

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012274.D
 Acq On : 19 Jan 2023 18:31
 Operator : KP/MD
 Sample : 01190-07
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-6

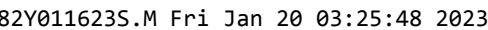
Quant Time: Jan 20 03:25:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

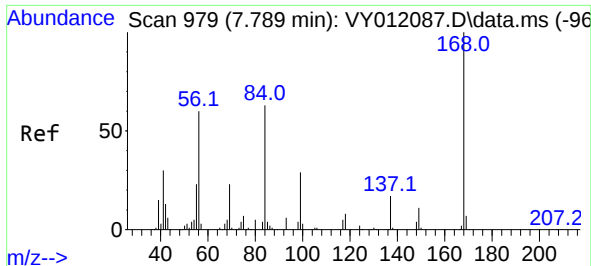
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	239864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	393811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129331	66.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.660%	
35) Dibromofluoromethane	7.716	113	119592	56.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.400%	
50) Toluene-d8	10.179	98	472848	65.478	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 130.960%	
62) 4-Bromofluorobenzene	12.483	95	175964	58.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	973	Below Cal	#	74
16) Acetone	3.948	43	1301	1.948	ug/l	90
20) Methylene Chloride	4.722	84	20337	Below Cal	#	89
25) 2-Butanone	6.972	43	819	1.111	ug/l	# 82
31) Cyclohexane	7.789	56	3913	1.119	ug/l	# 11
36) 1,1-Dichloropropene	7.789	75	15804	4.370	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	22827	4.888	ug/l	# 18
67) Ethyl Benzene	11.593	91	22905	1.591	ug/l	97
68) m/p-Xylenes	11.697	106	41171	7.231	ug/l	100
69) o-Xylene	12.032	106	24661	4.535	ug/l	97
74) N-amyl acetate	12.117	43	5344	1.938	ug/l	# 60
76) 1,2,3-Trichloropropane	12.483	75	89605	49.944	ug/l	# 100
78) n-propylbenzene	12.672	91	37536	2.280	ug/l	99
79) 2-Chlorotoluene	12.733	91	15816	1.699	ug/l	# 41
80) 1,3,5-Trimethylbenzene	12.812	105	61270	5.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	89605	102.906	ug/l	# 13
83) tert-Butylbenzene	13.123	119	31592	2.964	ug/l	# 67
84) 1,2,4-Trimethylbenzene	13.117	105	255422	21.176	ug/l	100
85) sec-Butylbenzene	13.251	105	18267	1.204	ug/l	80
89) n-Butylbenzene	13.696	91	26313	2.290	ug/l	# 76
90) Hexachloroethane	13.971	117	8507	3.554	ug/l	# 9
92) 1,2-Dibromo-3-Chloropr...	14.337	75	911	1.989	ug/l	# 3
95) Naphthalene	15.239	128	75736	9.967	ug/l	# 94

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

Quant Time: Jan 20 03:25:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration

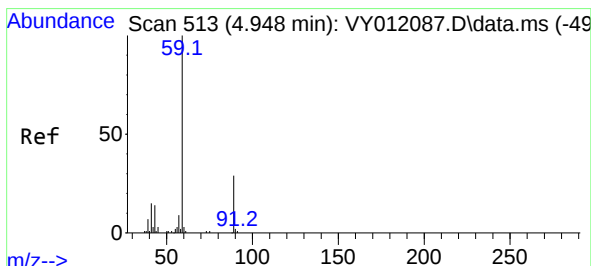
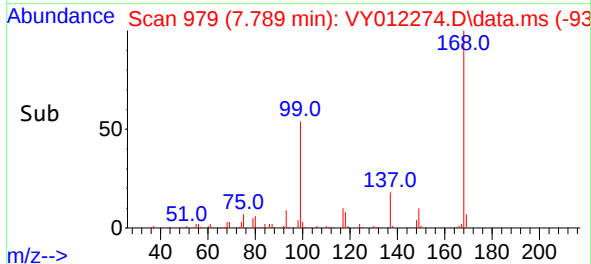
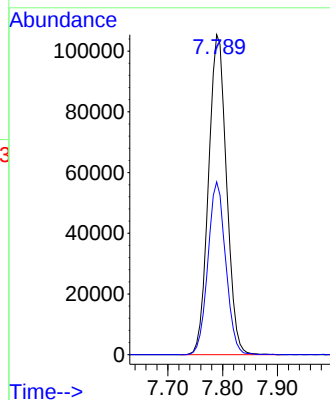
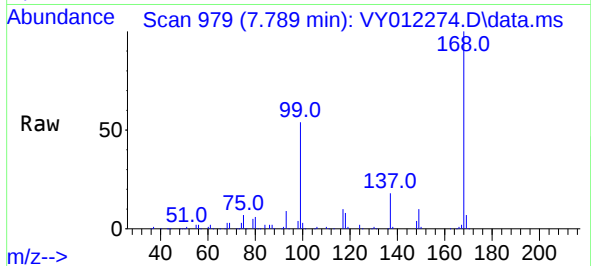




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

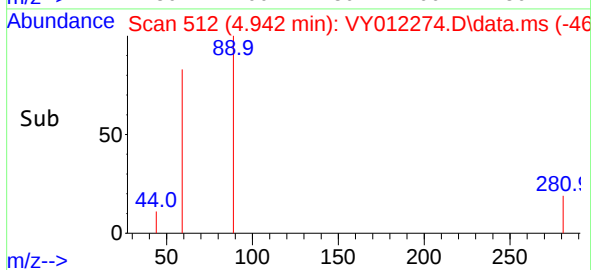
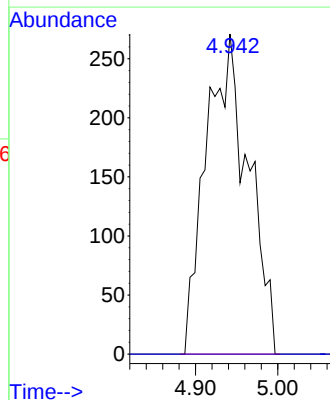
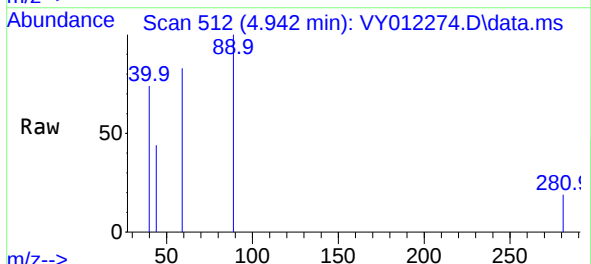
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

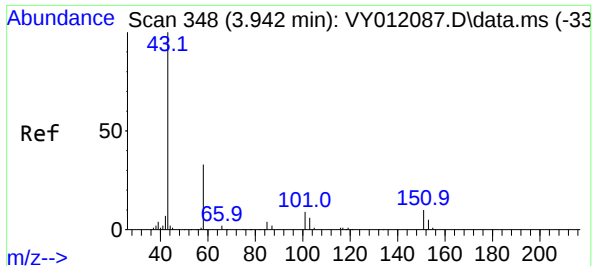
Tgt Ion:168 Resp: 239864
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 59 Resp: 973
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

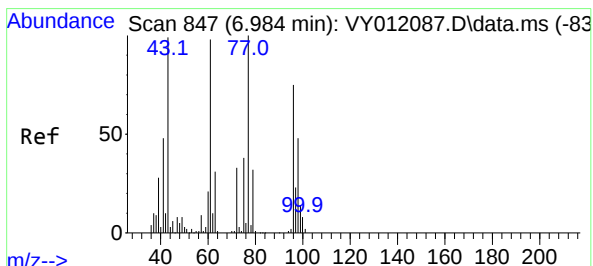
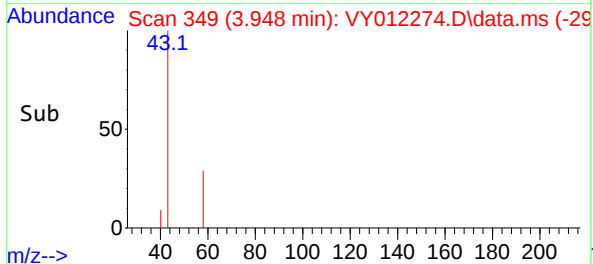
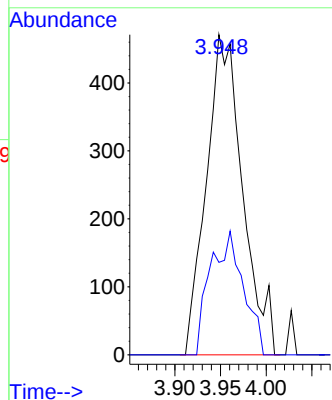
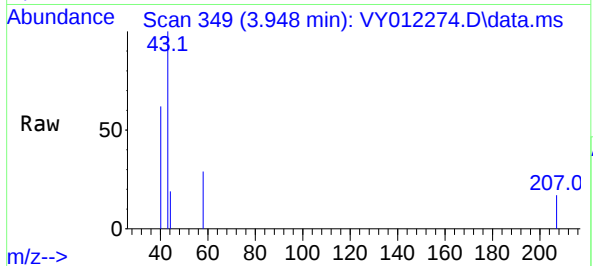




#16
Acetone
Concen: 1.948 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

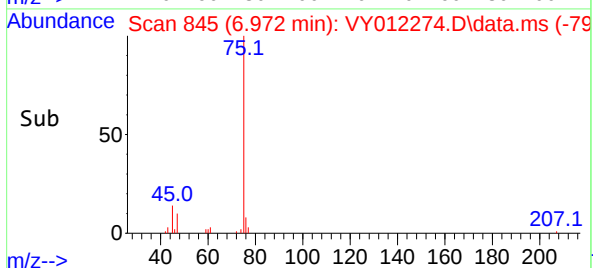
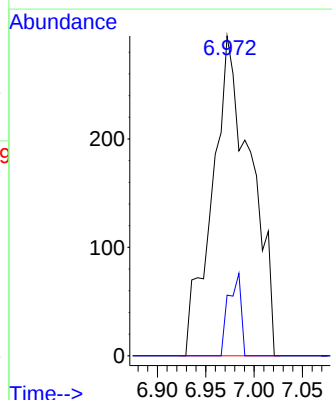
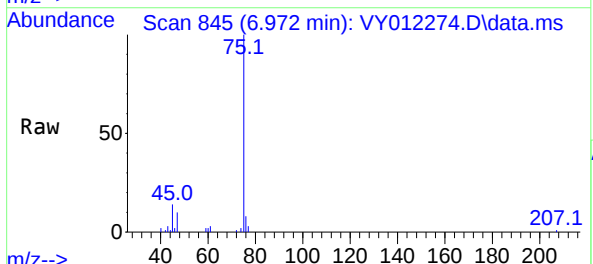
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

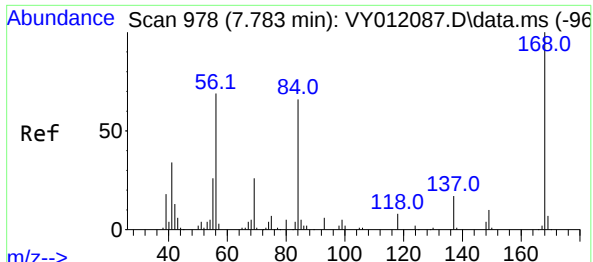
Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
58 28.9 27.9 41.9



#25
2-Butanone
Concen: 1.111 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 19.0 22.6 34.0#

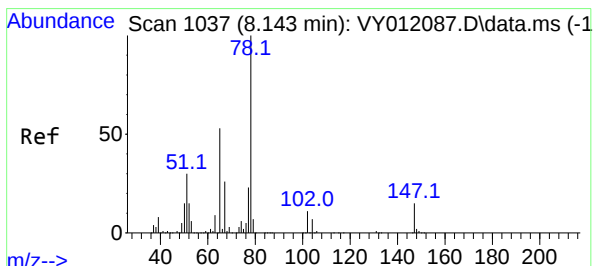
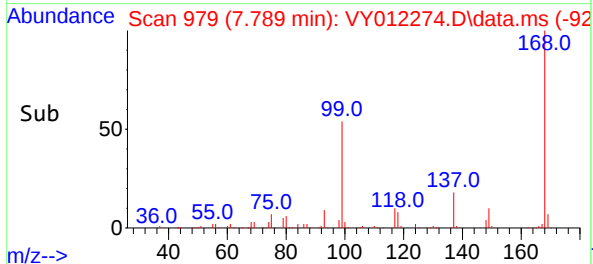
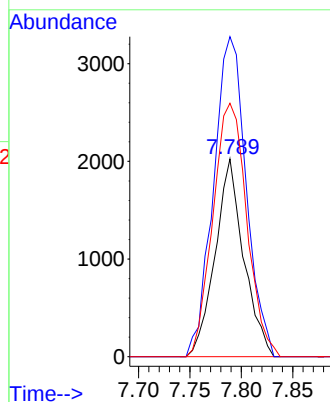
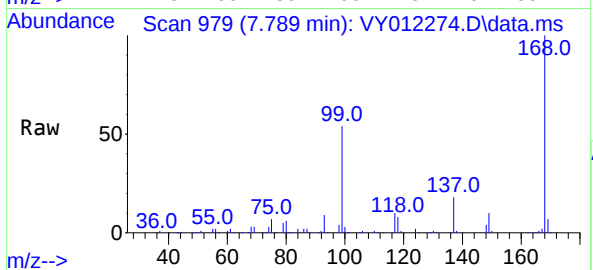




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

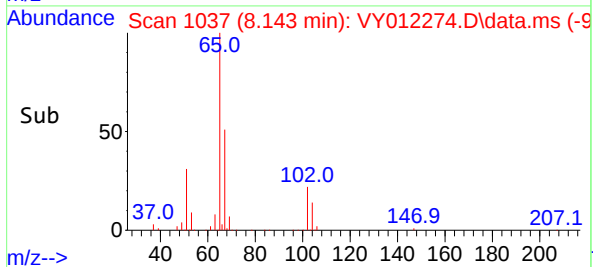
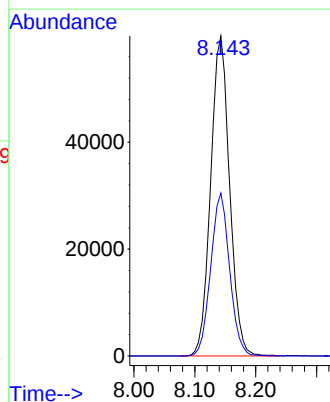
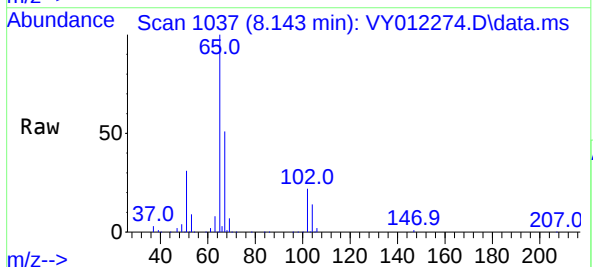
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

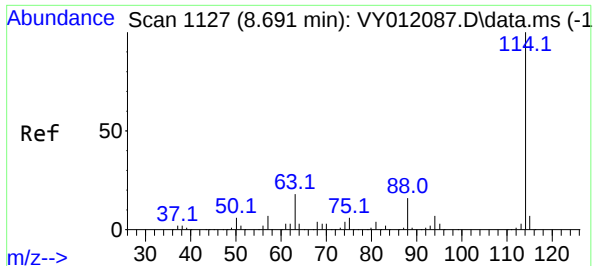
Tgt Ion: 56 Resp: 3913
Ion Ratio Lower Upper
56 100
69 161.7 29.2 43.8#
84 128.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 66.334 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 65 Resp: 129331
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.2

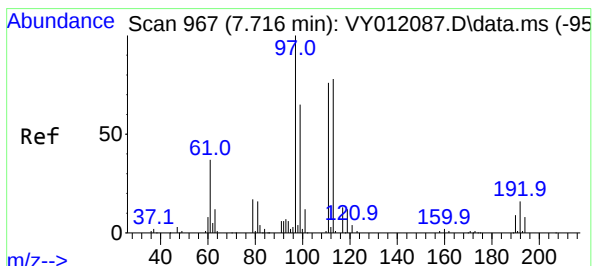
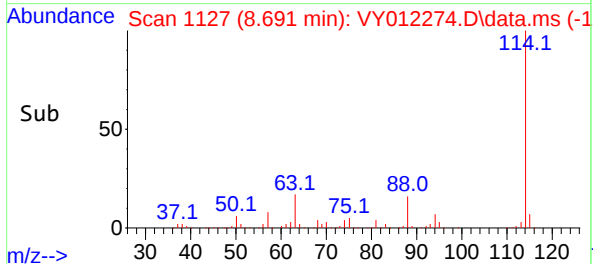
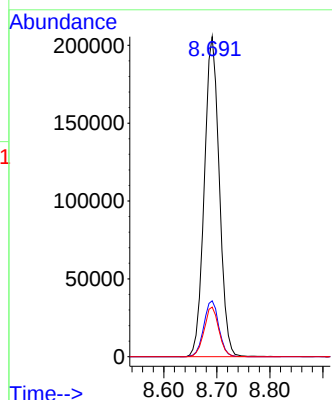
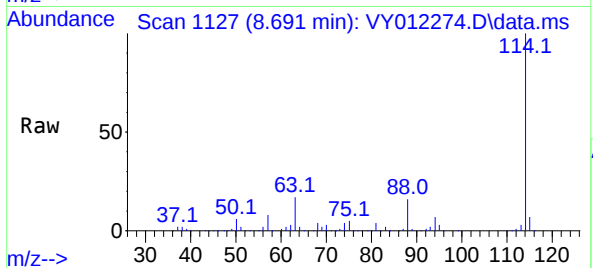




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

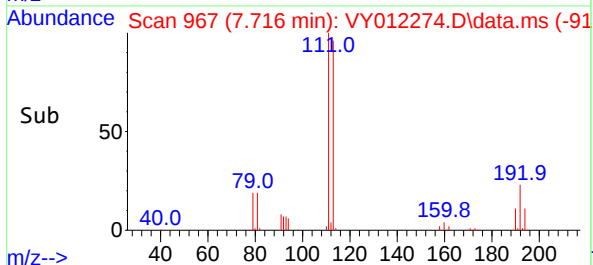
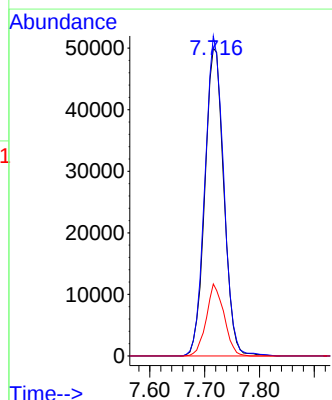
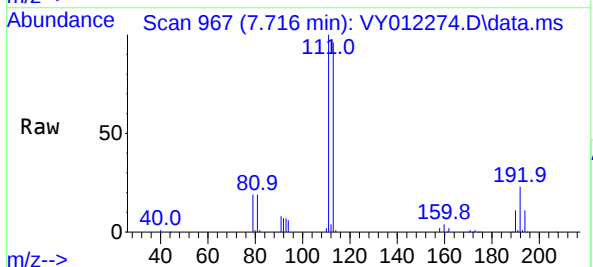
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

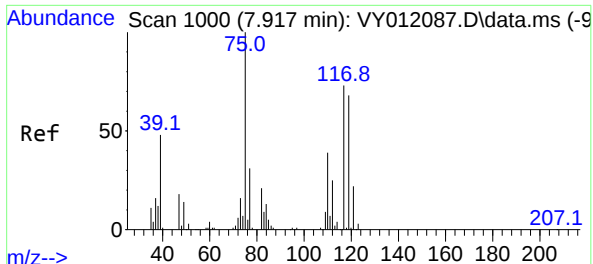
Tgt Ion:114 Resp: 401852
Ion Ratio Lower Upper
114 100
63 17.5 0.0 39.6
88 15.5 0.0 32.2



#35
Dibromofluoromethane
Concen: 56.204 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion:113 Resp: 119592
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 22.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.370 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

PE-6

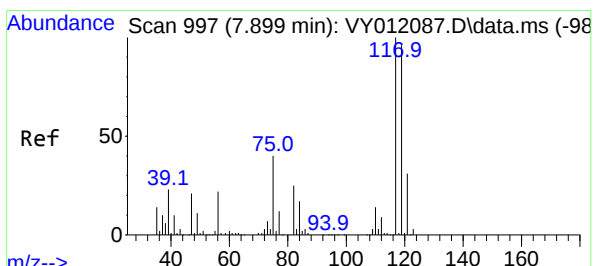
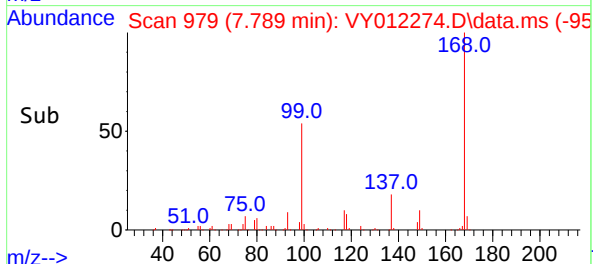
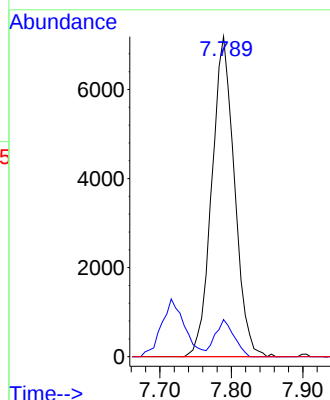
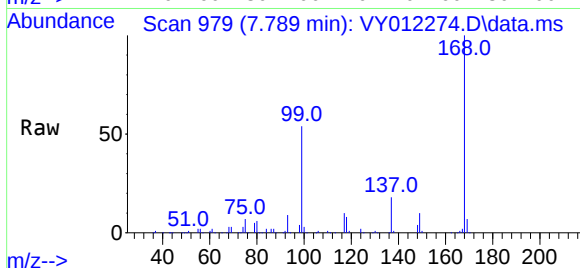
Tgt Ion: 75 Resp: 15804

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.888 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

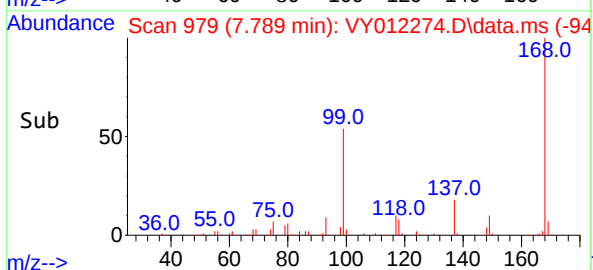
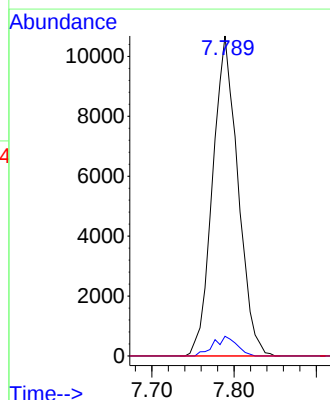
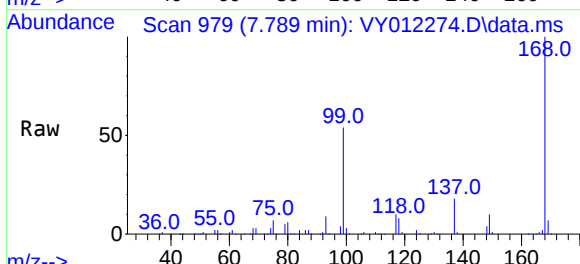
Tgt Ion: 117 Resp: 22827

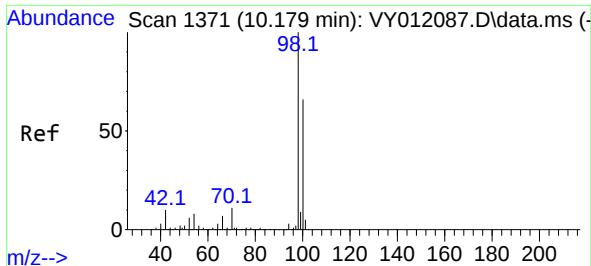
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

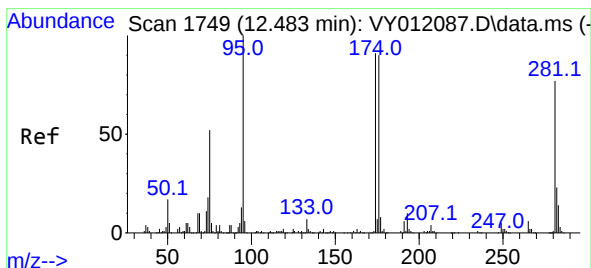
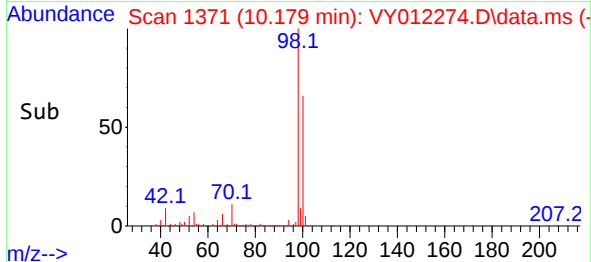
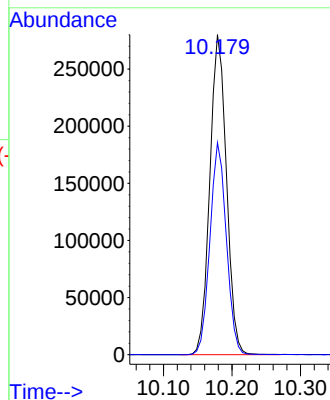
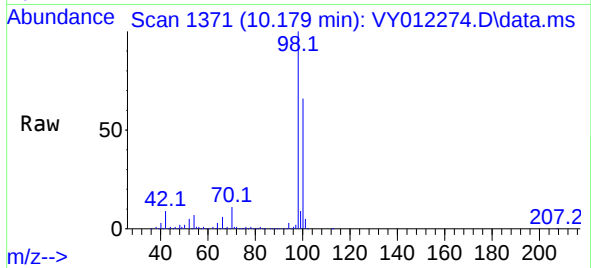




#50
Toluene-d8
Concen: 65.478 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

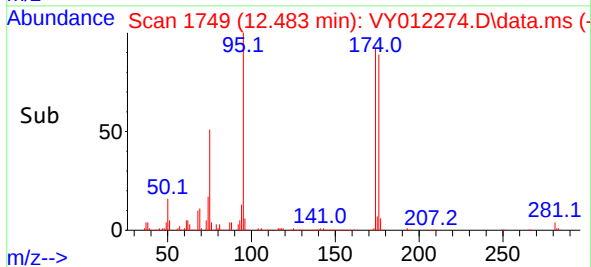
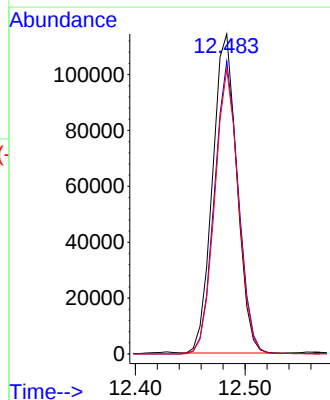
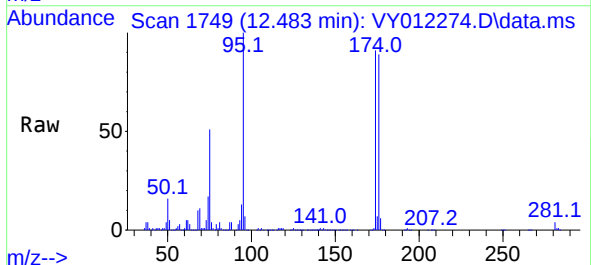
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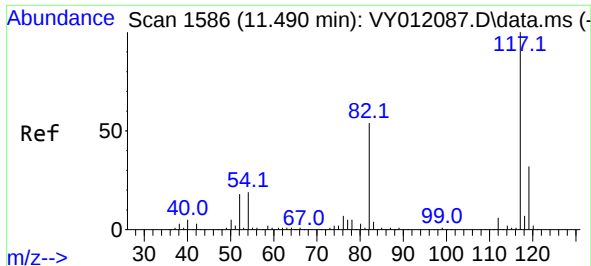
Tgt Ion: 98 Resp: 472848
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 58.663 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 95 Resp: 175964
Ion Ratio Lower Upper
95 100
174 90.6 0.0 172.0
176 87.3 0.0 167.6

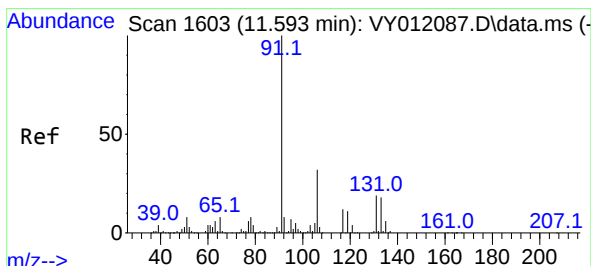
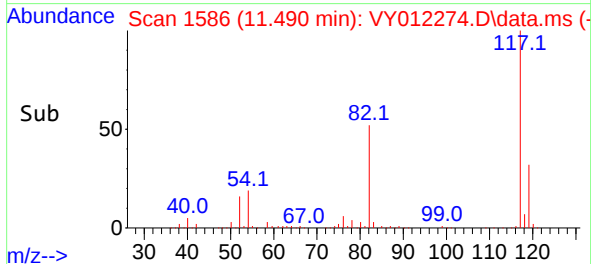
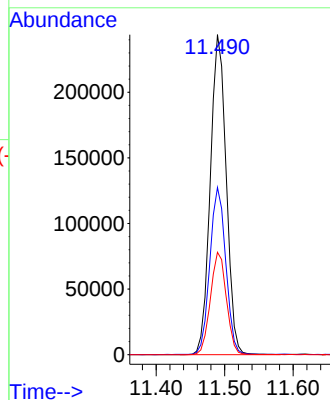
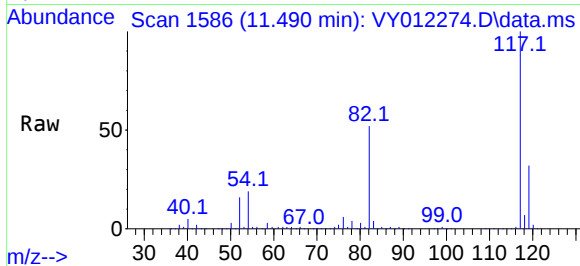




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

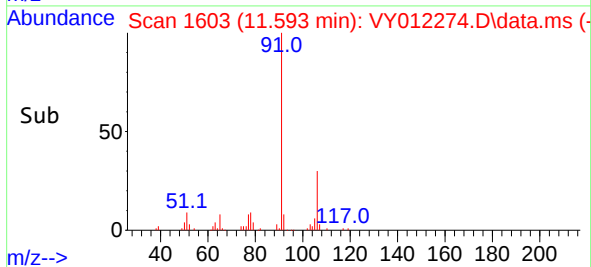
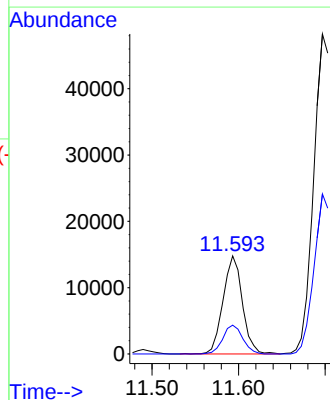
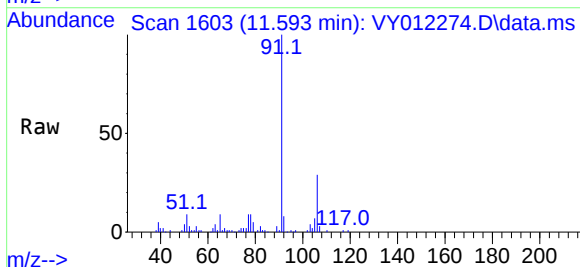
Instrument :
MSVOA_Y
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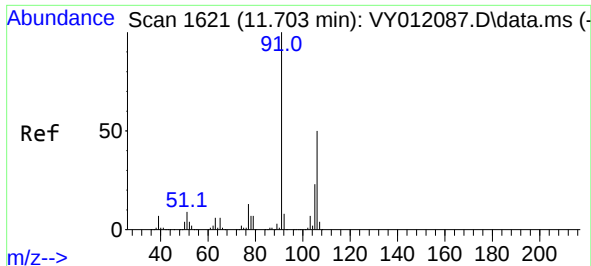
Tgt Ion:117 Resp: 393811
Ion Ratio Lower Upper
117 100
82 52.1 44.8 67.2
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: 1.591 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 91 Resp: 22905
Ion Ratio Lower Upper
91 100
106 29.4 25.0 37.4

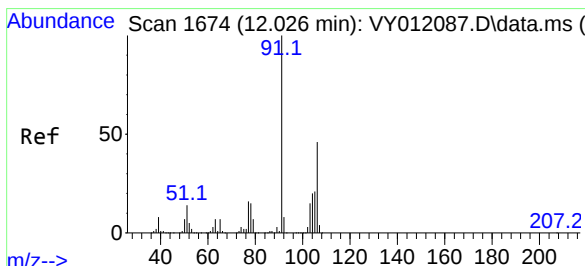
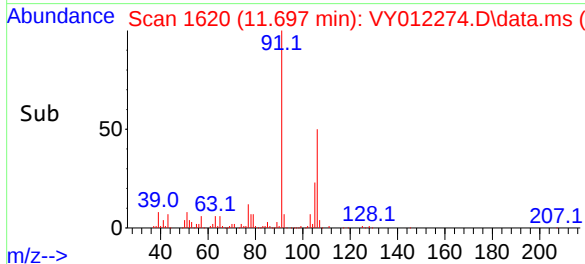
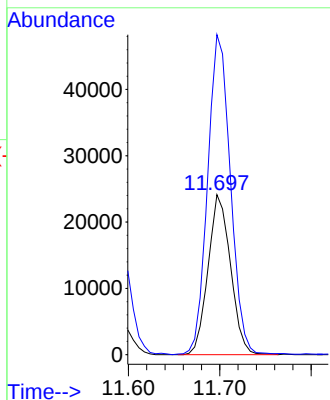
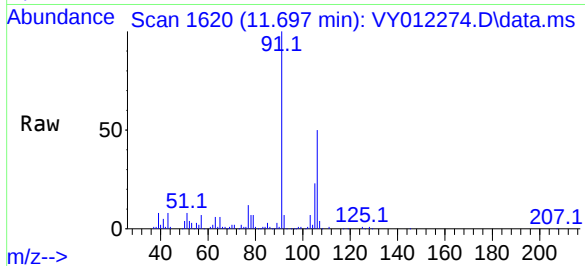




#68
m/p-Xylenes
Concen: 7.231 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

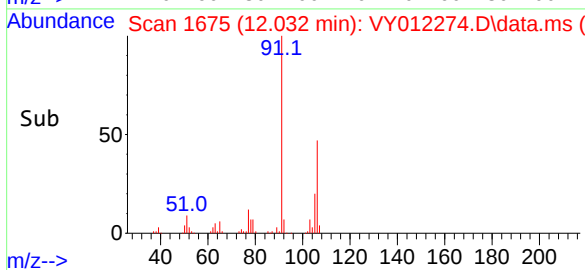
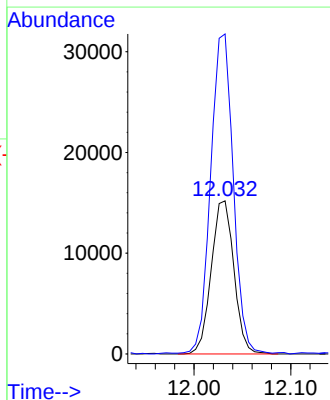
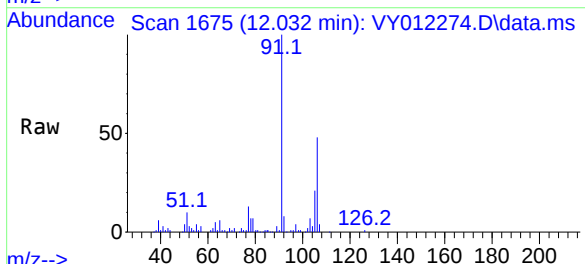
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

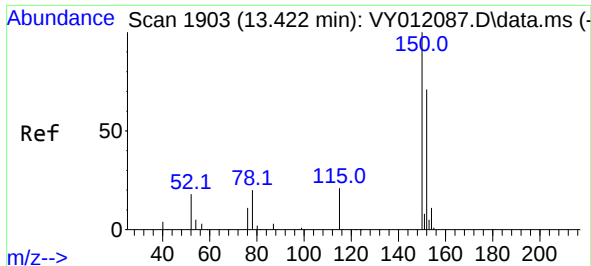
Tgt Ion:106 Resp: 41171
Ion Ratio Lower Upper
106 100
91 203.6 162.5 243.7



#69
o-Xylene
Concen: 4.535 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion:106 Resp: 24661
Ion Ratio Lower Upper
106 100
91 209.7 107.5 322.4

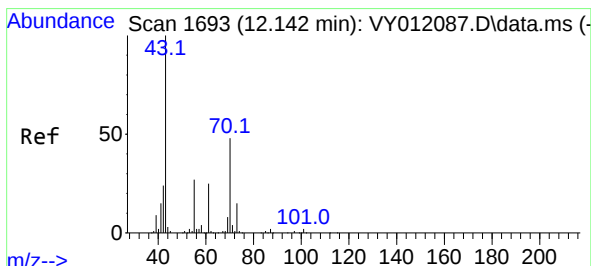
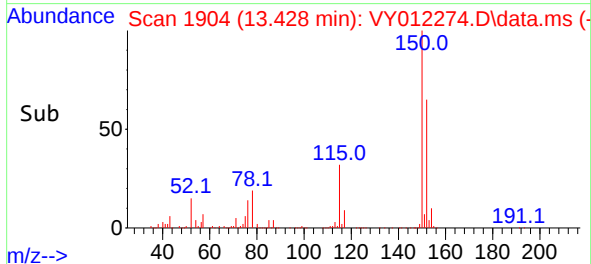
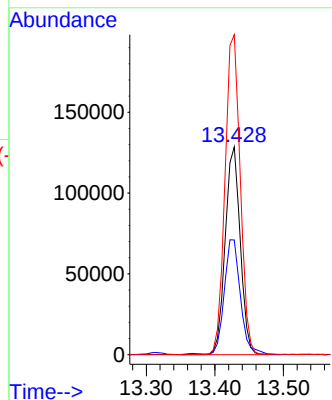
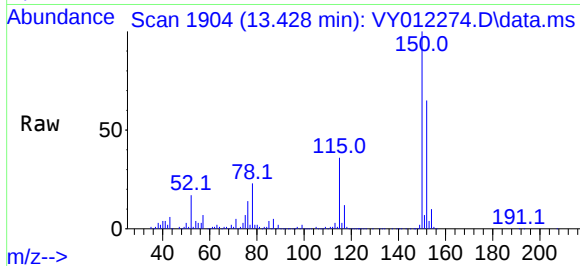




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

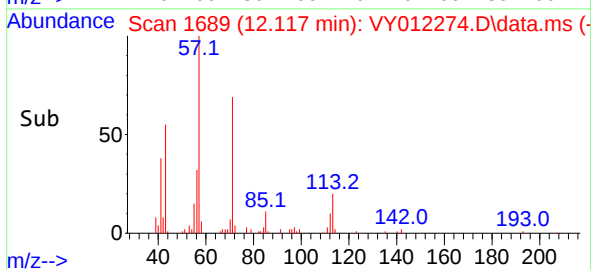
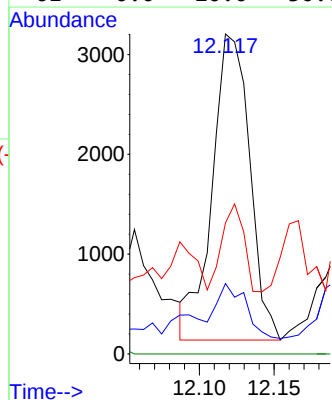
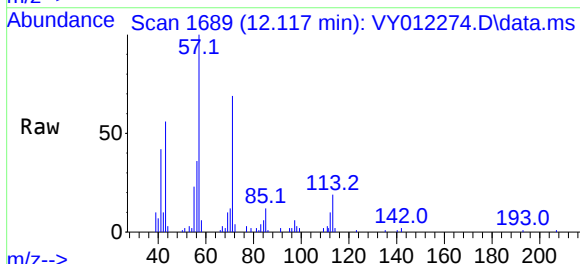
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

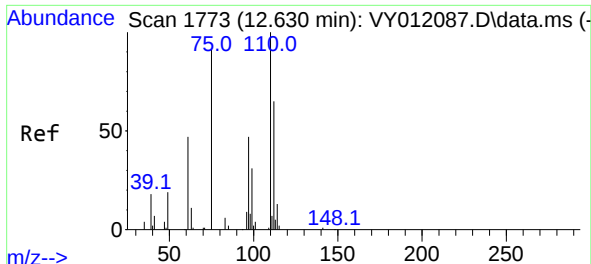
Tgt Ion:152 Resp: 195112
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.3
150 156.3 0.0 342.6



#74
N-amy1 acetate
Concen: 1.938 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
70 13.7 35.8 53.8#
55 16.6 21.0 31.4#
61 0.0 20.0 30.0#

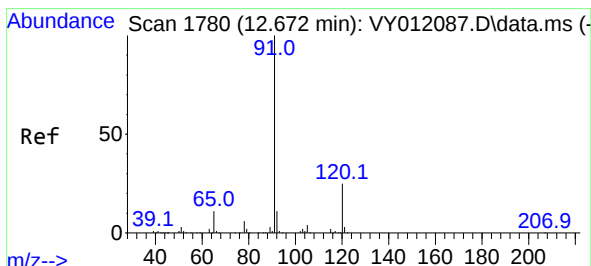
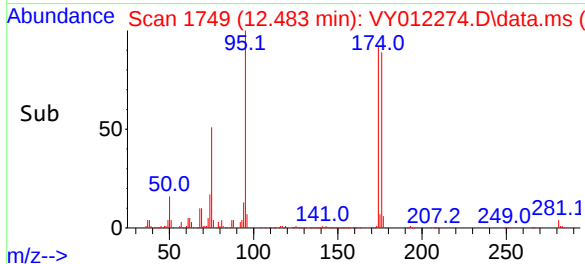
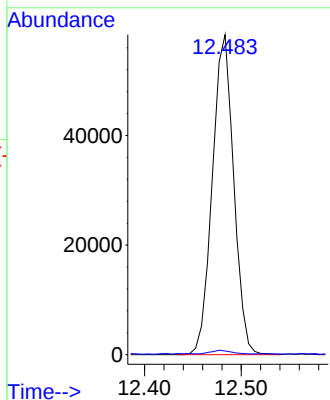
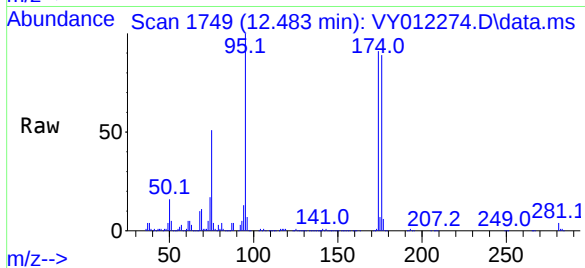




#76
1,2,3-Trichloropropane
Concen: 49.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

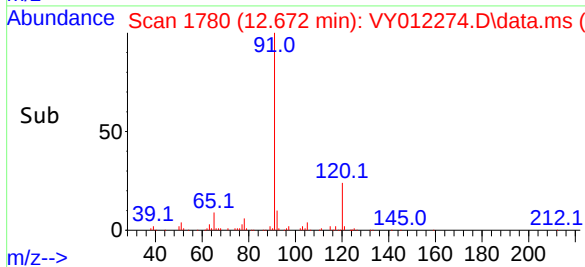
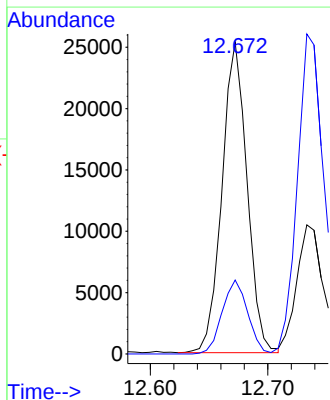
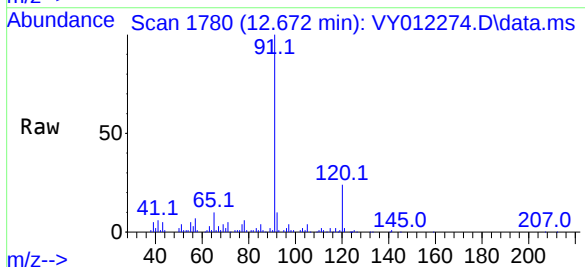
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

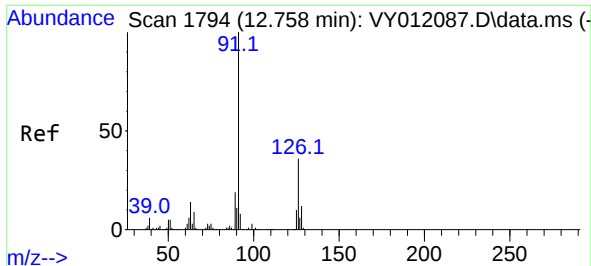
Tgt Ion: 75 Resp: 89605
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#78
n-propylbenzene
Concen: 2.280 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 91 Resp: 37536
Ion Ratio Lower Upper
91 100
120 24.3 11.8 35.4

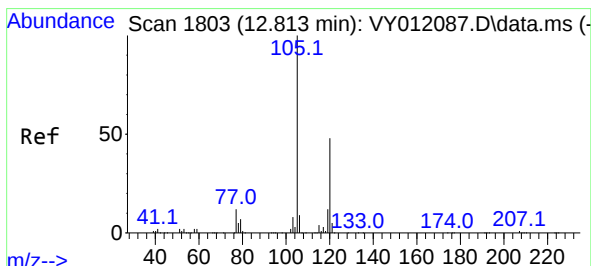
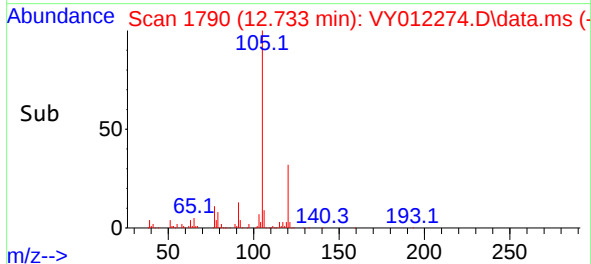
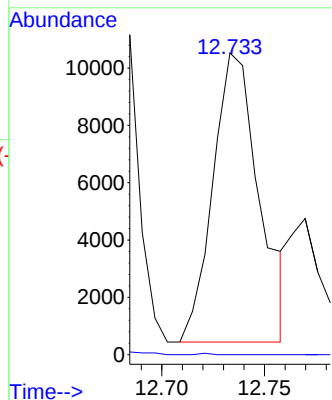
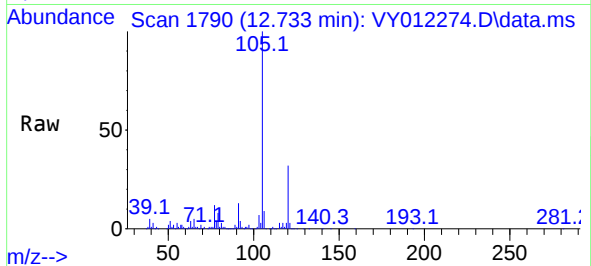




#79
2-Chlorotoluene
Concen: 1.699 ug/l
RT: 12.733 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

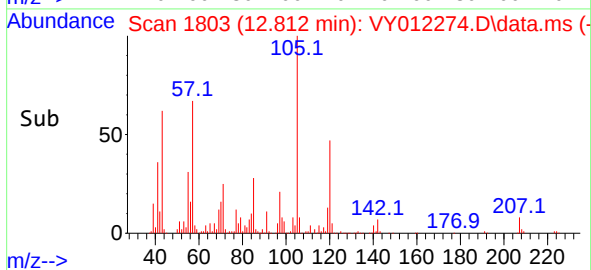
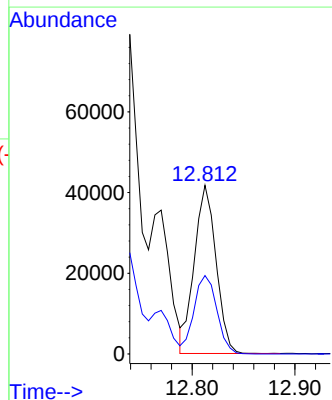
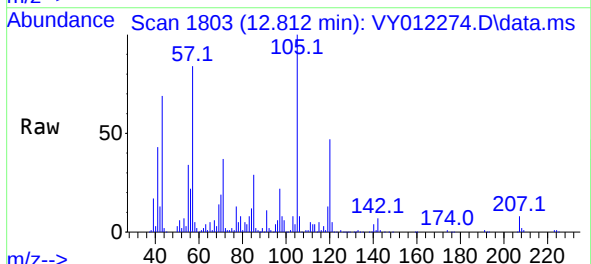
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

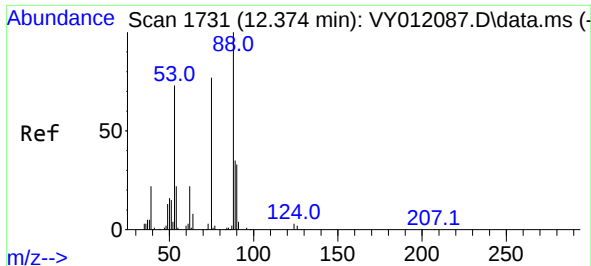
Tgt Ion: 91 Resp: 15816
Ion Ratio Lower Upper
91 100
126 0.1 17.2 51.5#



#80
1,3,5-Trimethylbenzene
Concen: 5.010 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 105 Resp: 61270
Ion Ratio Lower Upper
105 100
120 49.2 24.2 72.6

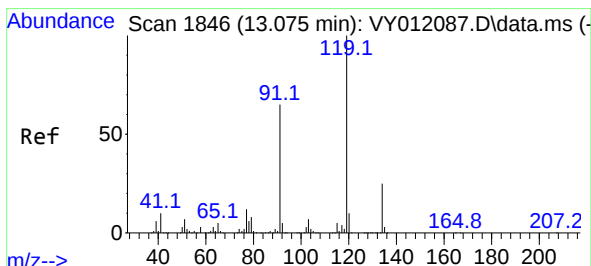
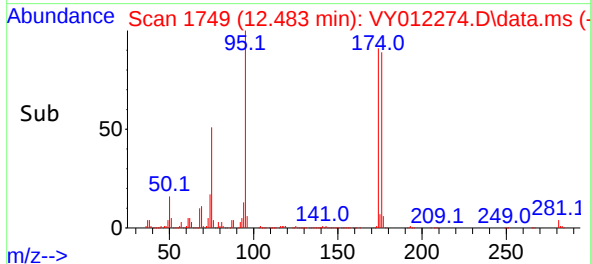
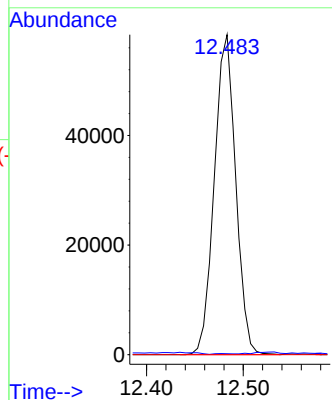
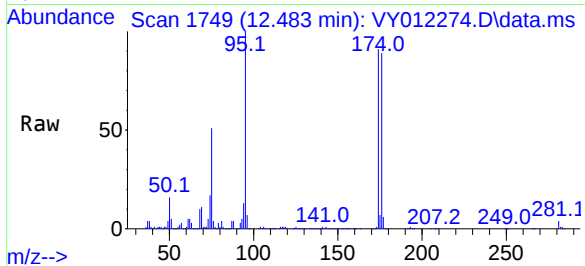




#81
trans-1,4-Dichloro-2-butene
Concen: 102.906 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

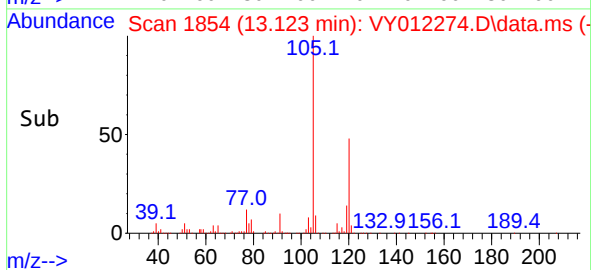
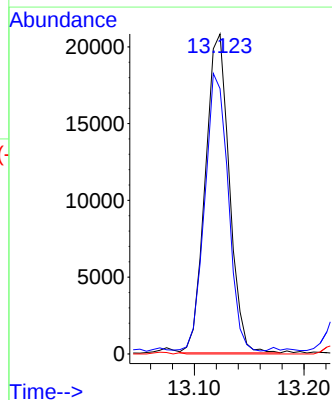
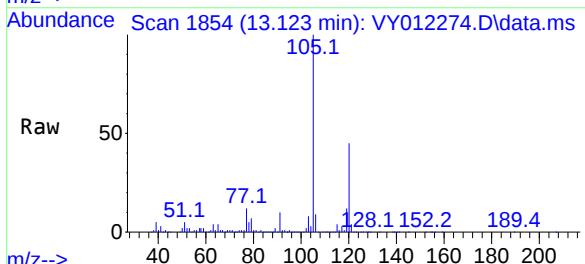
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

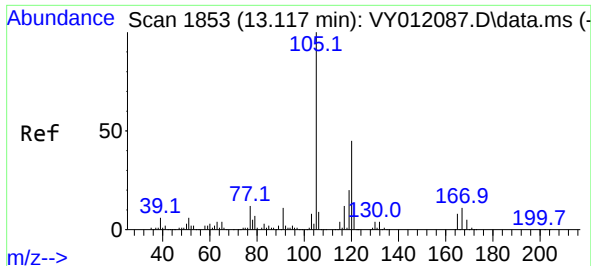
Tgt Ion: 75 Resp: 89605
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 2.964 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.048 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 119 Resp: 31592
Ion Ratio Lower Upper
119 100
91 84.7 32.3 96.8
134 0.0 13.0 39.0#

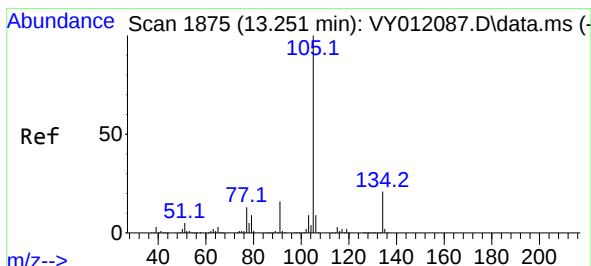
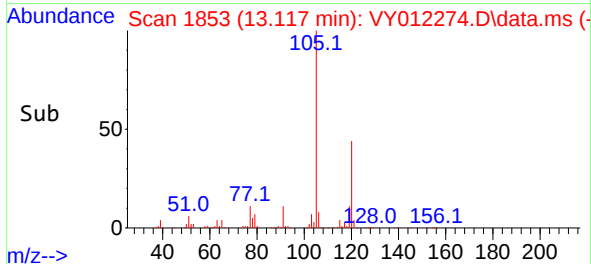
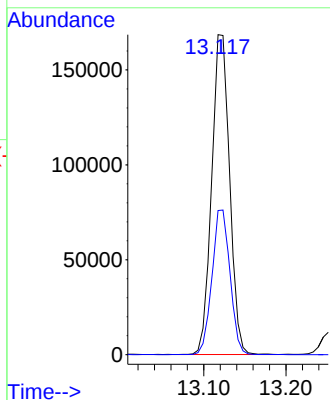
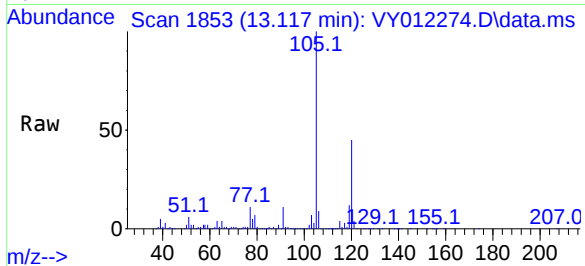




#84
1,2,4-Trimethylbenzene
Concen: 21.176 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

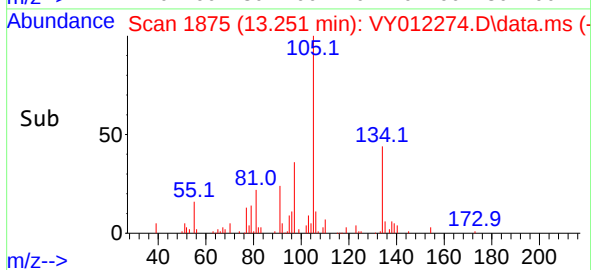
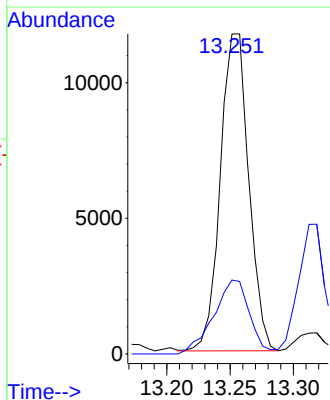
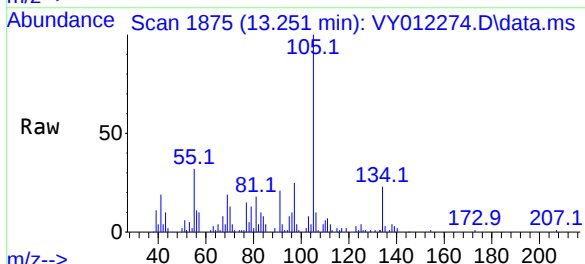
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

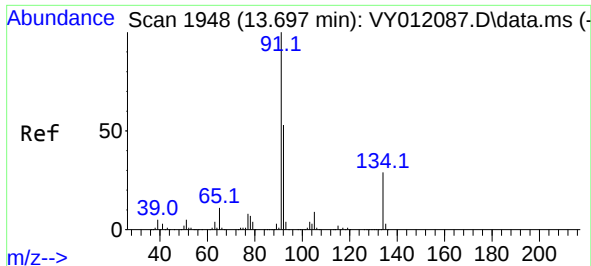
Tgt Ion:105 Resp: 255422
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.7



#85
sec-Butylbenzene
Concen: 1.204 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion:105 Resp: 18267
Ion Ratio Lower Upper
105 100
134 29.3 10.1 30.3

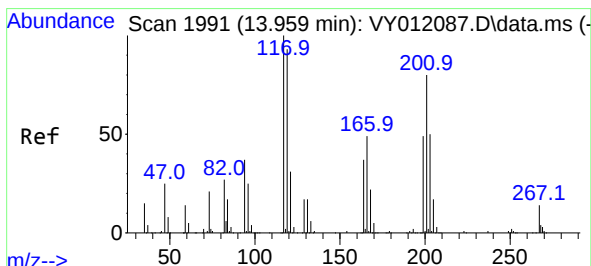
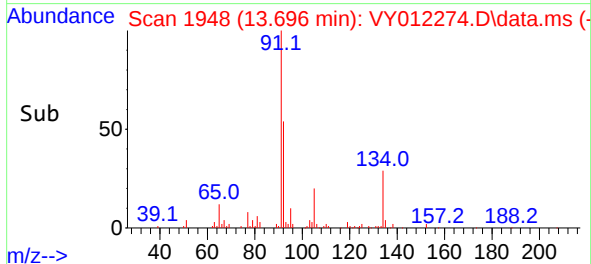
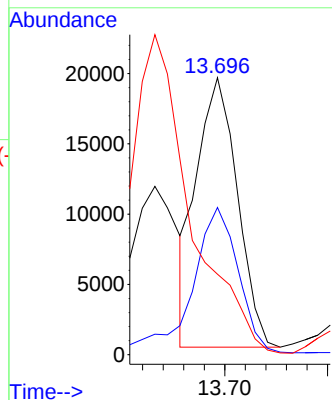
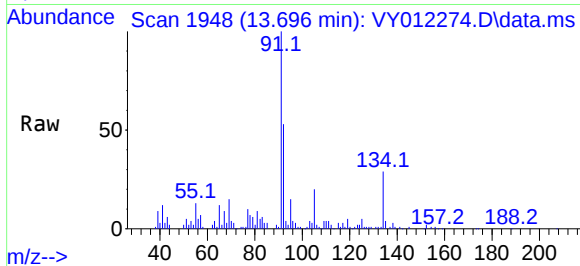




#89
n-Butylbenzene
Concen: 2.290 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

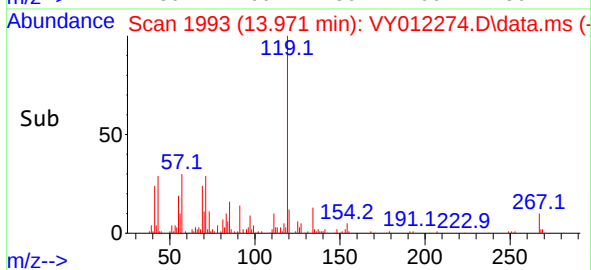
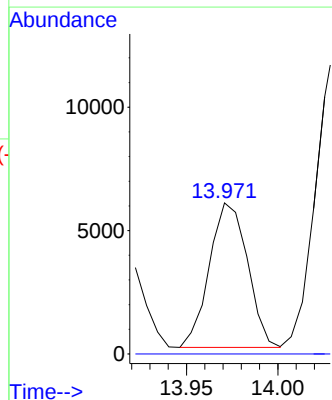
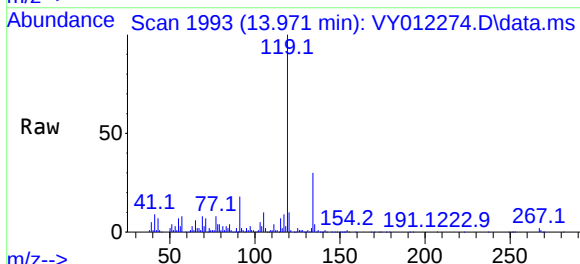
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

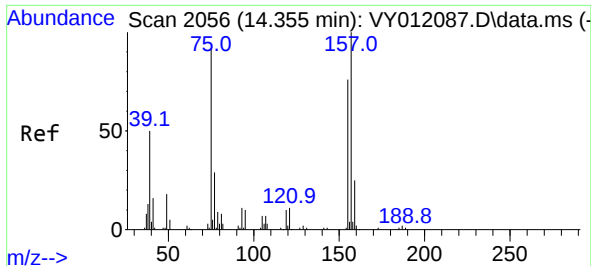
Tgt Ion: 91 Resp: 26313
Ion Ratio Lower Upper
91 100
92 61.5 26.8 80.4
134 0.0 13.3 39.8#



#90
Hexachloroethane
Concen: 3.554 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 117 Resp: 8507
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.989 ug/l

RT: 14.337 min Scan# 2056

Delta R.T. -0.018 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

PE-6

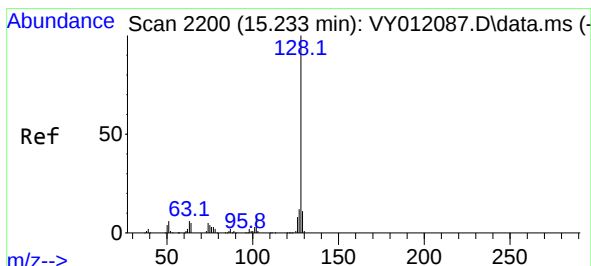
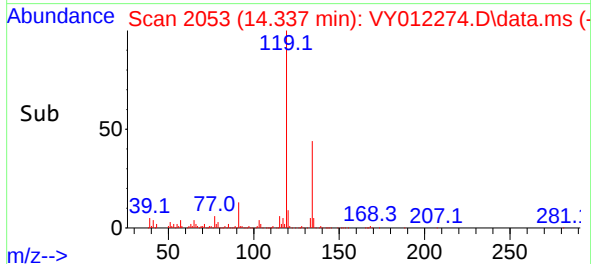
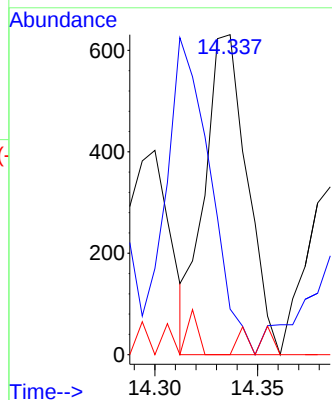
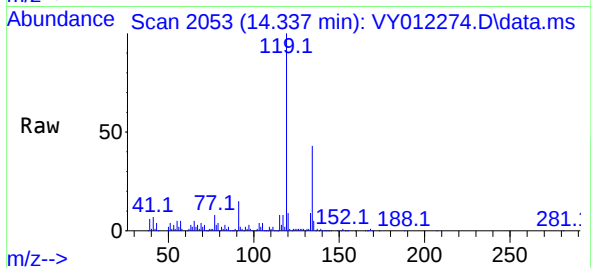
Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 4.5 54.4 163.3#



#95

Naphthalene

Concen: 9.967 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Tgt Ion: 128 Resp: 75736

Ion Ratio Lower Upper

128 100

127 15.6 10.2 15.2#

129 12.8 8.8 13.2

