

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012022\
 Data File : VY007243.D
 Acq On : 20 Jan 2022 16:01
 Operator : SY/MD
 Sample : N1214-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-012022

Quant Time: Jan 21 00:46:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

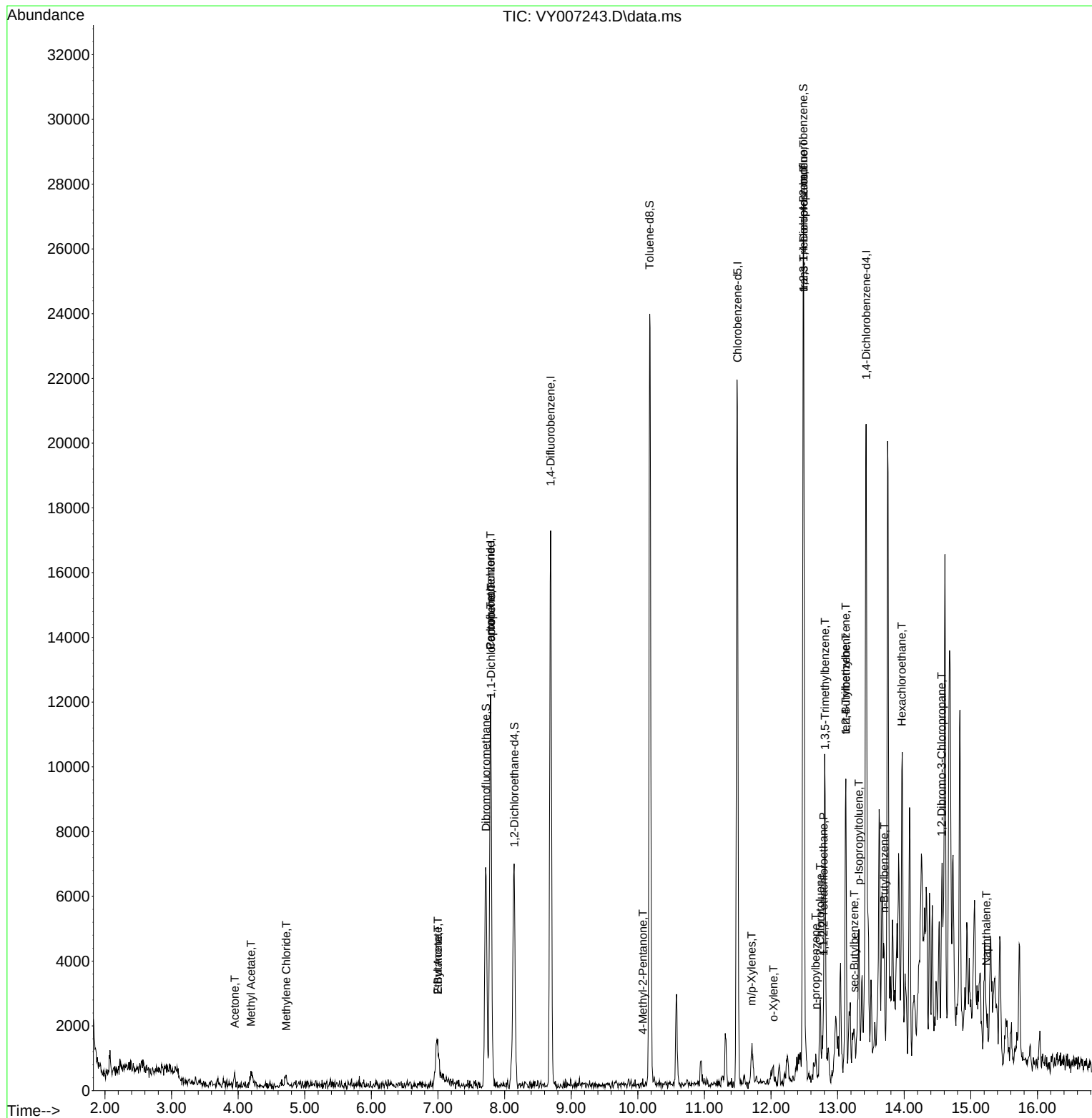
Internal Standards						
1) Pentafluorobenzene	7.789	168	8918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	12255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5393	49.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.560%		
35) Dibromofluoromethane	7.722	113	4887	48.942	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.880%		
50) Toluene-d8	10.179	98	16610	45.525	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.040%		
62) 4-Bromofluorobenzene	12.483	95	5124	39.481	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.960%		
Target Compounds					Qvalue	
16) Acetone	3.948	43	397	13.980	ug/l #	79
18) Methyl Acetate	4.192	43	118	1.168	ug/l #	49
20) Methylene Chloride	4.722	84	220	1.873	ug/l #	16
25) 2-Butanone	6.996	43	191	5.202	ug/l #	47
36) 1,1-Dichloropropene	7.795	75	777	4.872	ug/l #	42
37) Ethyl Acetate	6.996	43	191	2.334	ug/l #	67
38) Carbon Tetrachloride	7.789	117	954	5.687	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	83	1.028	ug/l #	34
68) m/p-Xylenes	11.709	106	221	1.181	ug/l	93
69) o-Xylene	12.038	106	184	1.044	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.788	83	86	1.171	ug/l #	25
76) 1,2,3-Trichloropropane	12.489	75	2870	57.570	ug/l #	100
78) n-propylbenzene	12.672	91	784	1.675	ug/l	89
79) 2-Chlorotoluene	12.739	91	279	1.072	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.813	105	1216	3.922	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.489	75	2870	105.395	ug/l #	3
83) tert-Butylbenzene	13.123	119	589	2.199	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.123	105	4754	15.469	ug/l	98
85) sec-Butylbenzene	13.251	105	705	1.759	ug/l	95
86) p-Isopropyltoluene	13.319	119	692	2.101	ug/l	94
89) n-Butylbenzene	13.703	91	2210	6.814	ug/l #	69
90) Hexachloroethane	13.965	117	265	4.115	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.562	75	28	2.208	ug/l #	3
95) Naphthalene	15.233	128	550	2.976	ug/l #	69

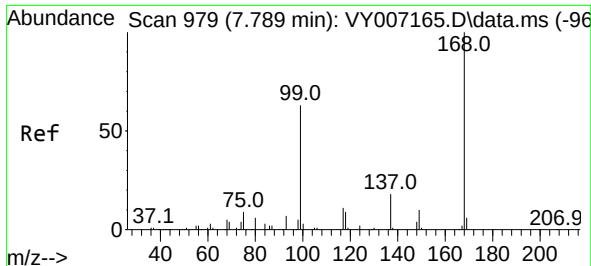
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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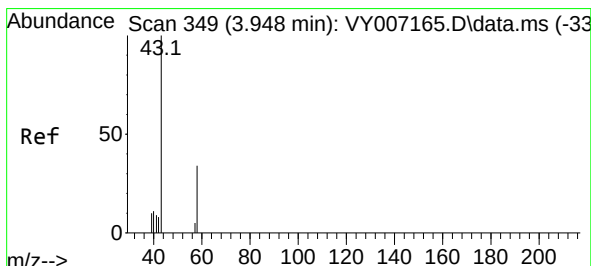
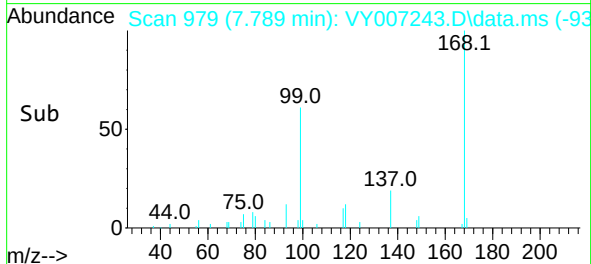
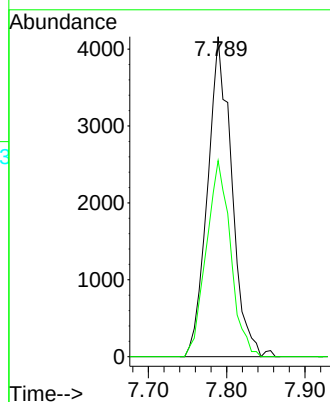
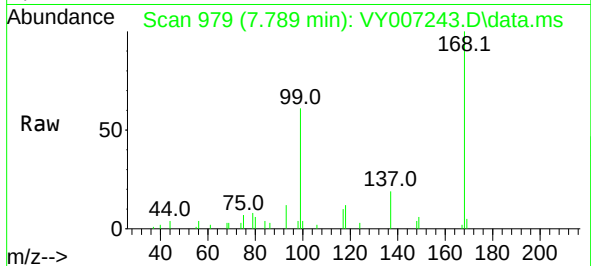




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

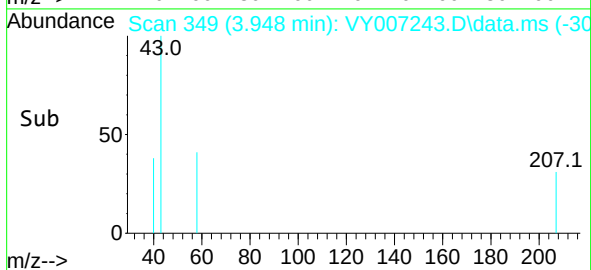
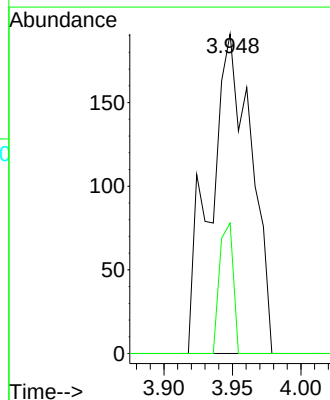
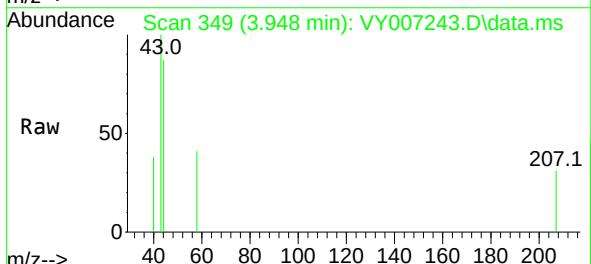
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

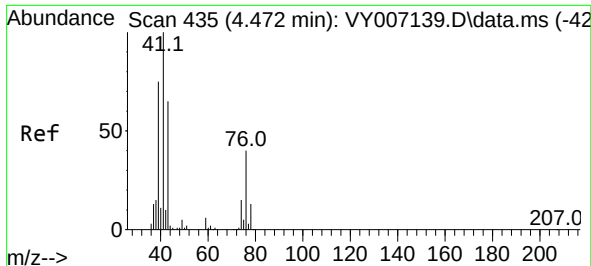
Tgt Ion:168 Resp: 8918
Ion Ratio Lower Upper
168 100
99 61.3 49.1 73.7



#16
Acetone
Concen: 13.980 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
58 40.8 23.8 35.6#

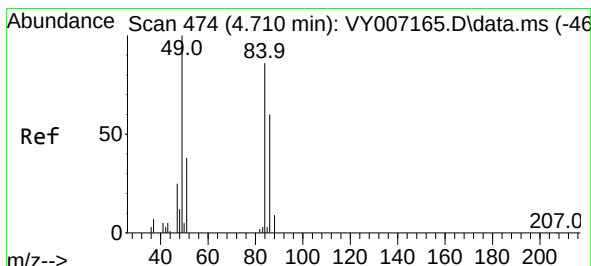
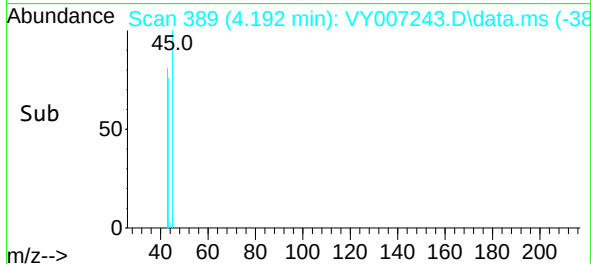
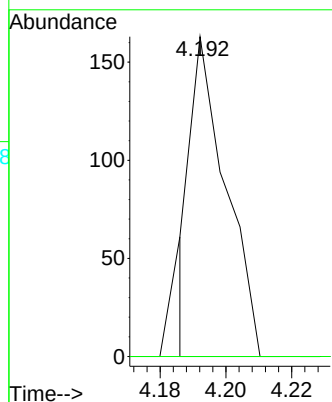
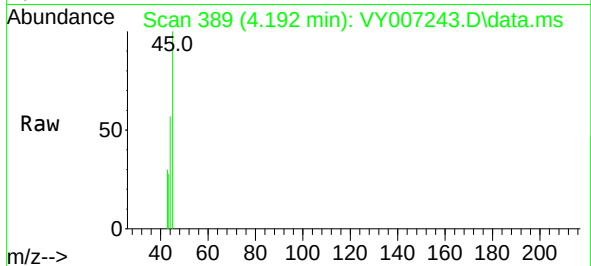




#18
Methyl Acetate
Concen: 1.168 ug/l
RT: 4.192 min Scan# 311
Delta R.T. -0.280 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

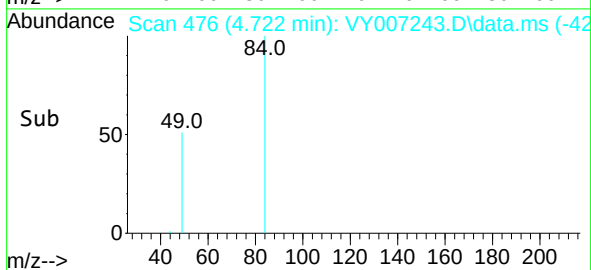
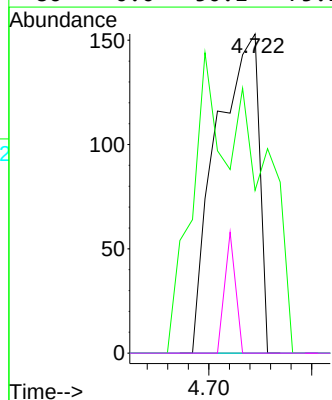
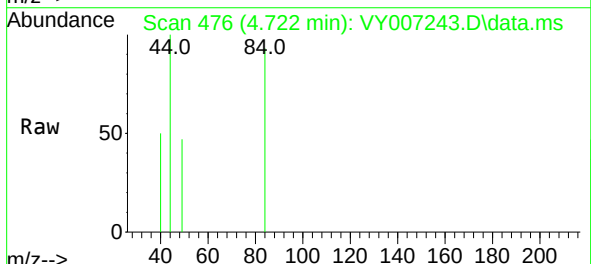
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

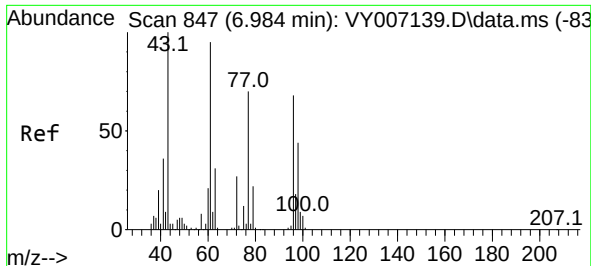
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 1.873 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 84 Resp: 220
Ion Ratio Lower Upper
84 100
49 15.7 92.6 139.0#
51 0.0 28.6 42.8#
86 0.0 50.1 75.1#





#25

2-Butanone

Concen: 5.202 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.013 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

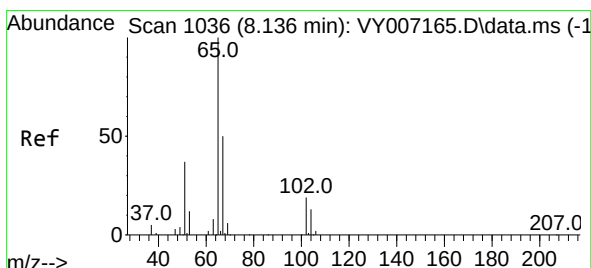
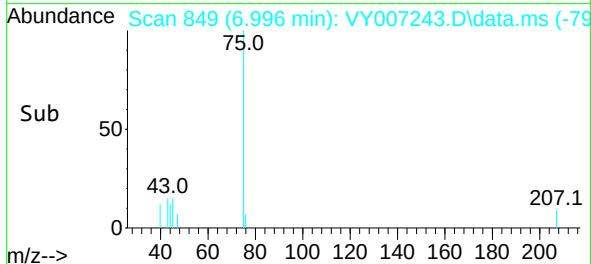
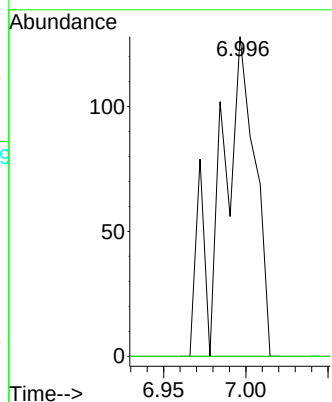
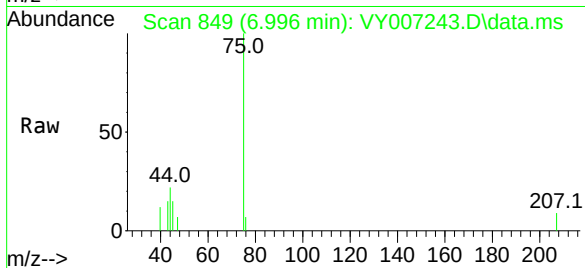
EO-02-012022

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 49.285 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.007 min

Lab File: VY007243.D

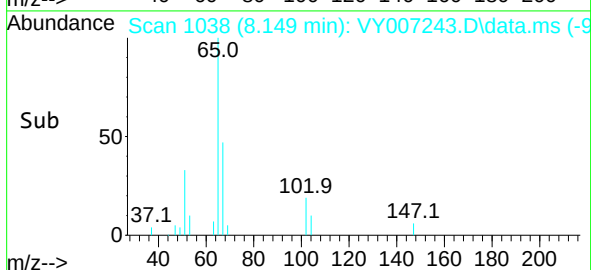
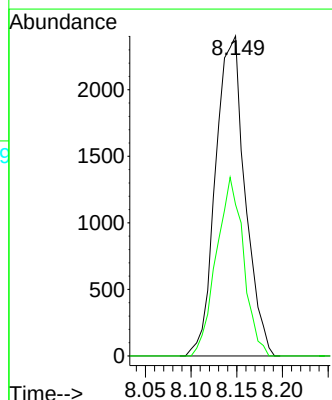
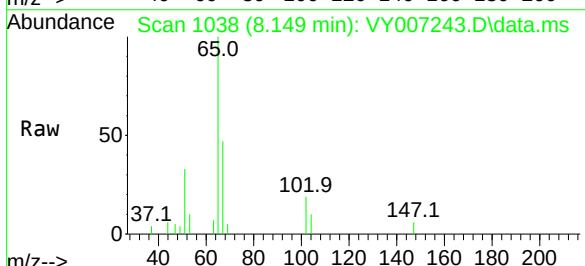
Acq: 20 Jan 2022 16:01

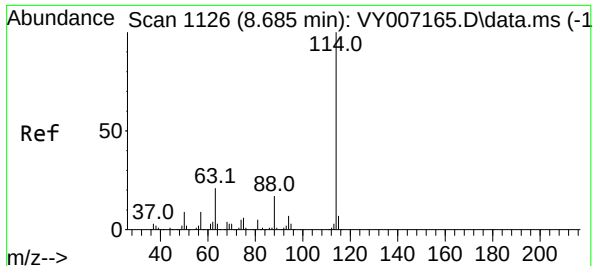
Tgt Ion: 65 Resp: 5393

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-012022

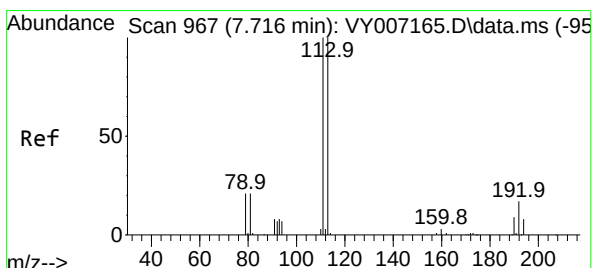
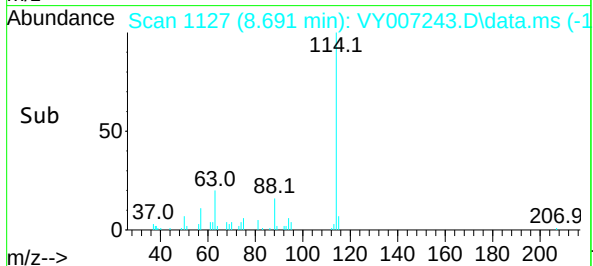
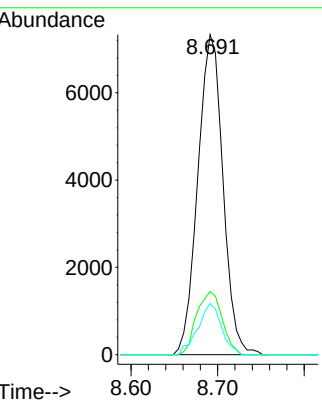
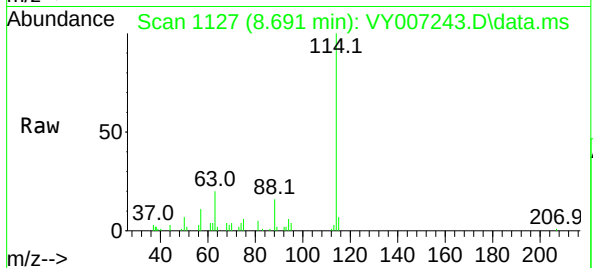
Tgt Ion:114 Resp: 14767

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.0 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.942 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

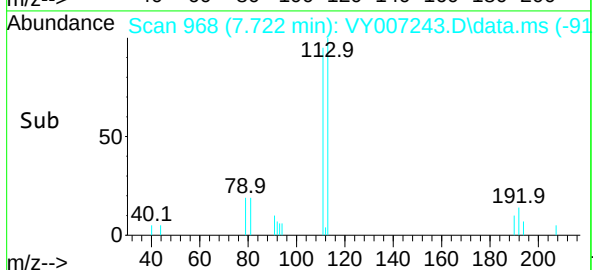
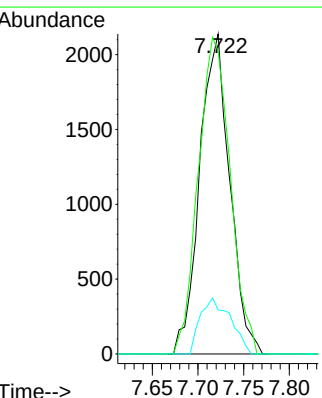
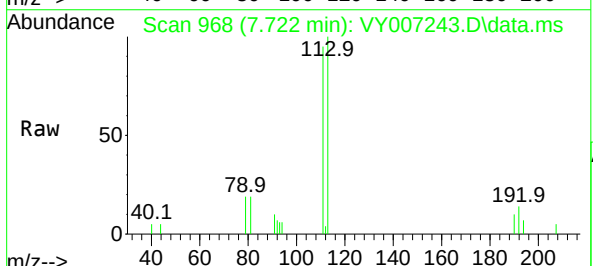
Tgt Ion:113 Resp: 4887

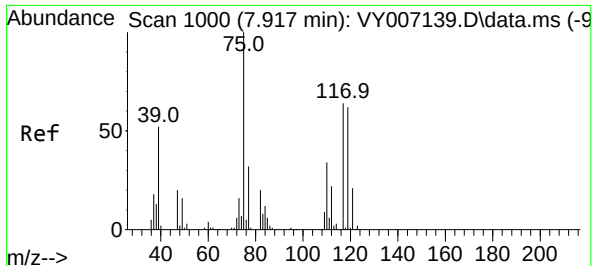
Ion Ratio Lower Upper

113 100

111 105.2 82.2 123.4

192 17.6 14.2 21.4

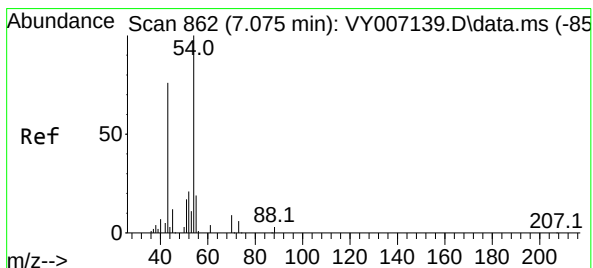
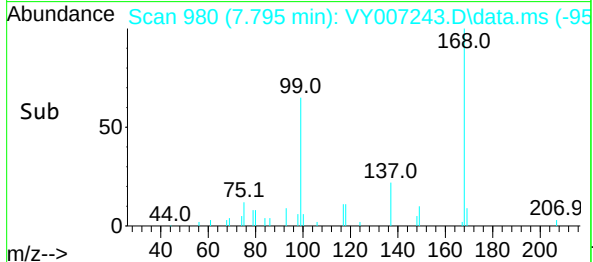
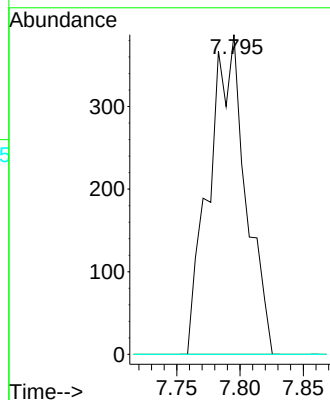
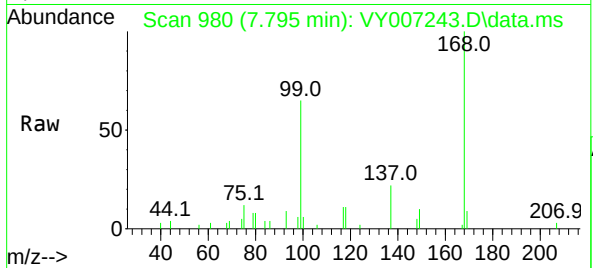




#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

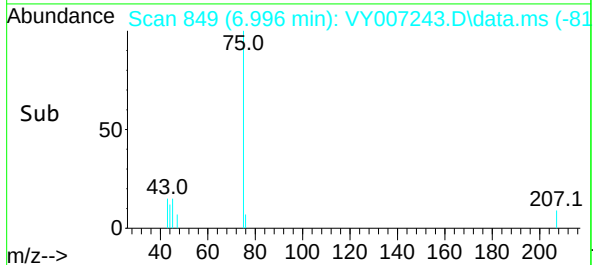
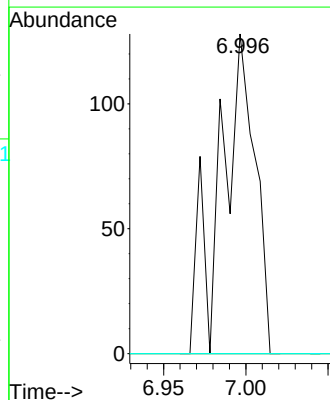
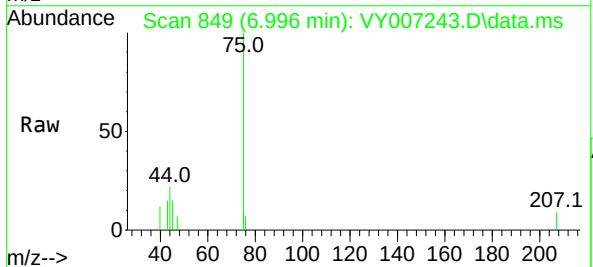
Instrument :
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EO-02-012022

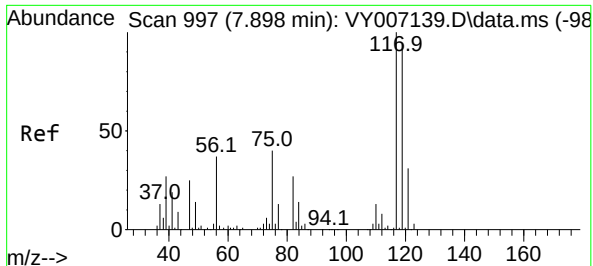
Tgt Ion: 75 Resp: 777
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.334 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.079 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

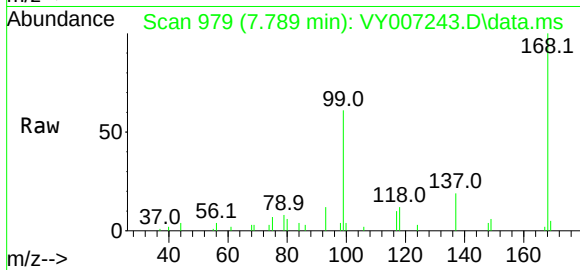
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 9.0 13.4#



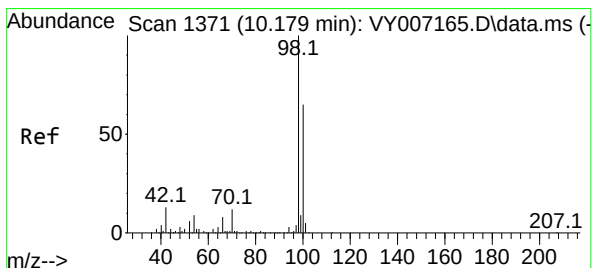
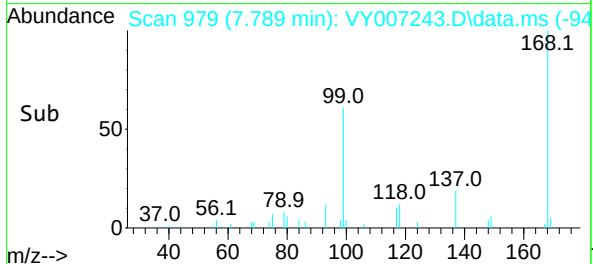
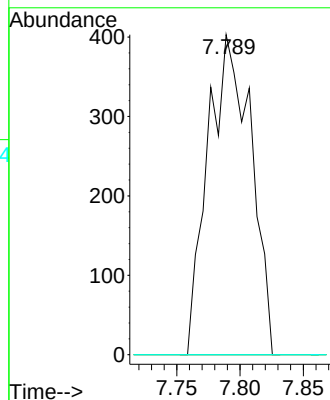


#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Instrument :
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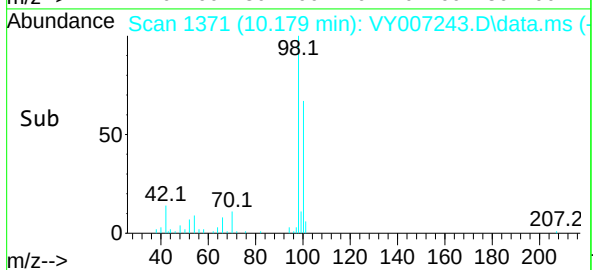
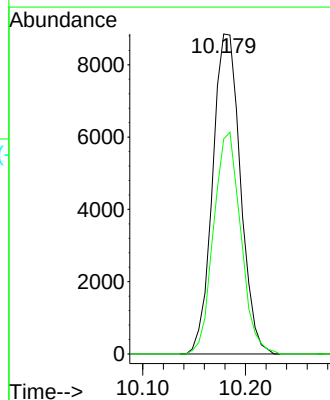
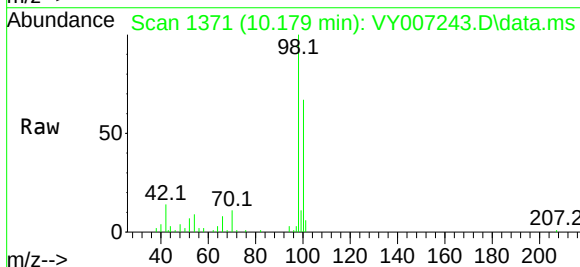


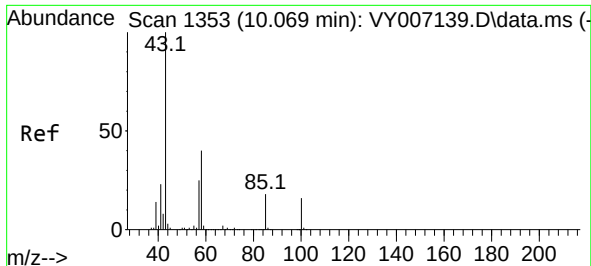
Tgt Ion:117 Resp: 954
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.525 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 98 Resp: 16610
Ion Ratio Lower Upper
98 100
100 67.8 52.2 78.2

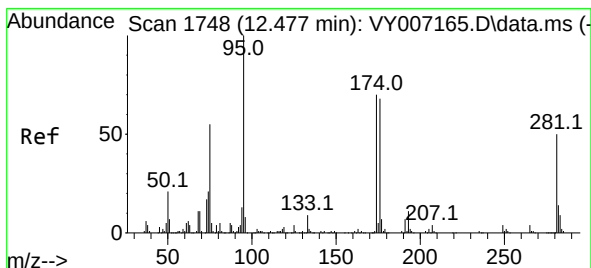
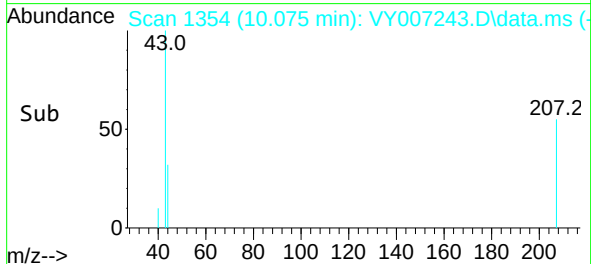
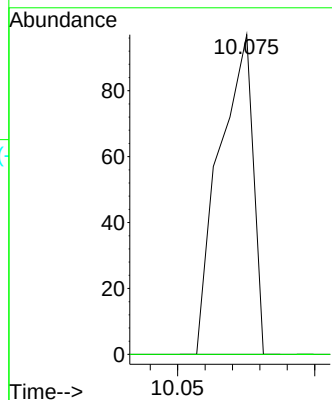
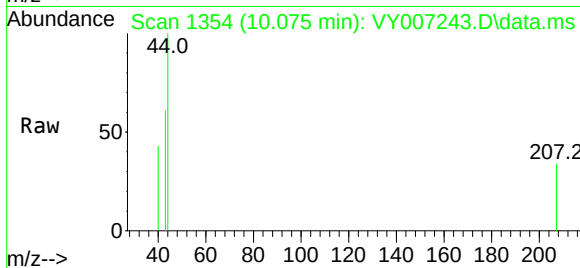




#51
4-Methyl-2-Pentanone
Concen: 1.028 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

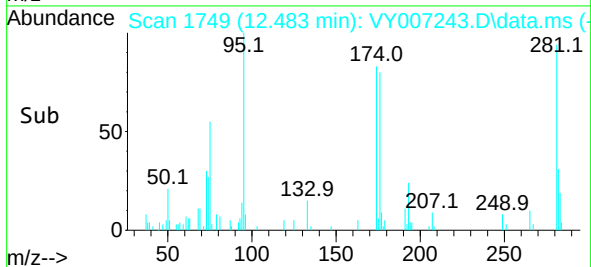
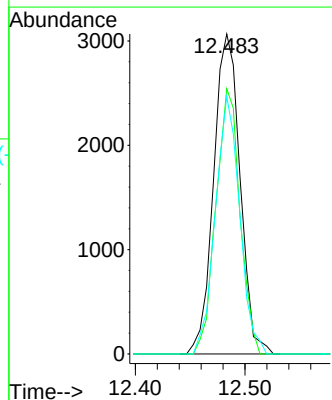
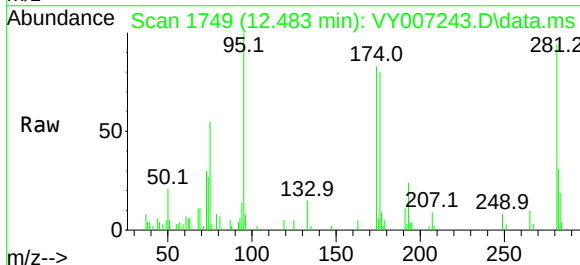
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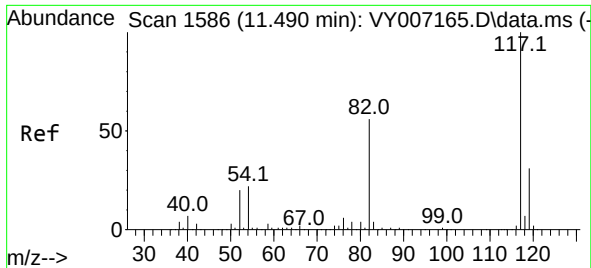
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#



#62
4-Bromofluorobenzene
Concen: 39.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 95 Resp: 5124
Ion Ratio Lower Upper
95 100
174 75.5 0.0 148.4
176 74.3 0.0 146.6

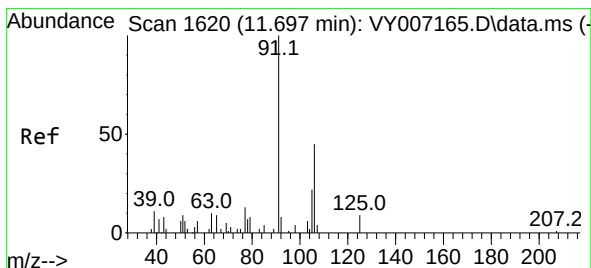
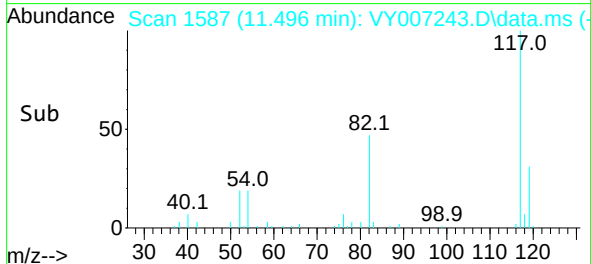
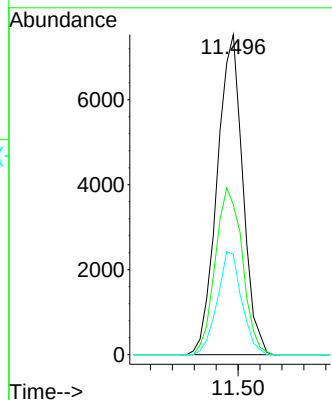
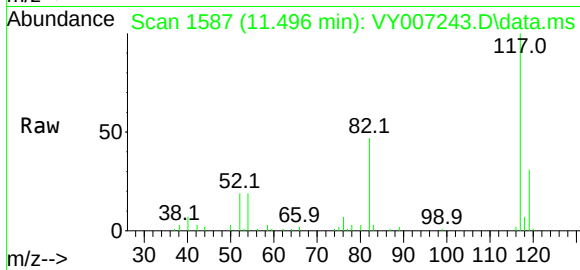




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

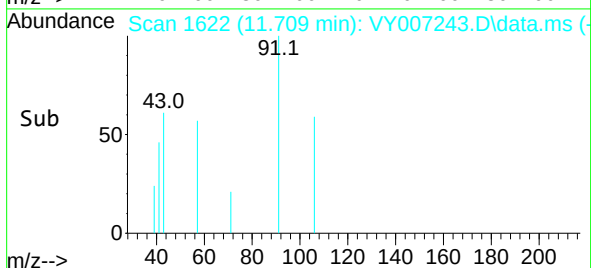
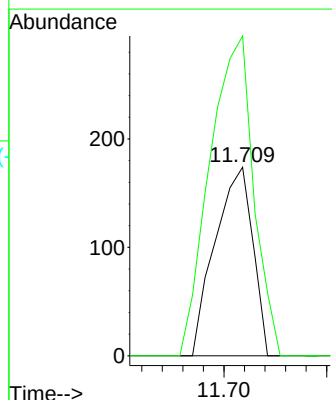
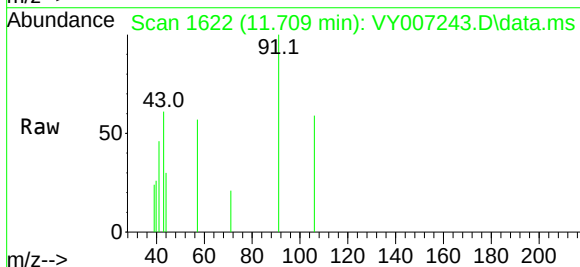
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

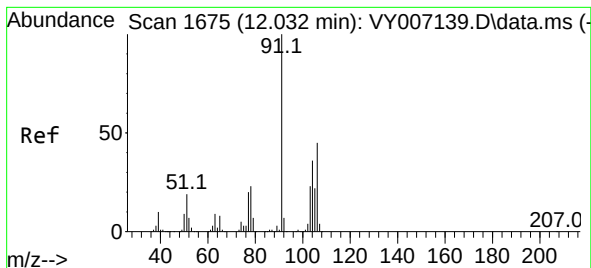
Tgt Ion:117 Resp: 12255
Ion Ratio Lower Upper
117 100
82 46.9 45.4 68.0
119 31.4 26.4 39.6



#68
m/p-Xylenes
Concen: 1.181 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.007 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion:106 Resp: 221
Ion Ratio Lower Upper
106 100
91 197.3 167.1 250.7





#69

o-Xylene

Concen: 1.044 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

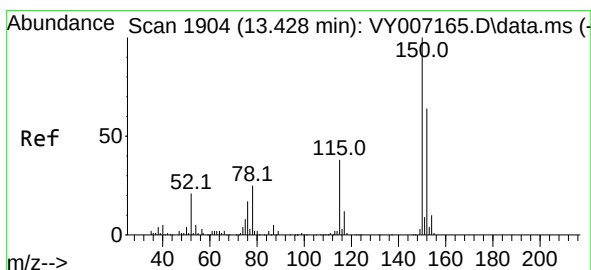
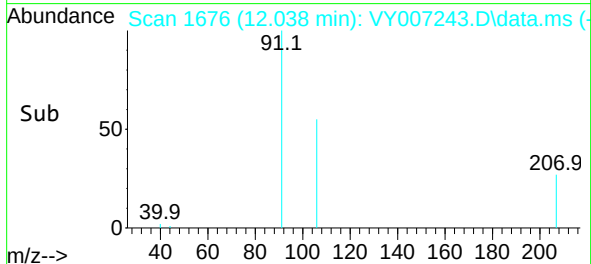
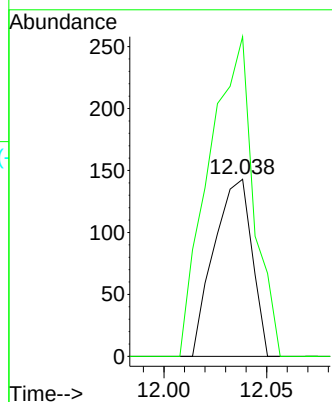
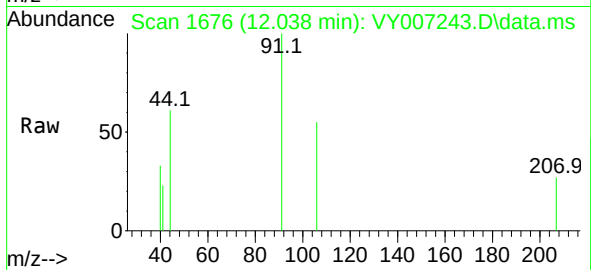
EO-02-012022

Tgt Ion:106 Resp: 184

Ion Ratio Lower Upper

106 100

91 212.0 109.9 329.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

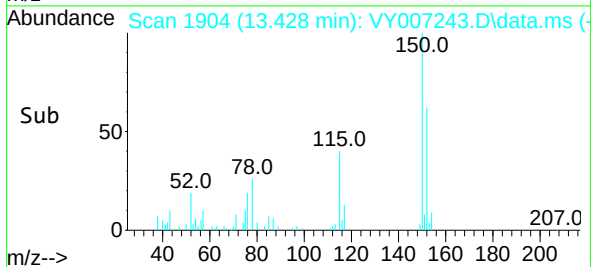
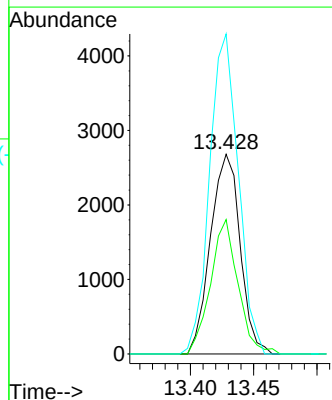
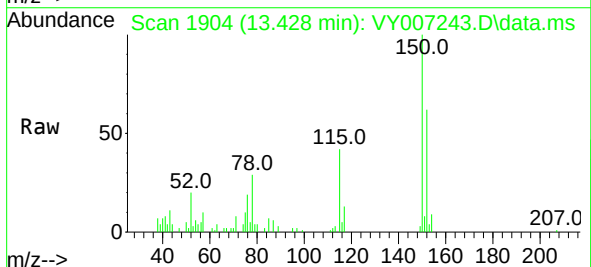
Tgt Ion:152 Resp: 4372

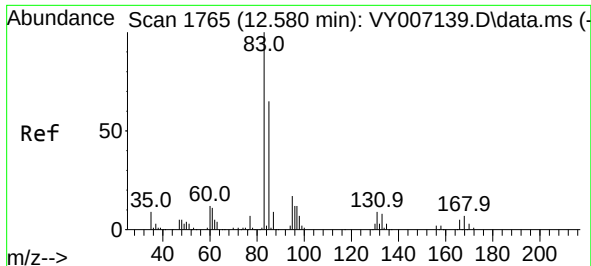
Ion Ratio Lower Upper

152 100

115 62.3 31.4 94.0

150 155.0 0.0 348.4

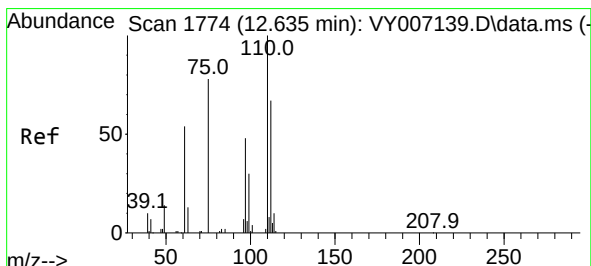
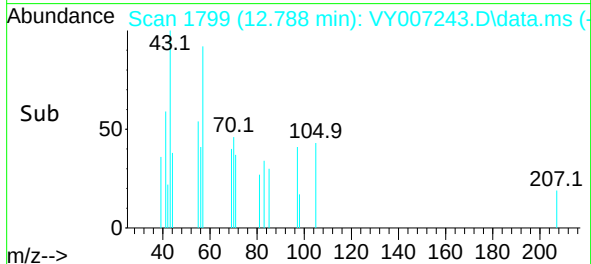
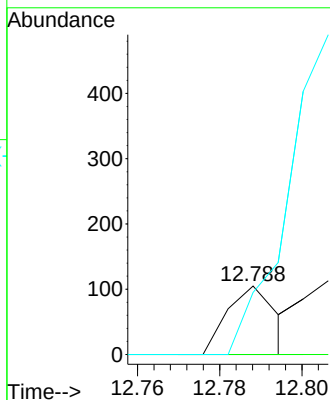
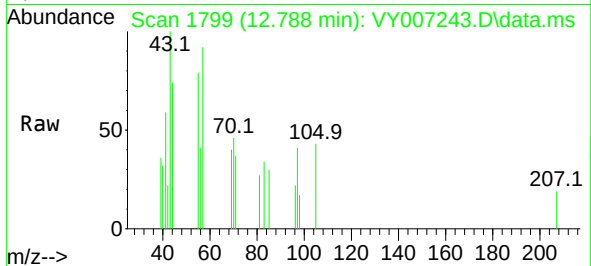




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.171 ug/l
 RT: 12.788 min Scan# 11
 Delta R.T. 0.208 min
 Lab File: VY007243.D
 Acq: 20 Jan 2022 16:01

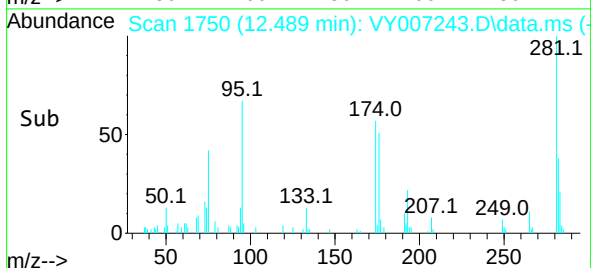
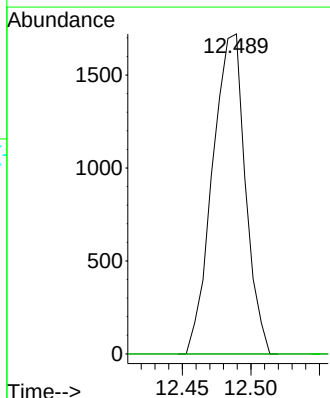
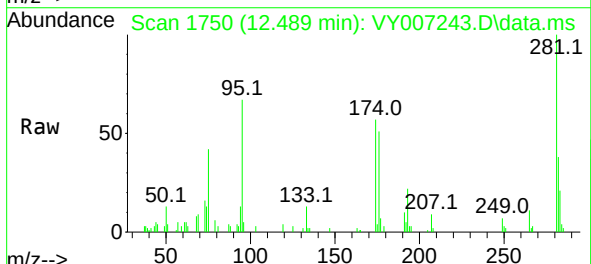
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-012022

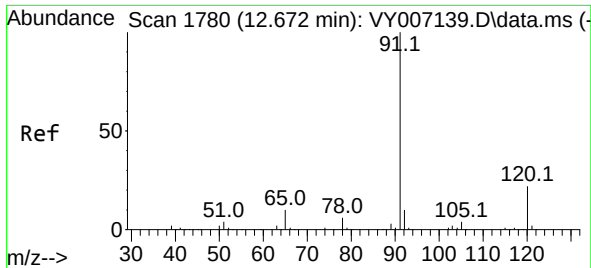
Tgt Ion: 83 Resp: 86
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 16.1#
 85 0.0 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 57.570 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.146 min
 Lab File: VY007243.D
 Acq: 20 Jan 2022 16:01

Tgt Ion: 75 Resp: 2870
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

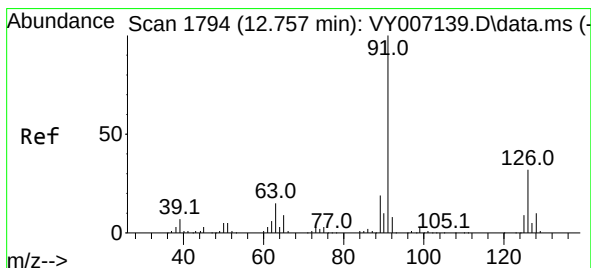
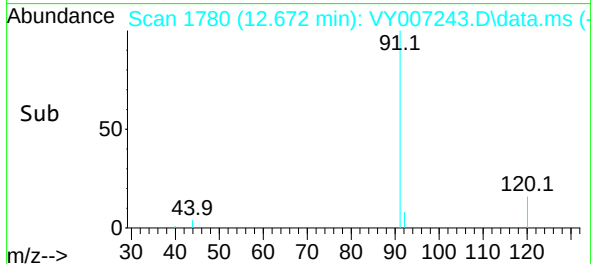
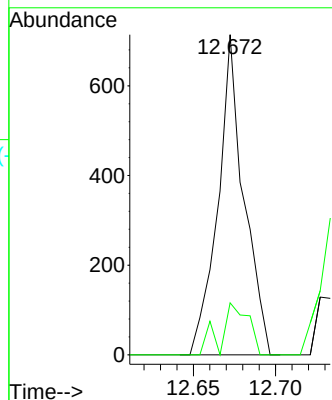
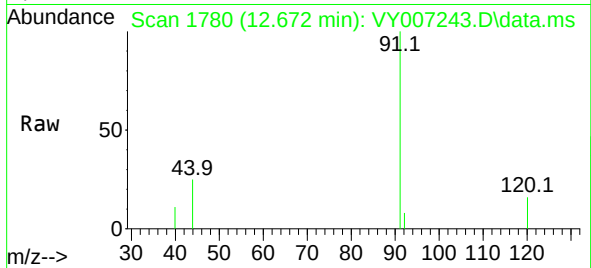




#78
n-propylbenzene
Concen: 1.675 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

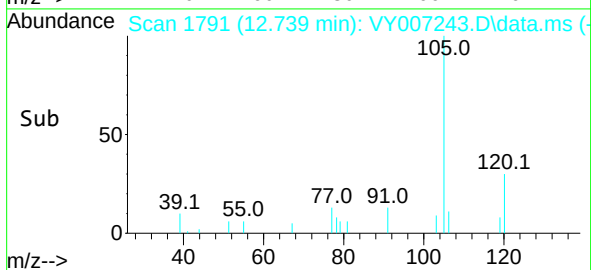
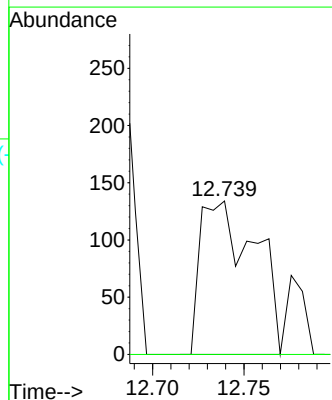
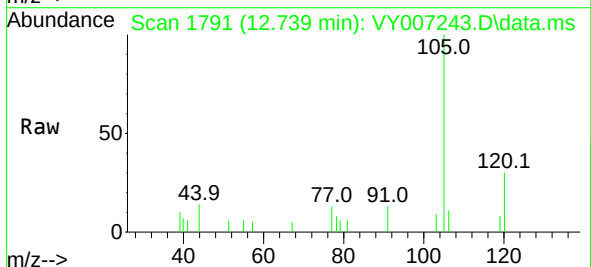
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

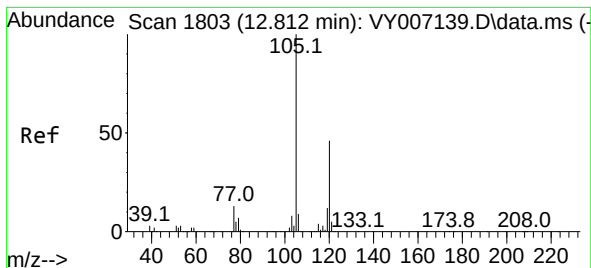
Tgt Ion: 91 Resp: 784
Ion Ratio Lower Upper
91 100
120 17.1 11.2 33.5



#79
2-Chlorotoluene
Concen: 1.072 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 91 Resp: 279
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#





#80

1,3,5-Trimethylbenzene

Concen: 3.922 ug/l

RT: 12.813 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

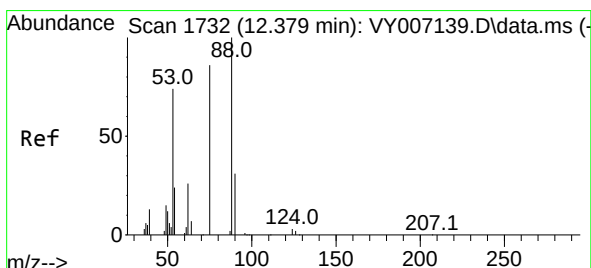
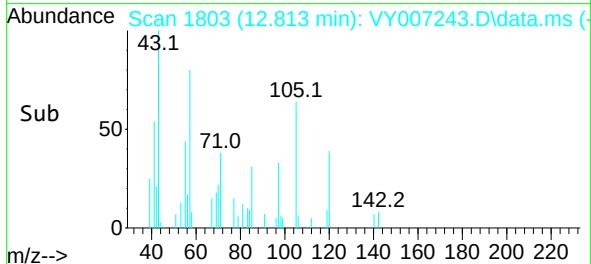
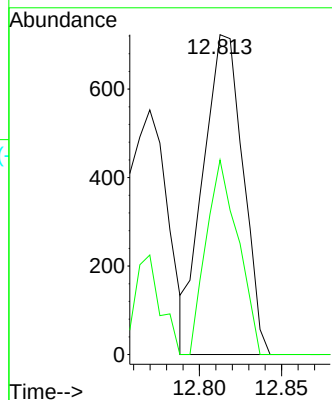
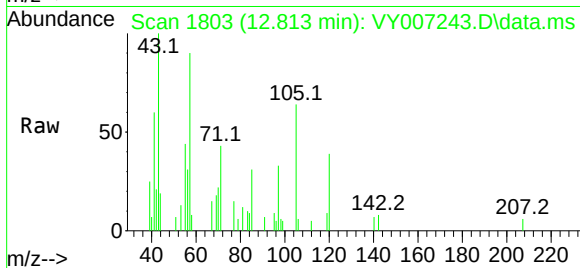
EO-02-012022

Tgt Ion:105 Resp: 1216

Ion Ratio Lower Upper

105 100

120 48.9 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 105.395 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

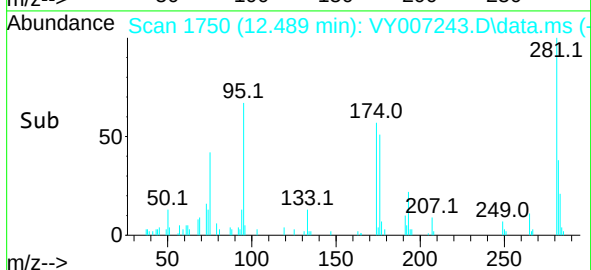
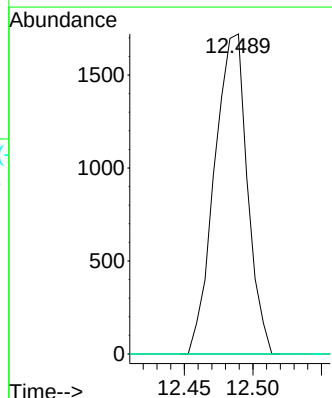
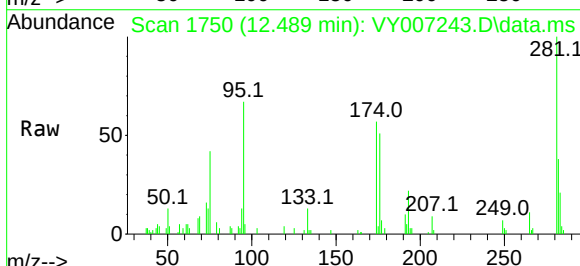
Tgt Ion: 75 Resp: 2870

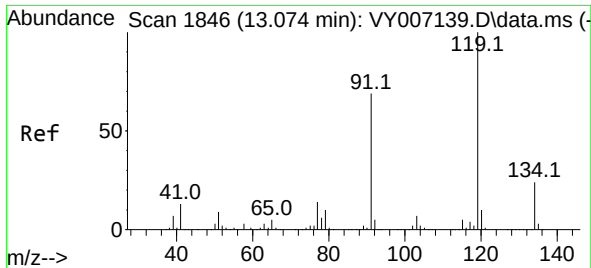
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 0.0 0.0

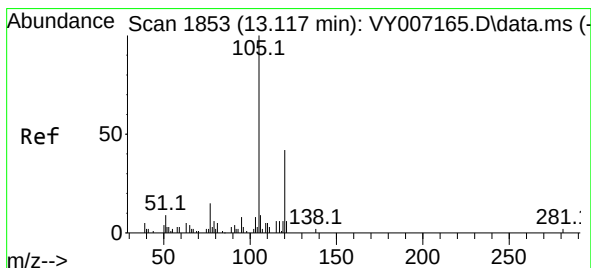
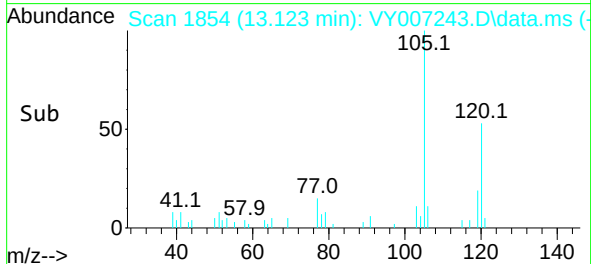
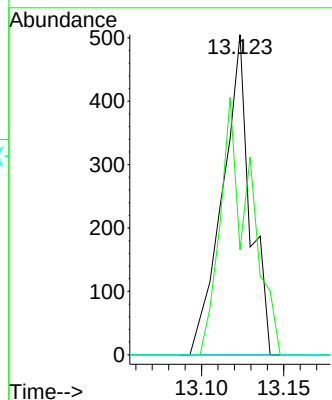
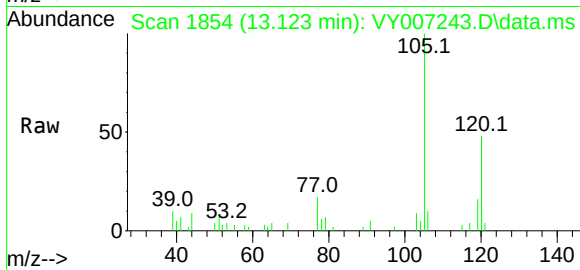




#83
tert-Butylbenzene
Concen: 2.199 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

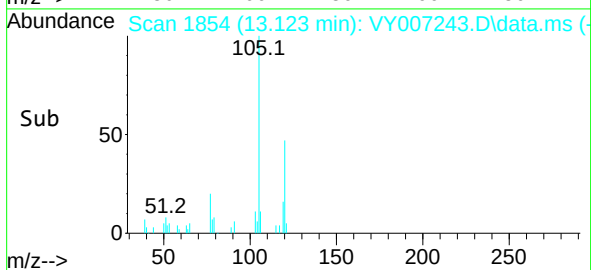
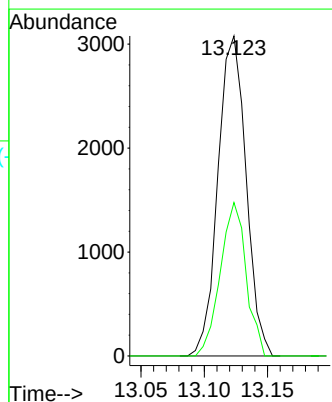
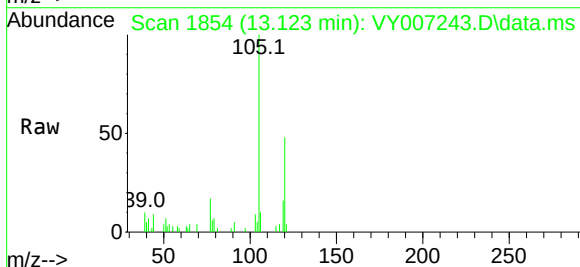
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

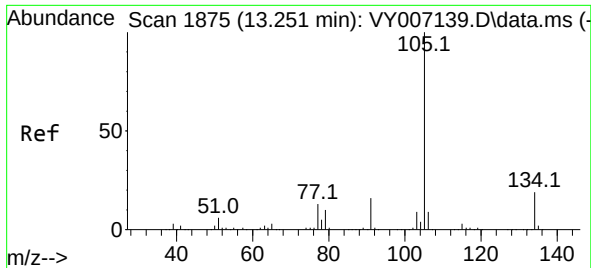
Tgt Ion:119 Resp: 589
Ion Ratio Lower Upper
119 100
91 86.2 33.1 99.5
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 15.469 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion:105 Resp: 4754
Ion Ratio Lower Upper
105 100
120 44.1 21.6 64.6

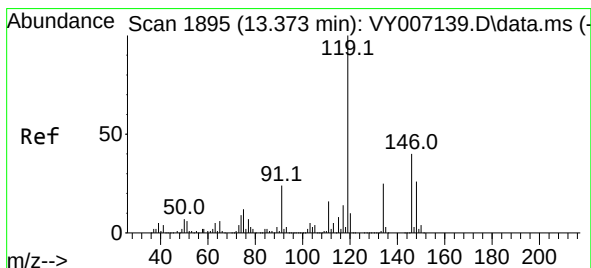
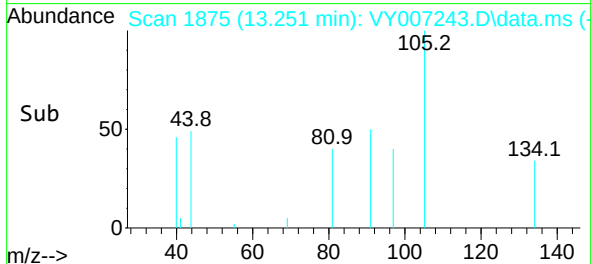
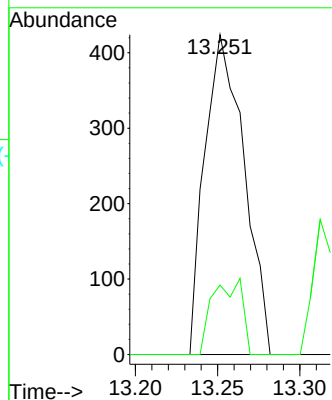
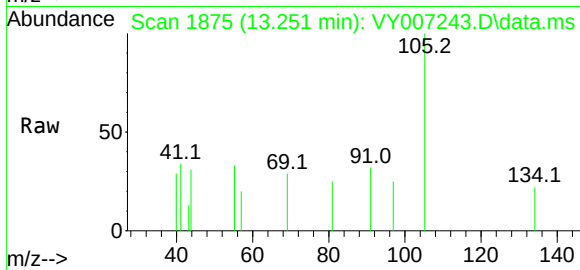




#85
 sec-Butylbenzene
 Concen: 1.759 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY007243.D
 Acq: 20 Jan 2022 16:01

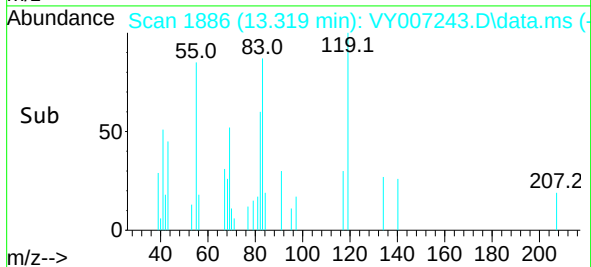
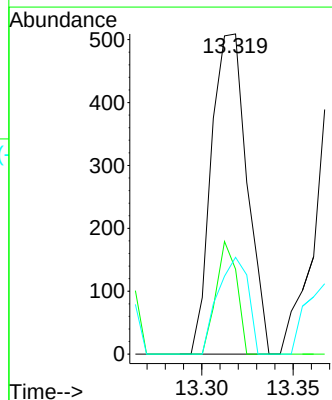
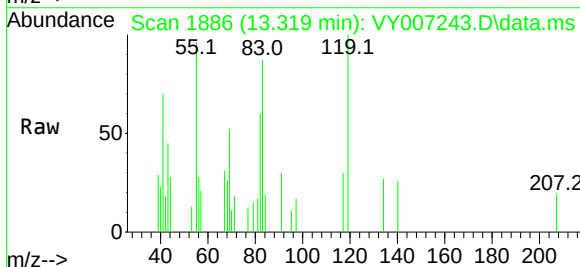
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-012022

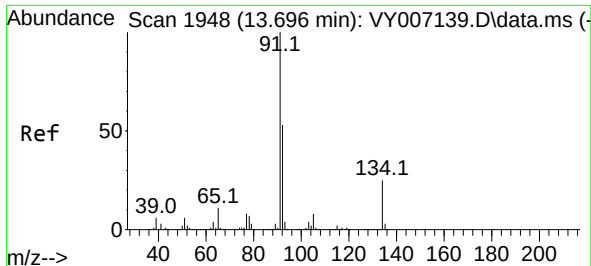
Tgt Ion:105 Resp: 705
 Ion Ratio Lower Upper
 105 100
 134 17.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 2.101 ug/l
 RT: 13.319 min Scan# 1886
 Delta R.T. -0.054 min
 Lab File: VY007243.D
 Acq: 20 Jan 2022 16:01

Tgt Ion:119 Resp: 692
 Ion Ratio Lower Upper
 119 100
 134 20.5 12.9 38.7
 91 25.6 12.4 37.2





#89

n-Butylbenzene

Concen: 6.814 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.007 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

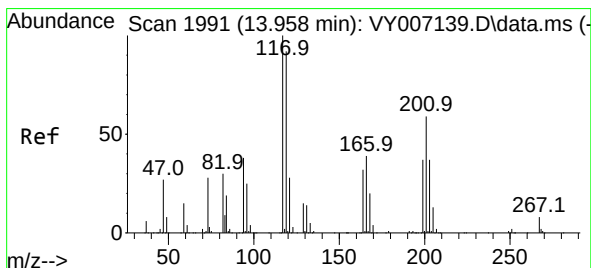
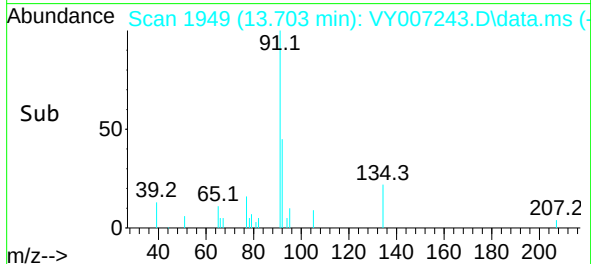
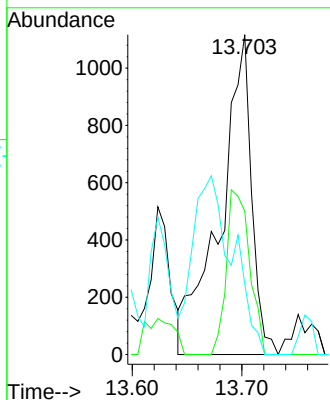
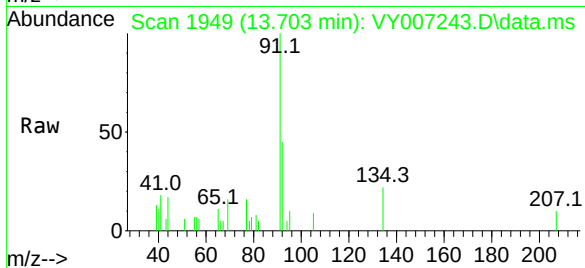
Instrument :

MSVOA_Y

ClientSampleId :

EO-02-012022

Tgt Ion: 91	Resp:	2210
Ion	Ratio	Lower Upper
91	100	
92	38.4	26.9 80.6
134	0.0	12.6 37.6



#90

Hexachloroethane

Concen: 4.115 ug/l

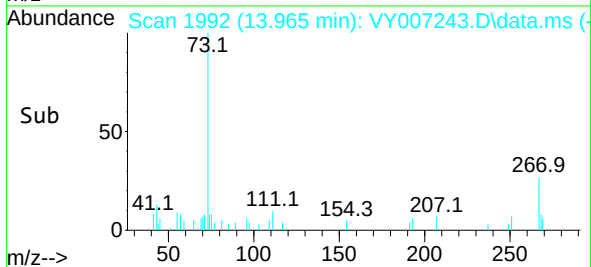
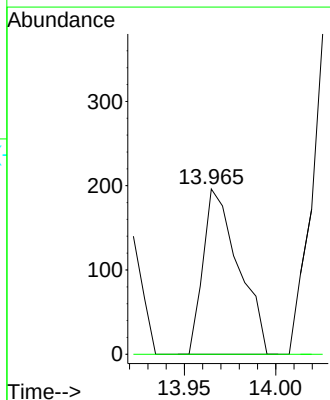
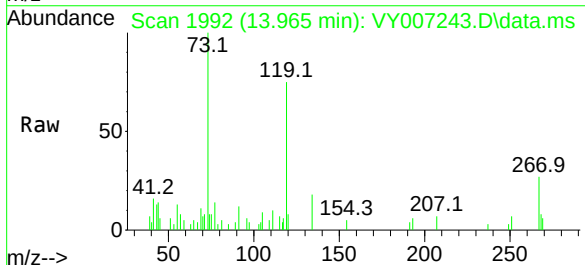
RT: 13.965 min Scan# 1992

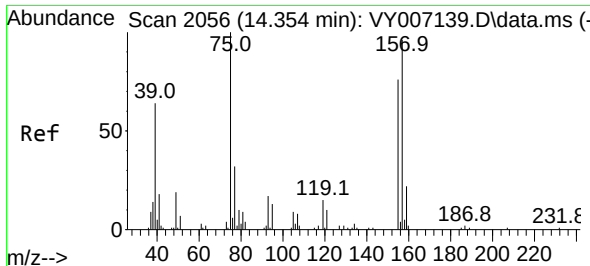
Delta R.T. 0.007 min

Lab File: VY007243.D

Acq: 20 Jan 2022 16:01

Tgt Ion: 117	Resp:	265
Ion	Ratio	Lower Upper
117	100	
201	0.0	33.6 100.6

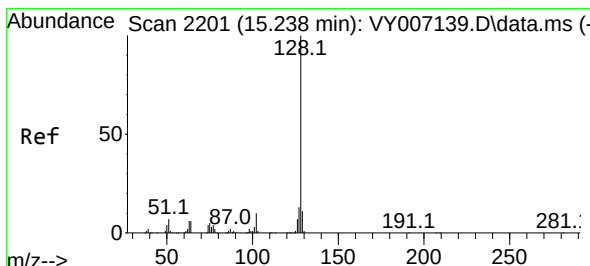
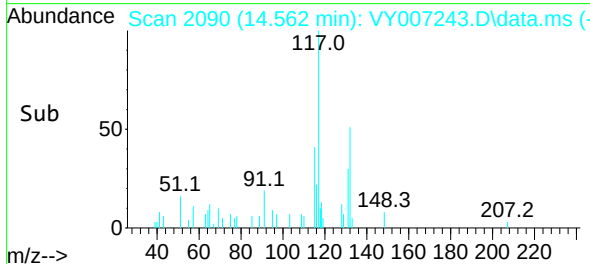
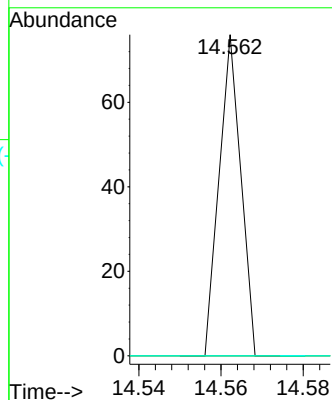
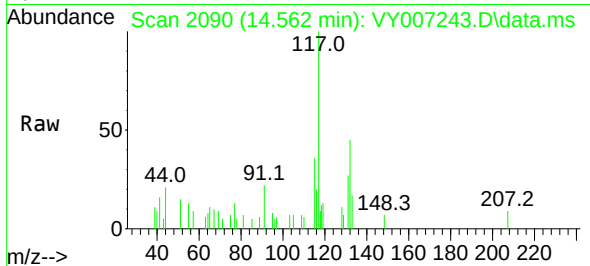




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.208 ug/l
RT: 14.562 min Scan# 2056
Delta R.T. 0.208 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-012022

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 40.1 120.2#
157 0.0 51.7 155.2#



#95
Naphthalene
Concen: 2.976 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY007243.D
Acq: 20 Jan 2022 16:01

Tgt Ion: 128 Resp: 550
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.9 13.3#

