

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021337.D
 Acq On : 26 Feb 2025 17:24
 Operator : SY/MD
 Sample : Q1415-04
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB02

Quant Time: Feb 27 00:40:35 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)

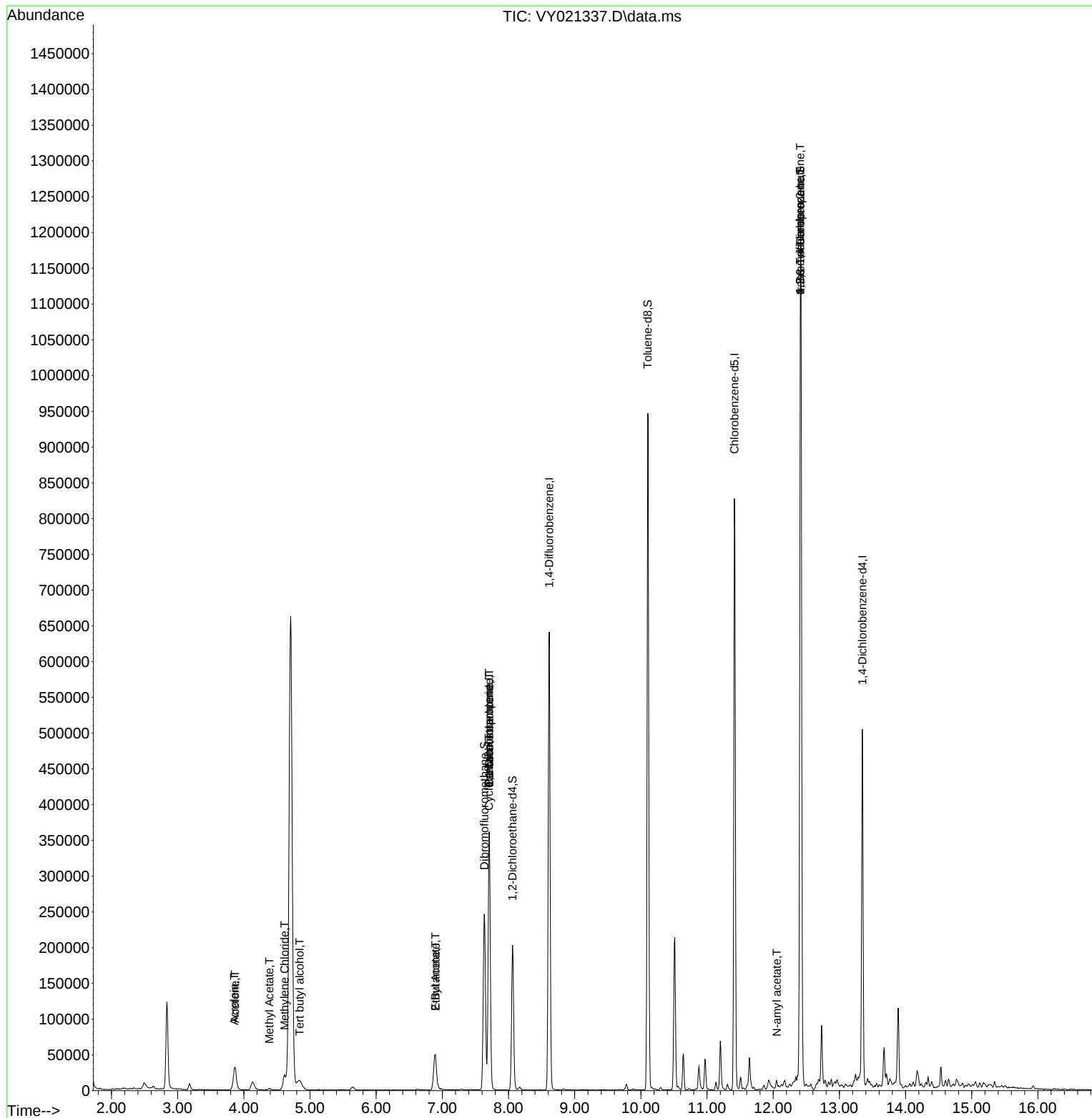
Internal Standards						
1) Pentafluorobenzene	7.707	168	273603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	518008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158234	50.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.960%	
35) Dibromofluoromethane	7.634	113	171658	50.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.100%	
50) Toluene-d8	10.103	98	600650	45.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.520%	
62) 4-Bromofluorobenzene	12.407	95	155529	35.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	13424	56.229	ug/l	100
13) Acrolein	3.854	56	3544	19.372	ug/l #	43
16) Acetone	3.866	43	46757	78.533	ug/l	92
18) Methyl Acetate	4.385	43	4019	2.762	ug/l	97
20) Methylene Chloride	4.616	84	11654	3.620	ug/l	96
25) 2-Butanone	6.896	43	6038	6.720	ug/l	94
31) Cyclohexane	7.701	56	6334	1.157	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	23182	4.544	ug/l #	51
37) Ethyl Acetate	6.896	43	6038	2.379	ug/l #	46
38) Carbon Tetrachloride	7.707	117	28294	4.934	ug/l #	16
74) N-amyl acetate	12.054	43	2402	1.072	ug/l #	85
76) 1,2,3-Trichloropropane	12.407	75	94012	80.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	94012	178.002	ug/l #	12

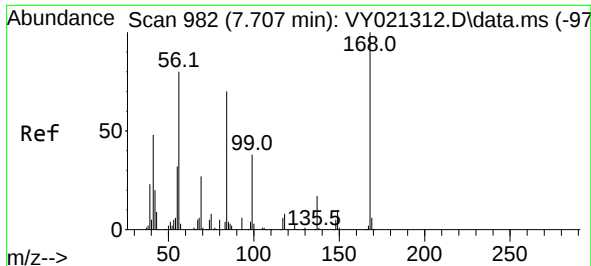
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021337.D
Acq On : 26 Feb 2025 17:24
Operator : SY/MD
Sample : Q1415-04
Misc : 6.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

Quant Time: Feb 27 00:40:35 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

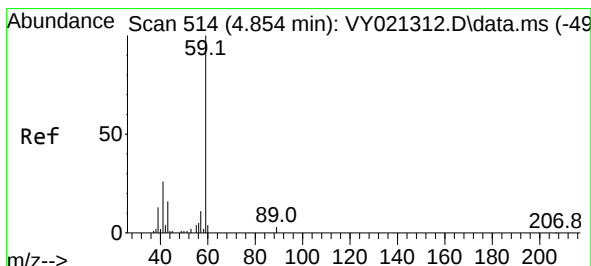
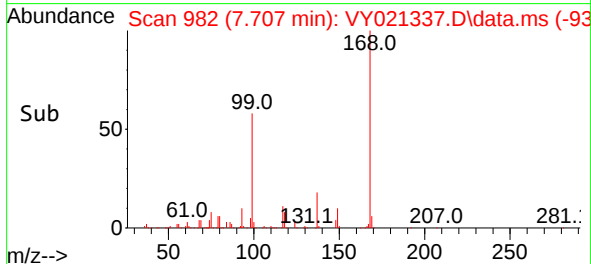
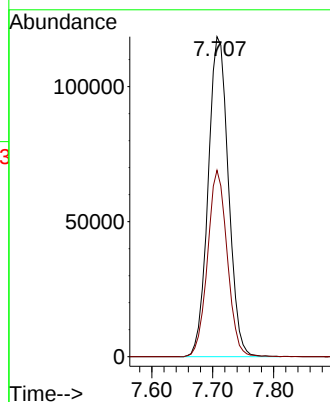
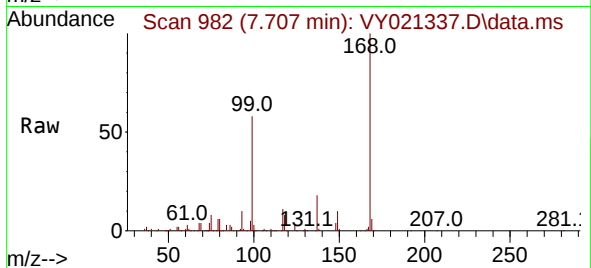




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

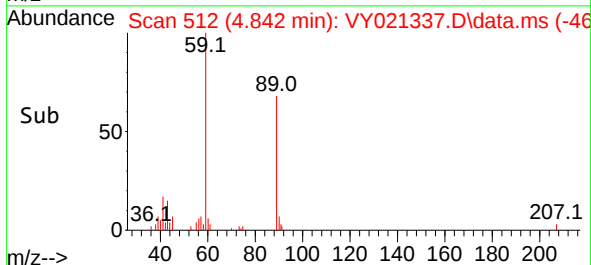
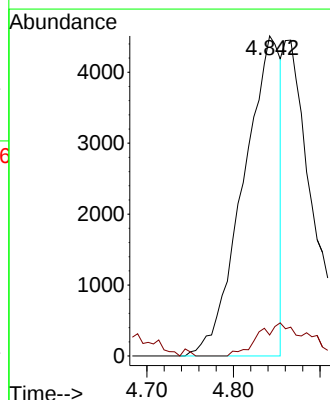
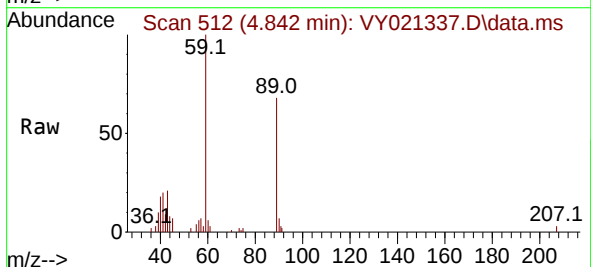
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

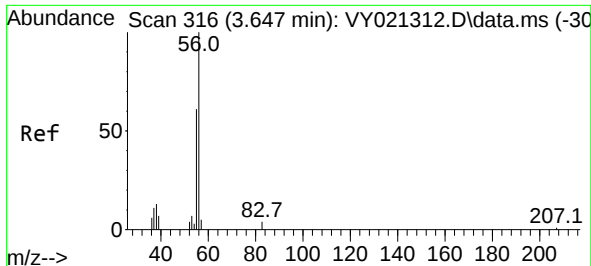
Tgt Ion:168 Resp: 273603
Ion Ratio Lower Upper
168 100
99 58.3 47.1 70.7



#11
Tert butyl alcohol
Concen: 56.229 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 59 Resp: 13424
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

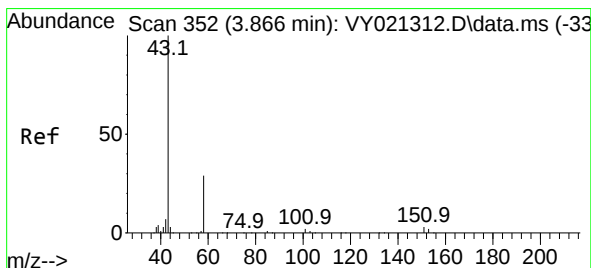
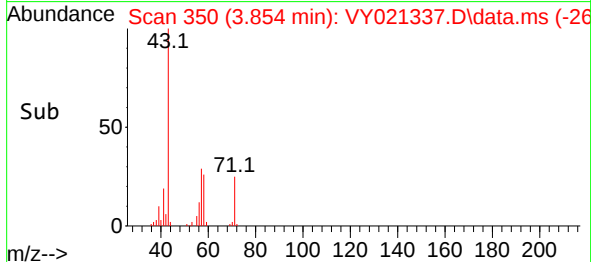
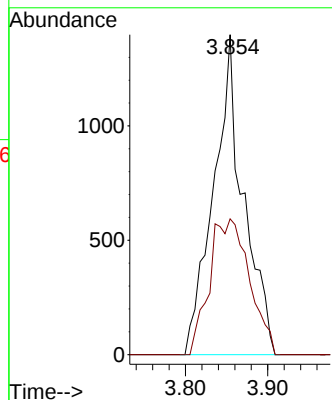
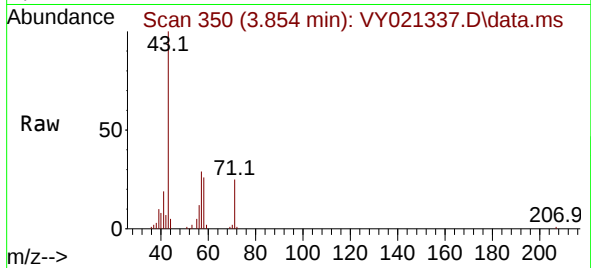




#13
Acrolein
Concen: 19.372 ug/l
RT: 3.854 min Scan# 316
Delta R.T. 0.207 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

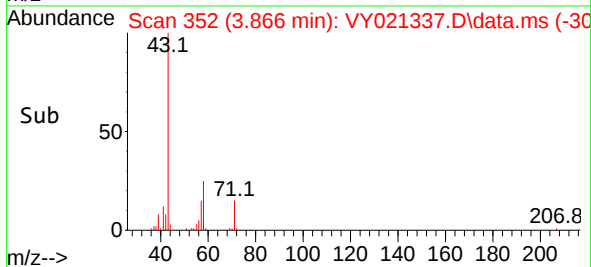
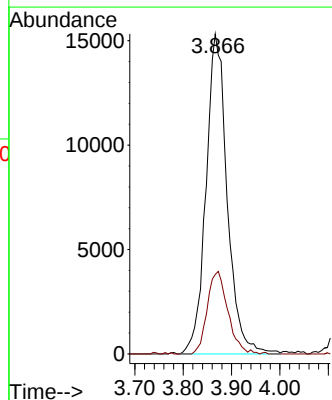
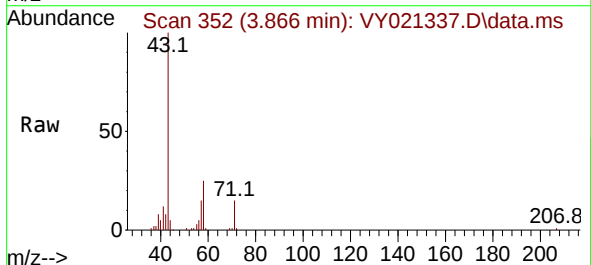
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

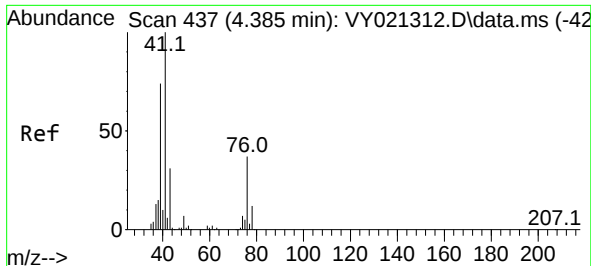
Tgt Ion: 56 Resp: 3544
Ion Ratio Lower Upper
56 100
55 25.3 59.0 88.6#



#16
Acetone
Concen: 78.533 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 43 Resp: 46757
Ion Ratio Lower Upper
43 100
58 24.8 23.5 35.3

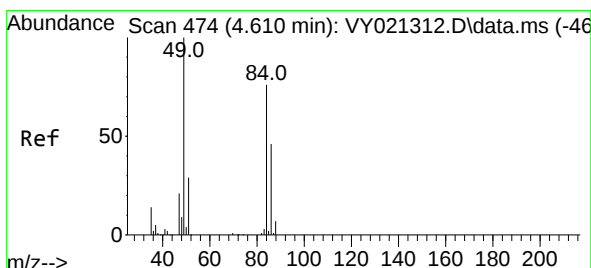
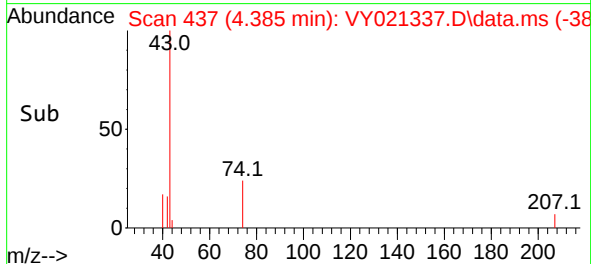
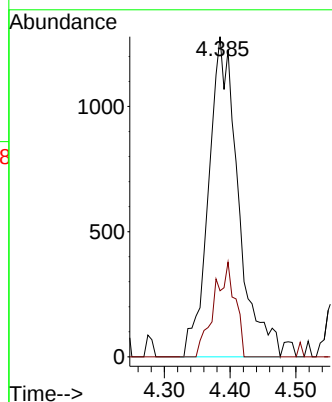
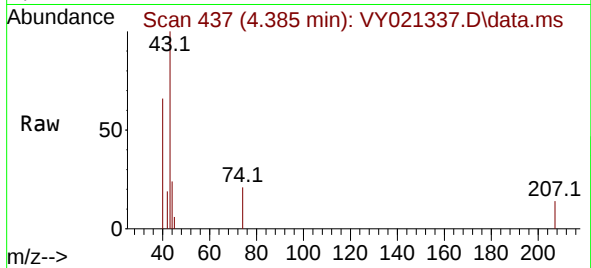




#18
Methyl Acetate
Concen: 2.762 ug/l
RT: 4.385 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

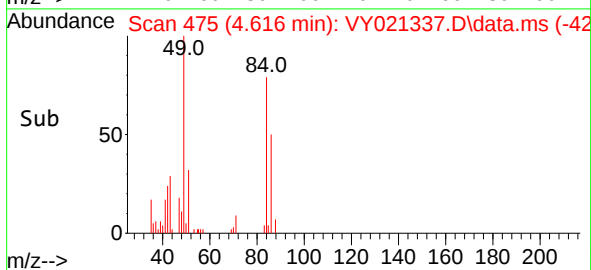
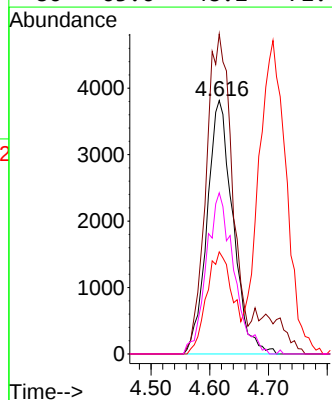
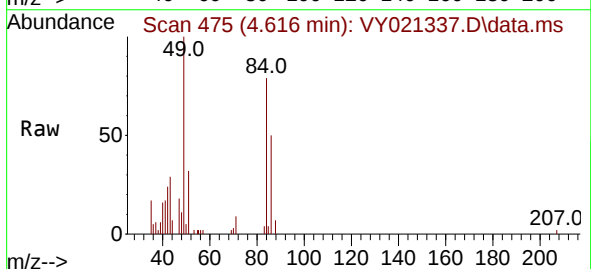
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

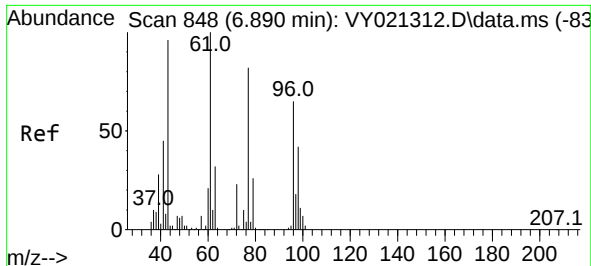
Tgt Ion: 43 Resp: 4019
Ion Ratio Lower Upper
43 100
74 20.9 17.7 26.5



#20
Methylene Chloride
Concen: 3.620 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 84 Resp: 11654
Ion Ratio Lower Upper
84 100
49 126.2 105.1 157.7
51 40.3 31.0 46.4
86 63.6 48.2 72.4

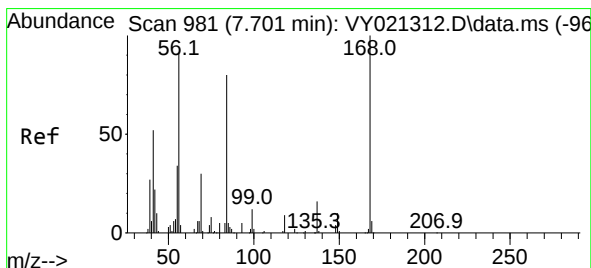
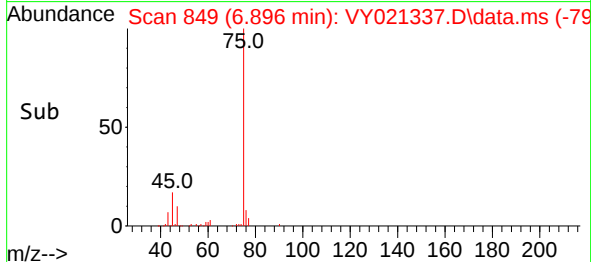
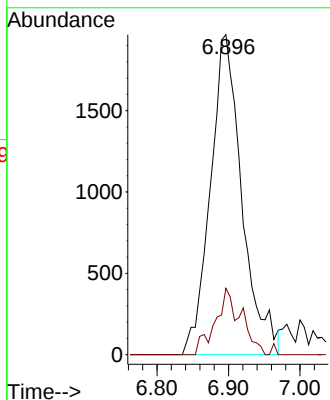
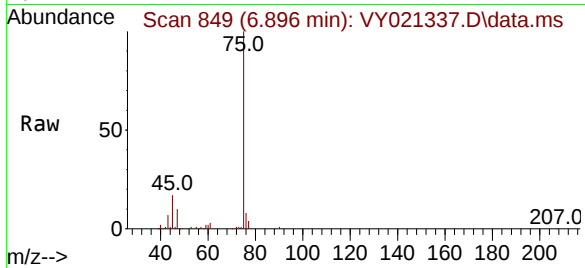




#25
2-Butanone
Concen: 6.720 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

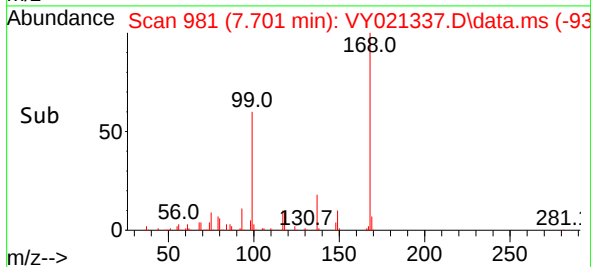
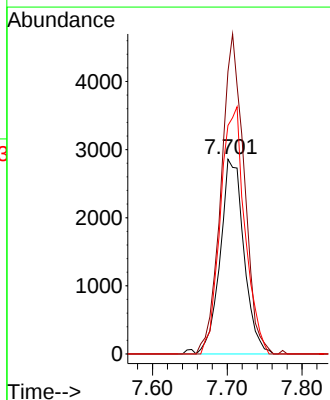
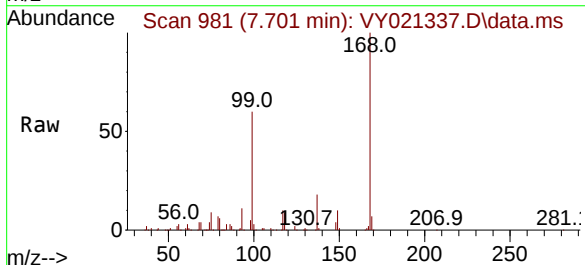
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

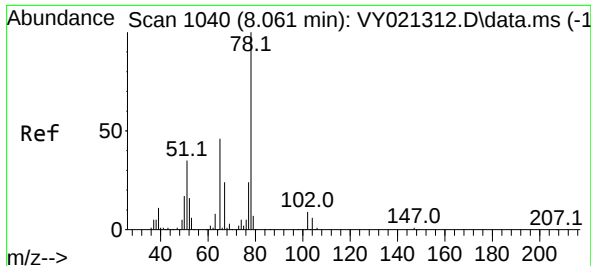
Tgt Ion: 43 Resp: 6038
Ion Ratio Lower Upper
43 100
72 20.7 19.0 28.6



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 56 Resp: 6334
Ion Ratio Lower Upper
56 100
69 145.1 26.2 39.4#
84 117.4 70.2 105.4#

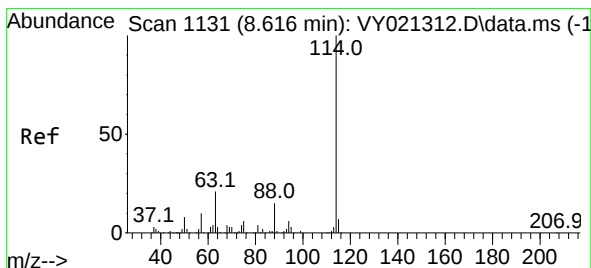
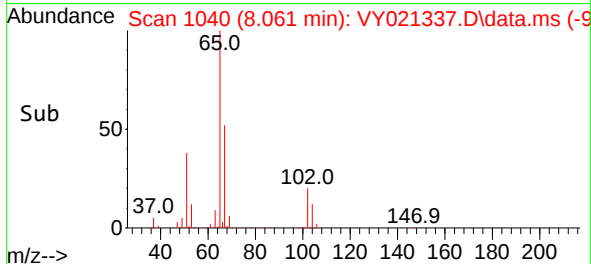
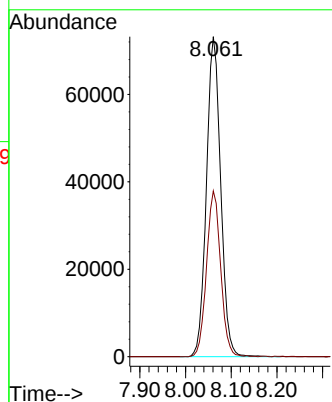
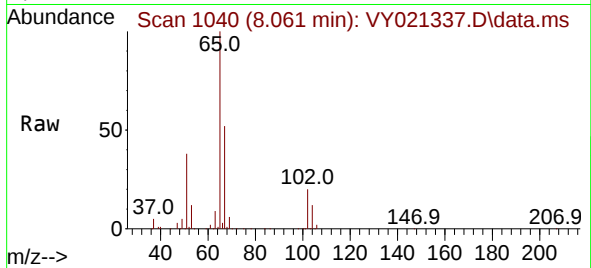




#33
 1,2-Dichloroethane-d4
 Concen: 50.981 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. -0.000 min
 Lab File: VY021337.D
 Acq: 26 Feb 2025 17:24

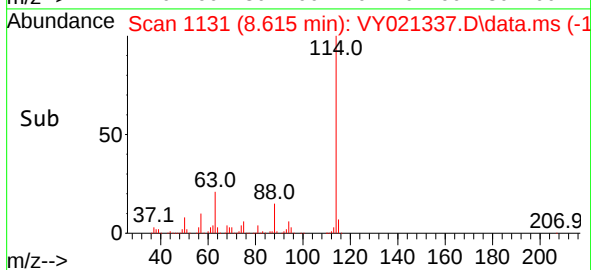
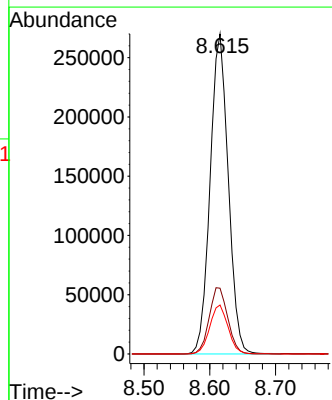
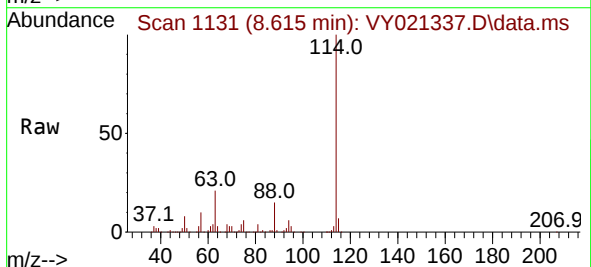
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB02

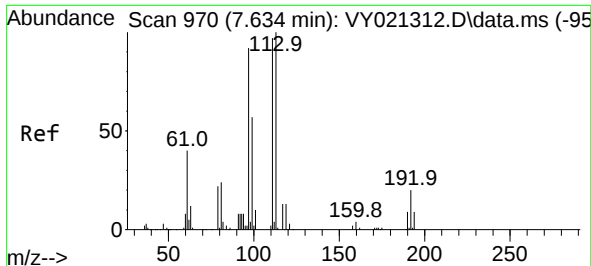
Tgt Ion: 65 Resp: 158234
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY021337.D
 Acq: 26 Feb 2025 17:24

Tgt Ion: 114 Resp: 518008
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.2
 88 15.3 0.0 29.8

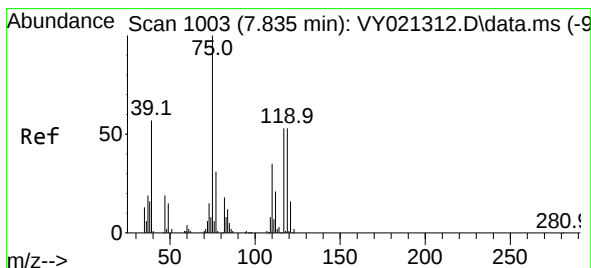
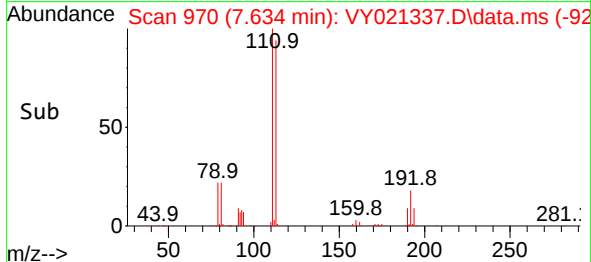
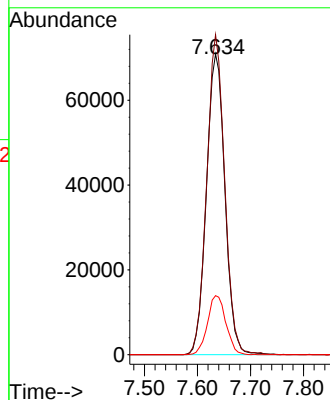
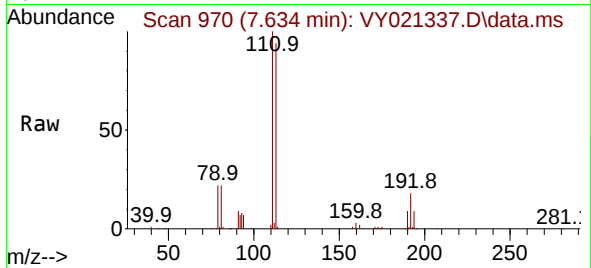




#35
Dibromofluoromethane
Concen: 50.546 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

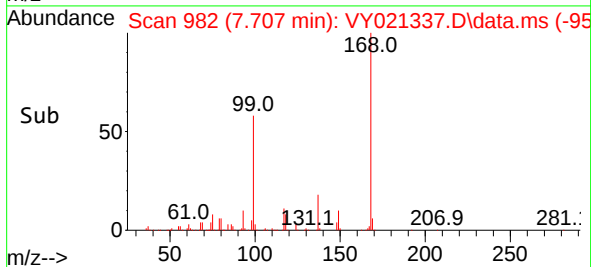
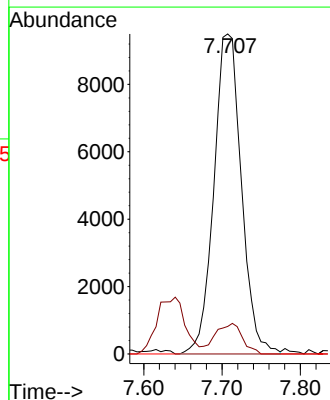
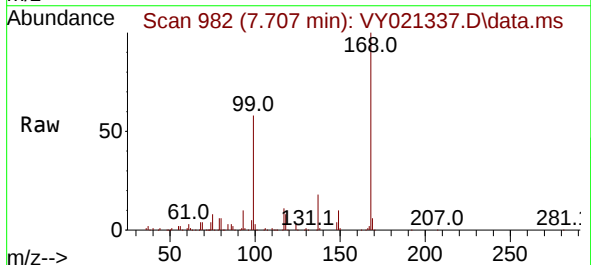
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

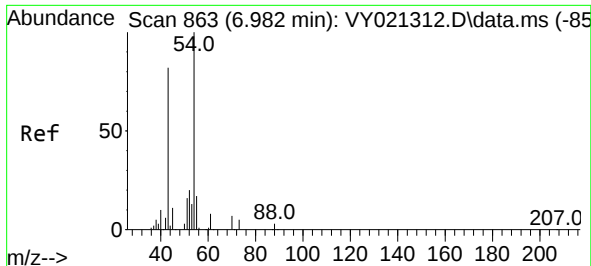
Tgt Ion:113 Resp: 171658
Ion Ratio Lower Upper
113 100
111 103.5 81.0 121.6
192 19.5 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 75 Resp: 23182
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 2.379 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY021337.D

Acq: 26 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

B-172-SB02

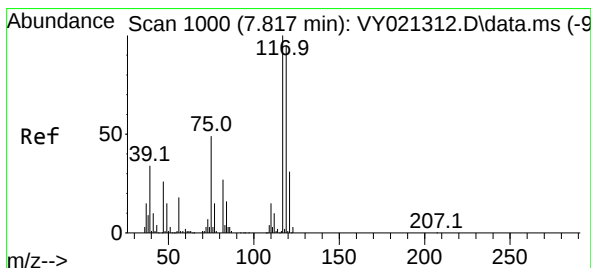
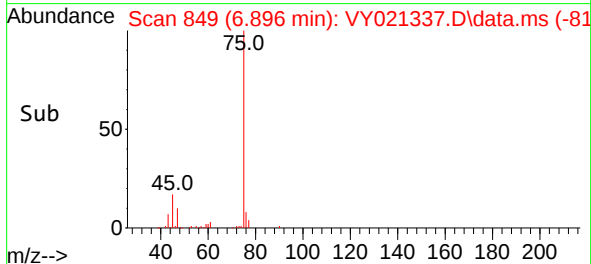
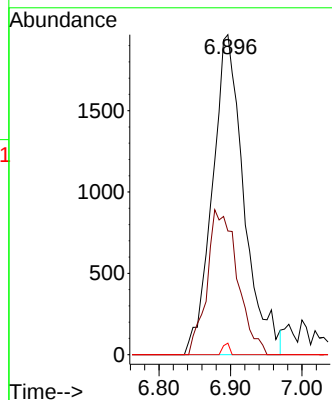
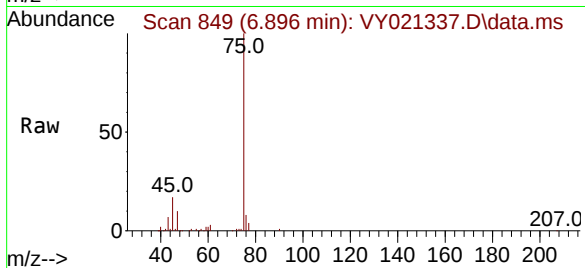
Tgt Ion: 43 Resp: 6038

Ion Ratio Lower Upper

43 100

61 43.5 10.4 15.6#

70 0.8 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 4.934 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021337.D

Acq: 26 Feb 2025 17:24

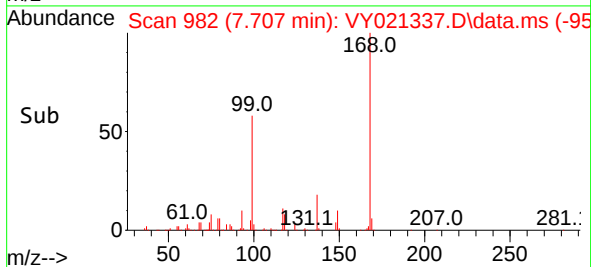
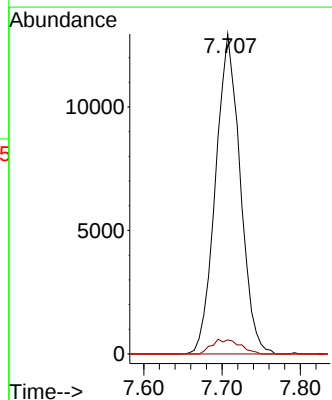
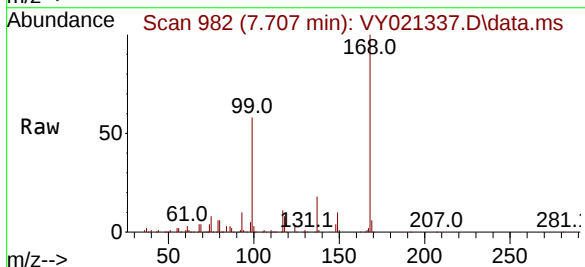
Tgt Ion: 117 Resp: 28294

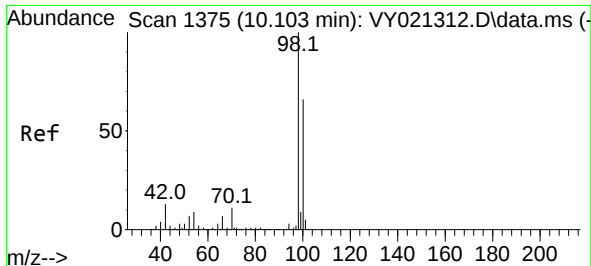
Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

121 0.0 24.9 37.3#

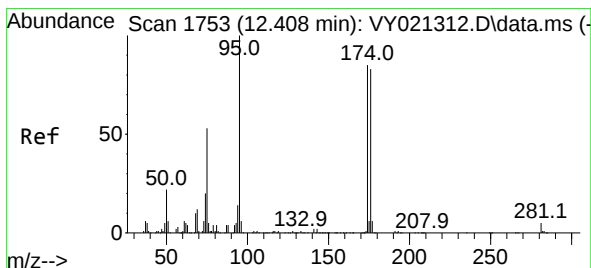
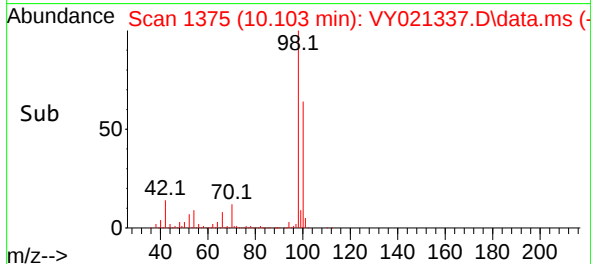
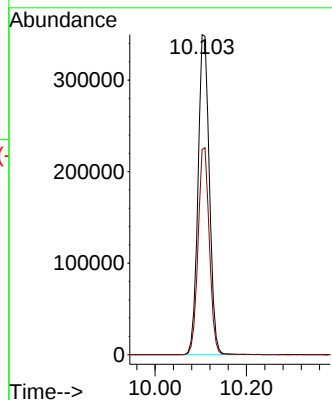
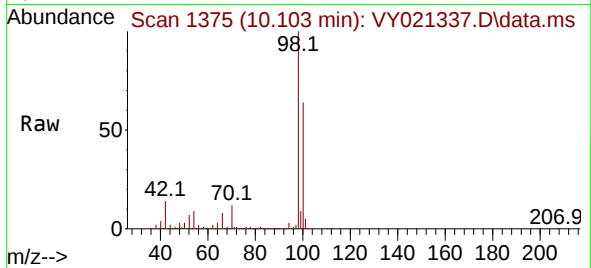




#50
Toluene-d8
Concen: 45.764 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

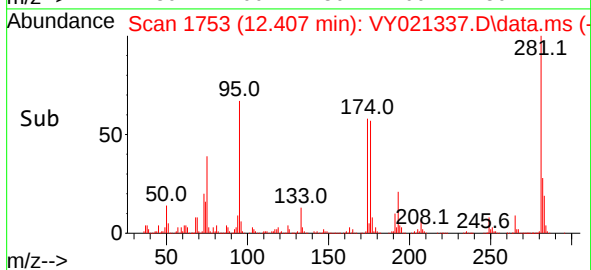
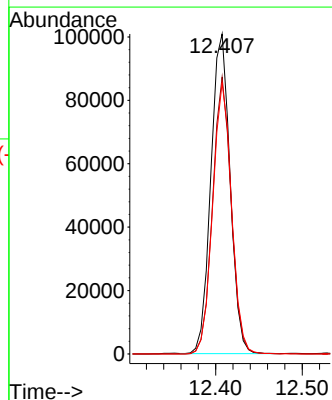
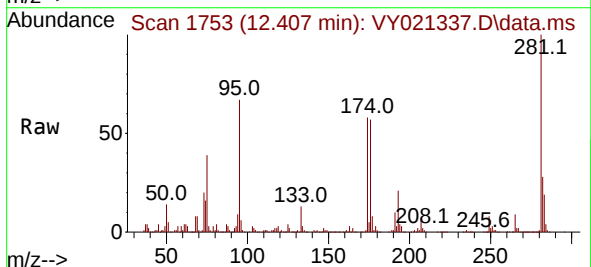
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

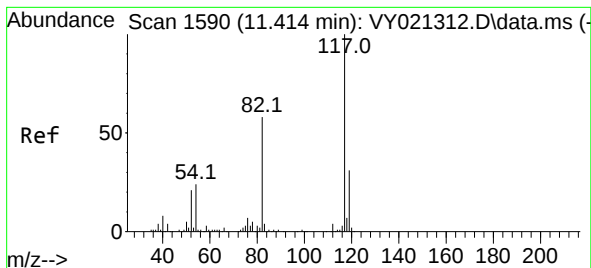
Tgt Ion: 98 Resp: 600650
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 35.210 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 95 Resp: 155529
Ion Ratio Lower Upper
95 100
174 83.7 0.0 168.0
176 83.3 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: VY021337.D

Acq: 26 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

B-172-SB02

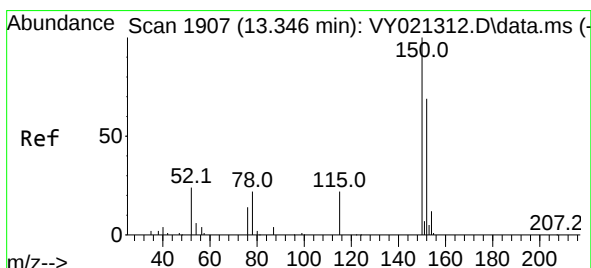
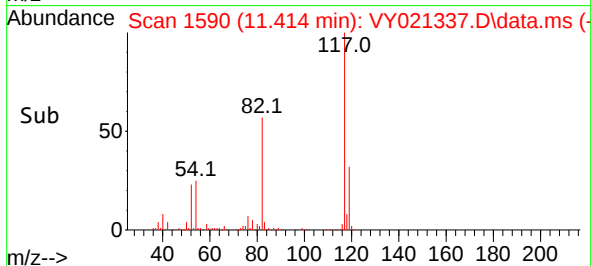
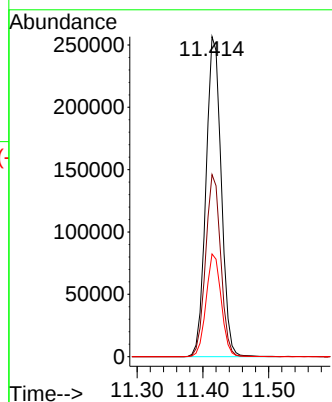
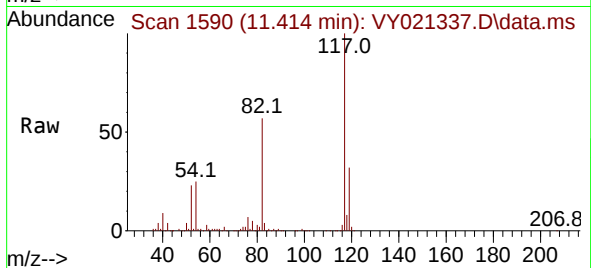
Tgt Ion:117 Resp: 414734

Ion Ratio Lower Upper

117 100

82 56.9 46.2 69.4

119 32.1 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: VY021337.D

Acq: 26 Feb 2025 17:24

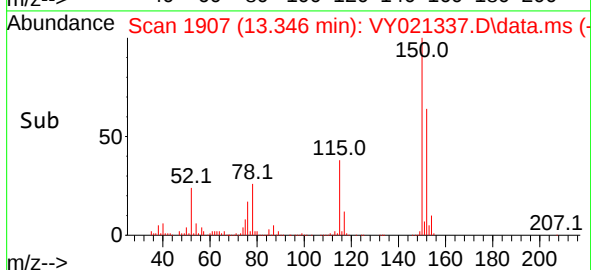
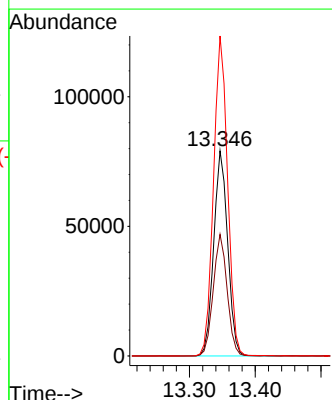
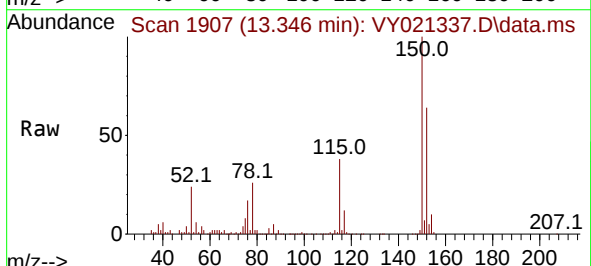
Tgt Ion:152 Resp: 117278

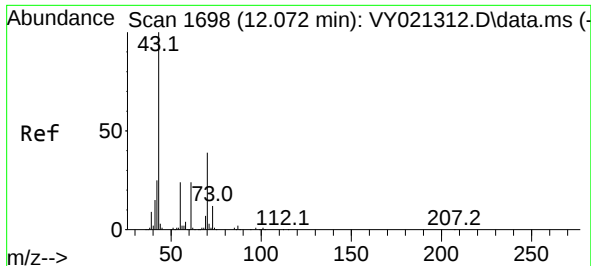
Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

150 156.3 0.0 347.4

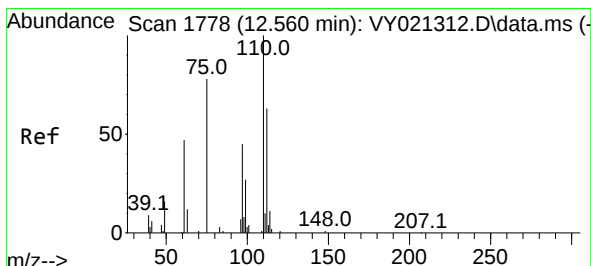
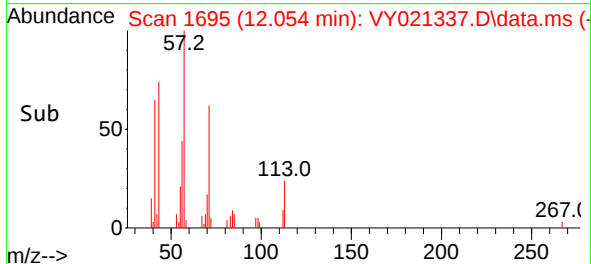
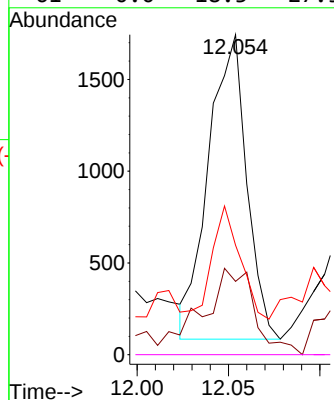
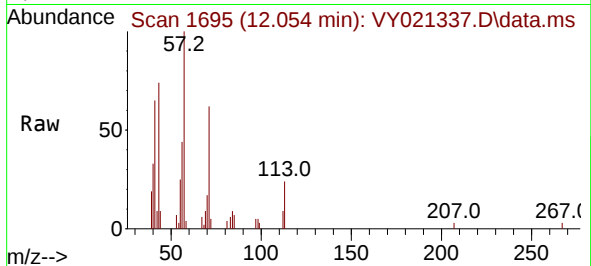




#74
N-amy1 acetate
Concen: 1.072 ug/l
RT: 12.054 min Scan# 1753
Delta R.T. -0.018 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

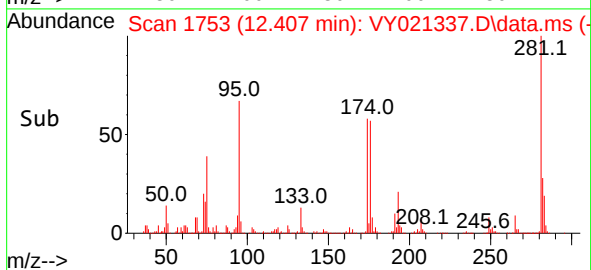
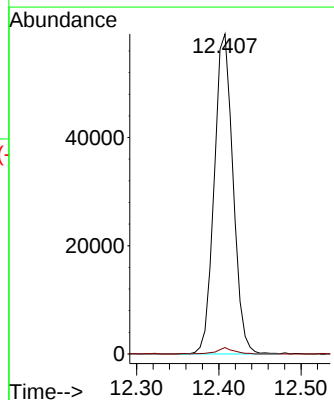
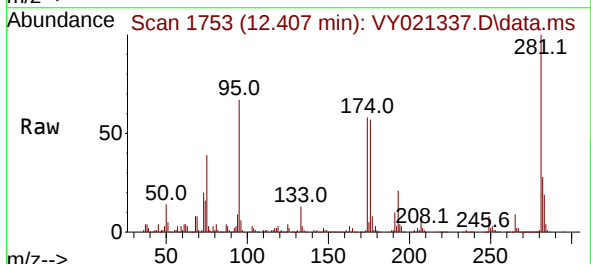
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB02

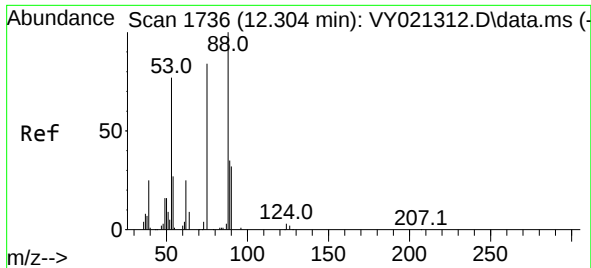
Tgt Ion: 43	Resp: 2402
Ion Ratio	Lower Upper
43 100	
70 39.2	32.2 48.2
55 27.5	19.6 29.4
61 0.0	18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 80.086 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021337.D
Acq: 26 Feb 2025 17:24

Tgt Ion: 75	Resp: 94012
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.002 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021337.D
 Acq: 26 Feb 2025 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB02

Tgt Ion: 75 Resp: 94012
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.1 118.7#
 89 2.8 35.6 53.4#

