

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021354.D
 Acq On : 27 Feb 2025 13:38
 Operator : SY/MD
 Sample : Q1418-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-02242025

Quant Time: Feb 28 00:41:33 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)

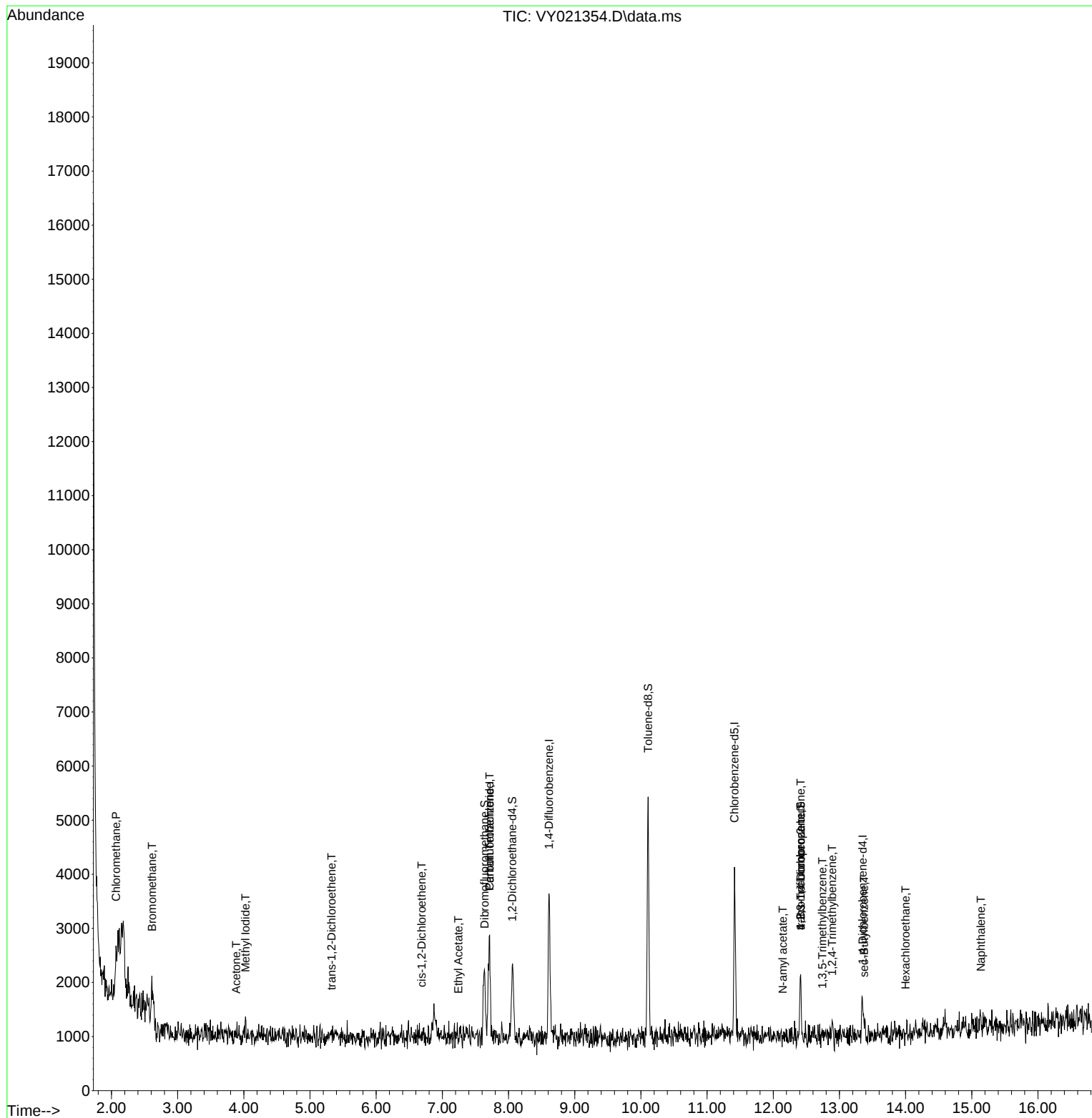
Internal Standards						
1) Pentafluorobenzene	7.713	168	1821	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	2804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1897	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1410	68.256	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.520%	
35) Dibromofluoromethane	7.640	113	1077	58.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.180%	
50) Toluene-d8	10.109	98	3094	43.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.100%	
62) 4-Bromofluorobenzene	12.414	95	458	19.155	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 38.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	233	10.450	ug/l	99
5) Bromomethane	2.610	94	228	15.677	ug/l #	69
10) Methyl Iodide	4.025	142	391	19.422	ug/l #	36
16) Acetone	3.885	43	27	6.814	ug/l #	45
21) trans-1,2-Dichloroethene	5.323	96	48	2.380	ug/l #	1
27) cis-1,2-Dichloroethene	6.689	96	24	1.042	ug/l #	1
37) Ethyl Acetate	7.244	43	19	1.383	ug/l #	70
38) Carbon Tetrachloride	7.713	117	239	7.699	ug/l #	12
74) N-amyl acetate	12.145	43	76	11.767	ug/l #	44
76) 1,2,3-Trichloropropane	12.414	75	277	81.875	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	72	3.455	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.414	75	277	181.979	ug/l #	10
84) 1,2,4-Trimethylbenzene	12.889	105	204	9.842	ug/l #	50
85) sec-Butylbenzene	13.371	105	232	8.437	ug/l #	56
90) Hexachloroethane	13.999	117	113	23.560	ug/l #	11
95) Naphthalene	15.139	128	272	26.267	ug/l #	69

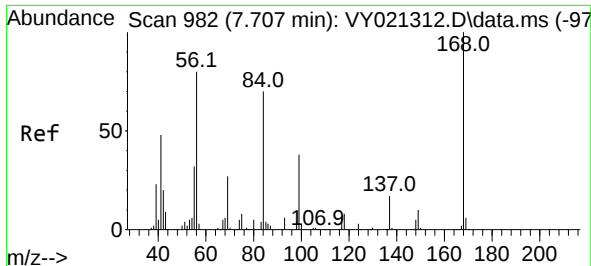
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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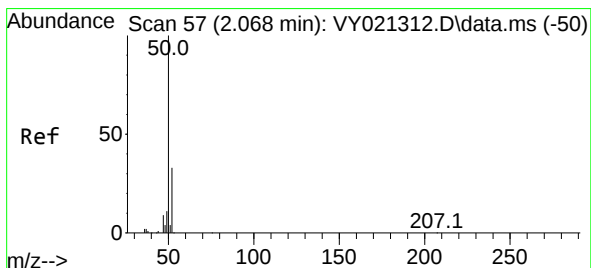
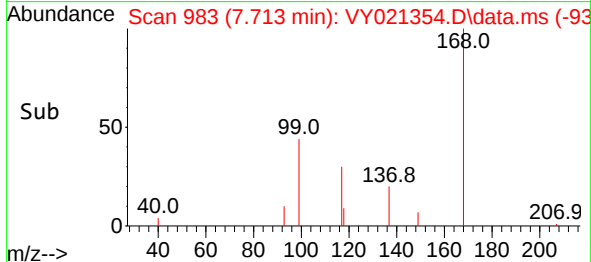
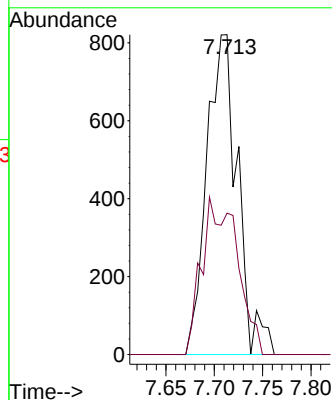
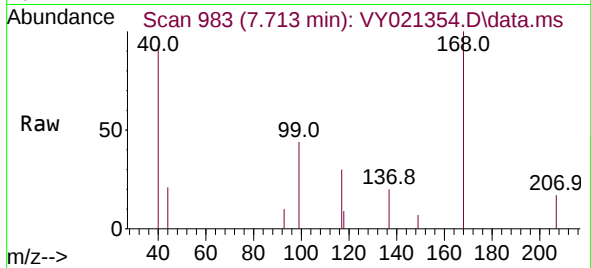




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

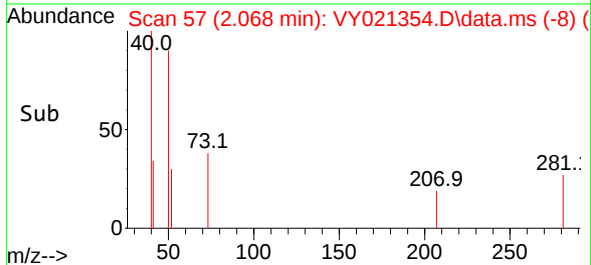
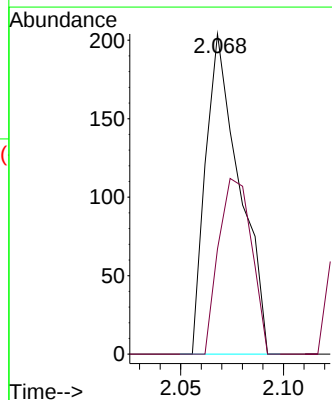
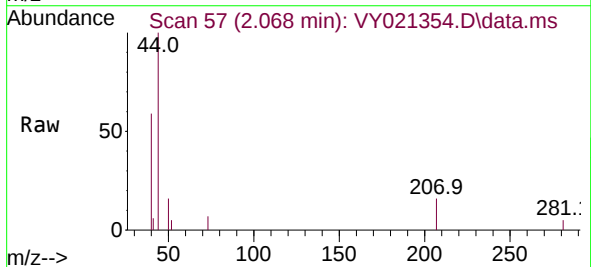
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-02242025

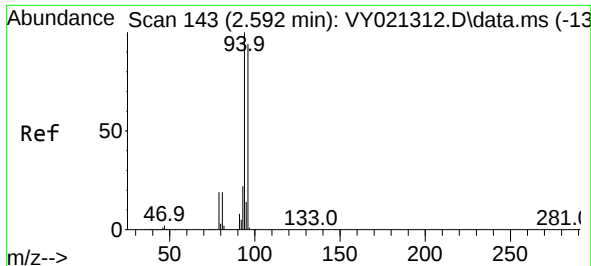
Tgt Ion:168 Resp: 1821
Ion Ratio Lower Upper
168 100
99 44.2 47.1 70.7#



#3
Chloromethane
Concen: 10.450 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 32.8 26.6 40.0

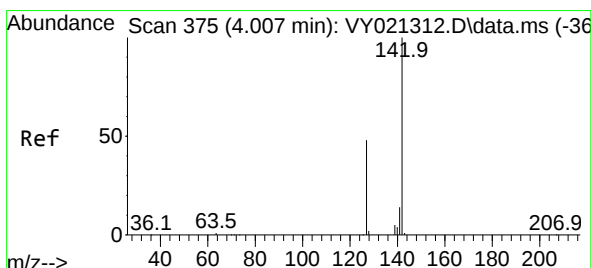
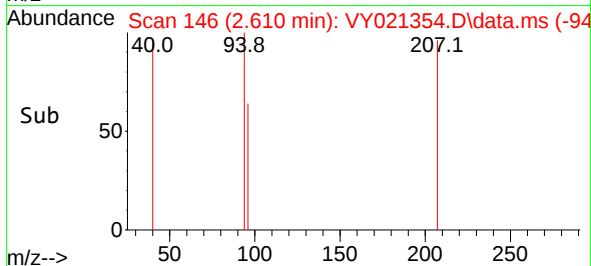
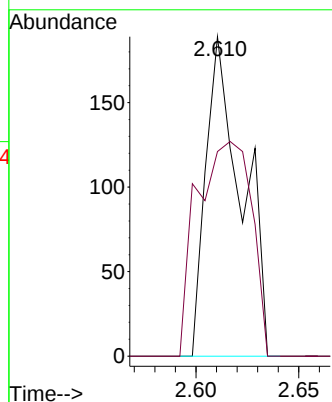
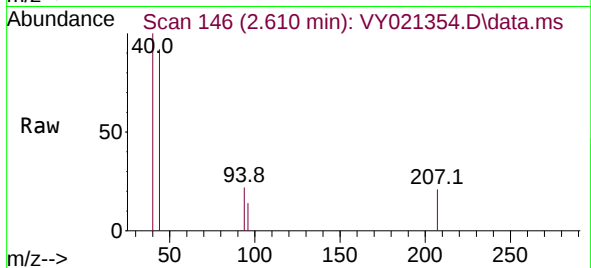




#5
Bromomethane
Concen: 15.677 ug/l
RT: 2.610 min Scan# 143
Delta R.T. 0.018 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

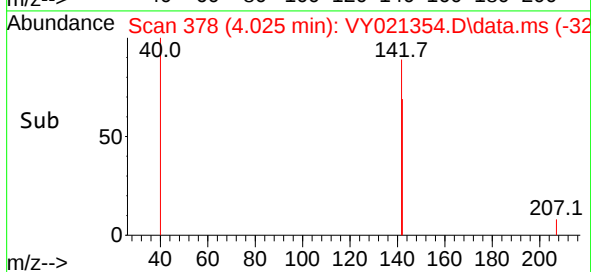
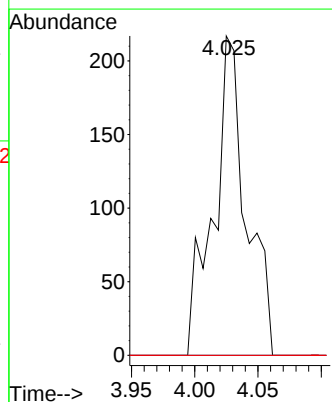
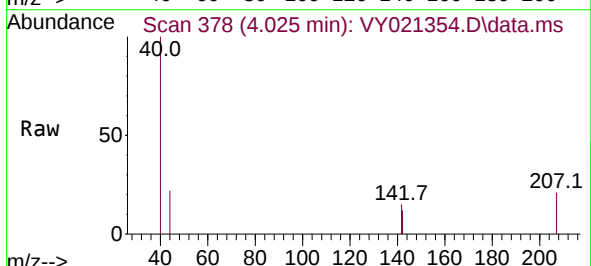
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-02242025

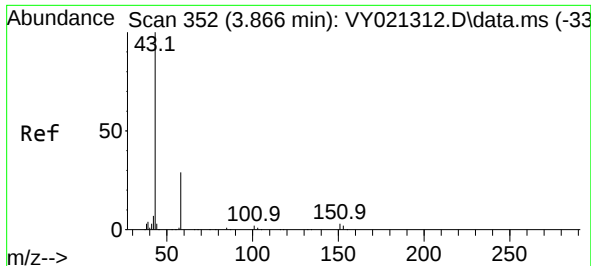
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 64.0 75.2 112.8#



#10
Methyl Iodide
Concen: 19.422 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.018 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion:142 Resp: 391
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 6.814 ug/l

RT: 3.885 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

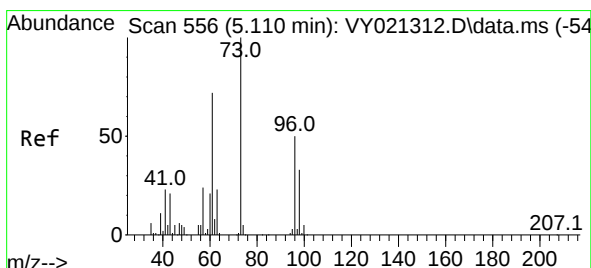
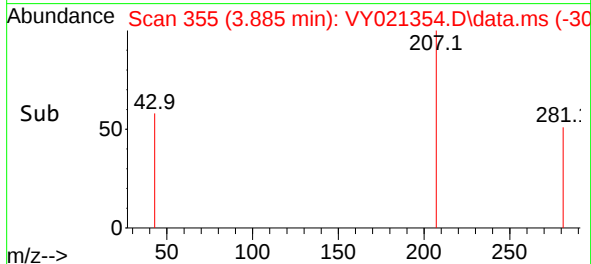
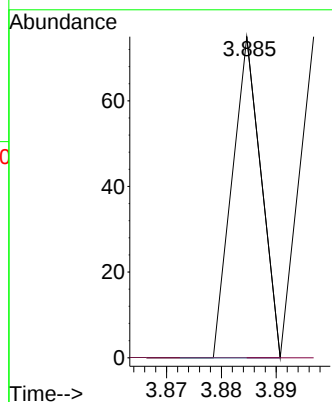
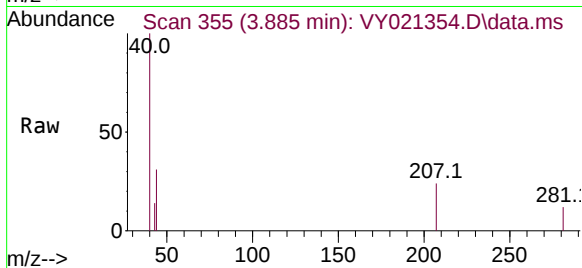
TR-06-02242025

Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

58 0.0 23.5 35.3#



#21

trans-1,2-Dichloroethene

Concen: 2.380 ug/l

RT: 5.323 min Scan# 591

Delta R.T. 0.213 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

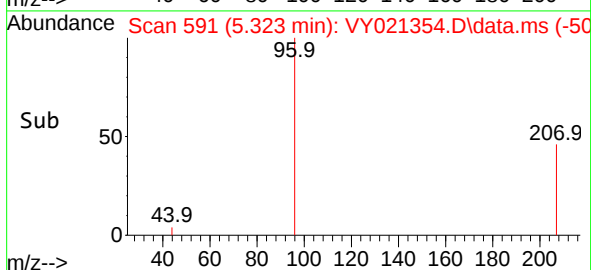
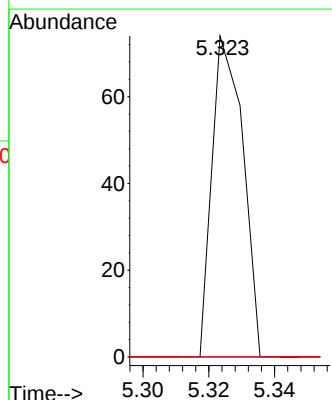
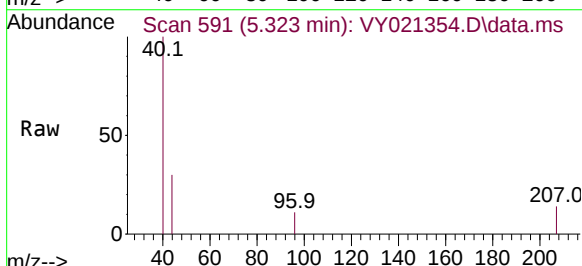
Tgt Ion: 96 Resp: 48

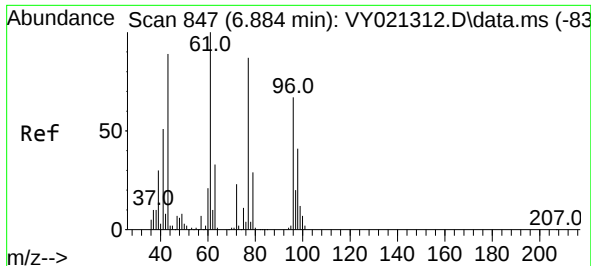
Ion Ratio Lower Upper

96 100

61 0.0 116.3 174.5#

98 0.0 52.6 78.8#

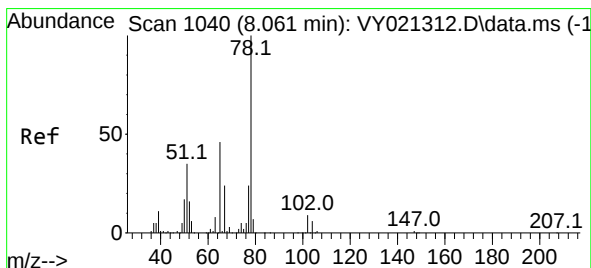
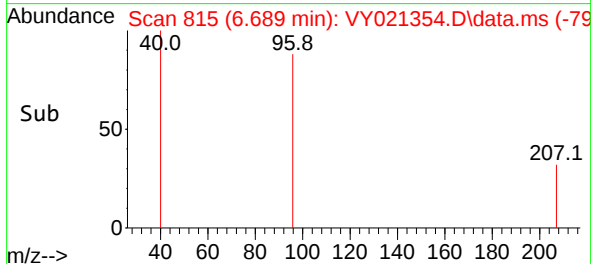
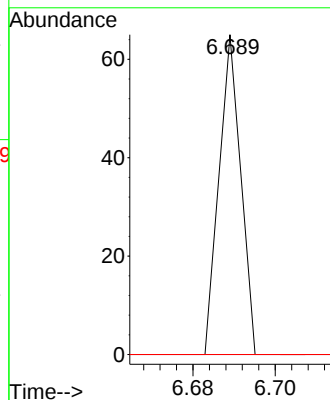
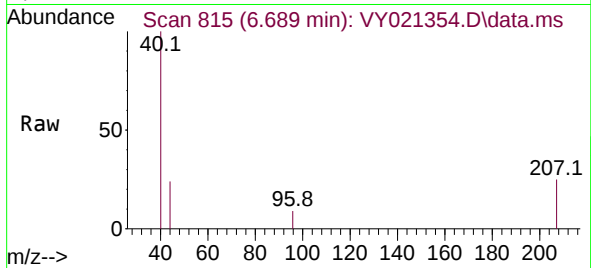




#27
 cis-1,2-Dichloroethene
 Concen: 1.042 ug/l
 RT: 6.689 min Scan# 815
 Delta R.T. -0.195 min
 Lab File: VY021354.D
 Acq: 27 Feb 2025 13:38

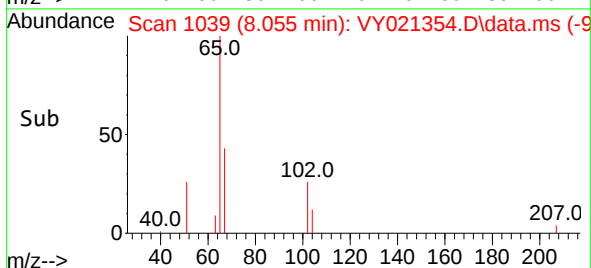
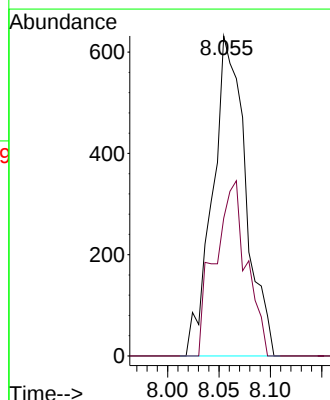
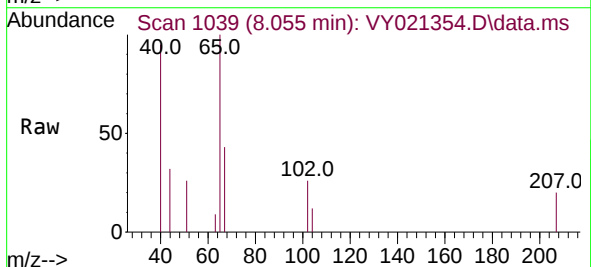
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-02242025

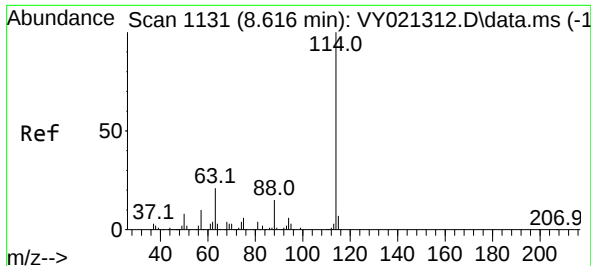
Tgt Ion: 96 Resp: 24
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 308.0
 98 0.0 0.0 129.6



#33
 1,2-Dichloroethane-d4
 Concen: 68.256 ug/l
 RT: 8.055 min Scan# 1039
 Delta R.T. -0.006 min
 Lab File: VY021354.D
 Acq: 27 Feb 2025 13:38

Tgt Ion: 65 Resp: 1410
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-02242025

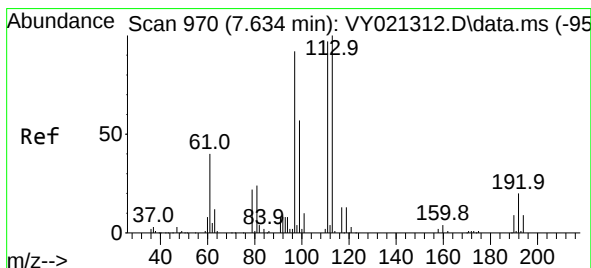
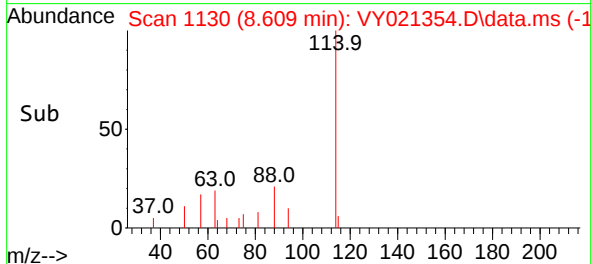
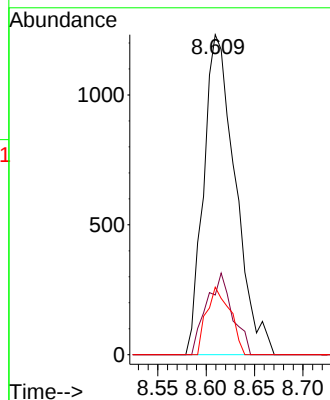
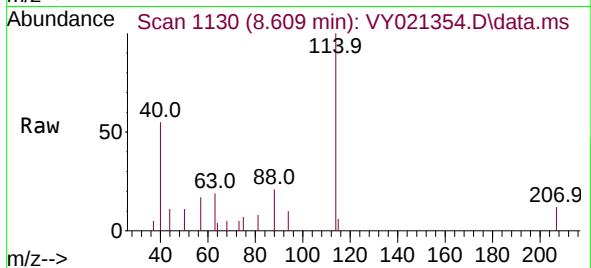
Tgt Ion:114 Resp: 2804

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.2

88 21.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 58.586 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

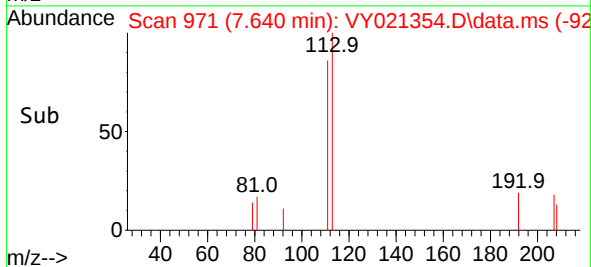
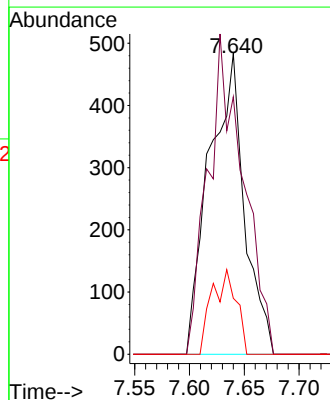
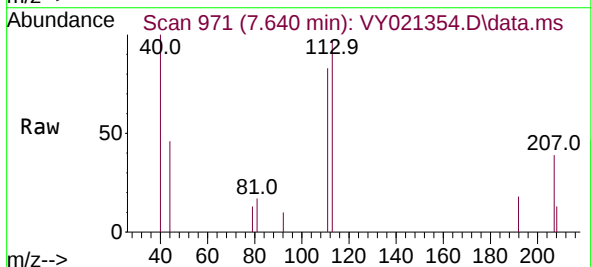
Tgt Ion:113 Resp: 1077

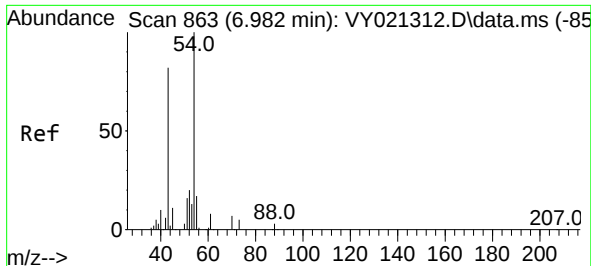
Ion Ratio Lower Upper

113 100

111 106.1 81.0 121.6

192 19.6 15.8 23.8





#37

Ethyl Acetate

Concen: 1.383 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.262 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-02242025

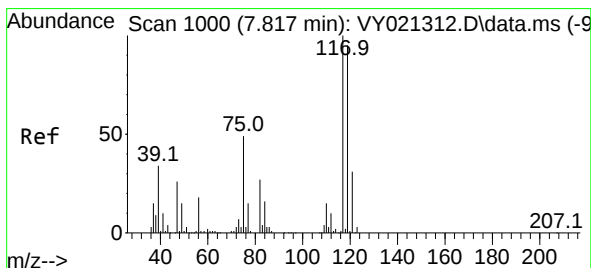
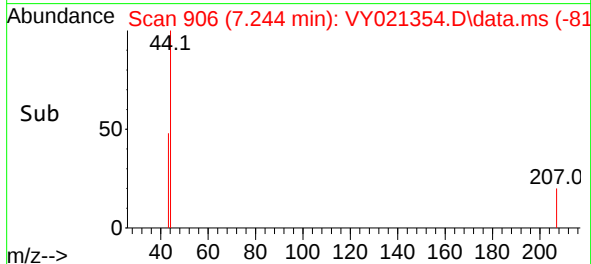
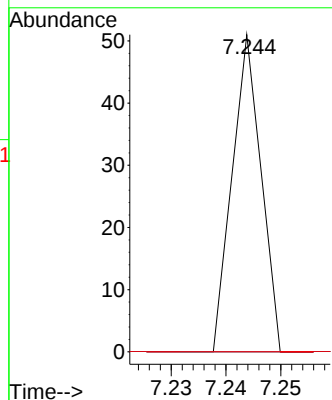
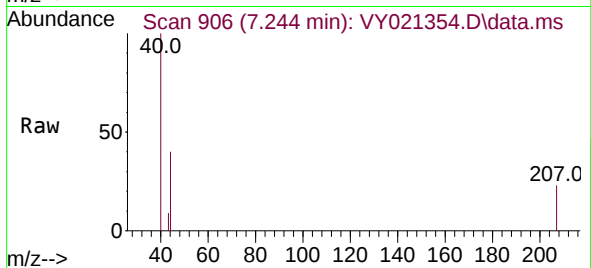
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 7.699 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

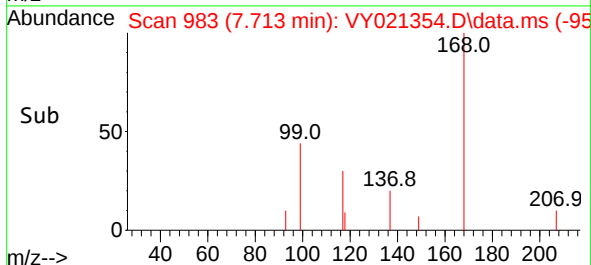
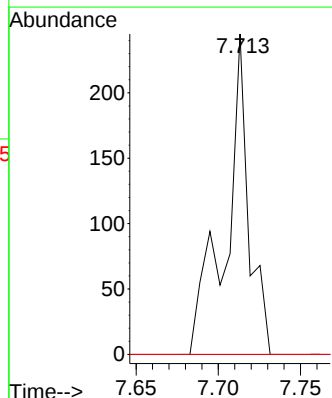
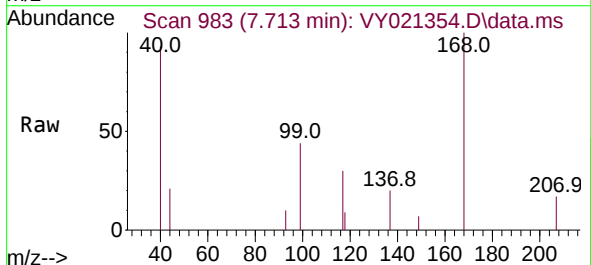
Tgt Ion: 117 Resp: 239

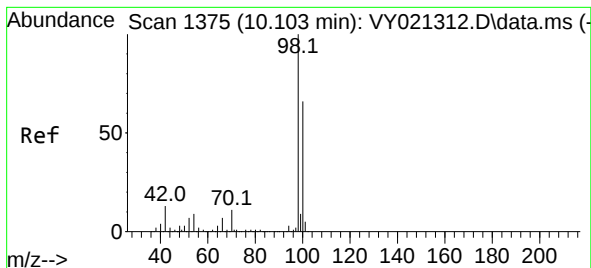
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 43.549 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

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ClientSampleId :

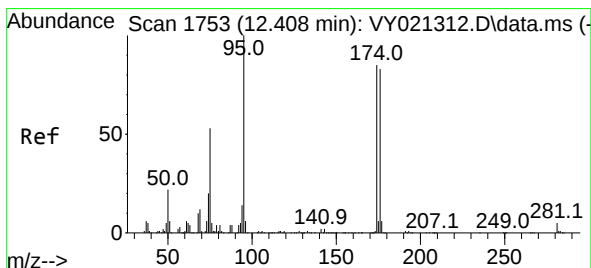
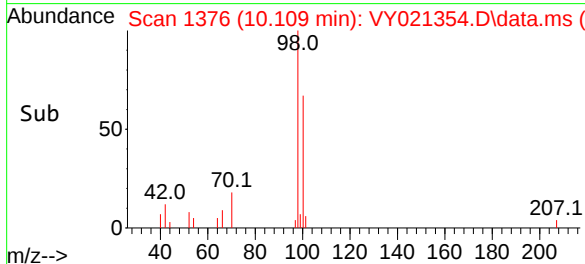
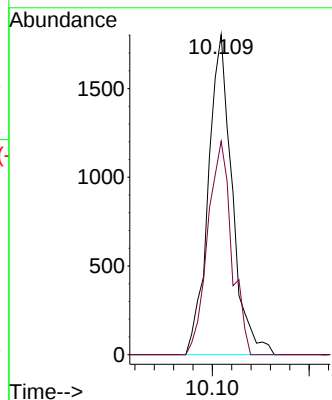
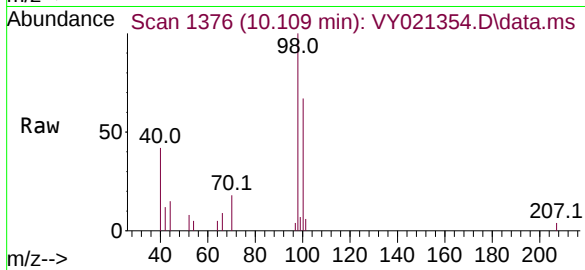
TR-06-02242025

Tgt Ion: 98 Resp: 3094

Ion Ratio Lower Upper

98 100

100 66.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 19.155 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

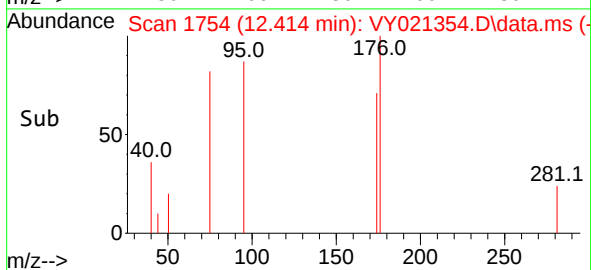
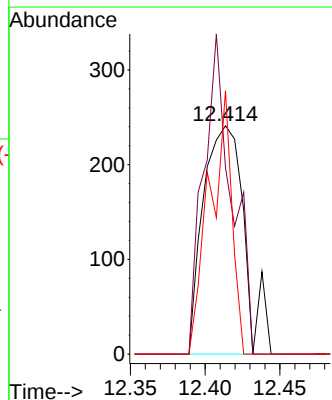
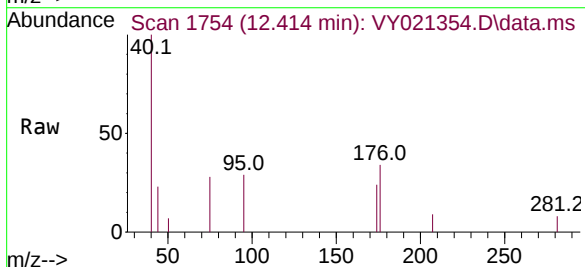
Tgt Ion: 95 Resp: 458

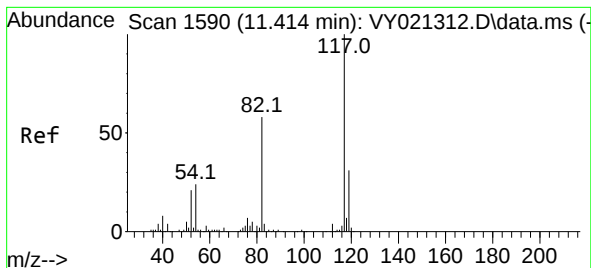
Ion Ratio Lower Upper

95 100

174 97.2 0.0 168.0

176 63.1 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: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-02242025

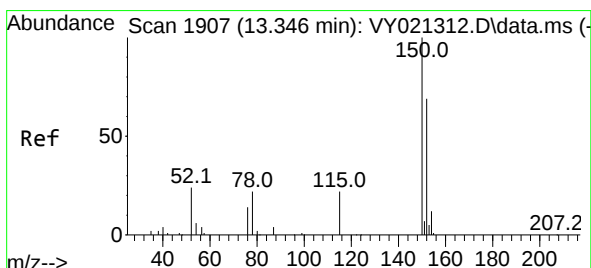
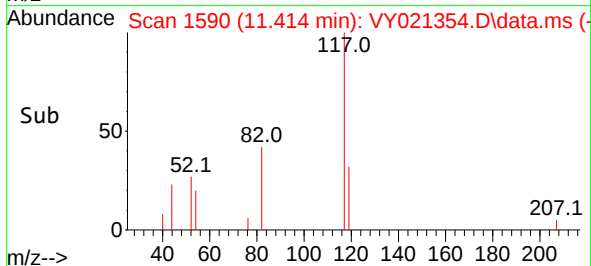
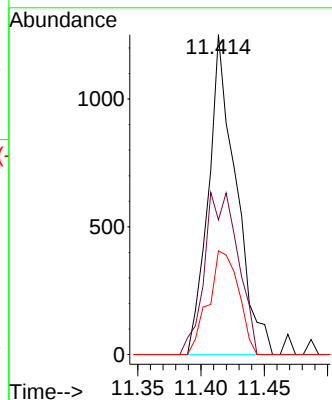
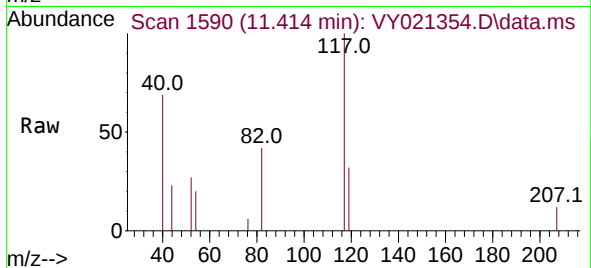
Tgt Ion:117 Resp: 1897

Ion Ratio Lower Upper

117 100

82 42.1 46.2 69.4#

119 32.4 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

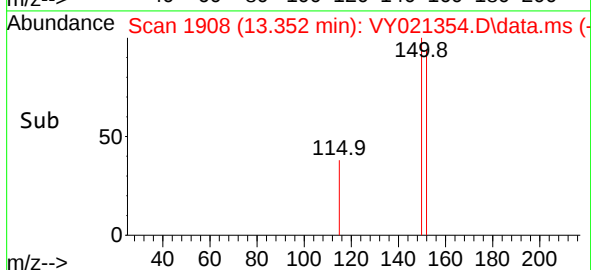
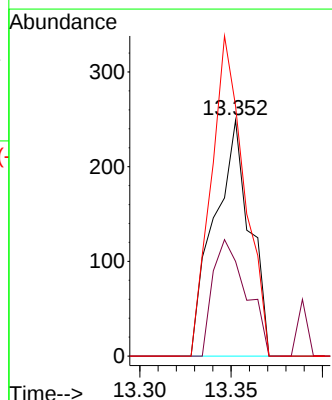
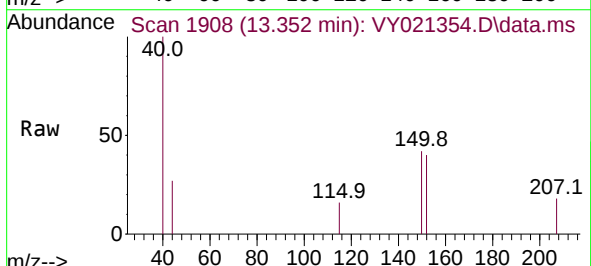
Tgt Ion:152 Resp: 338

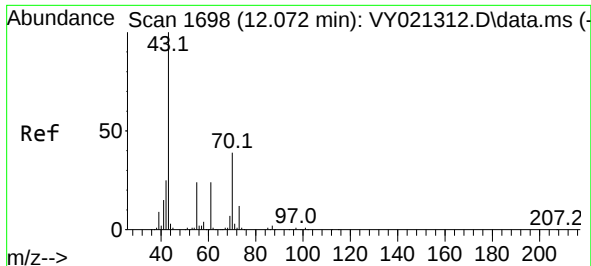
Ion Ratio Lower Upper

152 100

115 46.7 29.3 88.0

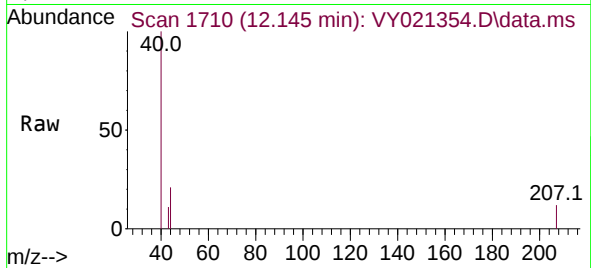
150 126.6 0.0 347.4



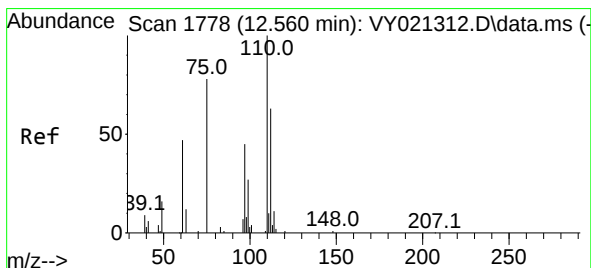
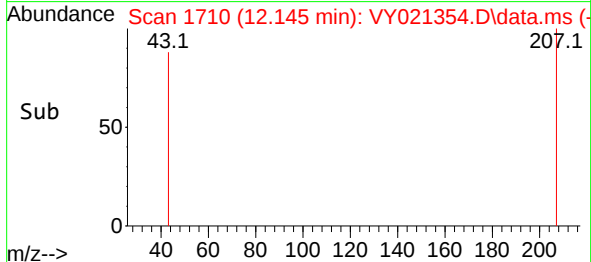
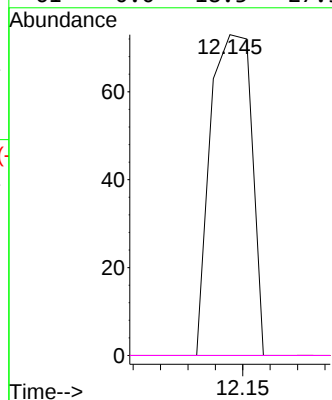


#74
N-amy1 acetate
Concen: 11.767 ug/l
RT: 12.145 min Scan# 1754
Delta R.T. 0.073 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-02242025

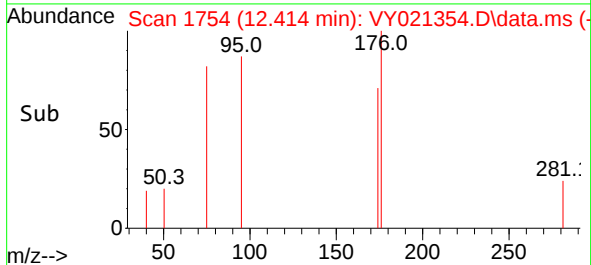
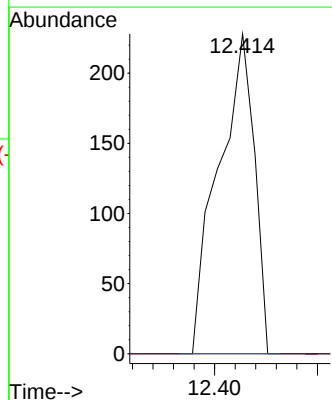
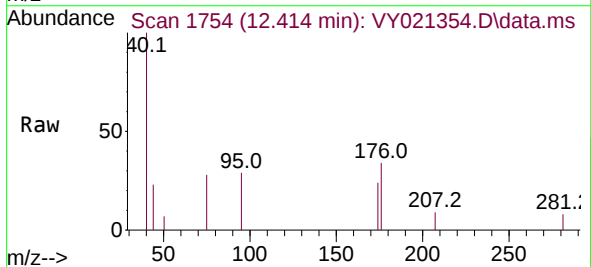


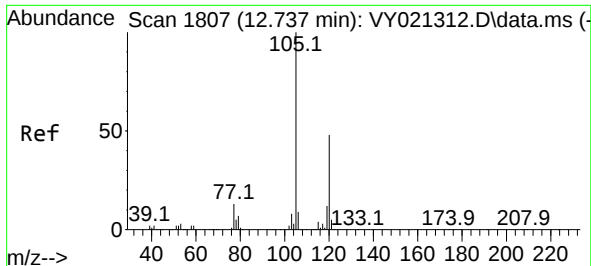
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 19.6 29.4#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 81.875 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion: 75 Resp: 277
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

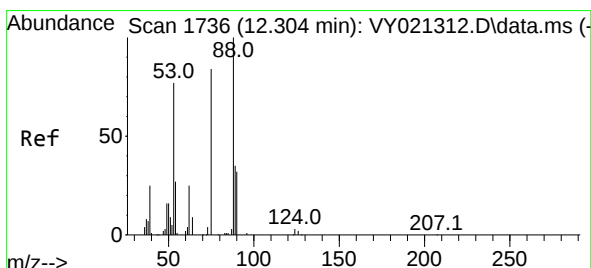
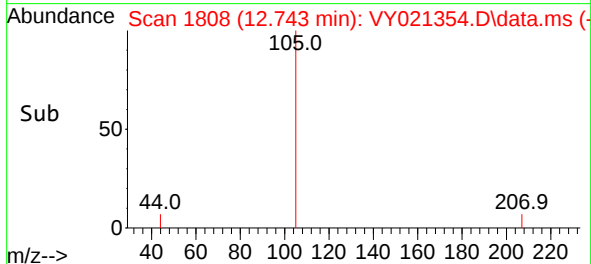
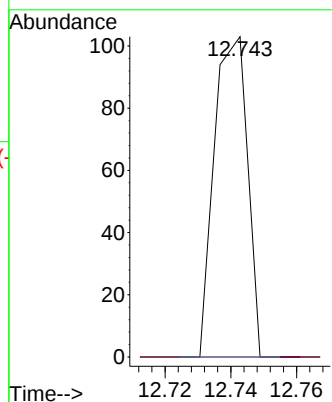
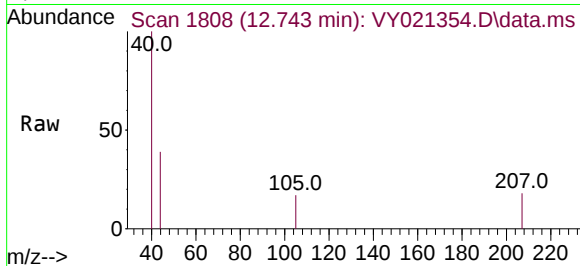




#80
 1,3,5-Trimethylbenzene
 Concen: 3.455 ug/l
 RT: 12.743 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY021354.D
 Acq: 27 Feb 2025 13:38

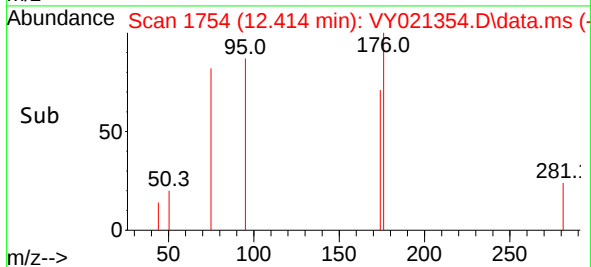
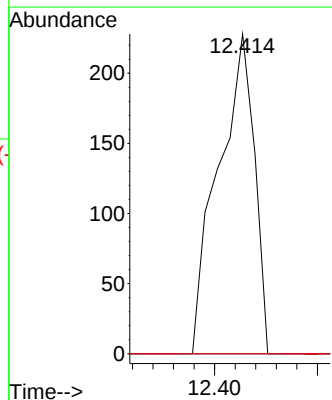
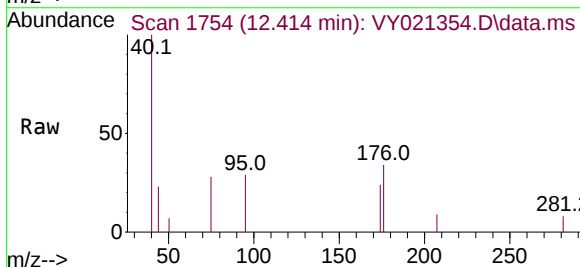
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-02242025

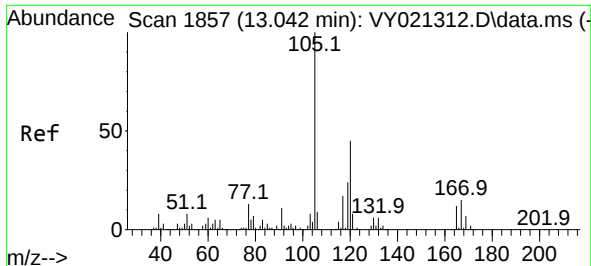
Tgt Ion:105 Resp: 72
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.3 73.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.979 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.110 min
 Lab File: VY021354.D
 Acq: 27 Feb 2025 13:38

Tgt Ion: 75 Resp: 277
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 35.6 53.4#

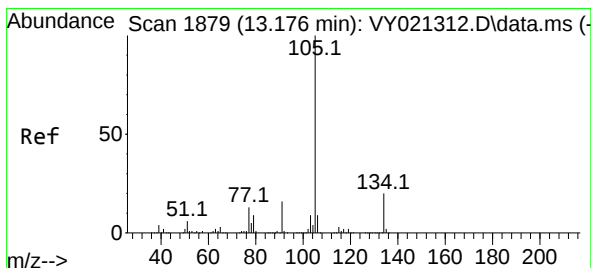
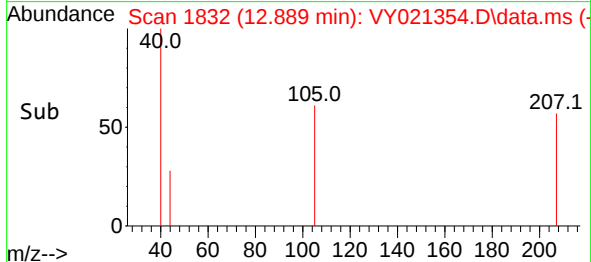
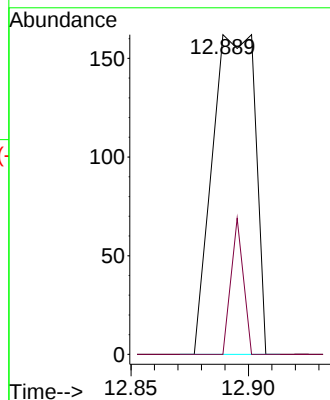
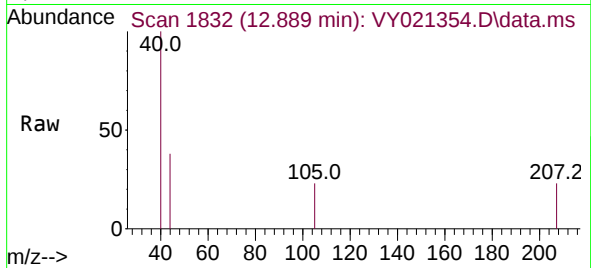




#84
1,2,4-Trimethylbenzene
Concen: 9.842 ug/l
RT: 12.889 min Scan# 1111
Delta R.T. -0.152 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

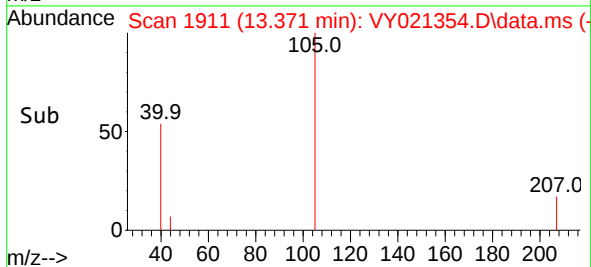
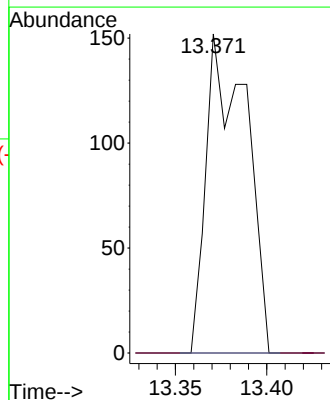
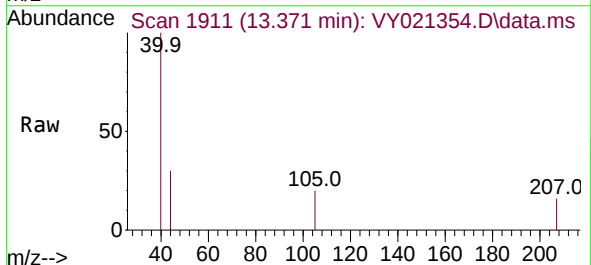
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-02242025

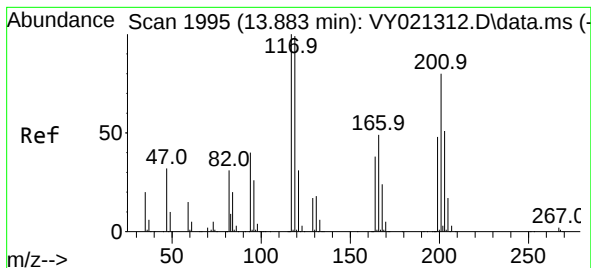
Tgt Ion:105 Resp: 204
Ion Ratio Lower Upper
105 100
120 12.3 22.4 67.3#



#85
sec-Butylbenzene
Concen: 8.437 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.195 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion:105 Resp: 232
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#90

Hexachloroethane

Concen: 23.560 ug/l

RT: 13.999 min Scan# 201

Delta R.T. 0.116 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

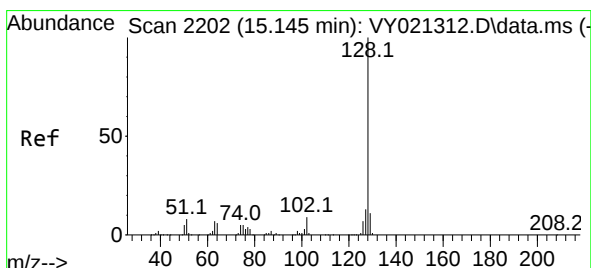
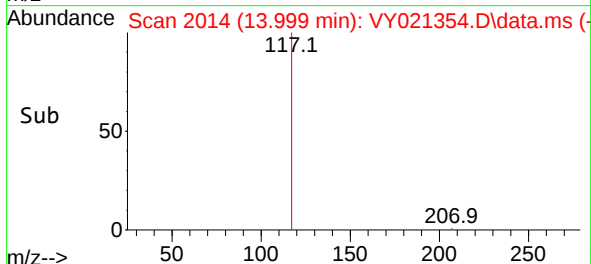
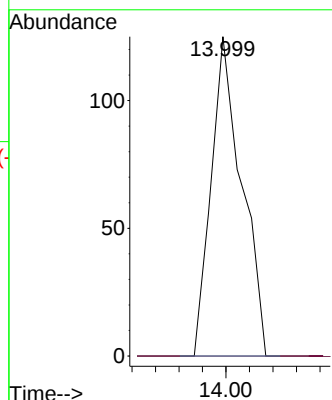
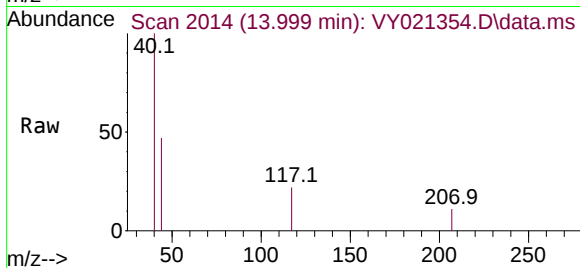
TR-06-02242025

Tgt Ion:117 Resp: 113

Ion Ratio Lower Upper

117 100

201 0.0 38.4 115.2#



#95

Naphthalene

Concen: 26.267 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Tgt Ion:128 Resp: 272

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.5 12.7#

