

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012446.D
 Acq On : 01 Feb 2023 16:49
 Operator : KP/MD
 Sample : 01383-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0042

Quant Time: Feb 01 23:06:42 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	7.795	168	177340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207018	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78583	53.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.520%	
35) Dibromofluoromethane	7.722	113	76630	51.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.179	98	367518	73.519	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 147.040%#	
62) 4-Bromofluorobenzene	12.483	95	92247	44.099	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	42521	243.435	ug/l	97
13) Acrolein	3.735	56	236	Below Cal	#	14
16) Acetone	3.948	43	20784775	42090.388	ug/l	92
17) Carbon Disulfide	4.192	76	5704	1.132	ug/l	97
18) Methyl Acetate	4.485	43	12665	11.462	ug/l	# 87
20) Methylene Chloride	4.716	84	21162	2.727	ug/l	# 82
25) 2-Butanone	6.984	43	85280	156.431	ug/l	92
29) Tetrahydrofuran	7.344	42	934	3.119	ug/l	# 31
30) Chloroform	7.508	83	4126	1.255	ug/l	# 1
31) Cyclohexane	7.771	56	2621385	1013.827	ug/l	# 45
37) Ethyl Acetate	6.984	43	85280	76.707	ug/l	# 71
38) Carbon Tetrachloride	7.789	117	18855	5.789	ug/l	# 16
39) Methylcyclohexane	9.185	83	2105167	683.076	ug/l	98
40) Benzene	8.161	78	31221	4.289	ug/l	99
41) Methacrylonitrile	7.533	41	142955	218.757	ug/l	# 100
42) 1,2-Dichloroethane	8.277	62	7514	3.243	ug/l	# 1
43) Isopropyl Acetate	8.271	43	1648266	796.878	ug/l	# 51
45) 1,2-Dichloropropane	9.240	63	2249	1.481	ug/l	# 1
47) Bromodichloromethane	9.374	83	65014	25.401	ug/l	# 25
48) Methyl methacrylate	9.295	41	113470	119.062	ug/l	97
49) 1,4-Dioxane	9.161	88	20	1.444	ug/l	# 24
51) 4-Methyl-2-Pentanone	10.069	43	451161	409.055	ug/l	91
52) Toluene	10.246	92	6304913	1300.942	ug/l	92
53) t-1,3-Dichloropropene	10.246	75	85160	31.809	ug/l	# 1
55) 1,1,2-Trichloroethane	10.618	97	300474	207.996	ug/l	# 20
56) Ethyl methacrylate	10.520	69	52345	27.620	ug/l	# 2
58) 2-Chloroethyl Vinyl ether	9.813	63	2833	4.518	ug/l	# 46
59) 2-Hexanone	10.801	43	266060	316.844	ug/l	# 27
65) Chlorobenzene	11.416	112	4345	1.026	ug/l	# 43
67) Ethyl Benzene	11.593	91	3486980	460.631	ug/l	97
68) m/p-Xylenes	11.703	106	4531527	1514.007	ug/l	96
69) o-Xylene	12.032	106	1633471	571.377	ug/l	99
70) Styrene	12.032	104	85081	17.812	ug/l	# 1
73) Isopropylbenzene	12.331	105	544521	137.851	ug/l	99
74) N-amyl acetate	12.123	43	266929	344.728	ug/l	# 60
75) 1,1,2,2-Tetrachloroethane	12.532	83	25597	41.141	ug/l	# 76

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

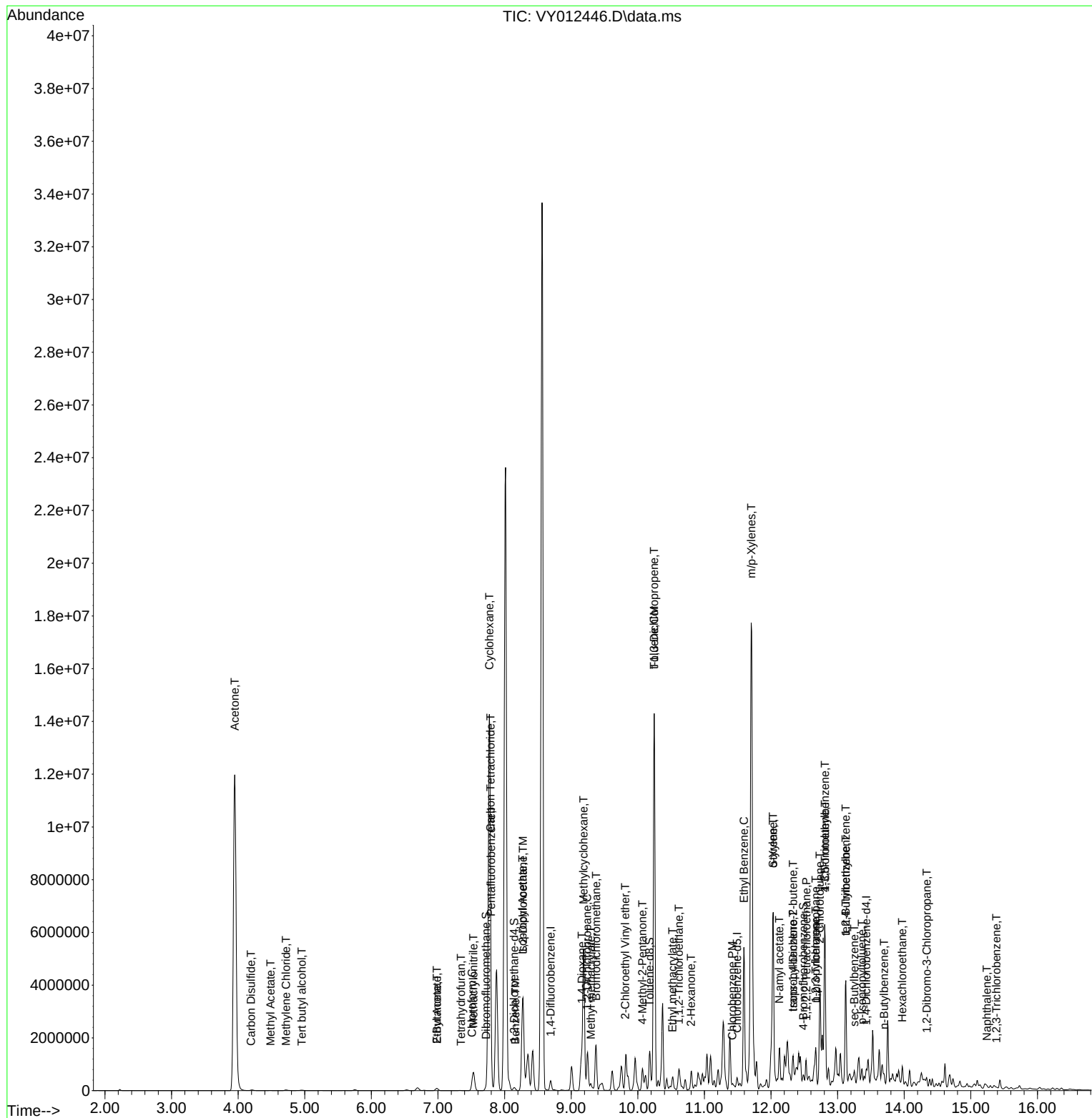
76) 1,2,3-Trichloropropane	12.672	75	6420	12.745	ug/l	#	100
78) n-propylbenzene	12.672	91	1012030	218.946	ug/l		99
79) 2-Chlorotoluene	12.733	91	272373	104.220	ug/l	#	41
80) 1,3,5-Trimethylbenzene	12.812	105	654697	190.660	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.331	75	6981	28.556	ug/l	#	26
82) 4-Chlorotoluene	12.812	91	74796	27.246	ug/l	#	50
83) tert-Butylbenzene	13.123	119	256384	85.666	ug/l	#	64
84) 1,2,4-Trimethylbenzene	13.123	105	2094598	618.531	ug/l		100
85) sec-Butylbenzene	13.251	105	199914	46.916	ug/l		80
86) p-Isopropyltoluene	13.367	119	102127	27.432	ug/l		99
89) n-Butylbenzene	13.696	91	253964	78.717	ug/l	#	71
90) Hexachloroethane	13.971	117	27714	41.236	ug/l	#	9
92) 1,2-Dibromo-3-Chloropr...	14.336	75	1354	10.530	ug/l	#	1
95) Naphthalene	15.239	128	81143	38.037	ug/l		97
96) 1,2,3-Trichlorobenzene	15.385	180	991	1.066	ug/l	#	1

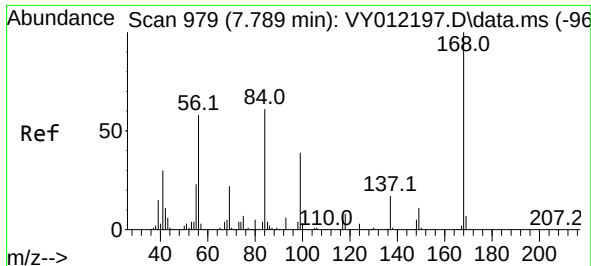
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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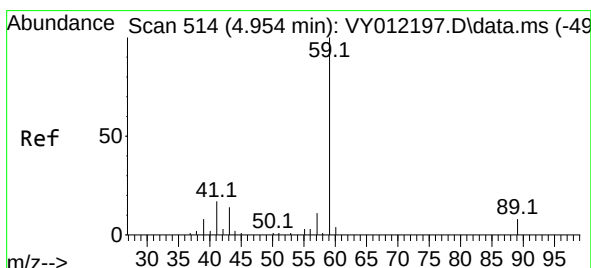
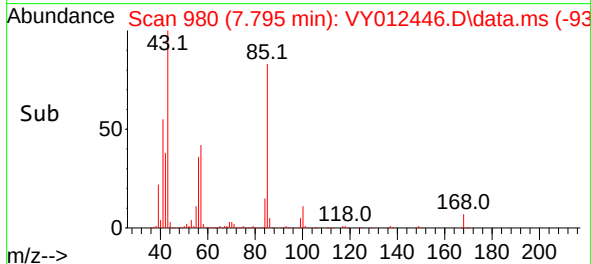
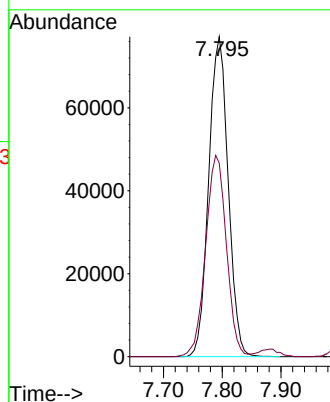
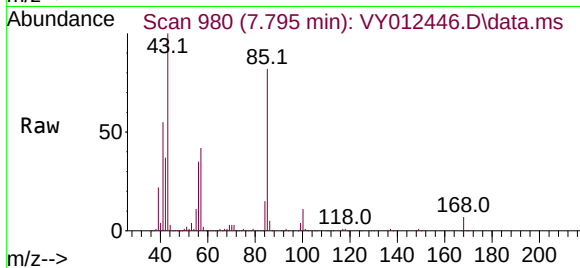




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

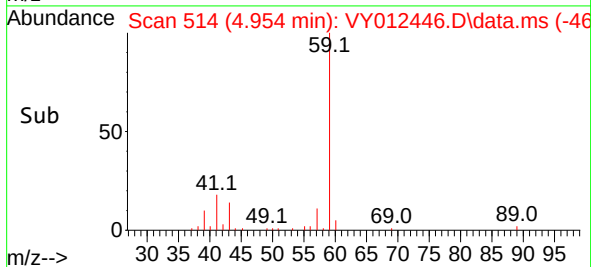
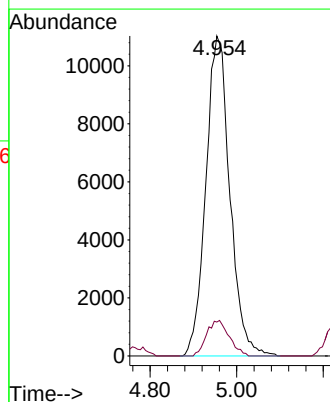
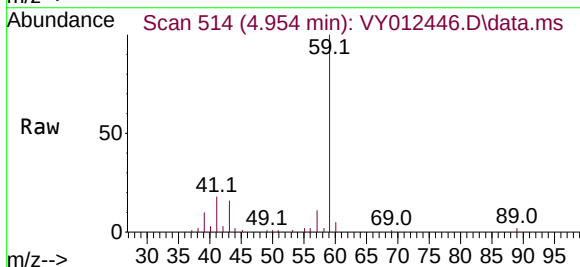
Instrument :
MSVOA_Y
ClientSampleId :
0042

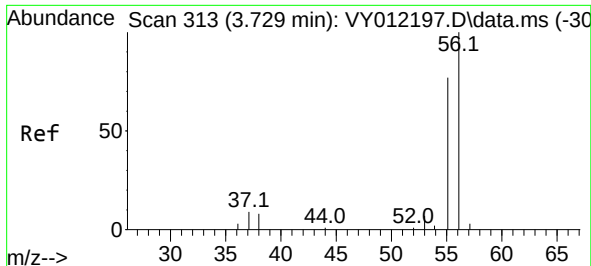
Tgt Ion:168 Resp: 177340
Ion Ratio Lower Upper
168 100
99 60.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 243.435 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 59 Resp: 42521
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

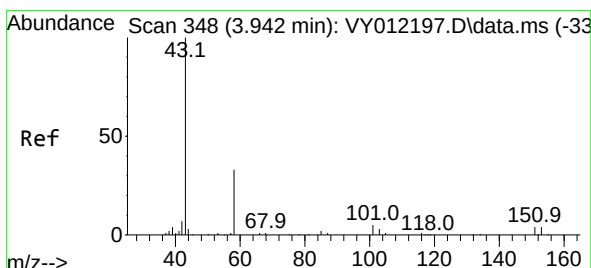
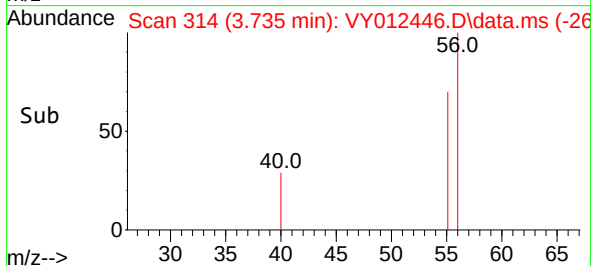
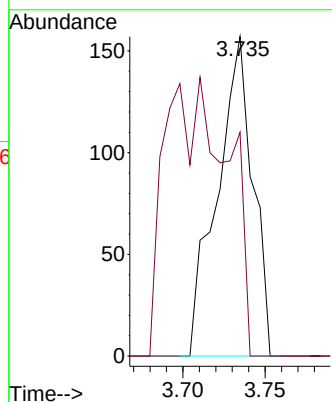
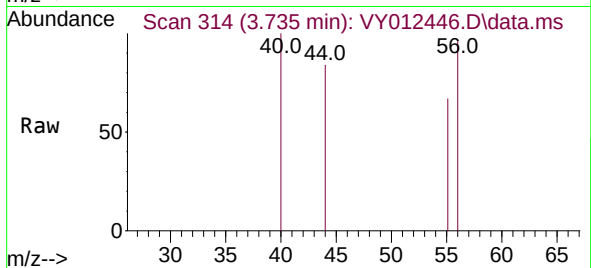
0042

Tgt Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 42090.388 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY012446.D

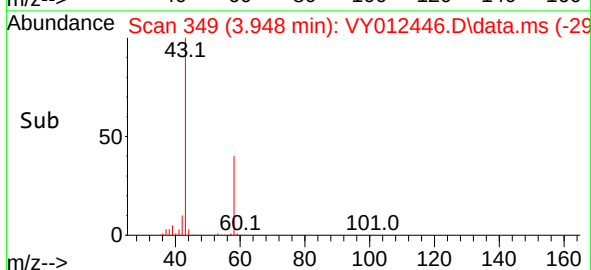
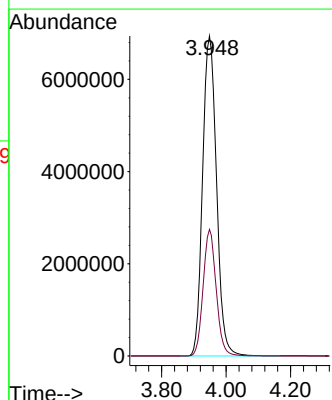
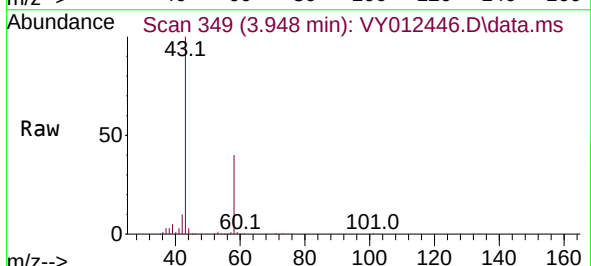
Acq: 01 Feb 2023 16:49

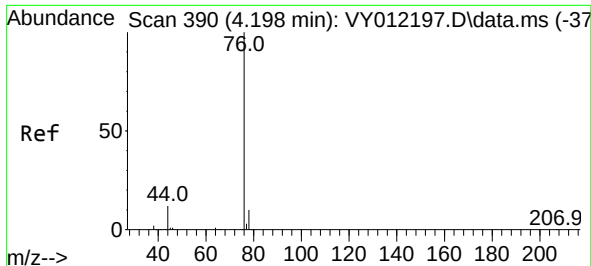
Tgt Ion: 43 Resp: 20784775

Ion Ratio Lower Upper

43 100

58 39.6 27.9 41.9

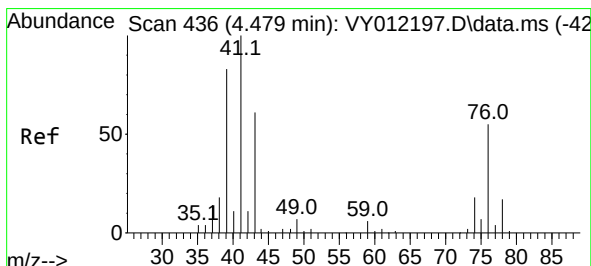
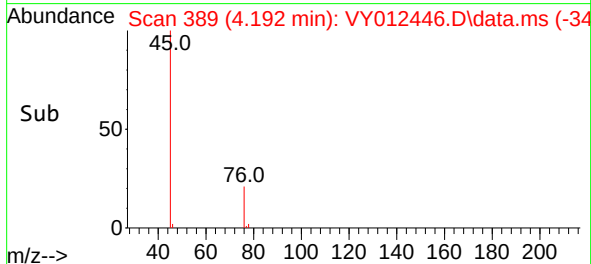
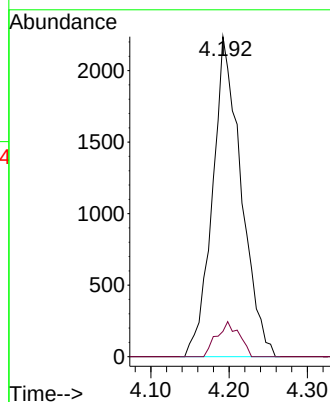
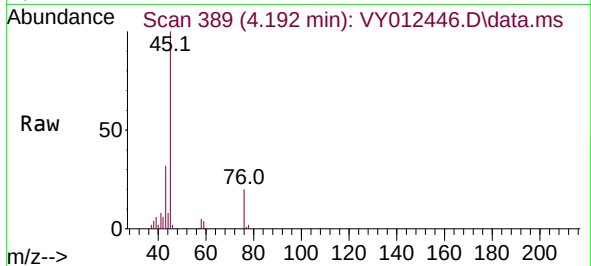




#17
Carbon Disulfide
Concen: 1.132 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

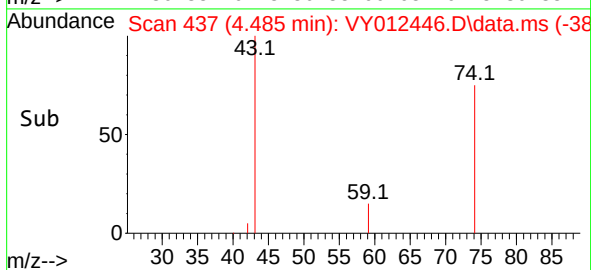
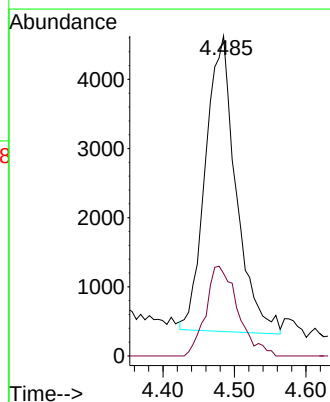
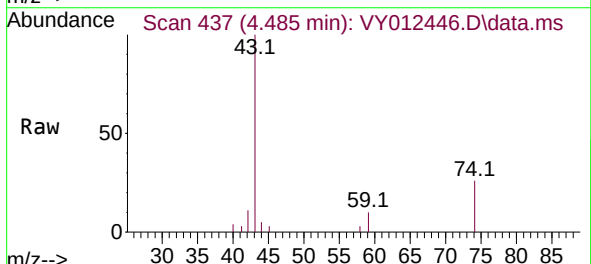
Instrument :
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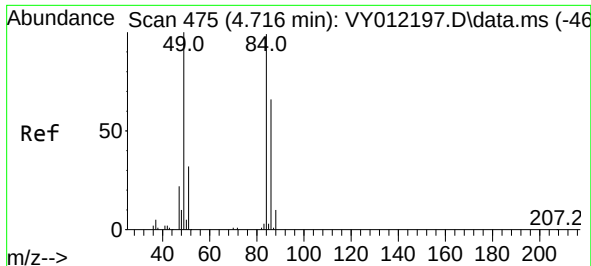
Tgt Ion: 76 Resp: 5704
Ion Ratio Lower Upper
76 100
78 7.9 7.2 10.8



#18
Methyl Acetate
Concen: 11.462 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 43 Resp: 12665
Ion Ratio Lower Upper
43 100
74 31.9 20.1 30.1#

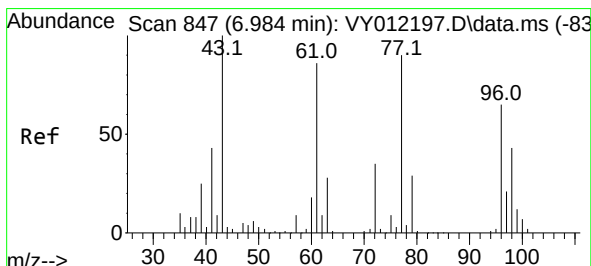
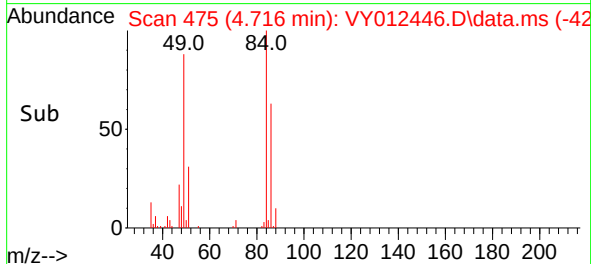
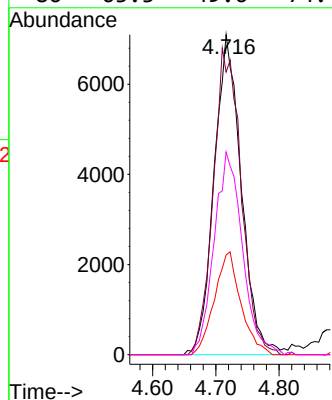
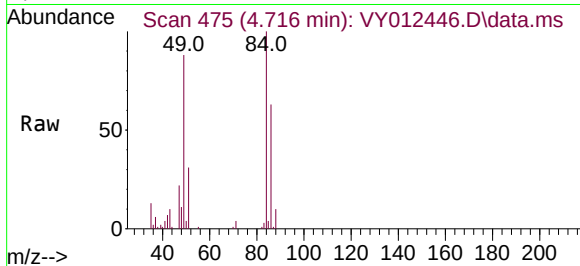




#20
Methylene Chloride
Concen: 2.727 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

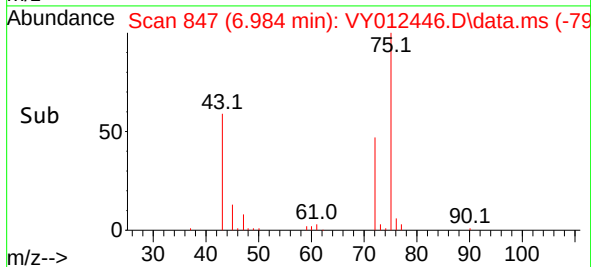
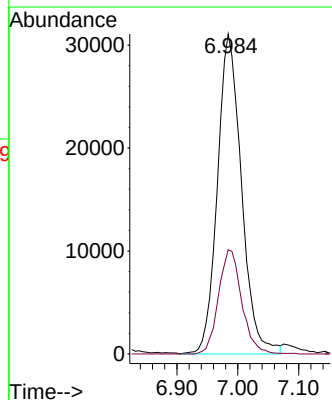
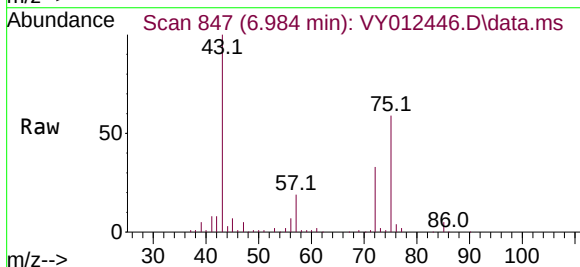
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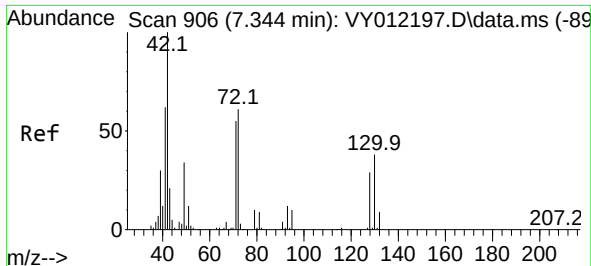
Tgt Ion:	84	Resp:	21162
Ion	Ratio	Lower	Upper
84	100		
49	88.3	95.4	143.2#
51	31.1	29.9	44.9
86	63.3	49.6	74.4



#25
2-Butanone
Concen: 156.431 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion:	43	Resp:	85280
Ion	Ratio	Lower	Upper
43	100		
72	32.5	22.6	34.0





#29

Tetrahydrofuran

Concen: 3.119 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012446.D

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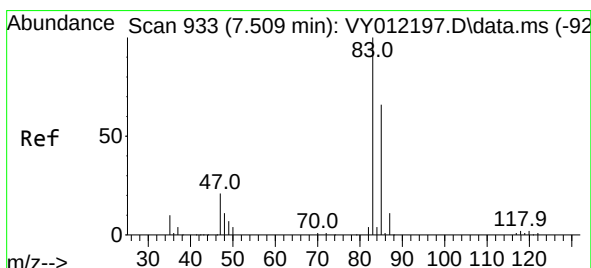
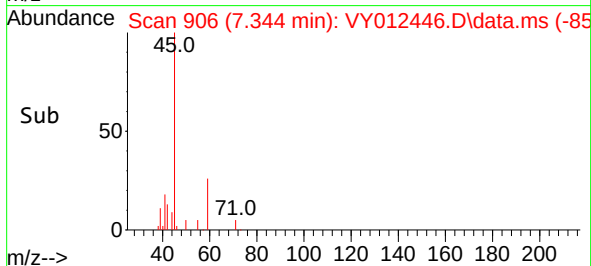
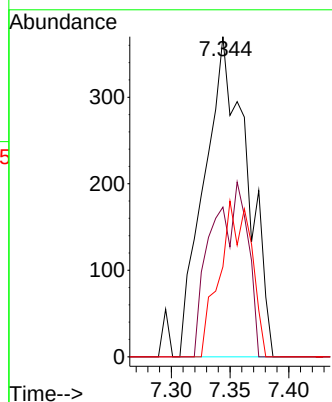
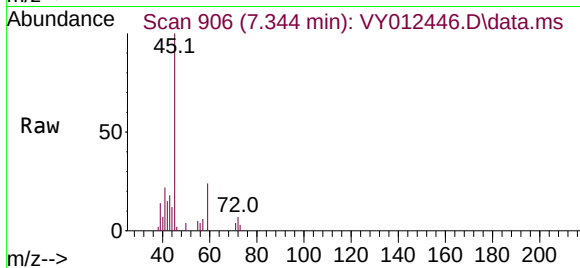
Instrument :

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Tgt Ion:	42	Resp:	934
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.6#
71	0.0	34.9	52.3#



#30

Chloroform

Concen: 1.255 ug/l

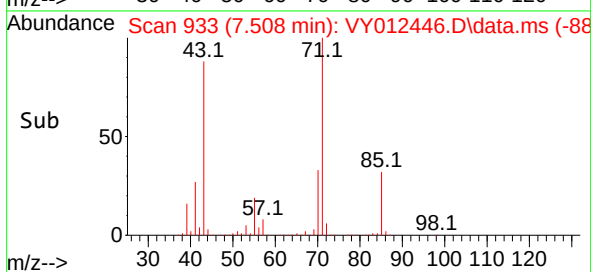
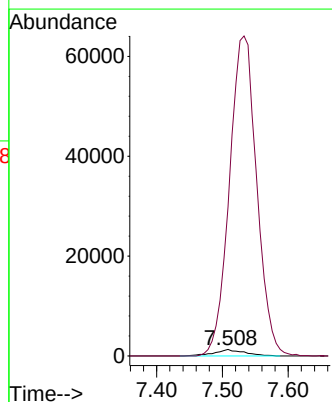
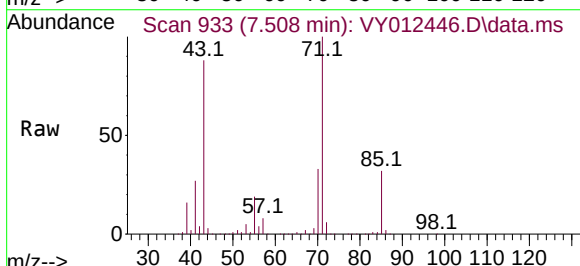
RT: 7.508 min Scan# 933

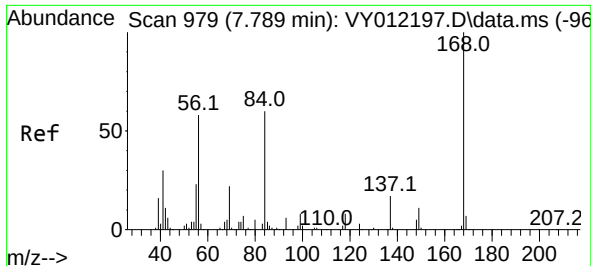
Delta R.T. 0.005 min

Lab File: VY012446.D

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Tgt Ion:	83	Resp:	4126
Ion	Ratio	Lower	Upper
83	100		
85	2273.4	51.5	77.3#

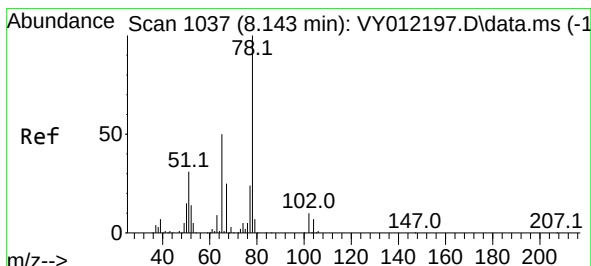
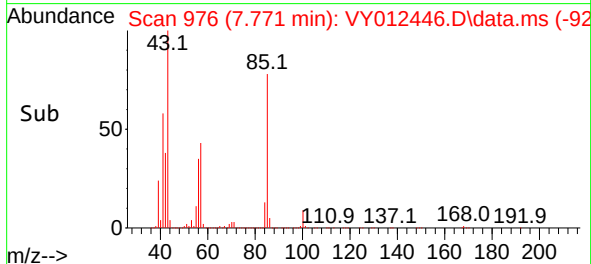
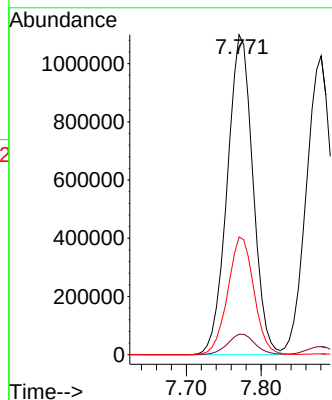
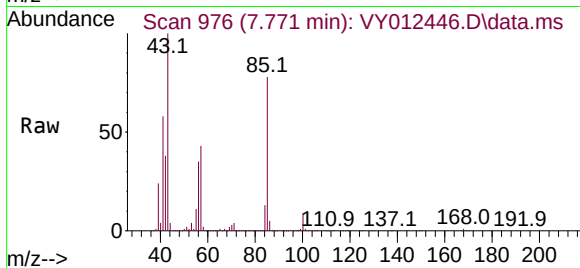




#31
Cyclohexane
Concen: 1013.827 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
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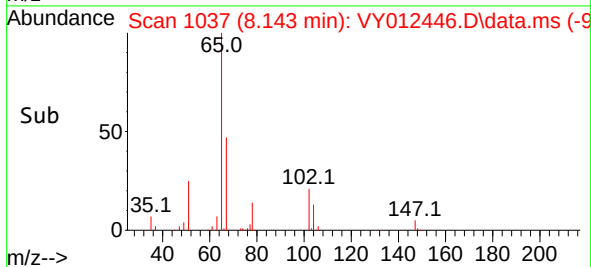
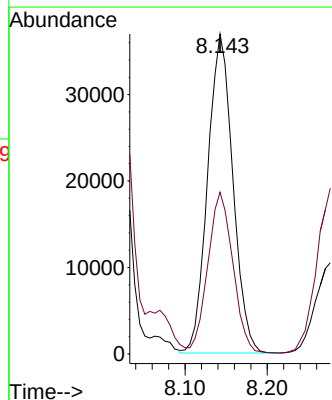
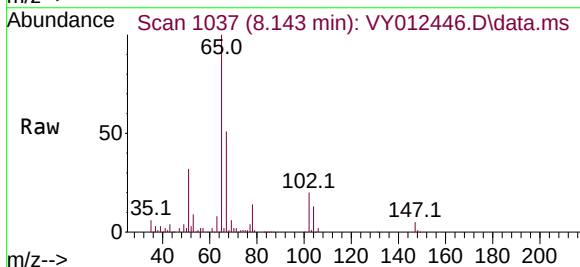
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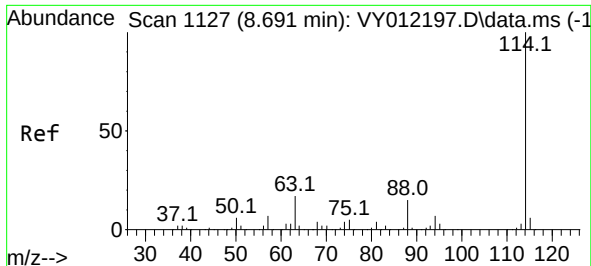
Tgt Ion: 56 Resp: 2621385
Ion Ratio Lower Upper
56 100
69 6.4 29.2 43.8#
84 36.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 53.755 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 65 Resp: 78583
Ion Ratio Lower Upper
65 100
67 49.7 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: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

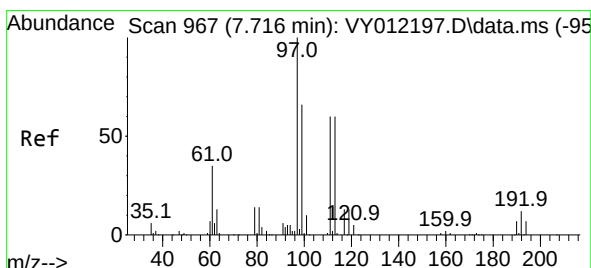
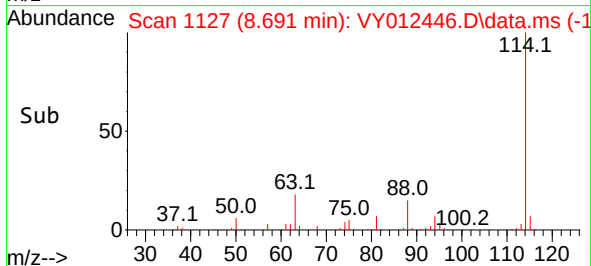
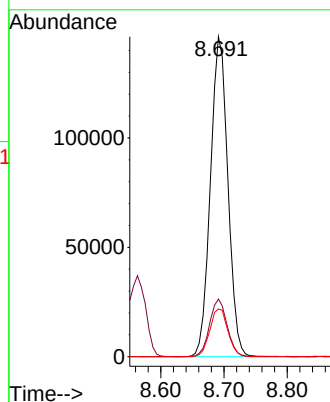
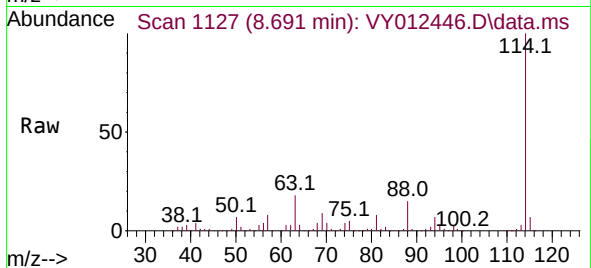
Tgt Ion:114 Resp: 280244

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.641 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

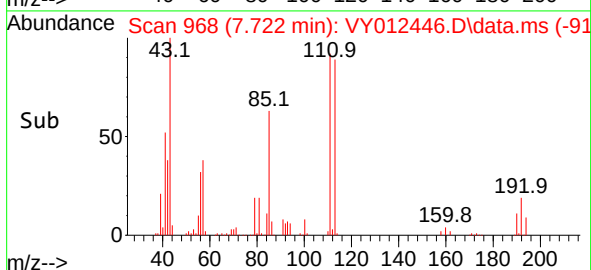
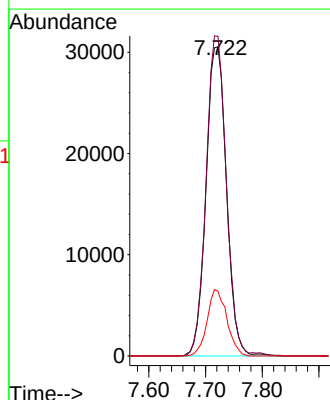
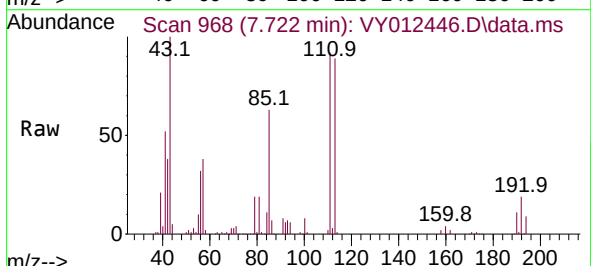
Tgt Ion:113 Resp: 76630

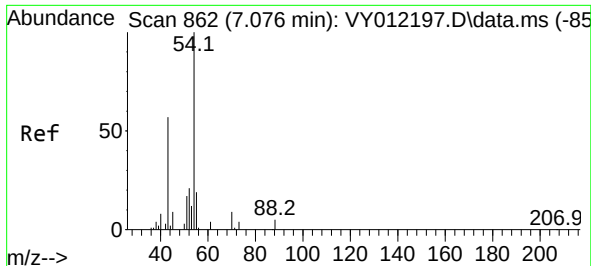
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 20.7 16.0 24.0





#37

Ethyl Acetate

Concen: 76.707 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

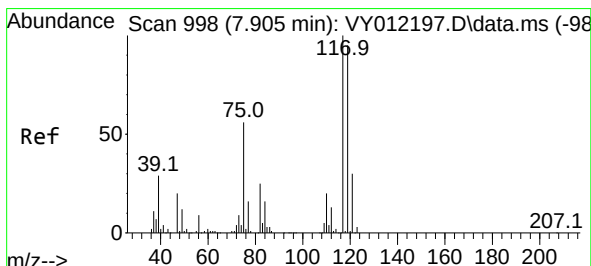
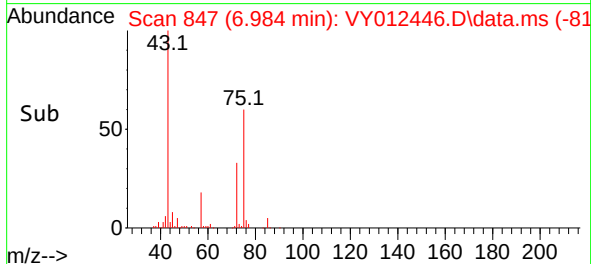
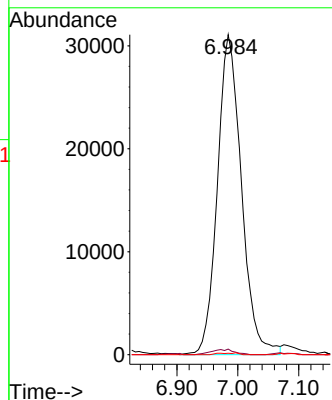
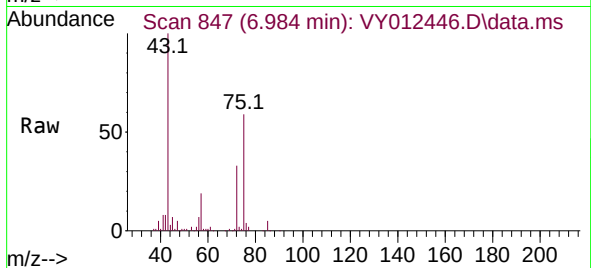
Tgt Ion: 43 Resp: 85280

Ion Ratio Lower Upper

43 100

61 1.6 11.3 16.9#

70 0.2 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.789 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

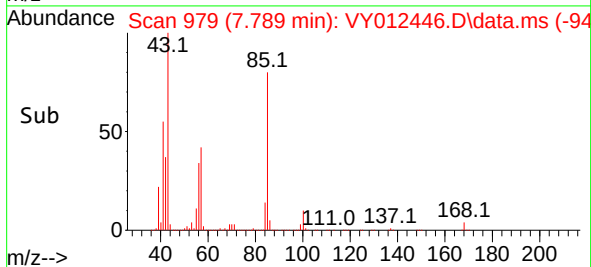
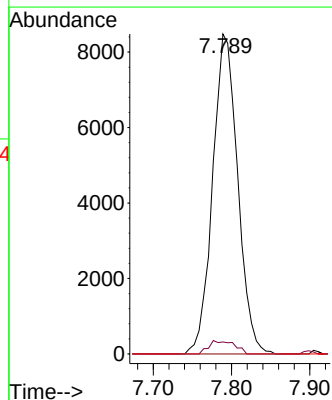
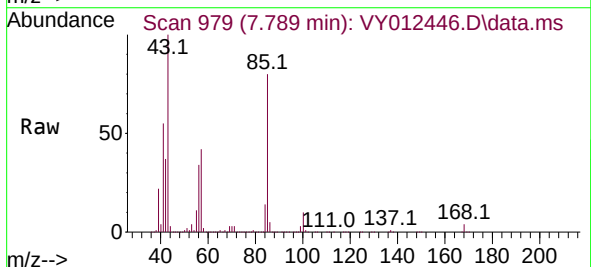
Tgt Ion: 117 Resp: 18855

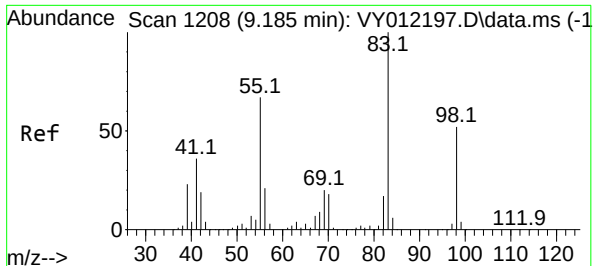
Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

121 0.0 25.2 37.8#





#39

Methylcyclohexane

Concen: 683.076 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

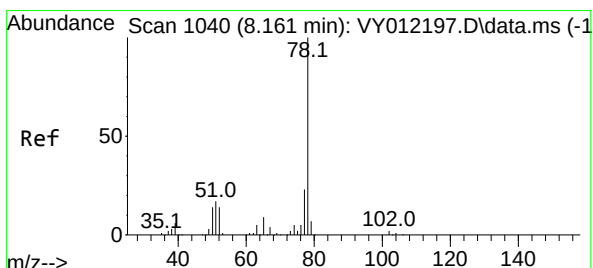
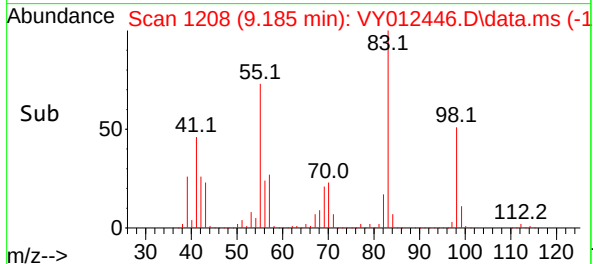
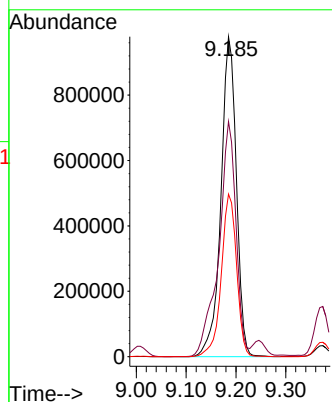
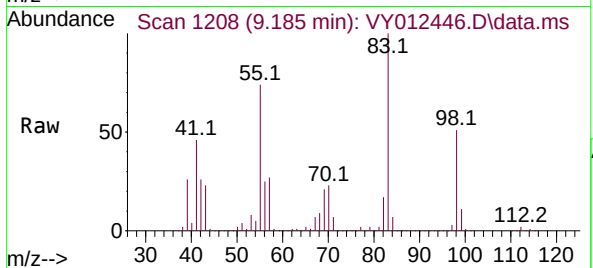
Tgt Ion: 83 Resp: 2105167

Ion Ratio Lower Upper

83 100

55 73.5 58.2 87.2

98 50.8 38.6 58.0



#40

Benzene

Concen: 4.289 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012446.D

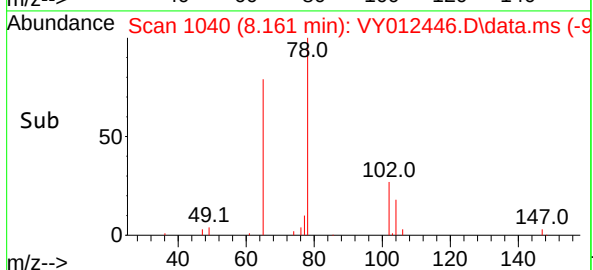
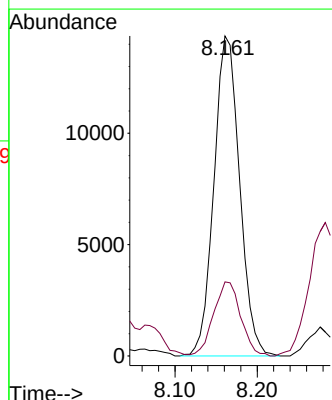
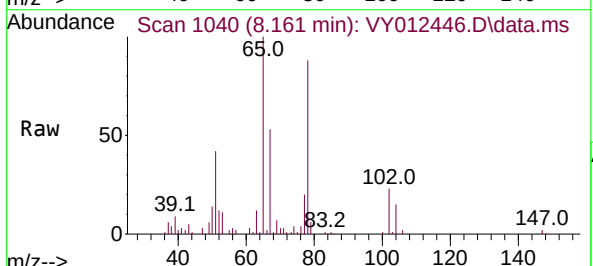
Acq: 01 Feb 2023 16:49

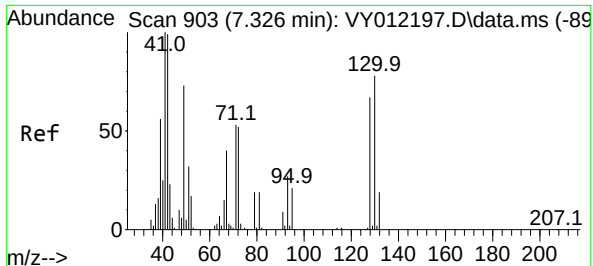
Tgt Ion: 78 Resp: 31221

Ion Ratio Lower Upper

78 100

77 22.5 18.6 27.8

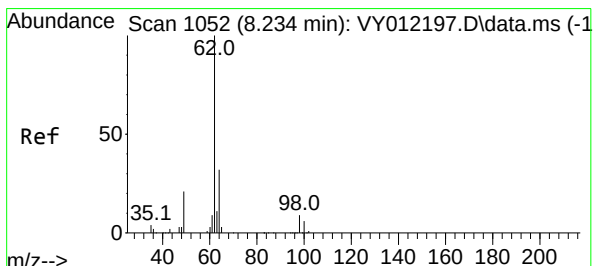
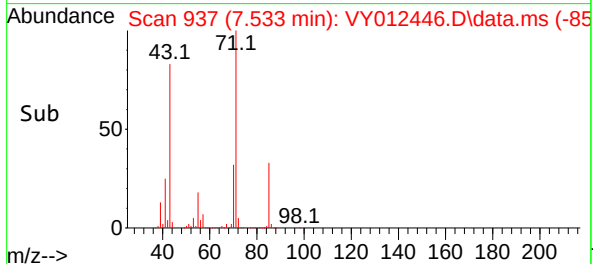
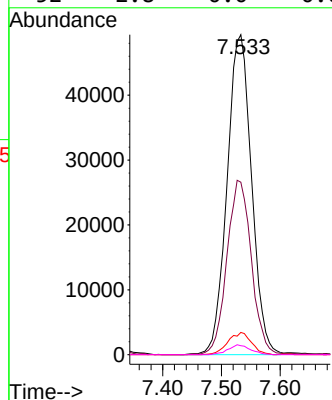
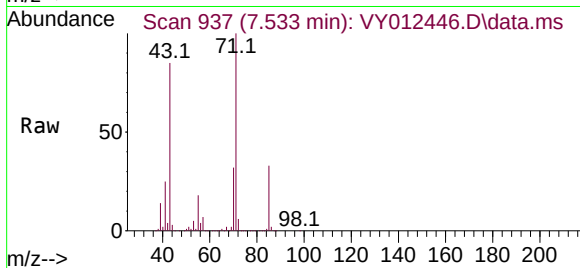




#41
Methacrylonitrile
Concen: 218.757 ug/l
RT: 7.533 min Scan# 91
Delta R.T. 0.207 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

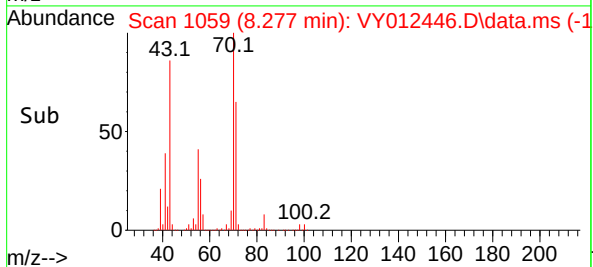
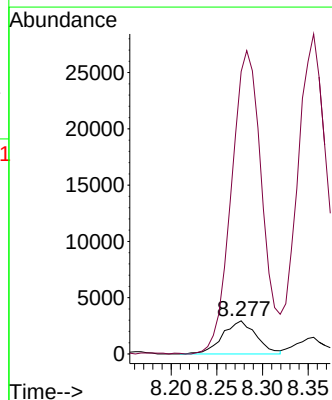
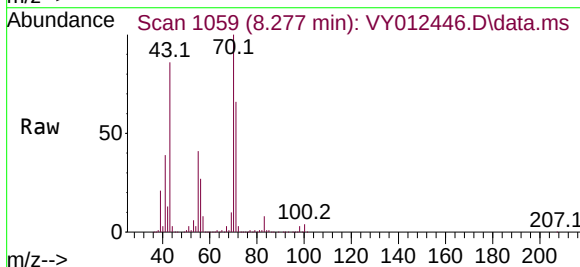
Instrument :
MSVOA_Y
ClientSampleId :
0042

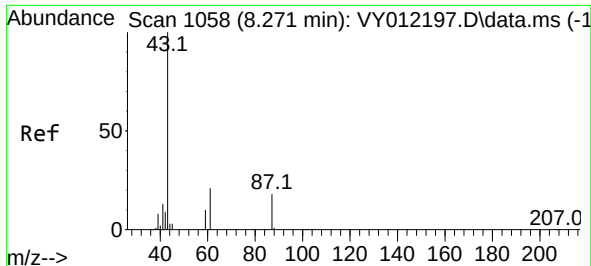
Tgt Ion: 41 Resp: 142955
Ion Ratio Lower Upper
41 100
39 54.3 0.0 0.0#
67 6.7 0.0 0.0#
52 2.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 3.243 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.043 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 62 Resp: 7514
Ion Ratio Lower Upper
62 100
98 836.8 0.0 19.6#

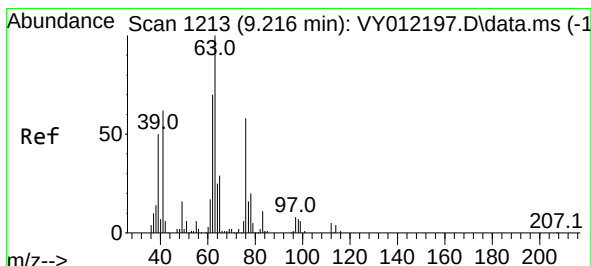
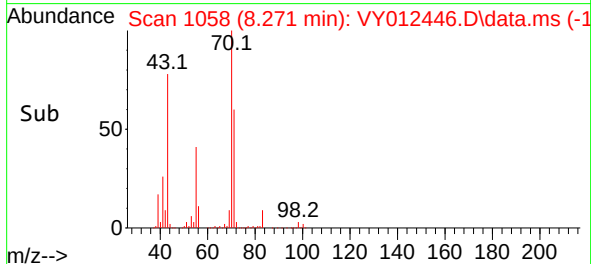
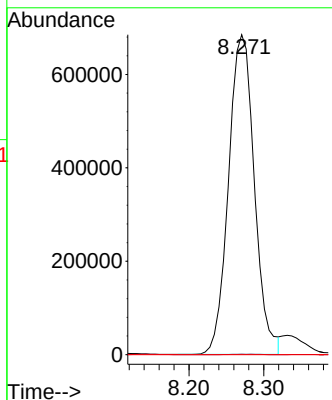
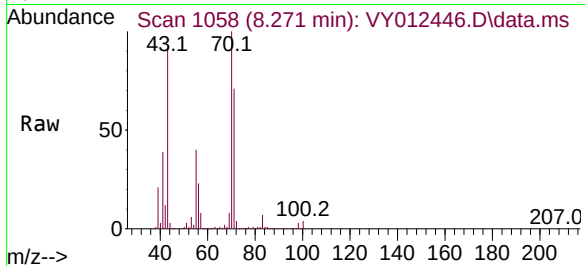




#43
Isopropyl Acetate
Concen: 796.878 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

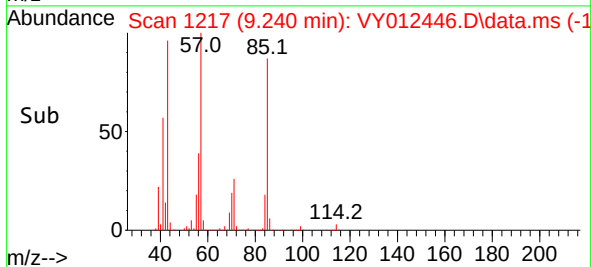
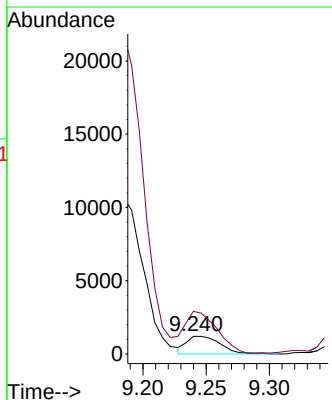
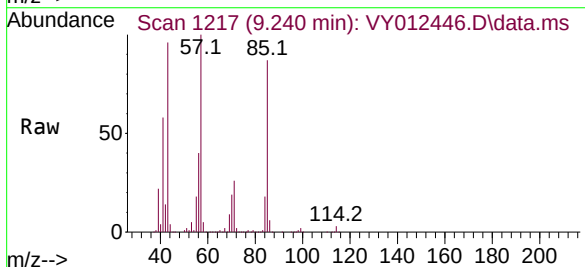
Instrument :
MSVOA_Y
ClientSampleId :
0042

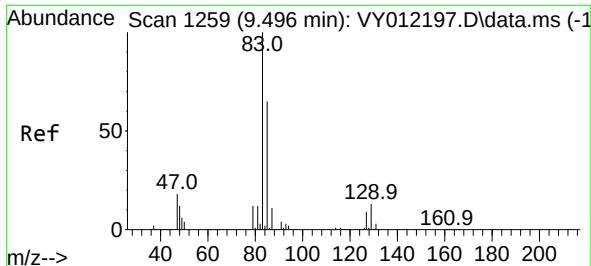
Tgt Ion: 43 Resp: 1648266
Ion Ratio Lower Upper
43 100
61 0.1 24.4 36.6#
87 0.0 11.4 17.2#



#45
1,2-Dichloropropane
Concen: 1.481 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. 0.024 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 63 Resp: 2249
Ion Ratio Lower Upper
63 100
65 231.8 24.9 37.3#

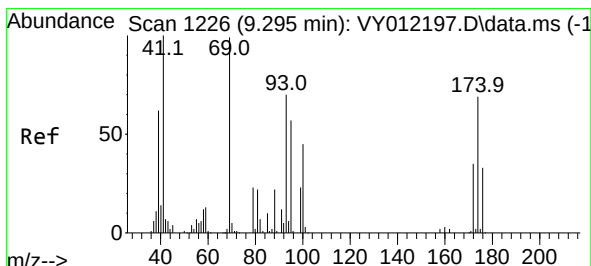
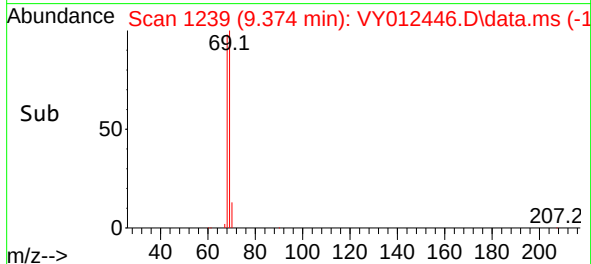
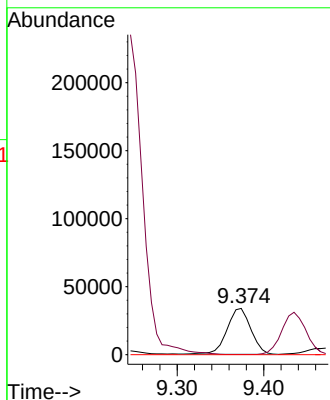
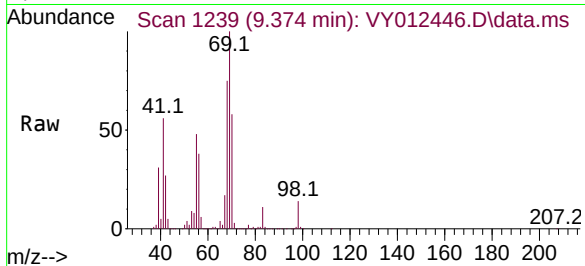




#47
Bromodichloromethane
Concen: 25.401 ug/l
RT: 9.374 min Scan# 1239
Delta R.T. -0.122 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

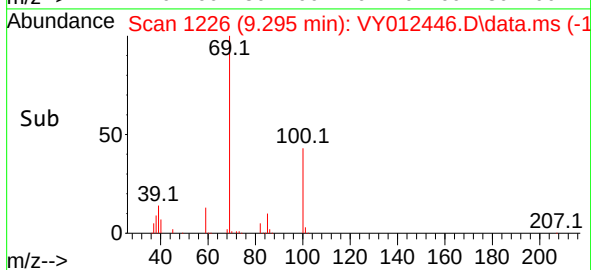
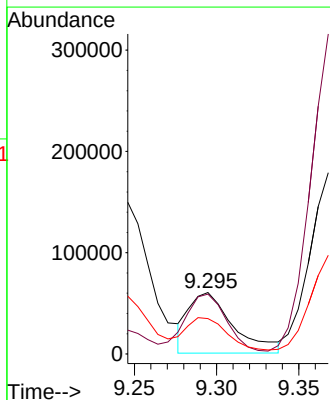
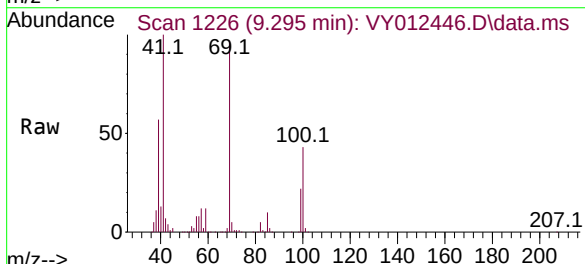
Instrument :
MSVOA_Y
ClientSampleId :
0042

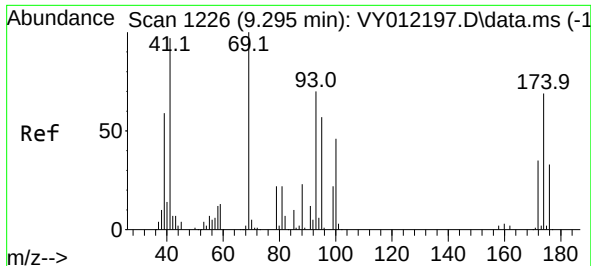
Tgt Ion: 83 Resp: 65014
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#
127 0.0 7.3 10.9#



#48
Methyl methacrylate
Concen: 119.062 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 41 Resp: 113470
Ion Ratio Lower Upper
41 100
69 95.3 74.2 111.2
39 60.7 46.3 69.5





#49

1,4-Dioxane

Concen: 1.444 ug/l

RT: 9.161 min Scan# 1204

Delta R.T. -0.134 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

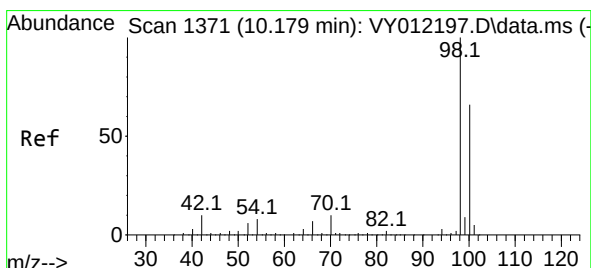
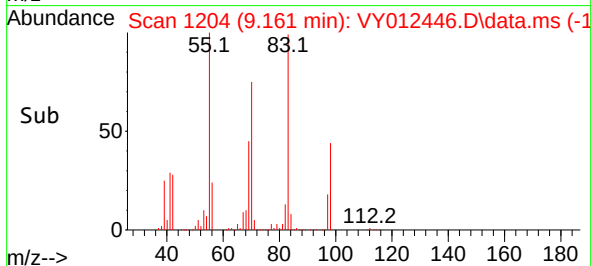
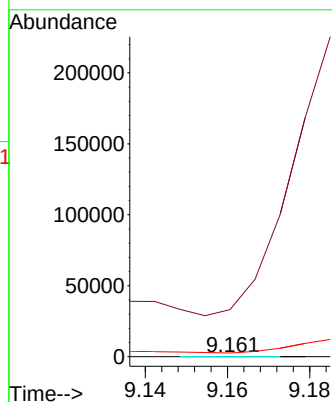
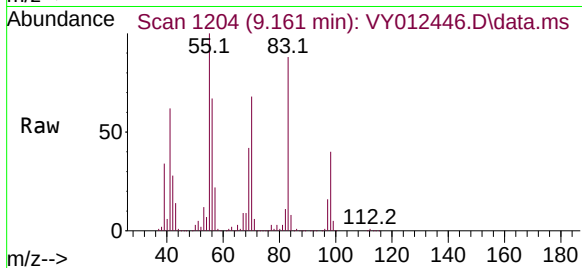
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 73.519 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012446.D

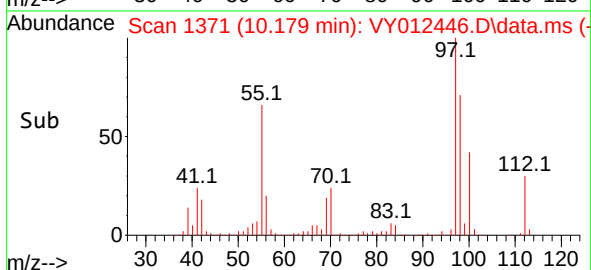
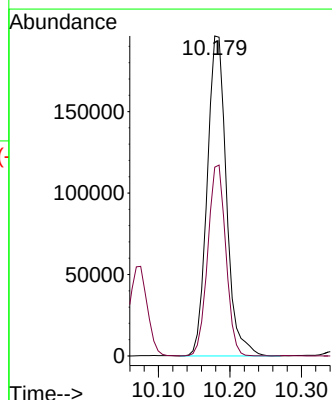
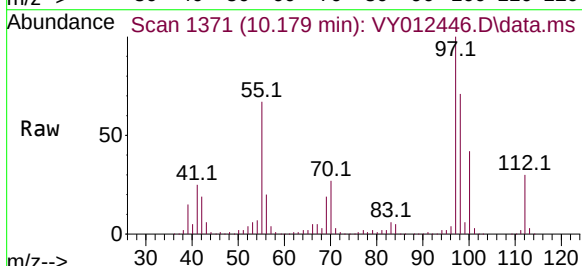
Acq: 01 Feb 2023 16:49

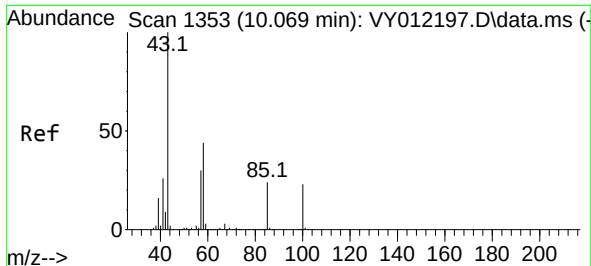
Tgt Ion: 98 Resp: 367518

Ion Ratio Lower Upper

98 100

100 55.9 51.9 77.9

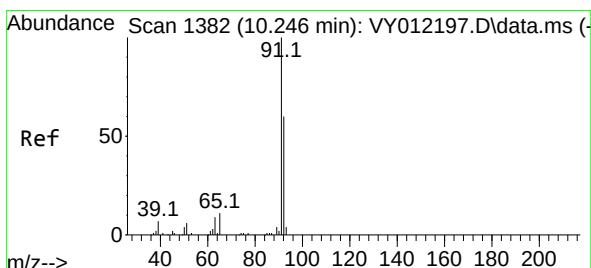
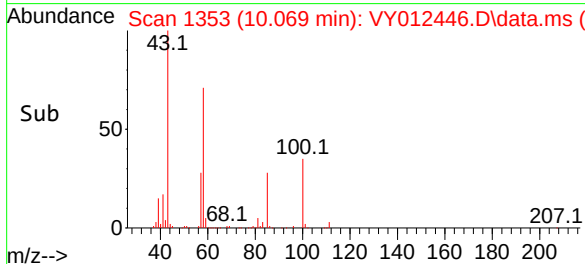
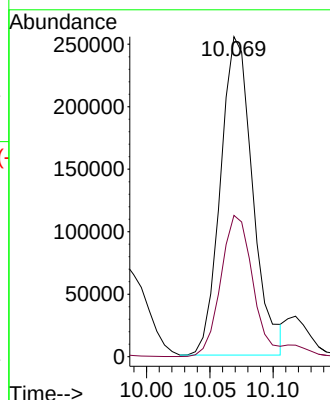
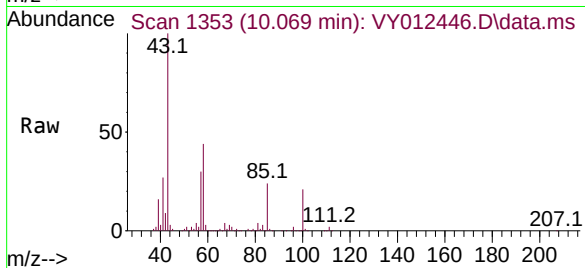




#51
4-Methyl-2-Pentanone
Concen: 409.055 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

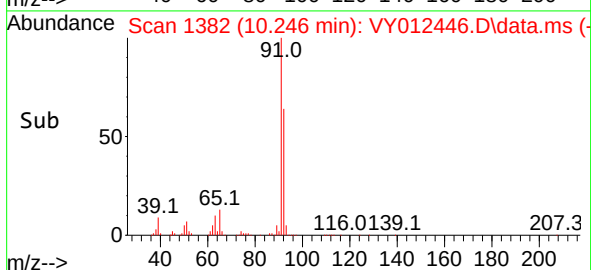
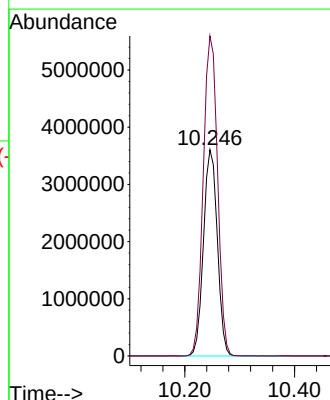
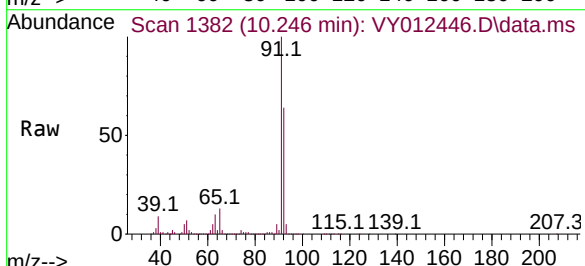
Instrument :
MSVOA_Y
ClientSampleId :
0042

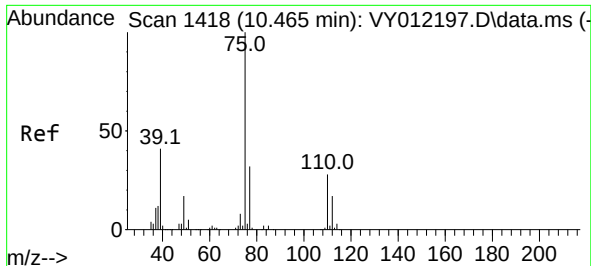
Tgt Ion: 43 Resp: 451161
Ion Ratio Lower Upper
43 100
58 46.8 32.9 49.3



#52
Toluene
Concen: 1300.942 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 92 Resp: 6304913
Ion Ratio Lower Upper
92 100
91 160.3 137.4 206.0

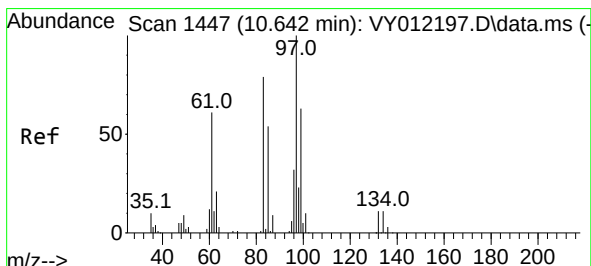
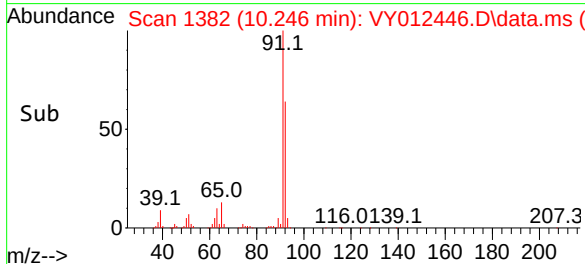
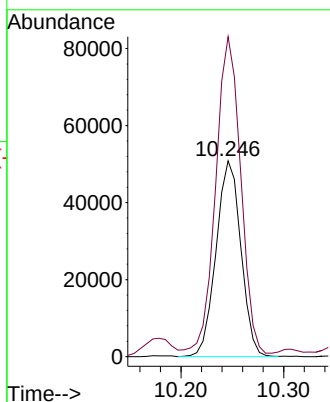
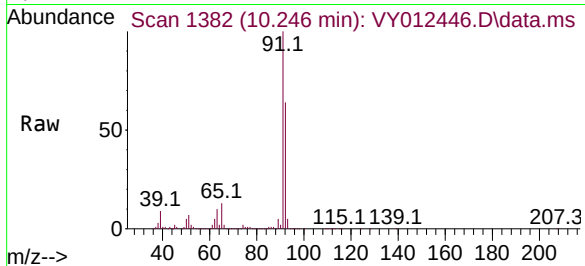




#53
t-1,3-Dichloropropene
Concen: 31.809 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

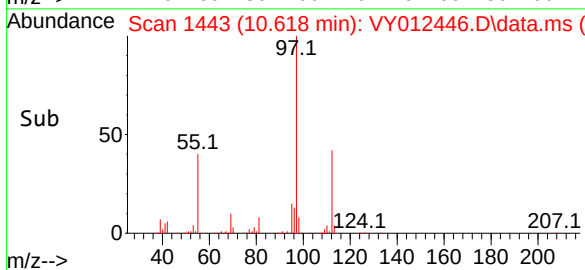
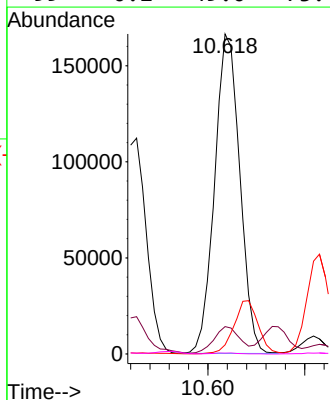
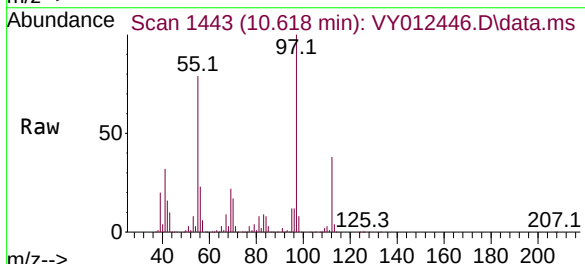
Instrument :
MSVOA_Y
ClientSampleId :
0042

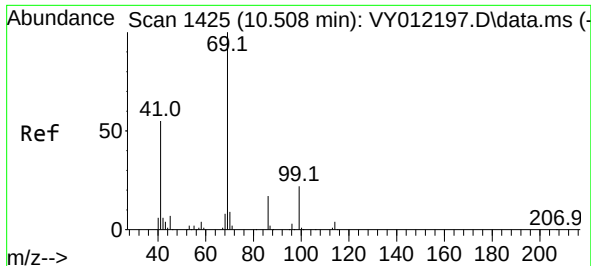
Tgt Ion: 75 Resp: 85160
Ion Ratio Lower Upper
75 100
77 161.0 25.8 38.8#



#55
1,1,2-Trichloroethane
Concen: 207.996 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 97 Resp: 300474
Ion Ratio Lower Upper
97 100
83 7.9 67.7 101.5#
85 2.8 43.8 65.8#
99 0.2 49.0 73.4#

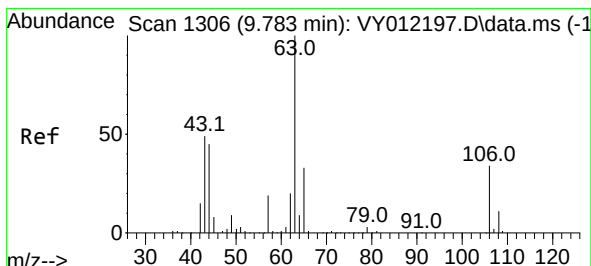
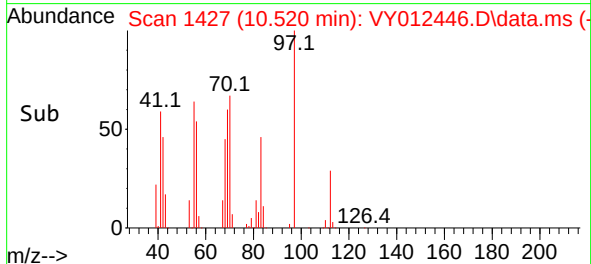
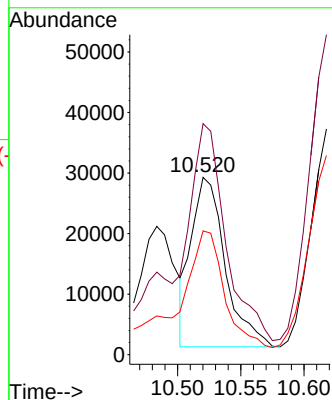
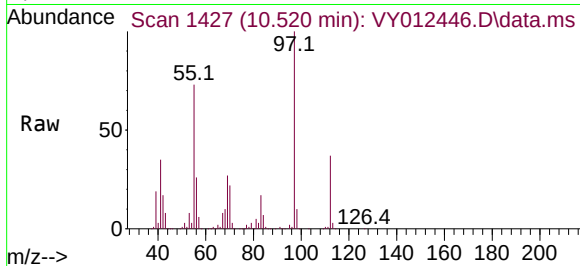




#56
Ethyl methacrylate
Concen: 27.620 ug/l
RT: 10.520 min Scan# 1425
Delta R.T. 0.012 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

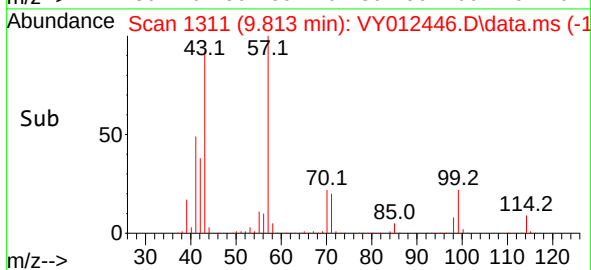
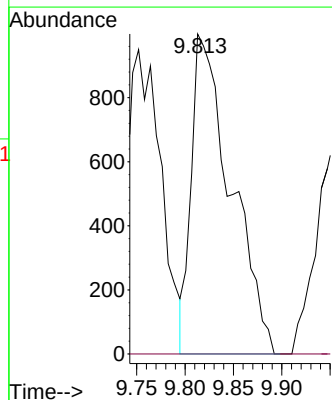
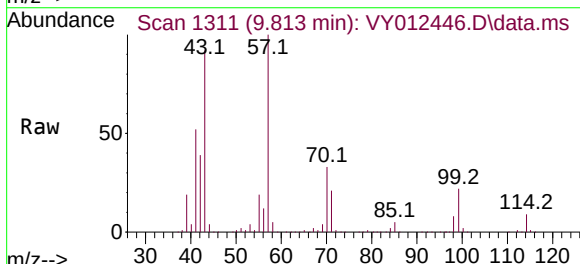
Instrument :
MSVOA_Y
ClientSampleId :
0042

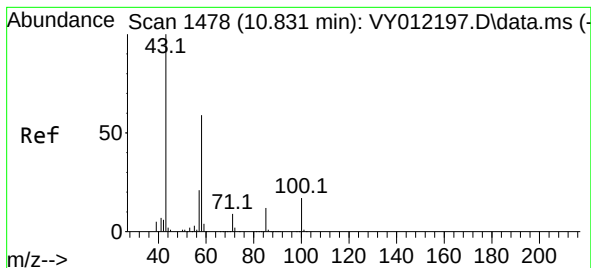
Tgt Ion: 69 Resp: 52345
Ion Ratio Lower Upper
69 100
41 136.4 48.9 73.3#
39 87.1 25.9 38.9#



#58
2-Chloroethyl Vinyl ether
Concen: 4.518 ug/l
RT: 9.813 min Scan# 1311
Delta R.T. 0.030 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 63 Resp: 2833
Ion Ratio Lower Upper
63 100
106 0.0 23.2 34.8#

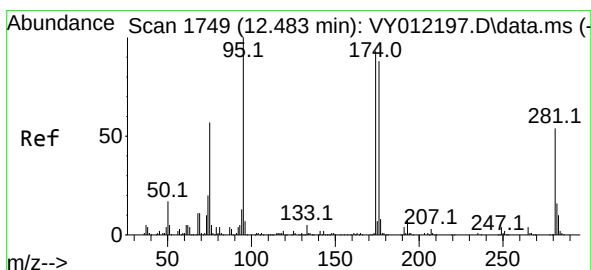
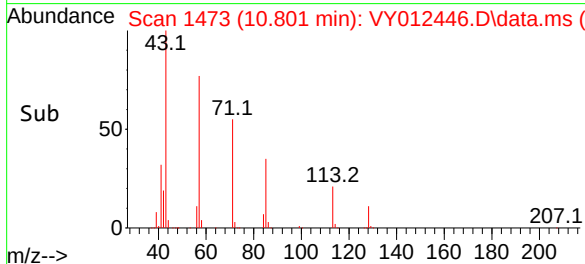
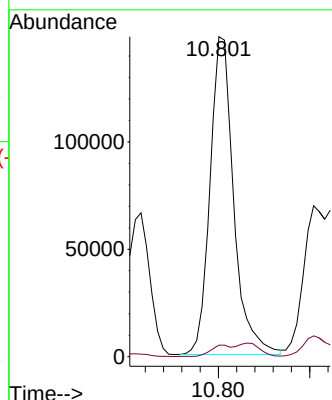
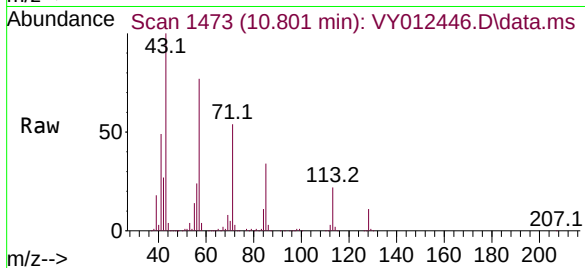




#59
2-Hexanone
Concen: 316.844 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

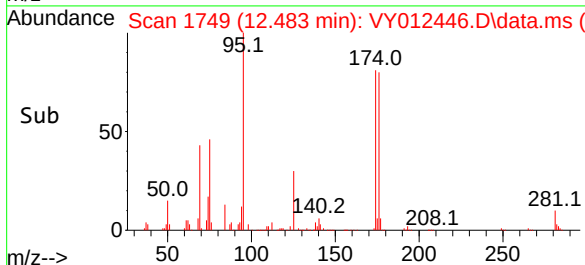
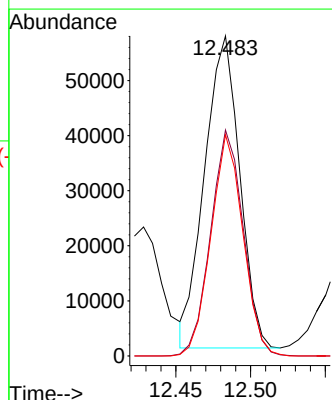
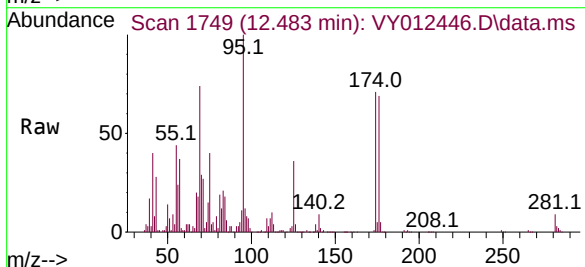
Instrument :
MSVOA_Y
ClientSampleId :
0042

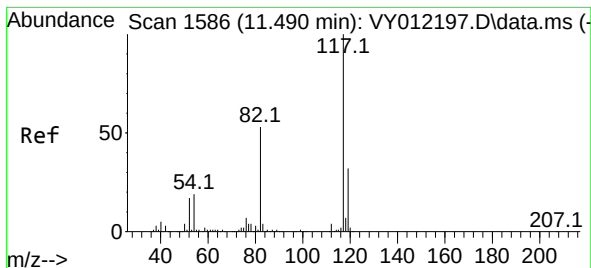
Tgt Ion: 43 Resp: 266060
Ion Ratio Lower Upper
43 100
58 3.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 44.099 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 95 Resp: 92247
Ion Ratio Lower Upper
95 100
174 67.5 0.0 172.0
176 64.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

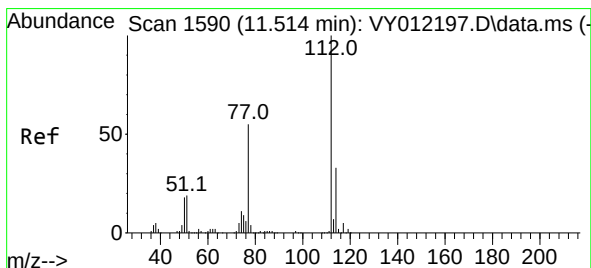
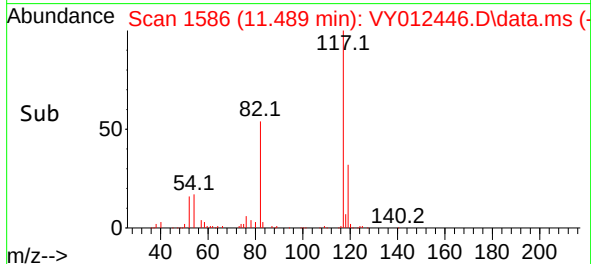
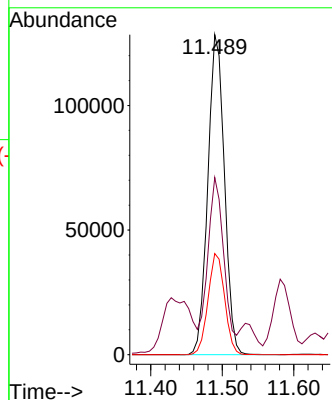
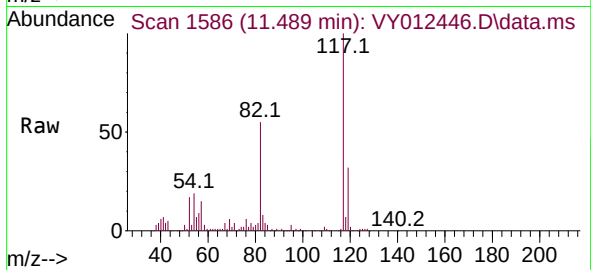
Tgt Ion:117 Resp: 207018

Ion Ratio Lower Upper

117 100

82 39.2 44.8 67.2#

119 31.6 25.4 38.2



#65

Chlorobenzene

Concen: 1.026 ug/l

RT: 11.416 min Scan# 1574

Delta R.T. -0.098 min

Lab File: VY012446.D

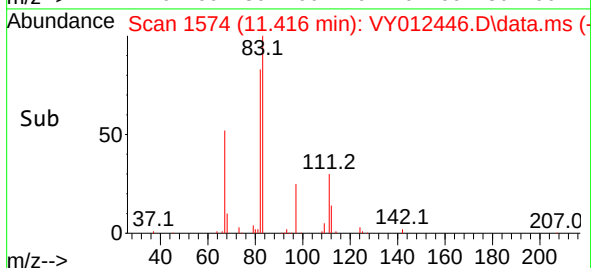
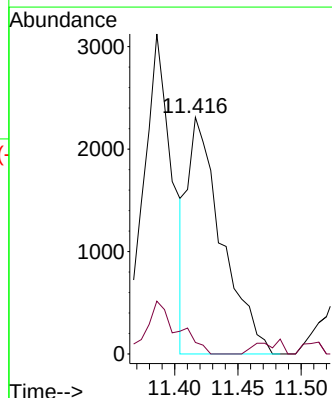
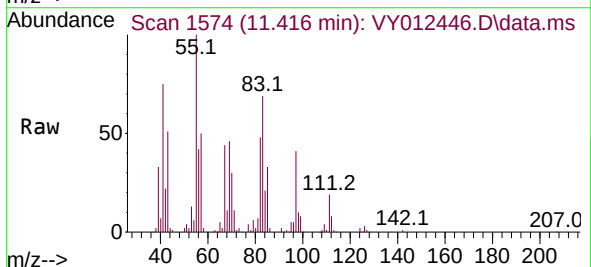
Acq: 01 Feb 2023 16:49

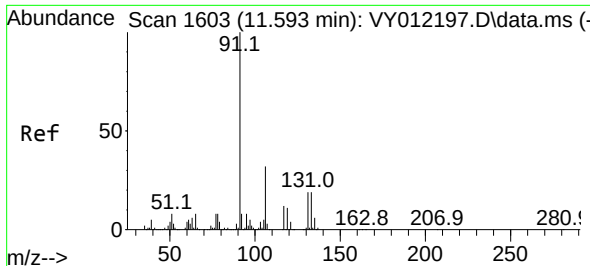
Tgt Ion:112 Resp: 4345

Ion Ratio Lower Upper

112 100

114 0.0 25.3 37.9#





#67

Ethyl Benzene

Concen: 460.631 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

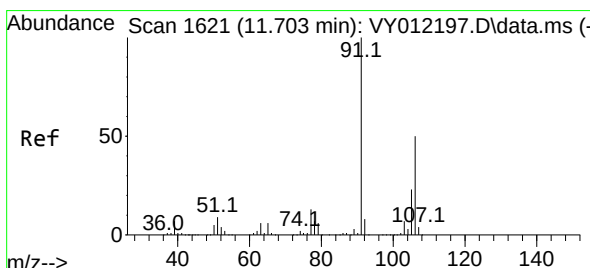
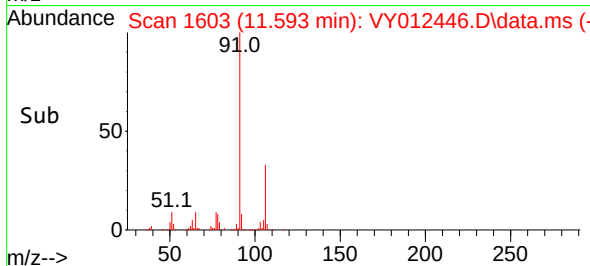
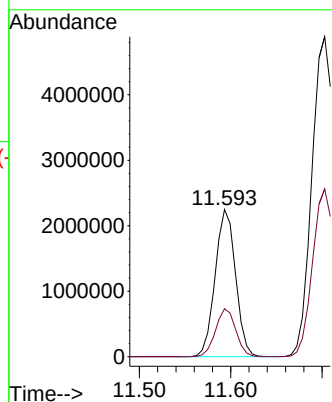
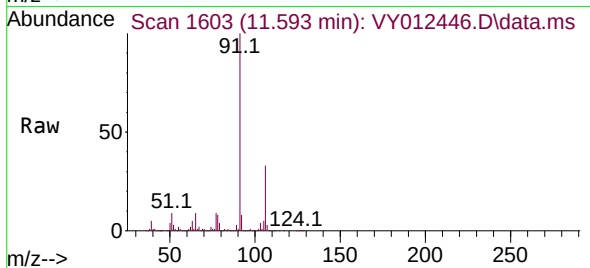
0042

Tgt Ion: 91 Resp: 3486980

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4



#68

m/p-Xylenes

Concen: 1514.007 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY012446.D

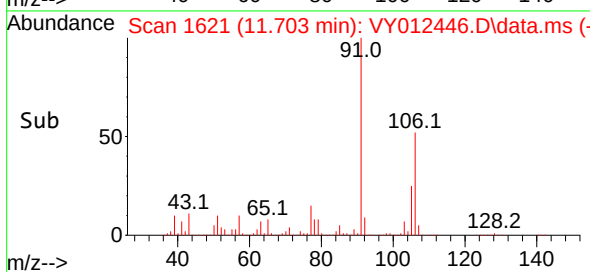
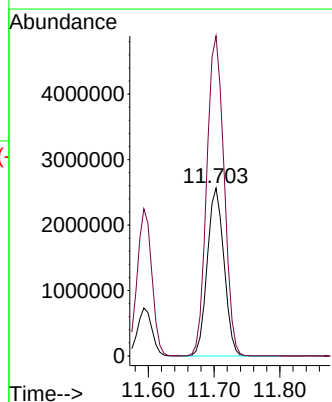
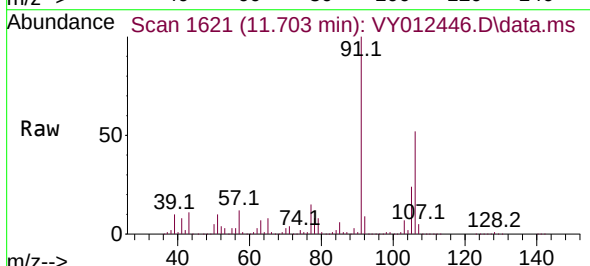
Acq: 01 Feb 2023 16:49

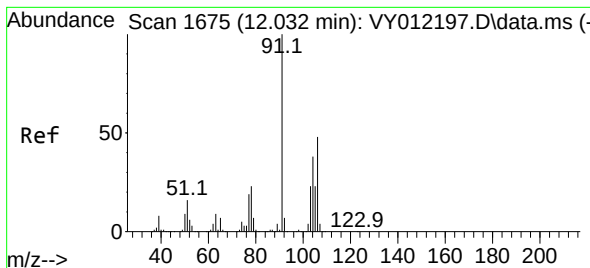
Tgt Ion:106 Resp: 4531527

Ion Ratio Lower Upper

106 100

91 196.8 162.5 243.7





#69

o-Xylene

Concen: 571.377 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

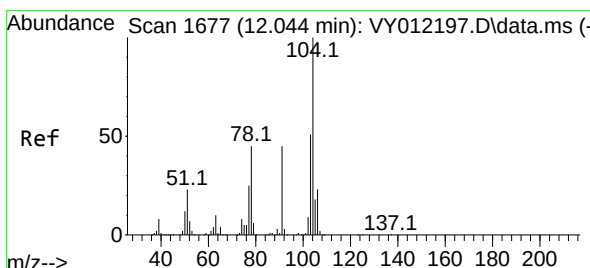
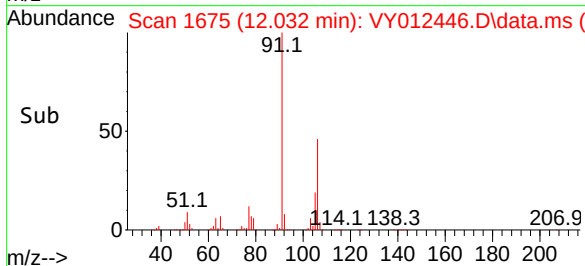
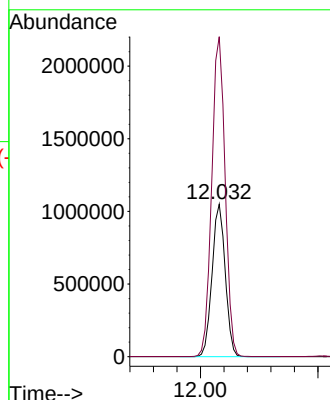
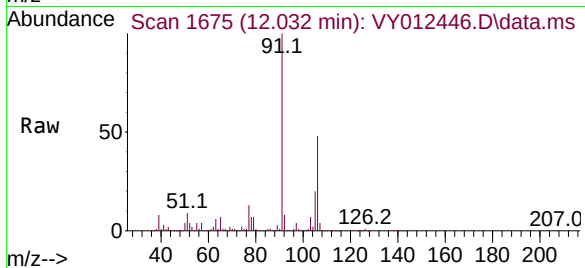
0042

Tgt Ion:106 Resp: 1633471

Ion Ratio Lower Upper

106 100

91 213.4 107.5 322.4



#70

Styrene

Concen: 17.812 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. -0.012 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

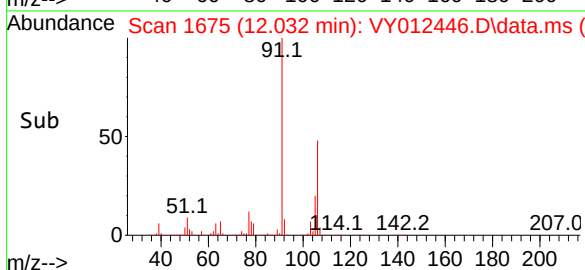
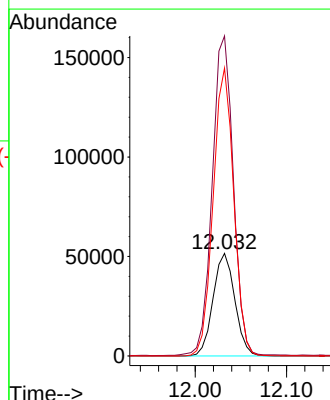
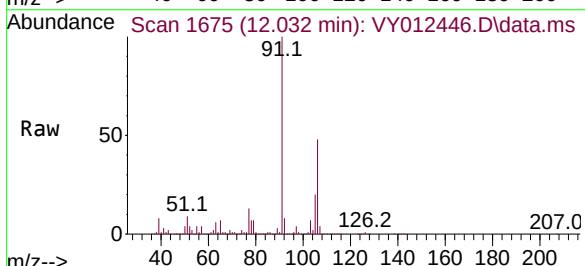
Tgt Ion:104 Resp: 85081

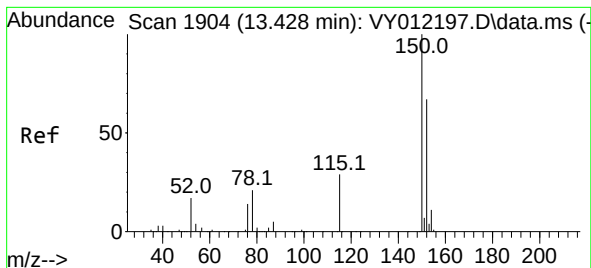
Ion Ratio Lower Upper

104 100

78 302.2 39.4 59.0#

103 265.8 43.0 64.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

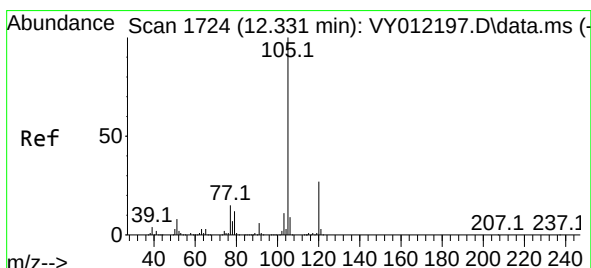
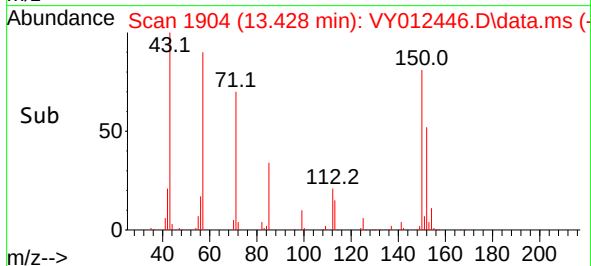
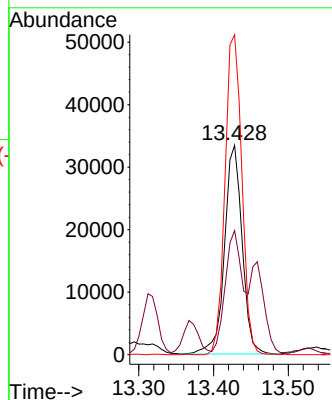
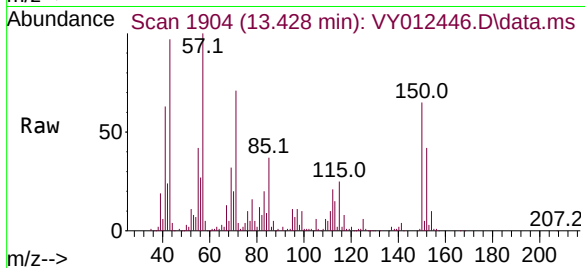
Tgt Ion:152 Resp: 54779

Ion Ratio Lower Upper

152 100

115 59.6 29.1 87.3

150 146.3 0.0 342.6



#73

Isopropylbenzene

Concen: 137.851 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY012446.D

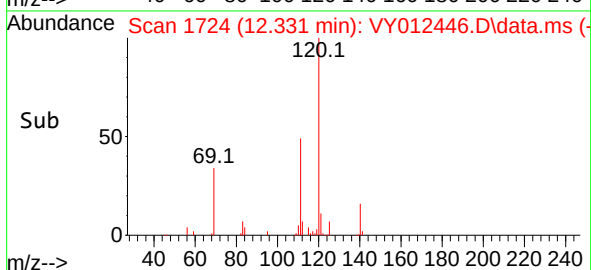
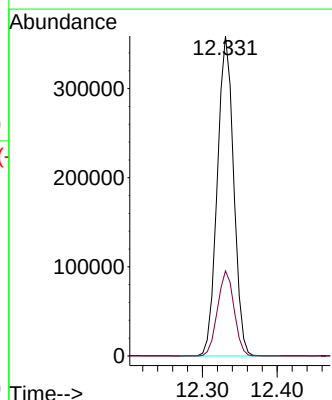
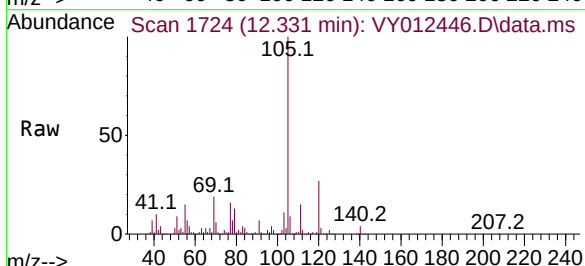
Acq: 01 Feb 2023 16:49

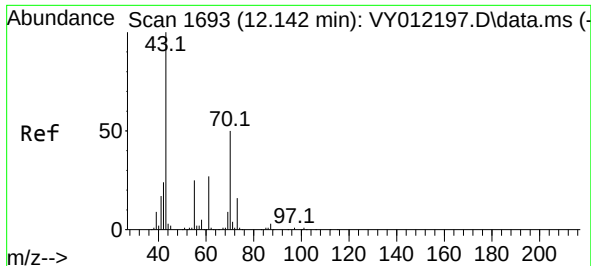
Tgt Ion:105 Resp: 544521

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6

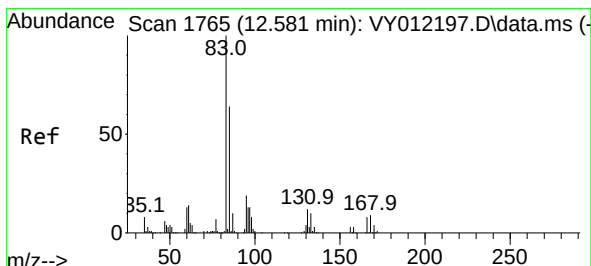
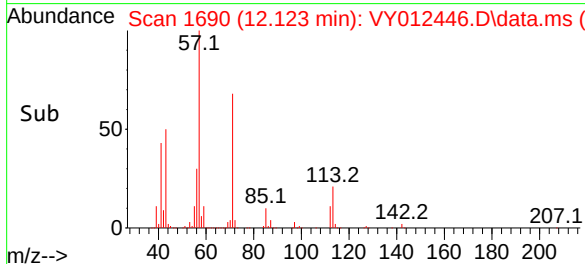
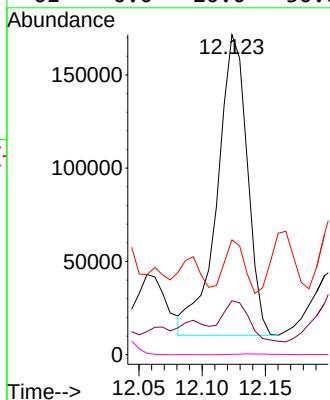
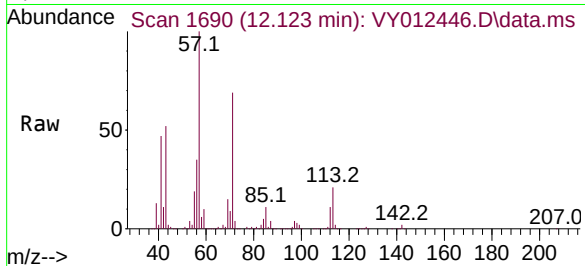




#74
N-amy1 acetate
Concen: 344.728 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.019 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

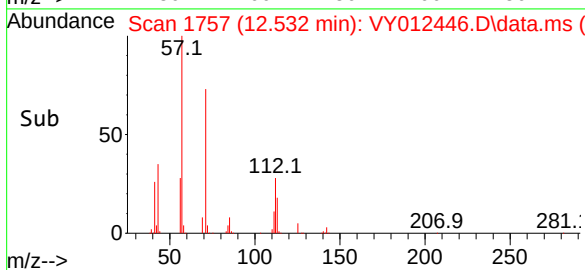
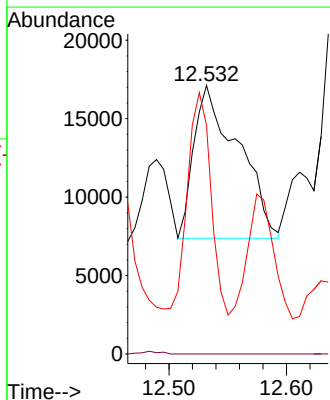
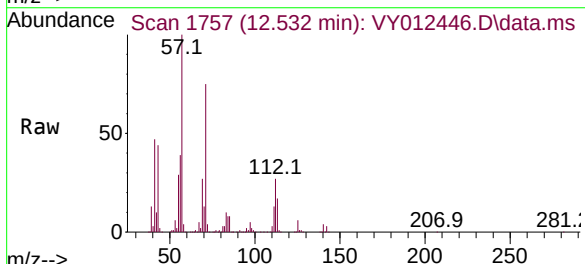
Instrument :
MSVOA_Y
ClientSampleId :
0042

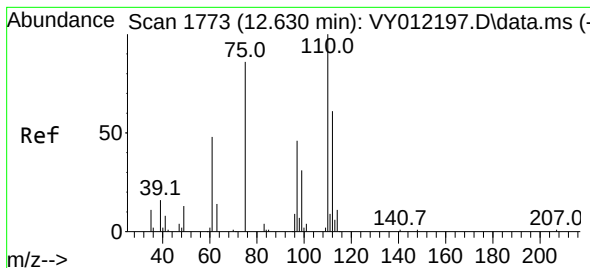
Tgt Ion: 43 Resp: 266929
Ion Ratio Lower Upper
43 100
70 12.5 35.8 53.8#
55 18.3 21.0 31.4#
61 0.0 20.0 30.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 41.141 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. -0.049 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 83 Resp: 25597
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 82.2 32.3 96.8





#76

1,2,3-Trichloropropane

Concen: 12.745 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.042 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

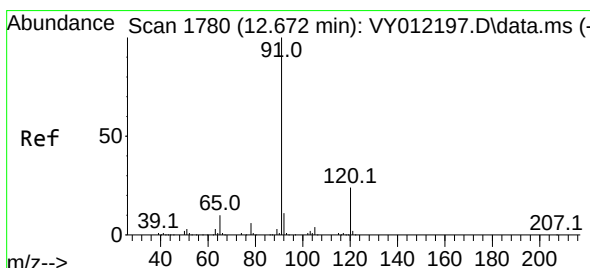
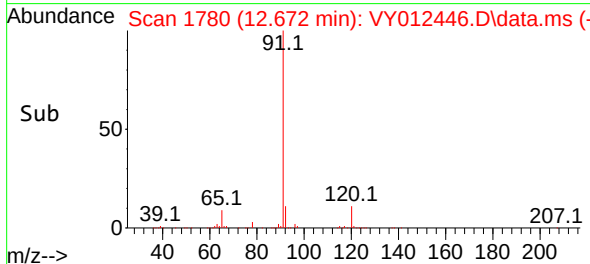
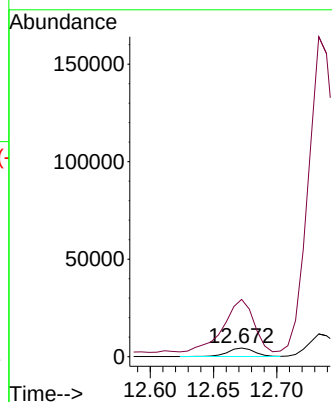
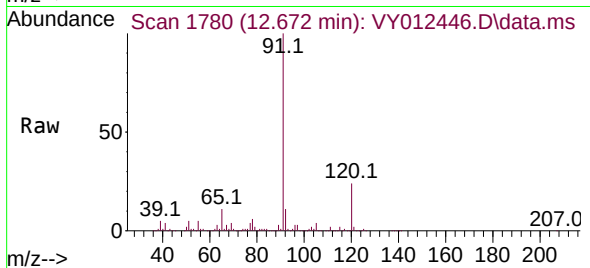
0042

Tgt Ion: 75 Resp: 6420

Ion Ratio Lower Upper

75 100

77 726.3 0.0 0.0#



#78

n-propylbenzene

Concen: 218.946 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012446.D

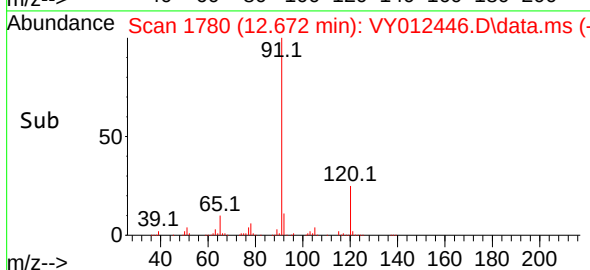
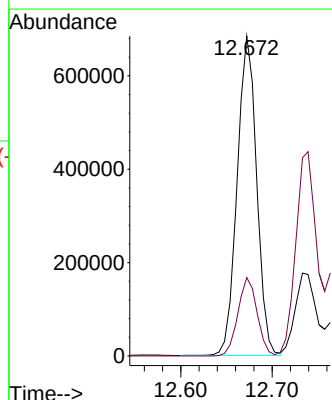
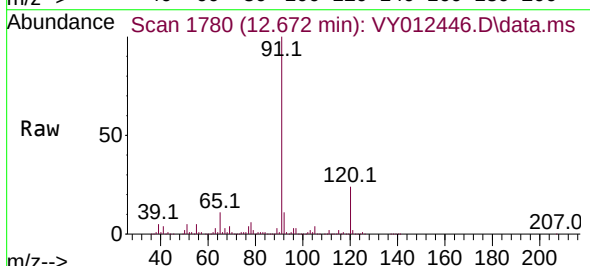
Acq: 01 Feb 2023 16:49

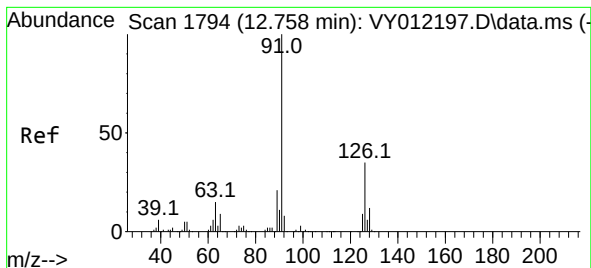
Tgt Ion: 91 Resp: 1012030

Ion Ratio Lower Upper

91 100

120 24.1 11.8 35.4





#79

2-Chlorotoluene

Concen: 104.220 ug/l

RT: 12.733 min Scan# 1

Delta R.T. -0.025 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

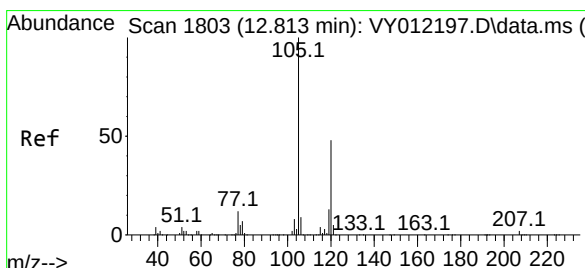
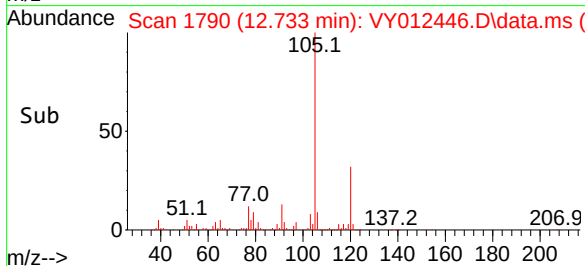
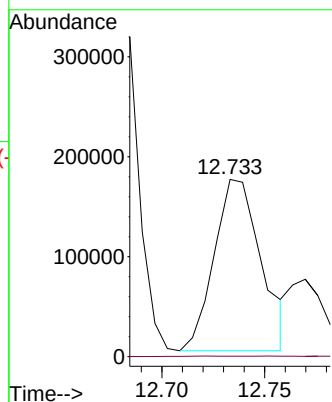
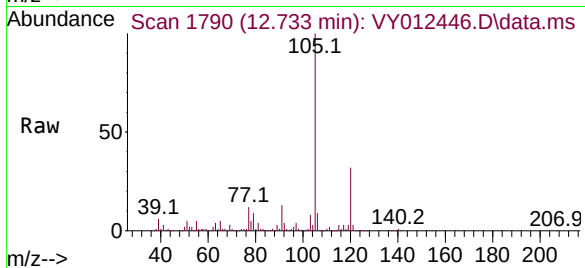
0042

Tgt Ion: 91 Resp: 272373

Ion Ratio Lower Upper

91 100

126 0.3 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 190.660 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY012446.D

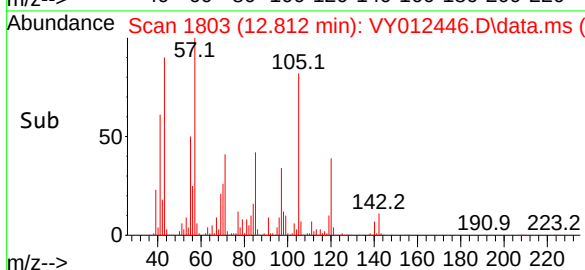
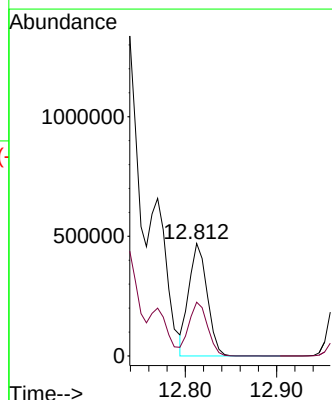
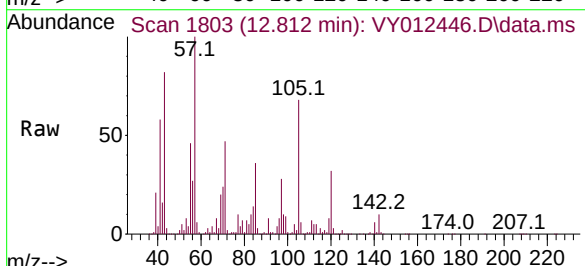
Acq: 01 Feb 2023 16:49

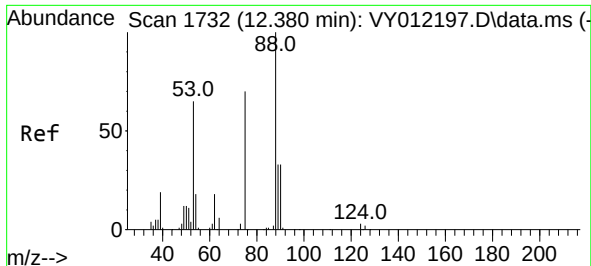
Tgt Ion:105 Resp: 654697

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6

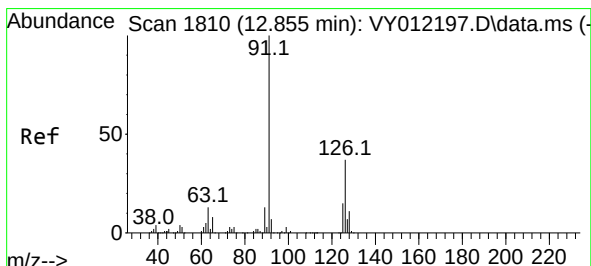
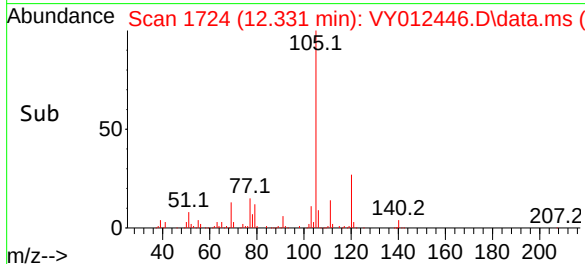
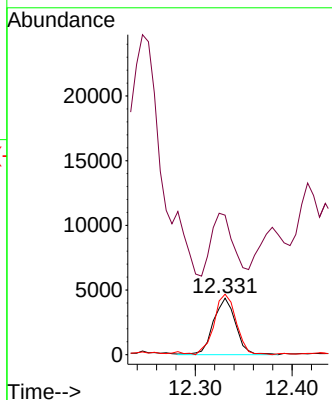
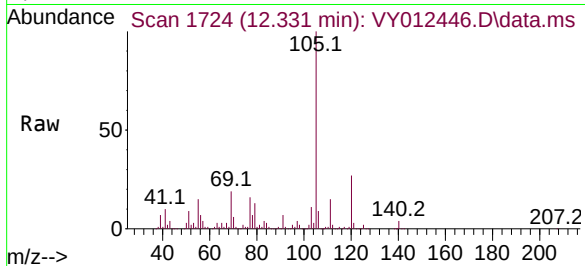




#81
 trans-1,4-Dichloro-2-butene
 Concen: 28.556 ug/l
 RT: 12.331 min Scan# 11
 Delta R.T. -0.043 min
 Lab File: VY012446.D
 Acq: 01 Feb 2023 16:49

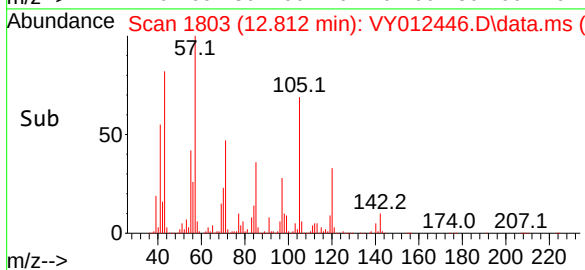
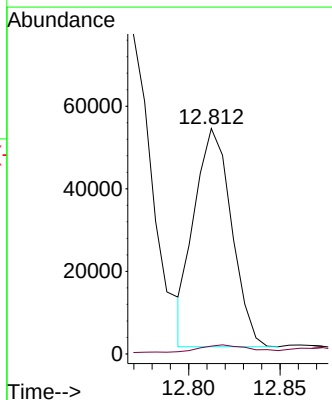
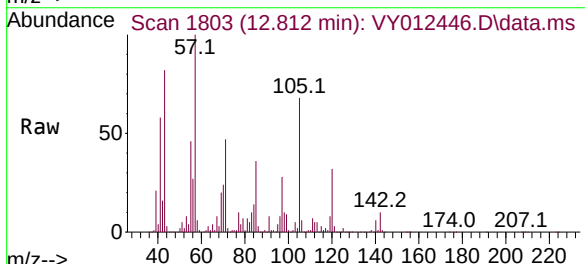
Instrument :
 MSVOA_Y
 ClientSampleId :
 0042

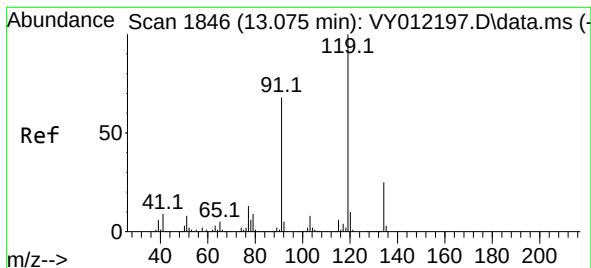
Tgt Ion: 75 Resp: 6981
 Ion Ratio Lower Upper
 75 100
 53 152.6 72.5 108.7#
 89 105.9 37.0 55.4#



#82
 4-Chlorotoluene
 Concen: 27.246 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. -0.043 min
 Lab File: VY012446.D
 Acq: 01 Feb 2023 16:49

Tgt Ion: 91 Resp: 74796
 Ion Ratio Lower Upper
 91 100
 126 5.1 17.1 51.2#





#83

tert-Butylbenzene

Concen: 85.666 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.048 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

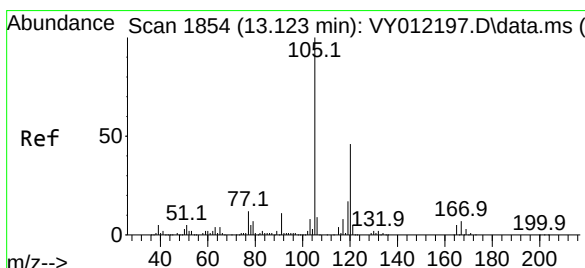
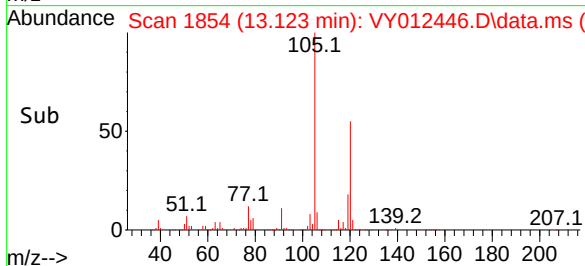
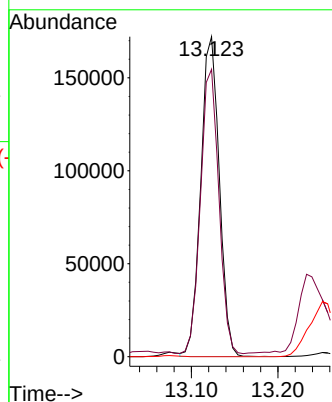
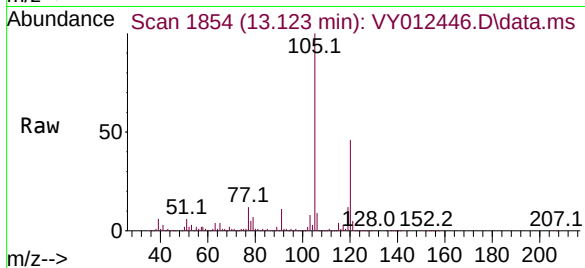
Tgt Ion:119 Resp: 256384

Ion Ratio Lower Upper

119 100

91 87.8 32.3 96.8

134 0.0 13.0 39.0#



#84

1,2,4-Trimethylbenzene

Concen: 618.531 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY012446.D

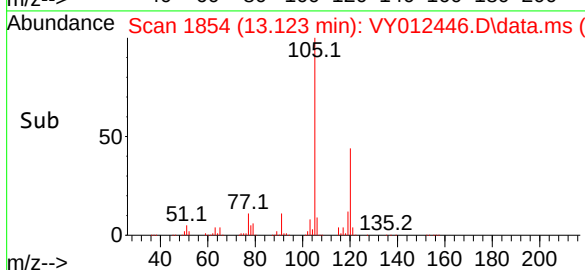
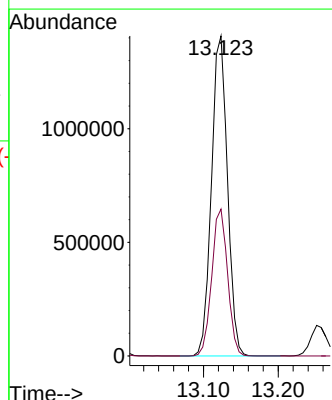
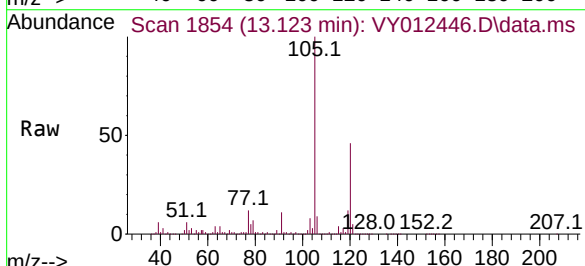
Acq: 01 Feb 2023 16:49

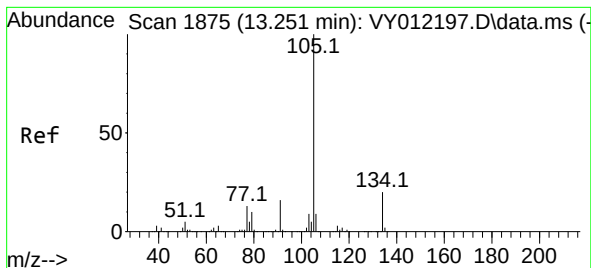
Tgt Ion:105 Resp: 2094598

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 46.916 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

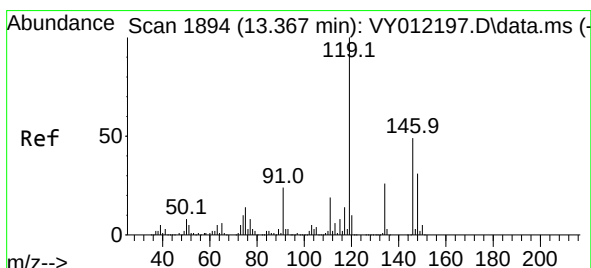
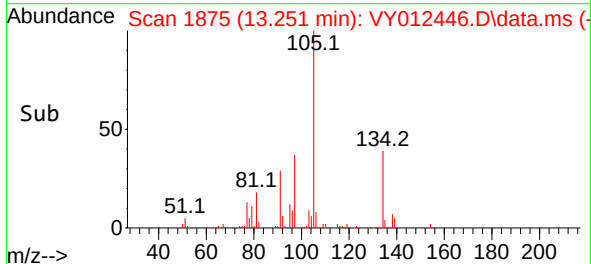
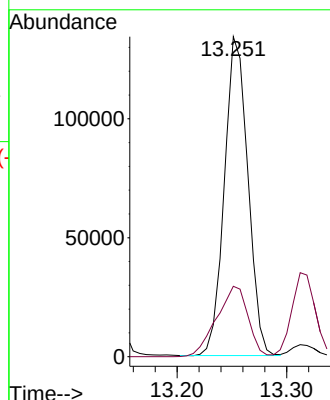
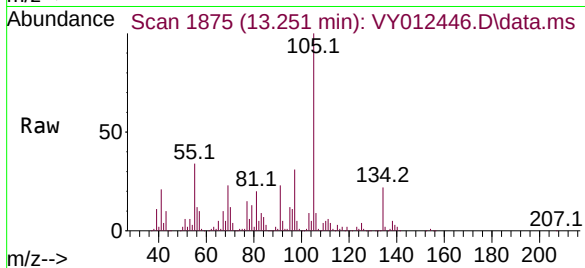
0042

Tgt Ion:105 Resp: 199914

Ion Ratio Lower Upper

105 100

134 29.6 10.1 30.3



#86

p-Isopropyltoluene

Concen: 27.432 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

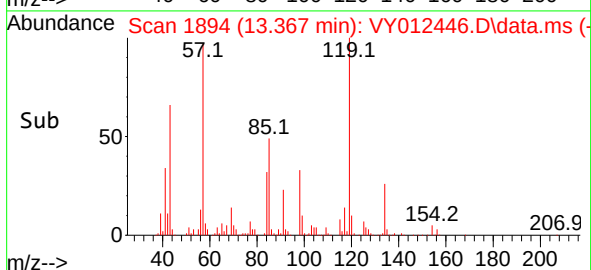
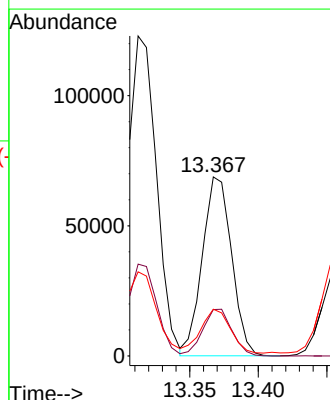
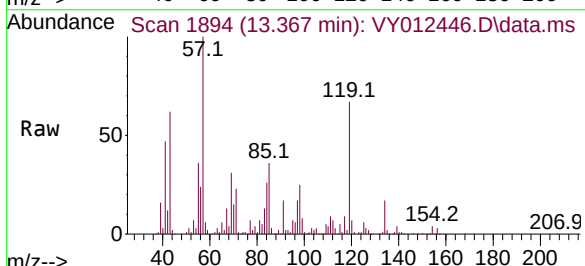
Tgt Ion:119 Resp: 102127

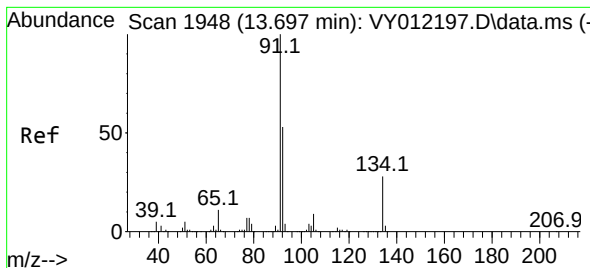
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.5 11.9 35.9





#89

n-Butylbenzene

Concen: 78.717 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

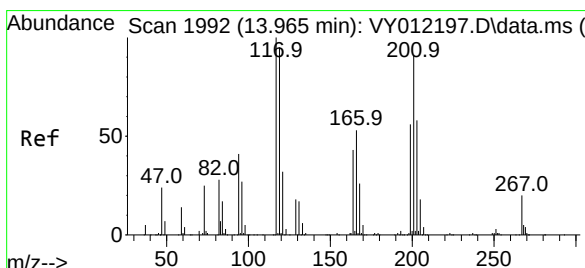
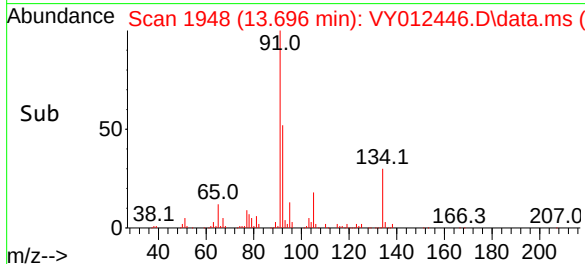
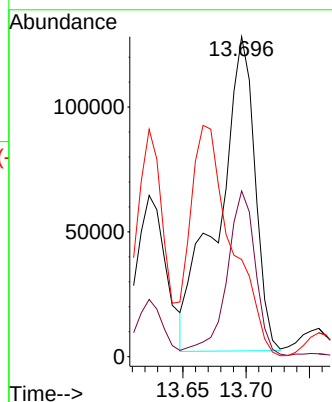
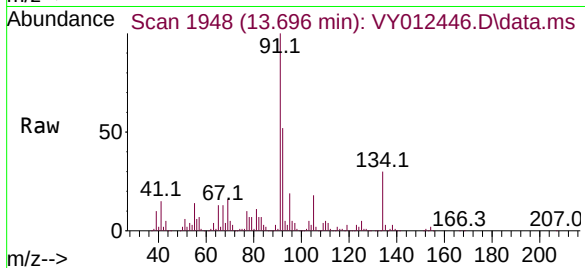
Tgt Ion: 91 Resp: 253964

Ion Ratio Lower Upper

91 100

92 41.0 26.8 80.4

134 0.0 13.3 39.8#



#90

Hexachloroethane

Concen: 41.236 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY012446.D

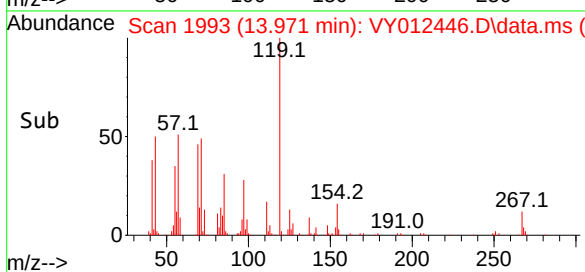
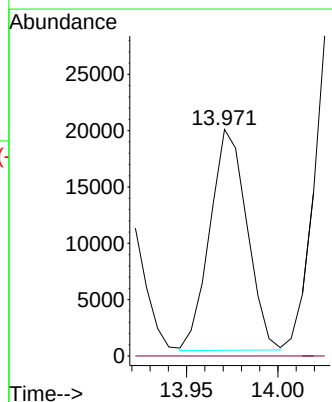
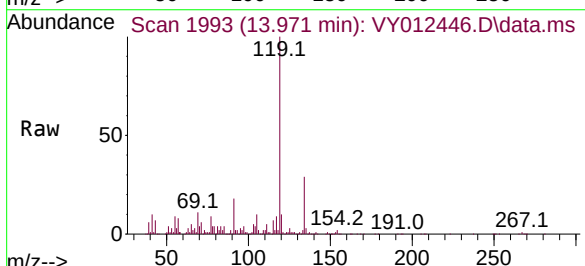
Acq: 01 Feb 2023 16:49

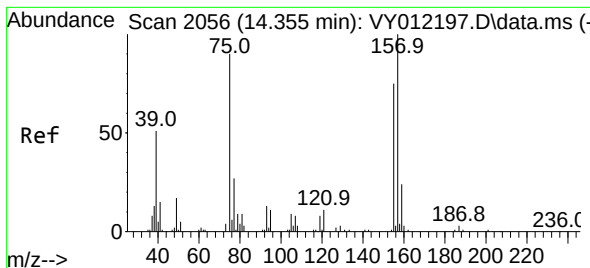
Tgt Ion: 117 Resp: 27714

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#

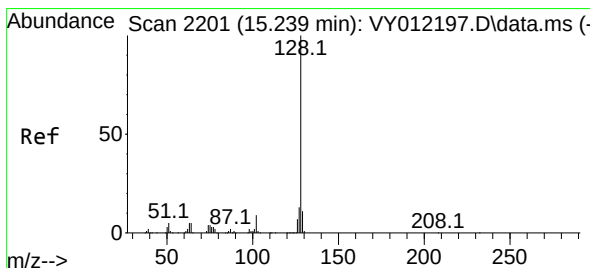
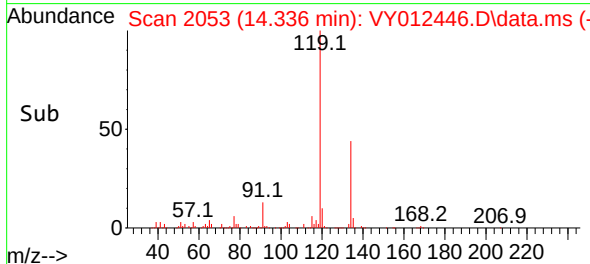
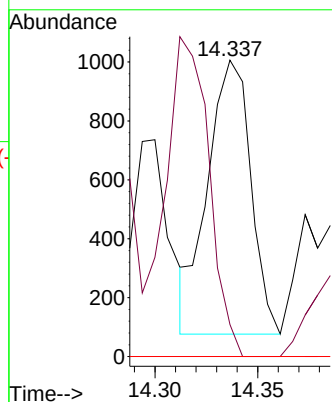
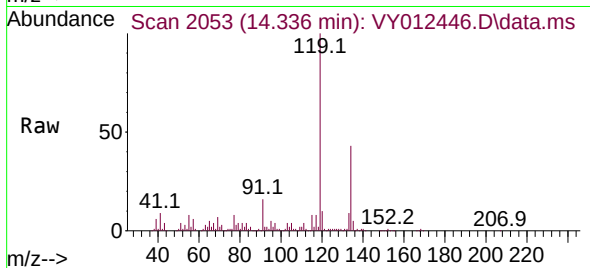




#92
1,2-Dibromo-3-Chloropropane
Concen: 10.530 ug/l
RT: 14.336 min Scan# 2056
Delta R.T. -0.019 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

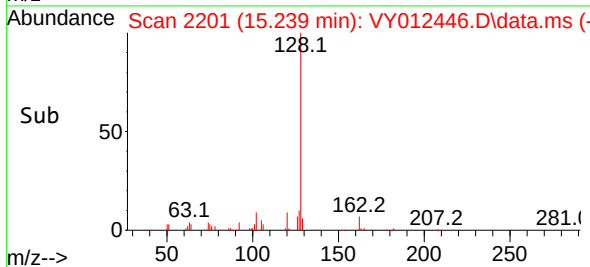
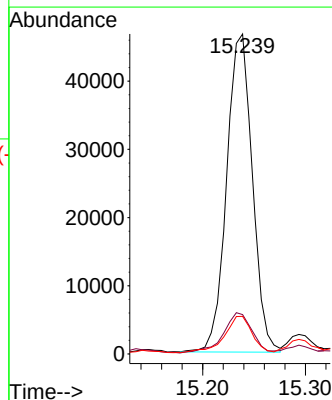
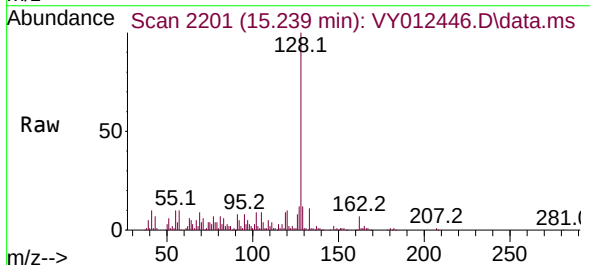
Instrument :
MSVOA_Y
ClientSampleId :
0042

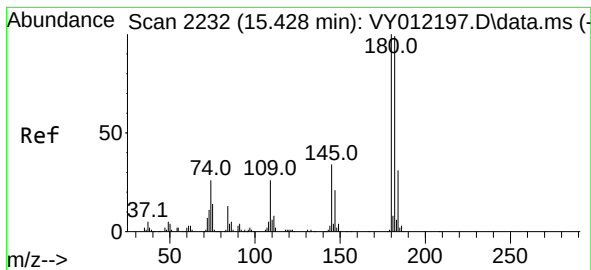
Tgt Ion: 75 Resp: 1354
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.4 163.3#



#95
Naphthalene
Concen: 38.037 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

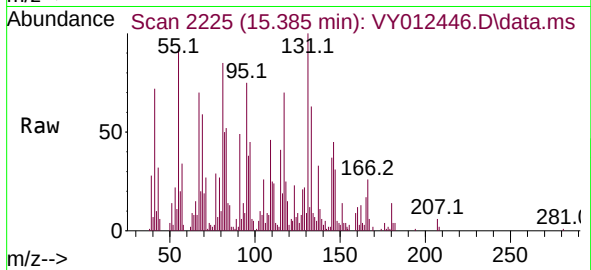
Tgt Ion: 128 Resp: 81143
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 12.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.066 ug/l
 RT: 15.385 min Scan# 21
 Delta R.T. -0.037 min
 Lab File: VY012446.D
 Acq: 01 Feb 2023 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 0042



Tgt Ion:180 Resp: 991
 Ion Ratio Lower Upper
 180 100
 182 29.0 47.9 143.7#
 145 495.0 16.1 48.2#

