

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021356.D
 Acq On : 27 Feb 2025 14:25
 Operator : SY/MD
 Sample : Q1422-02
 Misc : 8.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-154-SB02

Quant Time: Feb 28 00:41:57 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)

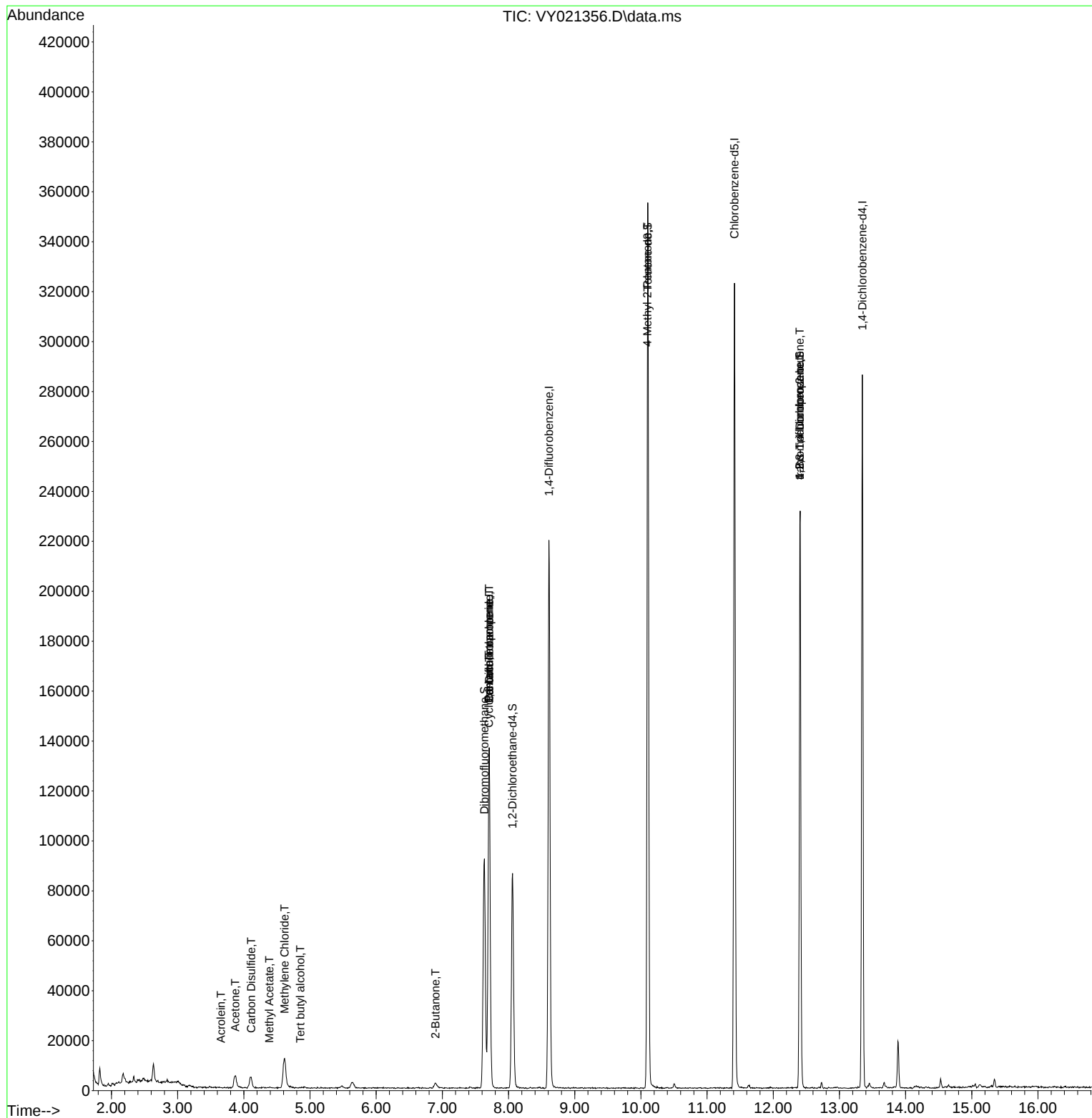
Internal Standards						
1) Pentafluorobenzene	7.707	168	101080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	180077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	164666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	67669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	69216	60.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.720%	
35) Dibromofluoromethane	7.634	113	64385	54.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.080%	
50) Toluene-d8	10.103	98	222153	48.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.402	95	67996	44.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	191	2.166	ug/l #	72
13) Acrolein	3.653	56	80	1.184	ug/l #	13
16) Acetone	3.873	43	9460	43.008	ug/l	90
17) Carbon Disulfide	4.110	76	8561	2.535	ug/l	96
18) Methyl Acetate	4.385	43	626	1.165	ug/l #	60
20) Methylene Chloride	4.616	84	8645	7.268	ug/l #	92
25) 2-Butanone	6.896	43	2592	7.808	ug/l #	90
31) Cyclohexane	7.701	56	2377	1.176	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	8073	4.552	ug/l #	50
38) Carbon Tetrachloride	7.707	117	10366	5.199	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	1211	1.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	37371	55.174	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	37371	122.632	ug/l #	10

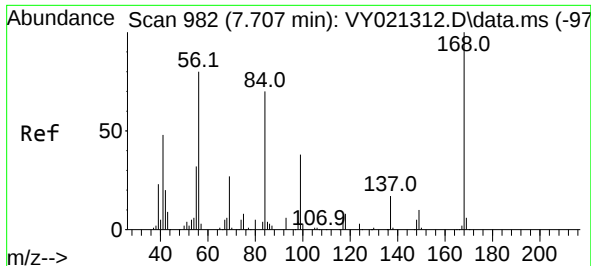
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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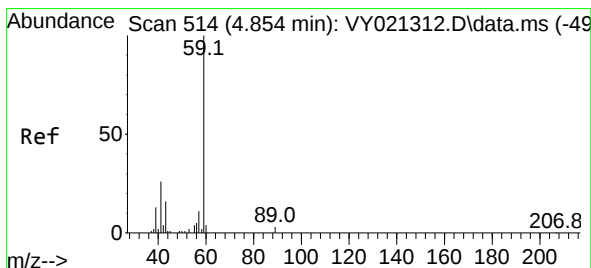
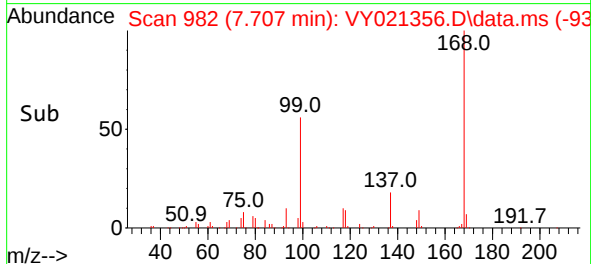
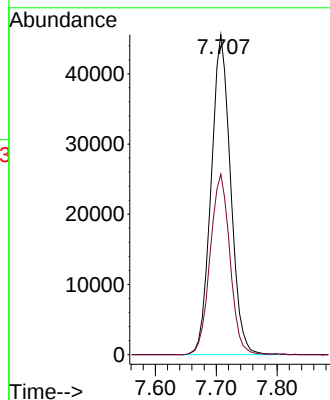
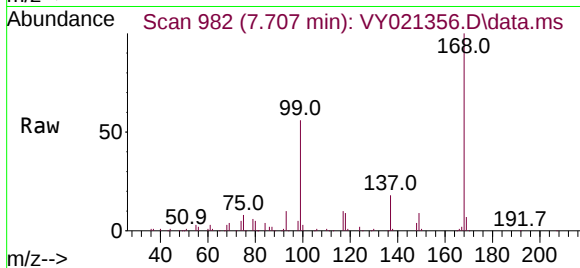




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

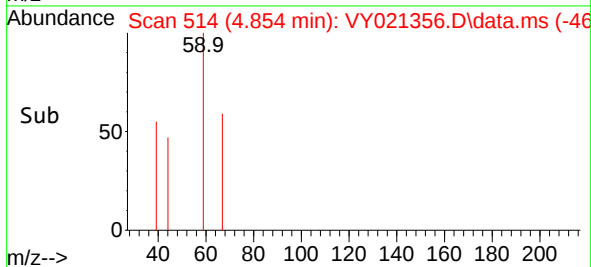
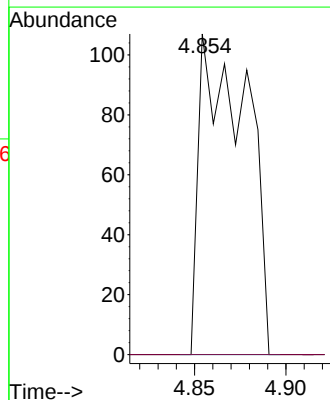
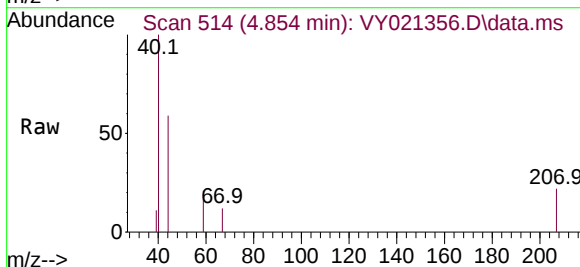
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

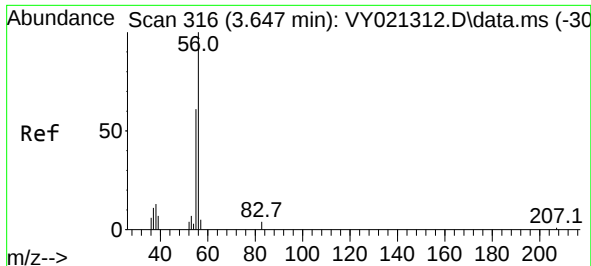
Tgt Ion:168 Resp: 101080
Ion Ratio Lower Upper
168 100
99 56.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 2.166 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

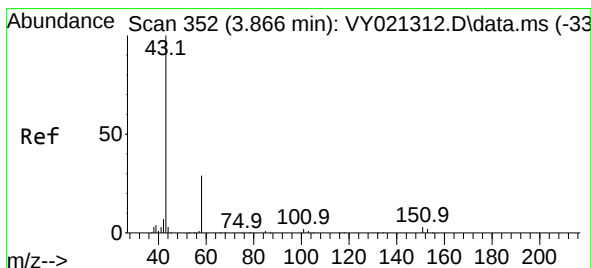
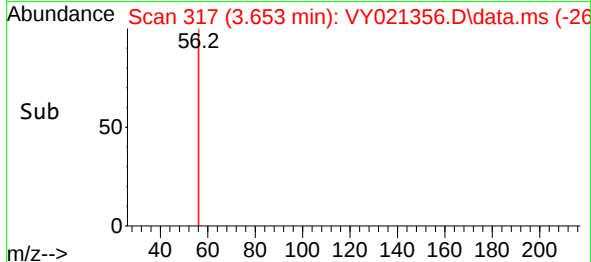
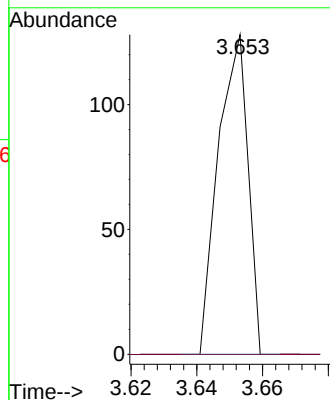
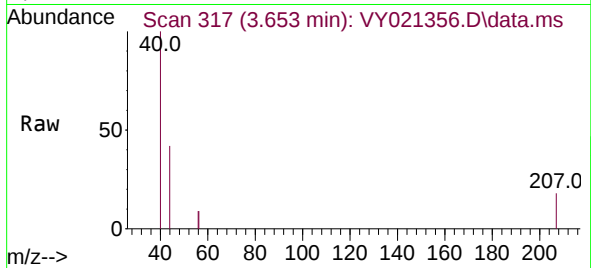




#13
Acrolein
Concen: 1.184 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

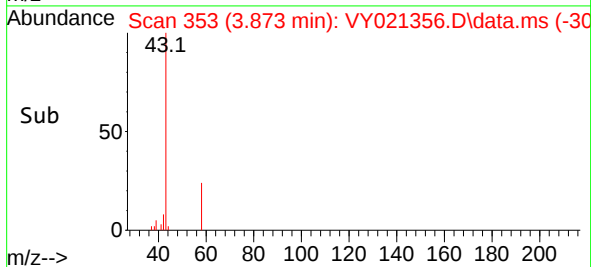
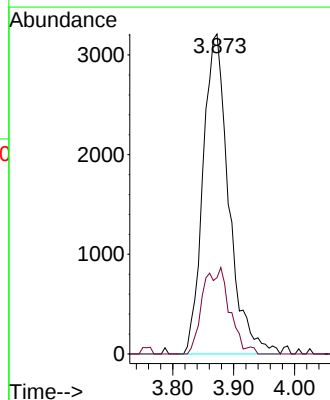
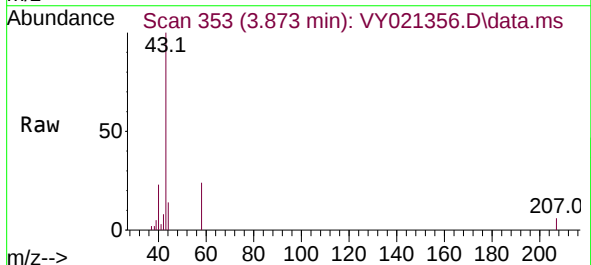
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

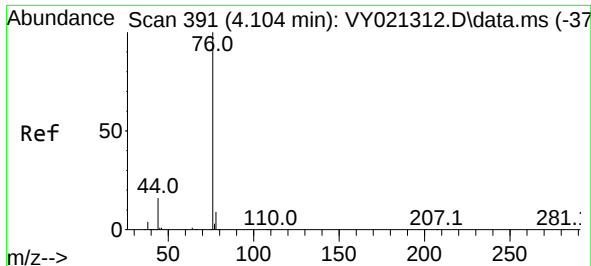
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.6#



#16
Acetone
Concen: 43.008 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 43 Resp: 9460
Ion Ratio Lower Upper
43 100
58 23.9 23.5 35.3

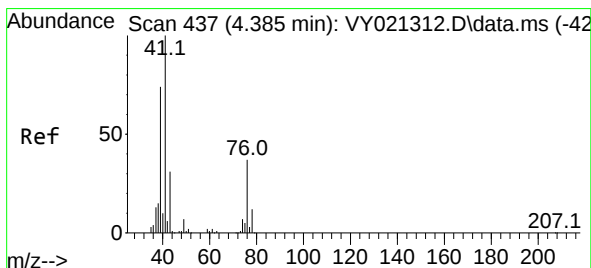
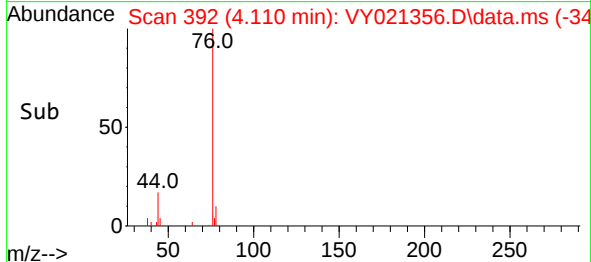
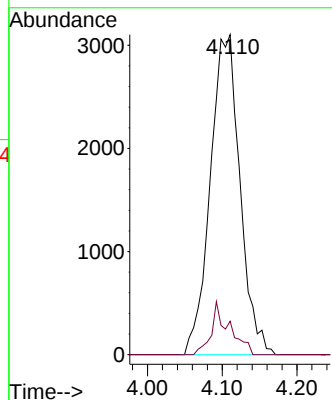
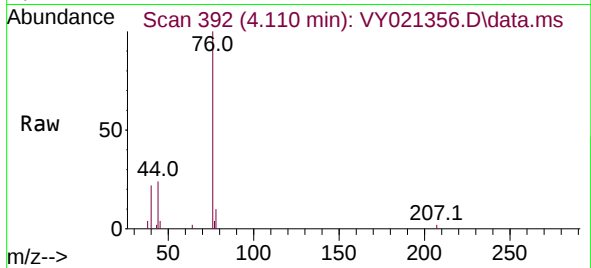




#17
Carbon Disulfide
Concen: 2.535 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

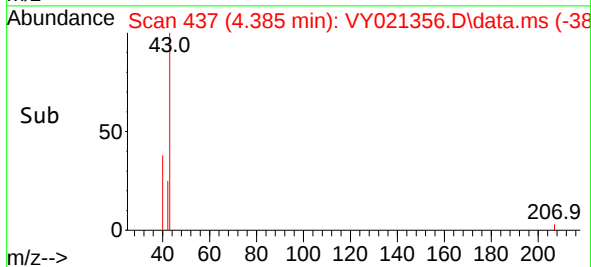
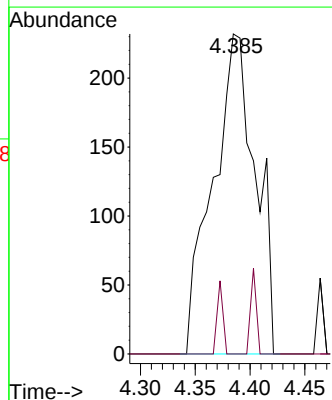
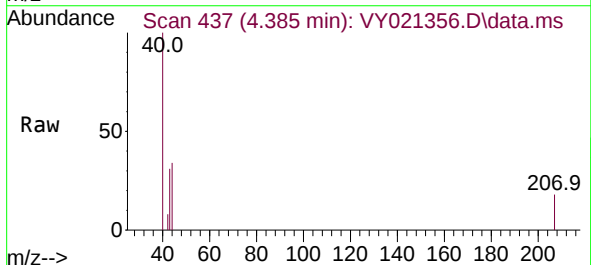
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

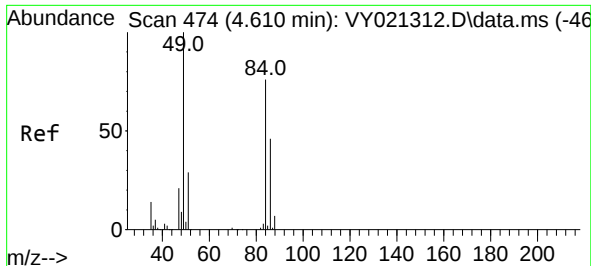
Tgt Ion: 76 Resp: 8561
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#18
Methyl Acetate
Concen: 1.165 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
74 3.0 17.7 26.5#

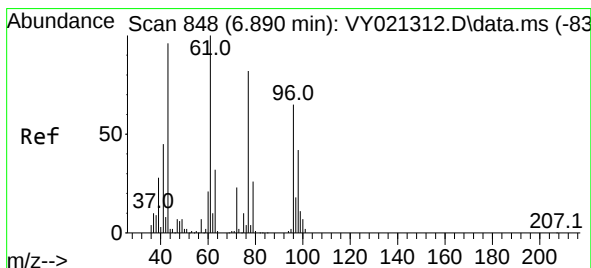
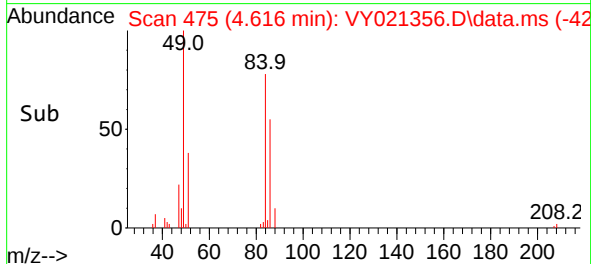
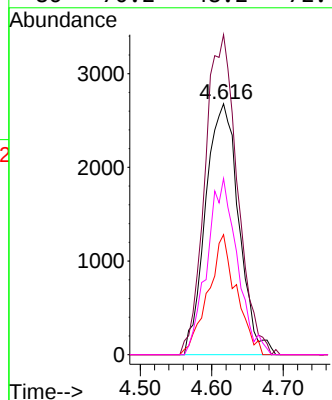
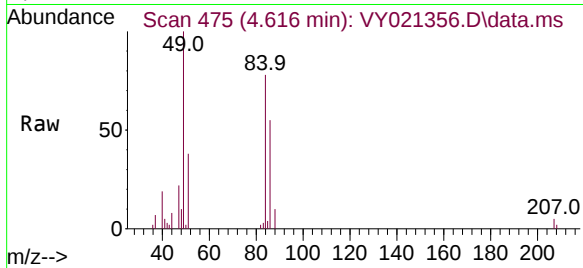




#20
Methylene Chloride
Concen: 7.268 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

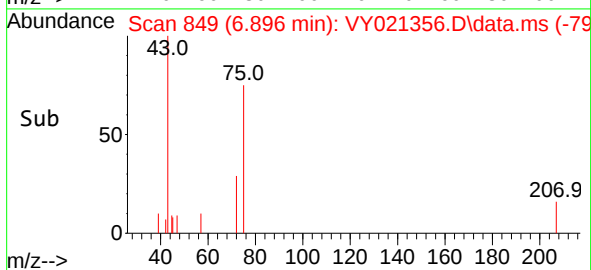
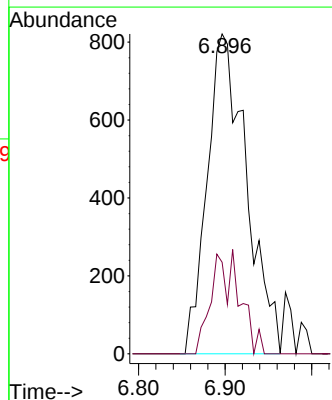
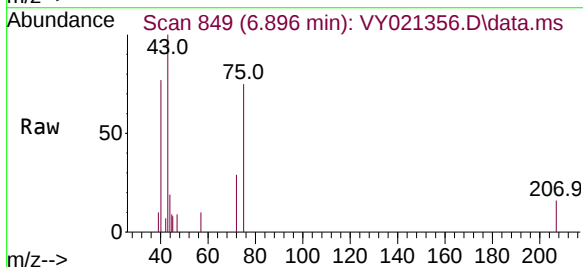
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

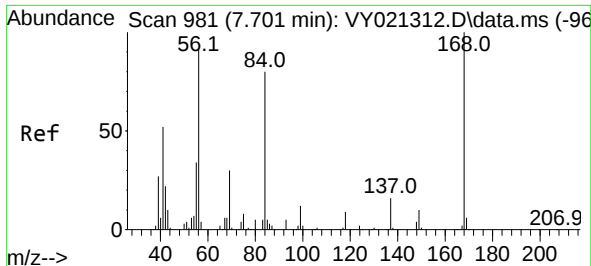
Tgt Ion: 84 Resp: 8645
Ion Ratio Lower Upper
84 100
49 127.6 105.1 157.7
51 47.9 31.0 46.4#
86 70.2 48.2 72.4



#25
2-Butanone
Concen: 7.808 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
72 28.6 19.0 28.6#

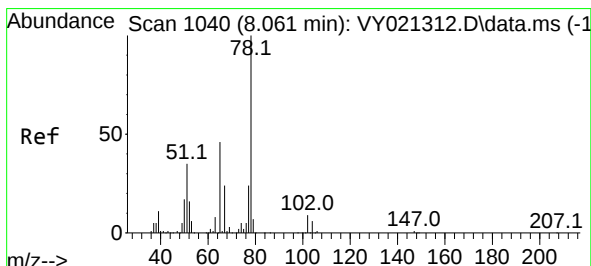
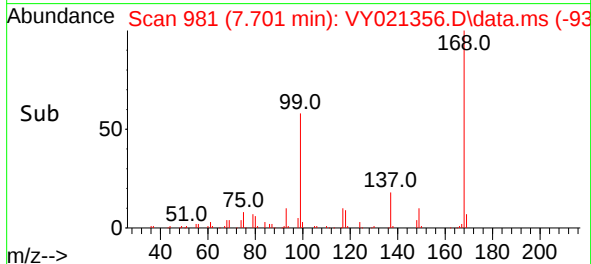
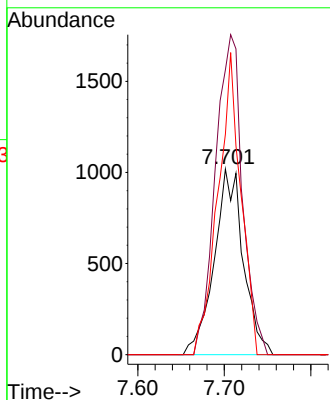
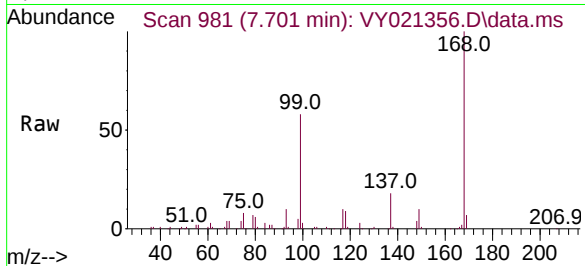




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

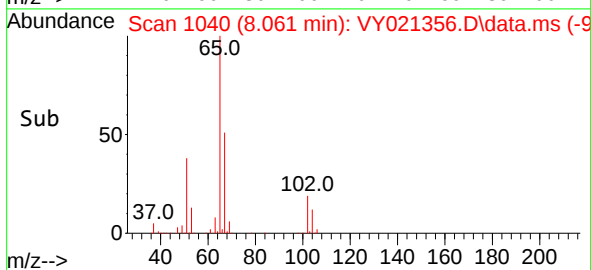
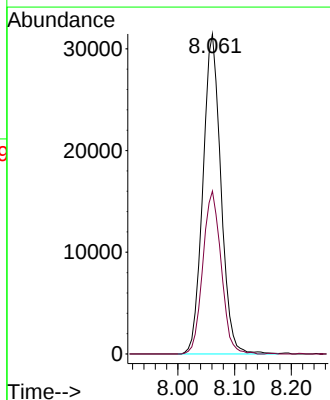
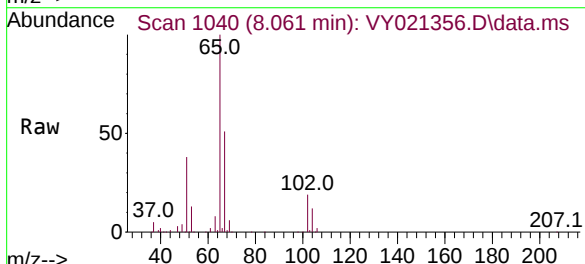
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

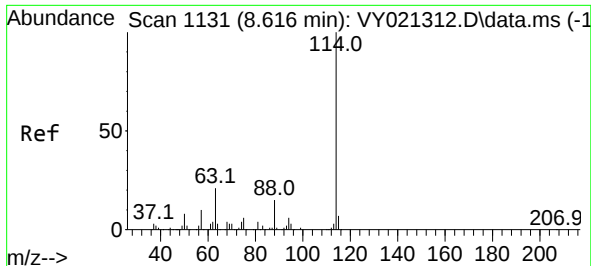
Tgt Ion: 56 Resp: 2377
Ion Ratio Lower Upper
56 100
69 153.5 26.2 39.4#
84 118.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 60.363 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 65 Resp: 69216
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B-154-SB02

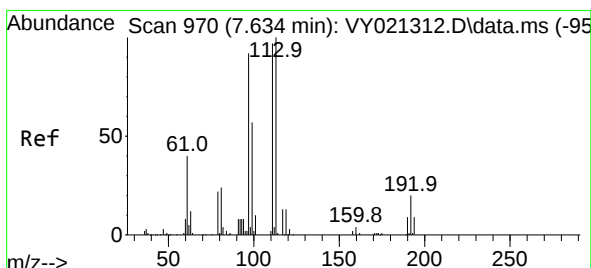
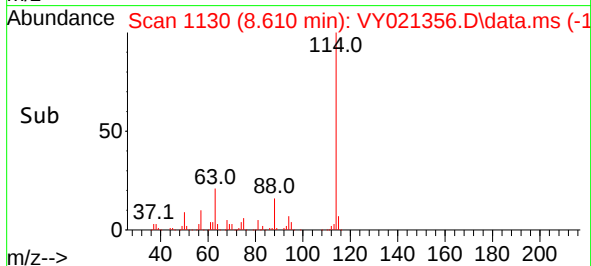
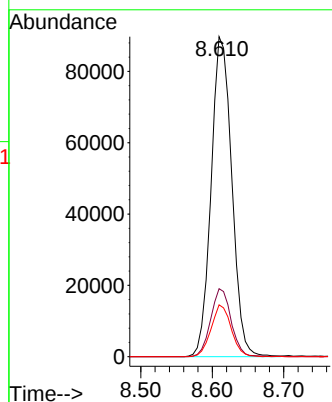
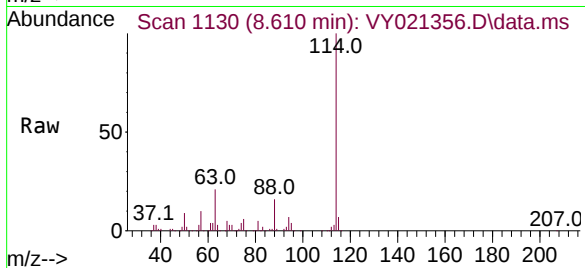
Tgt Ion:114 Resp: 180077

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.2

88 16.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 54.536 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

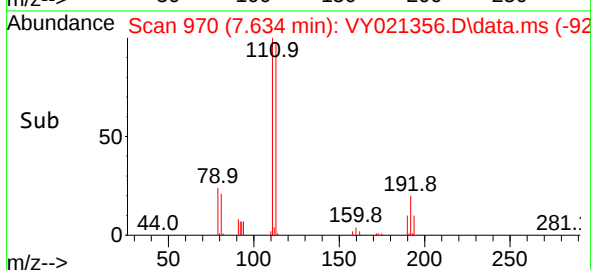
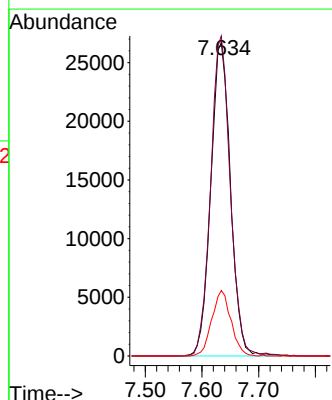
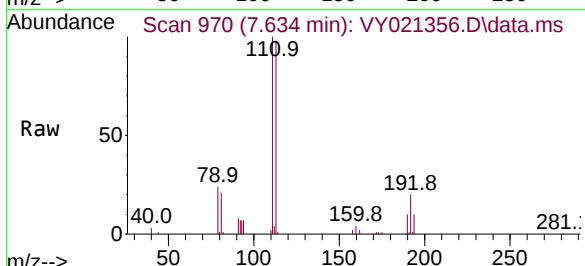
Tgt Ion:113 Resp: 64385

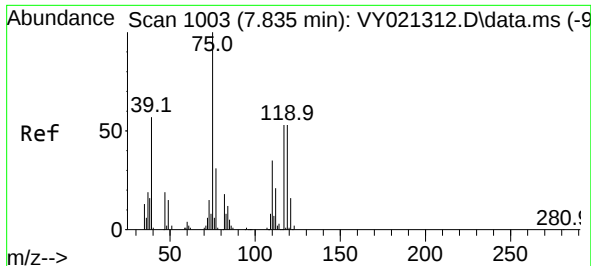
Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.6

192 20.3 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.552 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B-154-SB02

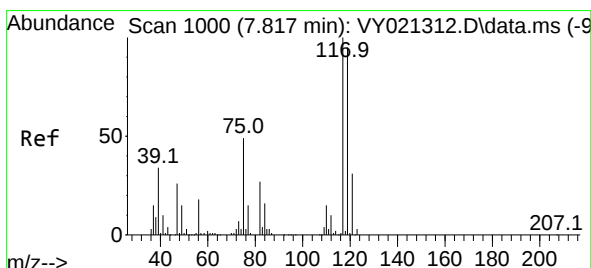
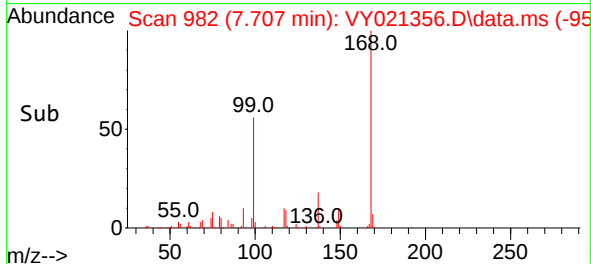
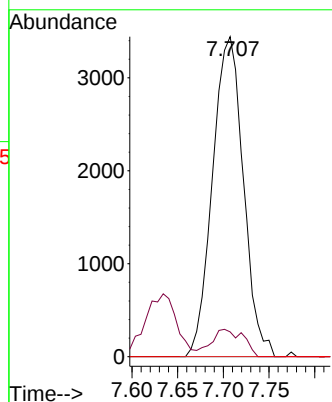
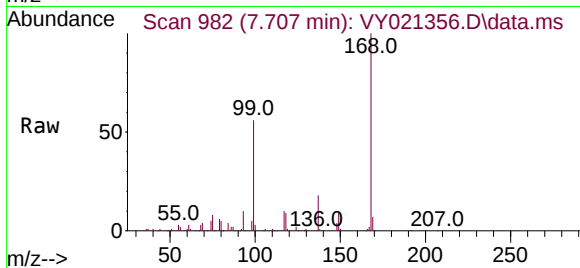
Tgt Ion: 75 Resp: 8073

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.199 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

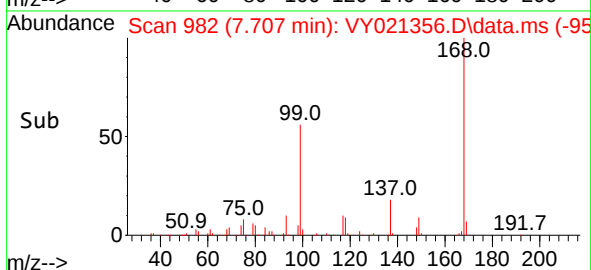
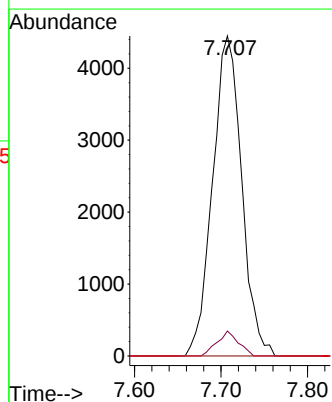
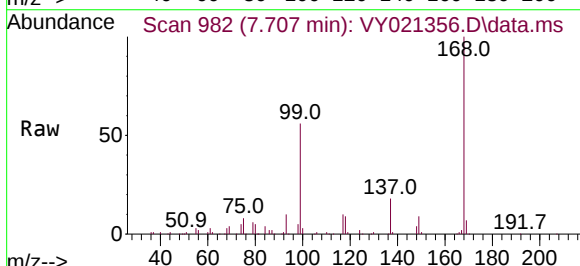
Tgt Ion: 117 Resp: 10366

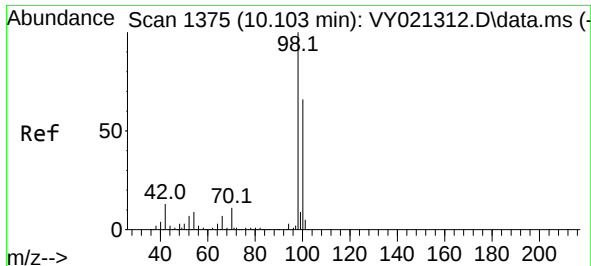
Ion Ratio Lower Upper

117 100

119 7.8 76.0 114.0#

121 0.0 24.9 37.3#

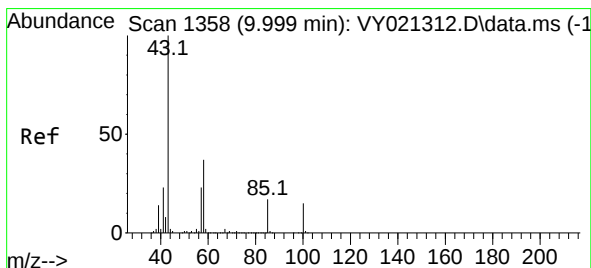
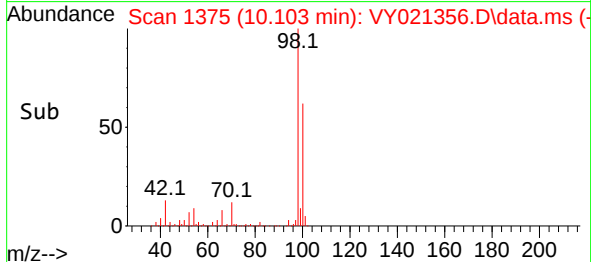
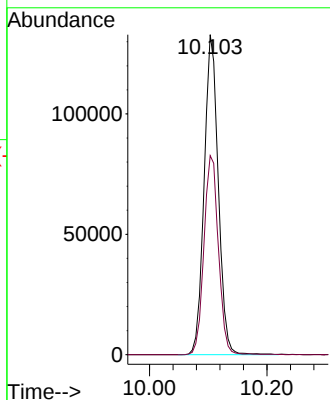
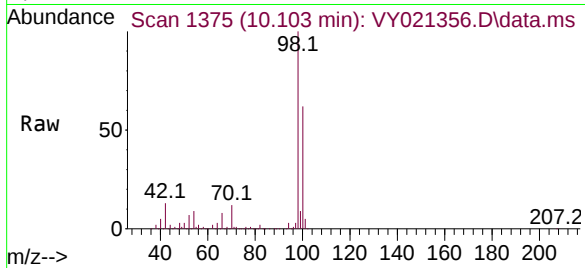




#50
Toluene-d8
Concen: 48.689 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

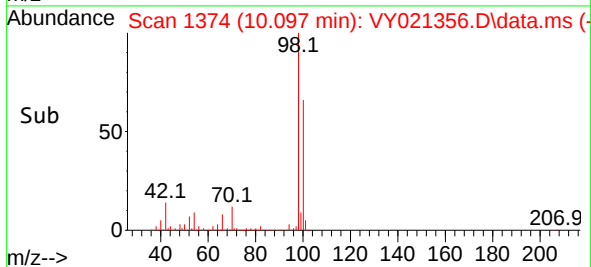
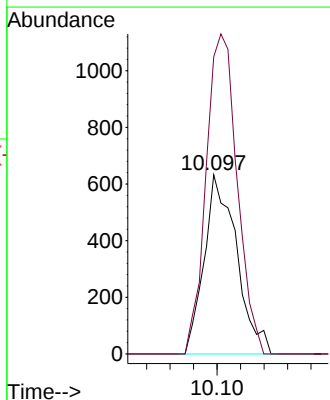
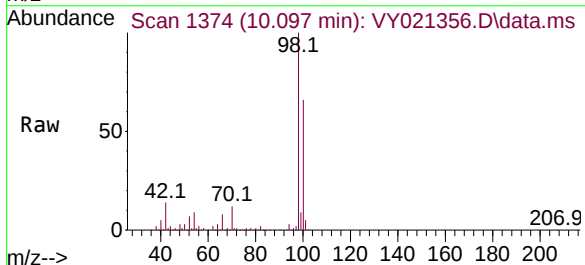
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

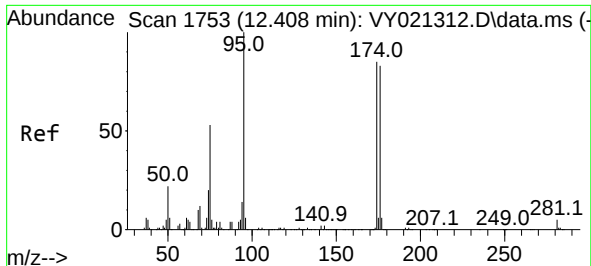
Tgt Ion: 98 Resp: 222153
Ion Ratio Lower Upper
98 100
100 63.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.386 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 171.6 30.1 45.1#

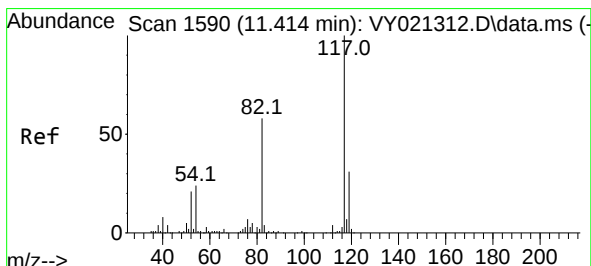
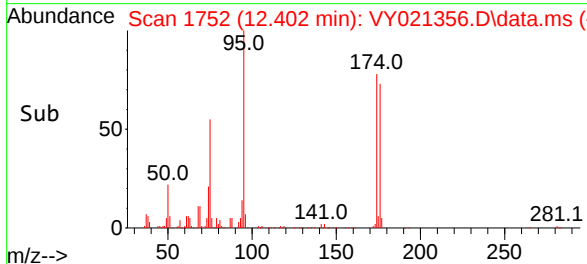
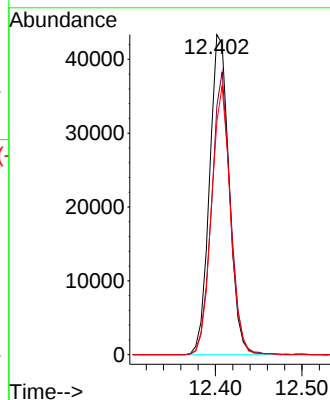
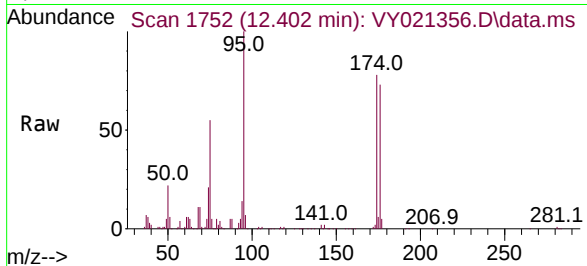




#62
4-Bromofluorobenzene
Concen: 44.281 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

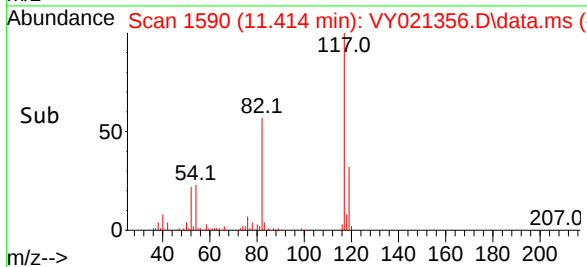
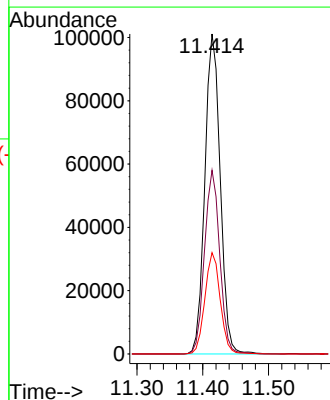
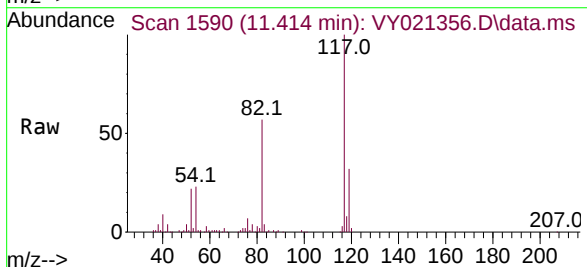
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

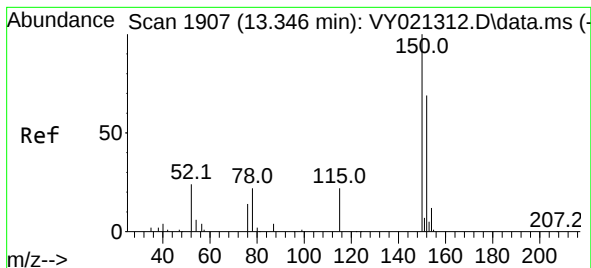
Tgt Ion: 95 Resp: 67996
Ion Ratio Lower Upper
95 100
174 84.7 0.0 168.0
176 81.4 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Tgt Ion: 117 Resp: 164666
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 31.7 24.9 37.3

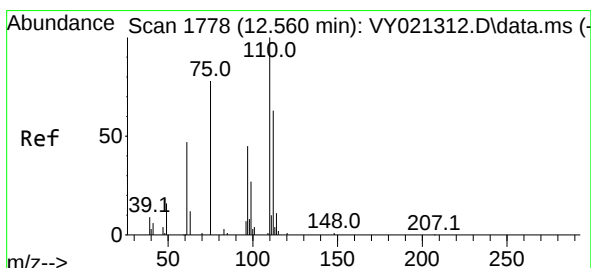
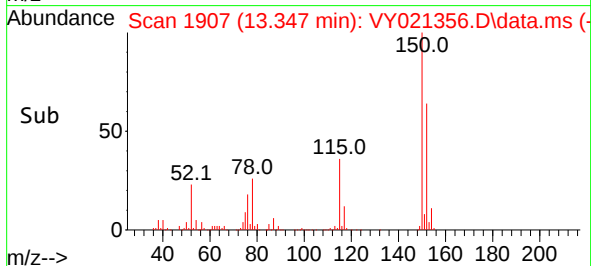
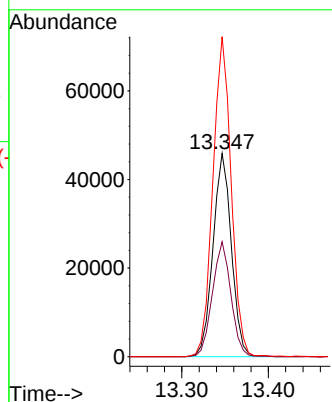
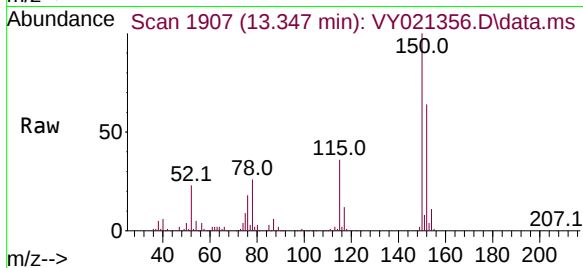




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

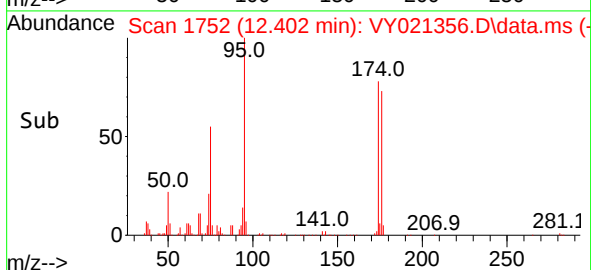
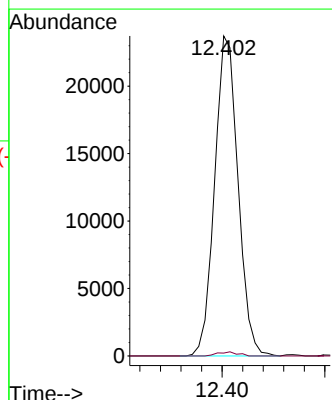
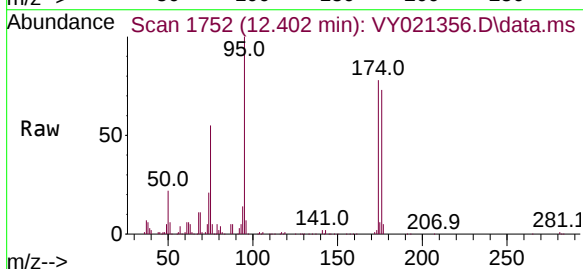
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02

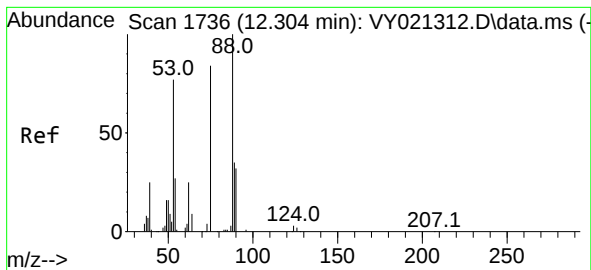
Tgt Ion:152 Resp: 67669
Ion Ratio Lower Upper
152 100
115 56.9 29.3 88.0
150 156.7 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 55.174 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

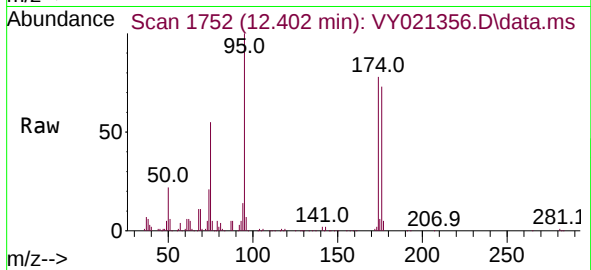
Tgt Ion: 75 Resp: 37371
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.632 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021356.D
Acq: 27 Feb 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	79.1	118.7#
89	0.0	35.6	53.4#

