

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021139.D
 Acq On : 07 Feb 2025 15:02
 Operator : SY/MD
 Sample : Q1304-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB21140

Quant Time: Feb 08 02:42:10 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)

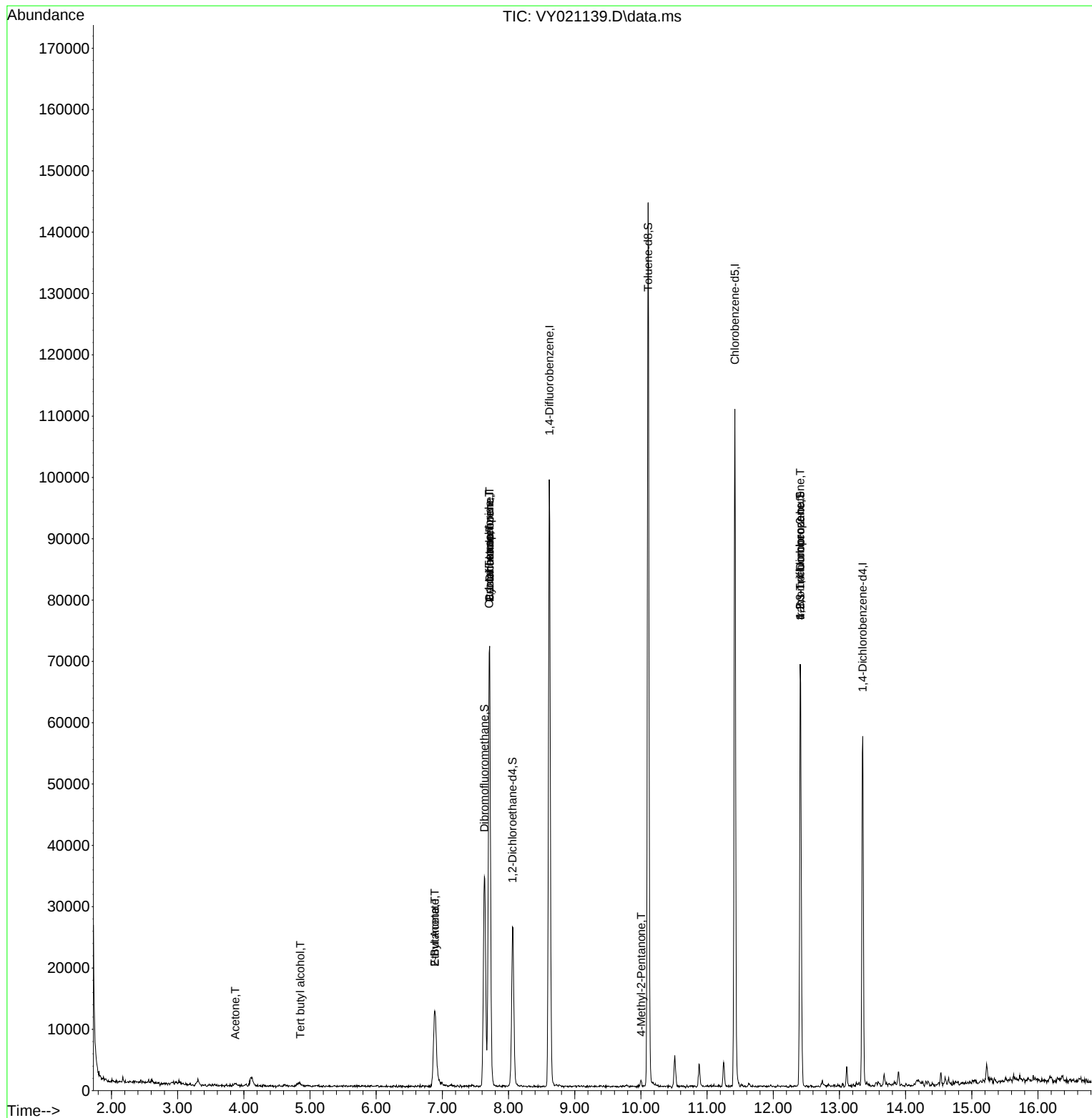
Internal Standards						
1) Pentafluorobenzene	7.713	168	55205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	82812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	57044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	14345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	21297	37.653	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.300%		
35) Dibromofluoromethane	7.634	113	24628	46.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.820%		
50) Toluene-d8	10.109	98	91386	45.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.460%		
62) 4-Bromofluorobenzene	12.408	95	19514	29.563	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	59.120%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	470	12.262	ug/l #	75
16) Acetone	3.873	43	613	6.950	ug/l #	84
25) 2-Butanone	6.884	43	804	5.547	ug/l #	85
31) Cyclohexane	7.713	56	1259	1.305	ug/l #	20
36) 1,1-Dichloropropene	7.713	75	4494	5.717	ug/l #	48
37) Ethyl Acetate	6.884	43	804	2.331	ug/l #	1
38) Carbon Tetrachloride	7.707	117	5804	6.319	ug/l #	18
51) 4-Methyl-2-Pentanone	10.006	43	738	2.142	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	10318	79.292	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10318	161.793	ug/l #	12

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

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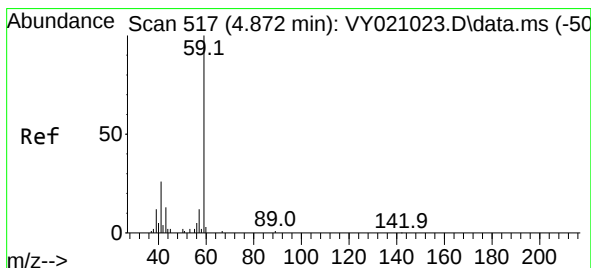
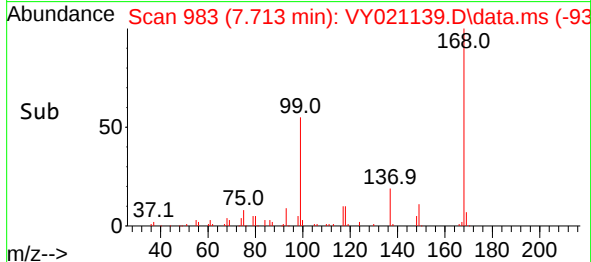
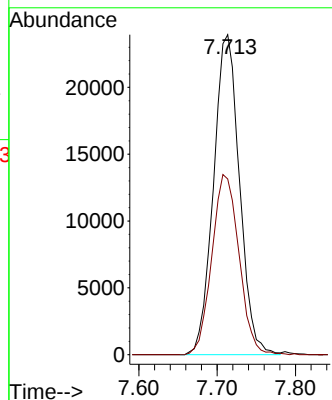
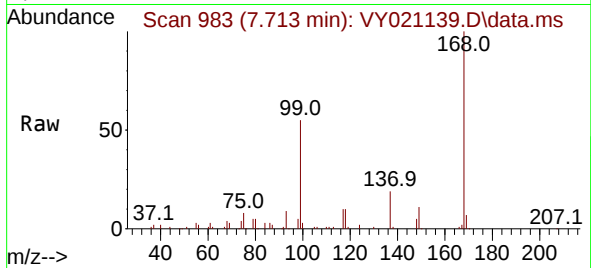




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

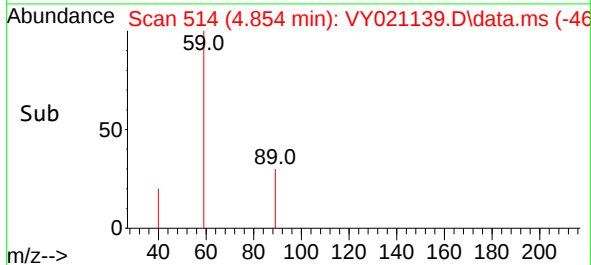
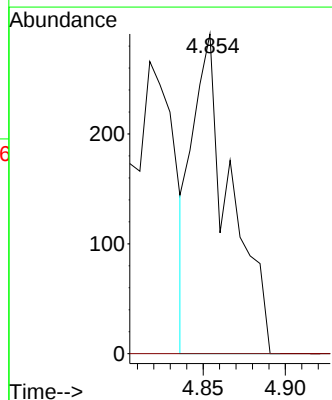
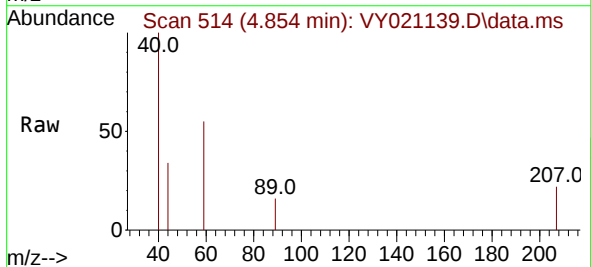
Instrument :
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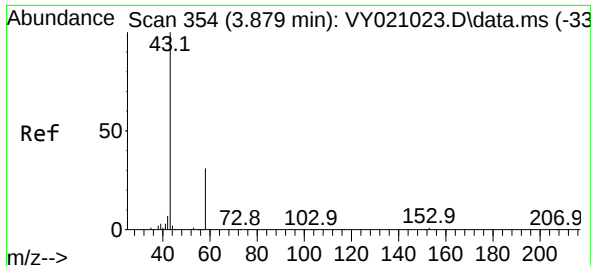
Tgt Ion:168 Resp: 55205
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 12.262 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

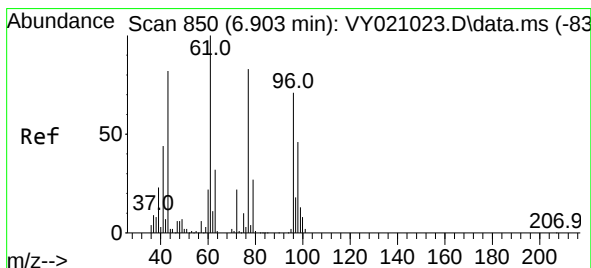
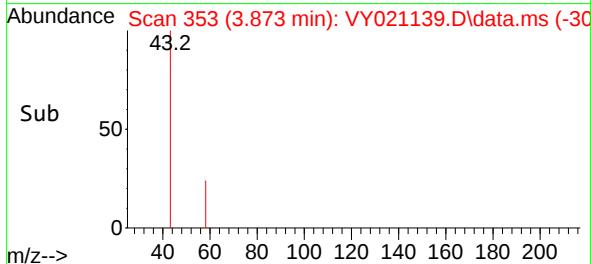
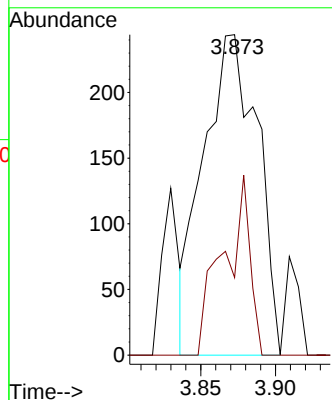
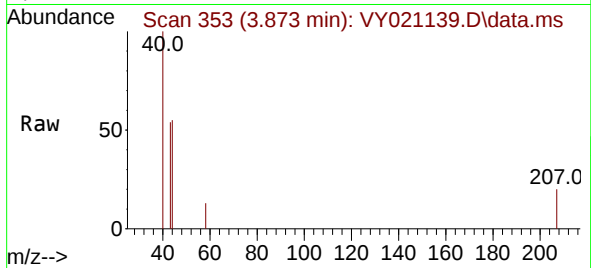




#16
Acetone
Concen: 6.950 ug/l
RT: 3.873 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

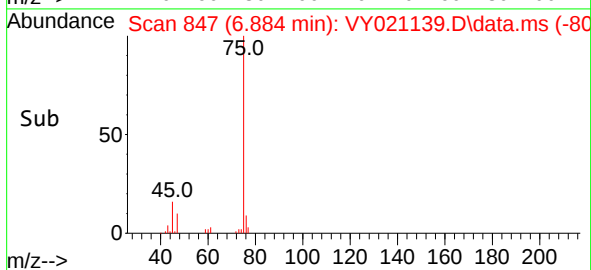
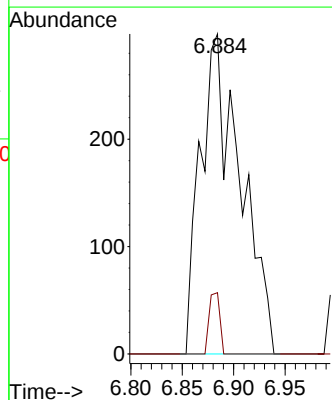
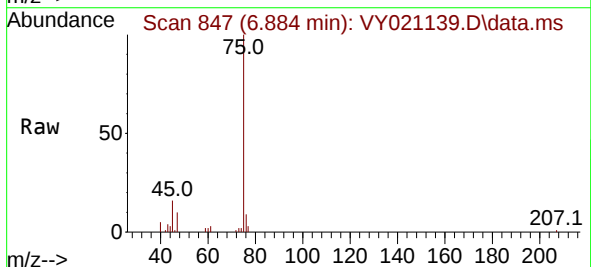
Instrument :
MSVOA_Y
ClientSampleId :
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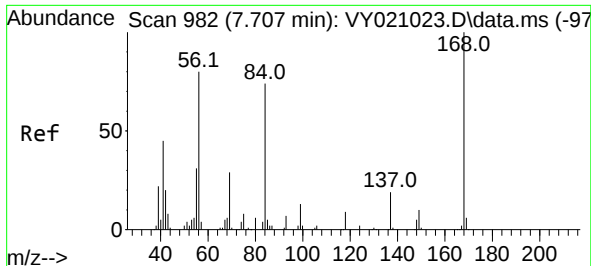
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 24.2 26.6 39.8#



#25
2-Butanone
Concen: 5.547 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.018 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
72 19.1 21.4 32.2#

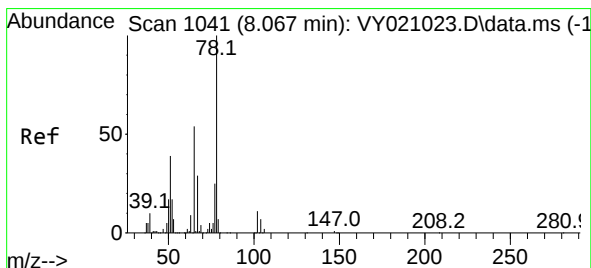
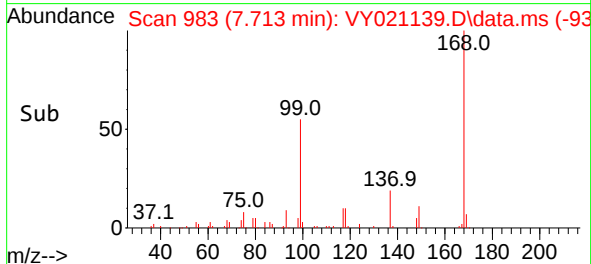
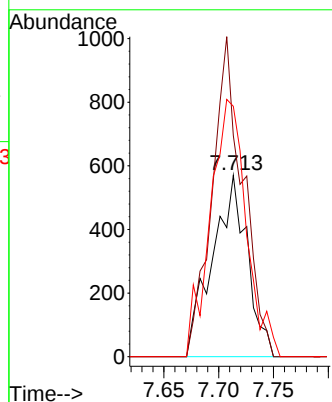
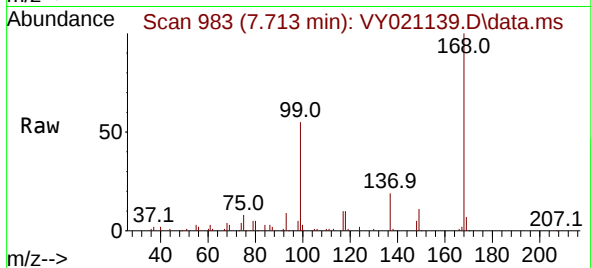




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

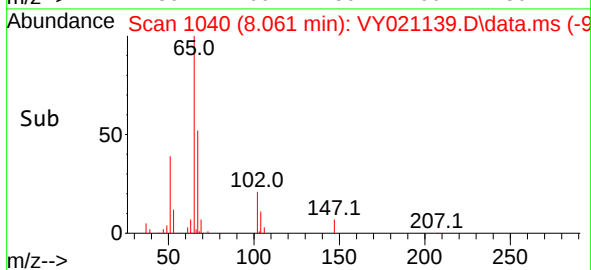
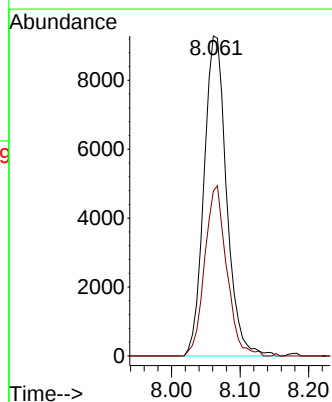
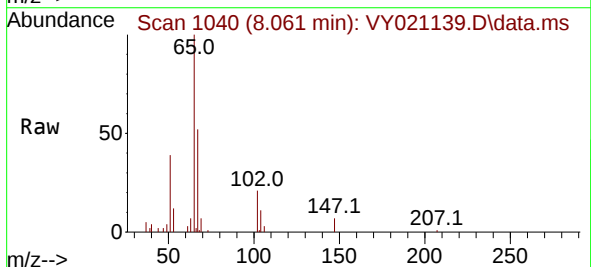
Instrument :
MSVOA_Y
ClientSampleId :
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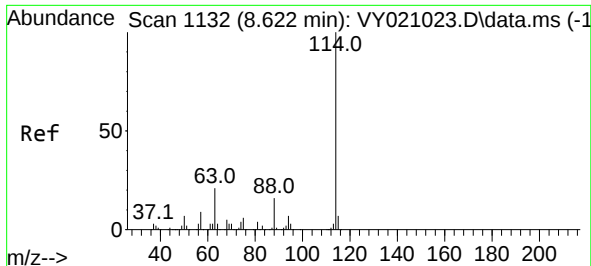
Tgt Ion: 56 Resp: 1259
Ion Ratio Lower Upper
56 100
69 121.9 27.0 40.6#
84 138.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 37.653 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion: 65 Resp: 21297
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.0

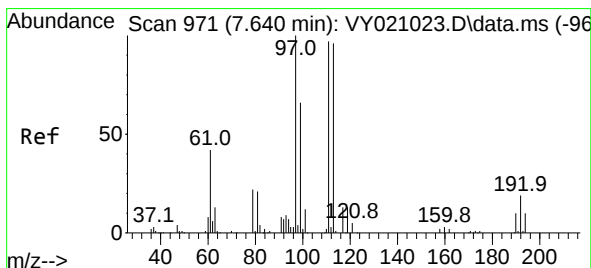
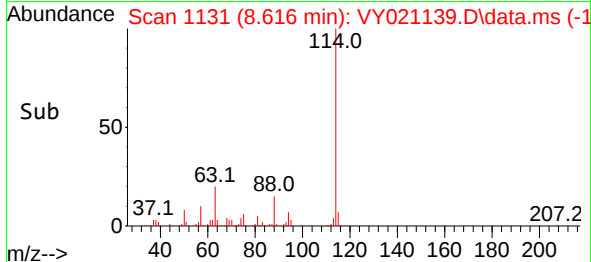
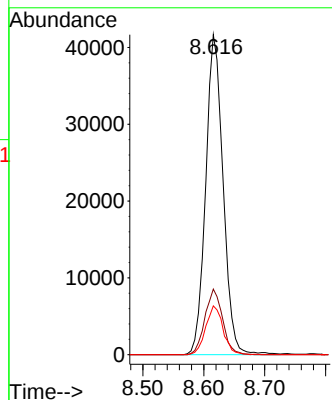
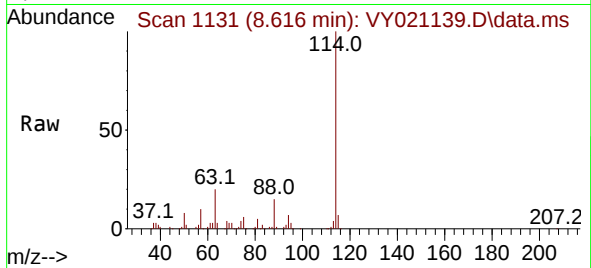




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

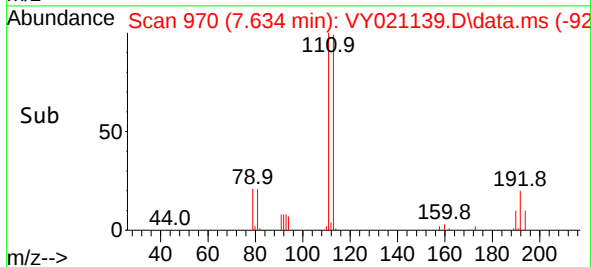
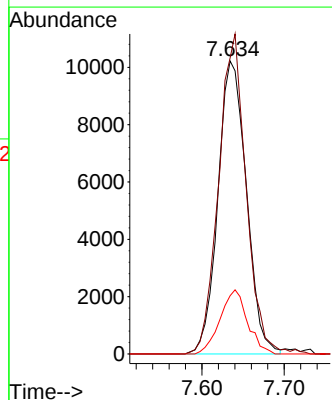
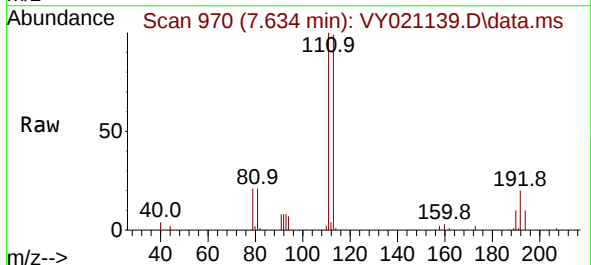
Instrument :
MSVOA_Y
ClientSampleId :
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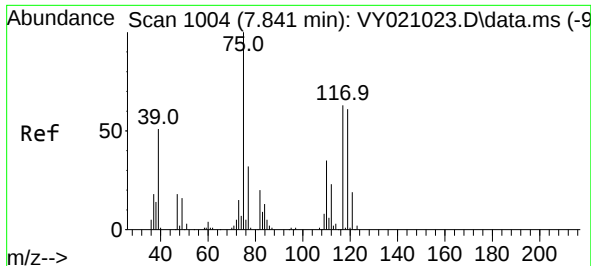
Tgt Ion:114 Resp: 82812
Ion Ratio Lower Upper
114 100
63 20.5 0.0 37.4
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 46.405 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion:113 Resp: 24628
Ion Ratio Lower Upper
113 100
111 105.5 83.8 125.6
192 21.0 14.5 21.7

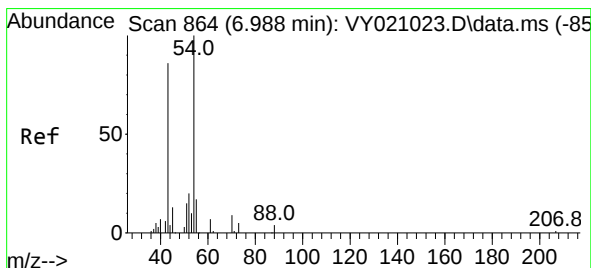
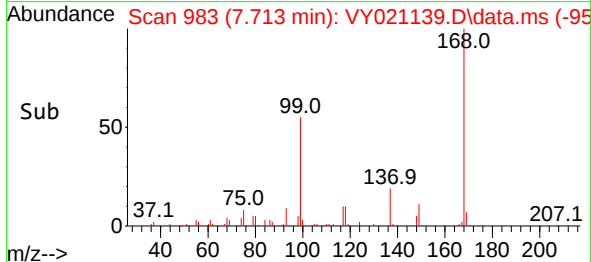
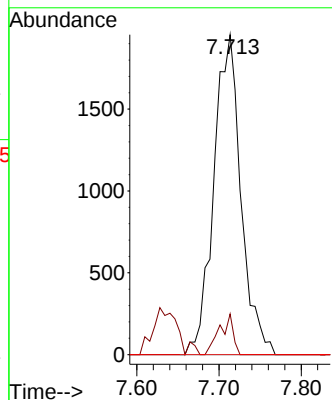
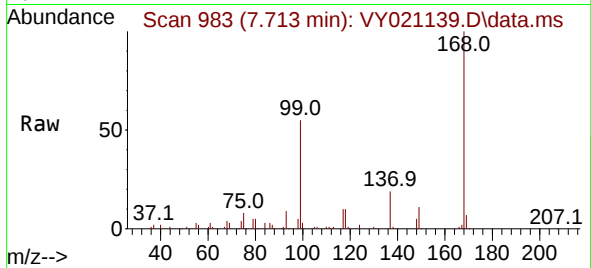




#36
 1,1-Dichloropropene
 Concen: 5.717 ug/l
 RT: 7.713 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY021139.D
 Acq: 07 Feb 2025 15:02

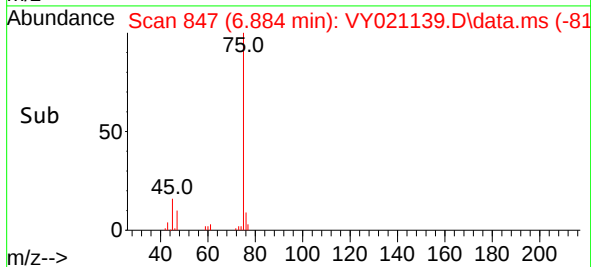
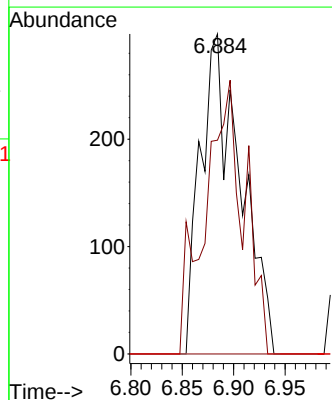
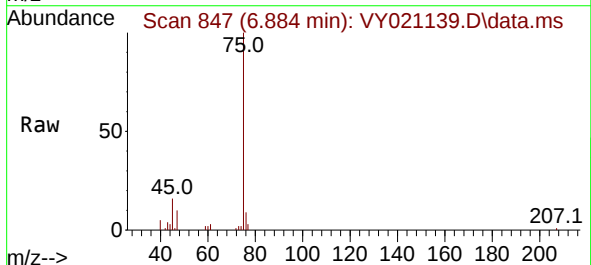
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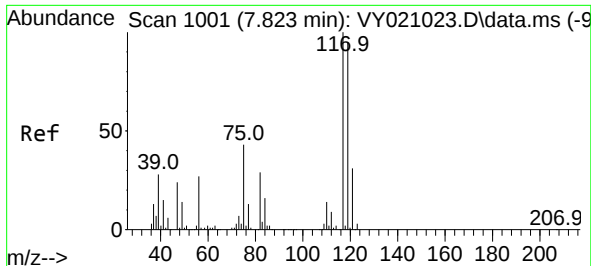
Tgt Ion: 75 Resp: 4494
 Ion Ratio Lower Upper
 75 100
 110 6.4 17.4 52.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 2.331 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. -0.104 min
 Lab File: VY021139.D
 Acq: 07 Feb 2025 15:02

Tgt Ion: 43 Resp: 804
 Ion Ratio Lower Upper
 43 100
 61 83.8 11.0 16.6#
 70 0.0 8.1 12.1#

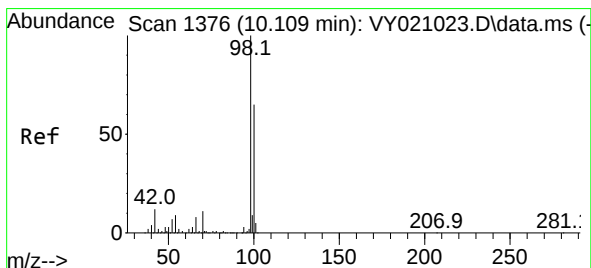
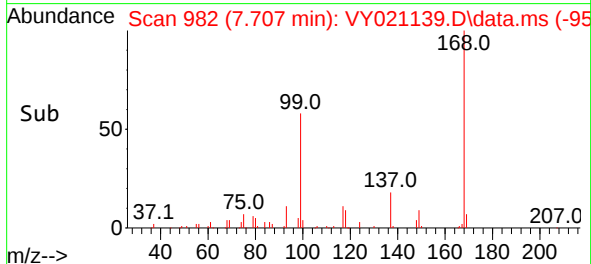
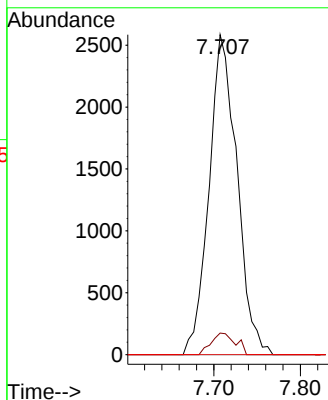
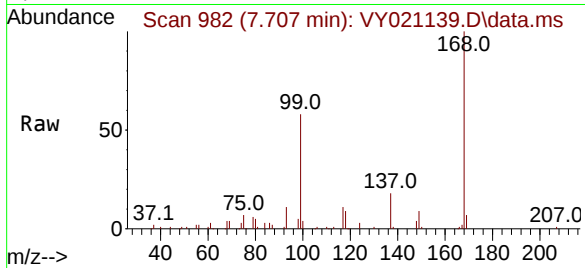




#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

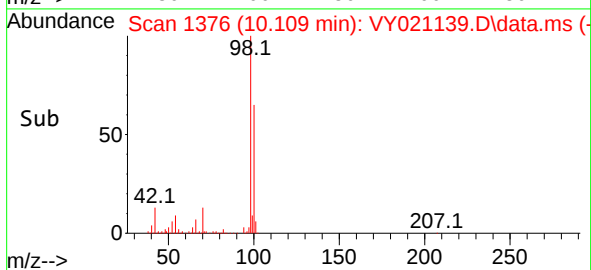
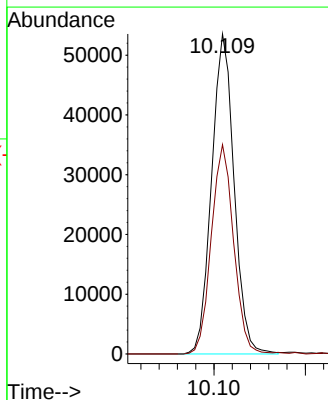
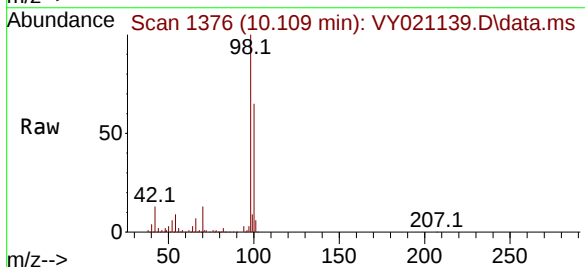
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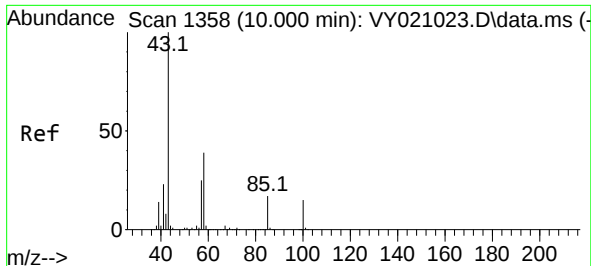
Tgt Ion:117 Resp: 5804
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.230 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion: 98 Resp: 91386
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

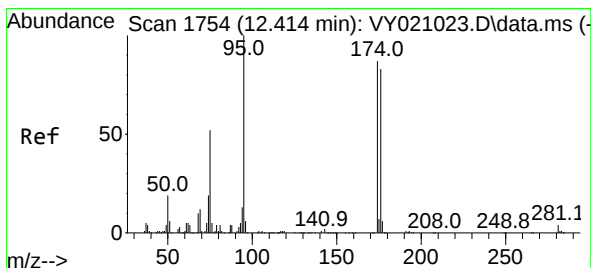
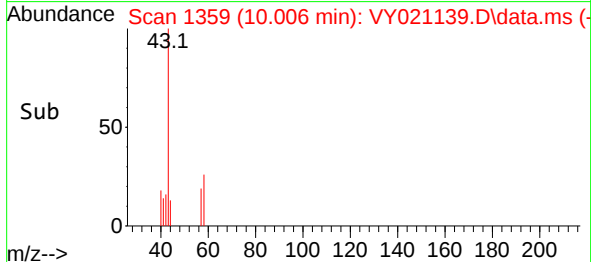
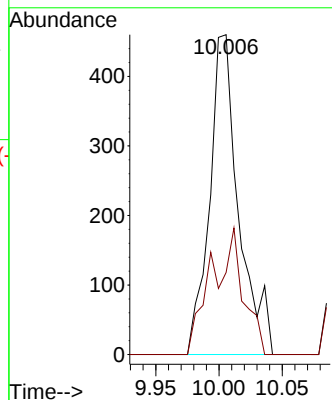
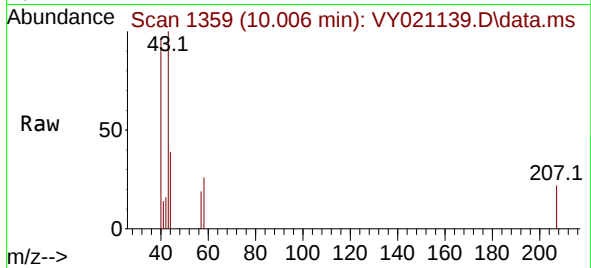




#51
4-Methyl-2-Pentanone
Concen: 2.142 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

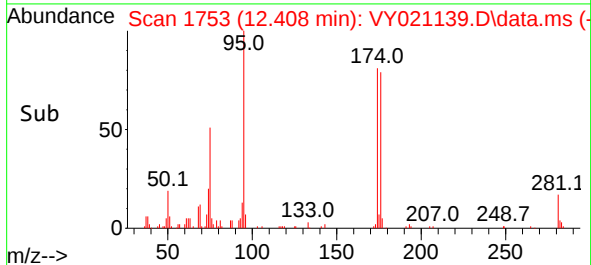
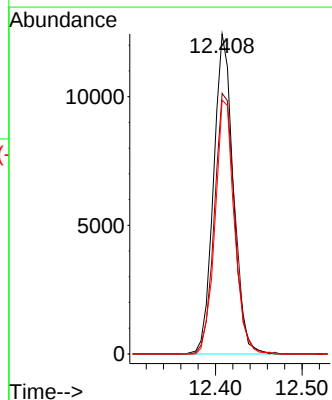
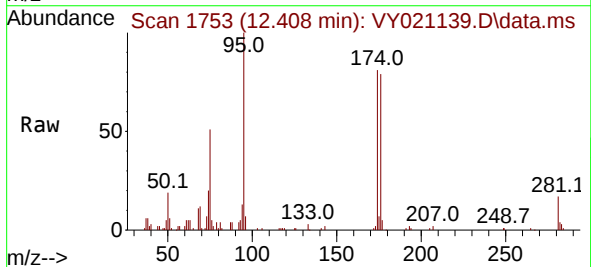
Instrument :
MSVOA_Y
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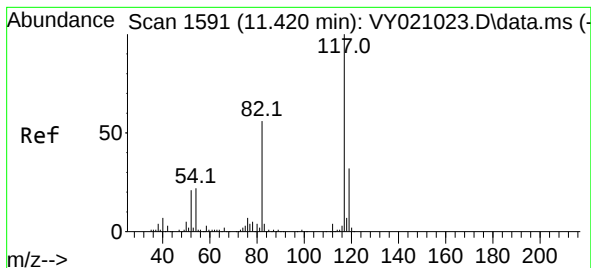
Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 43.1 32.2 48.2



#62
4-Bromofluorobenzene
Concen: 29.563 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021139.D
Acq: 07 Feb 2025 15:02

Tgt Ion: 95 Resp: 19514
Ion Ratio Lower Upper
95 100
174 85.3 0.0 160.0
176 78.2 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: VY021139.D

Acq: 07 Feb 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

RB21140

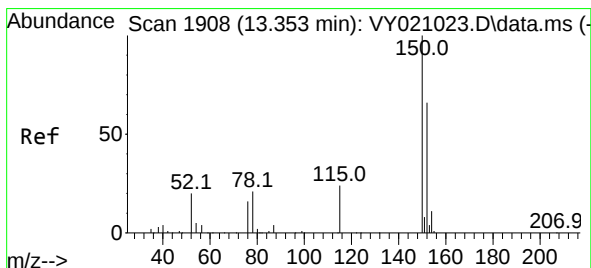
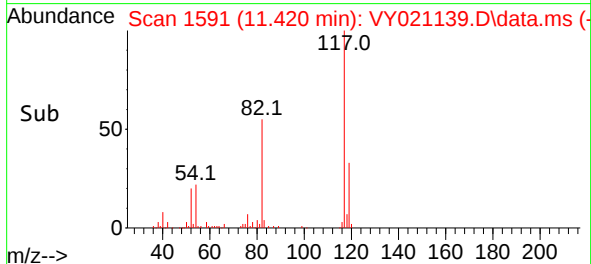
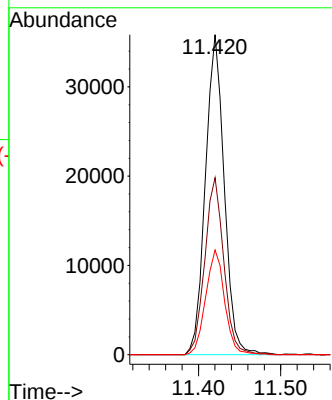
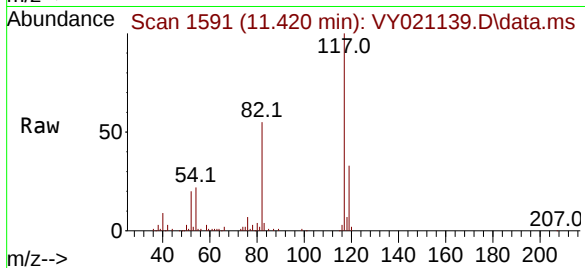
Tgt Ion:117 Resp: 57044

Ion Ratio Lower Upper

117 100

82 55.3 43.8 65.8

119 32.7 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: VY021139.D

Acq: 07 Feb 2025 15:02

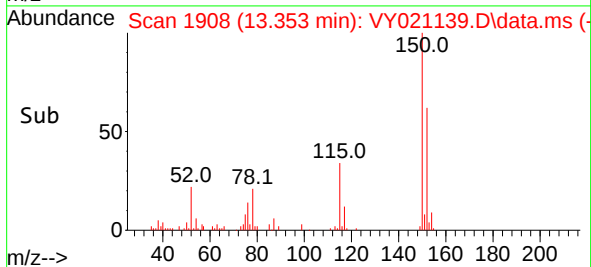
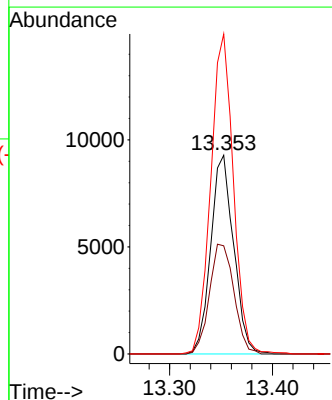
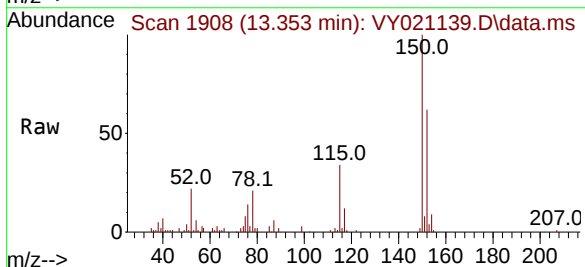
Tgt Ion:152 Resp: 14345

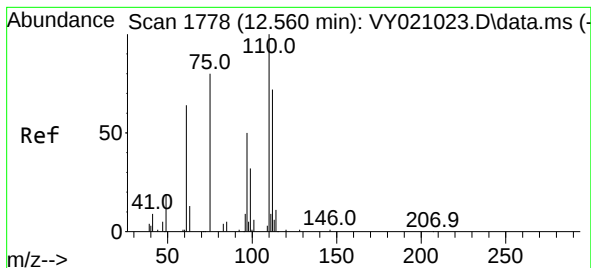
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 159.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 79.292 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021139.D

Acq: 07 Feb 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

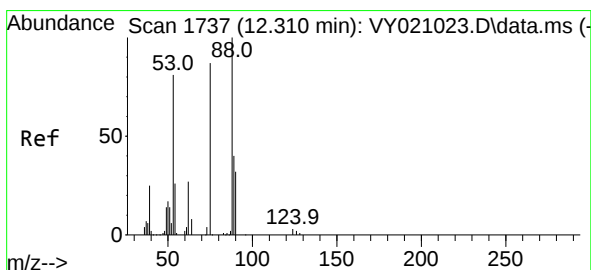
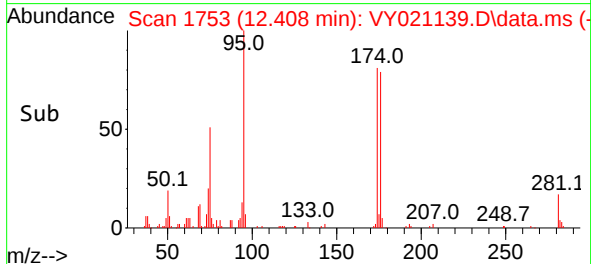
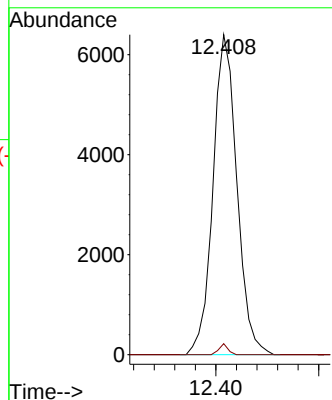
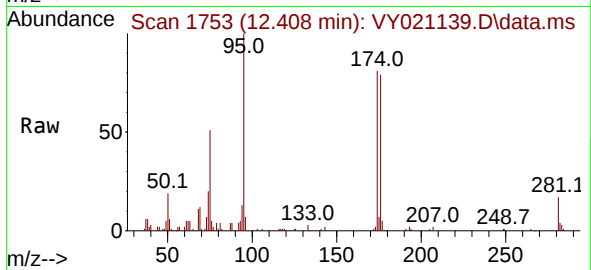
RB21140

Tgt Ion: 75 Resp: 10318

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.793 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021139.D

Acq: 07 Feb 2025 15:02

Tgt Ion: 75 Resp: 10318

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

