

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004945.D
 Acq On : 03 Jun 2021 18:32
 Operator : SY/MD
 Sample : M2589-15
 Misc : 12.82G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:18:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

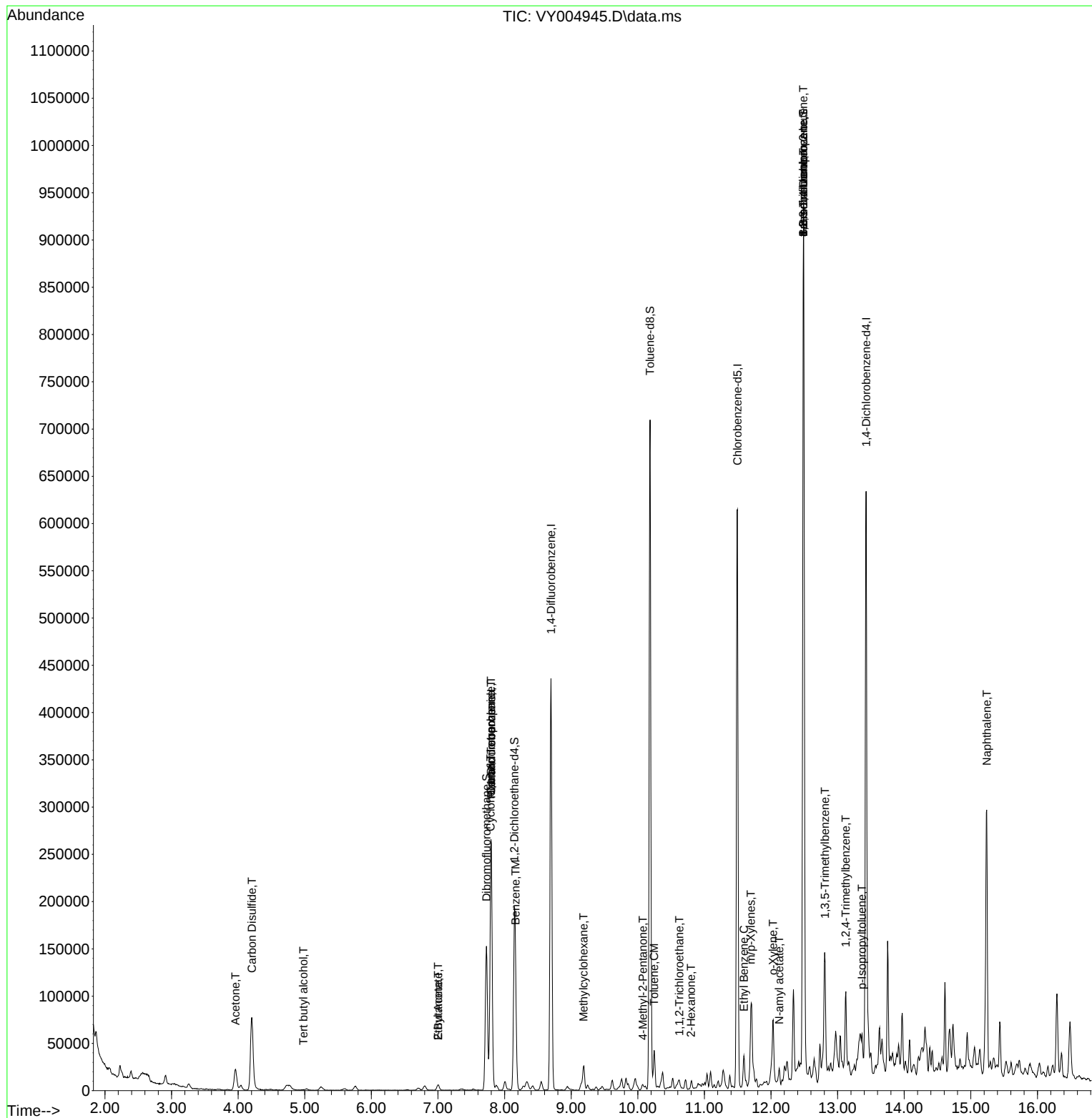
Internal Standards						
1) Pentafluorobenzene	7.801	168	194719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	356193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	328154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153004	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	135497	65.82	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.64%
35) Dibromofluoromethane	7.728	113	106619	55.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.28%
50) Toluene-d8	10.185	98	436504	54.84	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.68%
62) 4-Bromofluorobenzene	12.483	95	152364	55.66	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.32%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	1119	4.73	ug/l #	74
13) Acrolein	3.735	56	44	Below	Cal #	1
16) Acetone	3.960	43	37997	76.68	ug/l	100
17) Carbon Disulfide	4.204	76	150937	24.53	ug/l	97
20) Methylene Chloride	4.722	84	2816	Below	Cal	87
25) 2-Butanone	7.002	43	9309	11.17	ug/l #	86
31) Cyclohexane	7.789	56	8848	2.44	ug/l #	44
36) 1,1-Dichloropropene	7.795	75	16274	4.67	ug/l #	49
37) Ethyl Acetate	7.002	43	9309	4.06	ug/l #	77
38) Carbon Tetrachloride	7.795	117	19512	6.43	ug/l #	17
39) Methylcyclohexane	9.185	83	9143	2.37	ug/l	88
40) Benzene	8.167	78	39474	3.96	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	3101	1.44	ug/l	99
52) Toluene	10.246	92	15729	2.61	ug/l	99
55) 1,1,2-Trichloroethane	10.624	97	3067	1.58	ug/l #	22
59) 2-Hexanone	10.801	43	5107	3.50	ug/l #	28
67) Ethyl Benzene	11.593	91	20325	1.69	ug/l	98
68) m/p-Xylenes	11.697	106	20742	4.61	ug/l	96
69) o-Xylene	12.032	106	16110	3.84	ug/l	100
74) N-amyl acetate	12.123	43	6023	1.62	ug/l #	59
76) 1,2,3-Trichloropropane	12.483	75	85562	51.01	ug/l #	100
77) Bromobenzene	12.483	156	5143	1.99	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	21977	2.30	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85562	93.75	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	42458	4.48	ug/l	97
86) p-Isopropyltoluene	13.367	119	13974	1.39	ug/l	95
95) Naphthalene	15.239	128	224224	37.39	ug/l	99

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

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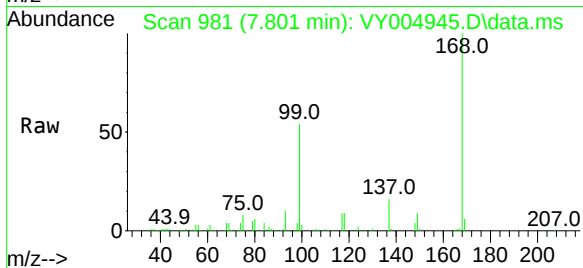
Quant Time: Jun 04 01:18:58 2021
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Quant Title : SW846 8260
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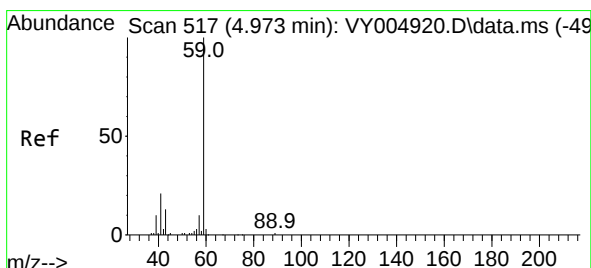
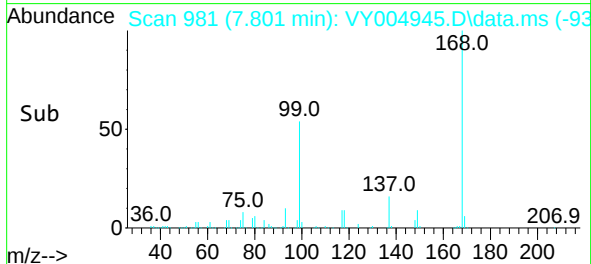
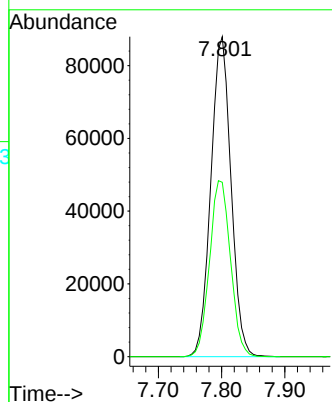


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Instrument :
MSVOA_Y
ClientSampleId :

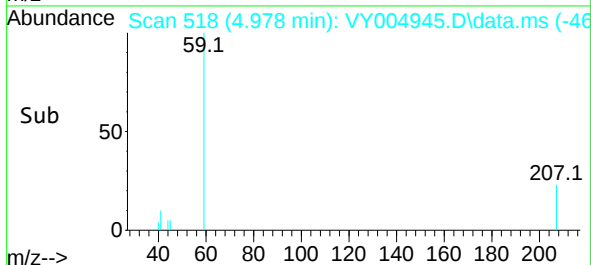
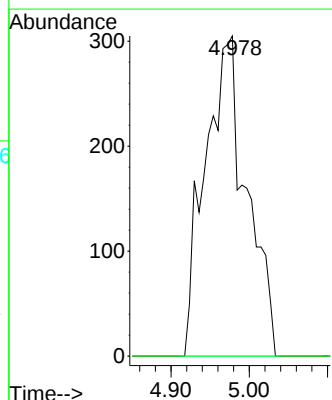
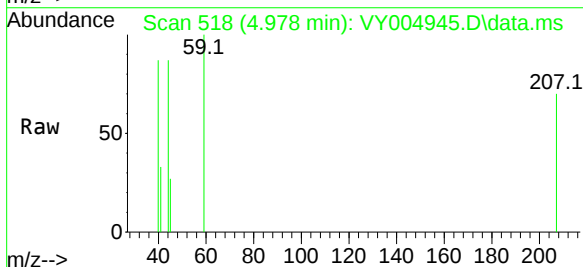


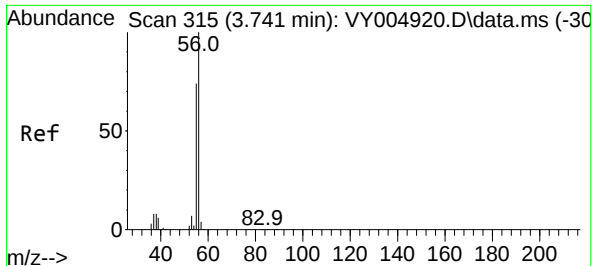
Tgt Ion:168 Resp: 194719
Ion Ratio Lower Upper
168 100
99 54.5 43.9 65.9



#11
Tert butyl alcohol
Concen: 4.73 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.005 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 59 Resp: 1119
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

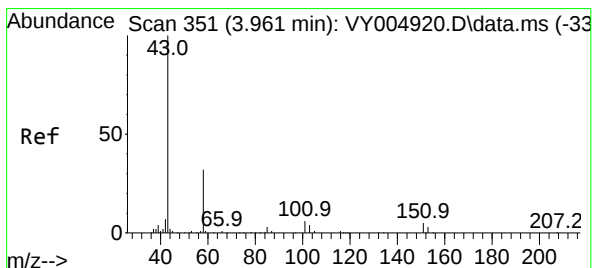
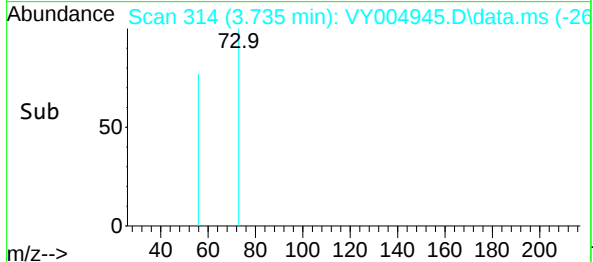
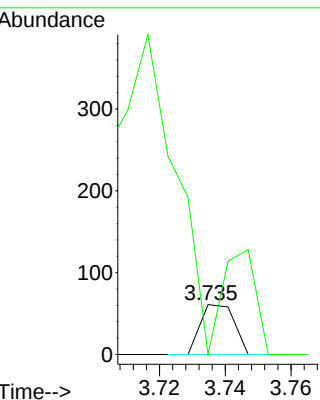
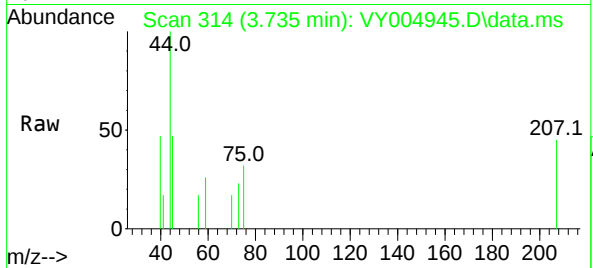




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

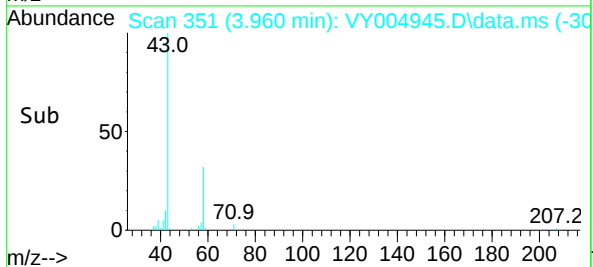
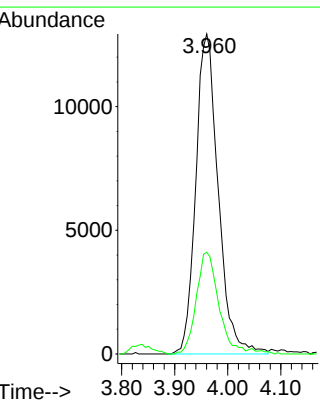
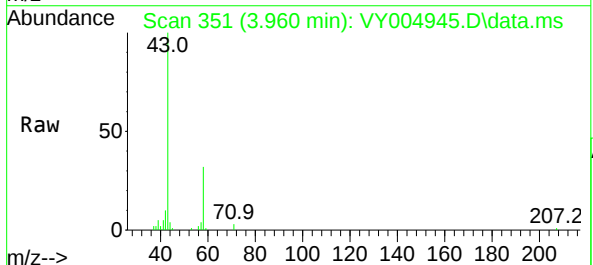
Instrument :
MSVOA_Y
ClientSampleId :

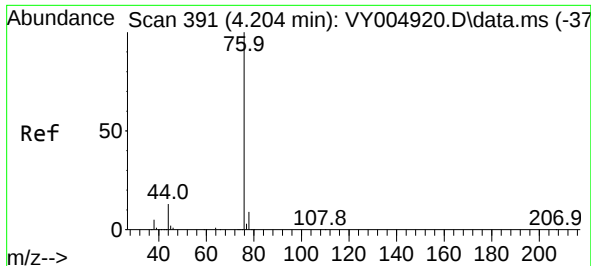
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 1863.6 55.4 83.2#



#16
Acetone
Concen: 76.68 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

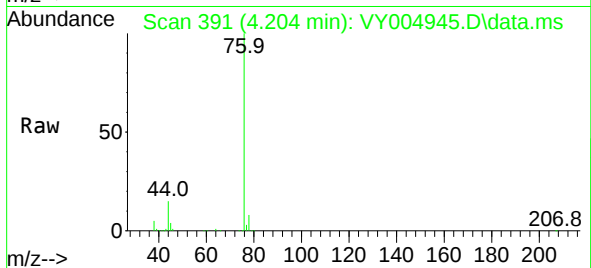
Tgt Ion: 43 Resp: 37997
Ion Ratio Lower Upper
43 100
58 31.8 25.3 37.9



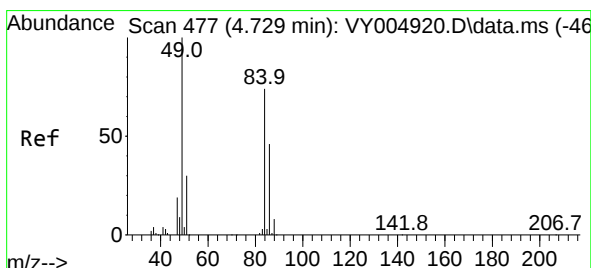
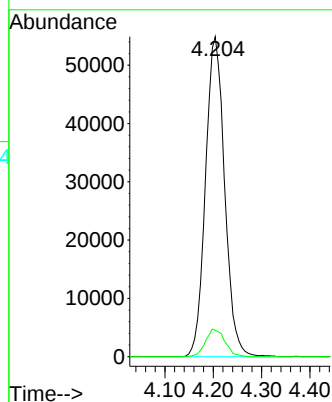
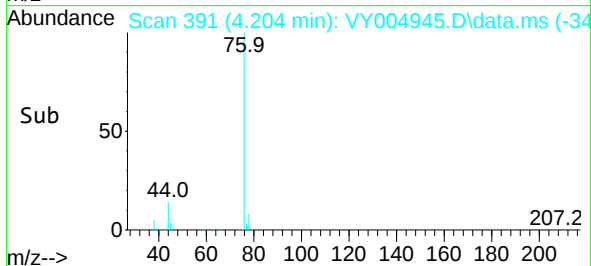


#17
Carbon Disulfide
Concen: 24.53 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

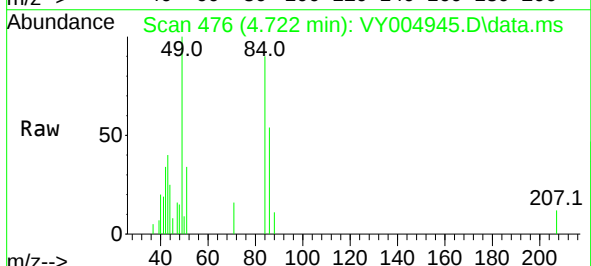
Instrument :
MSVOA_Y
ClientSampleId :



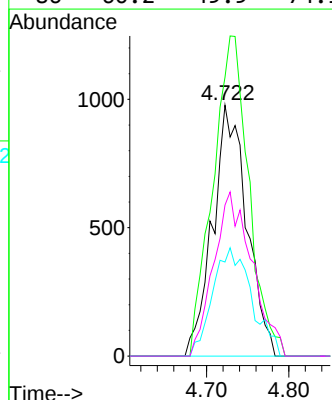
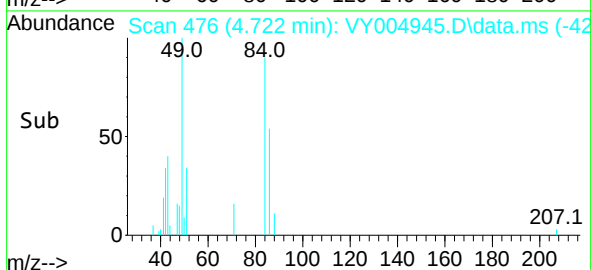
Tgt Ion: 76 Resp: 150937
Ion Ratio Lower Upper
76 100
78 8.3 7.6 11.4

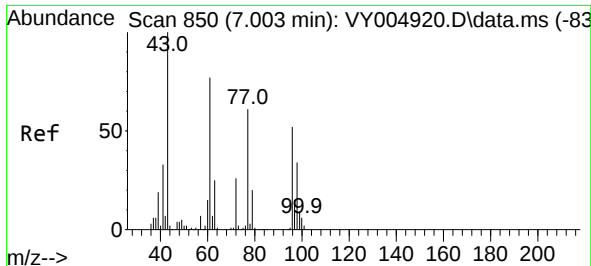


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32



Tgt Ion: 84 Resp: 2816
Ion Ratio Lower Upper
84 100
49 111.2 108.0 162.0
51 37.5 32.6 48.8
86 60.2 49.9 74.9

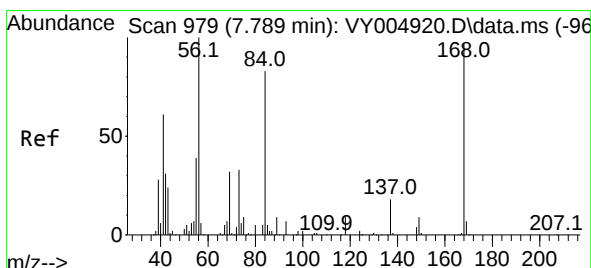
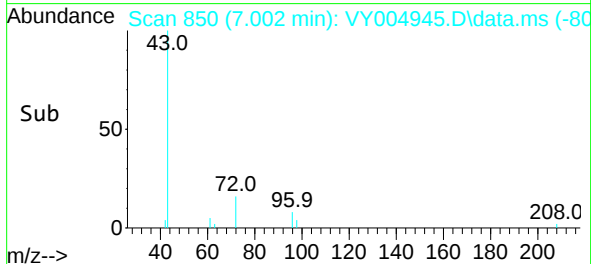
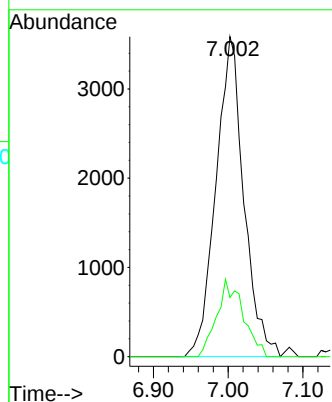
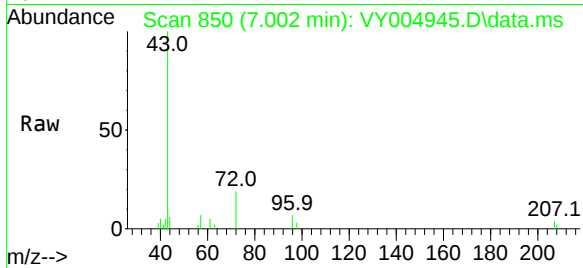




#25
2-Butanone
Concen: 11.17 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

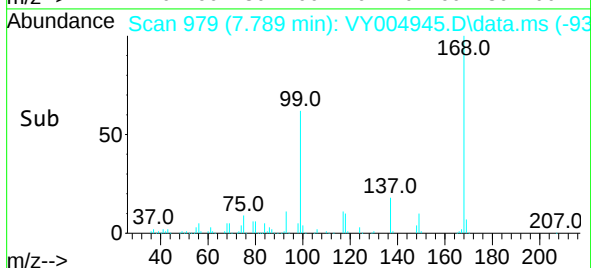
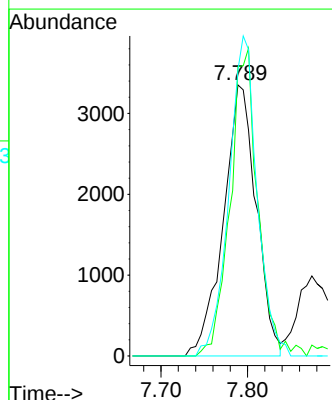
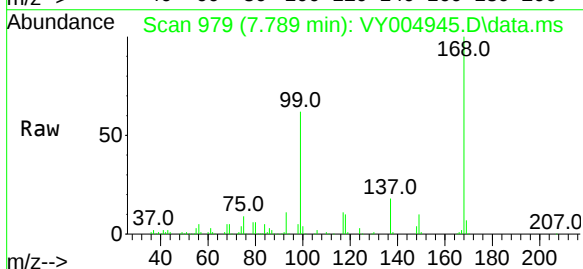
Instrument :
MSVOA_Y
ClientSampled :

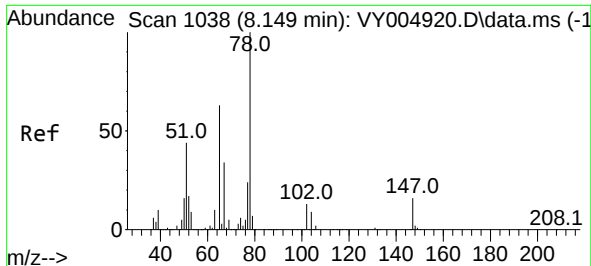
Tgt Ion: 43 Resp: 9309
Ion Ratio Lower Upper
43 100
72 18.5 20.6 31.0#



#31
Cyclohexane
Concen: 2.44 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 56 Resp: 8848
Ion Ratio Lower Upper
56 100
69 106.7 25.3 37.9#
84 105.6 66.2 99.4#

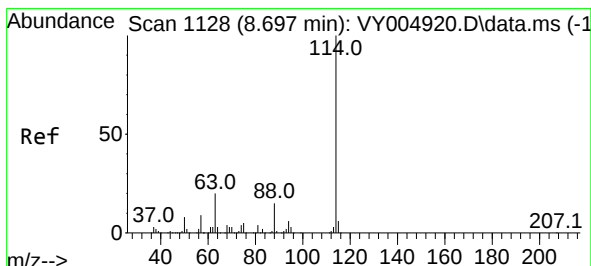
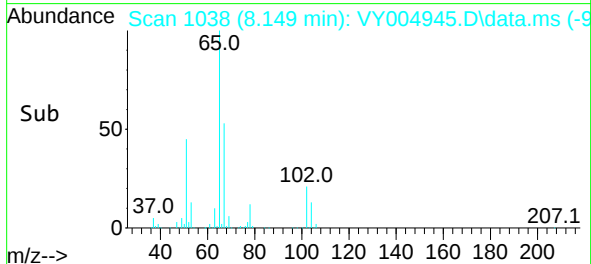
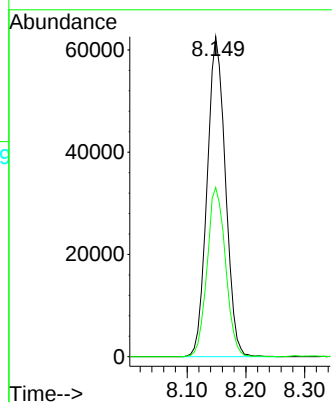
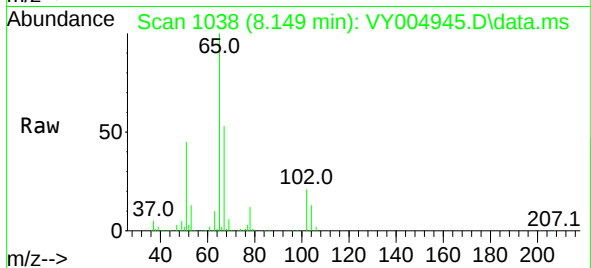




#33
 1,2-Dichloroethane-d4
 Concen: 65.82 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY004945.D
 Acq: 03 Jun 2021 18:32

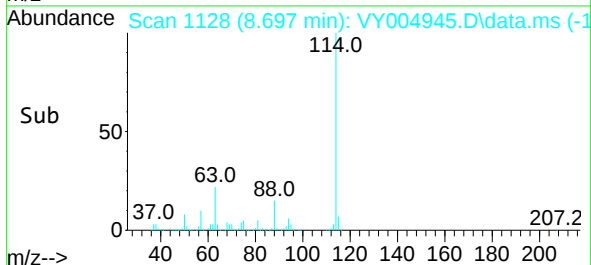
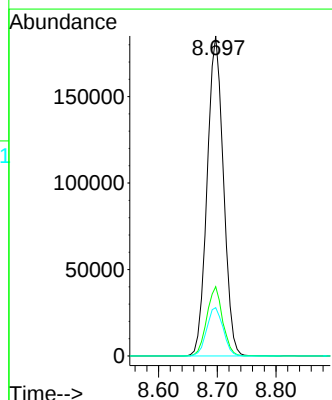
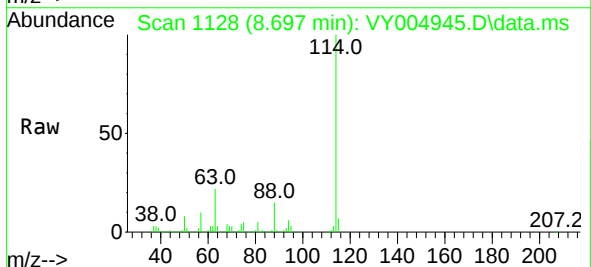
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 MSVOA_Y
 ClientSampled :

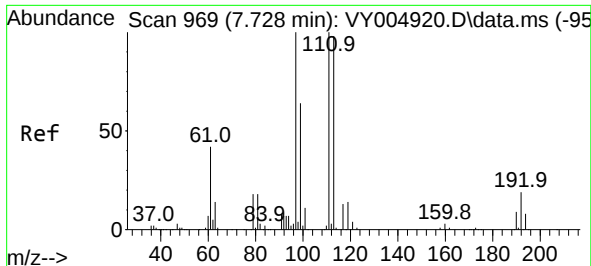
Tgt Ion: 65 Resp: 135497
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY004945.D
 Acq: 03 Jun 2021 18:32

Tgt Ion:114 Resp: 356193
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.0
 88 15.1 0.0 30.6

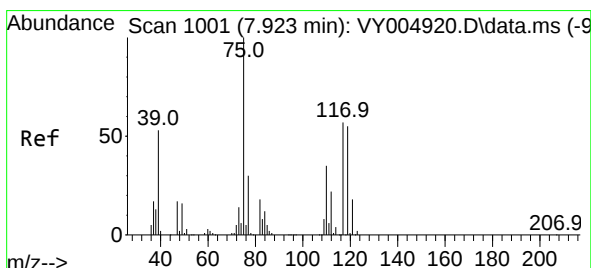
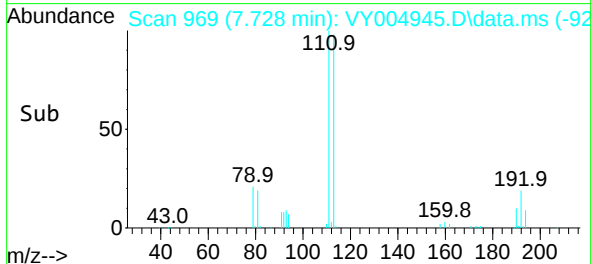
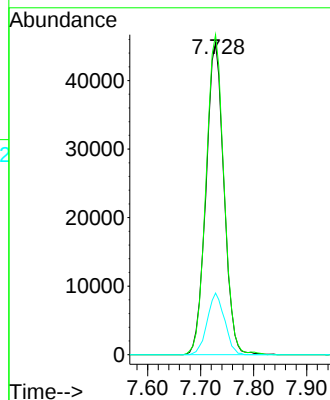
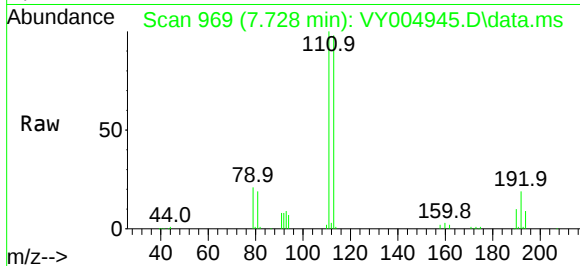




#35
Dibromofluoromethane
Concen: 55.64 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

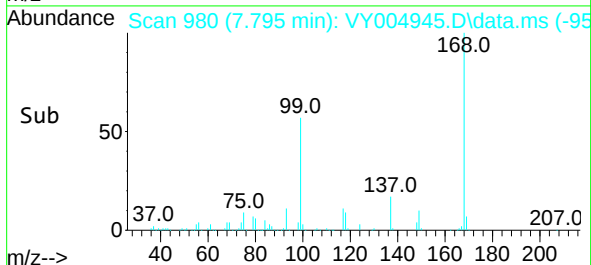
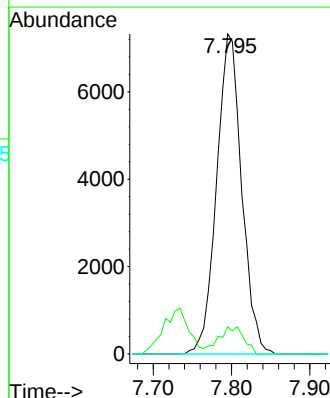
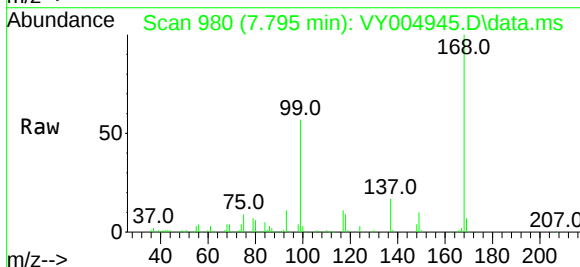
Instrument :
MSVOA_Y
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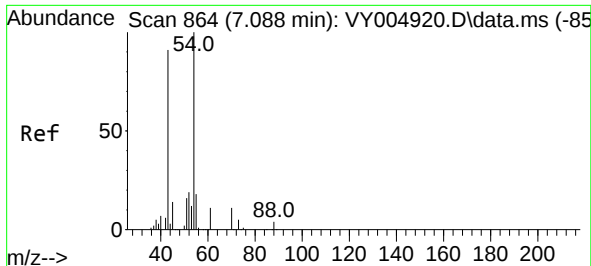
Tgt Ion:	113	Resp:	106619
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	19.1	15.3	22.9



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion:	75	Resp:	16274
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.5#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 4.06 ug/l

RT: 7.002 min Scan# 850

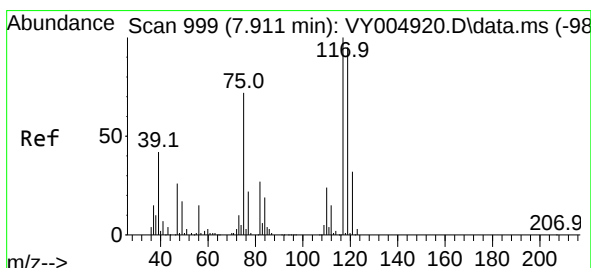
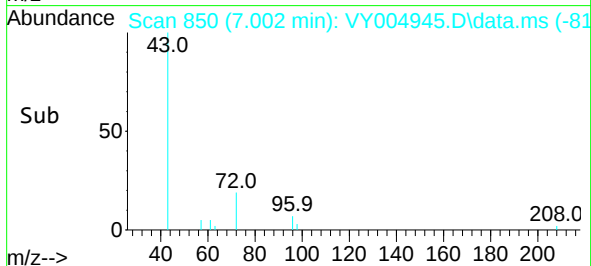
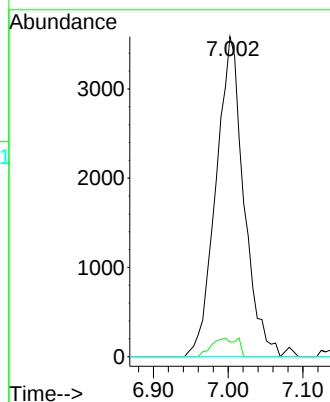
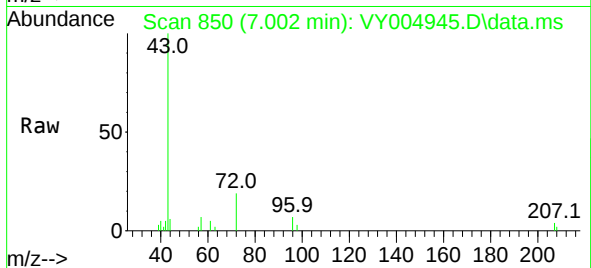
Delta R.T. -0.086 min

Lab File: VY004945.D

Acq: 03 Jun 2021 18:32

Tgt Ion:	43	Resp:	9309
Ion	Ratio	Lower	Upper
43	100		
61	5.4	10.5	15.7#
70	0.0	7.9	11.9#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.43 ug/l

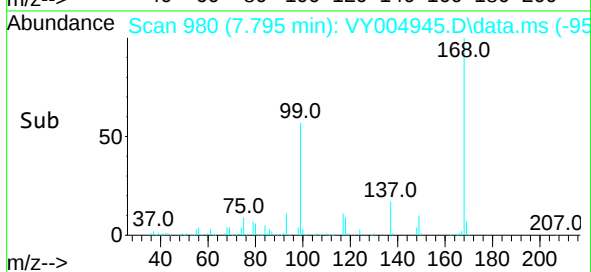
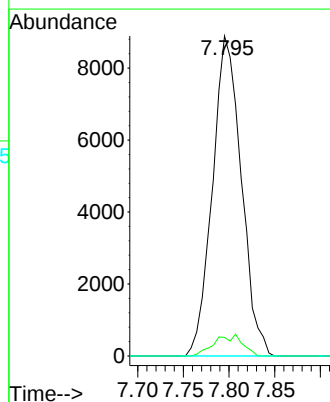
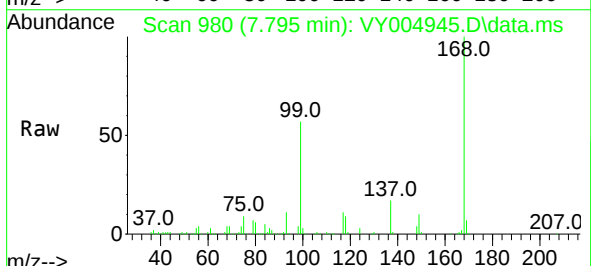
RT: 7.795 min Scan# 980

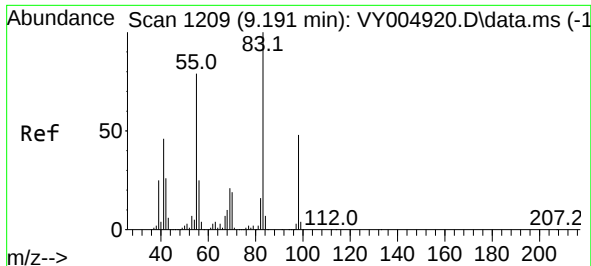
Delta R.T. -0.116 min

Lab File: VY004945.D

Acq: 03 Jun 2021 18:32

Tgt Ion:	117	Resp:	19512
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	25.5	38.3#





#39

Methylcyclohexane

Concen: 2.37 ug/l

RT: 9.185 min Scan# 1208

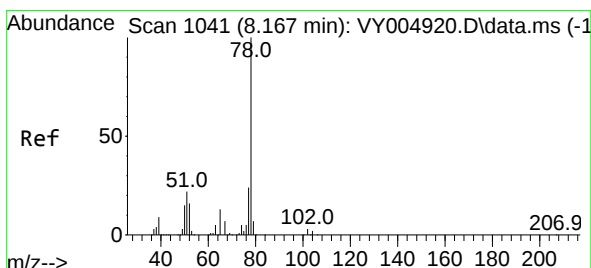
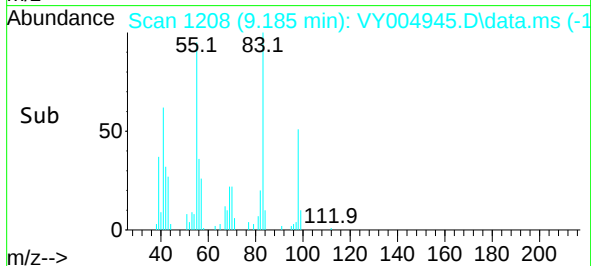
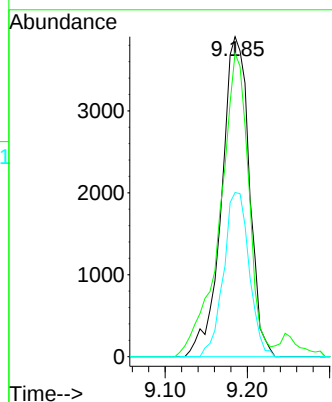
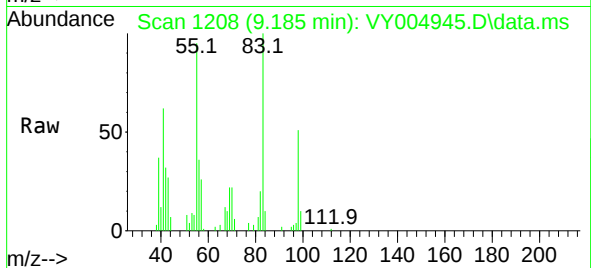
Delta R.T. -0.006 min

Lab File: VY004945.D

Acq: 03 Jun 2021 18:32

Tgt Ion:	83	Resp:	9143
Ion	Ratio	Lower	Upper
83	100		
55	93.5	63.1	94.7
98	51.3	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :



#40

Benzene

Concen: 3.96 ug/l

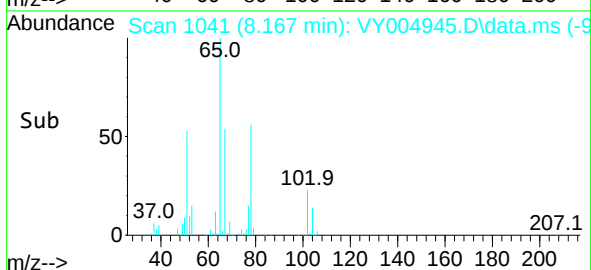
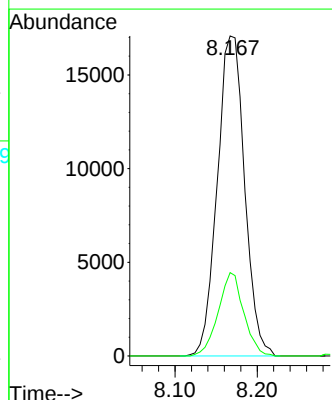
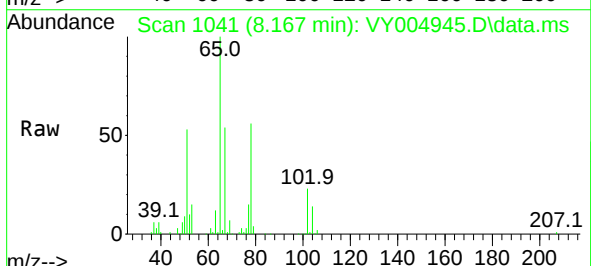
RT: 8.167 min Scan# 1041

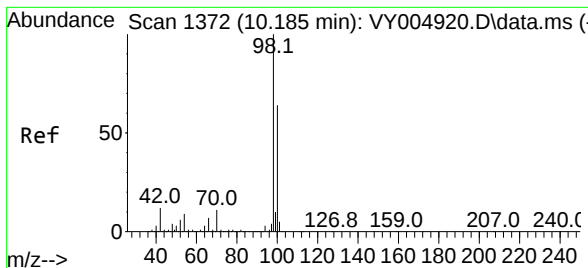
Delta R.T. -0.000 min

Lab File: VY004945.D

Acq: 03 Jun 2021 18:32

Tgt Ion:	78	Resp:	39474
Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.4	29.2

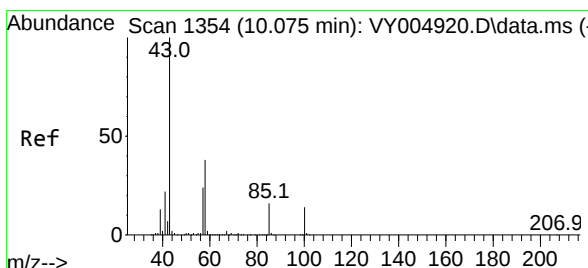
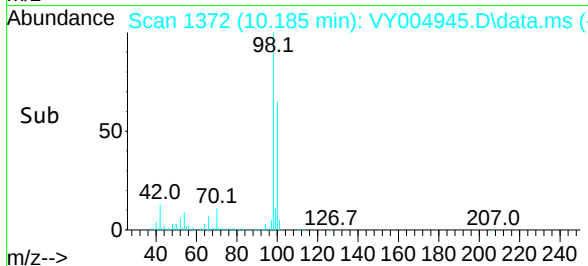
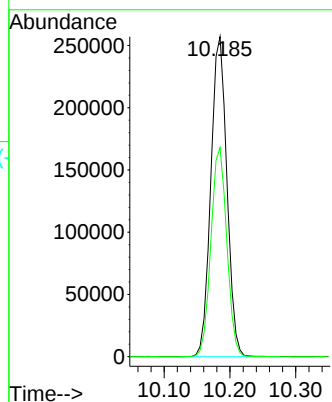
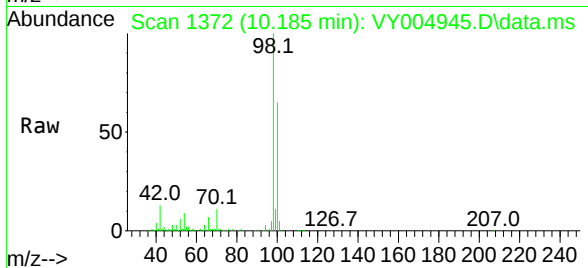




#50
Toluene-d8
Concen: 54.84 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

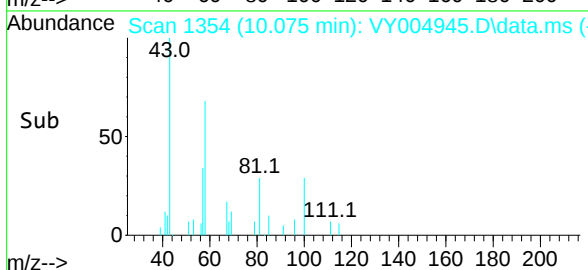
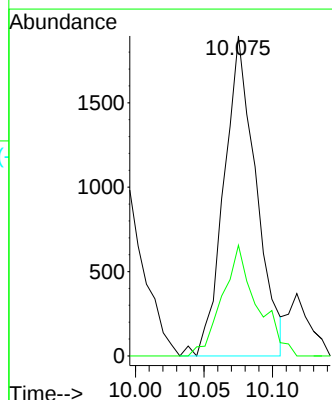
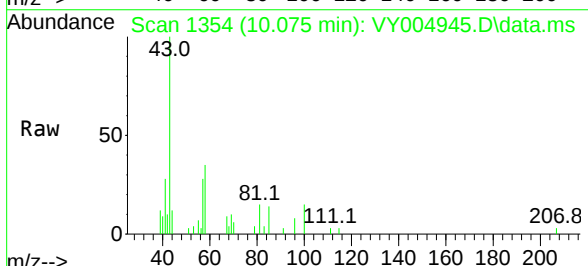
Instrument :
MSVOA_Y
ClientSampled :

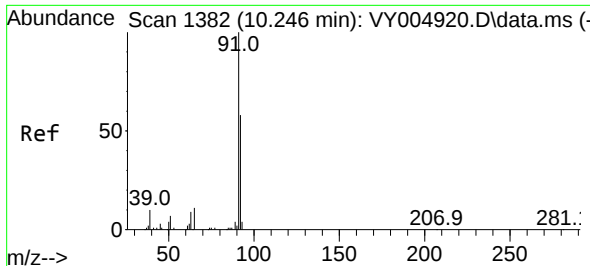
Tgt Ion: 98 Resp: 436504
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
58 37.5 30.6 46.0

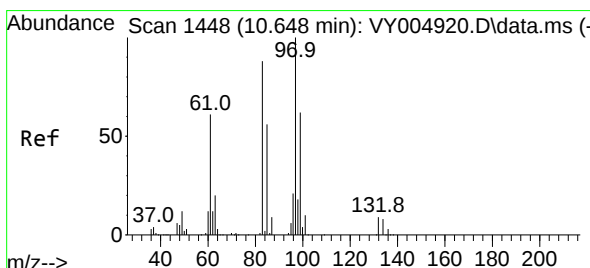
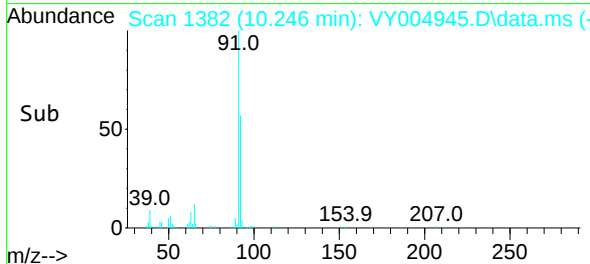
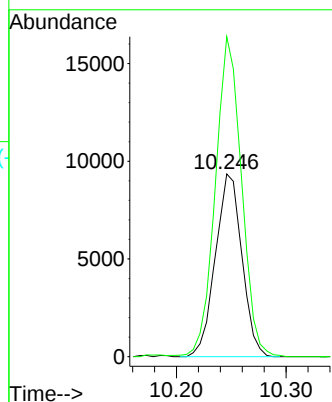
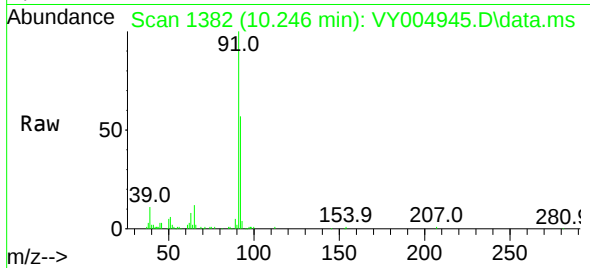




#52
Toluene
Concen: 2.61 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

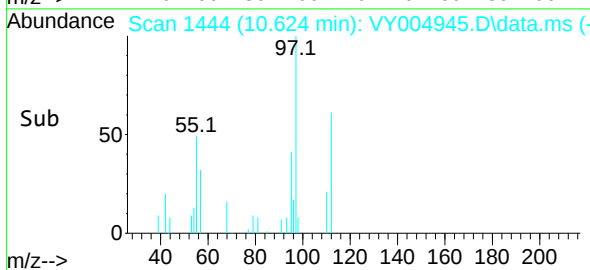
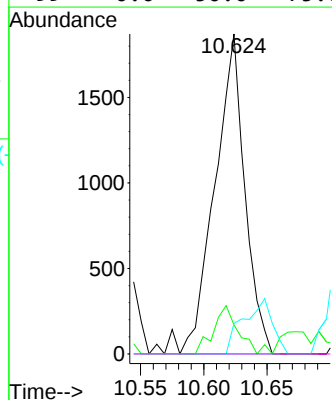
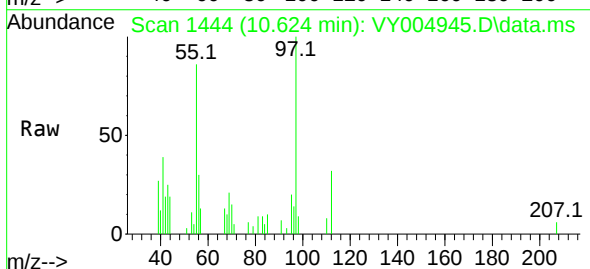
Instrument :
MSVOA_Y
ClientSampled :

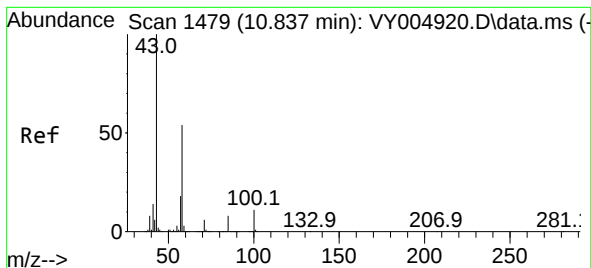
Tgt Ion: 92 Resp: 15729
Ion Ratio Lower Upper
92 100
91 173.0 139.3 208.9



#55
1,1,2-Trichloroethane
Concen: 1.58 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 97 Resp: 3067
Ion Ratio Lower Upper
97 100
83 9.1 70.3 105.5#
85 9.6 44.6 66.8#
99 0.0 50.0 75.0#

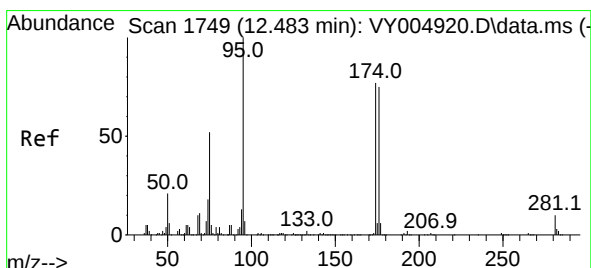
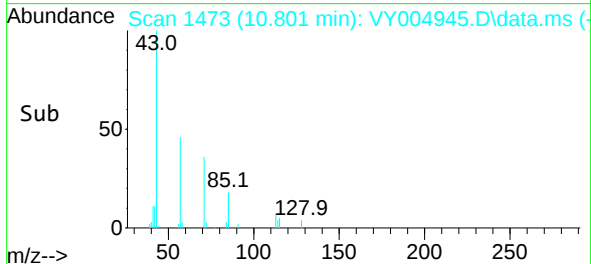
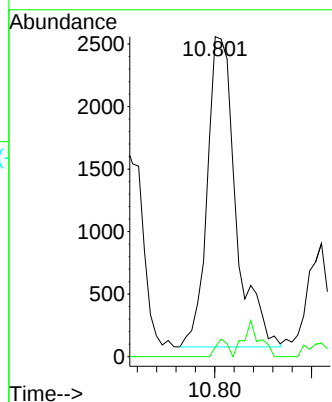
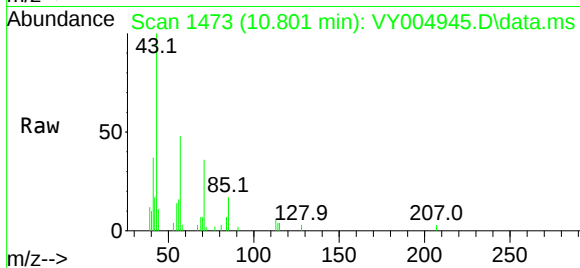




#59
2-Hexanone
Concen: 3.50 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

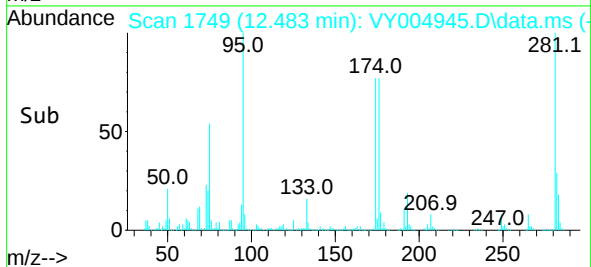
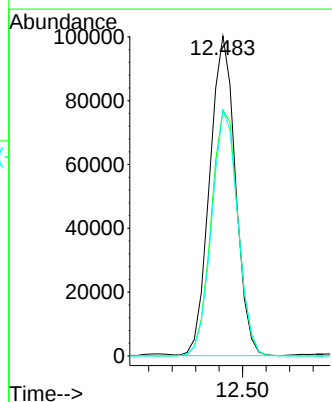
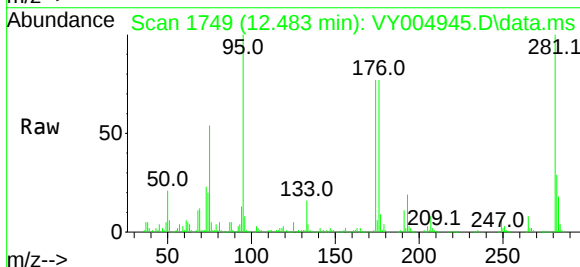
Instrument :
MSVOA_Y
ClientSampled :

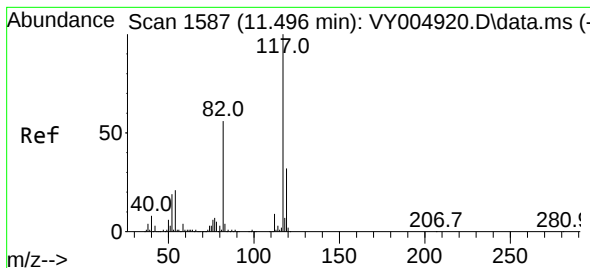
Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
58 2.3 27.0 80.8#



#62
4-Bromofluorobenzene
Concen: 55.66 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 95 Resp: 152364
Ion Ratio Lower Upper
95 100
174 80.0 0.0 160.8
176 78.0 0.0 155.6

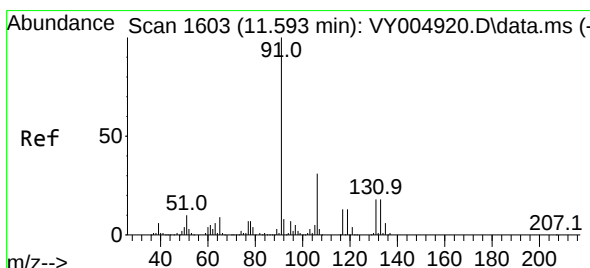
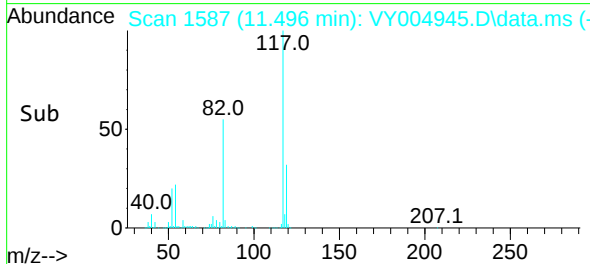
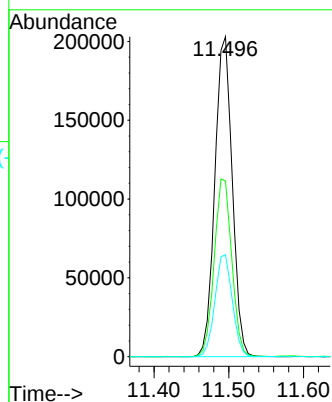
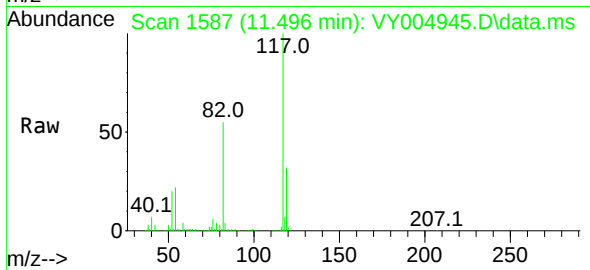




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

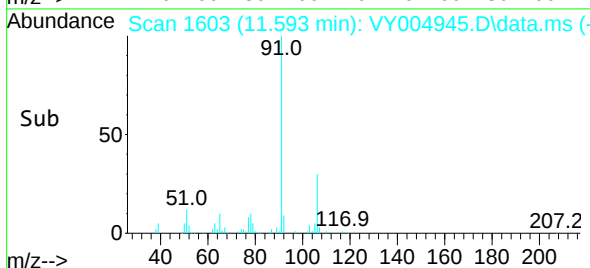
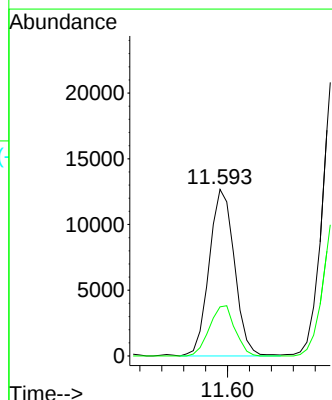
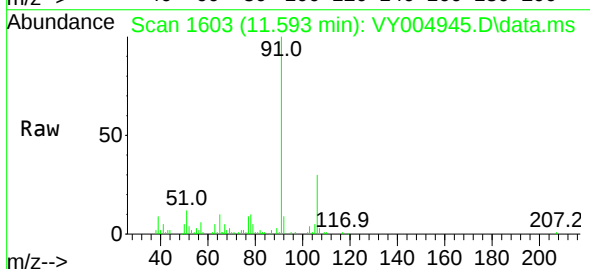
Instrument :
MSVOA_Y
ClientSampled :

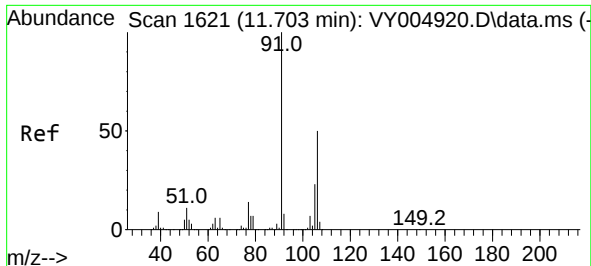
Tgt Ion:117 Resp: 328154
Ion Ratio Lower Upper
117 100
82 54.8 44.8 67.2
119 31.8 25.2 37.8



#67
Ethyl Benzene
Concen: 1.69 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 91 Resp: 20325
Ion Ratio Lower Upper
91 100
106 29.5 24.6 36.8

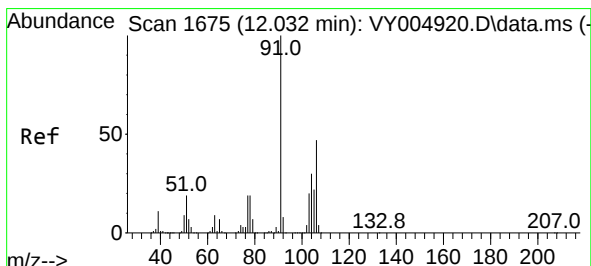
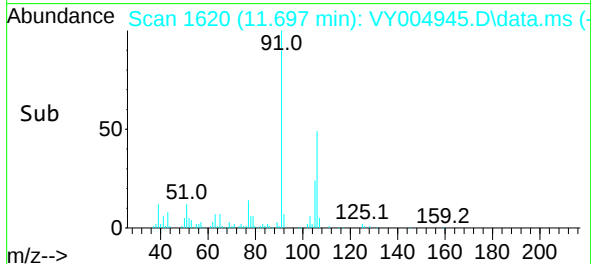
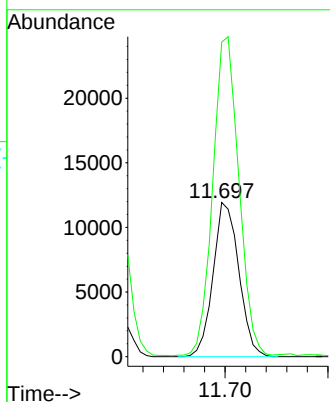
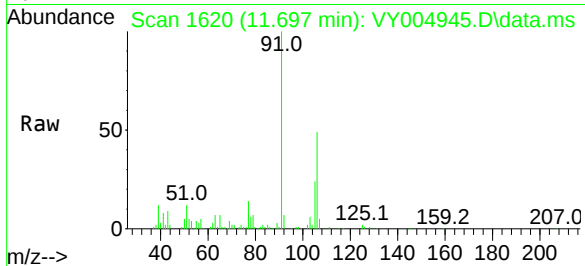




#68
m/p-Xylenes
Concen: 4.61 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

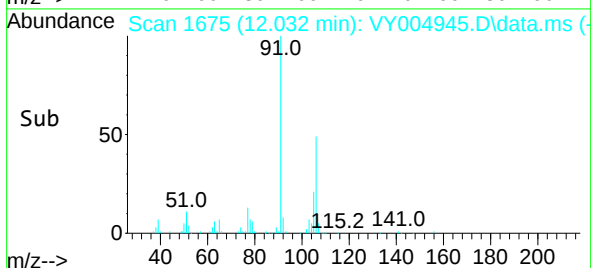
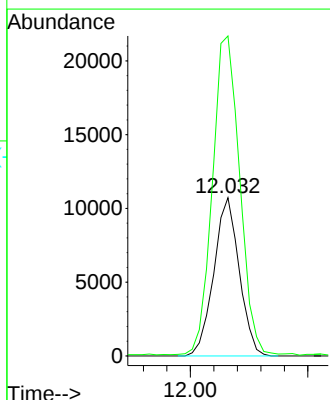
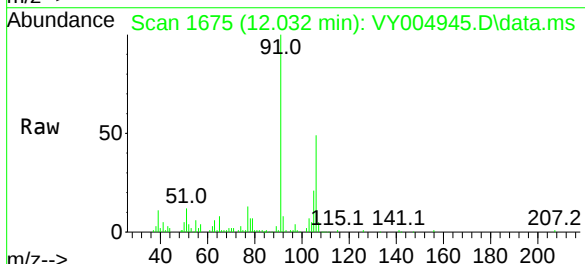
Instrument :
MSVOA_Y
ClientSampled :

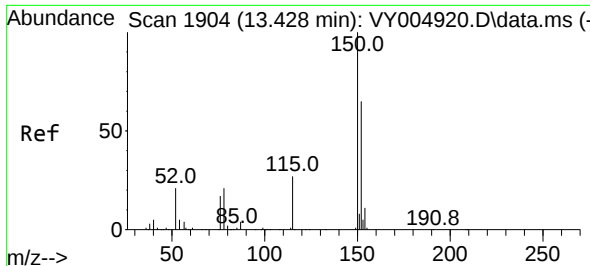
Tgt Ion:106 Resp: 20742
Ion Ratio Lower Upper
106 100
91 209.1 161.9 242.9



#69
o-Xylene
Concen: 3.84 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion:106 Resp: 16110
Ion Ratio Lower Upper
106 100
91 216.6 108.0 324.0

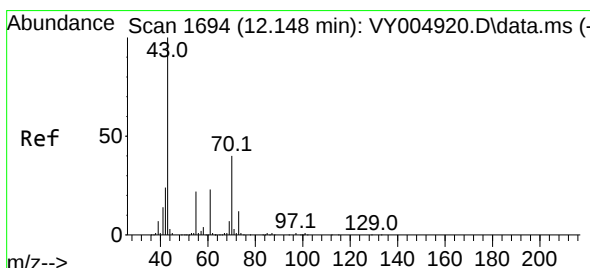
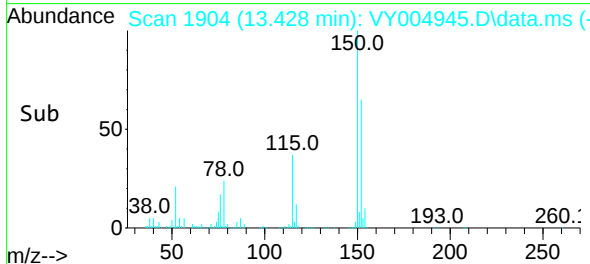
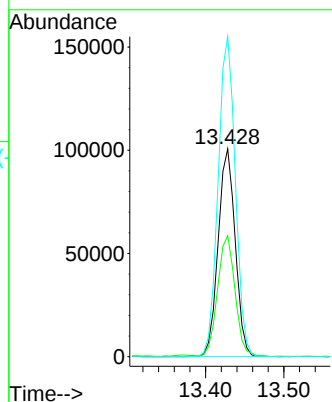
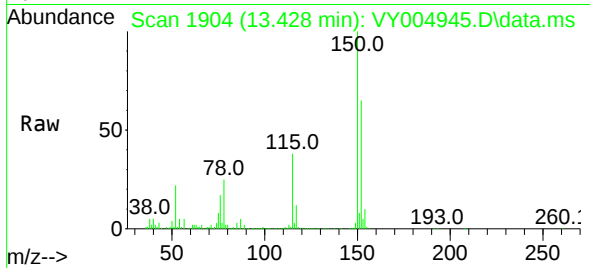




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

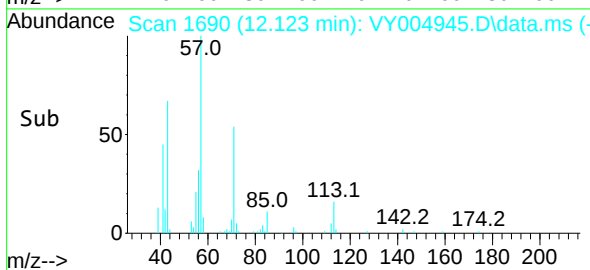
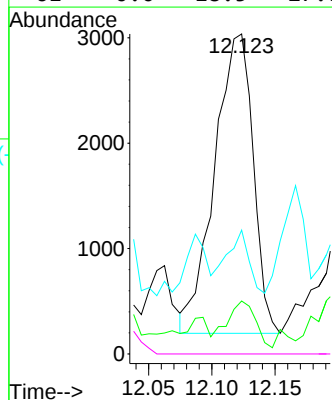
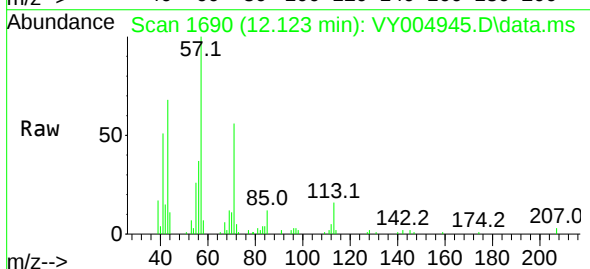
Instrument :
MSVOA_Y
ClientSampleId :

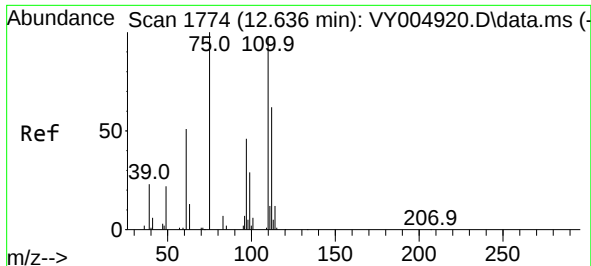
Tgt Ion:152 Resp: 153004
Ion Ratio Lower Upper
152 100
115 59.3 29.9 89.7
150 154.7 0.0 347.8



#74
N-ethyl acetate
Concen: 1.62 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 43 Resp: 6023
Ion Ratio Lower Upper
43 100
70 11.5 32.0 48.0#
55 10.7 17.9 26.9#
61 0.0 18.5 27.7#

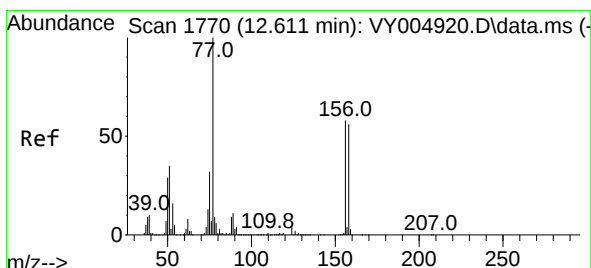
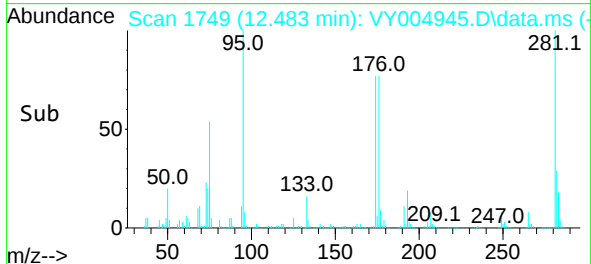
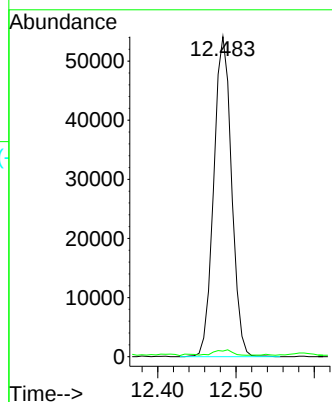
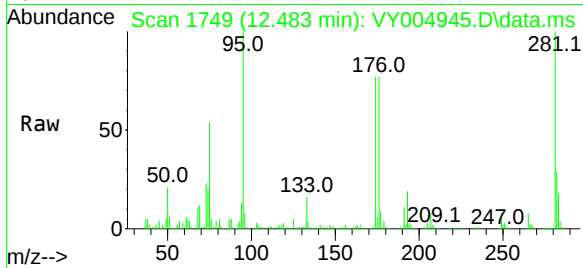




#76
1,2,3-Trichloropropane
Concen: 51.01 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

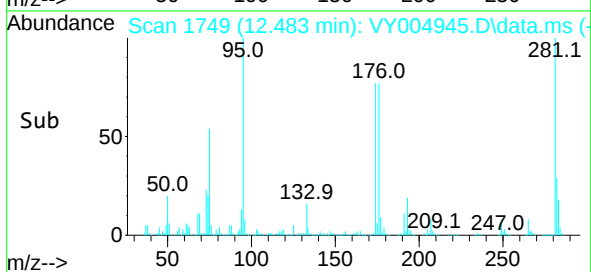
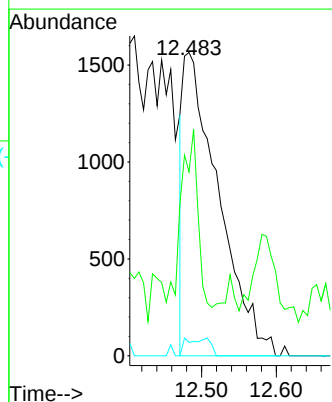
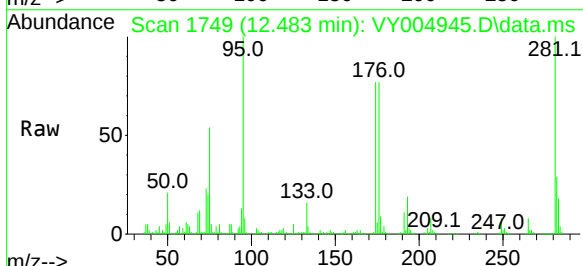
Instrument :
MSVOA_Y
ClientSampled :

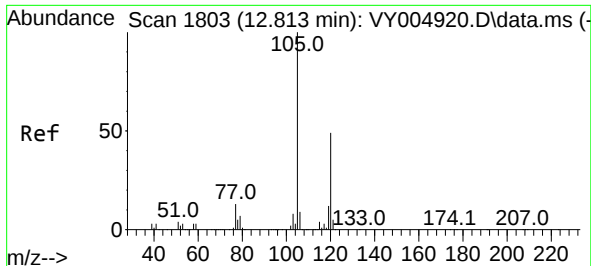
Tgt Ion: 75 Resp: 85562
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.99 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.128 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion:156 Resp: 5143
Ion Ratio Lower Upper
156 100
77 26.6 98.0 294.1#
158 2.2 47.7 143.1#

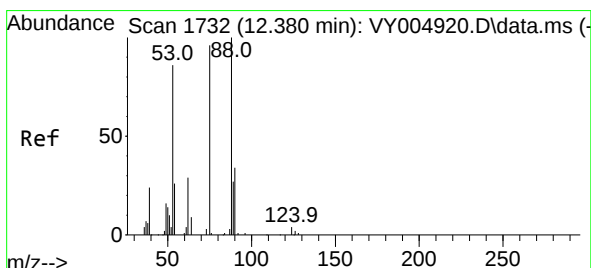
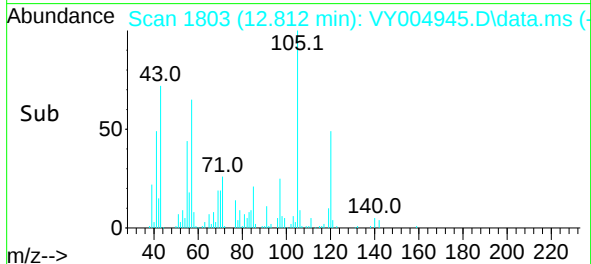
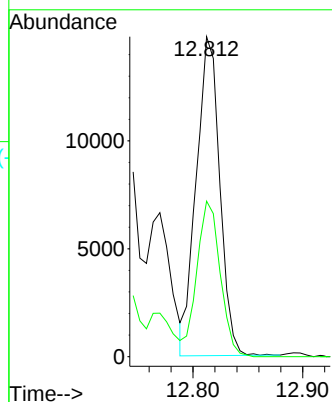
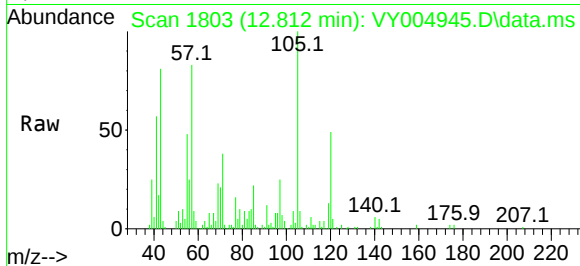




#80
1,3,5-Trimethylbenzene
Concen: 2.30 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

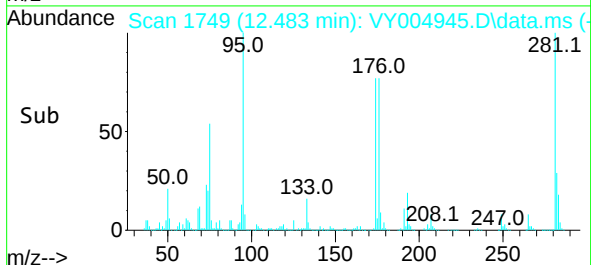
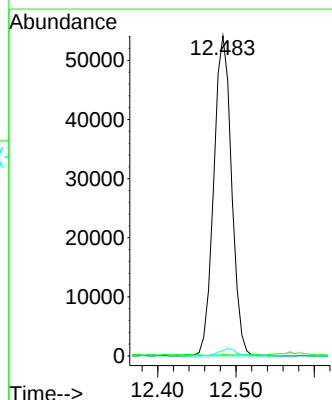
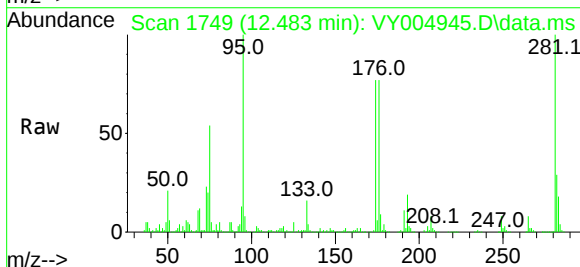
Instrument :
MSVOA_Y
ClientSampled :

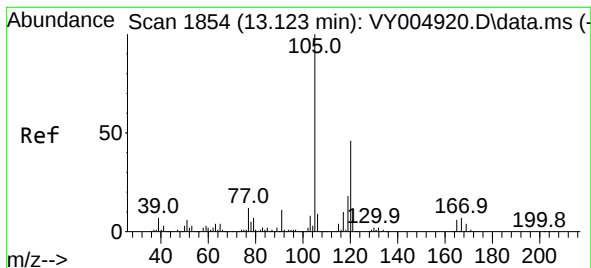
Tgt Ion:105 Resp: 21977
Ion Ratio Lower Upper
105 100
120 48.7 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 93.75 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Tgt Ion: 75 Resp: 85562
Ion Ratio Lower Upper
75 100
53 0.2 69.3 103.9#
89 2.3 35.0 52.6#





#84

1,2,4-Trimethylbenzene

Concen: 4.48 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004945.D

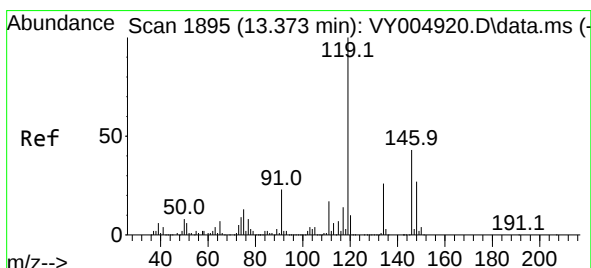
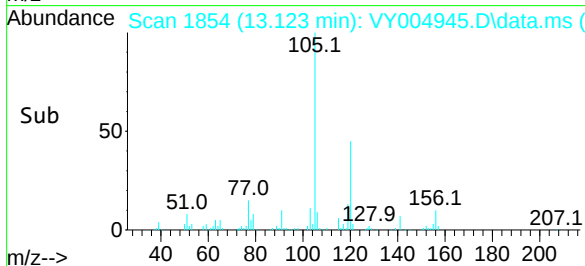
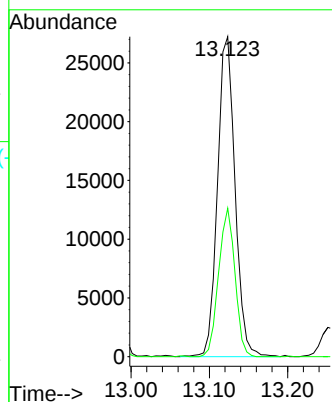
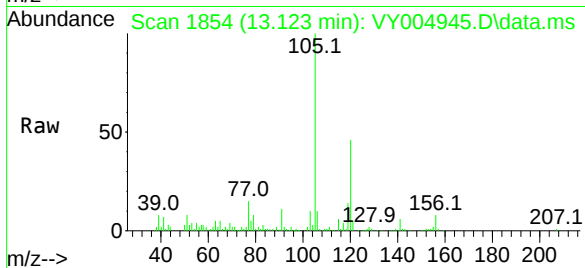
Acq: 03 Jun 2021 18:32

Tgt Ion:105 Resp: 42458

Ion Ratio Lower Upper

105 100

120 43.1 22.6 67.7



#86

p-Isopropyltoluene

Concen: 1.39 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY004945.D

Acq: 03 Jun 2021 18:32

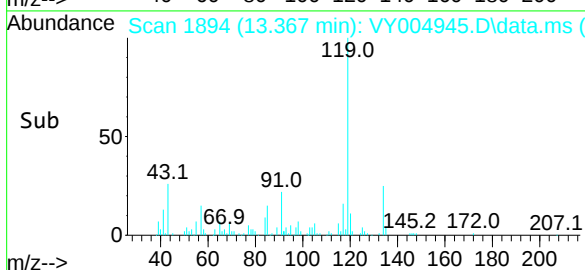
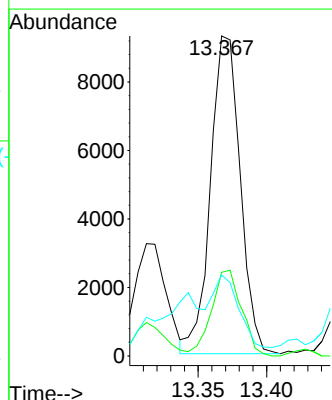
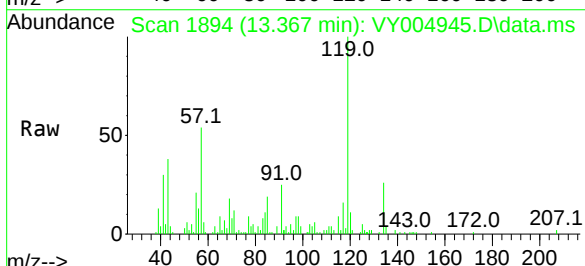
Tgt Ion:119 Resp: 13974

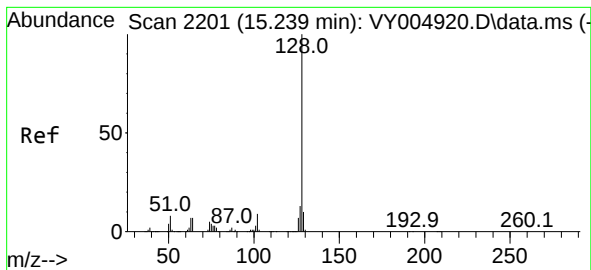
Ion Ratio Lower Upper

119 100

134 27.2 12.9 38.7

91 19.6 11.9 35.5





#95
Naphthalene
Concen: 37.39 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004945.D
Acq: 03 Jun 2021 18:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 224224
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.7 13.1

