

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021357.D
 Acq On : 27 Feb 2025 14:48
 Operator : SY/MD
 Sample : Q1422-01
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-154-SB01

Quant Time: Feb 28 00:42:09 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)

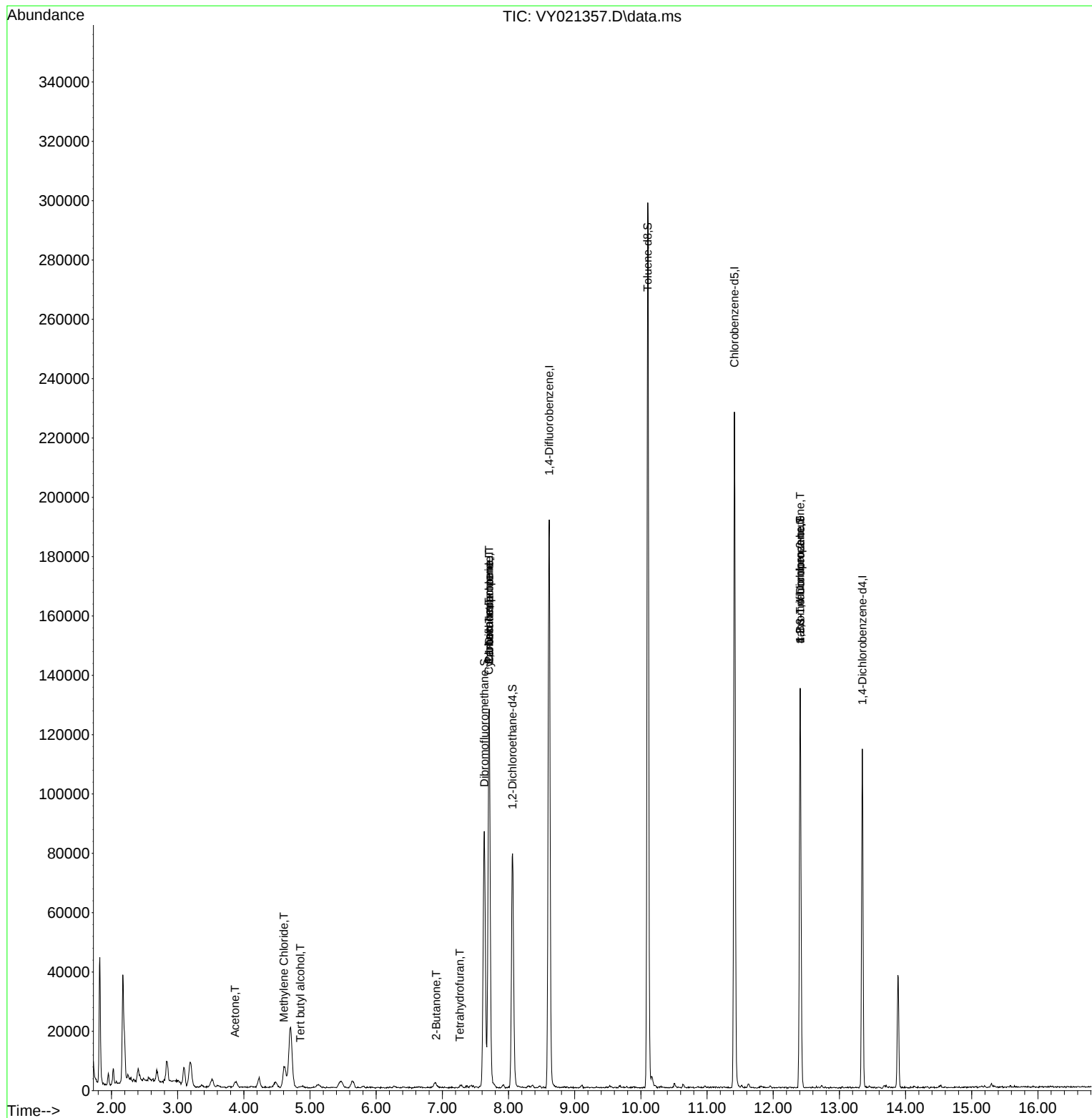
Internal Standards						
1) Pentafluorobenzene	7.707	168	96952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	160918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	115865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	27807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	63167	57.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.860%	
35) Dibromofluoromethane	7.634	113	58988	55.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.820%	
50) Toluene-d8	10.103	98	191349	46.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.860%	
62) 4-Bromofluorobenzene	12.408	95	35465	25.846	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 51.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	880	10.402	ug/l #	72
16) Acetone	3.866	43	3021	14.319	ug/l	97
20) Methylene Chloride	4.604	84	5020	4.400	ug/l	91
25) 2-Butanone	6.909	43	341	1.071	ug/l #	52
29) Tetrahydrofuran	7.262	42	289	1.389	ug/l #	35
31) Cyclohexane	7.701	56	2703	1.394	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	8068	5.091	ug/l #	51
38) Carbon Tetrachloride	7.707	117	10010	5.619	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	19784	71.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	19784	157.986	ug/l #	10

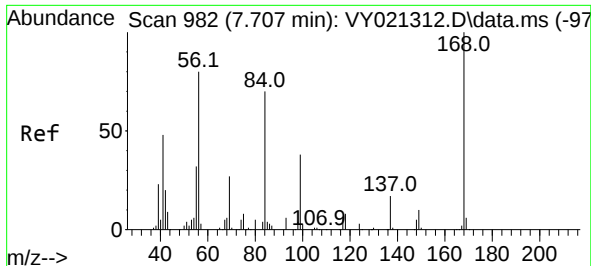
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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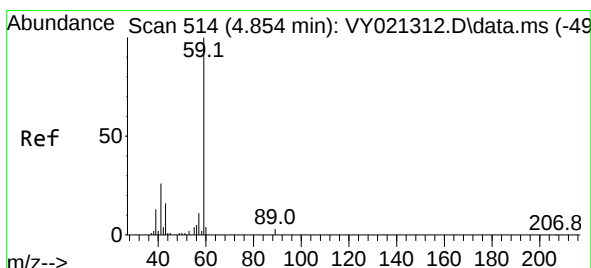
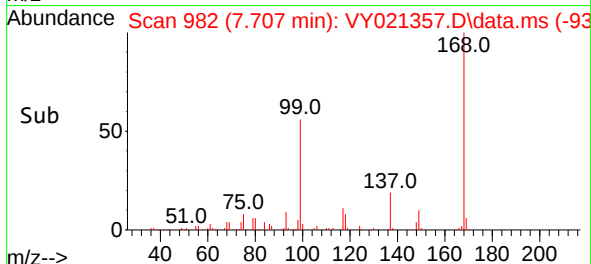
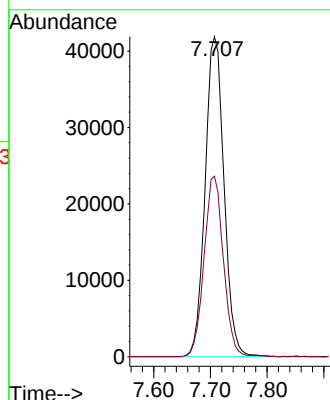
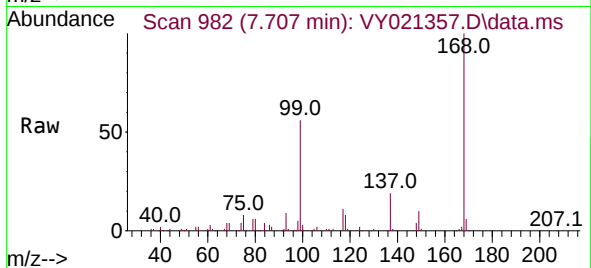




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

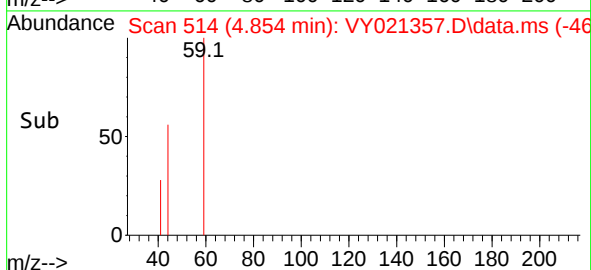
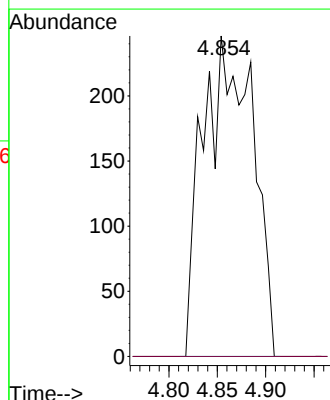
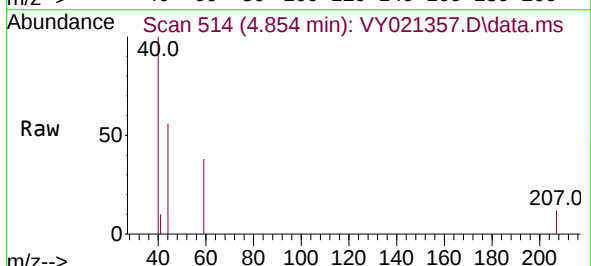
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB01

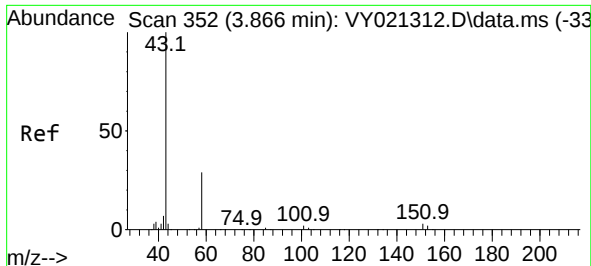
Tgt Ion:168 Resp: 96952
Ion Ratio Lower Upper
168 100
99 56.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 10.402 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion: 59 Resp: 880
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

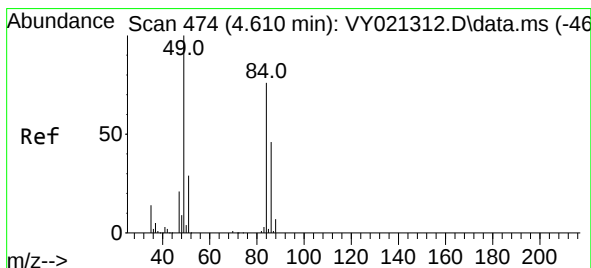
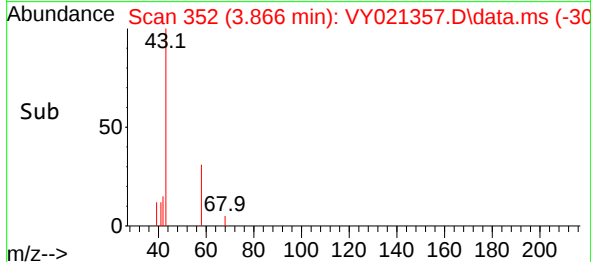
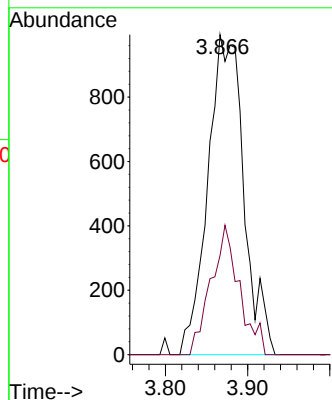
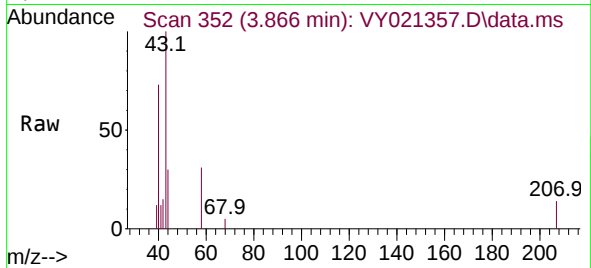




#16
Acetone
Concen: 14.319 ug/l
RT: 3.866 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

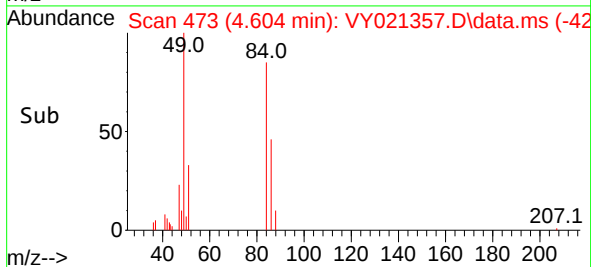
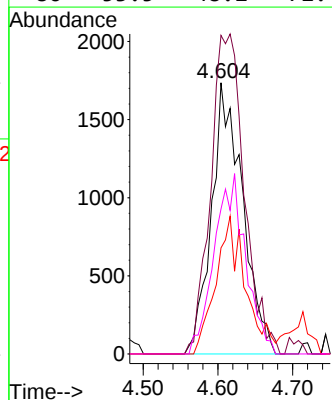
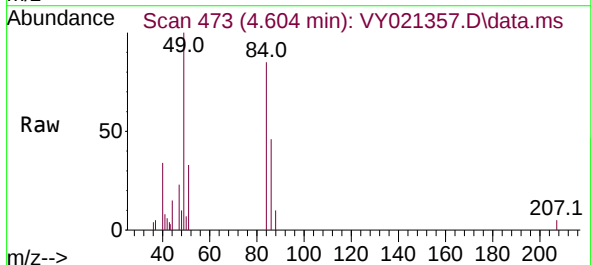
Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB01

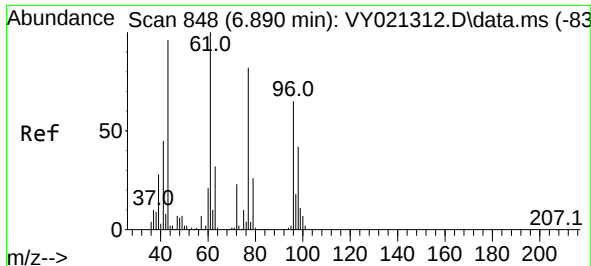
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 31.0 23.5 35.3



#20
Methylene Chloride
Concen: 4.400 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion: 84 Resp: 5020
Ion Ratio Lower Upper
84 100
49 117.5 105.1 157.7
51 39.1 31.0 46.4
86 53.5 48.2 72.4





#25

2-Butanone

Concen: 1.071 ug/l

RT: 6.909 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY021357.D

Acq: 27 Feb 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

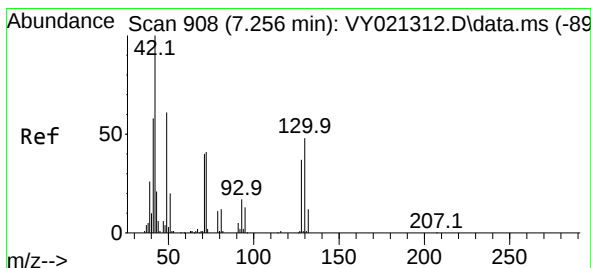
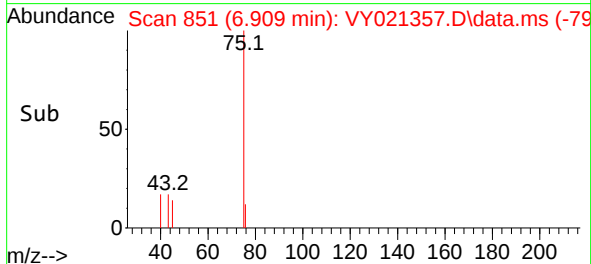
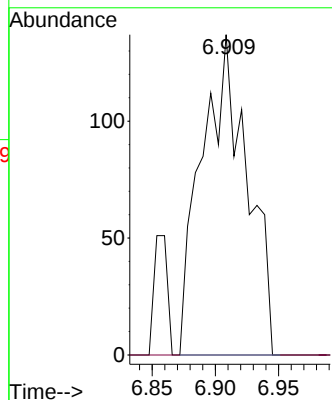
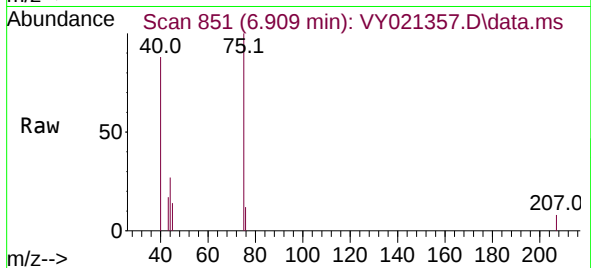
B-154-SB01

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



#29

Tetrahydrofuran

Concen: 1.389 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY021357.D

Acq: 27 Feb 2025 14:48

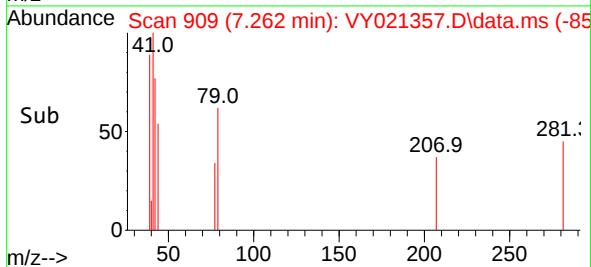
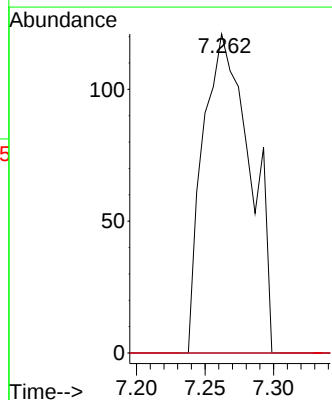
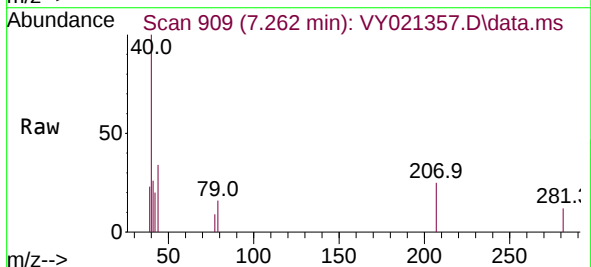
Tgt Ion: 42 Resp: 289

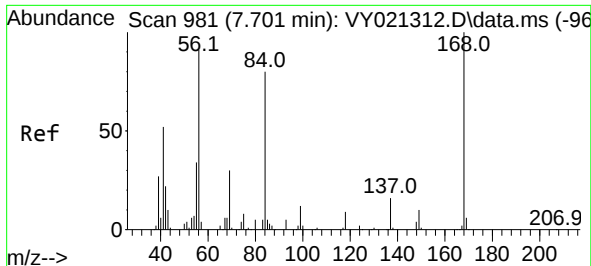
Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 0.0 31.4 47.0#

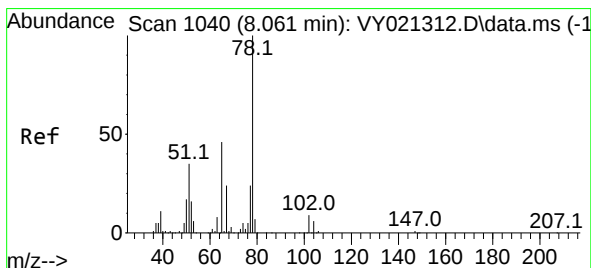
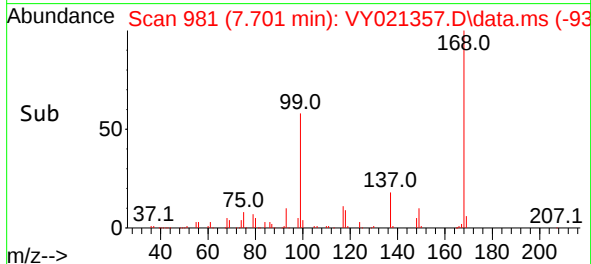
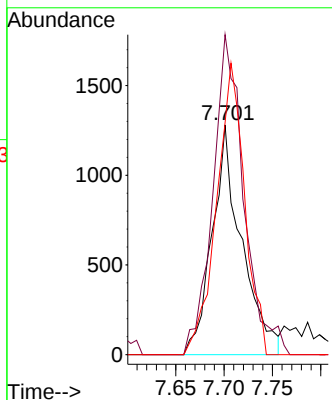
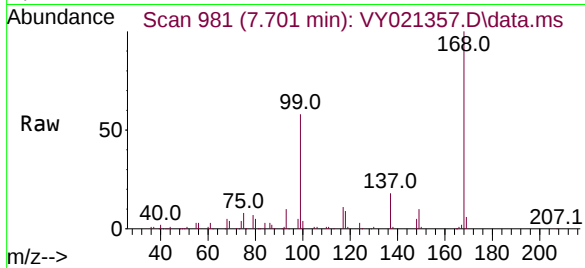




#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

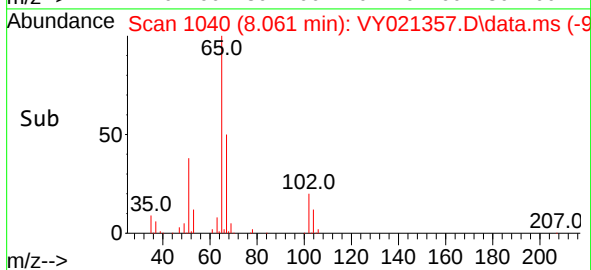
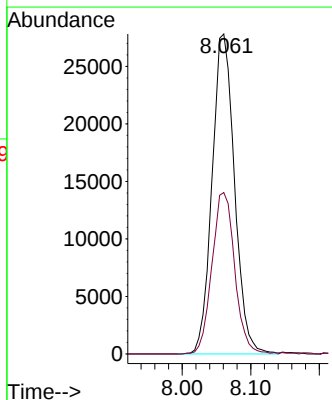
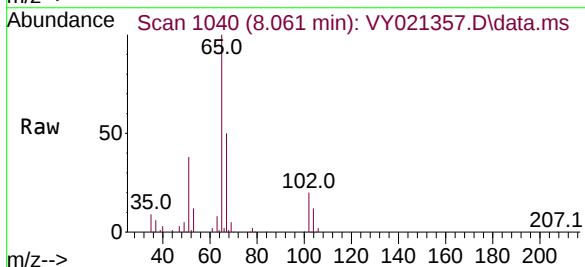
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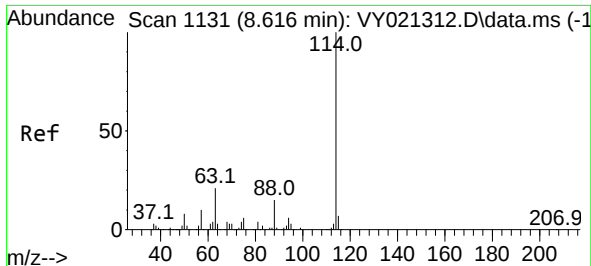
Tgt Ion: 56 Resp: 2703
Ion Ratio Lower Upper
56 100
69 139.3 26.2 39.4#
84 100.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 57.433 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion: 65 Resp: 63167
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.6

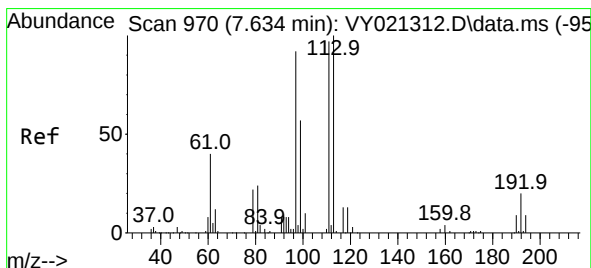
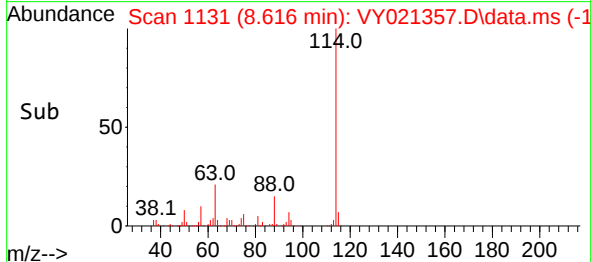
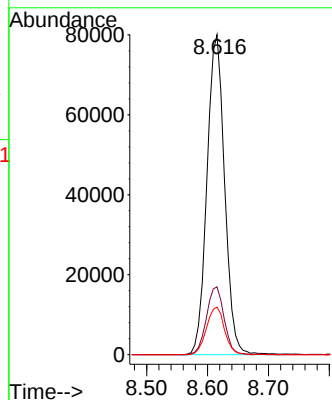
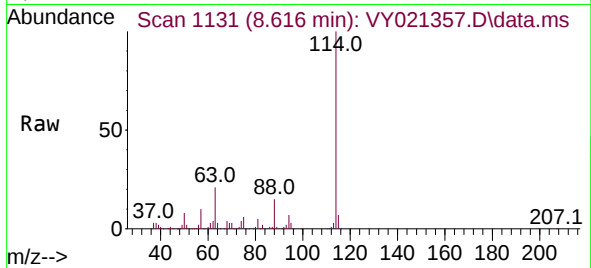




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

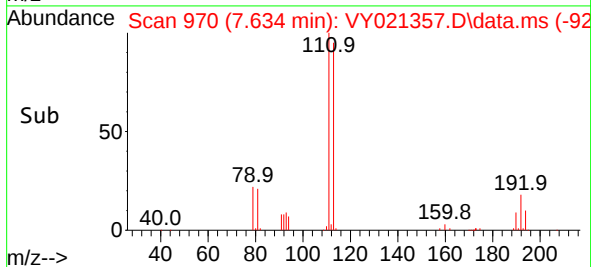
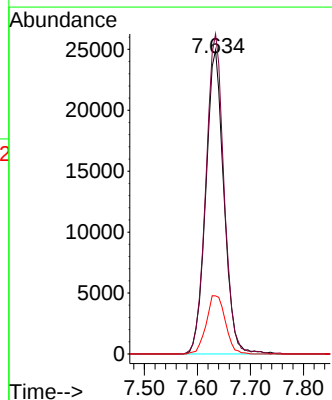
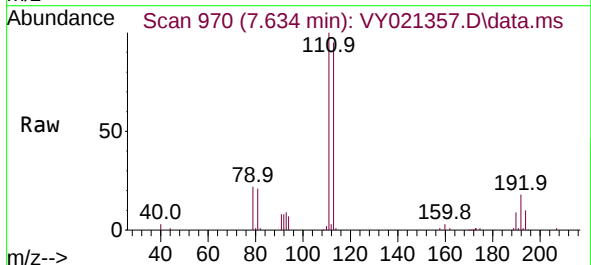
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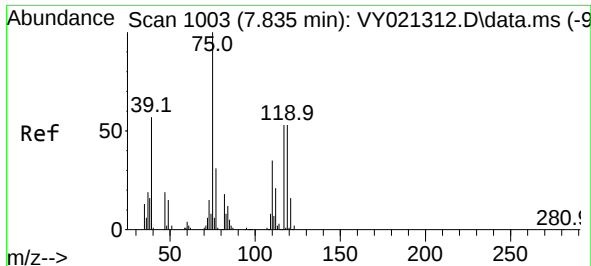
Tgt Ion:	114	Resp:	160918
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	14.9	0.0	29.8



#35
Dibromofluoromethane
Concen: 55.913 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion:	113	Resp:	58988
Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.0	121.6
192	20.3	15.8	23.8

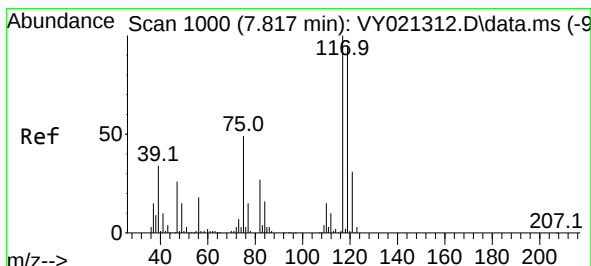
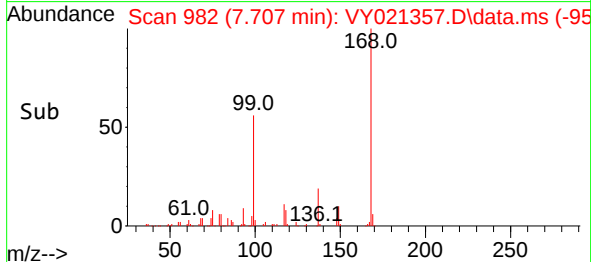
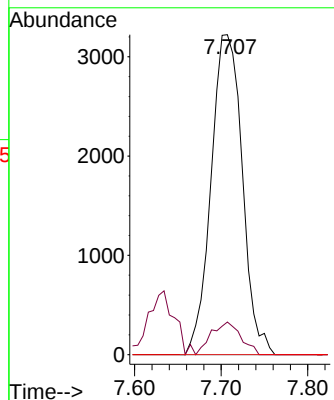
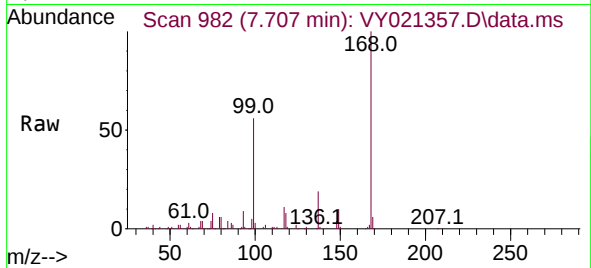




#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

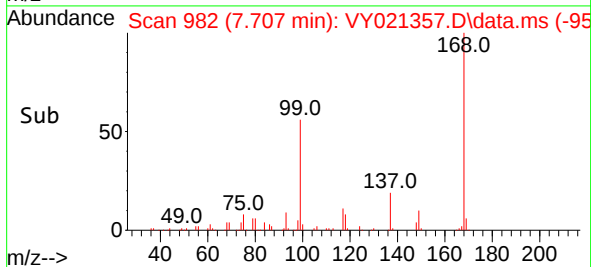
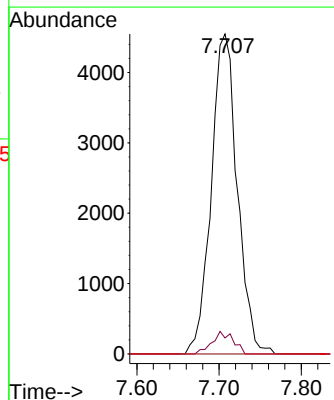
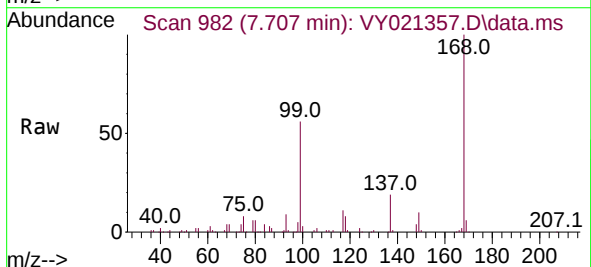
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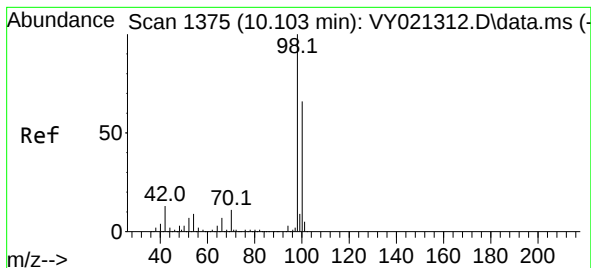
Tgt Ion: 75 Resp: 8068
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.619 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion: 117 Resp: 10010
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 46.931 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021357.D

Acq: 27 Feb 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

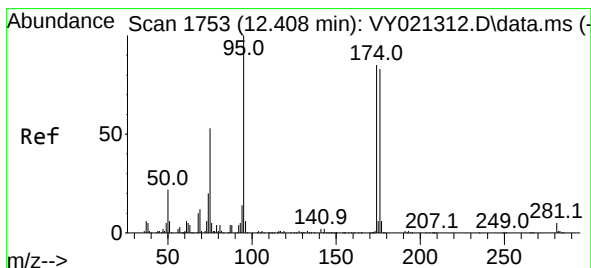
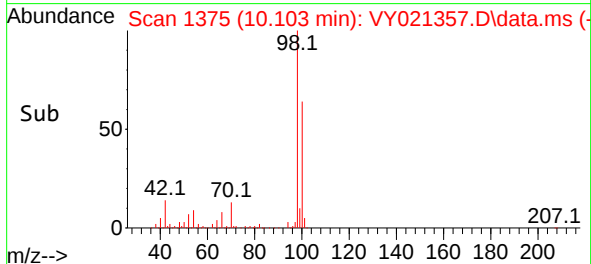
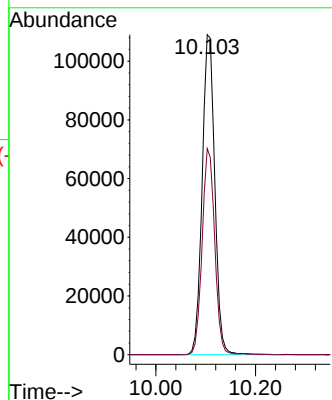
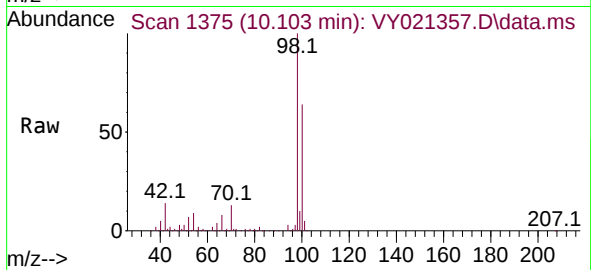
B-154-SB01

Tgt Ion: 98 Resp: 191349

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 25.846 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021357.D

Acq: 27 Feb 2025 14:48

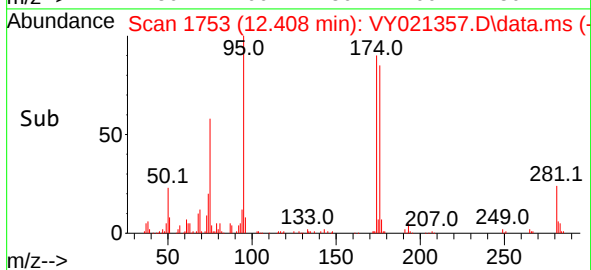
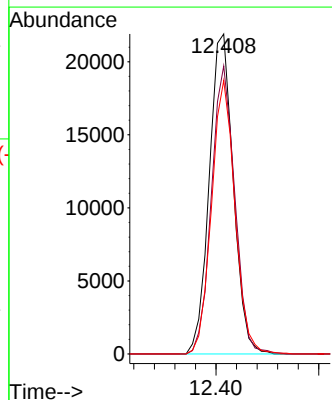
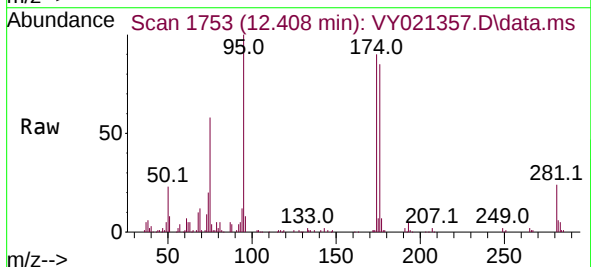
Tgt Ion: 95 Resp: 35465

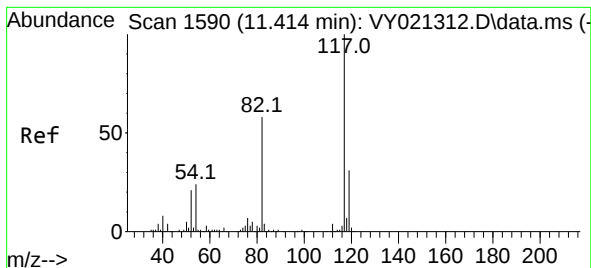
Ion Ratio Lower Upper

95 100

174 87.4 0.0 168.0

176 83.2 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: VY021357.D

Acq: 27 Feb 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

B-154-SB01

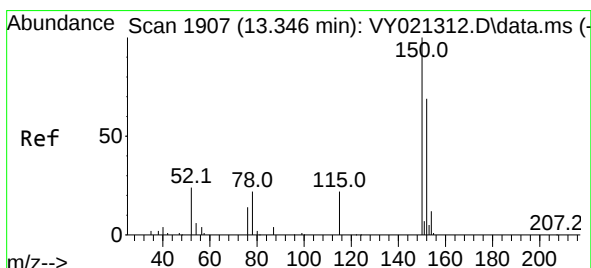
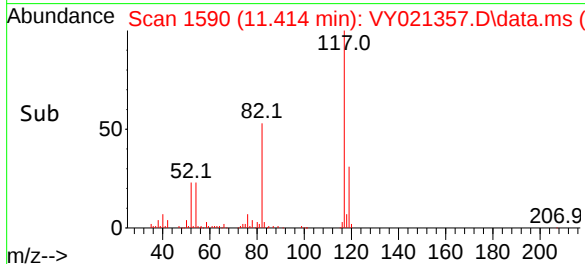
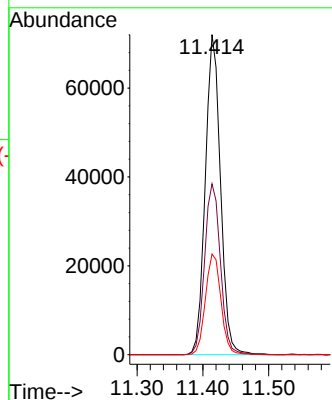
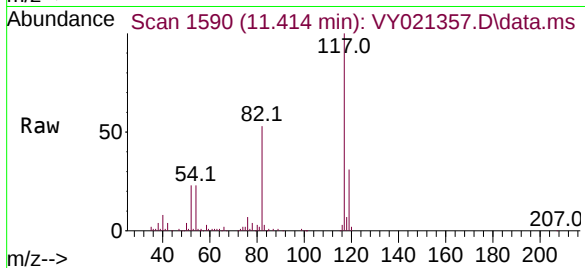
Tgt Ion:117 Resp: 115865

Ion Ratio Lower Upper

117 100

82 53.4 46.2 69.4

119 31.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021357.D

Acq: 27 Feb 2025 14:48

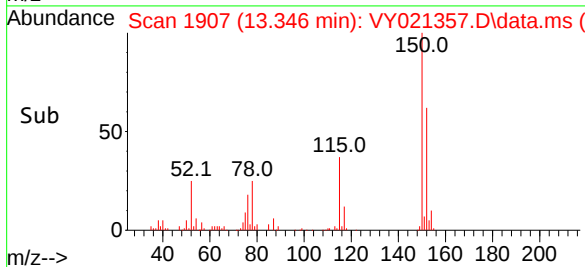
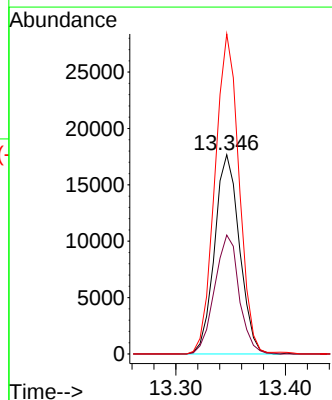
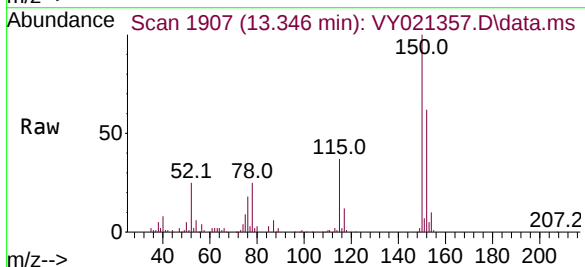
Tgt Ion:152 Resp: 27807

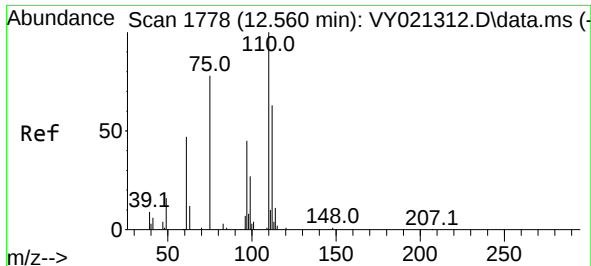
Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

150 156.4 0.0 347.4

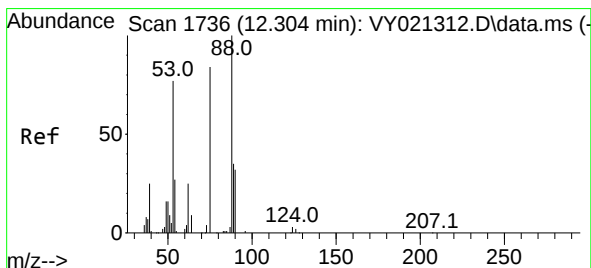
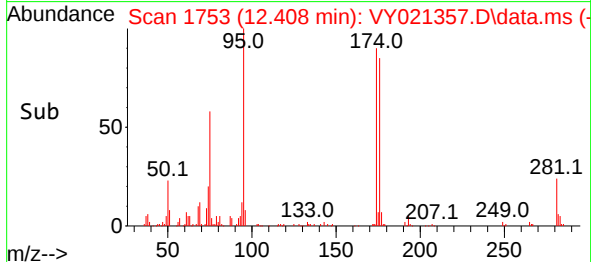
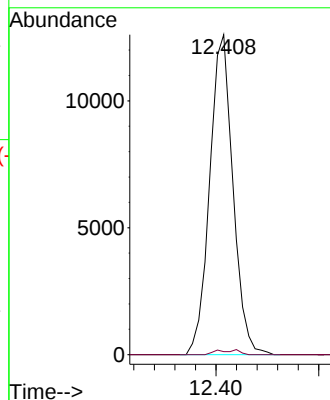
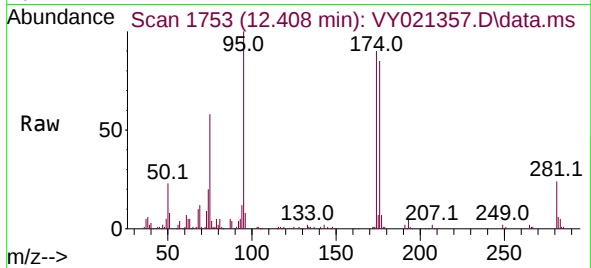




#76
1,2,3-Trichloropropane
Concen: 71.080 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
B-154-SB01

Tgt Ion: 75 Resp: 19784
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 157.986 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021357.D
Acq: 27 Feb 2025 14:48

Tgt Ion: 75 Resp: 19784
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 35.6 53.4#

