

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004944.D
 Acq On : 03 Jun 2021 18:09
 Operator : SY/MD
 Sample : M2589-14
 Misc : 6.57G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:18:40 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)

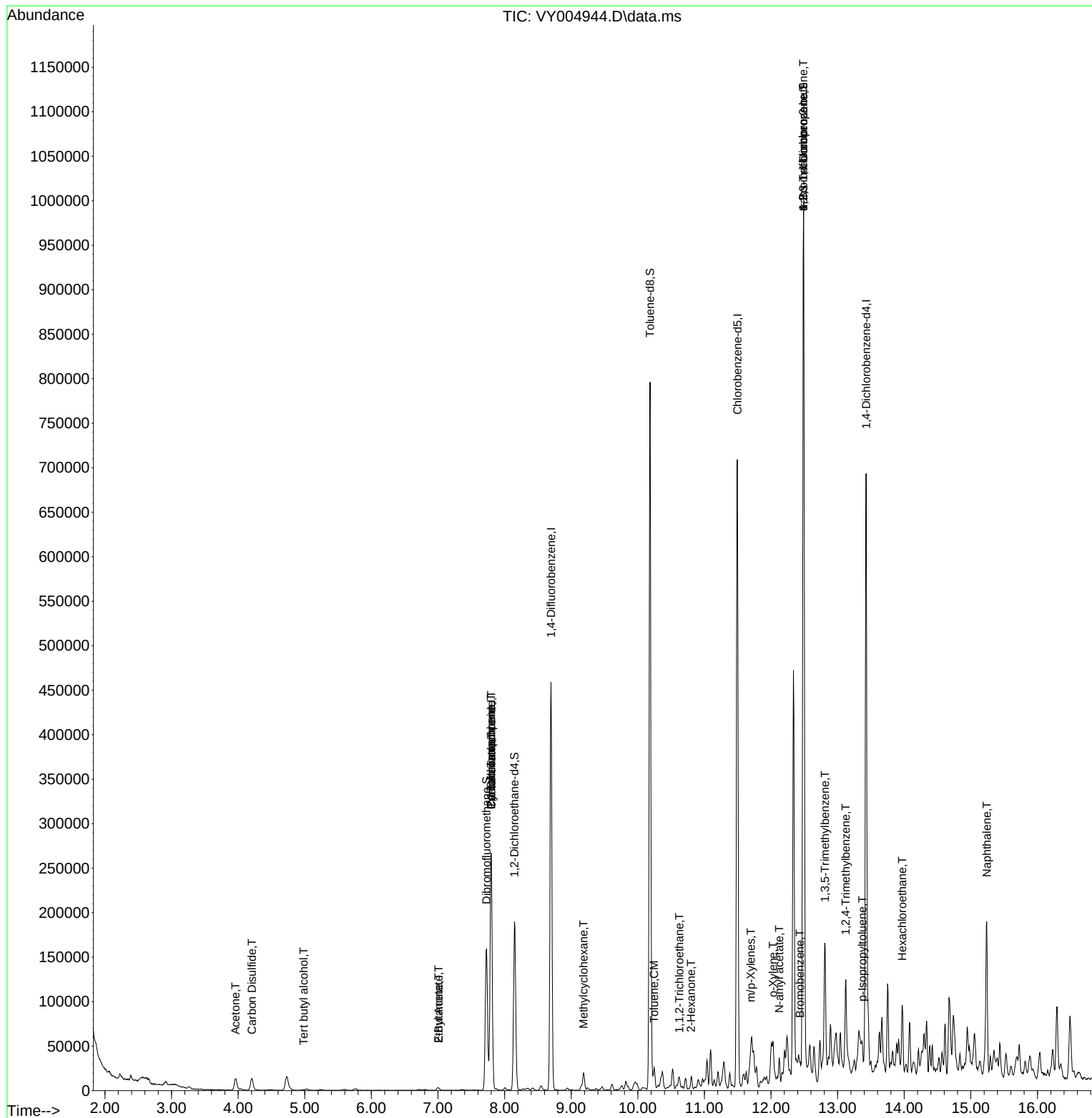
Internal Standards						
1) Pentafluorobenzene	7.801	168	199341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	380757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	390299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	142810	67.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	135.54%		
35) Dibromofluoromethane	7.728	113	113801	55.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.10%		
50) Toluene-d8	10.185	98	475135	55.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.70%		
62) 4-Bromofluorobenzene	12.483	95	180277	61.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.22%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.985	59	409	1.69	ug/l	99
13) Acrolein	3.747	56	186	Below Cal	#	15
16) Acetone	3.960	43	23886	47.08	ug/l	98
17) Carbon Disulfide	4.204	76	25986	4.12	ug/l	98
20) Methylene Chloride	4.722	84	11315	Below Cal		92
25) 2-Butanone	7.009	43	5299	6.21	ug/l	100
31) Cyclohexane	7.801	56	6009	1.62	ug/l #	10
36) 1,1-Dichloropropene	7.795	75	17585	4.72	ug/l #	49
37) Ethyl Acetate	7.009	43	5299	2.16	ug/l #	71
38) Carbon Tetrachloride	7.801	117	20672	6.37	ug/l #	16
39) Methylcyclohexane	9.185	83	7275	1.77	ug/l	89
52) Toluene	10.246	92	8706	1.35	ug/l	99
55) 1,1,2-Trichloroethane	10.624	97	4987	2.41	ug/l #	20
59) 2-Hexanone	10.801	43	6722	4.31	ug/l #	25
68) m/p-Xylenes	11.697	106	9101	1.70	ug/l	97
69) o-Xylene	12.032	106	8740	1.75	ug/l	98
74) N-amyl acetate	12.124	43	6843	1.69	ug/l #	57
76) 1,2,3-Trichloropropane	12.483	75	98989	54.27	ug/l #	100
77) Bromobenzene	12.435	156	9431	3.36	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	30593	2.95	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	98989	99.73	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	50554	4.91	ug/l	100
86) p-Isopropyltoluene	13.373	119	13370	1.22	ug/l	99
90) Hexachloroethane	13.971	117	2586	1.59	ug/l #	14
95) Naphthalene	15.239	128	133101	20.41	ug/l	99

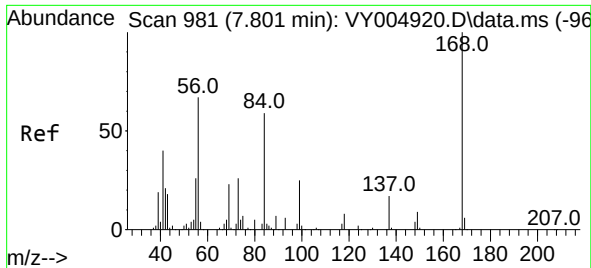
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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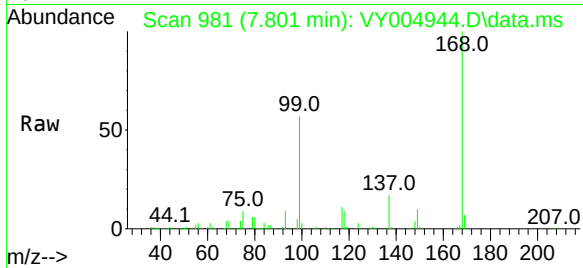
Quant Time: Jun 04 01:18:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 03 04:43:33 2021
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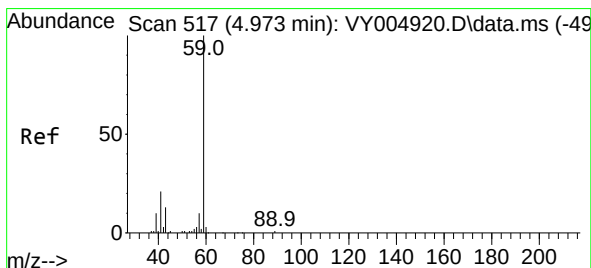
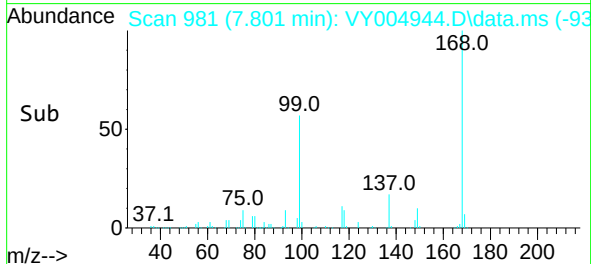
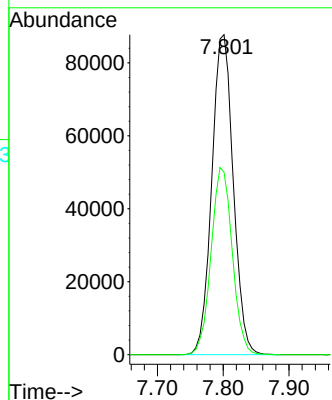


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Instrument :
MSVOA_Y
ClientSampled :

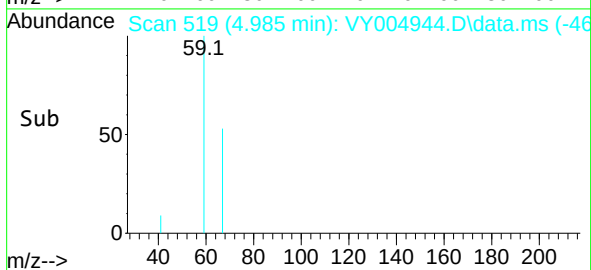
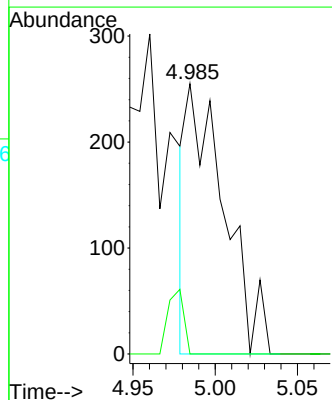
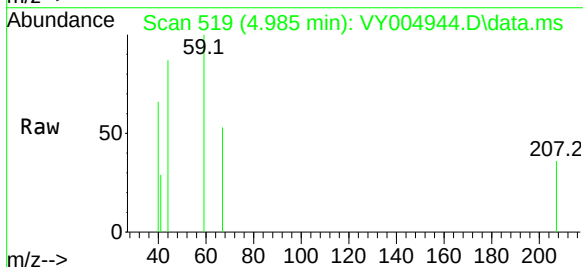


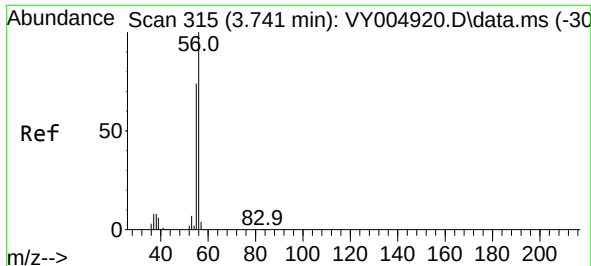
Tgt Ion:168 Resp: 199341
Ion Ratio Lower Upper
168 100
99 57.0 43.9 65.9



#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

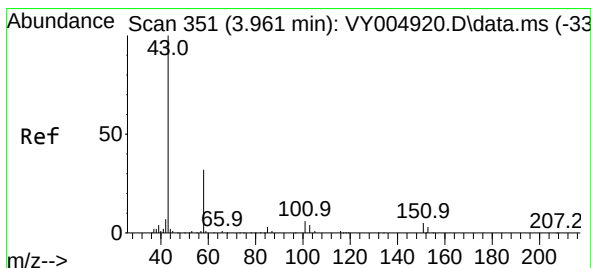
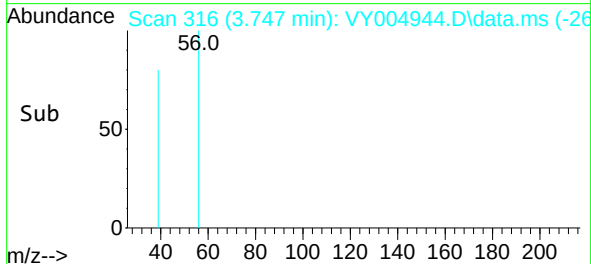
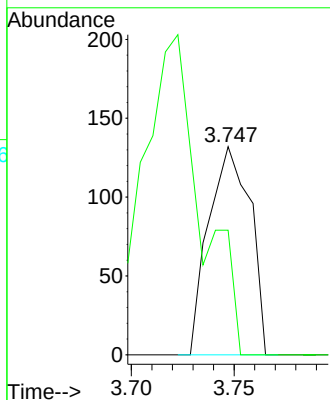
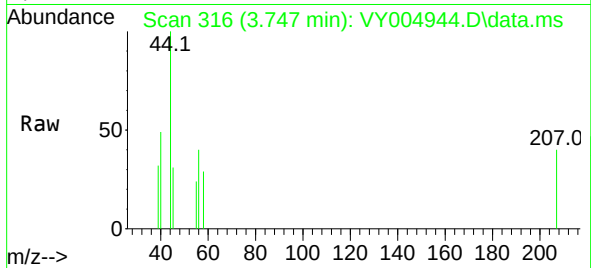




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

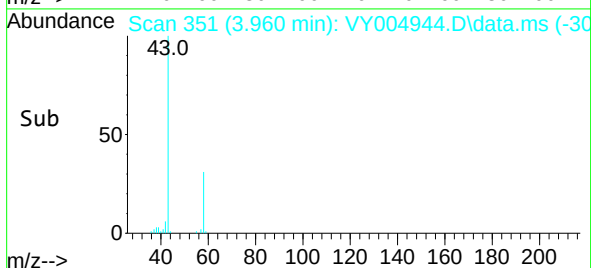
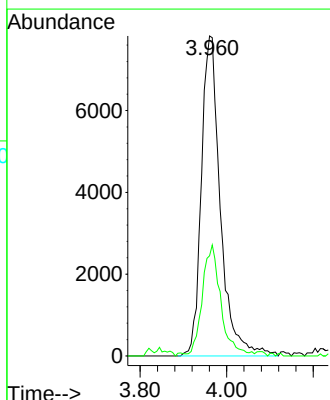
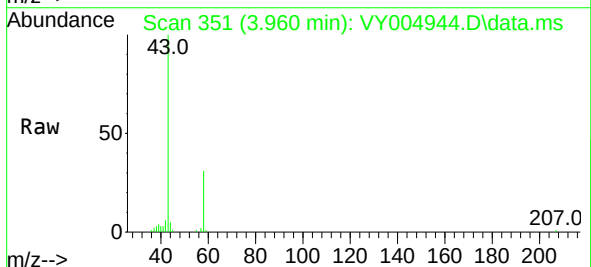
Instrument :
MSVOA_Y
ClientSampled :

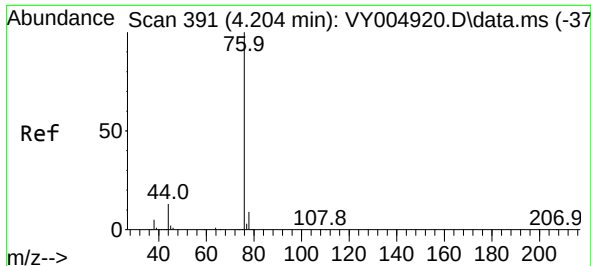
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 47.08 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 43 Resp: 23886
Ion Ratio Lower Upper
43 100
58 30.6 25.3 37.9

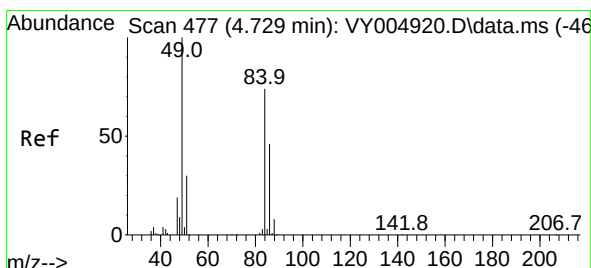
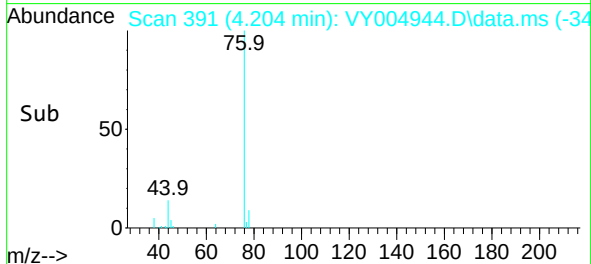
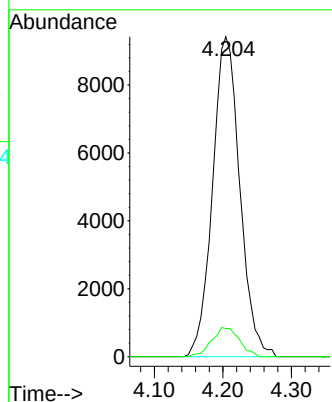
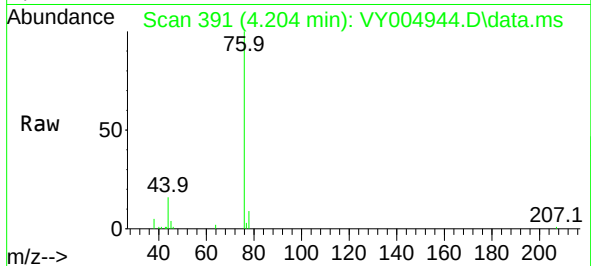




#17
Carbon Disulfide
Concen: 4.12 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

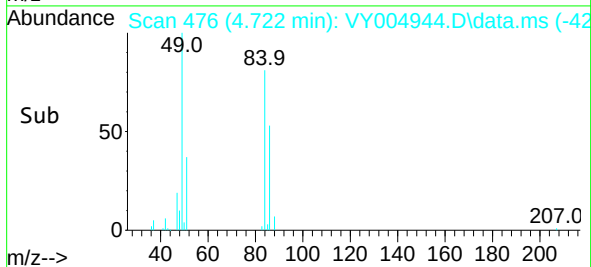
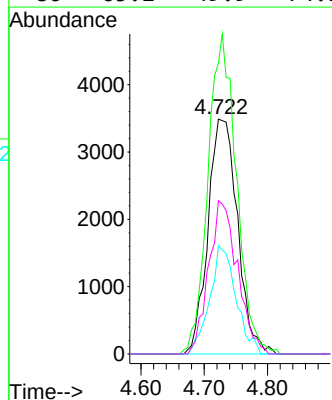
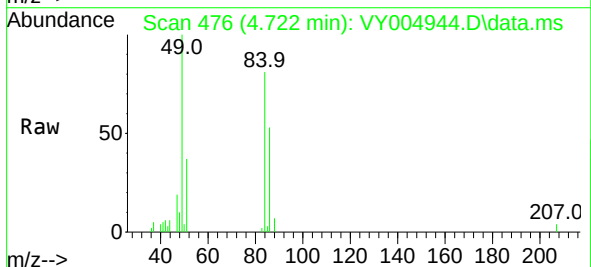
Instrument :
MSVOA_Y
ClientSampled :

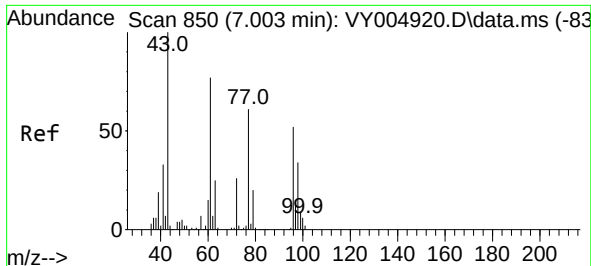
Tgt Ion: 76 Resp: 25986
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 84 Resp: 11315
Ion Ratio Lower Upper
84 100
49 123.8 108.0 162.0
51 46.1 32.6 48.8
86 65.2 49.9 74.9

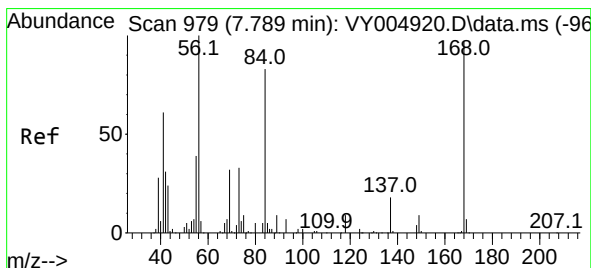
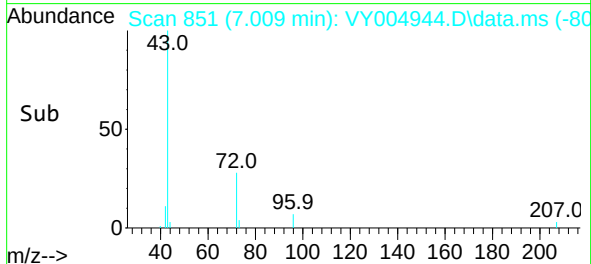
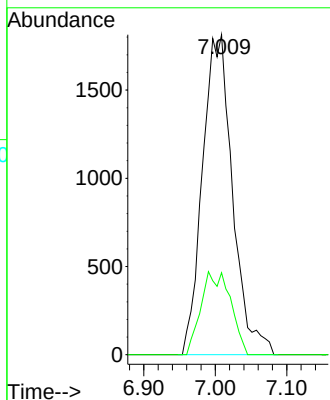
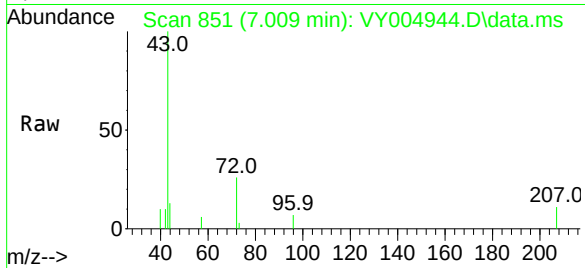




#25
2-Butanone
Concen: 6.21 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

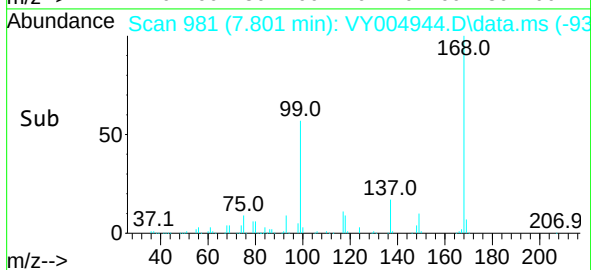
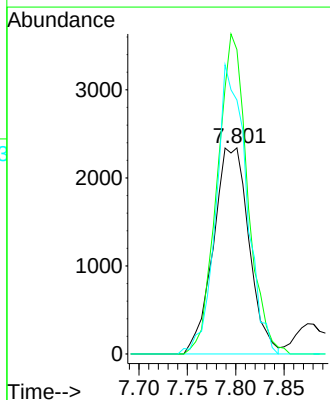
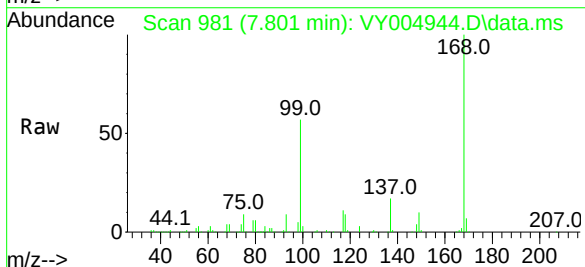
Instrument :
MSVOA_Y
ClientSampled :

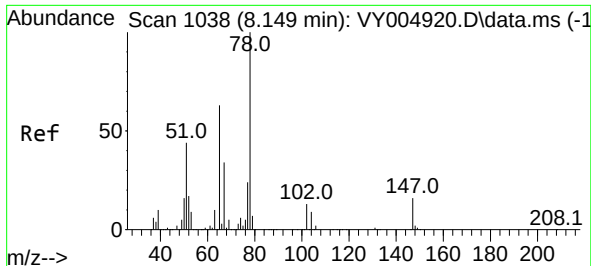
Tgt Ion: 43 Resp: 5299
Ion Ratio Lower Upper
43 100
72 25.6 20.6 31.0



#31
Cyclohexane
Concen: 1.62 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 56 Resp: 6009
Ion Ratio Lower Upper
56 100
69 147.7 25.3 37.9#
84 123.2 66.2 99.4#

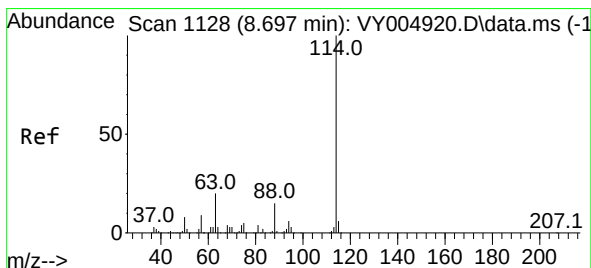
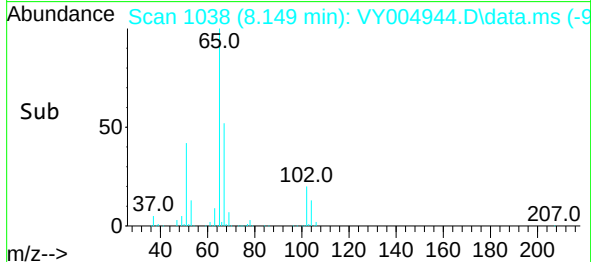
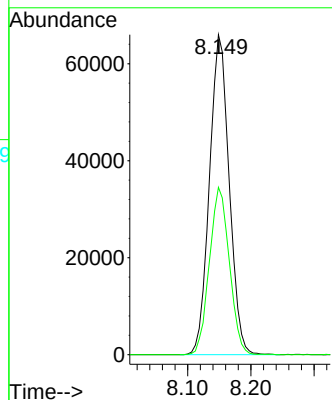
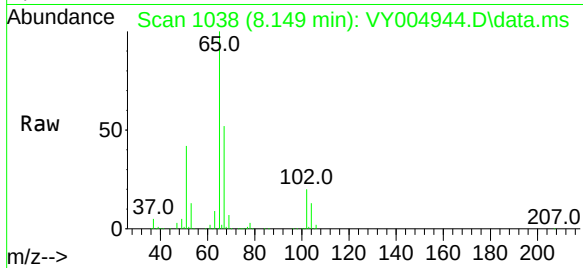




#33
1,2-Dichloroethane-d4
Concen: 67.77 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

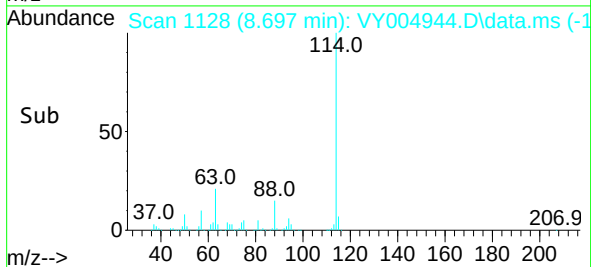
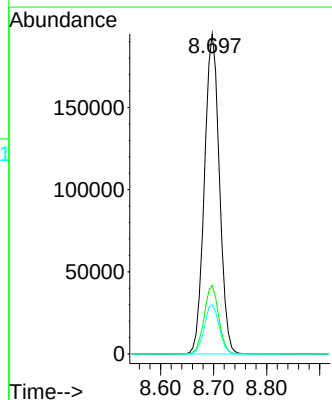
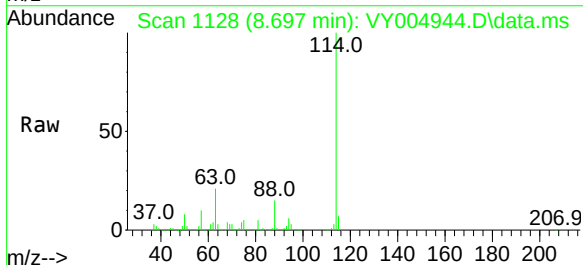
Instrument :
MSVOA_Y
ClientSampled :

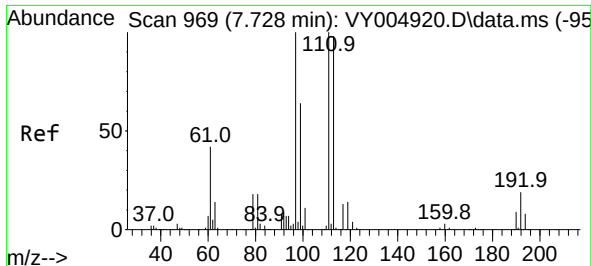
Tgt Ion: 65 Resp: 142810
Ion Ratio Lower Upper
65 100
67 52.9 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion:114 Resp: 380757
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.0
88 15.4 0.0 30.6

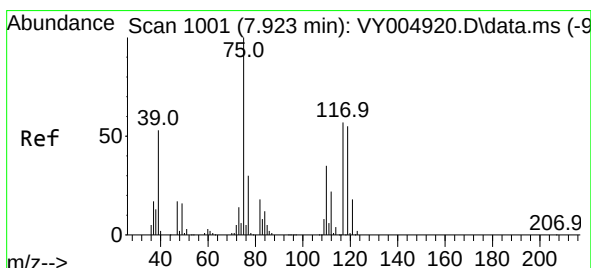
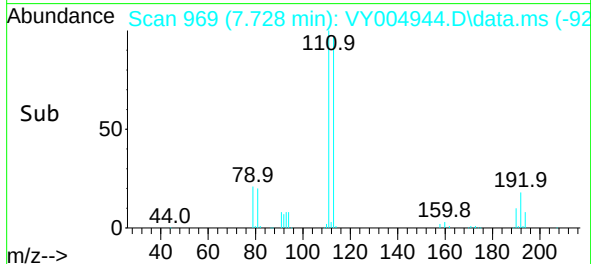
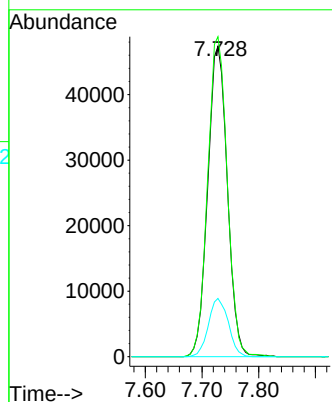
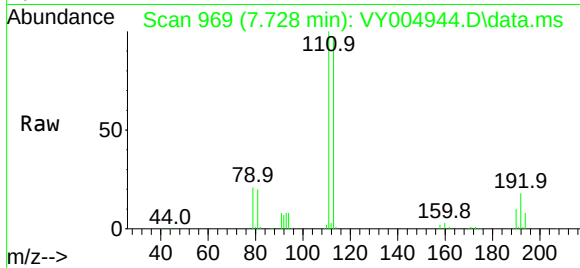




#35
Dibromofluoromethane
Concen: 55.55 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

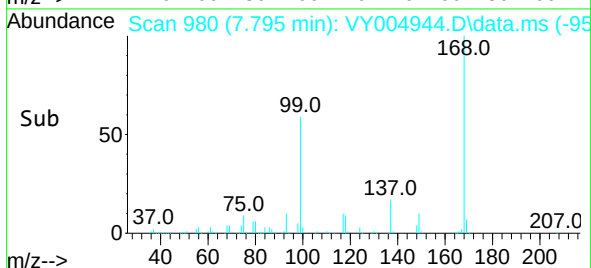
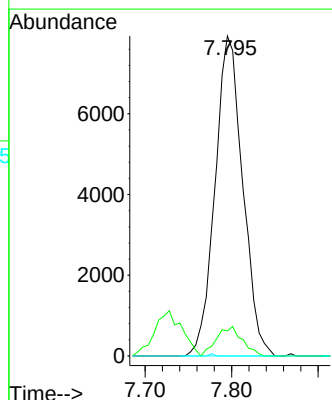
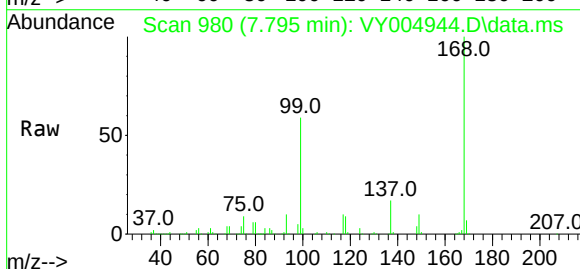
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MSVOA_Y
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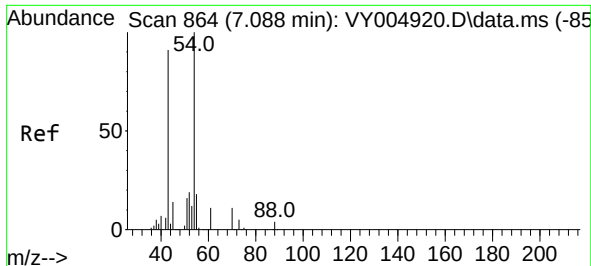
Tgt Ion:	113	Resp:	113801
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	19.0	15.3	22.9



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion:	75	Resp:	17585
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.5	52.5#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 2.16 ug/l

RT: 7.009 min Scan# 851

Delta R.T. -0.079 min

Lab File: VY004944.D

Acq: 03 Jun 2021 18:09

Tgt Ion: 43 Resp: 5299

Ion Ratio Lower Upper

43 100

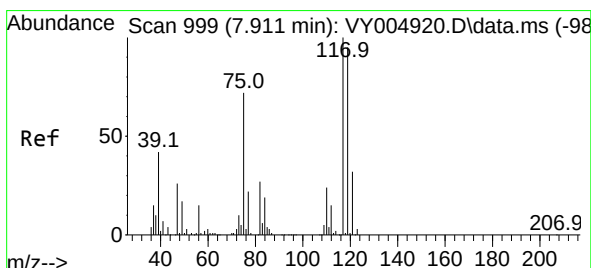
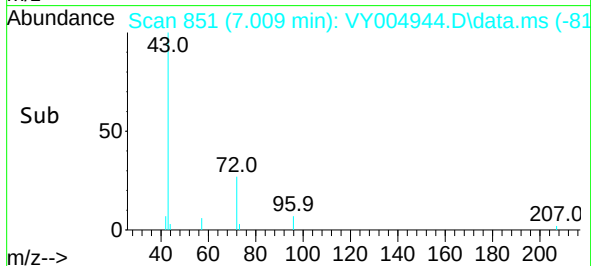
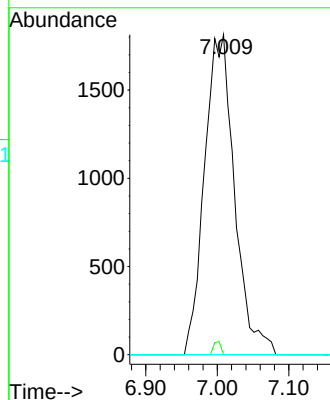
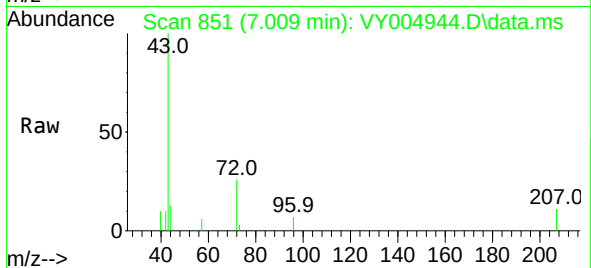
61 1.0 10.5 15.7#

70 0.0 7.9 11.9#

Instrument :

MSVOA_Y

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY004944.D

Acq: 03 Jun 2021 18:09

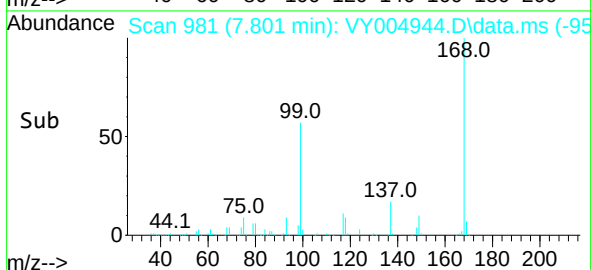
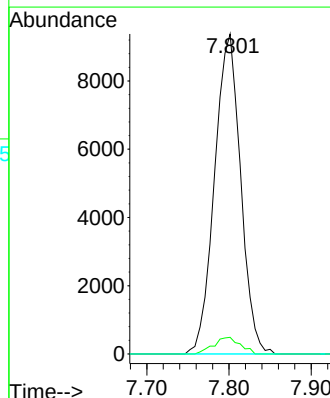
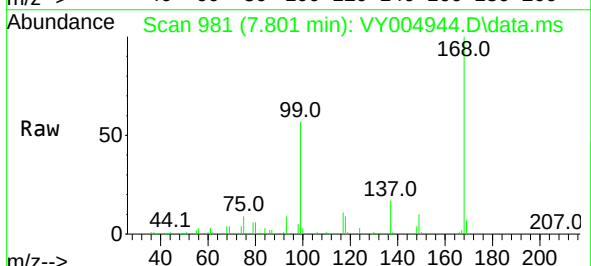
Tgt Ion: 117 Resp: 20672

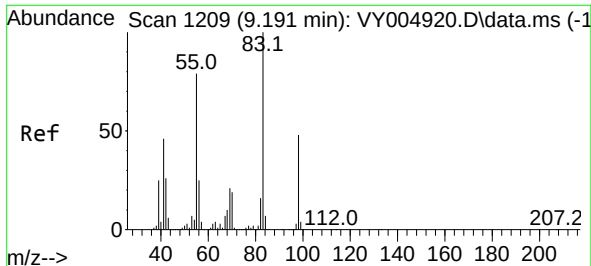
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 25.5 38.3#

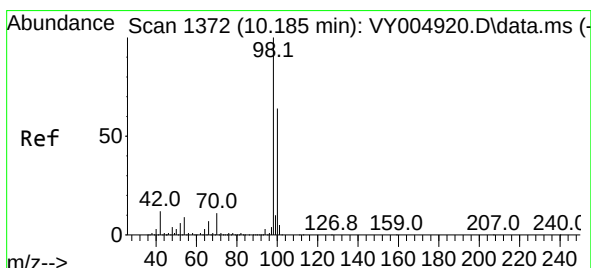
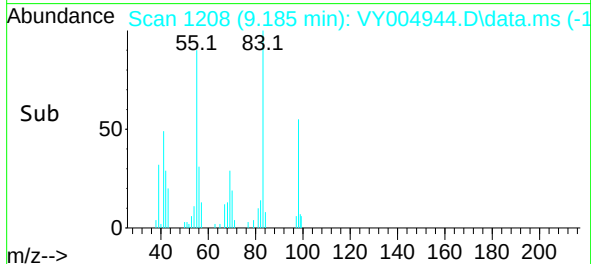
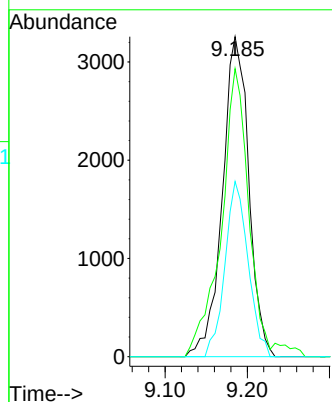
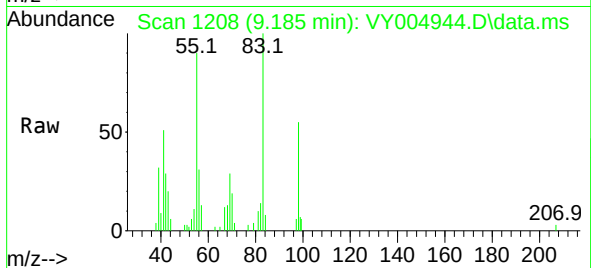




#39
Methylcyclohexane
Concen: 1.77 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

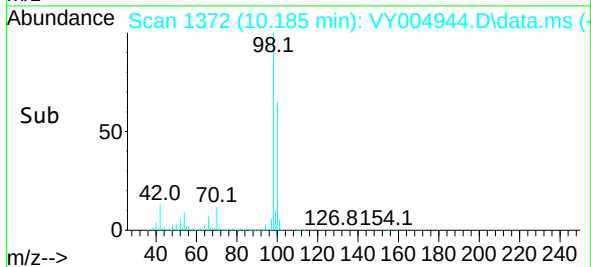
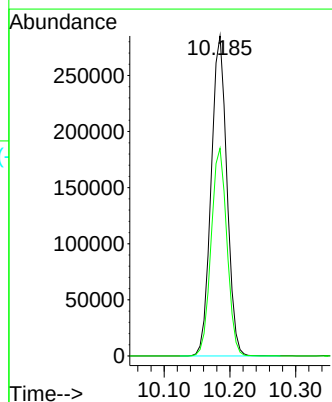
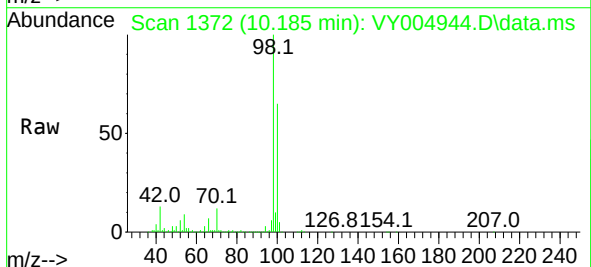
Instrument :
MSVOA_Y
ClientSampleId :

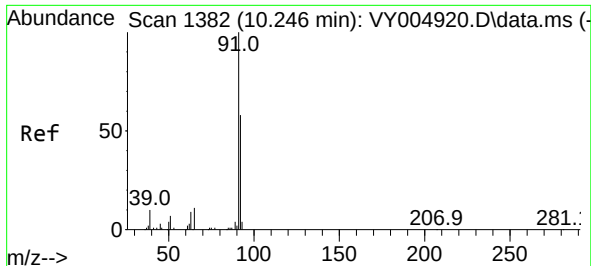
Tgt Ion: 83 Resp: 7275
Ion Ratio Lower Upper
83 100
55 90.0 63.1 94.7
98 54.7 38.6 58.0



#50
Toluene-d8
Concen: 55.85 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 98 Resp: 475135
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6

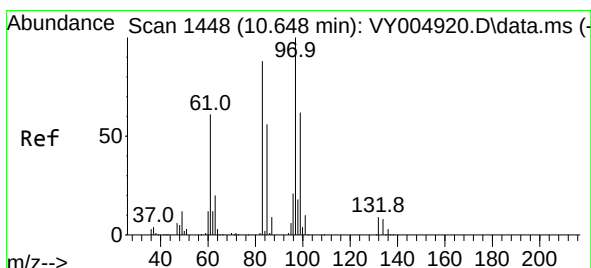
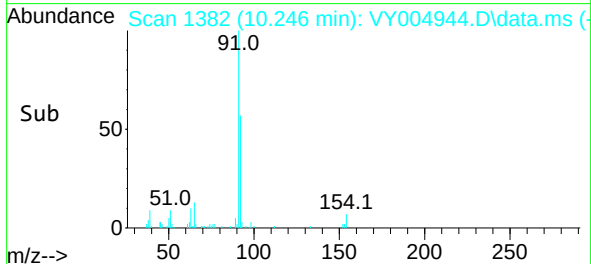
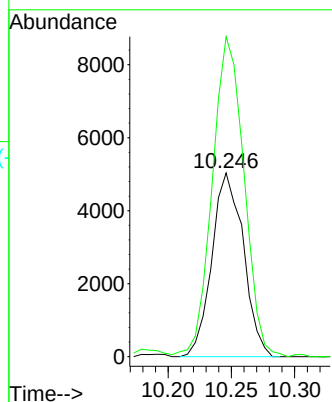
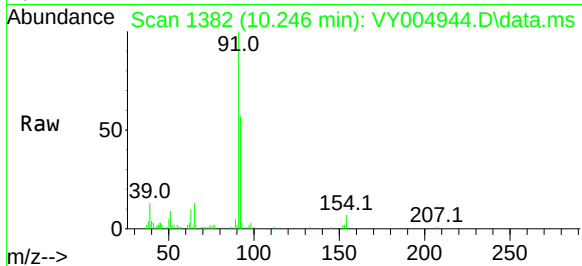




#52
Toluene
Concen: 1.35 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

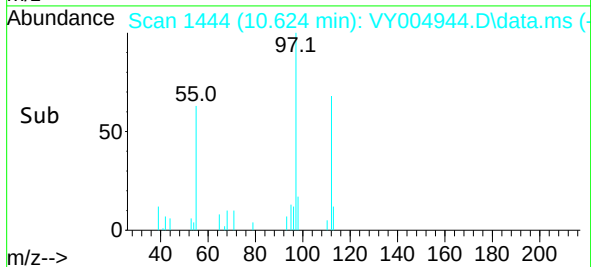
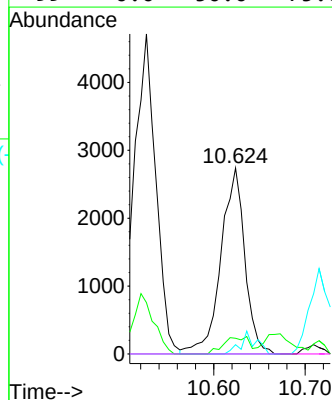
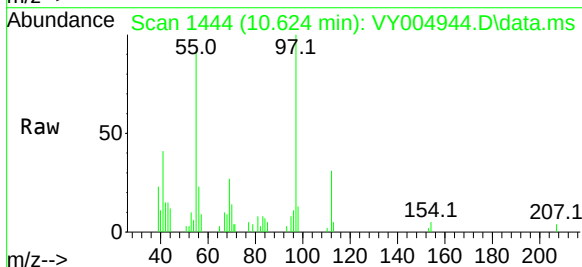
Instrument :
MSVOA_Y
ClientSampled :

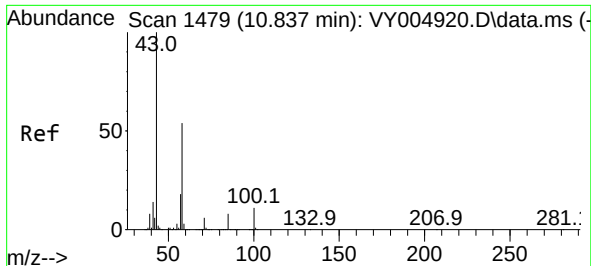
Tgt Ion: 92 Resp: 8706
Ion Ratio Lower Upper
92 100
91 175.5 139.3 208.9



#55
1,1,2-Trichloroethane
Concen: 2.41 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 97 Resp: 4987
Ion Ratio Lower Upper
97 100
83 8.5 70.3 105.5#
85 5.0 44.6 66.8#
99 0.0 50.0 75.0#

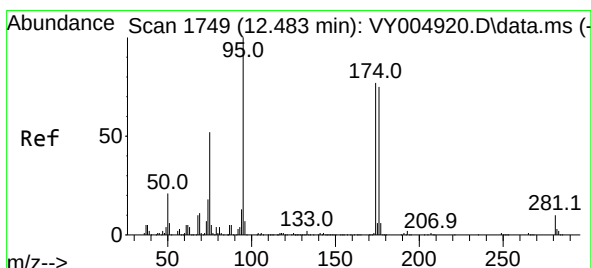
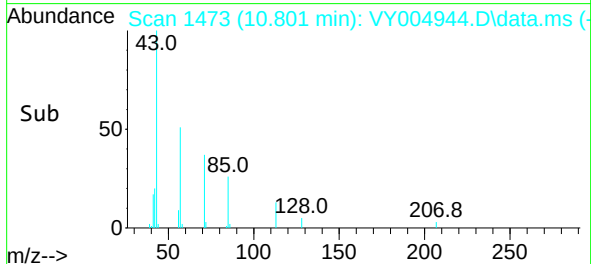
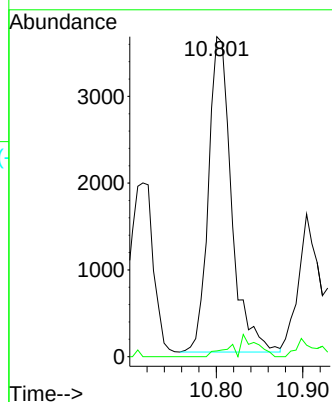
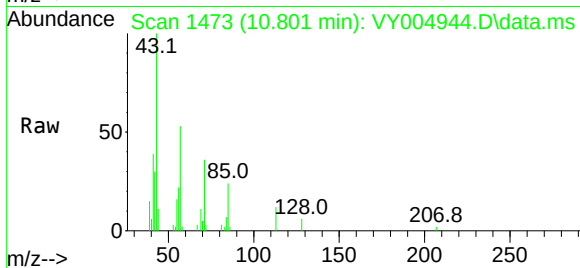




#59
2-Hexanone
Concen: 4.31 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

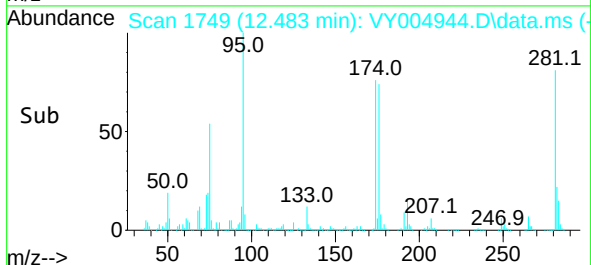
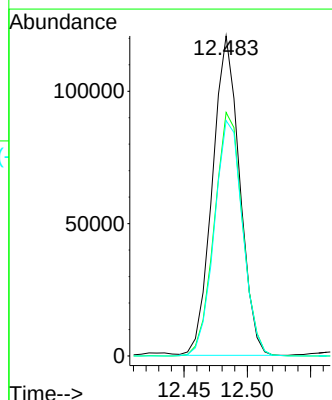
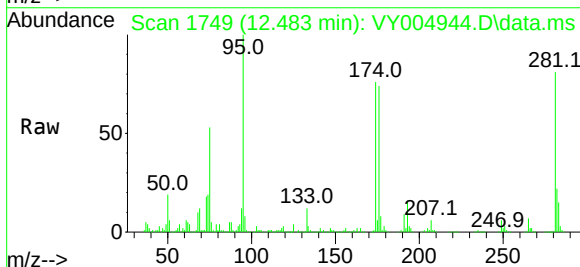
Instrument :
MSVOA_Y
ClientSampleId :

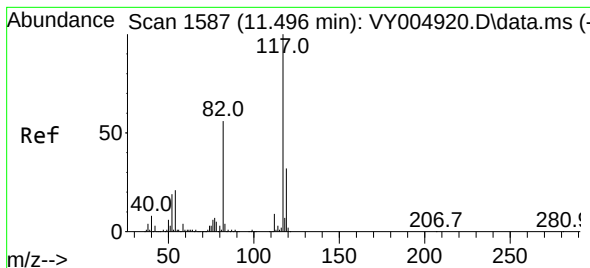
Tgt Ion: 43 Resp: 6722
Ion Ratio Lower Upper
43 100
58 0.0 27.0 80.8#



#62
4-Bromofluorobenzene
Concen: 61.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 95 Resp: 180277
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.8
176 76.6 0.0 155.6

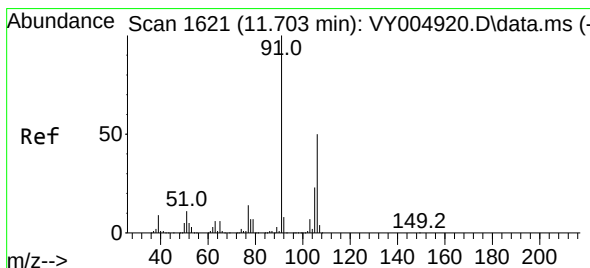
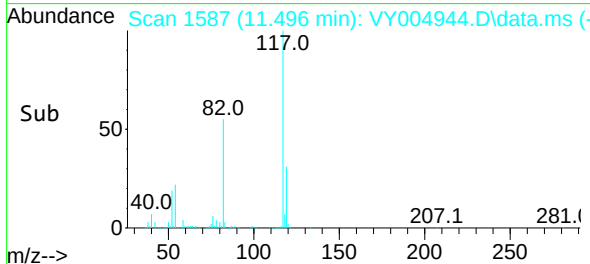
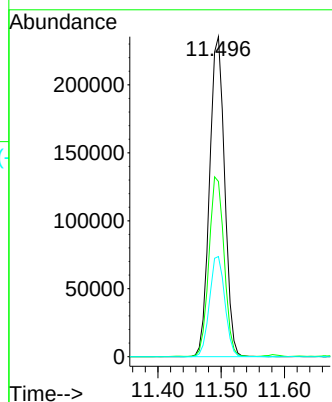
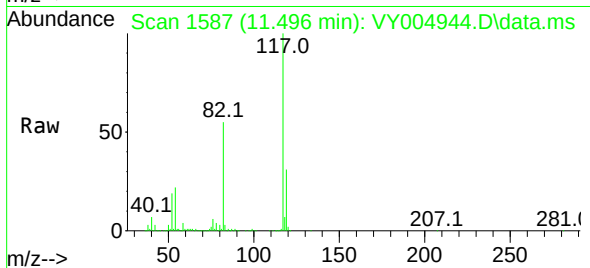




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

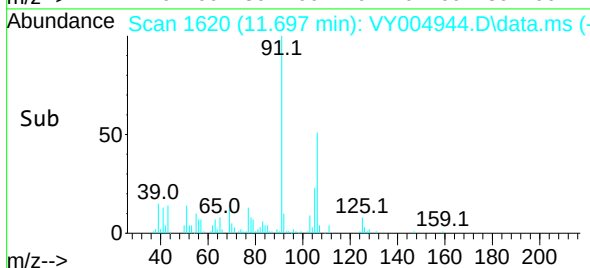
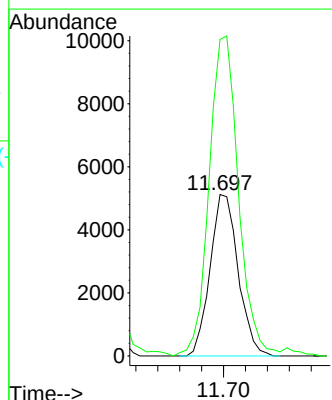
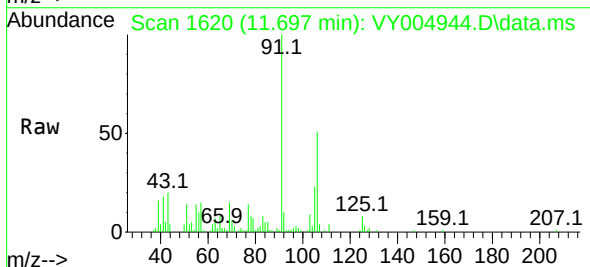
Instrument :
MSVOA_Y
ClientSampleId :

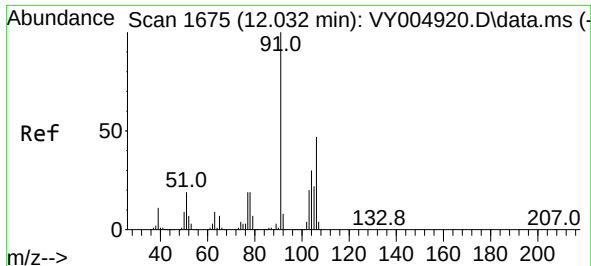
Tgt Ion:117 Resp: 390299
Ion Ratio Lower Upper
117 100
82 54.6 44.8 67.2
119 31.3 25.2 37.8



#68
m/p-Xylenes
Concen: 1.70 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion:106 Resp: 9101
Ion Ratio Lower Upper
106 100
91 206.9 161.9 242.9

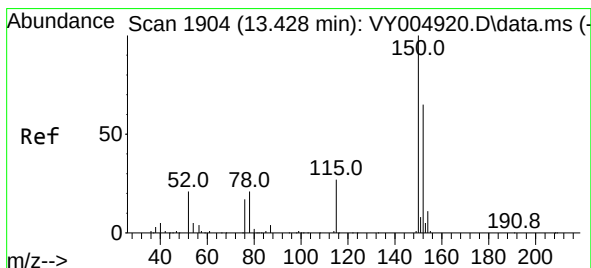
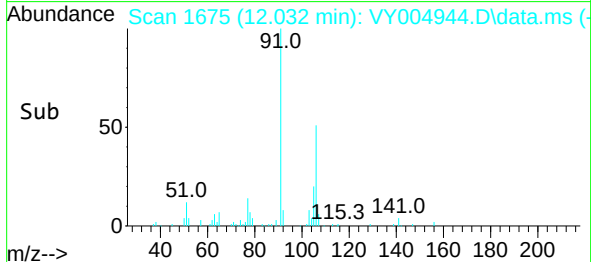
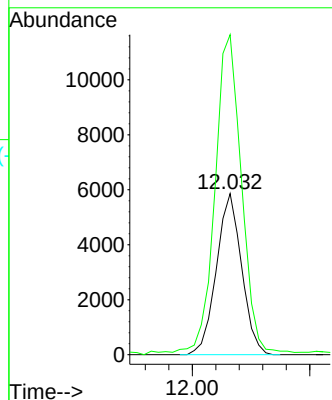
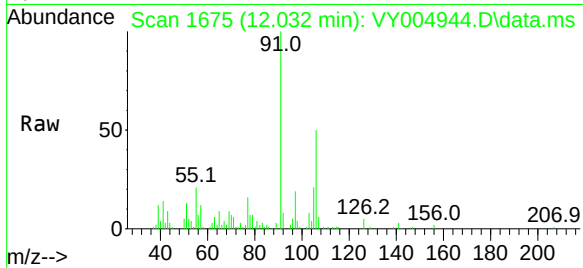




#69
o-Xylene
Concen: 1.75 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

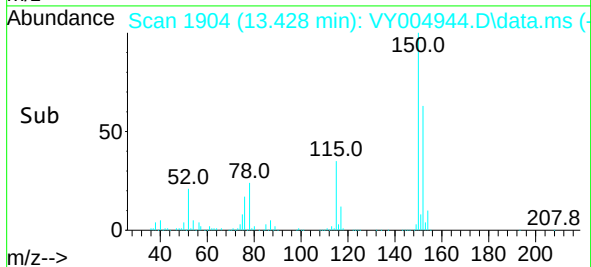
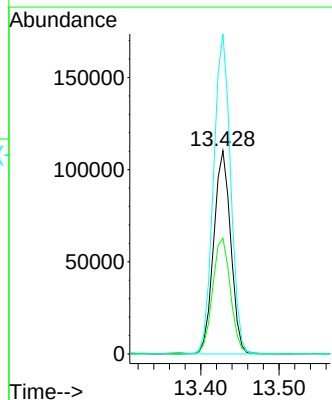
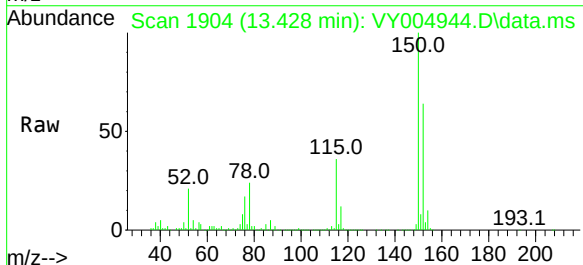
Instrument :
MSVOA_Y
ClientSampleId :

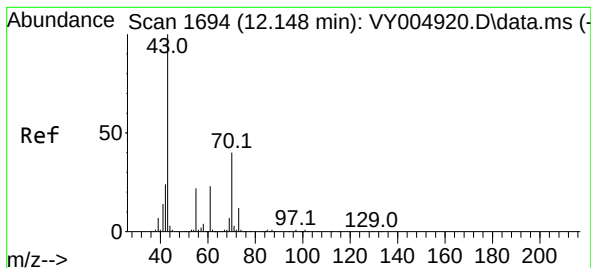
Tgt Ion:106 Resp: 8740
Ion Ratio Lower Upper
106 100
91 212.3 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion:152 Resp: 166399
Ion Ratio Lower Upper
152 100
115 59.8 29.9 89.7
150 158.1 0.0 347.8

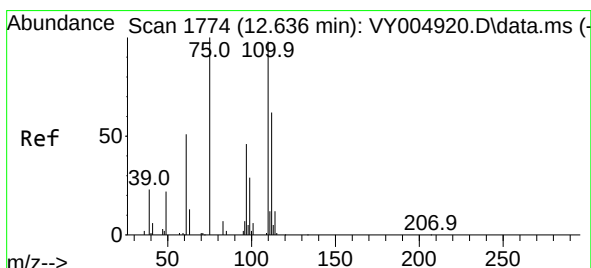
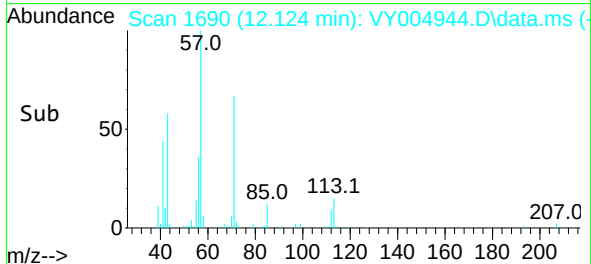
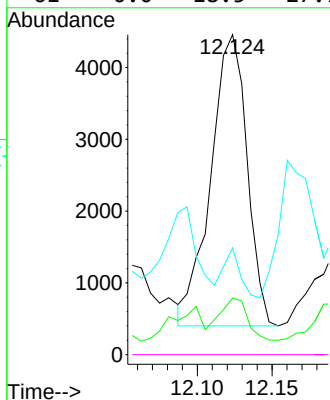
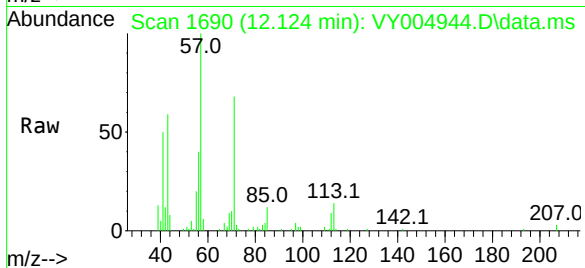




#74
N-amy1 acetate
Concen: 1.69 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

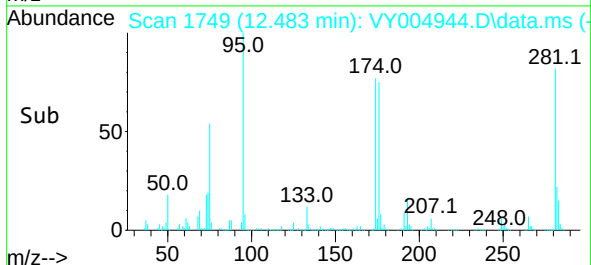
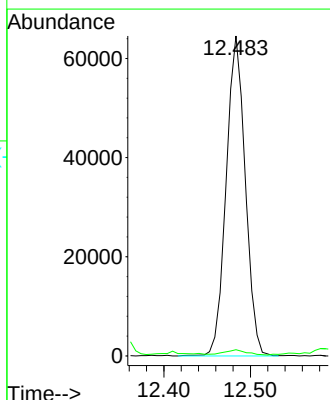
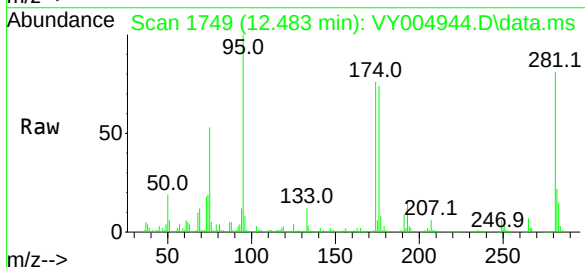
Instrument :
MSVOA_Y
ClientSampleId :

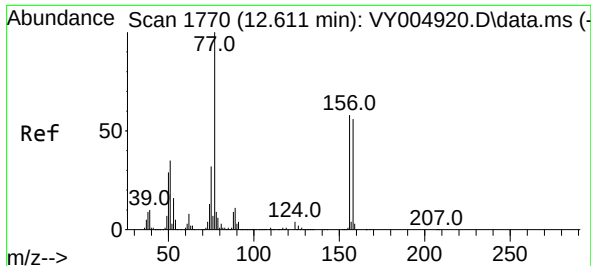
Tgt Ion: 43	Resp: 6843
Ion Ratio	Lower Upper
43 100	
70 11.2	32.0 48.0#
55 7.6	17.9 26.9#
61 0.0	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 54.27 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion: 75	Resp: 98989
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

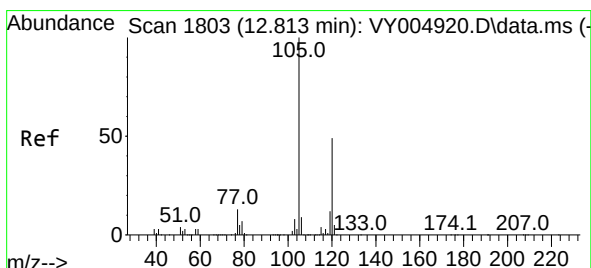
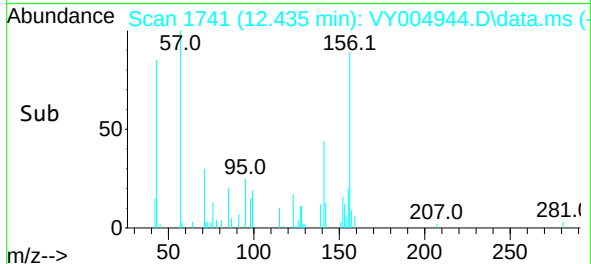
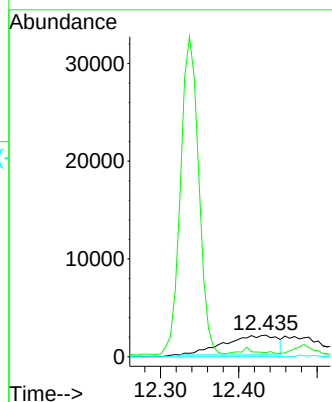
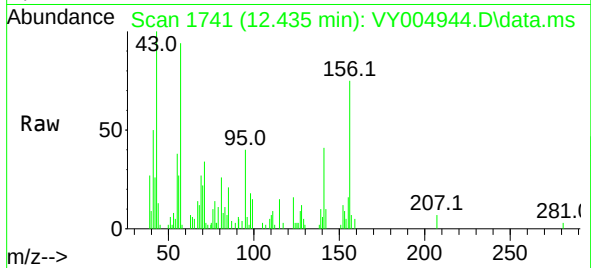




#77
Bromobenzene
Concen: 3.36 ug/l
RT: 12.435 min Scan# 1741
Delta R.T. -0.177 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

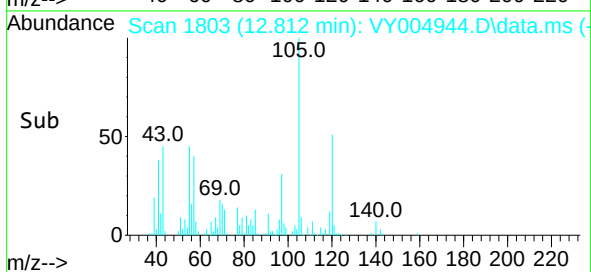
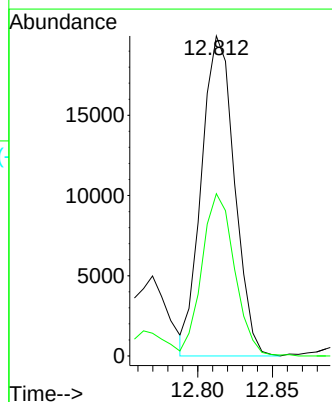
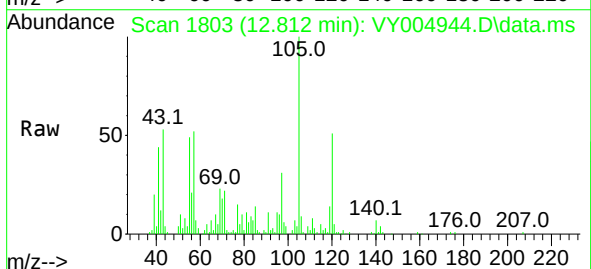
Instrument :
MSVOA_Y
ClientSampleId :

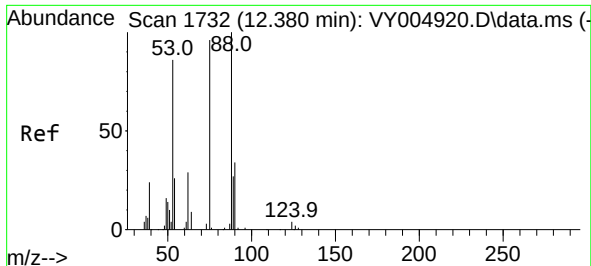
Tgt Ion:156 Resp: 9431
Ion Ratio Lower Upper
156 100
77 0.0 98.0 294.1#
158 0.3 47.7 143.1#



#80
1,3,5-Trimethylbenzene
Concen: 2.95 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

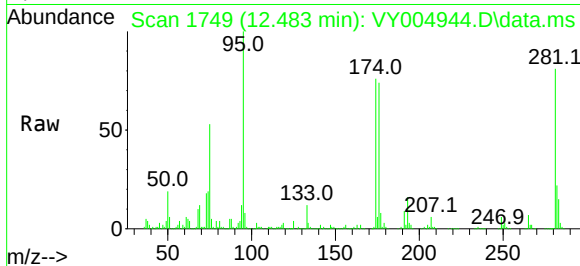
Tgt Ion:105 Resp: 30593
Ion Ratio Lower Upper
105 100
120 50.2 24.5 73.5



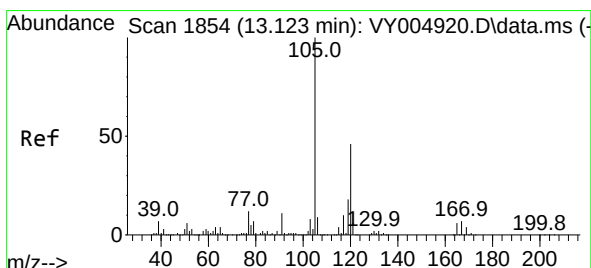
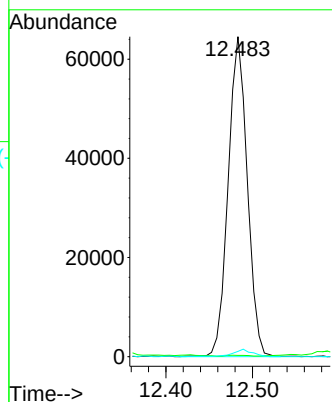
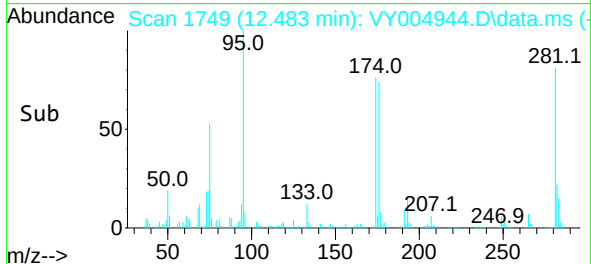


#81
trans-1,4-Dichloro-2-butene
Concen: 99.73 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

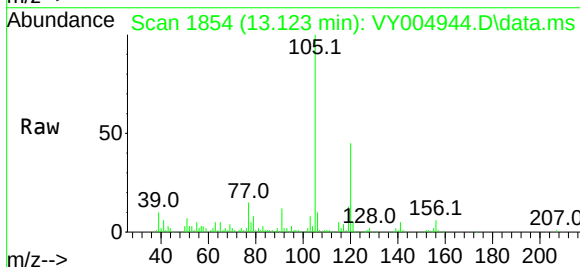
Instrument :
MSVOA_Y
ClientSampled :



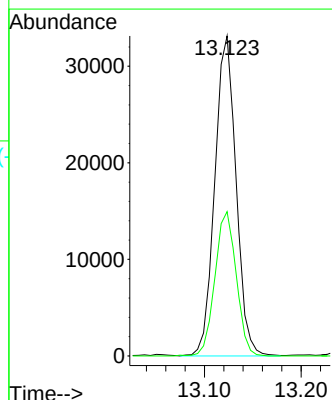
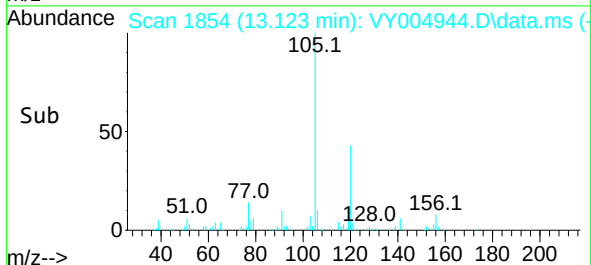
Tgt Ion: 75 Resp: 98989
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 2.4 35.0 52.6#

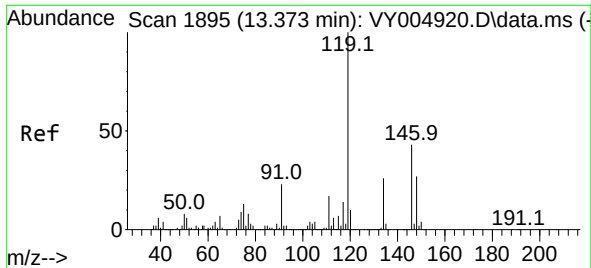


#84
1,2,4-Trimethylbenzene
Concen: 4.91 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09



Tgt Ion: 105 Resp: 50554
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.7

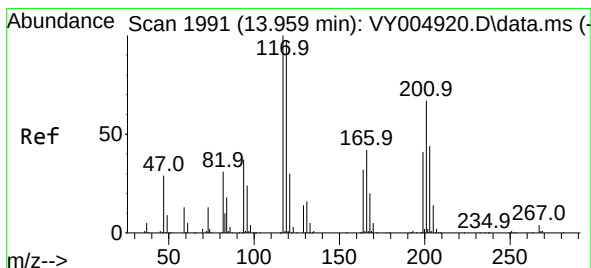
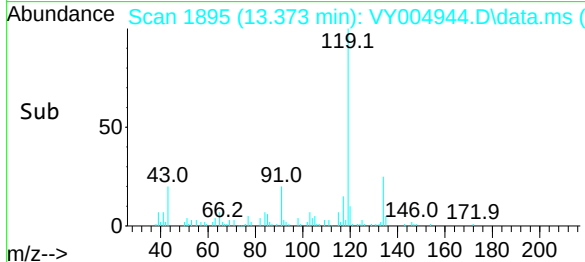
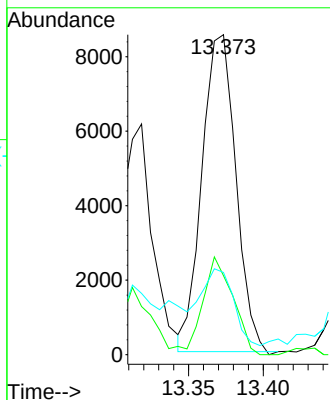
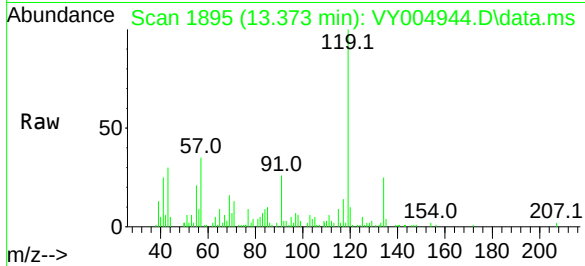




#86
p-Isopropyltoluene
Concen: 1.22 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

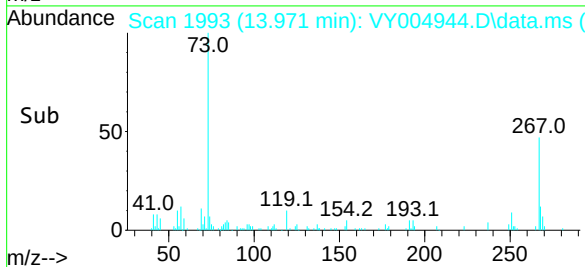
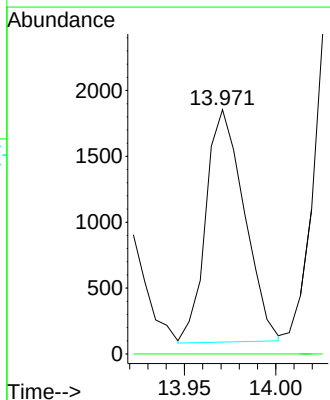
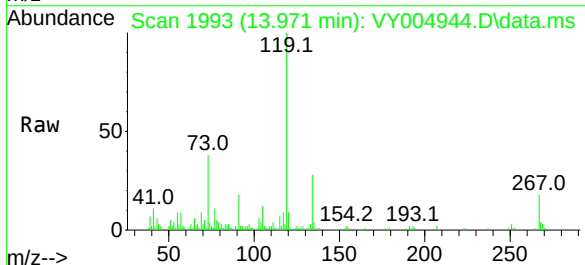
Instrument :
MSVOA_Y
ClientSampleId :

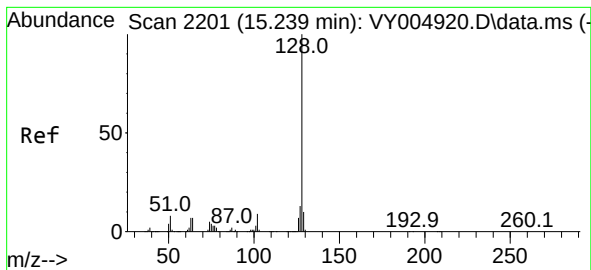
Tgt Ion:	119	Resp:	13370
Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.9	38.7
91	23.7	11.9	35.5



#90
Hexachloroethane
Concen: 1.59 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Tgt Ion:	117	Resp:	2586
Ion	Ratio	Lower	Upper
117	100		
201	0.0	35.9	107.5#





#95
Naphthalene
Concen: 20.41 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004944.D
Acq: 03 Jun 2021 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 133101
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.5 8.7 13.1

