

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
 Data File : VY004603.D
 Acq On : 23 Apr 2021 14:25
 Operator : SY/MD
 Sample : M2142-01
 Misc : 7.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-04-042221

Quant Time: Apr 26 10:18:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

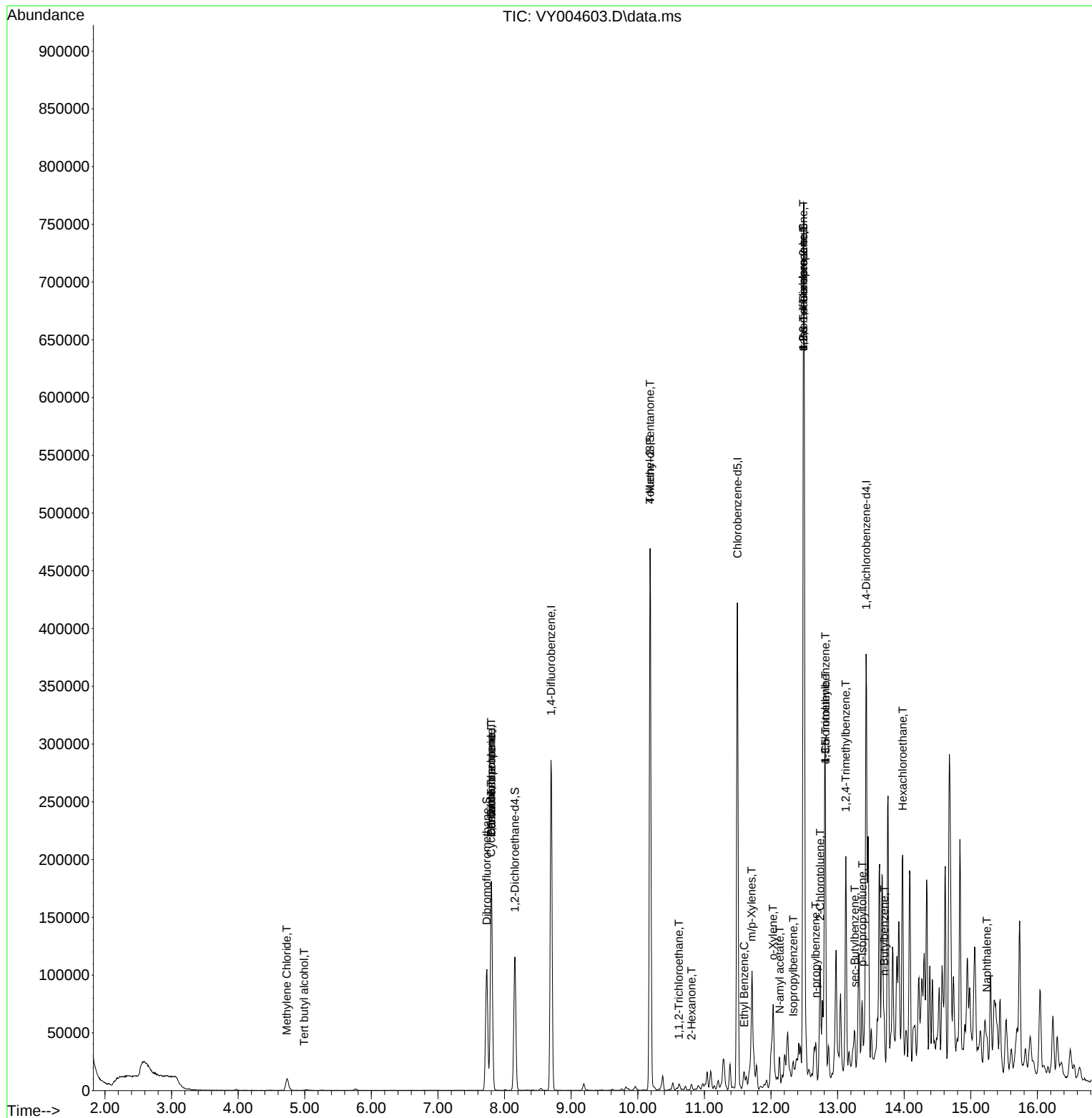
Internal Standards						
1) Pentafluorobenzene	7.801	168	133345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	231919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	211388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	88723	59.89	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.78%			
35) Dibromofluoromethane	7.734	113	72246	56.13	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.26%			
50) Toluene-d8	10.185	98	285728	52.19	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.38%			
62) 4-Bromofluorobenzene	12.483	95	93446	50.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.60%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.991	59	174	1.19	ug/l #	73
16) Acetone	3.973	43	1274	Below Cal		89
20) Methylene Chloride	4.729	84	6863	4.80	ug/l #	86
31) Cyclohexane	7.795	56	3952	1.46	ug/l #	31
36) 1,1-Dichloropropene	7.801	75	10958	4.75	ug/l #	51
38) Carbon Tetrachloride	7.801	117	13538	6.80	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	1836	1.27	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	1953	1.56	ug/l #	20
59) 2-Hexanone	10.807	43	2328	2.40	ug/l #	27
67) Ethyl Benzene	11.599	91	8228	1.02	ug/l	99
68) m/p-Xylenes	11.709	106	6750	2.25	ug/l	96
69) o-Xylene	12.032	106	14701	5.23	ug/l	98
73) Isopropylbenzene	12.337	105	7003	1.13	ug/l	100
74) N-amyl acetate	12.130	43	5466	2.63	ug/l #	73
76) 1,2,3-Trichloropropane	12.483	75	56271	65.58	ug/l #	100
78) n-propylbenzene	12.672	91	22474	3.08	ug/l	99
79) 2-Chlorotoluene	12.739	91	7252	1.82	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.819	105	66140	13.17	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	56271	117.32	ug/l #	12
82) 4-Chlorotoluene	12.819	91	8205	1.95	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.123	105	89911	17.74	ug/l	98
85) sec-Butylbenzene	13.258	105	16358	2.73	ug/l	80
86) p-Isopropyltoluene	13.373	119	13929	2.55	ug/l	98
89) n-Butylbenzene	13.703	91	18388	3.53	ug/l #	68
90) Hexachloroethane	13.977	117	6905	9.44	ug/l #	13
95) Naphthalene	15.239	128	9998	3.03	ug/l #	95

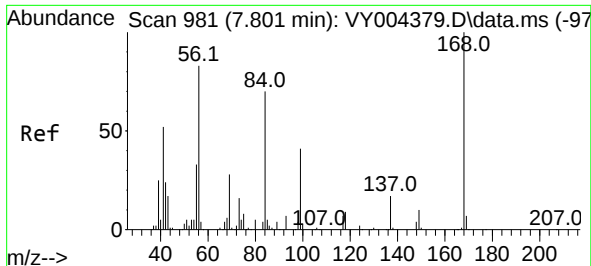
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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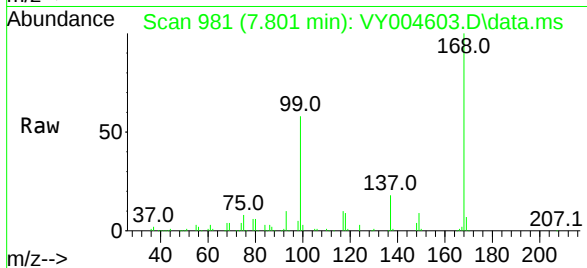
Quant Time: Apr 26 10:18:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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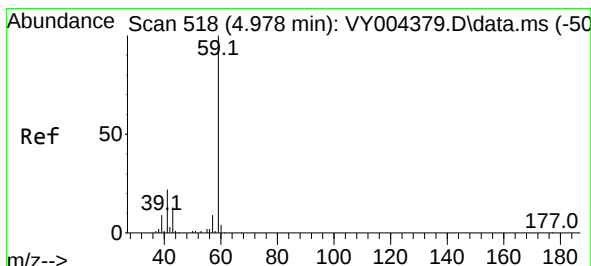
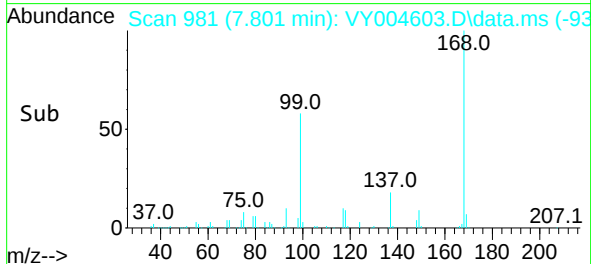
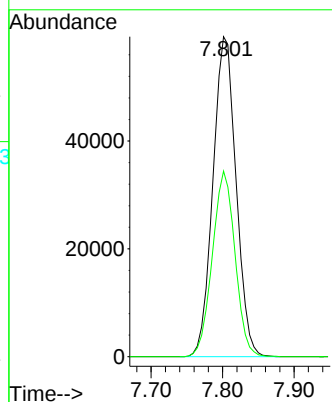


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

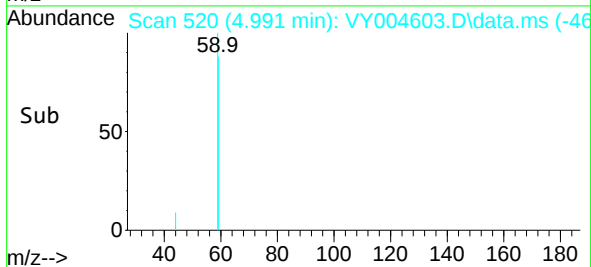
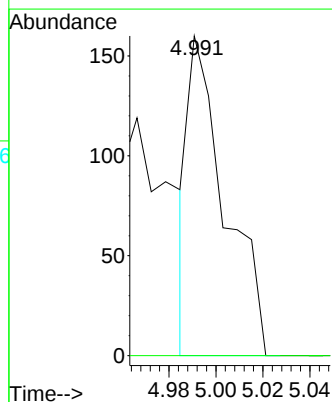
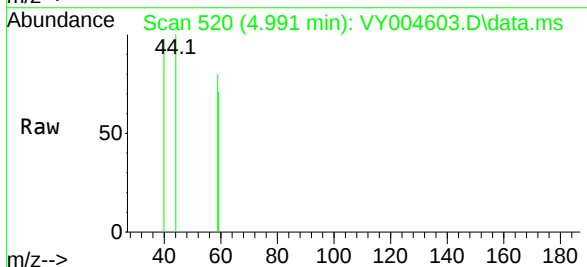


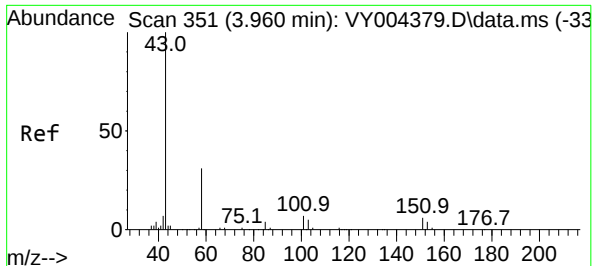
Tgt Ion:168 Resp: 133345
Ion Ratio Lower Upper
168 100
99 58.0 45.5 68.3



#11
Tert butyl alcohol
Concen: 1.19 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.013 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

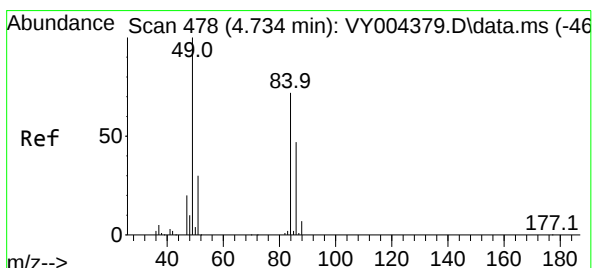
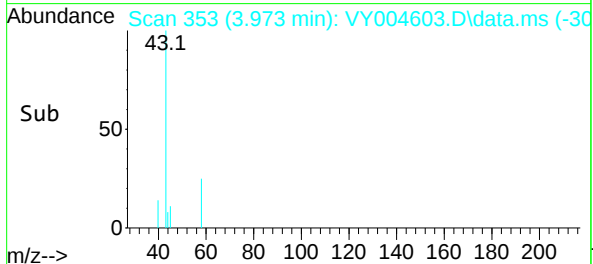
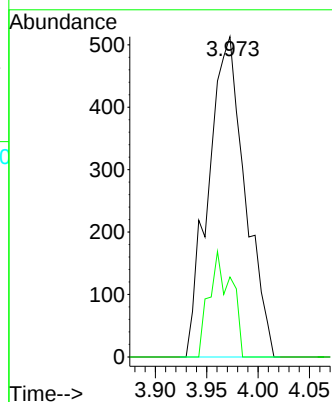
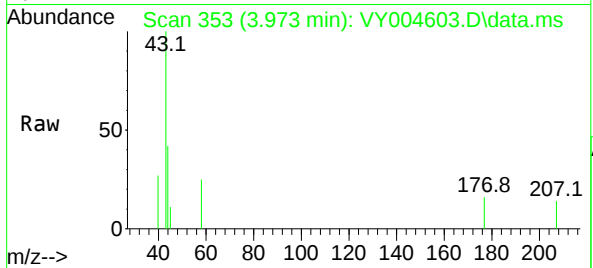




#16
Acetone
Concen: Below Cal
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

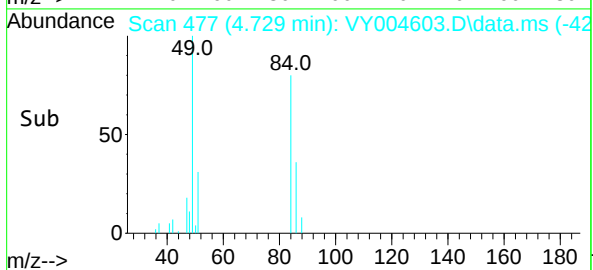
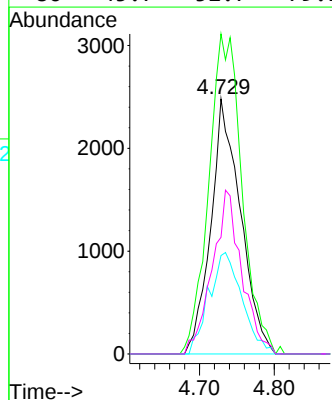
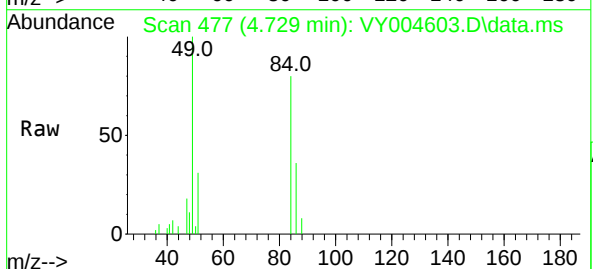
Instrument :
MSVOA_Y
ClientSampled :
EO-04-042221

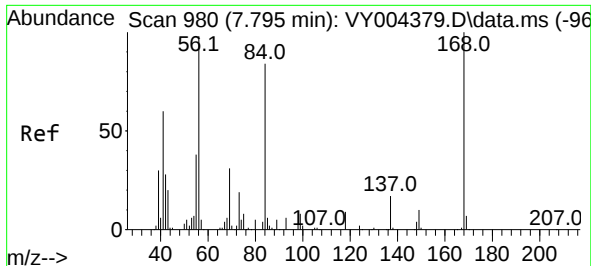
Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
58 25.0 24.6 37.0



#20
Methylene Chloride
Concen: 4.80 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 84 Resp: 6863
Ion Ratio Lower Upper
84 100
49 125.4 111.2 166.8
51 38.6 33.4 50.2
86 45.7 52.7 79.1#

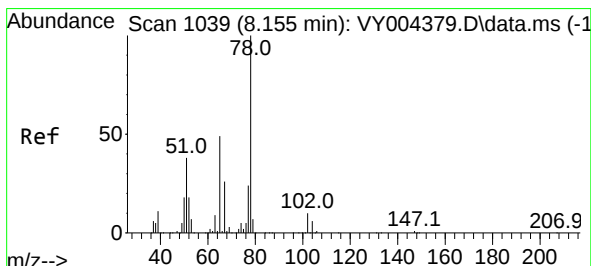
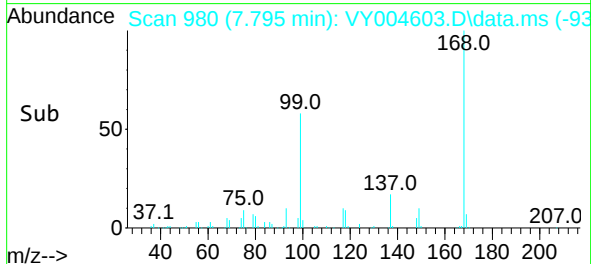
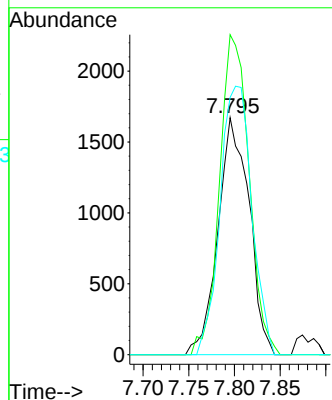
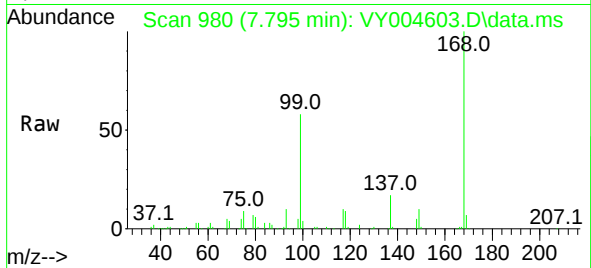




#31
Cyclohexane
Concen: 1.46 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

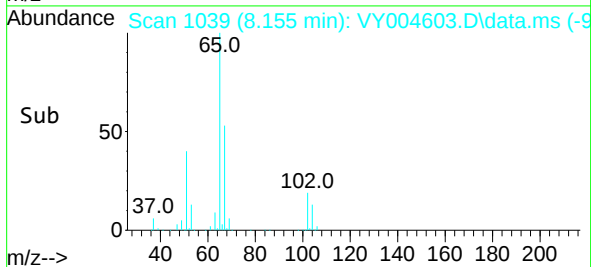
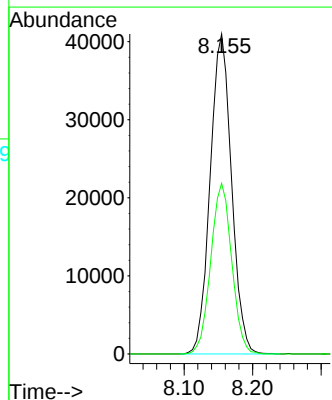
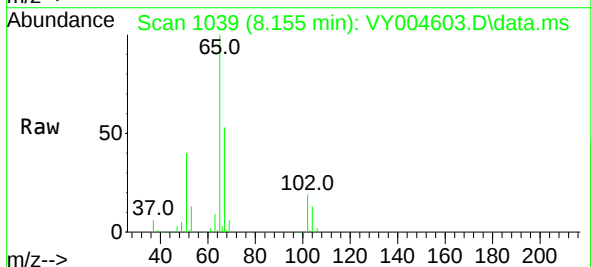
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

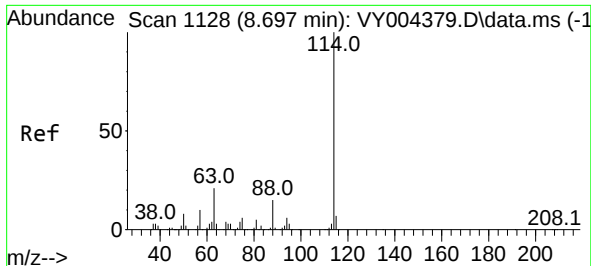
Tgt Ion: 56 Resp: 3952
Ion Ratio Lower Upper
56 100
69 135.1 25.8 38.6#
84 108.6 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 59.89 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 65 Resp: 88723
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.4

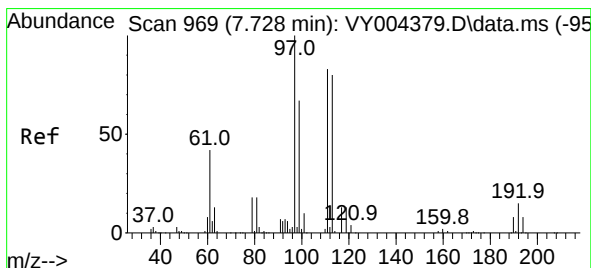
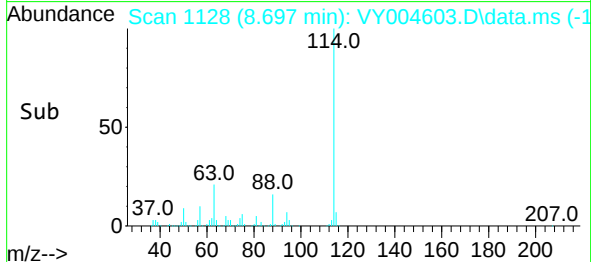
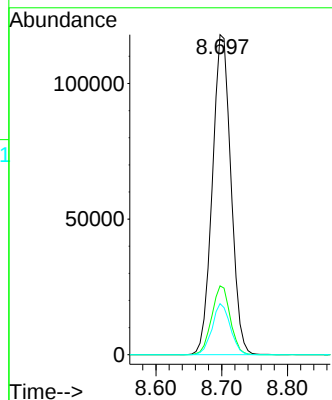
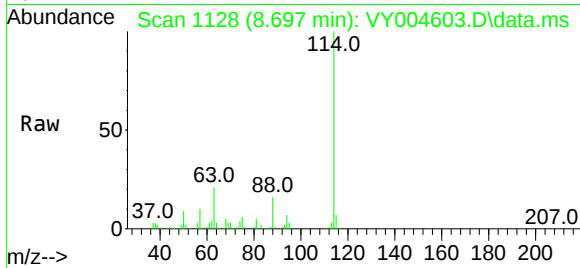




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

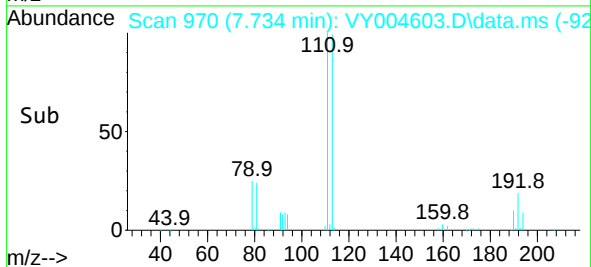
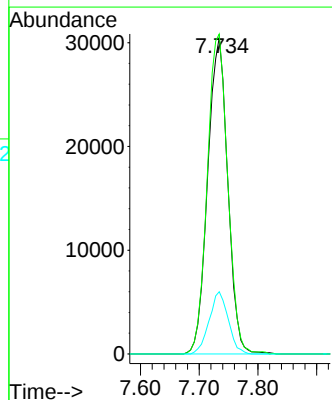
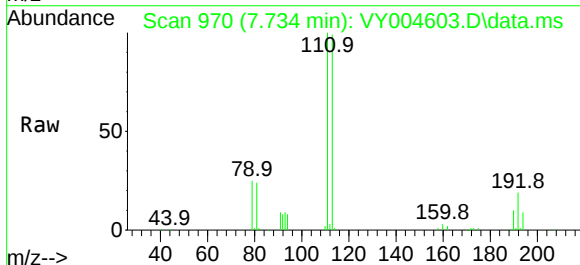
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

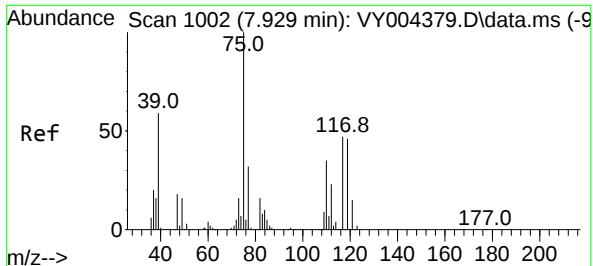
Tgt Ion:	114	Resp:	231919
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	42.4
88	15.9	0.0	30.8



#35
Dibromofluoromethane
Concen: 56.13 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion:	113	Resp:	72246
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.6	123.8
192	18.7	16.1	24.1





#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 7.801 min Scan# 981

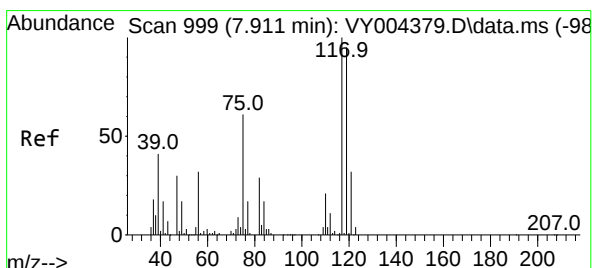
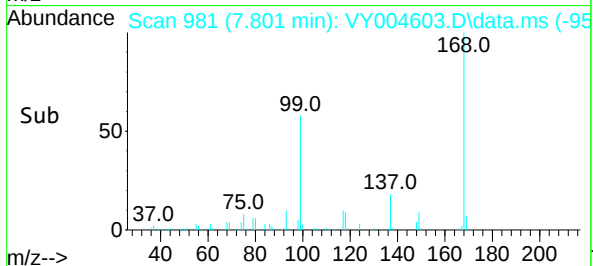
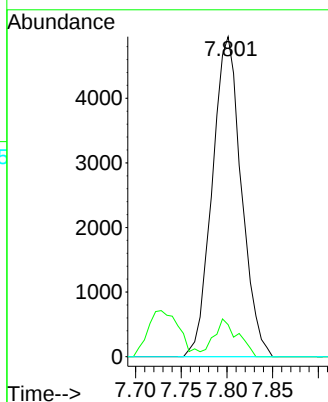
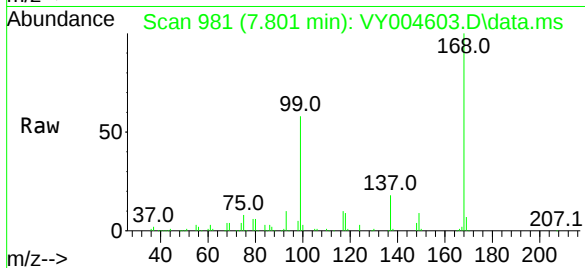
Delta R.T. -0.128 min

Lab File: VY004603.D

Acq: 23 Apr 2021 14:25

Tgt Ion: 75	Resp: 10958
Ion Ratio	Lower Upper
75	100
110	9.6 17.3 51.7#
77	0.0 24.3 36.5#

Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221



#38

Carbon Tetrachloride

Concen: 6.80 ug/l

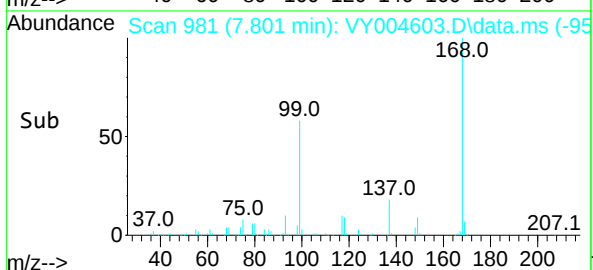
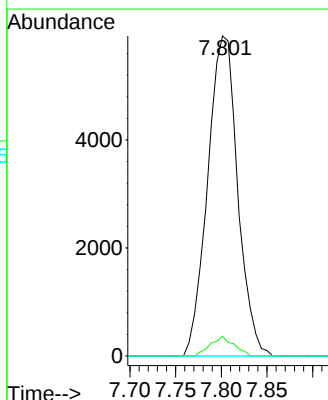
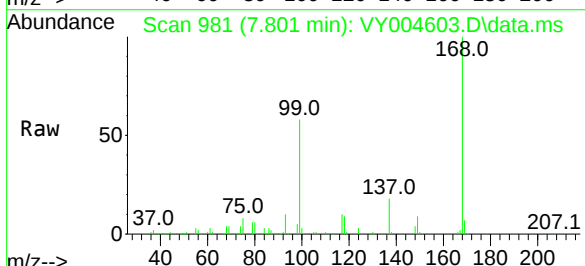
RT: 7.801 min Scan# 981

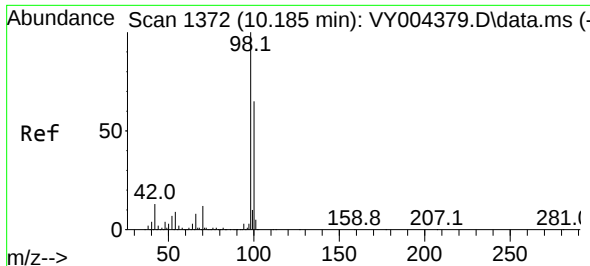
Delta R.T. -0.109 min

Lab File: VY004603.D

Acq: 23 Apr 2021 14:25

Tgt Ion: 117	Resp: 13538
Ion Ratio	Lower Upper
117	100
119	6.1 75.8 113.8#
121	0.0 25.3 37.9#

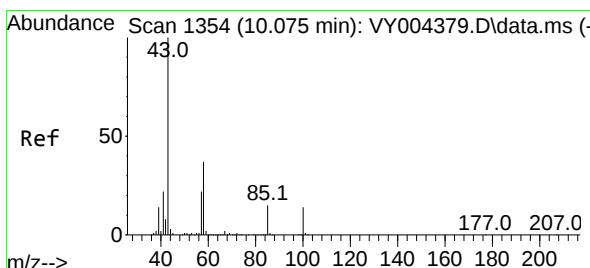
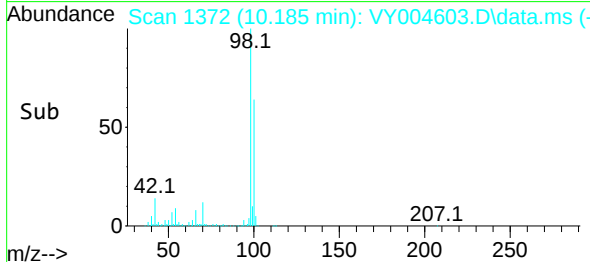
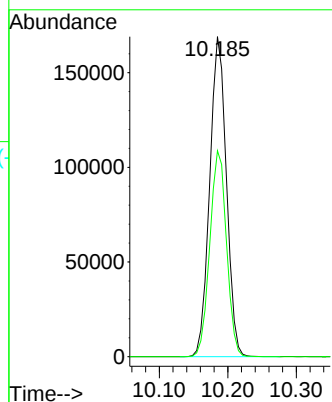
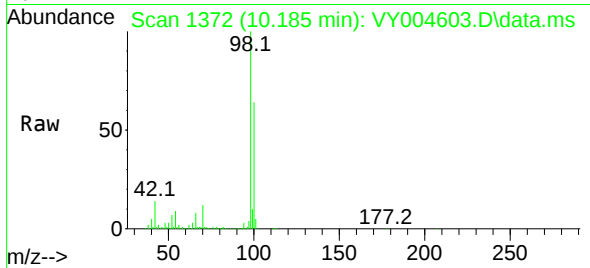




#50
Toluene-d8
Concen: 52.19 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

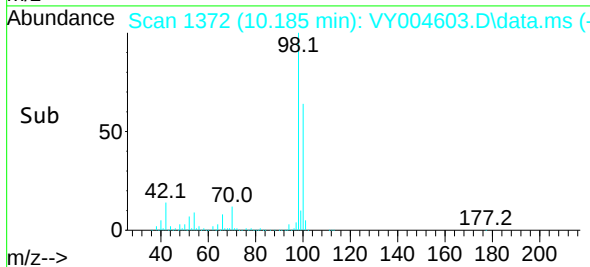
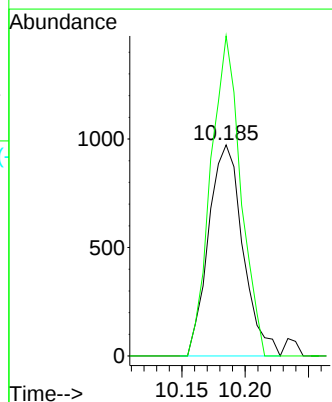
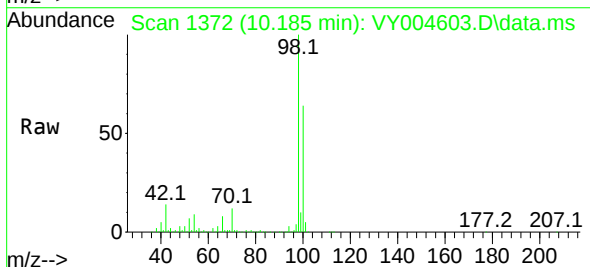
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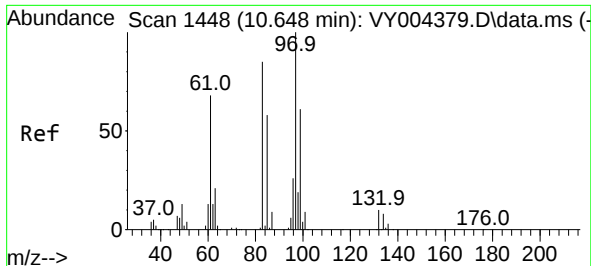
Tgt Ion: 98 Resp: 285728
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
58 132.1 29.2 43.8#

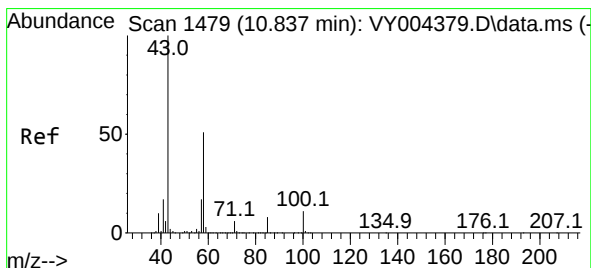
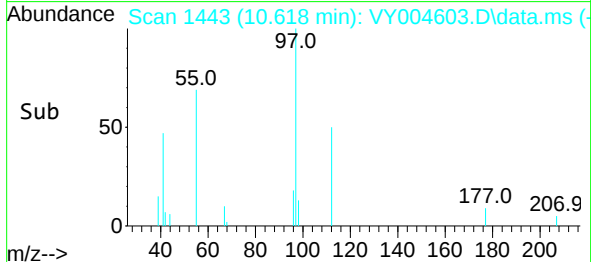
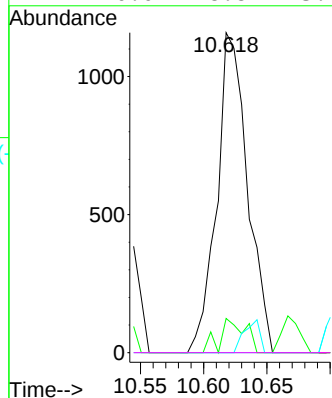
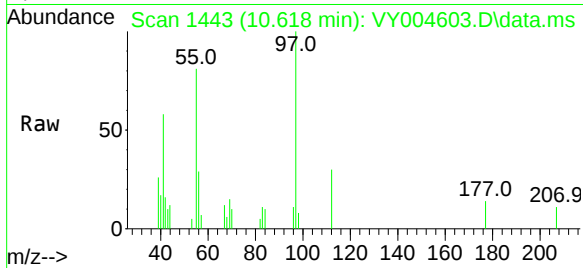




#55
1,1,2-Trichloroethane
Concen: 1.56 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

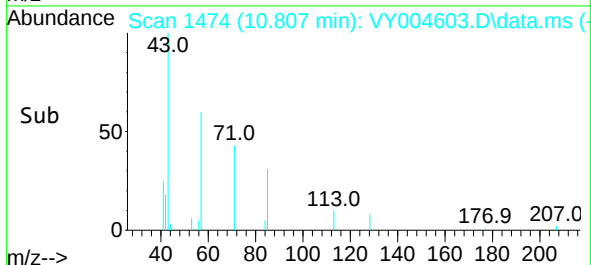
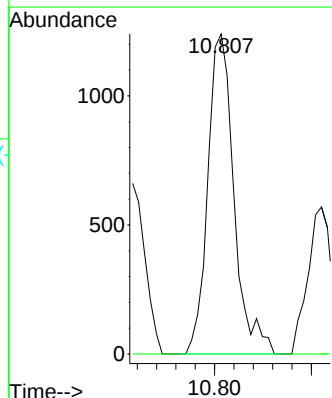
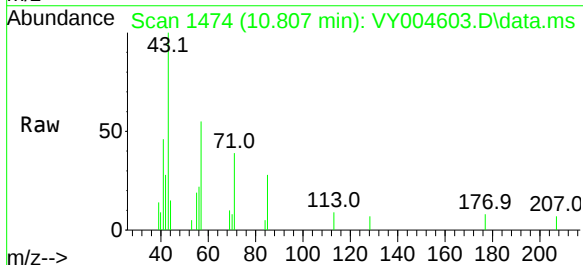
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

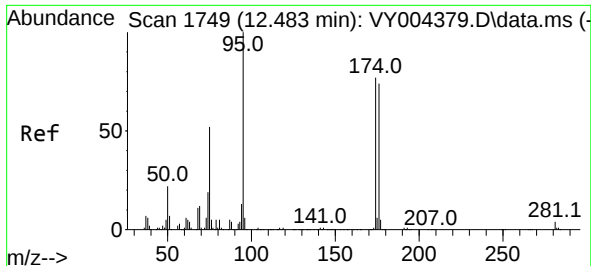
Tgt Ion: 97	Resp: 1953
Ion Ratio	Lower Upper
97 100	
83 10.7	68.4 102.6#
85 0.0	46.2 69.4#
99 0.0	48.8 73.2#



#59
2-Hexanone
Concen: 2.40 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 43	Resp: 2328
Ion Ratio	Lower Upper
43 100	
58 0.0	25.4 76.4#

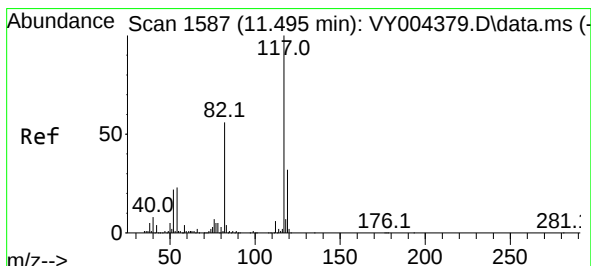
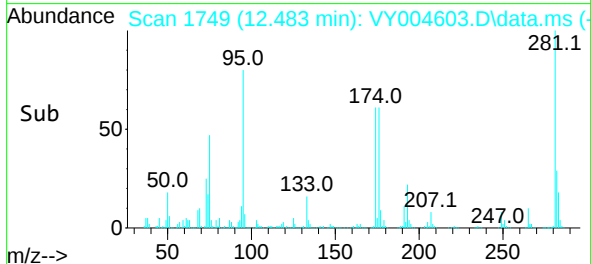
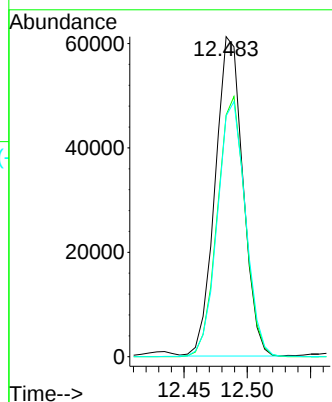
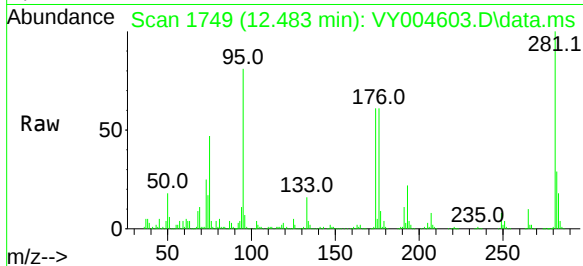




#62
4-Bromofluorobenzene
Concen: 50.30 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

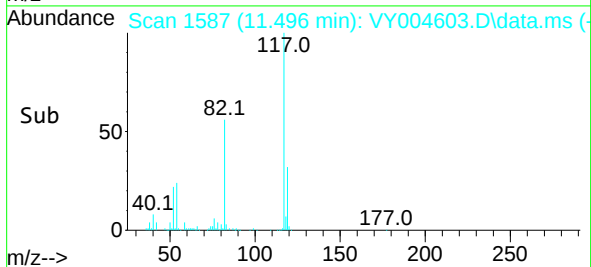
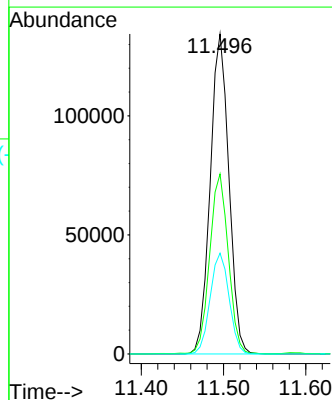
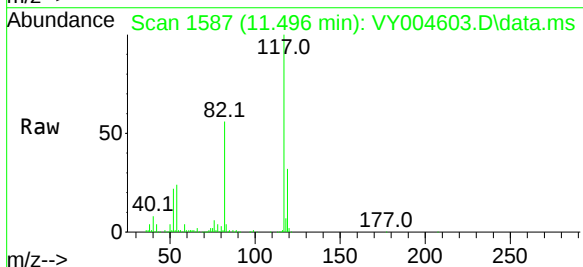
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

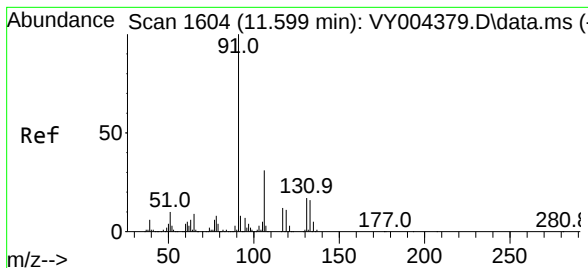
Tgt Ion:	95	Resp:	93446
Ion Ratio	Lower	Upper	
95	100		
174	81.2	0.0	162.4
176	81.0	0.0	156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion:	117	Resp:	211388
Ion Ratio	Lower	Upper	
117	100		
82	56.2	44.9	67.3
119	31.5	25.4	38.0

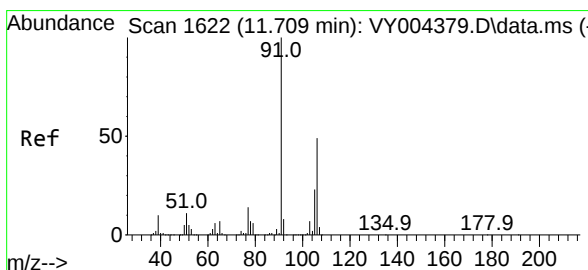
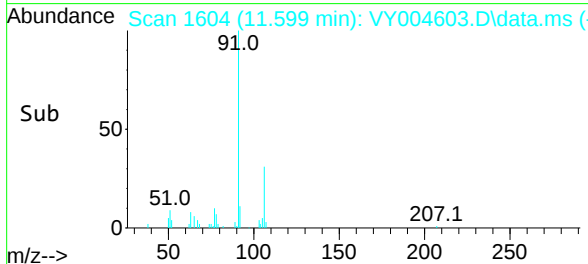
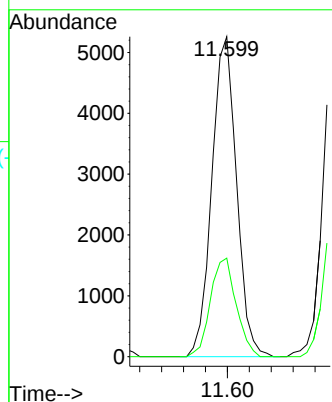
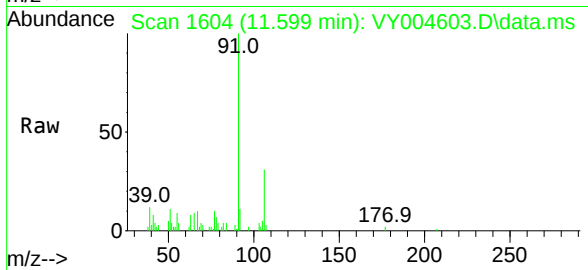




#67
Ethyl Benzene
Concen: 1.02 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

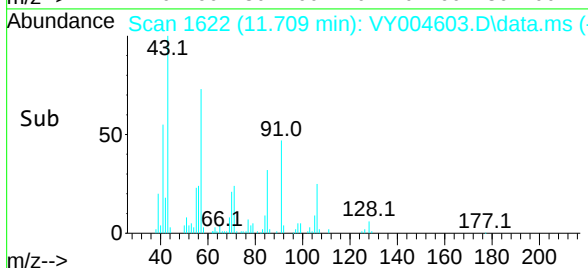
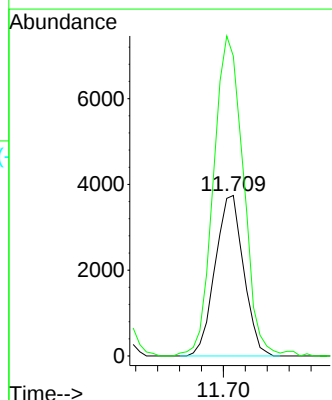
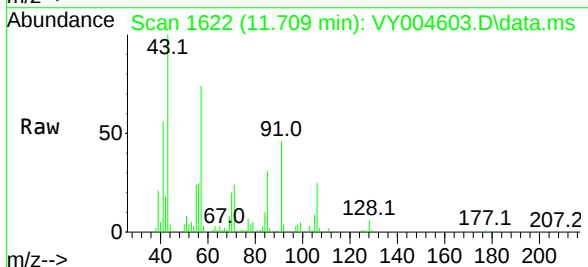
Instrument :
MSVOA_Y
ClientSampled :
EO-04-042221

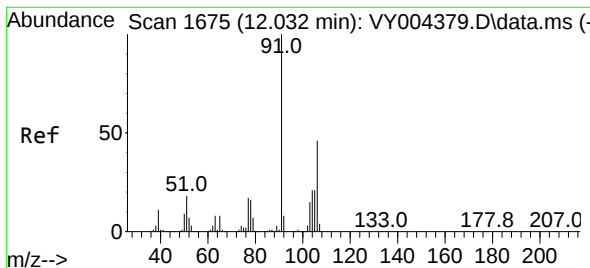
Tgt Ion: 91 Resp: 8228
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7



#68
m/p-Xylenes
Concen: 2.25 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 106 Resp: 6750
Ion Ratio Lower Upper
106 100
91 209.8 163.2 244.8





#69

o-Xylene

Concen: 5.23 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY004603.D

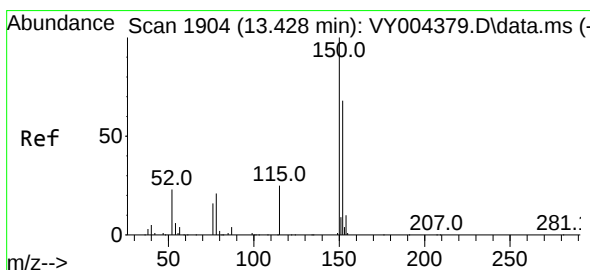
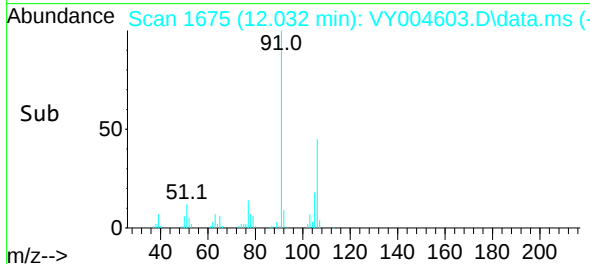
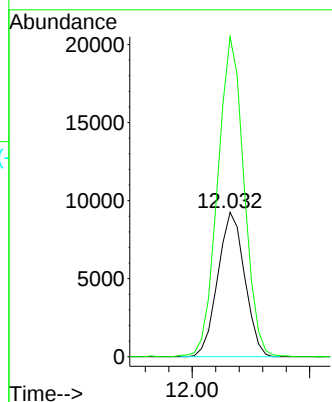
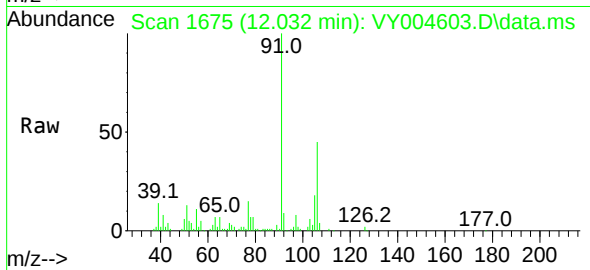
Acq: 23 Apr 2021 14:25

Tgt Ion:106 Resp: 14701

Ion Ratio Lower Upper

106 100

91 217.4 107.4 322.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY004603.D

Acq: 23 Apr 2021 14:25

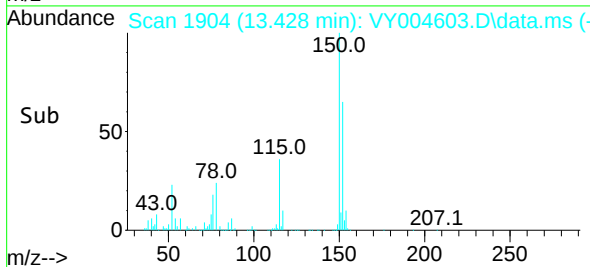
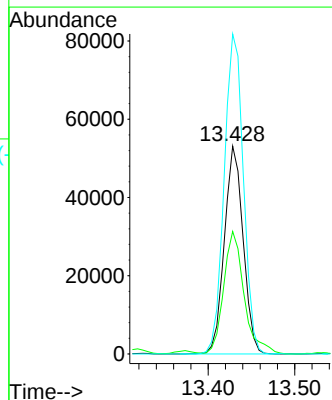
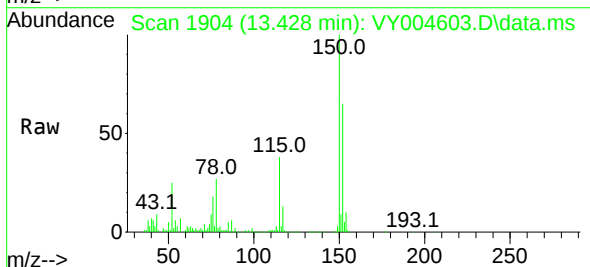
Tgt Ion:152 Resp: 79945

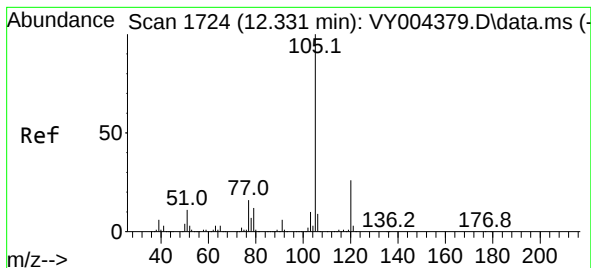
Ion Ratio Lower Upper

152 100

115 64.5 29.6 88.8

150 157.3 0.0 348.4





#73

Isopropylbenzene

Concen: 1.13 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY004603.D

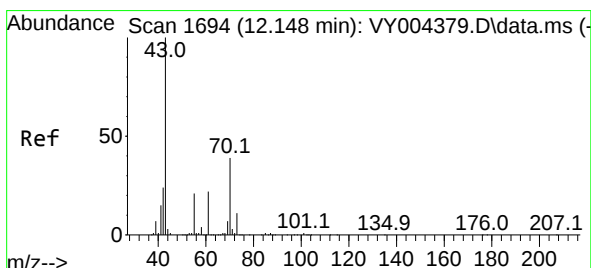
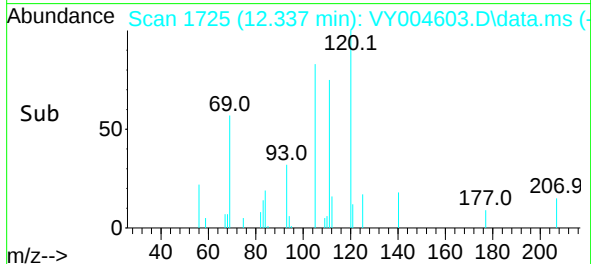
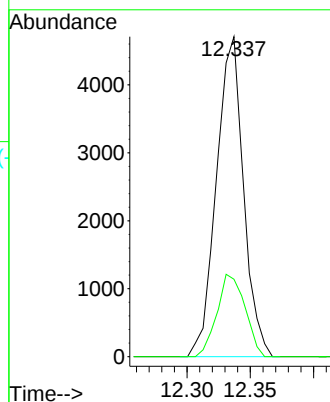
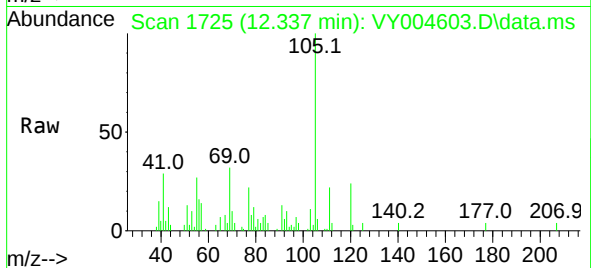
Acq: 23 Apr 2021 14:25

Tgt Ion: 105 Resp: 7003

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 2.63 ug/l

RT: 12.130 min Scan# 1691

Delta R.T. -0.018 min

Lab File: VY004603.D

Acq: 23 Apr 2021 14:25

Tgt Ion: 43 Resp: 5466

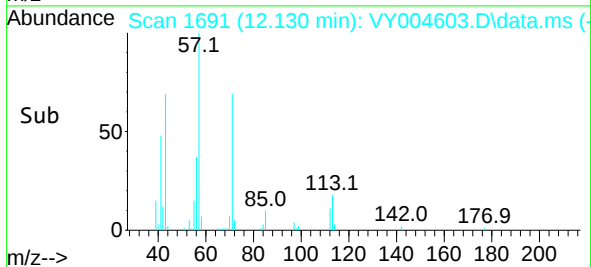
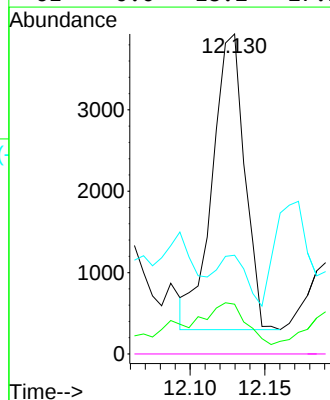
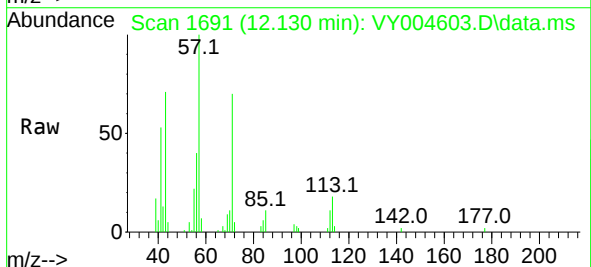
Ion Ratio Lower Upper

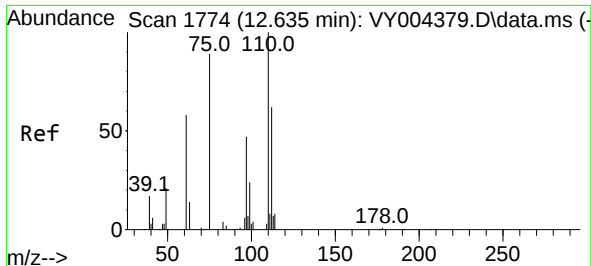
43 100

70 23.9 30.4 45.6#

55 15.3 17.4 26.0#

61 0.0 18.2 27.2#

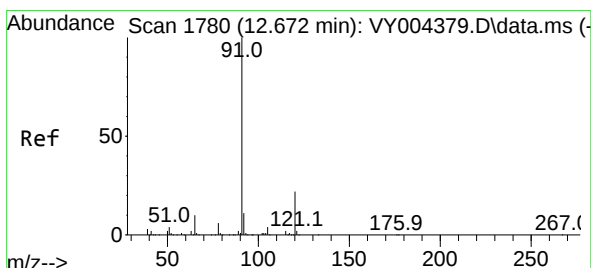
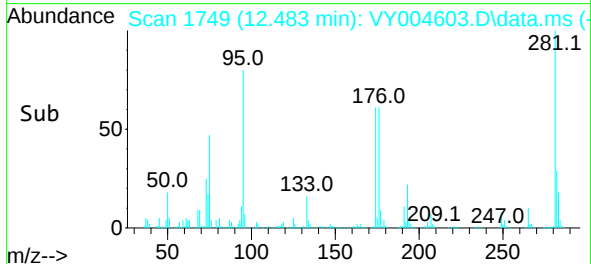
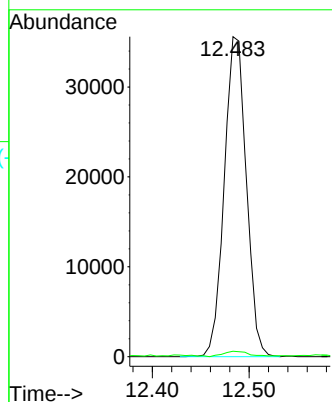
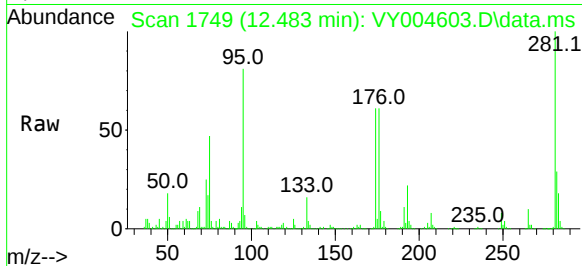




#76
1,2,3-Trichloropropane
Concen: 65.58 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

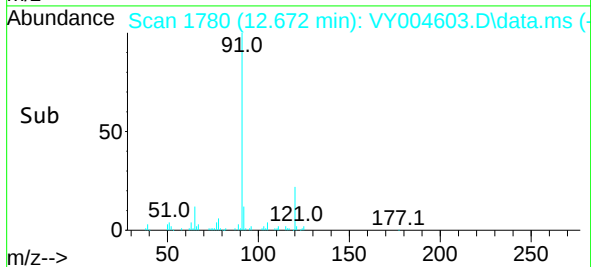
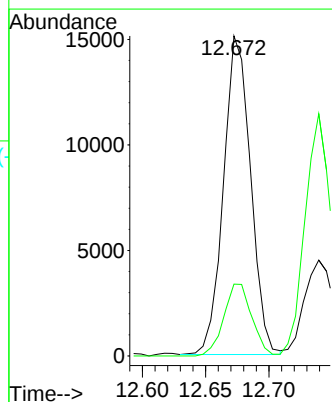
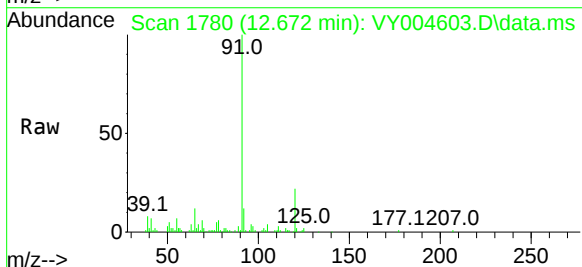
Instrument :
MSVOA_Y
ClientSampled :
EO-04-042221

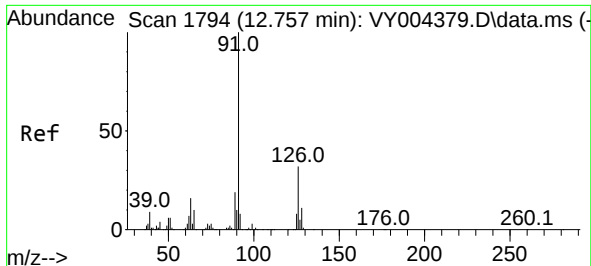
Tgt Ion: 75 Resp: 56271
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#78
n-propylbenzene
Concen: 3.08 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 91 Resp: 22474
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.4

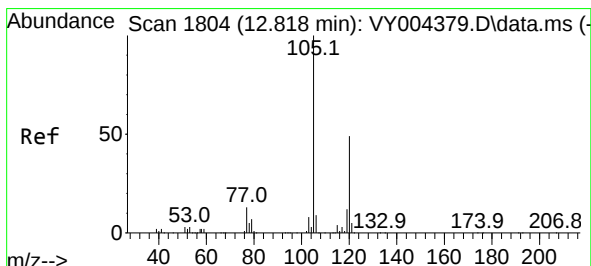
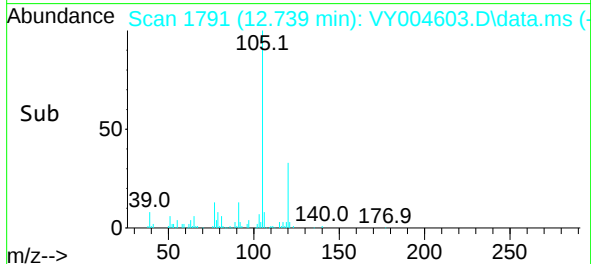
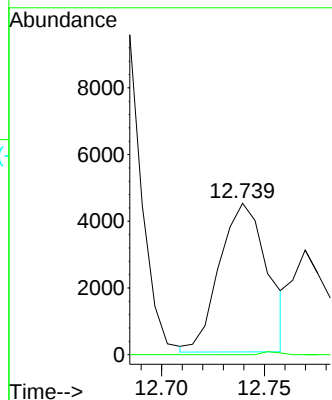
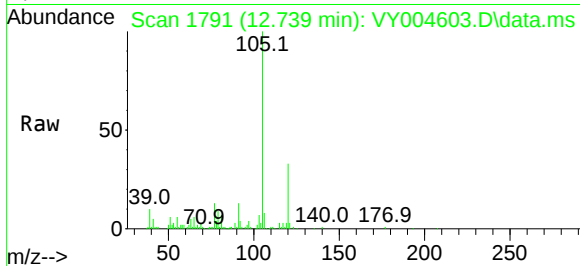




#79
2-Chlorotoluene
Concen: 1.82 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

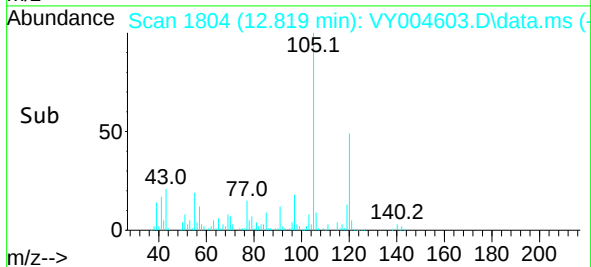
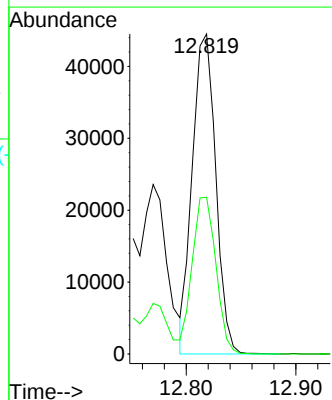
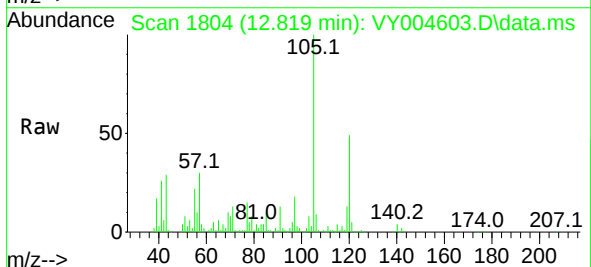
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

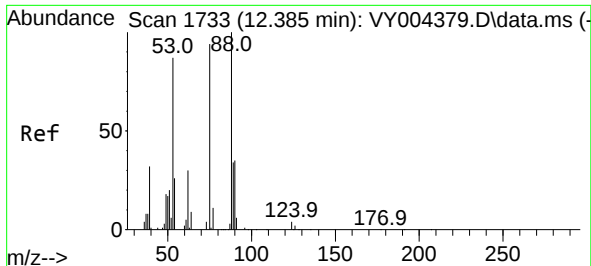
Tgt Ion: 91 Resp: 7252
Ion Ratio Lower Upper
91 100
126 0.7 16.7 50.1#



#80
1,3,5-Trimethylbenzene
Concen: 13.17 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 105 Resp: 66140
Ion Ratio Lower Upper
105 100
120 50.7 24.6 74.0

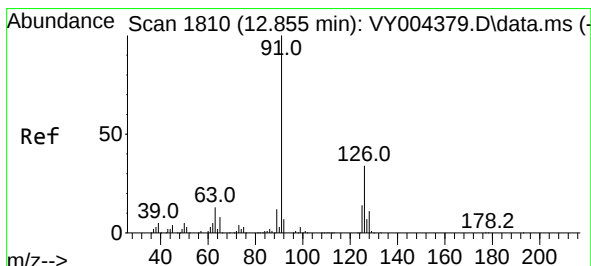
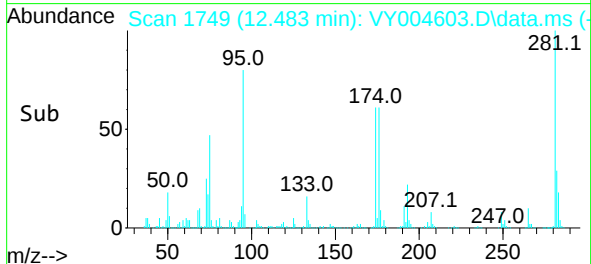
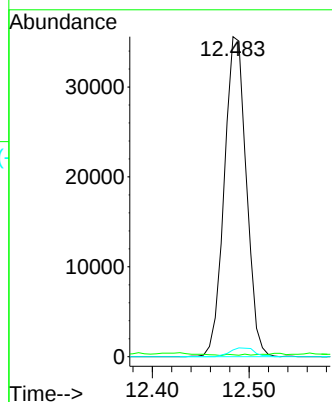
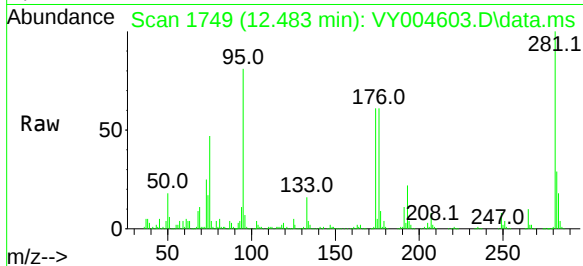




#81
trans-1,4-Dichloro-2-butene
Concen: 117.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

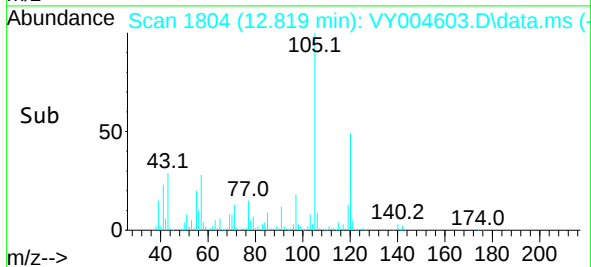
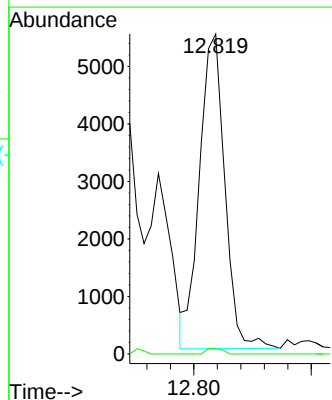
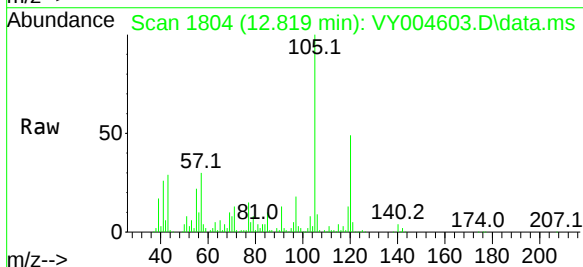
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

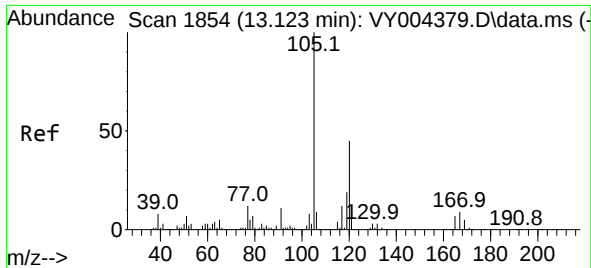
Tgt Ion: 75 Resp: 56271
Ion Ratio Lower Upper
75 100
53 0.2 75.0 112.6#
89 0.0 36.1 54.1#



#82
4-Chlorotoluene
Concen: 1.95 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.036 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion: 91 Resp: 8205
Ion Ratio Lower Upper
91 100
126 1.1 16.9 50.7#

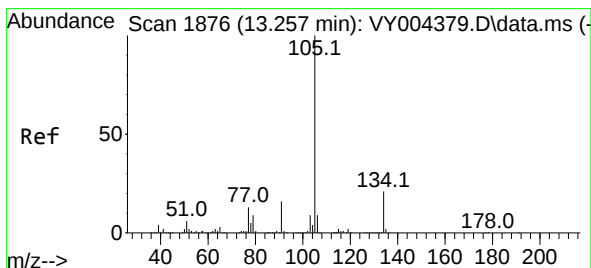
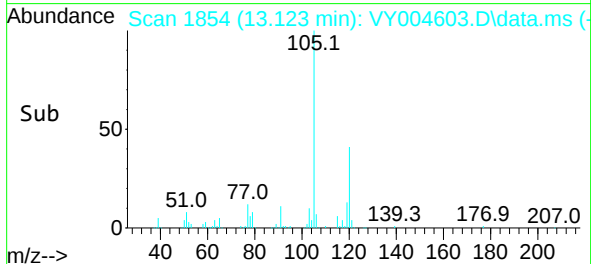
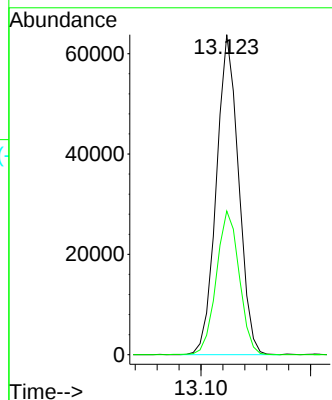
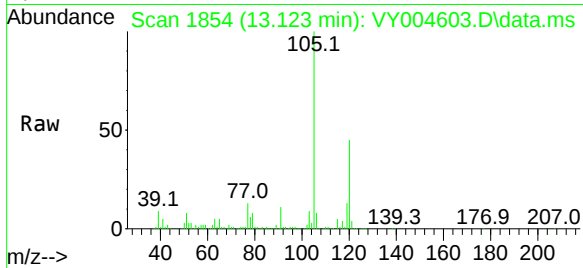




#84
1,2,4-Trimethylbenzene
Concen: 17.74 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

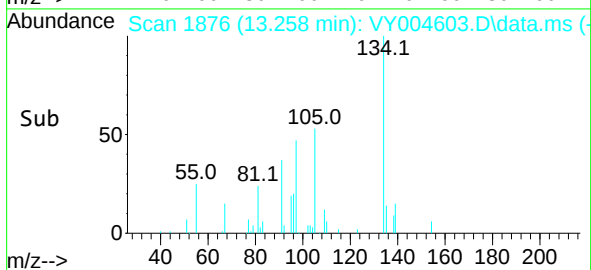
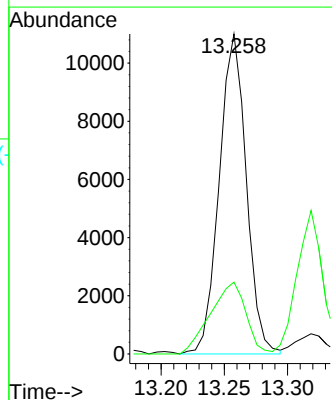
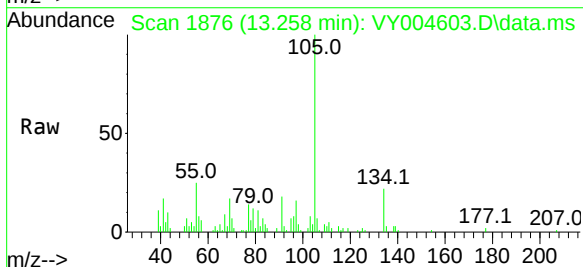
Instrument :
MSVOA_Y
ClientSampleId :
EO-04-042221

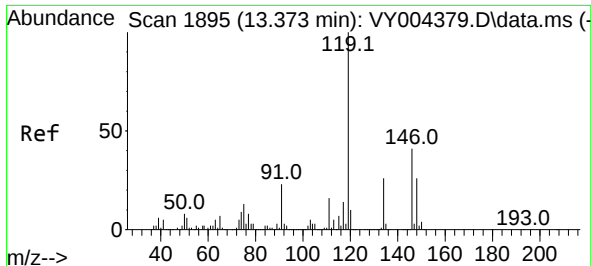
Tgt Ion:105 Resp: 89911
Ion Ratio Lower Upper
105 100
120 46.2 22.4 67.3



#85
sec-Butylbenzene
Concen: 2.73 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion:105 Resp: 16358
Ion Ratio Lower Upper
105 100
134 29.5 10.1 30.3

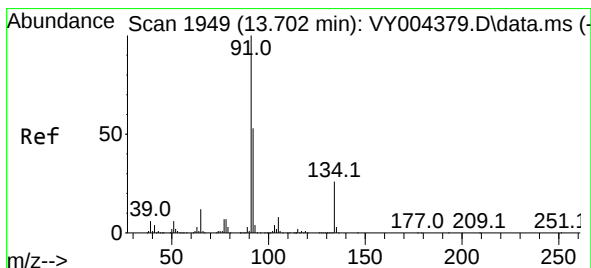
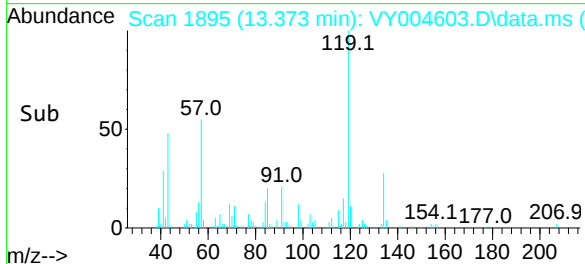
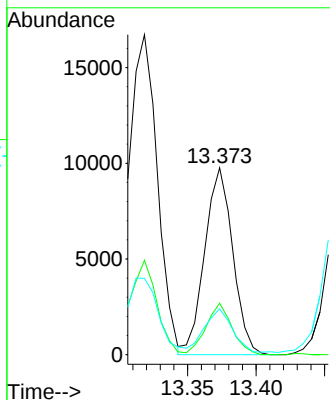
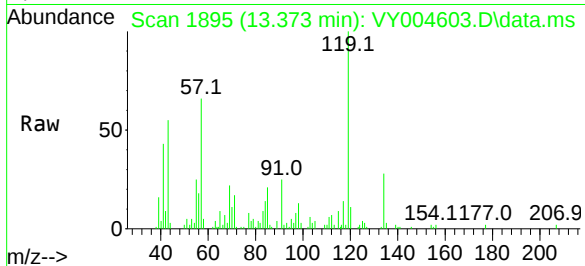




#86
p-Isopropyltoluene
Concen: 2.55 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

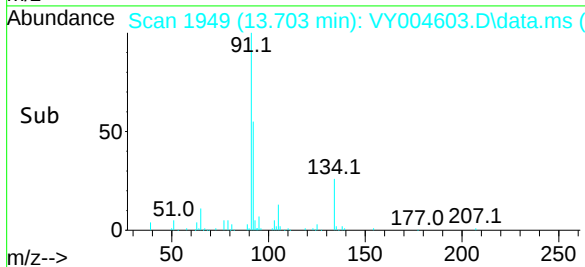
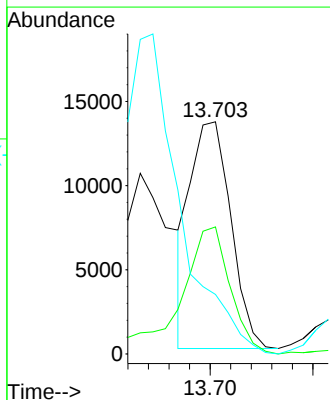
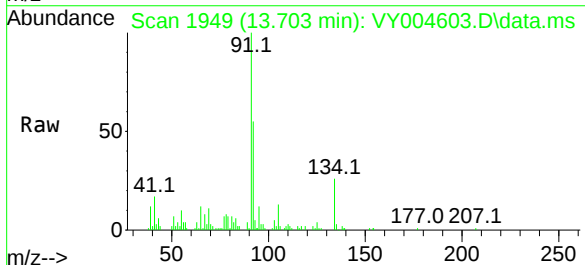
Instrument :
MSVOA_Y
ClientSampled :
EO-04-042221

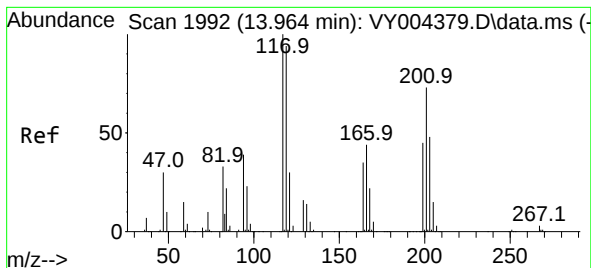
Tgt Ion:	119	Resp:	13929
Ion Ratio	Lower	Upper	
119	100		
134	25.4	13.3	39.8
91	22.5	11.9	35.7



#89
n-Butylbenzene
Concen: 3.53 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY004603.D
Acq: 23 Apr 2021 14:25

Tgt Ion:	91	Resp:	18388
Ion Ratio	Lower	Upper	
91	100		
92	69.8	26.6	79.8
134	0.0	12.7	38.1#





#90

Hexachloroethane

Concen: 9.44 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY004603.D

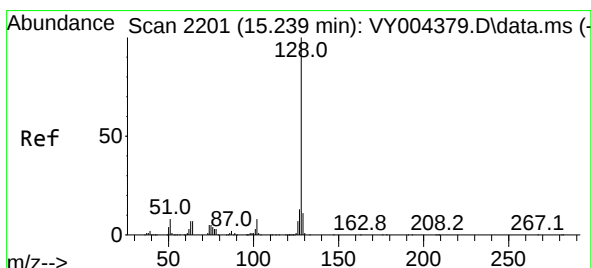
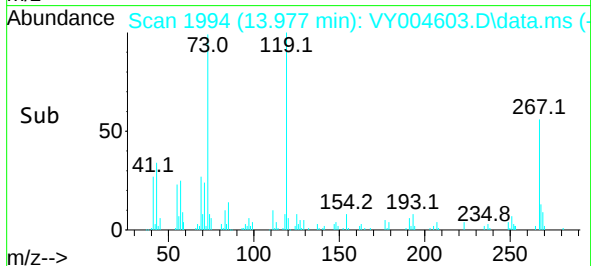
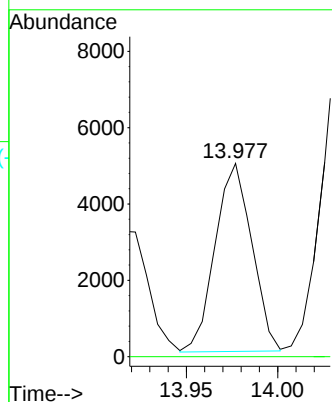
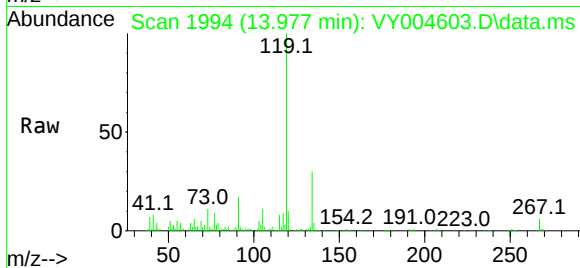
Acq: 23 Apr 2021 14:25

Tgt Ion:117 Resp: 6905

Ion Ratio Lower Upper

117 100

201 0.0 36.6 109.9#



#95

Naphthalene

Concen: 3.03 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY004603.D

Acq: 23 Apr 2021 14:25

Tgt Ion:128 Resp: 9998

Ion Ratio Lower Upper

128 100

127 15.4 10.2 15.2#

129 10.1 8.8 13.2

