l #	12
83) tert-Butylbenzene	13.237	119	2969	1.562	ug/l	72
84) 1,2,4-Trimethylbenzene	13.048	105	10982	5.371	ug/l	94
89) n-Butylbenzene	13.621	91	2925	1.411	ug/l #	72
90) Hexachloroethane	13.901	117	1203	2.537	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.255	75	78	1.217	ug/l #	1
95) Naphthalene	15.145	128	3467	3.903	ug/l #	81

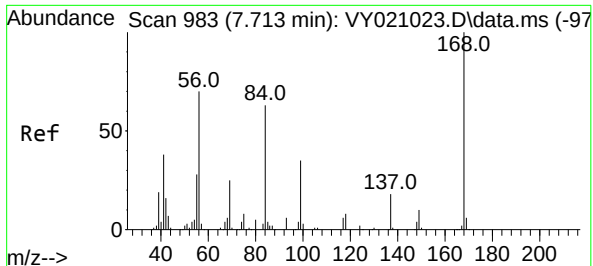
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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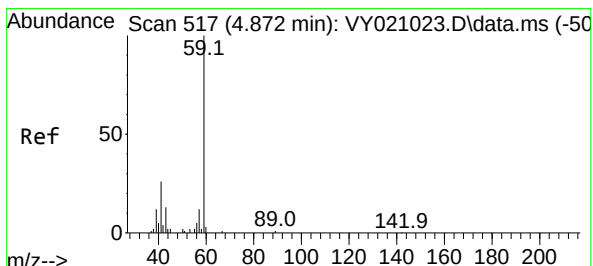
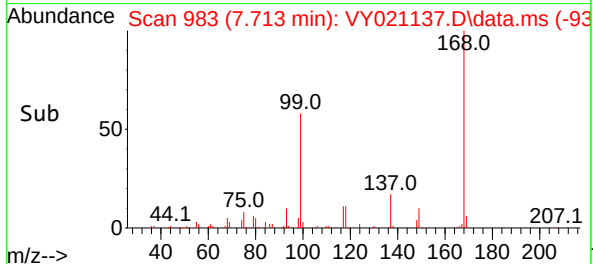
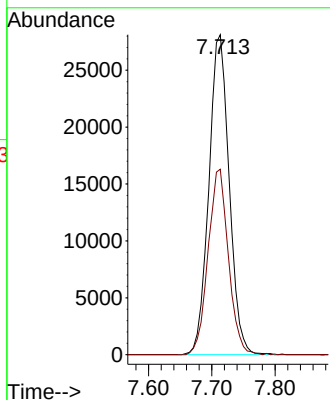
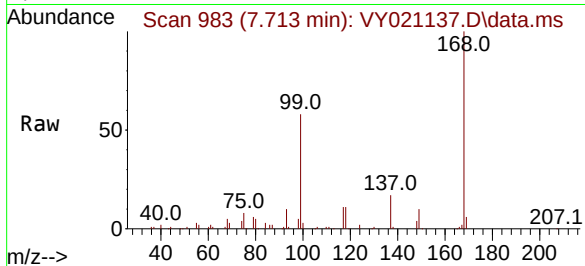




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

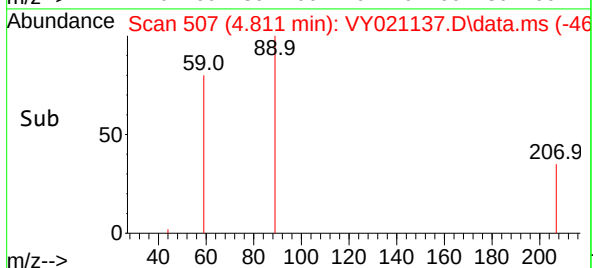
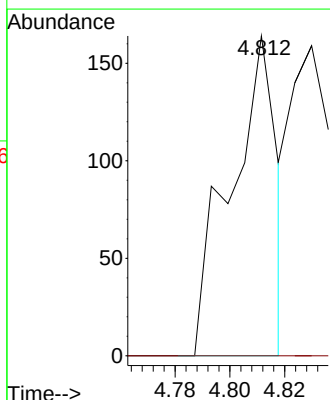
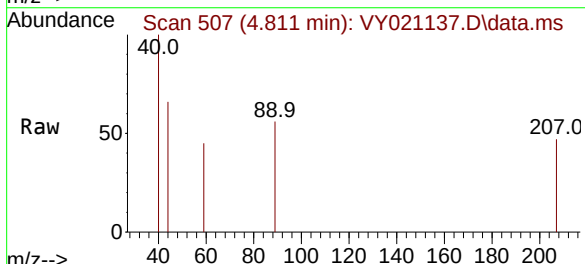
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425

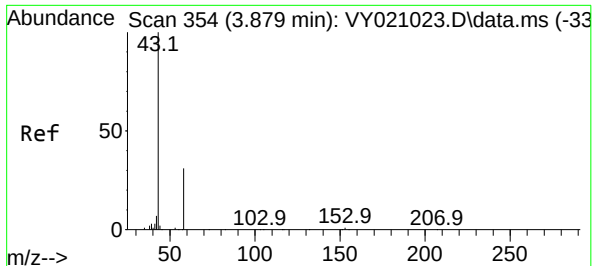
Tgt Ion:168 Resp: 62692
Ion Ratio Lower Upper
168 100
99 58.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.434 ug/l
RT: 4.811 min Scan# 507
Delta R.T. -0.061 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 6.848 ug/l

RT: 3.873 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY021137.D

Acq: 07 Feb 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

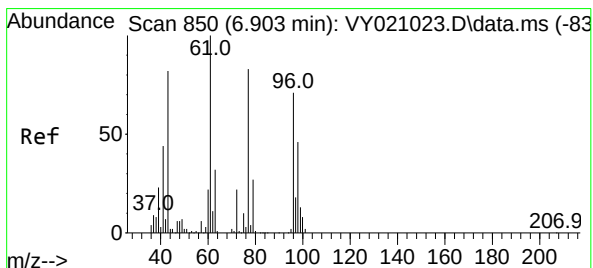
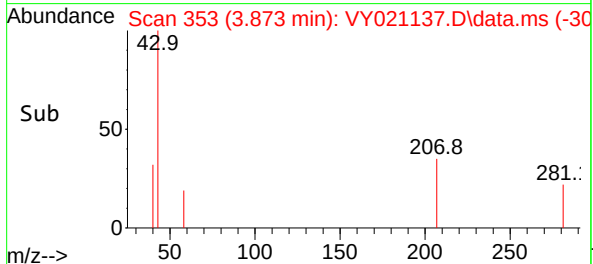
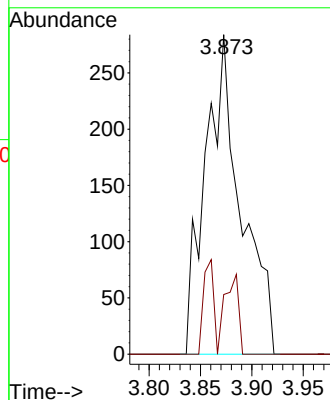
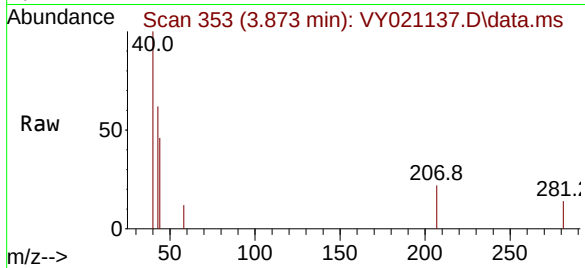
HR-04-020425

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

58 18.7 26.6 39.8#



#25

2-Butanone

Concen: 4.210 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021137.D

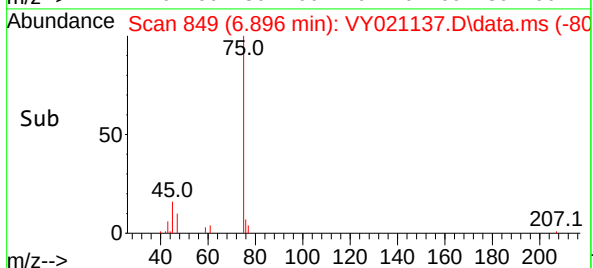
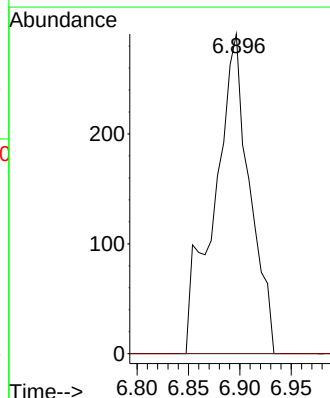
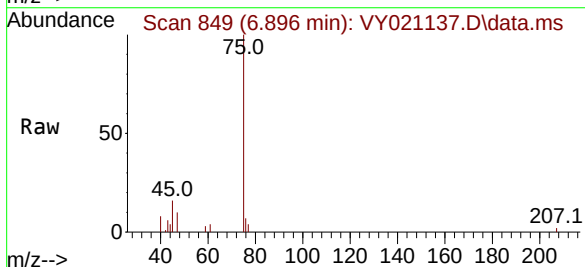
Acq: 07 Feb 2025 14:15

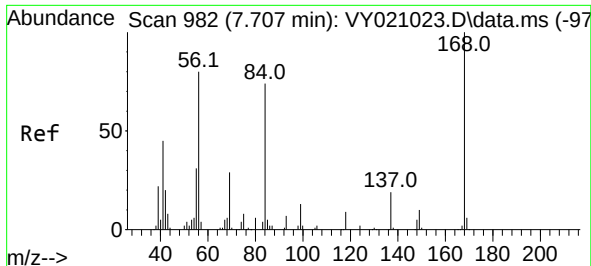
Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

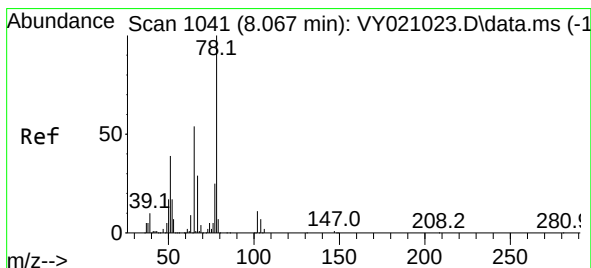
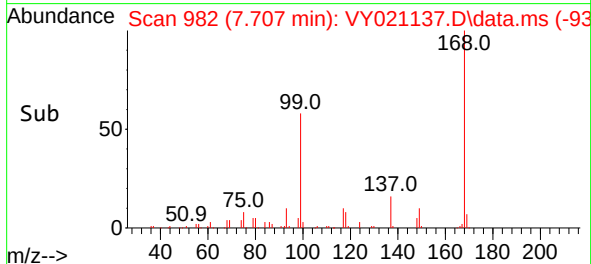
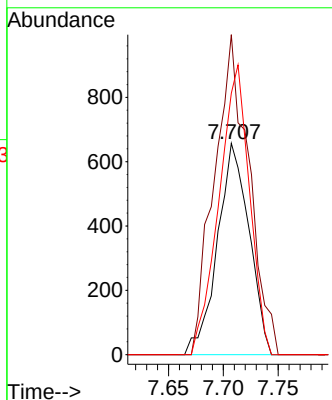
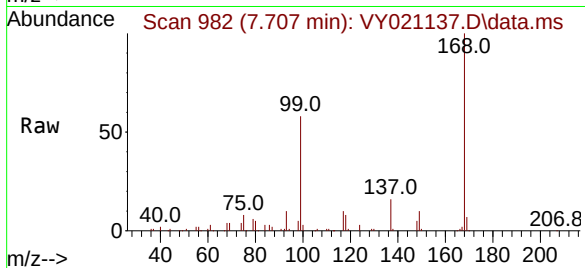




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

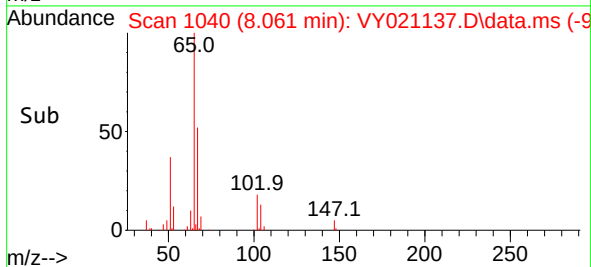
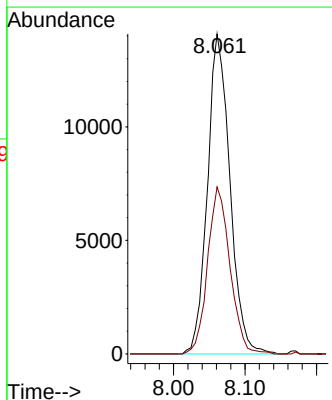
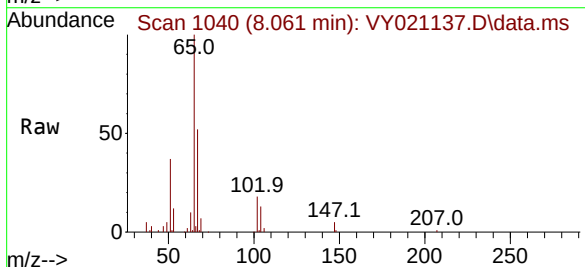
Instrument :
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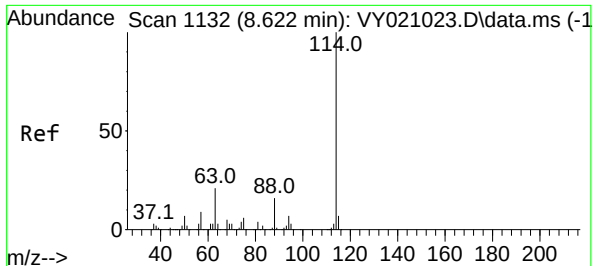
Tgt Ion: 56 Resp: 1320
Ion Ratio Lower Upper
56 100
69 151.4 27.0 40.6#
84 123.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 47.896 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 65 Resp: 30765
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021137.D

Acq: 07 Feb 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-020425

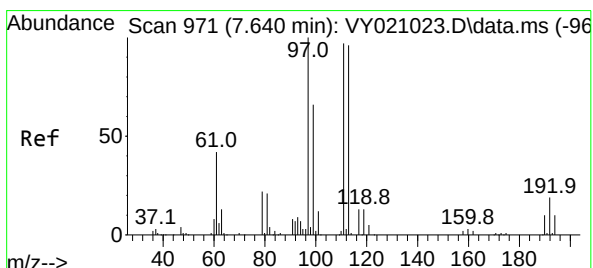
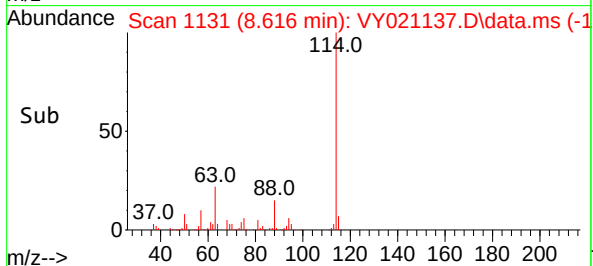
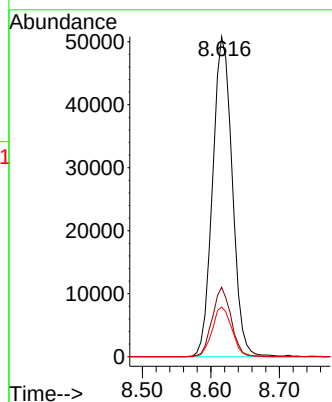
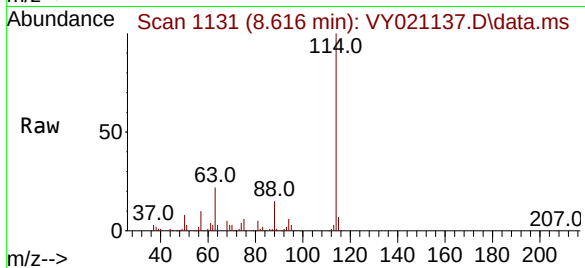
Tgt Ion:114 Resp: 101062

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.550 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021137.D

Acq: 07 Feb 2025 14:15

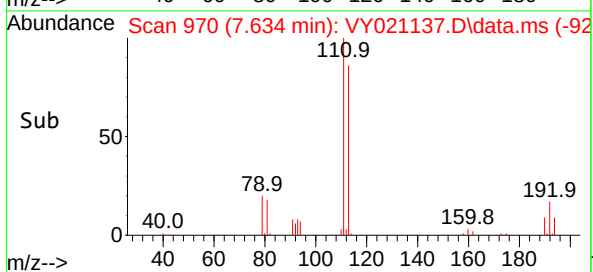
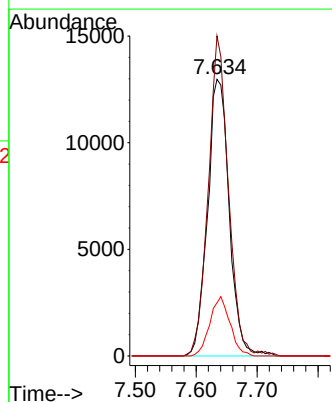
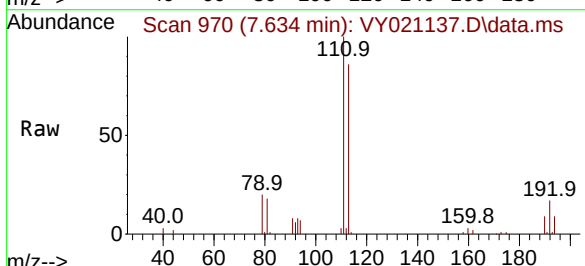
Tgt Ion:113 Resp: 32092

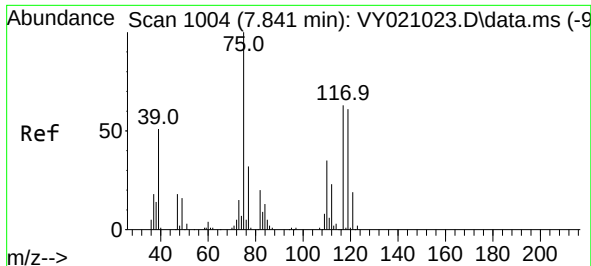
Ion Ratio Lower Upper

113 100

111 106.4 83.8 125.6

192 20.0 14.5 21.7

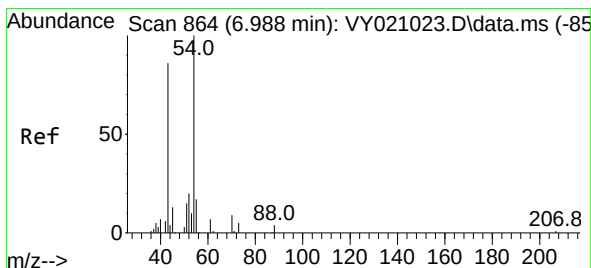
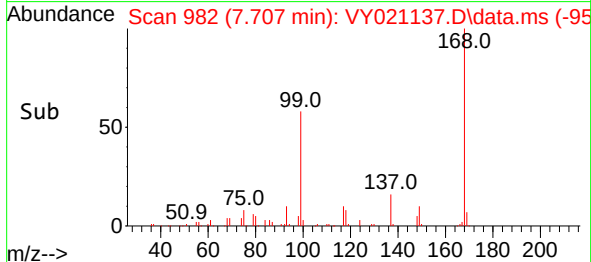
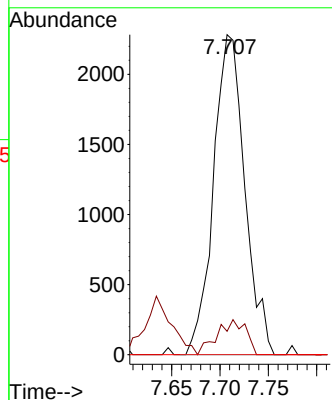
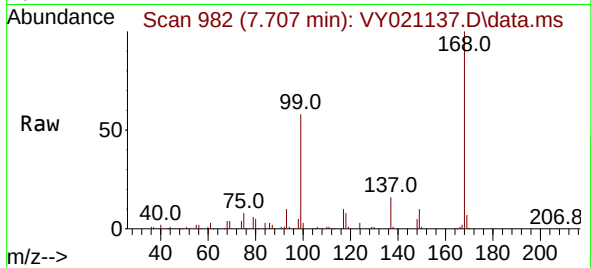




#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021137.D
 Acq: 07 Feb 2025 14:15

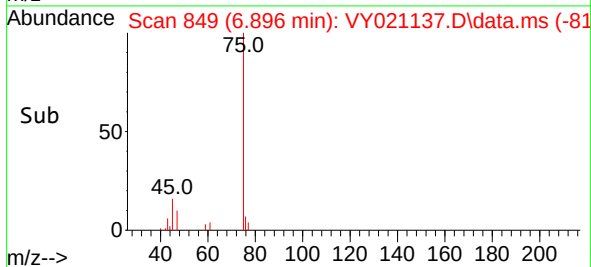
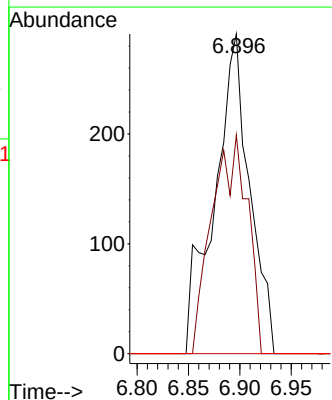
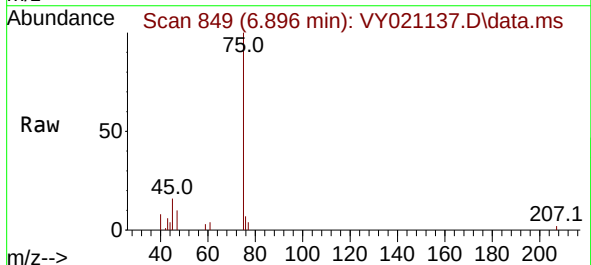
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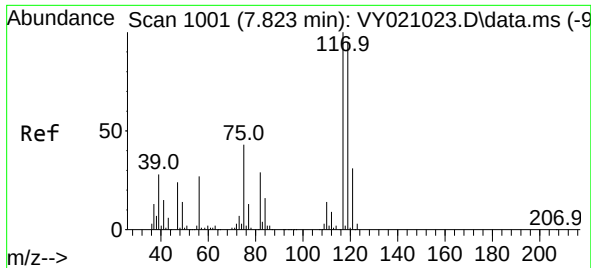
Tgt Ion: 75 Resp: 5138
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.4 52.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.647 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.091 min
 Lab File: VY021137.D
 Acq: 07 Feb 2025 14:15

Tgt Ion: 43 Resp: 693
 Ion Ratio Lower Upper
 43 100
 61 39.7 11.0 16.6#
 70 0.0 8.1 12.1#

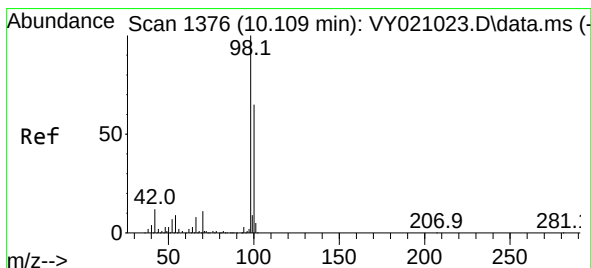
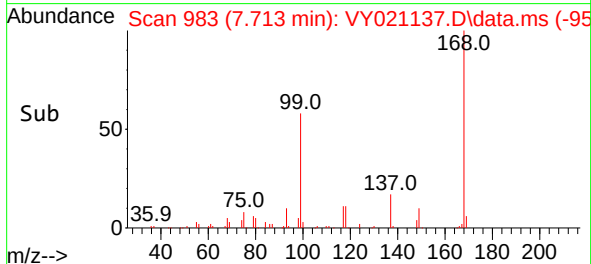
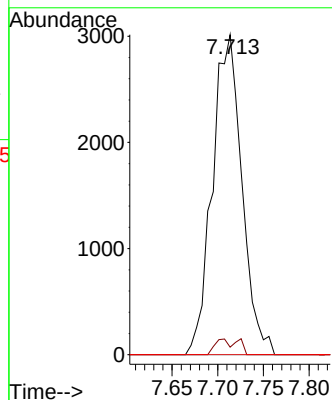
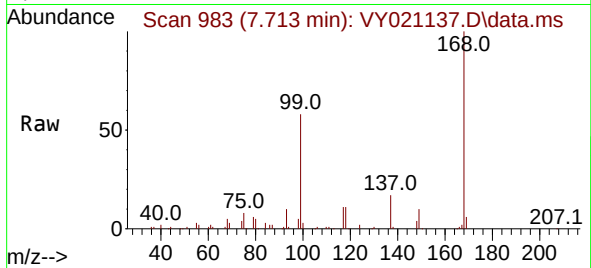




#38
Carbon Tetrachloride
Concen: 6.046 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

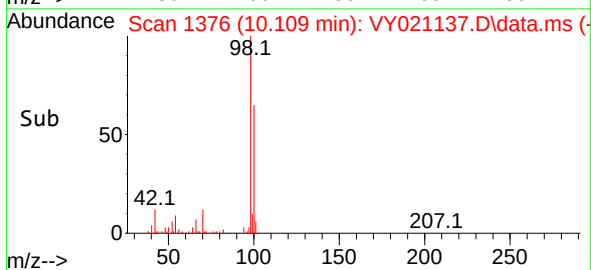
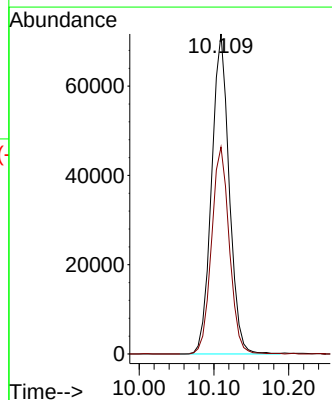
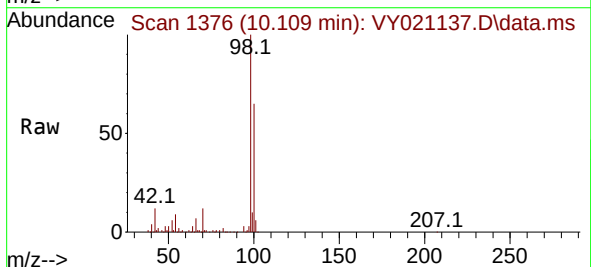
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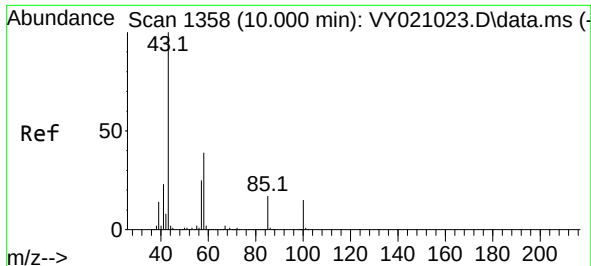
Tgt Ion:117 Resp: 6777
Ion Ratio Lower Upper
117 100
119 2.4 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.717 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 98 Resp: 117657
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

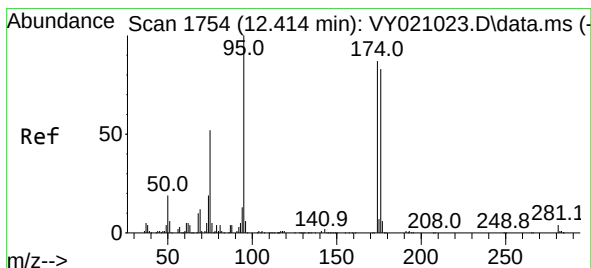
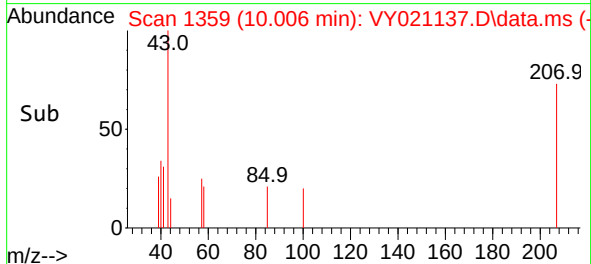
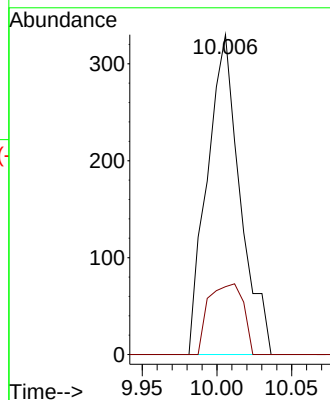
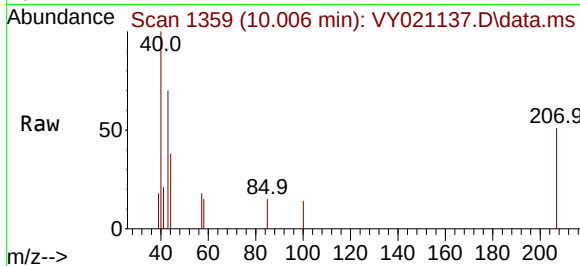




#51
4-Methyl-2-Pentanone
Concen: 1.199 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

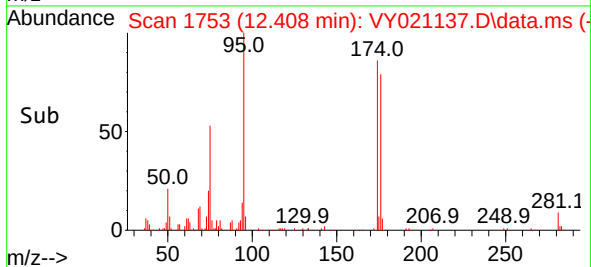
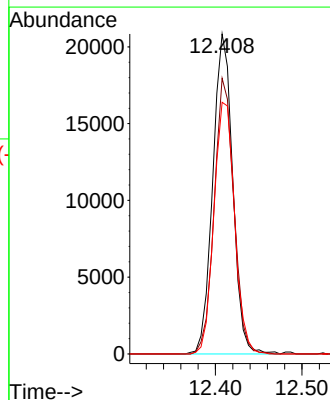
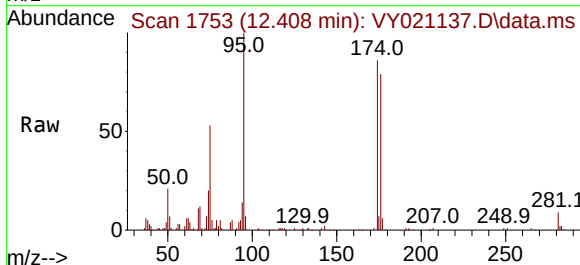
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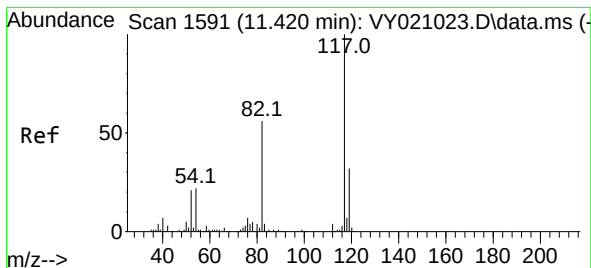
Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 23.2 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 41.283 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 95 Resp: 33255
Ion Ratio Lower Upper
95 100
174 84.9 0.0 160.0
176 81.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021137.D

Acq: 07 Feb 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-020425

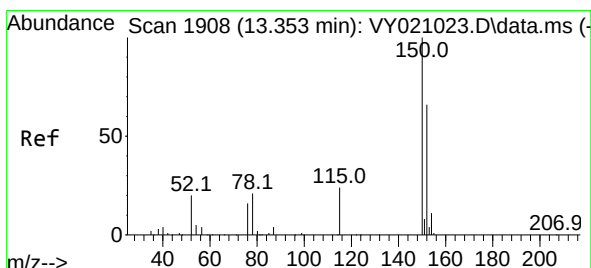
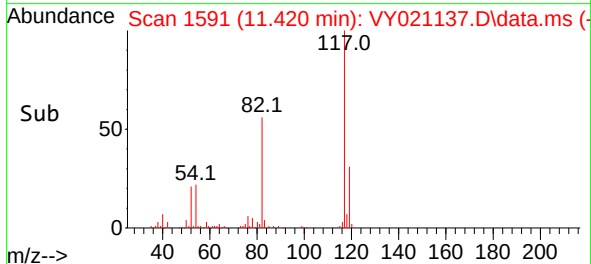
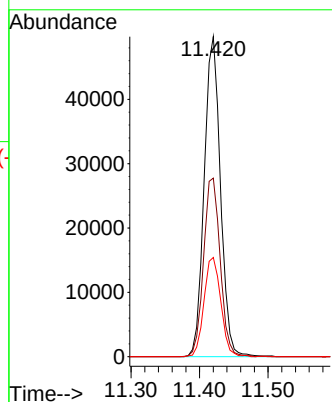
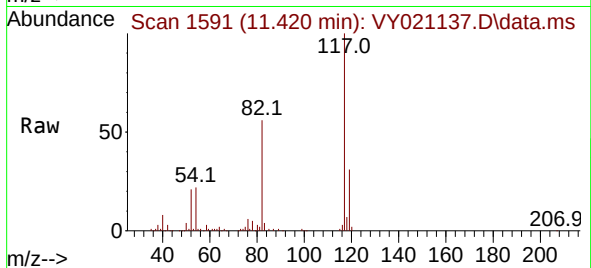
Tgt Ion:117 Resp: 82201

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 31.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021137.D

Acq: 07 Feb 2025 14:15

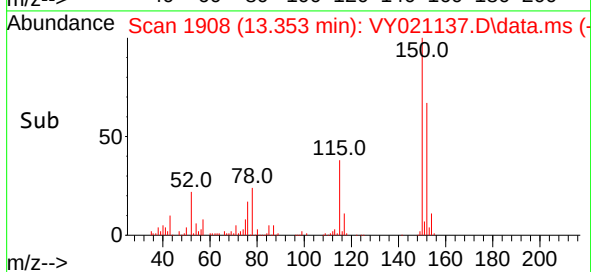
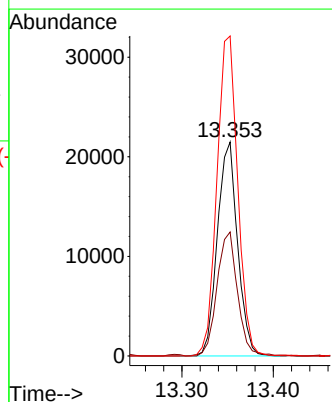
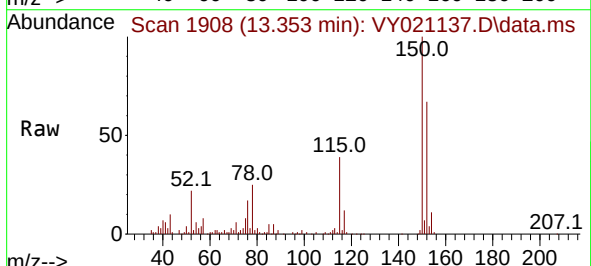
Tgt Ion:152 Resp: 33021

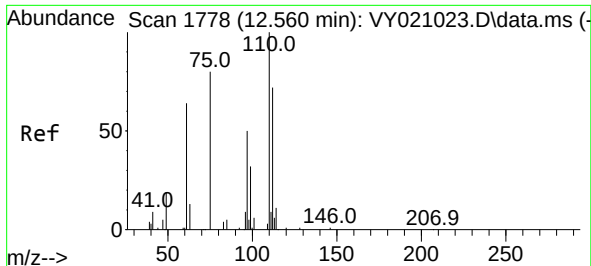
Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

150 153.6 0.0 344.6

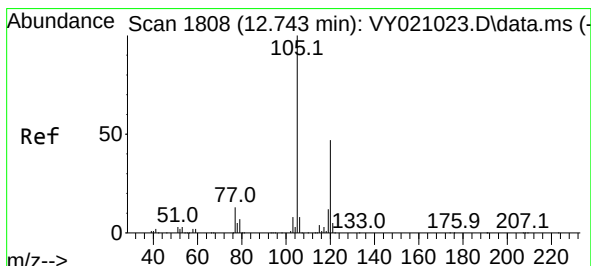
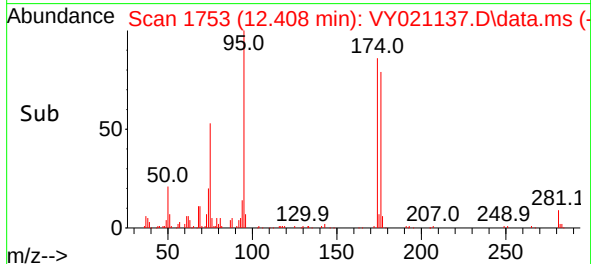
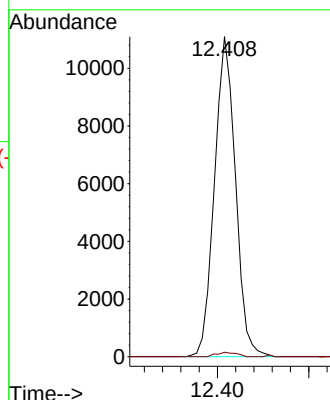
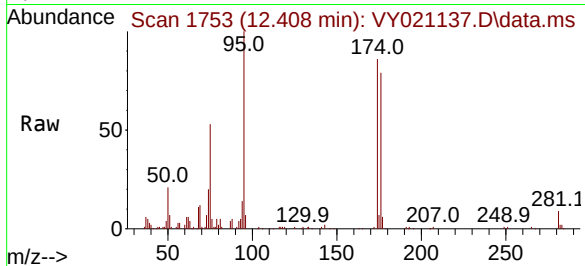




#76
1,2,3-Trichloropropane
Concen: 59.040 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

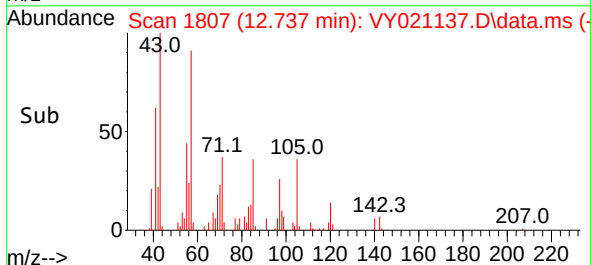
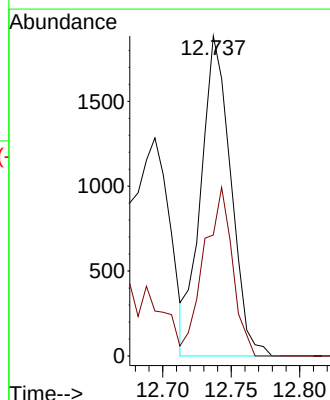
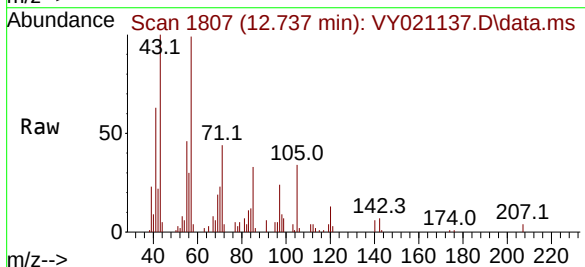
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425

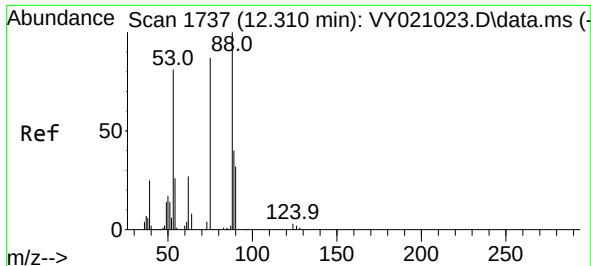
Tgt Ion: 75 Resp: 17685
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.370 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion:105 Resp: 2866
Ion Ratio Lower Upper
105 100
120 50.1 24.3 72.8

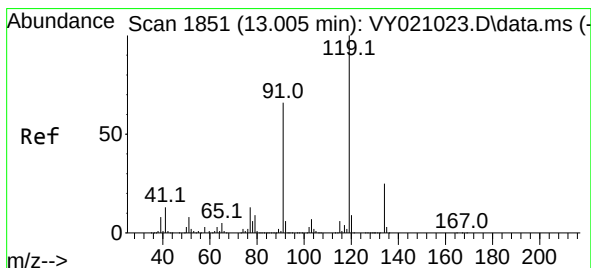
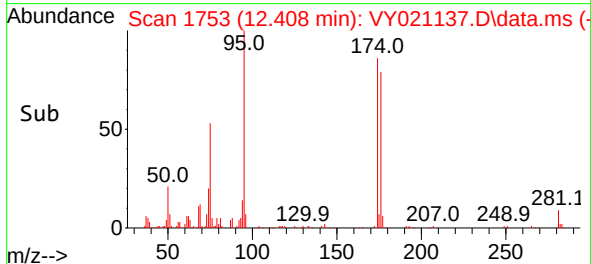
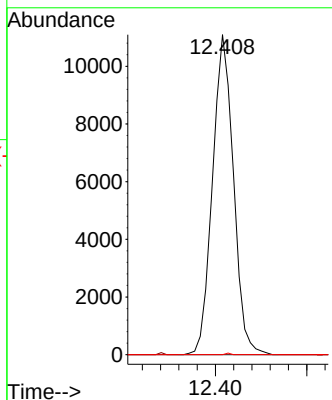
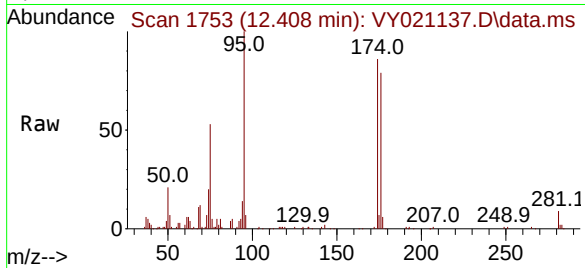




#81
trans-1,4-Dichloro-2-butene
Concen: 120.470 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

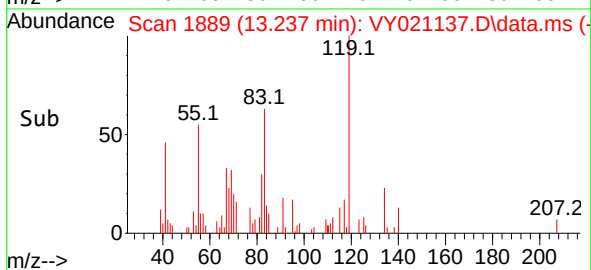
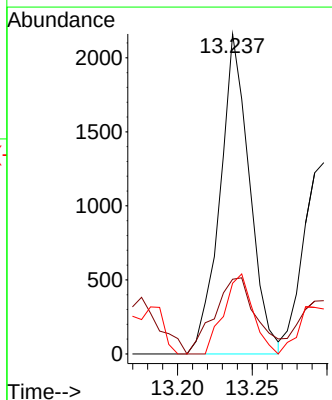
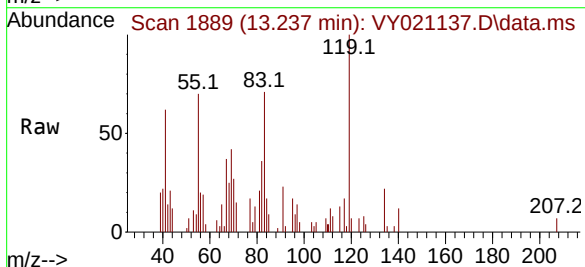
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425

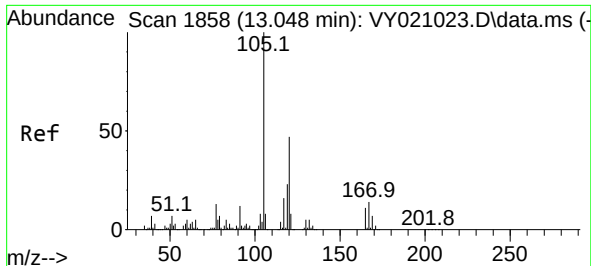
Tgt Ion: 75 Resp: 17685
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#83
tert-Butylbenzene
Concen: 1.562 ug/l
RT: 13.237 min Scan# 1889
Delta R.T. 0.232 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 119 Resp: 2969
Ion Ratio Lower Upper
119 100
91 33.6 31.5 94.5
134 24.6 13.1 39.3

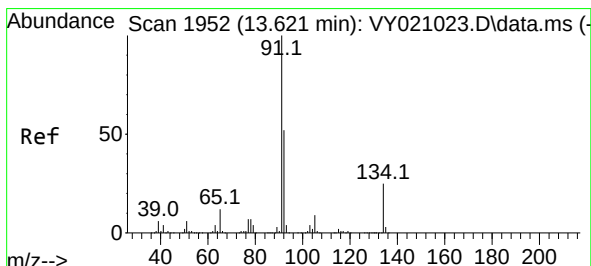
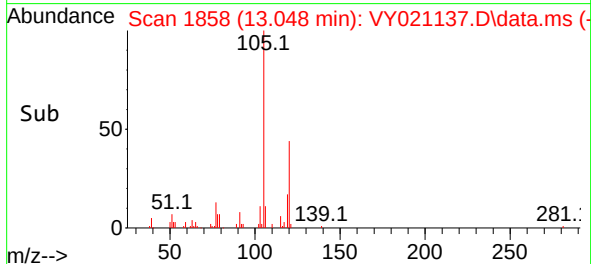
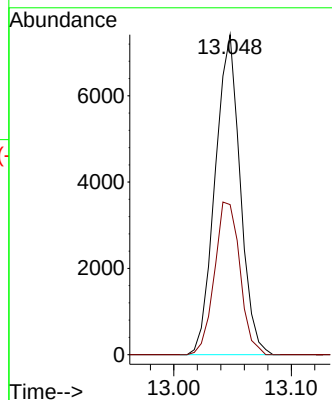
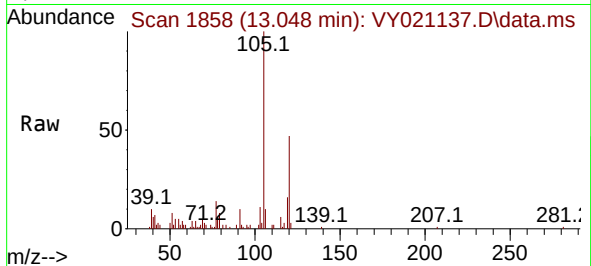




#84
1,2,4-Trimethylbenzene
Concen: 5.371 ug/l
RT: 13.048 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

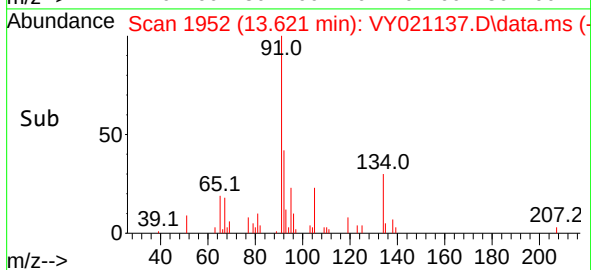
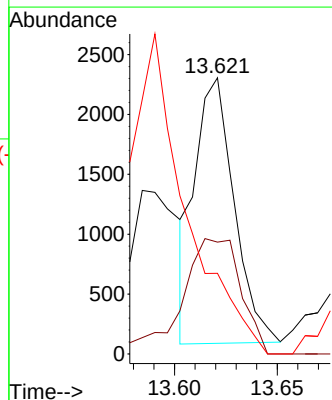
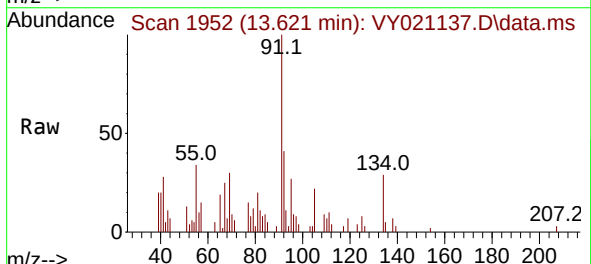
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425

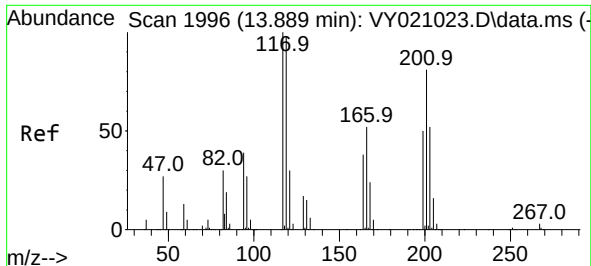
Tgt Ion:105 Resp: 10982
Ion Ratio Lower Upper
105 100
120 48.4 22.1 66.3



#89
n-Butylbenzene
Concen: 1.411 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Tgt Ion: 91 Resp: 2925
Ion Ratio Lower Upper
91 100
92 65.8 26.4 79.2
134 0.0 12.3 36.8#

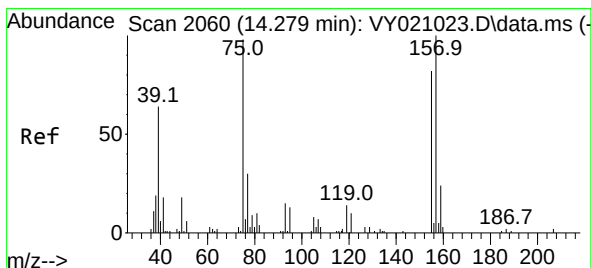
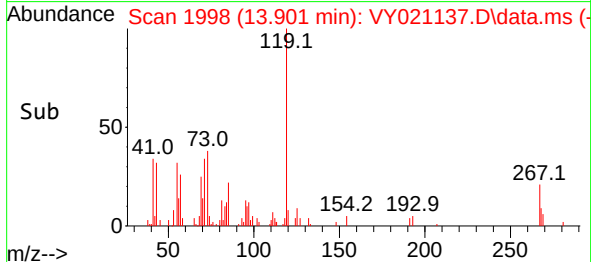
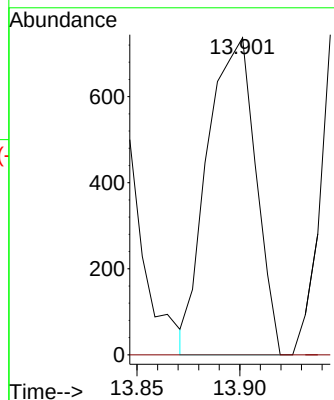
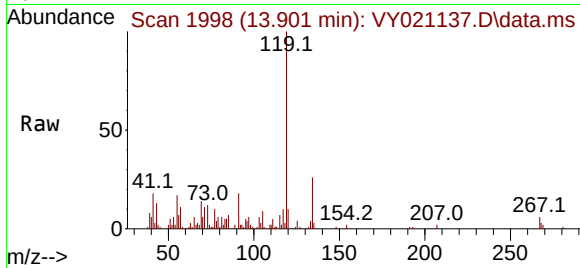




#90
Hexachloroethane
Concen: 2.537 ug/l
RT: 13.901 min Scan# 1998
Delta R.T. 0.012 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

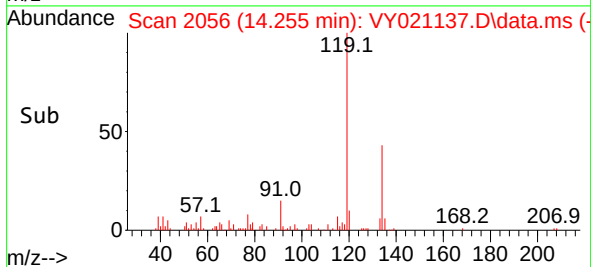
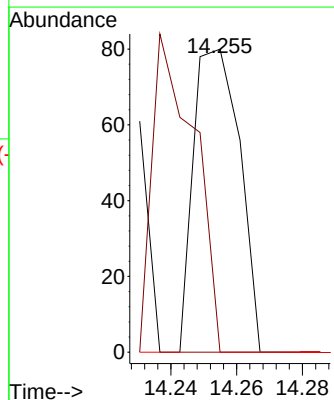
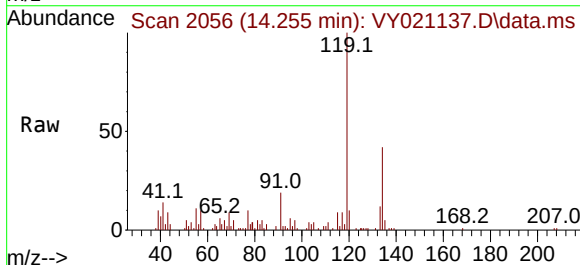
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425

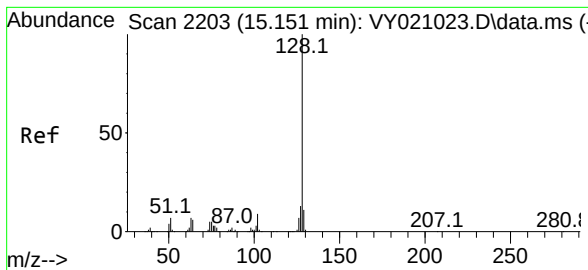
Tgt Ion:117 Resp: 1203
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.217 ug/l
RT: 14.255 min Scan# 2056
Delta R.T. -0.024 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

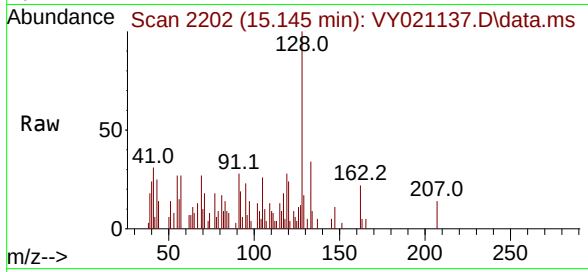
Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#





#95
Naphthalene
Concen: 3.903 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021137.D
Acq: 07 Feb 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020425



Tgt Ion:128 Resp: 3467
Ion Ratio Lower Upper
128 100
127 16.4 10.2 15.4#
129 22.1 8.6 12.8#

