

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011651.D
 Acq On : 30 Nov 2022 19:10
 Operator : KP/MD
 Sample : N5819-02RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Dec 01 05:26:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

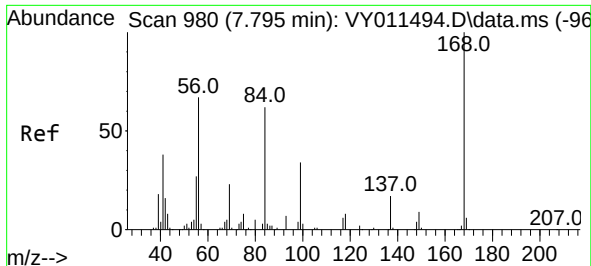
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	187824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127934	67.081	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.160%	
35) Dibromofluoromethane	7.716	113	112452	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.179	98	453039	58.138	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.280%	
62) 4-Bromofluorobenzene	12.477	95	161654	56.109	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	193	Below Cal	#	44
5) Bromomethane	2.656	94	19	Below Cal	#	37
11) Tert butyl alcohol	4.936	59	1278	Below Cal	#	77
16) Acetone	3.948	43	1350	2.179	ug/l	99
18) Methyl Acetate	4.466	43	96	Below Cal	#	56
20) Methylene Chloride	4.716	84	20508	Below Cal		91
31) Cyclohexane	7.783	56	4721	1.493	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	15145	4.518	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19258	5.135	ug/l #	14
39) Methylcyclohexane	9.179	83	12775	3.415	ug/l	96
51) 4-Methyl-2-Pentanone	10.173	43	5671	2.963	ug/l #	44
55) 1,1,2-Trichloroethane	10.618	97	10971	5.495	ug/l #	19
56) Ethyl methacrylate	10.520	69	4757	1.916	ug/l #	1
59) 2-Hexanone	10.801	43	28527	20.881	ug/l #	33
67) Ethyl Benzene	11.593	91	34224	2.478	ug/l	95
68) m/p-Xylenes	11.697	106	31071	5.910	ug/l	97
69) o-Xylene	12.026	106	13595	2.778	ug/l	100
74) N-amyl acetate	12.124	43	7887	2.570	ug/l #	69
76) 1,2,3-Trichloropropane	12.477	75	87389	47.217	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	30748	2.935	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	87389	103.421	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	49755	4.808	ug/l	99
85) sec-Butylbenzene	13.117	105	49755	3.654	ug/l #	56
95) Naphthalene	15.233	128	235326	39.557	ug/l	99

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

Quant Time: Dec 01 05:26:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

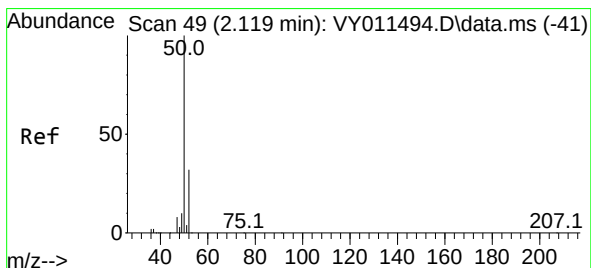
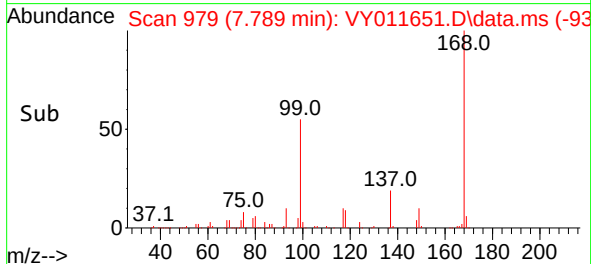
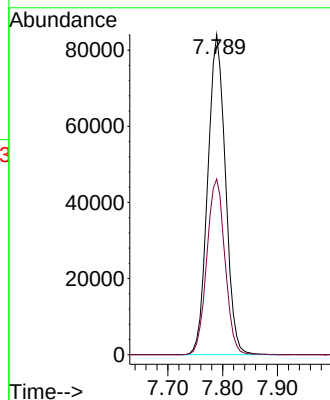
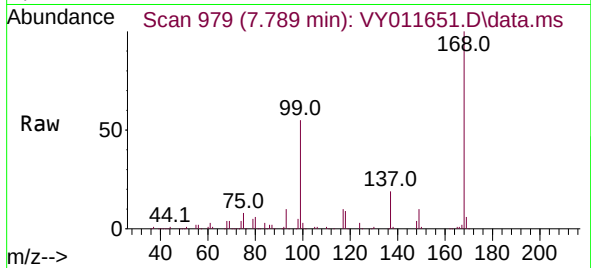




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

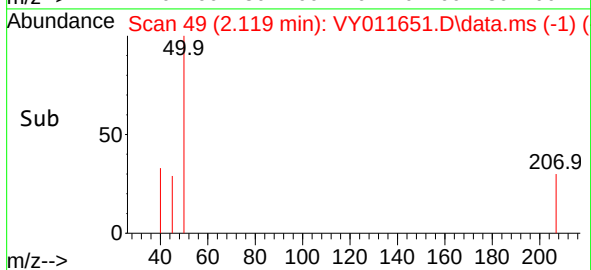
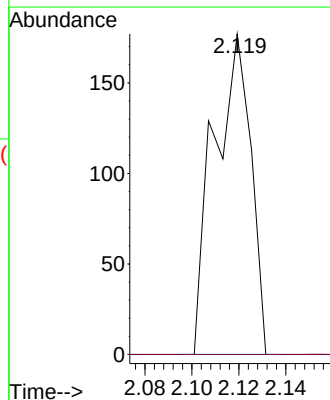
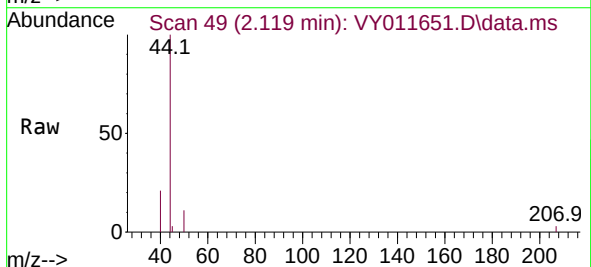
Instrument :
MSVOA_Y
ClientSampleId :
S2

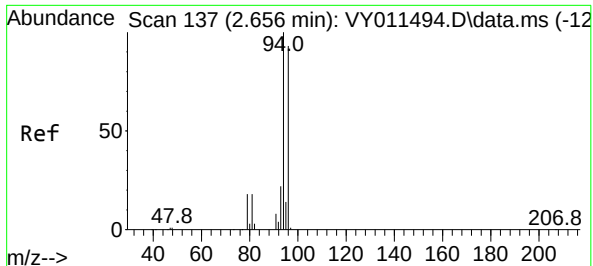
Tgt Ion:168 Resp: 187824
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

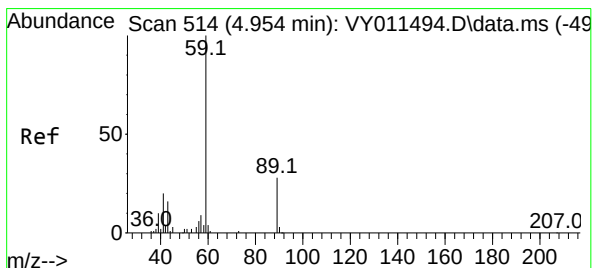
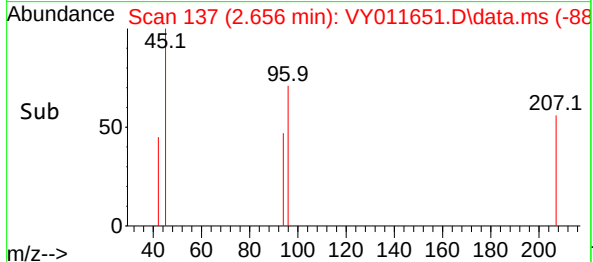
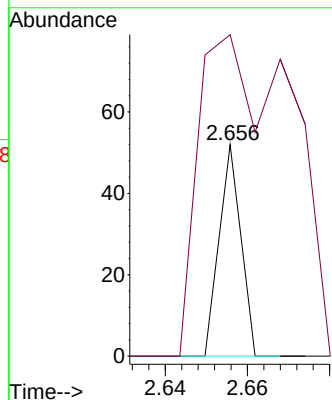
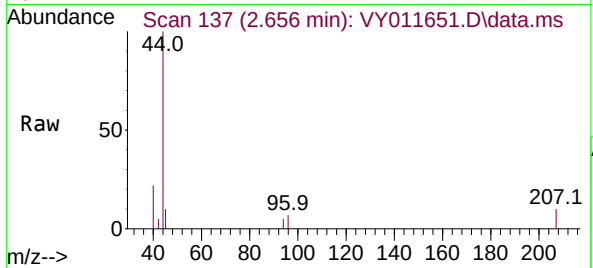




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

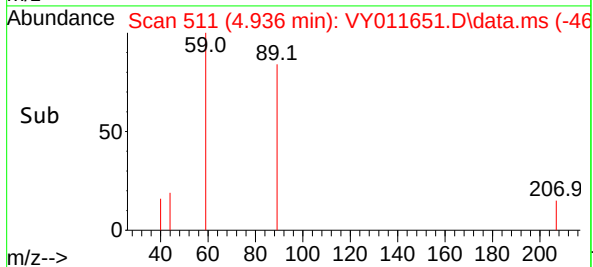
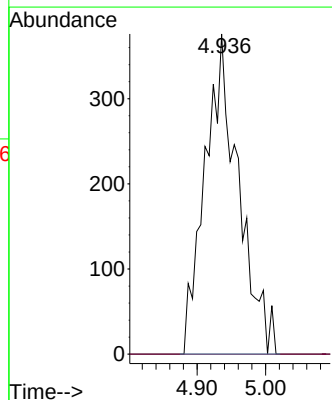
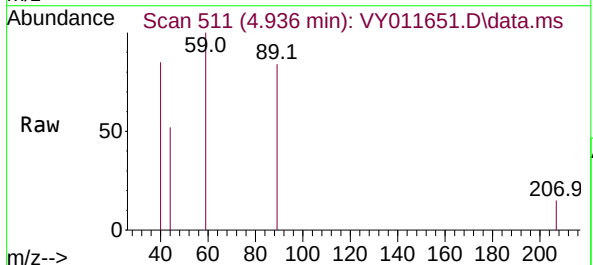
Instrument :
MSVOA_Y
ClientSampleId :
S2

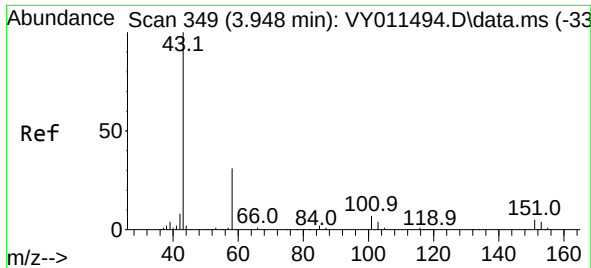
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 151.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 59 Resp: 1278
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

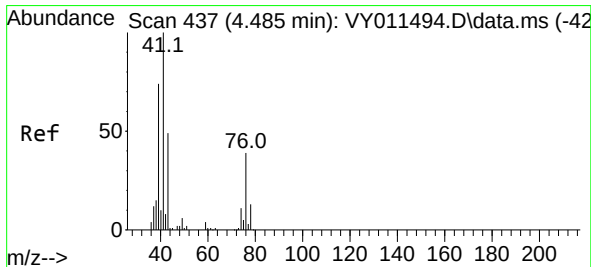
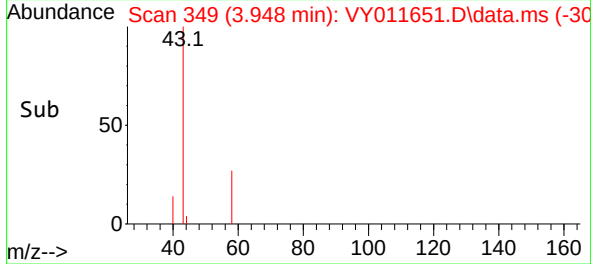
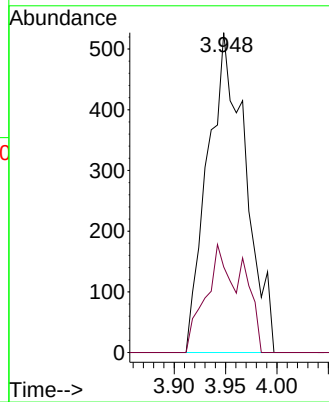
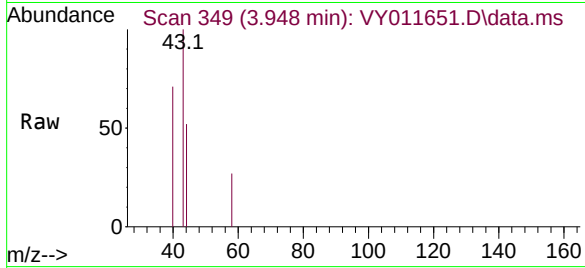




#16
Acetone
Concen: 2.179 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

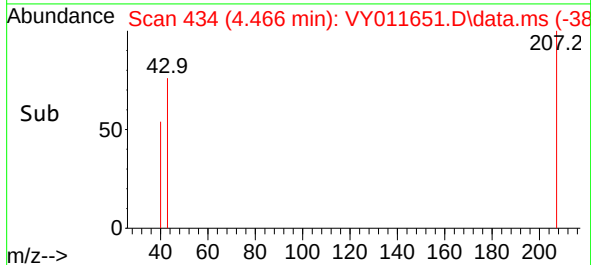
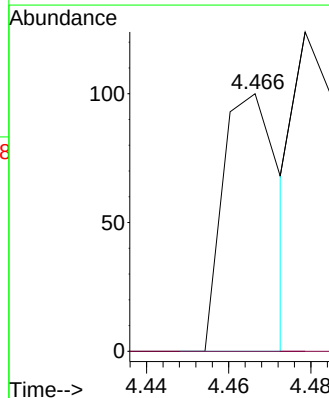
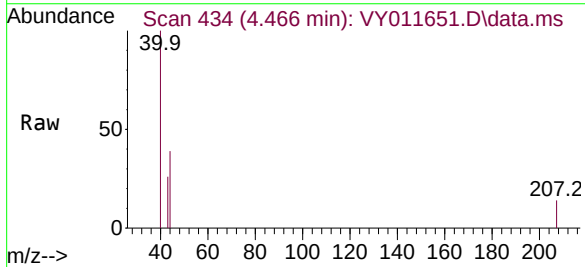
Instrument :
MSVOA_Y
ClientSampleId :
S2

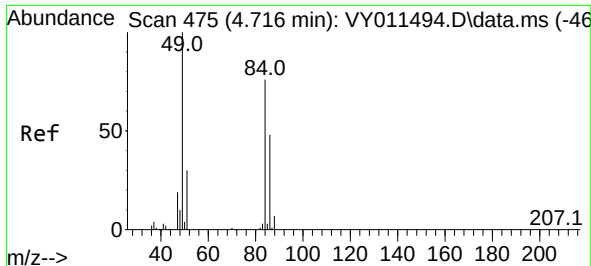
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.019 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

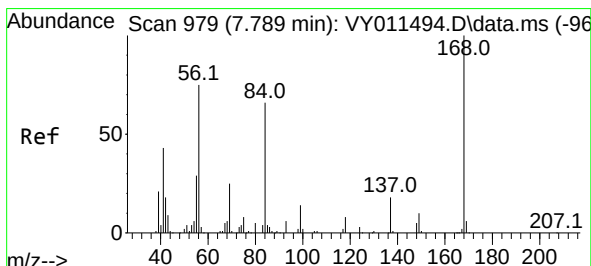
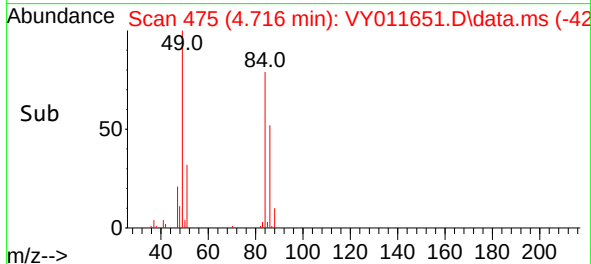
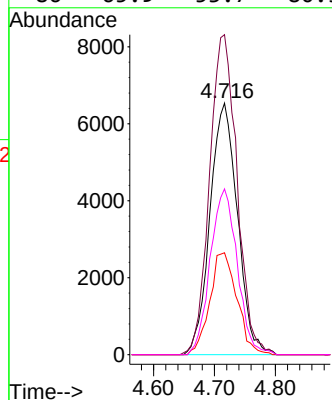
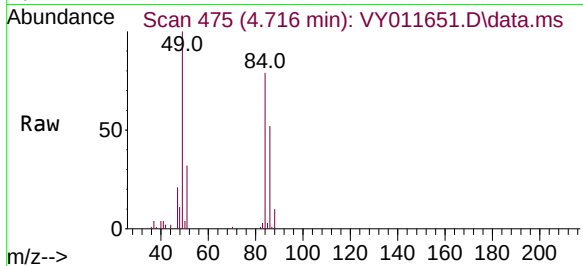




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

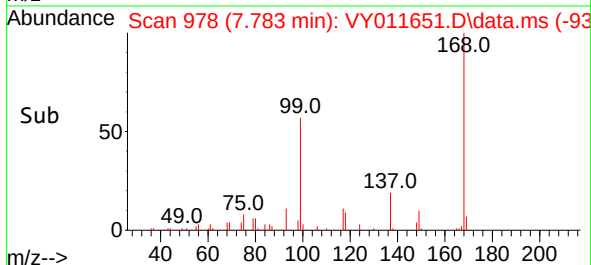
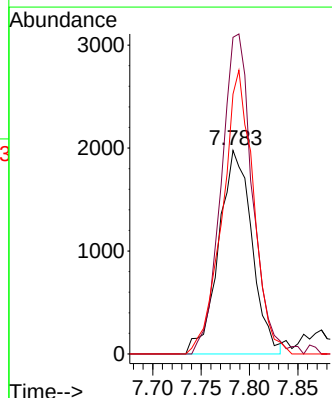
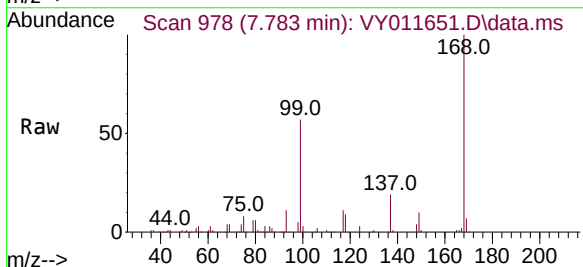
Instrument :
MSVOA_Y
ClientSampleId :
S2

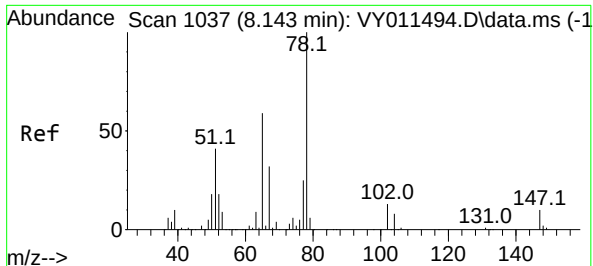
Tgt Ion:	84	Resp:	20508
Ion	Ratio	Lower	Upper
84	100		
49	127.3	114.4	171.6
51	40.6	35.3	52.9
86	65.9	53.7	80.5



#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion:	56	Resp:	4721
Ion	Ratio	Lower	Upper
56	100		
69	155.6	26.7	40.1#
84	127.7	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.081 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

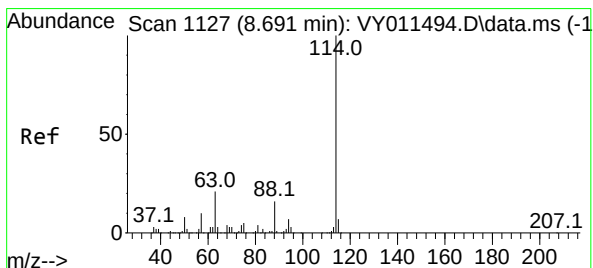
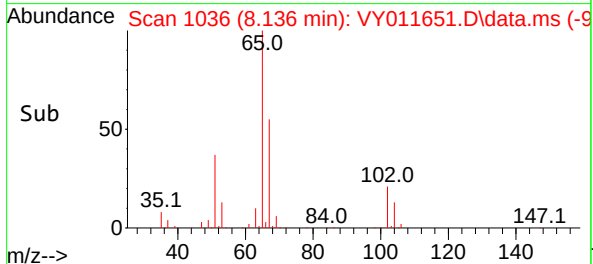
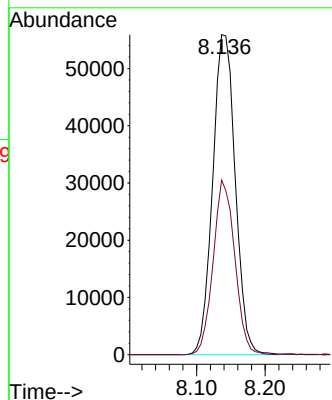
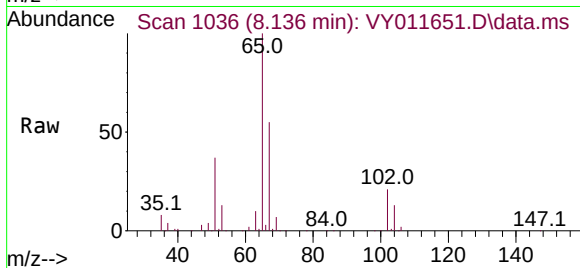
S2

Tgt Ion: 65 Resp: 127934

Ion Ratio Lower Upper

65 100

67 52.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

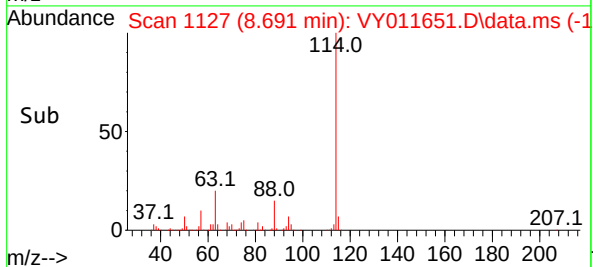
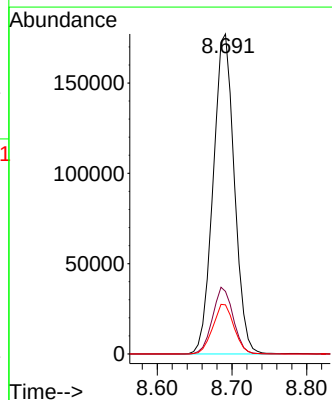
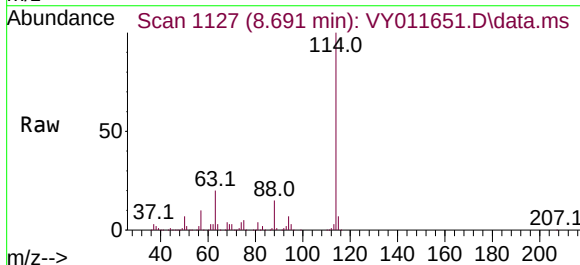
Tgt Ion: 114 Resp: 348341

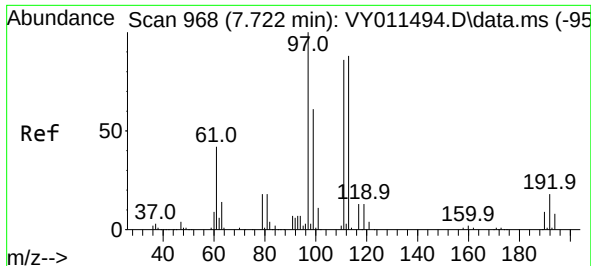
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.4 0.0 31.8

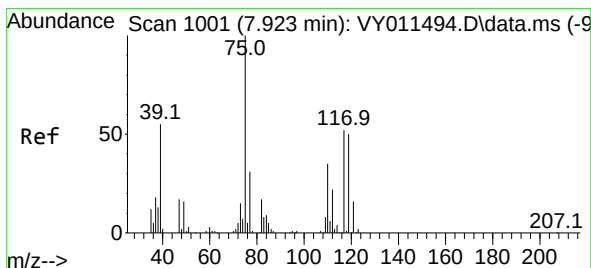
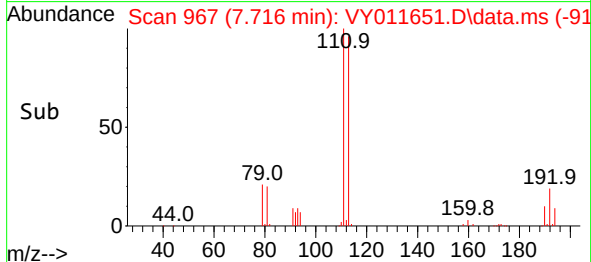
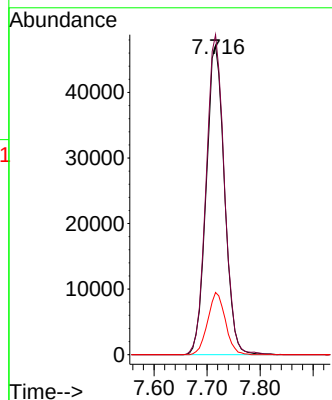
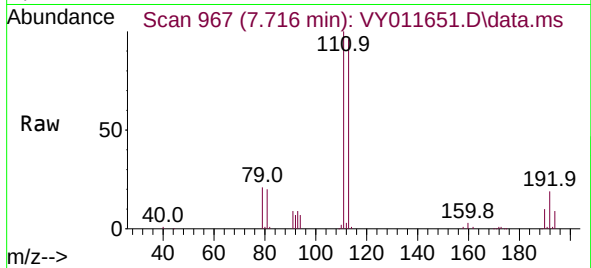




#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

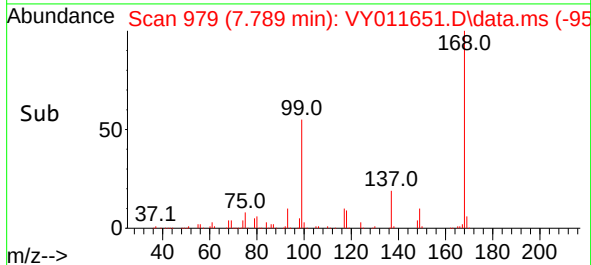
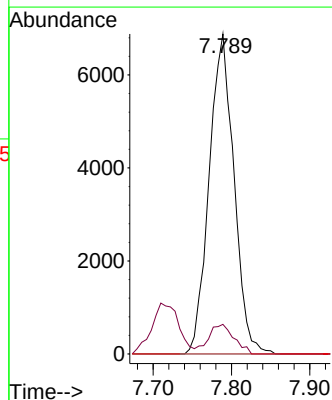
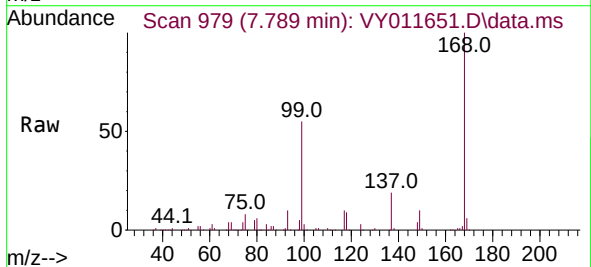
Instrument :
MSVOA_Y
ClientSampleId :
S2

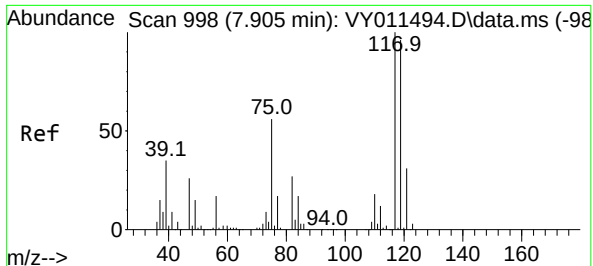
Tgt Ion:113 Resp: 112452
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 75 Resp: 15145
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

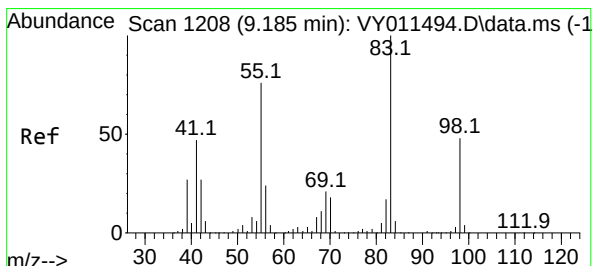
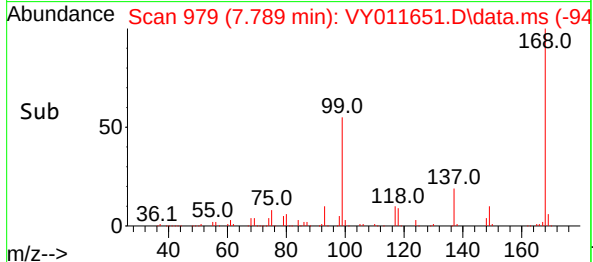
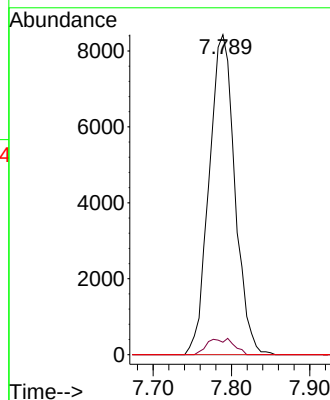
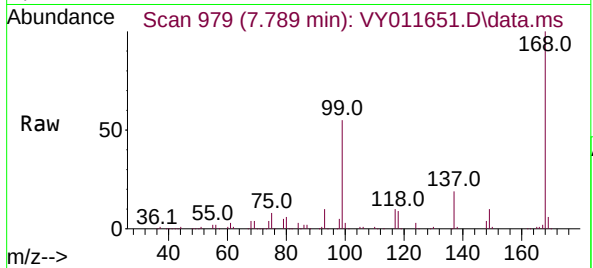




#38
Carbon Tetrachloride
Concen: 5.135 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

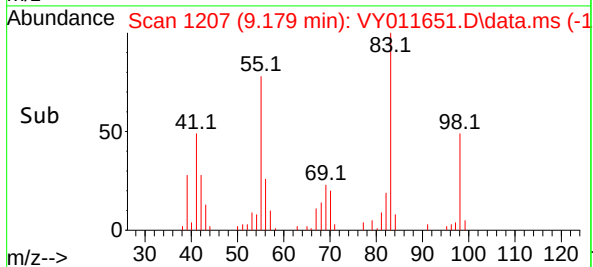
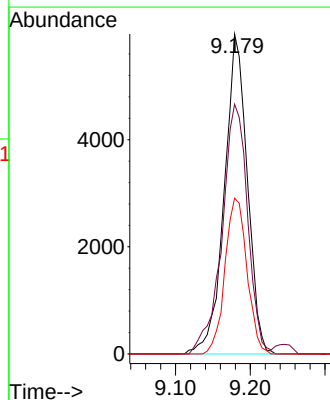
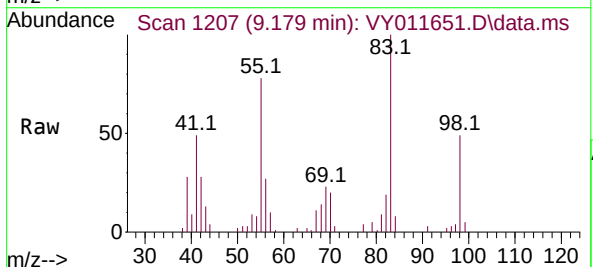
Instrument :
MSVOA_Y
ClientSampleId :
S2

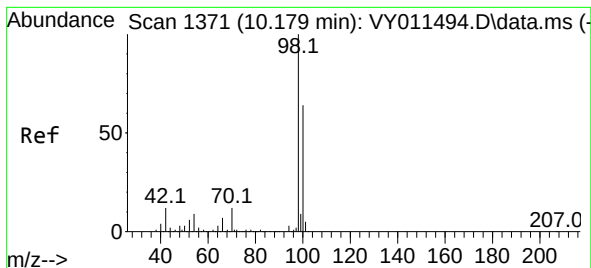
Tgt Ion:117 Resp: 19258
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.415 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 83 Resp: 12775
Ion Ratio Lower Upper
83 100
55 78.1 66.5 99.7
98 48.7 37.9 56.9





#50

Toluene-d8

Concen: 58.138 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

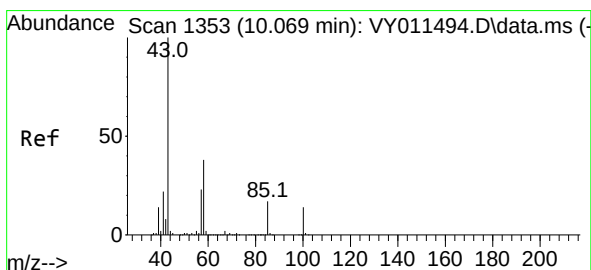
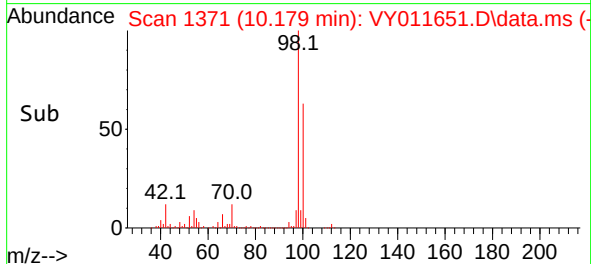
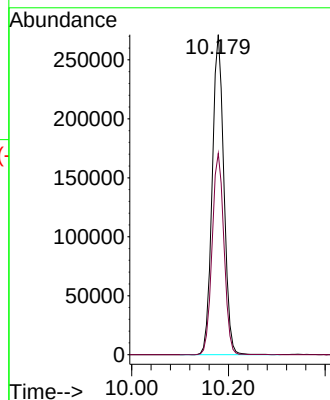
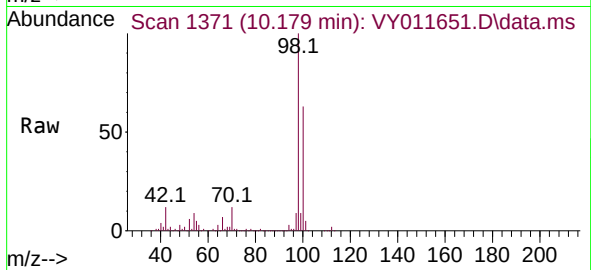
S2

Tgt Ion: 98 Resp: 453039

Ion Ratio Lower Upper

98 100

100 63.9 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 2.963 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.104 min

Lab File: VY011651.D

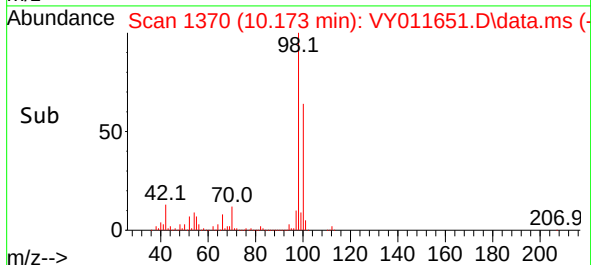
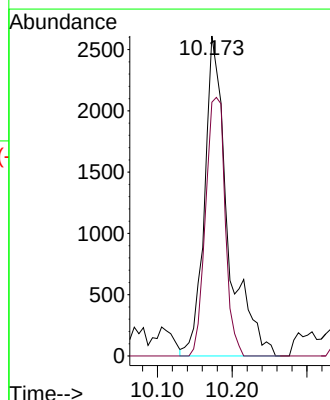
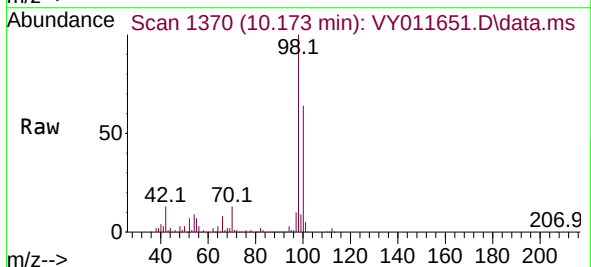
Acq: 30 Nov 2022 19:10

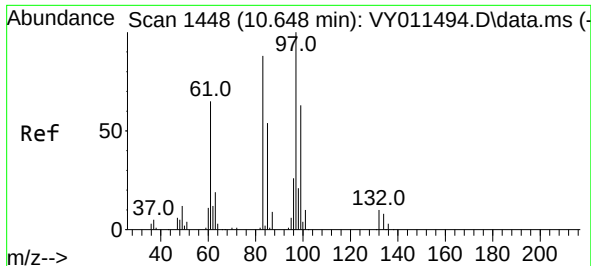
Tgt Ion: 43 Resp: 5671

Ion Ratio Lower Upper

43 100

58 67.7 28.1 42.1#

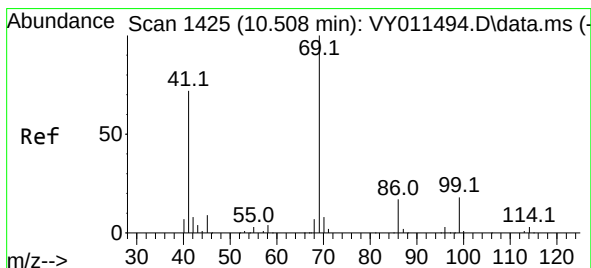
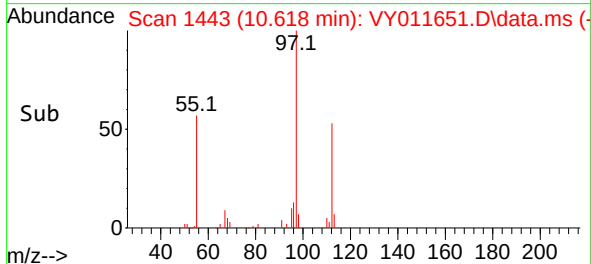
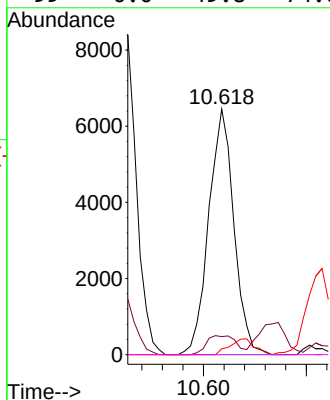
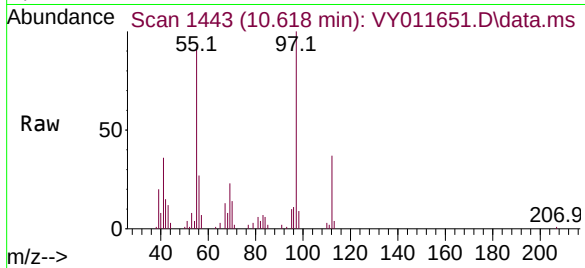




#55
1,1,2-Trichloroethane
Concen: 5.495 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

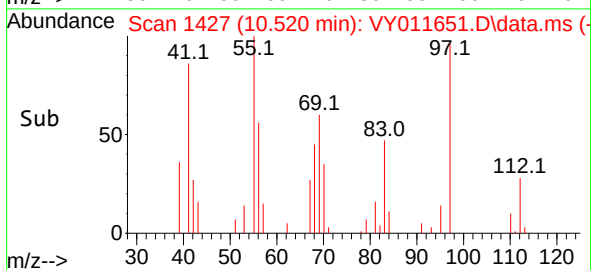
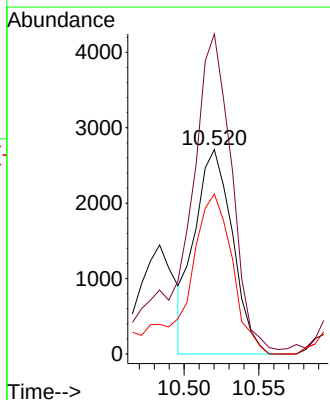
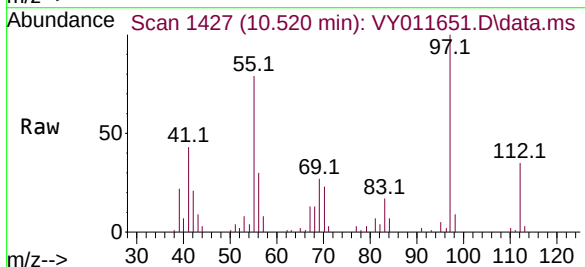
Instrument :
MSVOA_Y
ClientSampleId :
S2

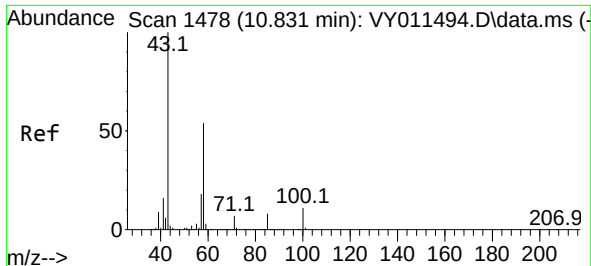
Tgt Ion:	97	Resp:	10971
Ion	Ratio	Lower	Upper
97	100		
83	7.4	69.8	104.8#
85	2.4	44.3	66.5#
99	0.0	49.8	74.6#



#56
Ethyl methacrylate
Concen: 1.916 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion:	69	Resp:	4757
Ion	Ratio	Lower	Upper
69	100		
41	186.3	63.4	95.0#
39	94.9	35.8	53.8#

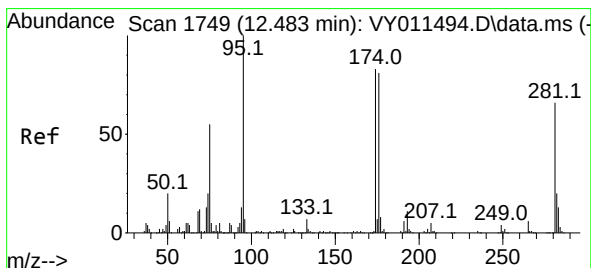
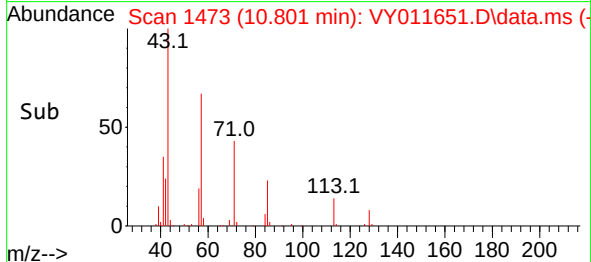
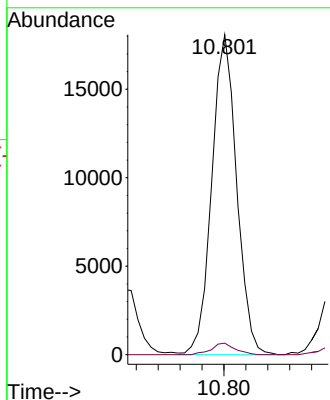
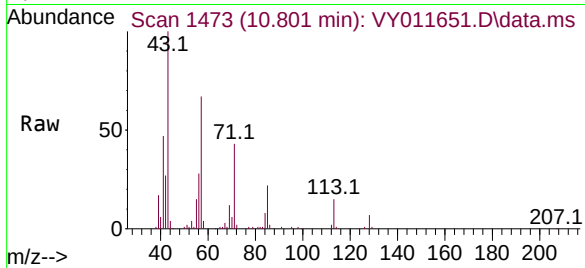




#59
2-Hexanone
Concen: 20.881 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

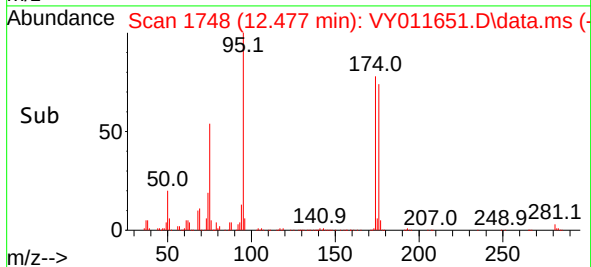
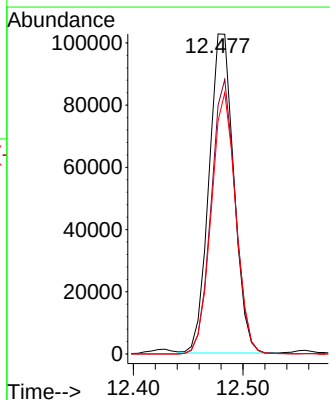
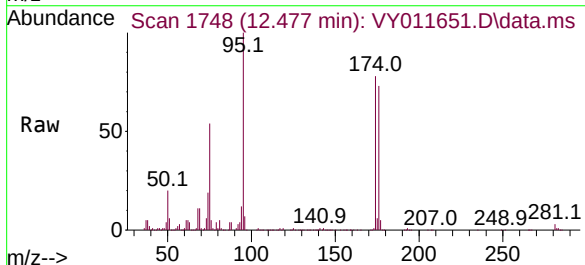
Instrument :
MSVOA_Y
ClientSampleId :
S2

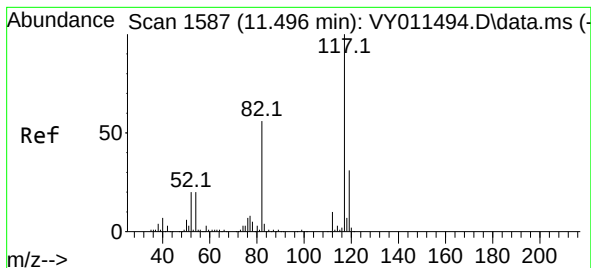
Tgt Ion: 43 Resp: 28527
Ion Ratio Lower Upper
43 100
58 3.4 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 56.109 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 95 Resp: 161654
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 80.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY011651.D

Acq: 30 Nov 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

S2

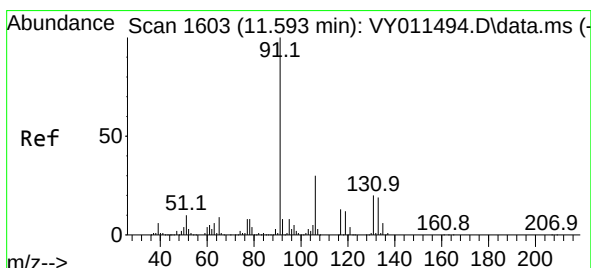
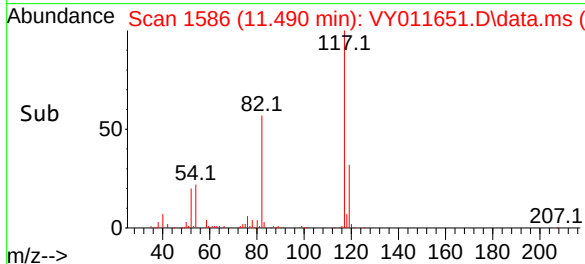
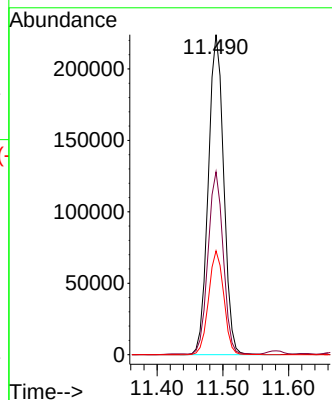
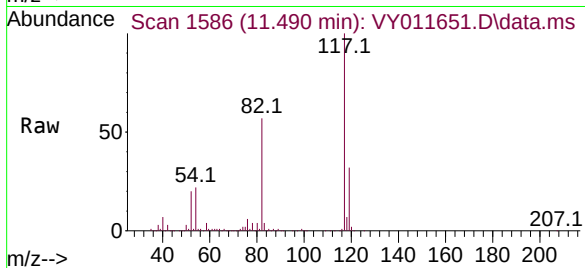
Tgt Ion:117 Resp: 365256

Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.4

119 32.4 25.4 38.0



#67

Ethyl Benzene

Concen: 2.478 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY011651.D

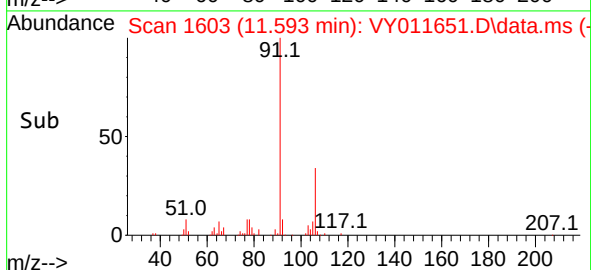
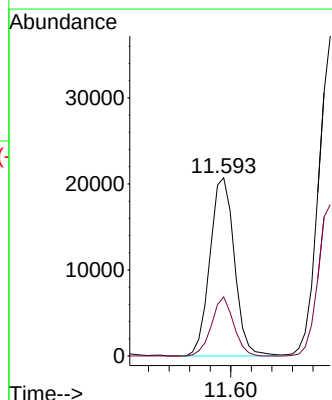
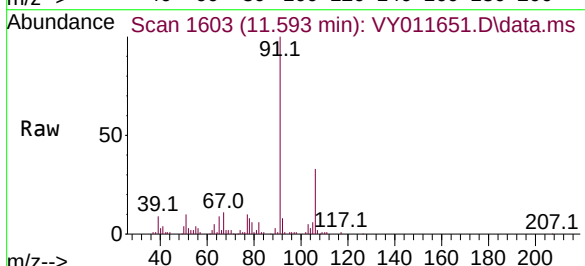
Acq: 30 Nov 2022 19:10

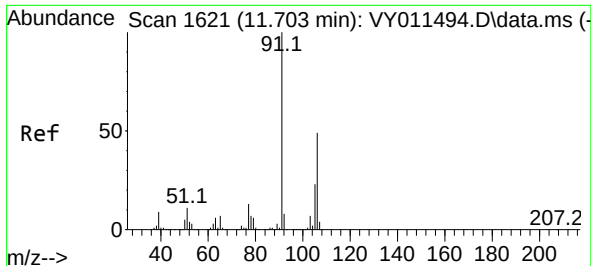
Tgt Ion: 91 Resp: 34224

Ion Ratio Lower Upper

91 100

106 33.2 24.5 36.7

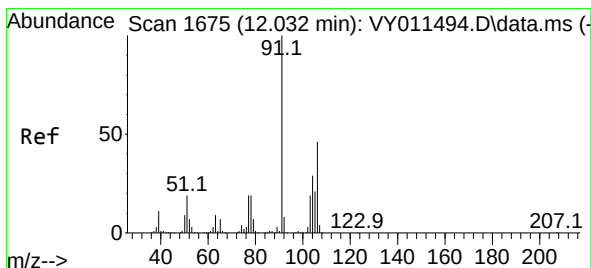
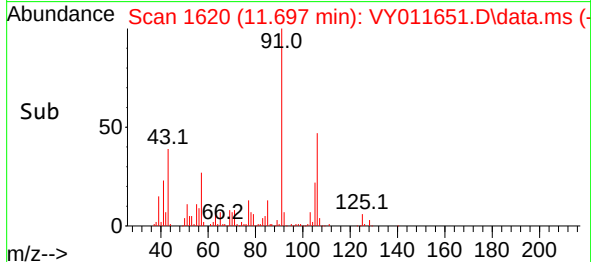
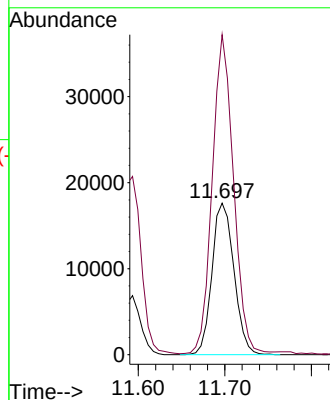
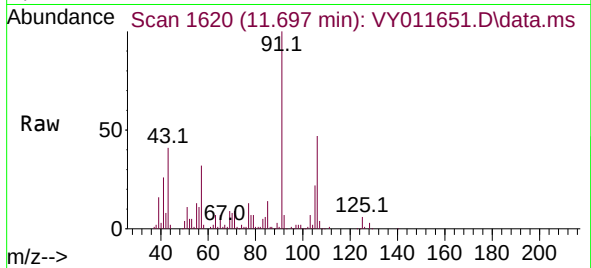




#68
m/p-Xylenes
Concen: 5.910 ug/l
RT: 11.697 min Scan# 11651
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

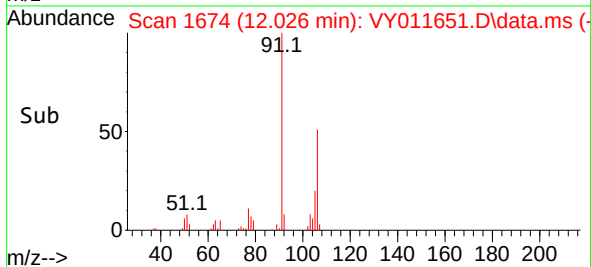
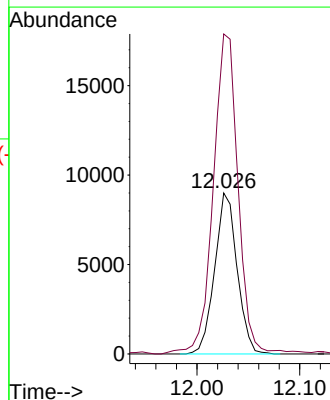
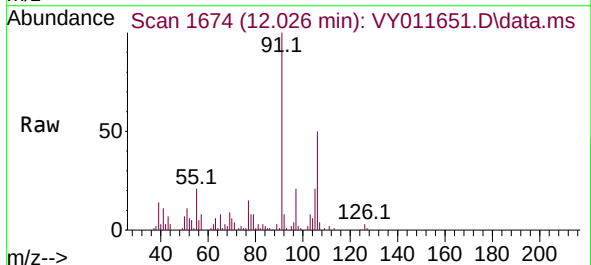
Instrument :
MSVOA_Y
ClientSampleId :
S2

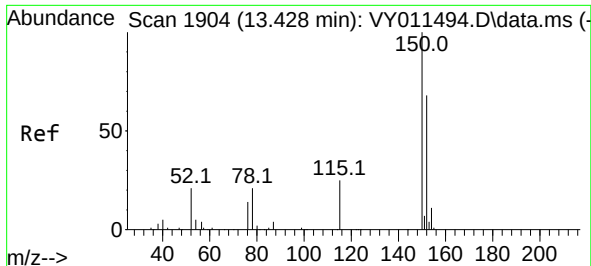
Tgt Ion:106 Resp: 31071
Ion Ratio Lower Upper
106 100
91 203.2 166.6 249.8



#69
o-Xylene
Concen: 2.778 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion:106 Resp: 13595
Ion Ratio Lower Upper
106 100
91 220.7 110.3 331.0

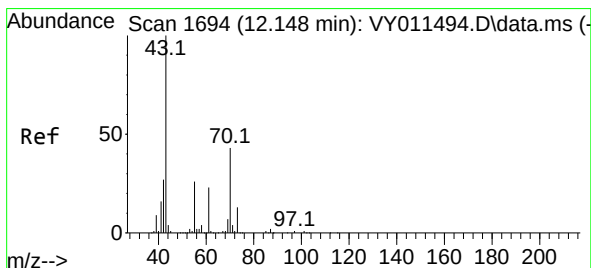
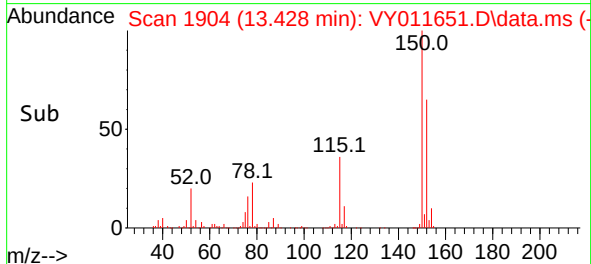
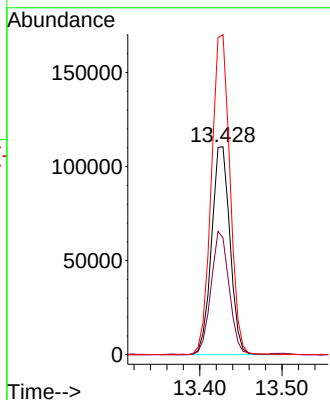
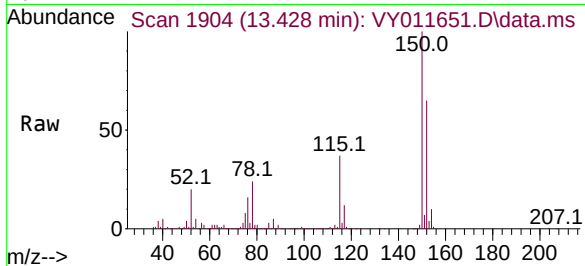




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

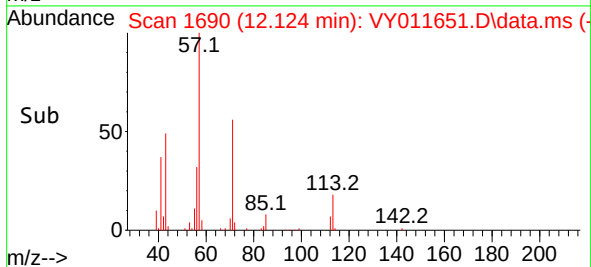
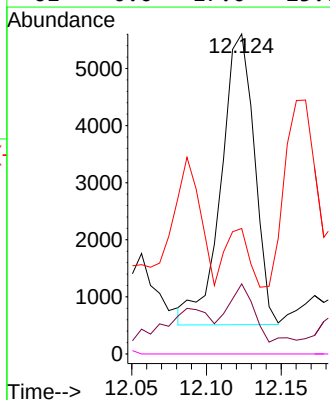
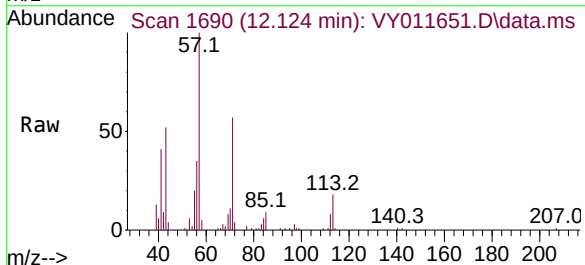
Instrument :
MSVOA_Y
ClientSampleId :
S2

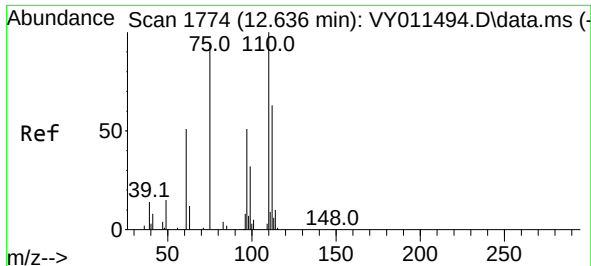
Tgt Ion:152 Resp: 171858
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 155.3 0.0 347.6



#74
N-ethyl acetate
Concen: 2.570 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 43 Resp: 7887
Ion Ratio Lower Upper
43 100
70 13.2 28.7 43.1#
55 20.3 17.3 25.9
61 0.0 17.0 25.6#

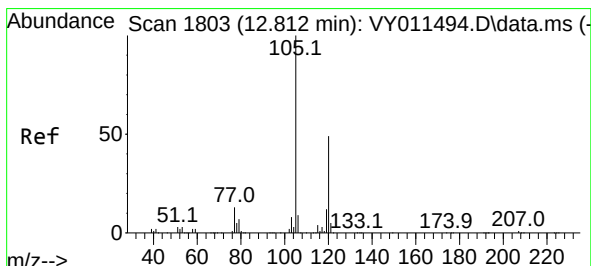
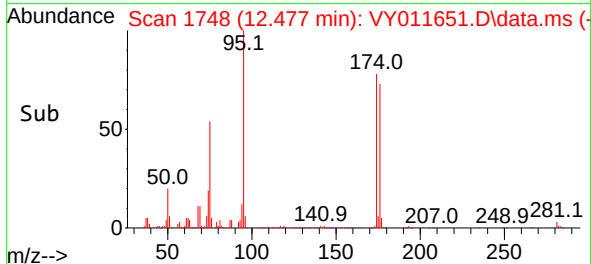
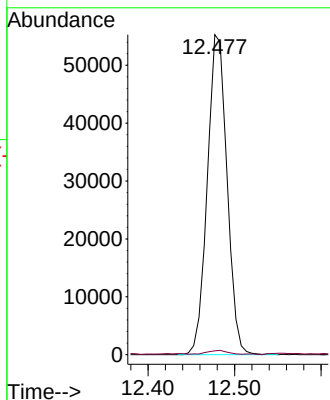
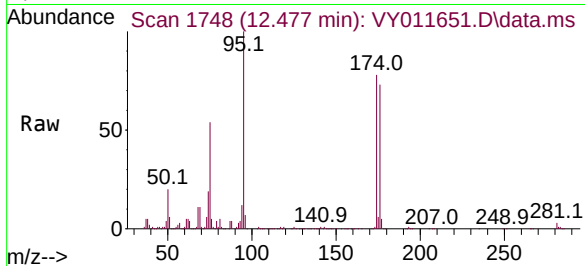




#76
1,2,3-Trichloropropane
Concen: 47.217 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

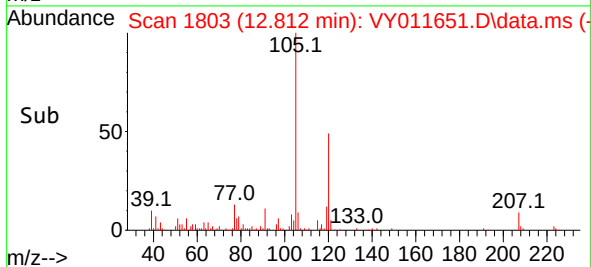
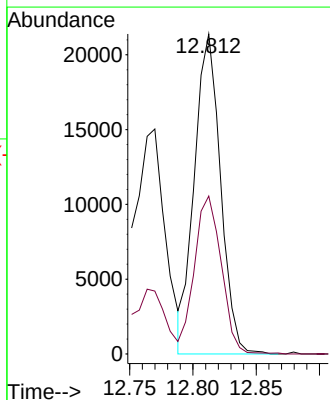
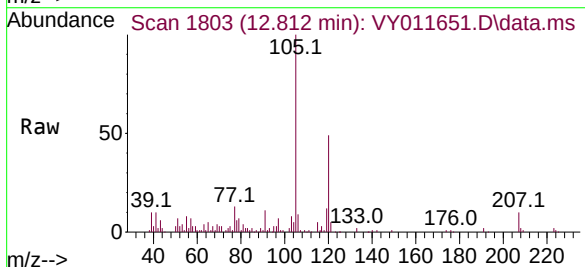
Instrument :
MSVOA_Y
ClientSampleId :
S2

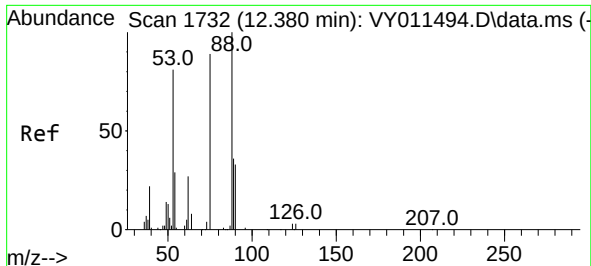
Tgt Ion: 75 Resp: 87389
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.935 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 105 Resp: 30748
Ion Ratio Lower Upper
105 100
120 50.9 24.4 73.4

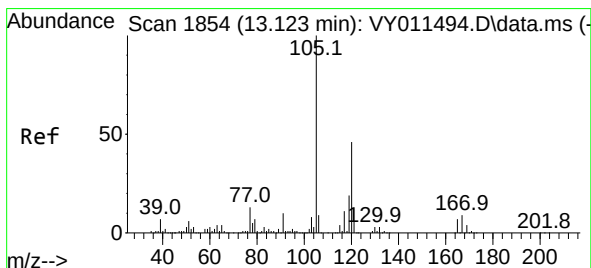
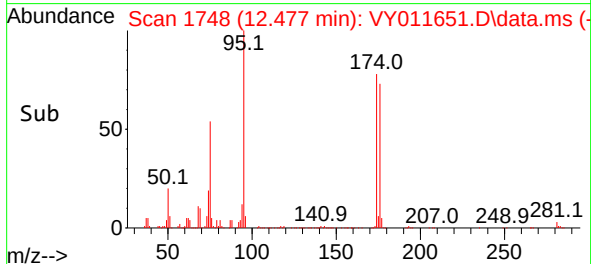
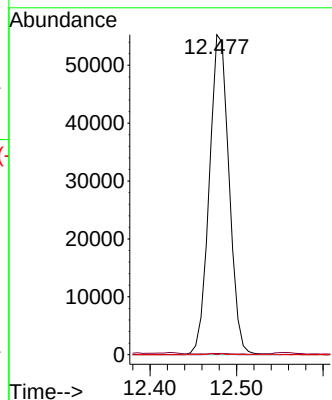
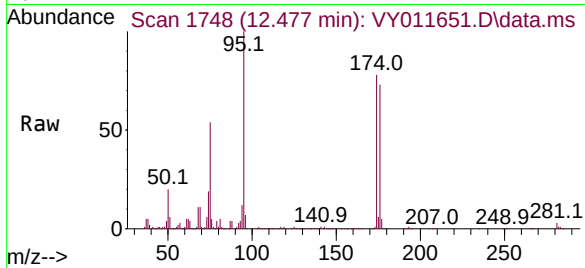




#81
trans-1,4-Dichloro-2-butene
Concen: 103.421 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

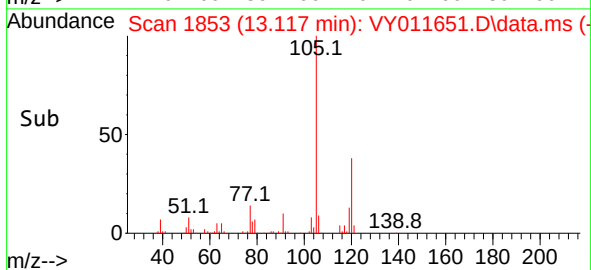
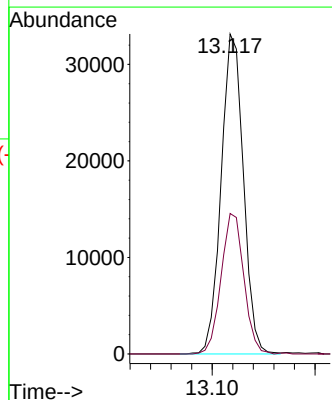
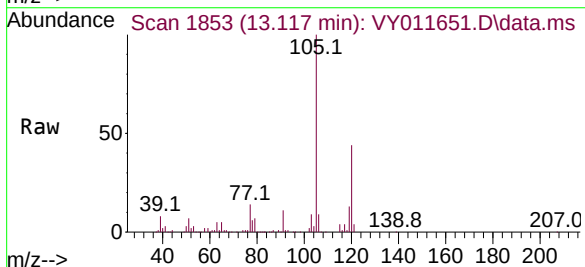
Instrument :
MSVOA_Y
ClientSampleId :
S2

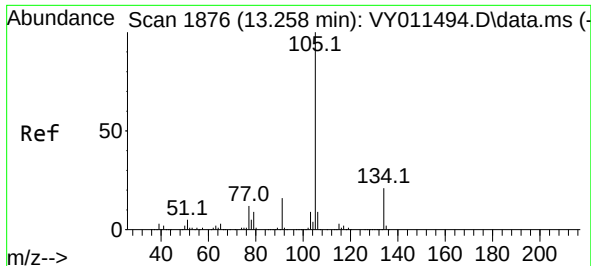
Tgt Ion: 75 Resp: 87389
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.808 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY011651.D
Acq: 30 Nov 2022 19:10

Tgt Ion: 105 Resp: 49755
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.9

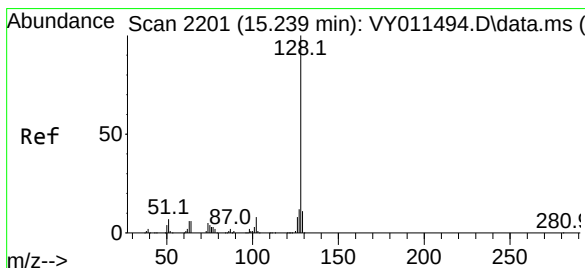
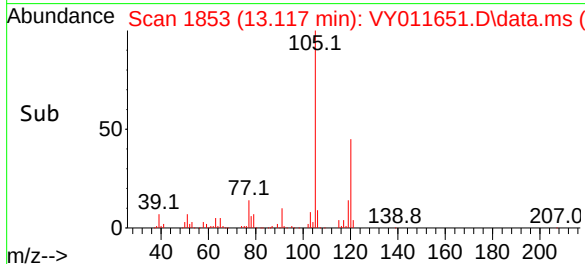
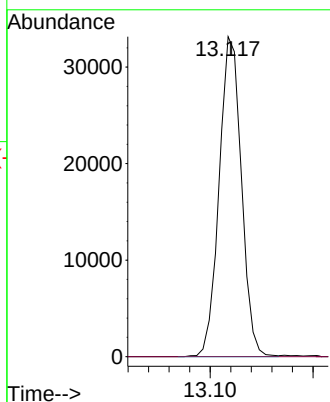
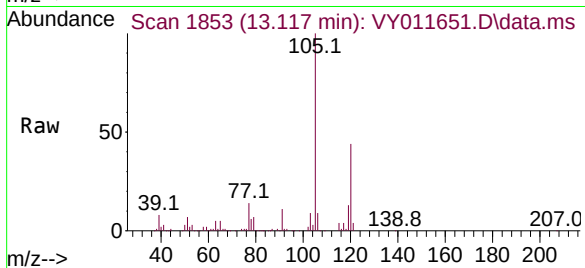




#85
 sec-Butylbenzene
 Concen: 3.654 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. -0.141 min
 Lab File: VY011651.D
 Acq: 30 Nov 2022 19:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Tgt Ion:105 Resp: 49755
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 39.557 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY011651.D
 Acq: 30 Nov 2022 19:10

Tgt Ion:128 Resp: 235326
 Ion Ratio Lower Upper
 128 100
 127 13.4 11.0 16.4
 129 11.1 8.4 12.6

