

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004950.D
 Acq On : 03 Jun 2021 20:28
 Operator : SY/MD
 Sample : M2589-20
 Misc : 12.47G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:20:20 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)

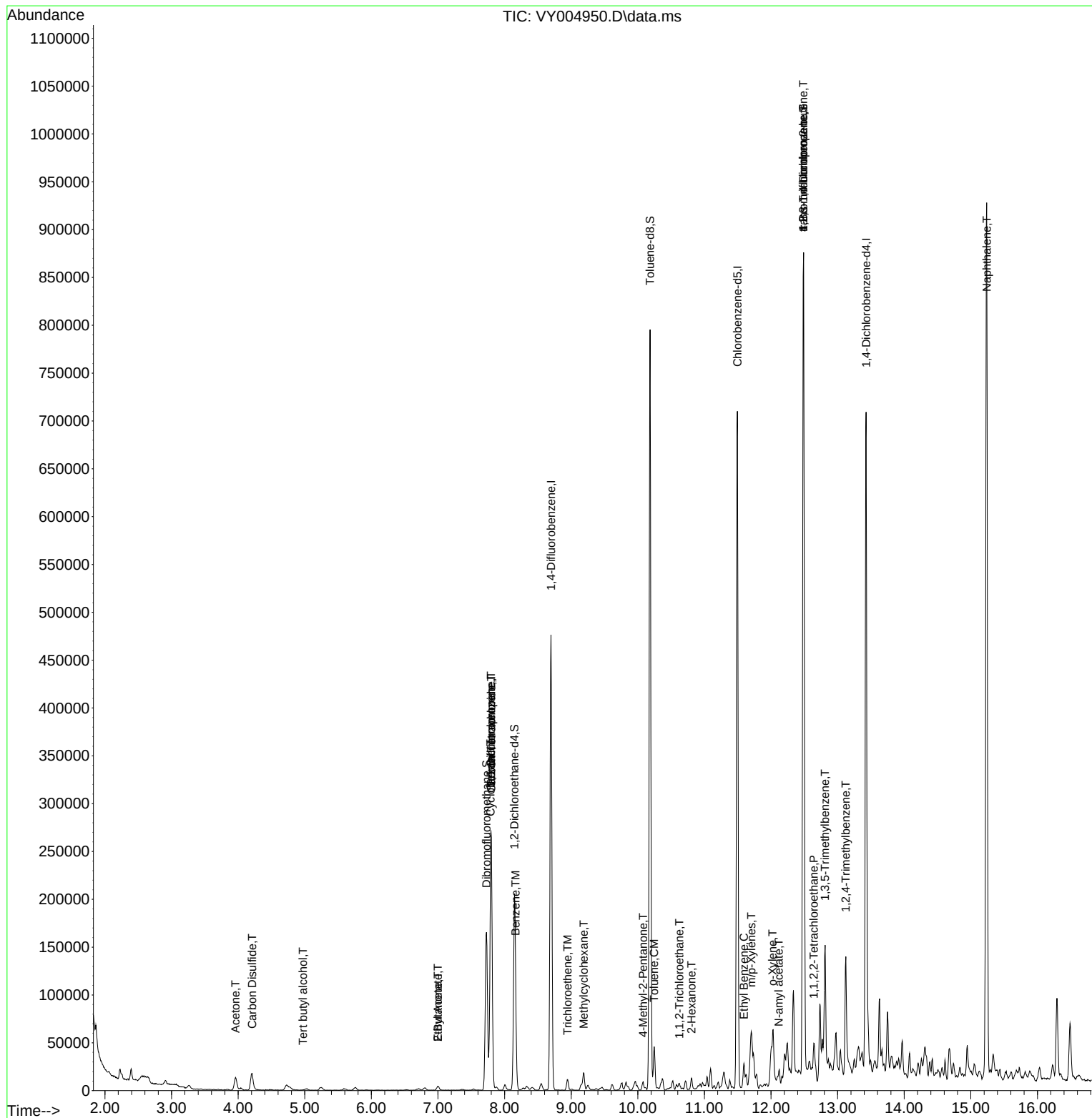
Internal Standards						
1) Pentafluorobenzene	7.795	168	204247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	388995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	382444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148897	68.96	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.92%			
35) Dibromofluoromethane	7.728	113	118573	56.66	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.32%			
50) Toluene-d8	10.185	98	491057	56.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.00%			
62) 4-Bromofluorobenzene	12.483	95	177603	59.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.82%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	845	3.40	ug/l #	74
13) Acrolein	3.735	56	106	Below Cal	#	15
16) Acetone	3.960	43	23528	45.26	ug/l	99
17) Carbon Disulfide	4.210	76	33596	5.20	ug/l	100
20) Methylene Chloride	4.728	84	3277	Below Cal		95
25) 2-Butanone	6.996	43	5893	6.74	ug/l	99
31) Cyclohexane	7.789	56	8065	2.12	ug/l #	30
36) 1,1-Dichloropropene	7.795	75	16700	4.39	ug/l #	50
37) Ethyl Acetate	6.996	43	5893	2.35	ug/l #	88
38) Carbon Tetrachloride	7.801	117	20933	6.32	ug/l #	16
39) Methylcyclohexane	9.191	83	6470	1.54	ug/l	97
40) Benzene	8.167	78	19973	1.83	ug/l	100
44) Trichloroethene	8.947	130	3818	1.34	ug/l	92
51) 4-Methyl-2-Pentanone	10.081	43	5556	2.36	ug/l	91
52) Toluene	10.246	92	17856	2.71	ug/l	100
55) 1,1,2-Trichloroethane	10.624	97	2238	1.06	ug/l #	22
59) 2-Hexanone	10.807	43	9046	5.68	ug/l #	25
67) Ethyl Benzene	11.593	91	15230	1.09	ug/l	98
68) m/p-Xylenes	11.703	106	12371	2.36	ug/l	98
69) o-Xylene	12.026	106	11670	2.39	ug/l	96
74) N-amyl acetate	12.117	43	5412	1.31	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.642	83	3481	1.35	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	97404	52.24	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	34742	3.28	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	97404	96.01	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	63876	6.06	ug/l	100
95) Naphthalene	15.239	128	743692	111.56	ug/l	99

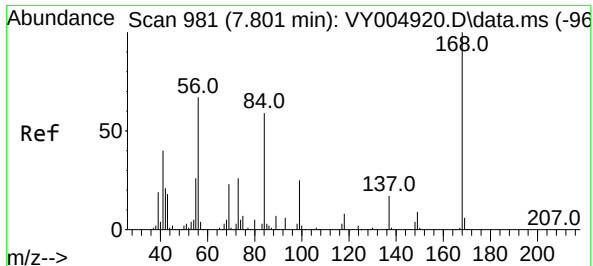
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

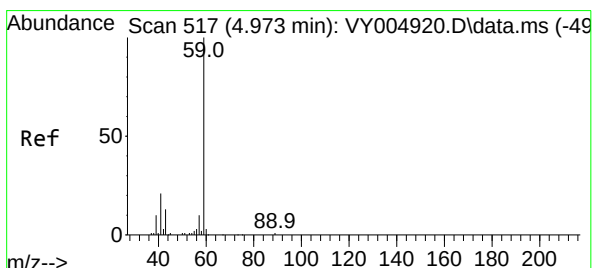
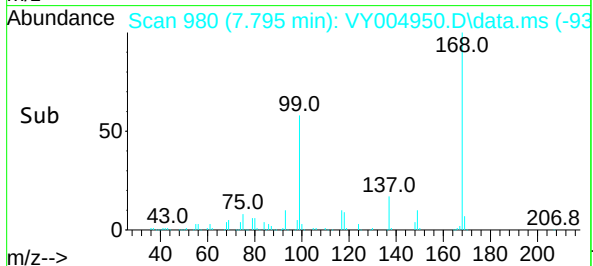
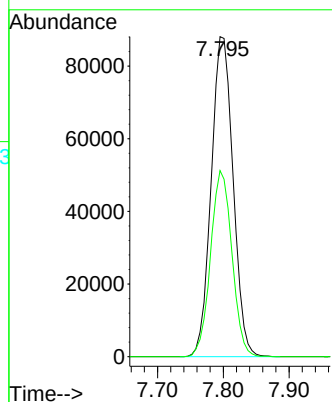
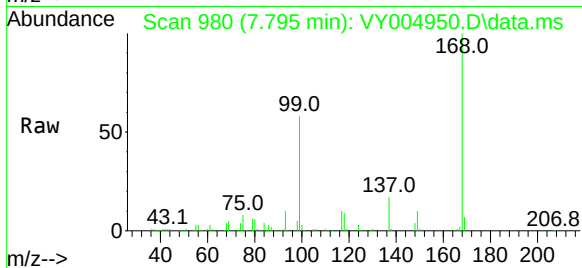




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

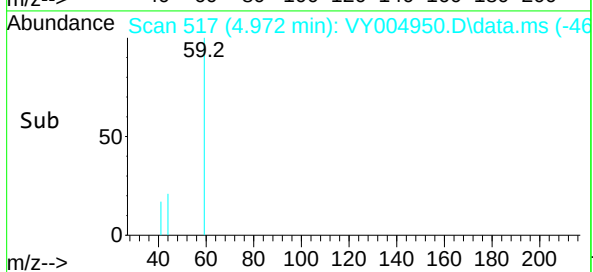
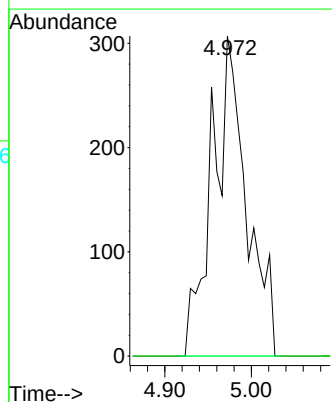
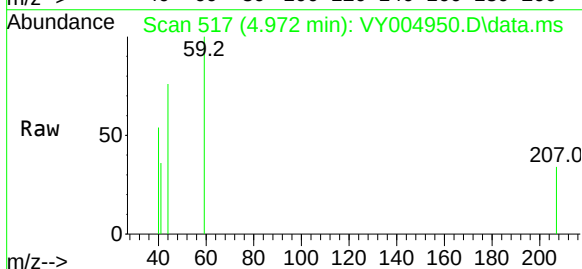
Instrument :
MSVOA_Y
ClientSampleId :

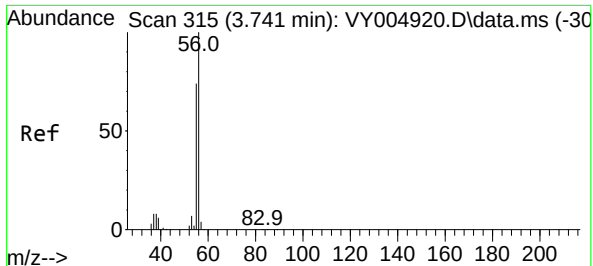
Tgt Ion:168 Resp: 204247
Ion Ratio Lower Upper
168 100
99 58.2 43.9 65.9



#11
Tert butyl alcohol
Concen: 3.40 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.001 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

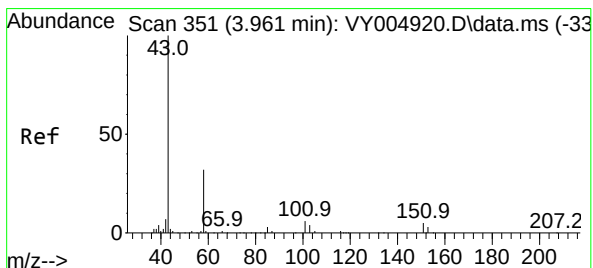
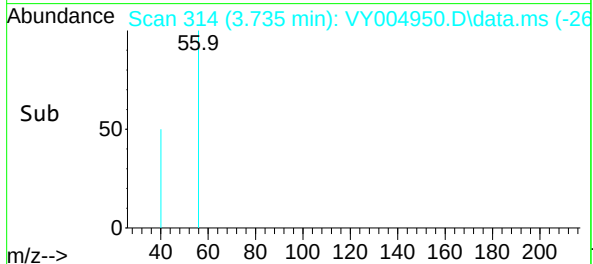
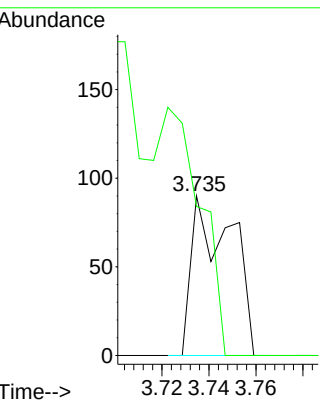
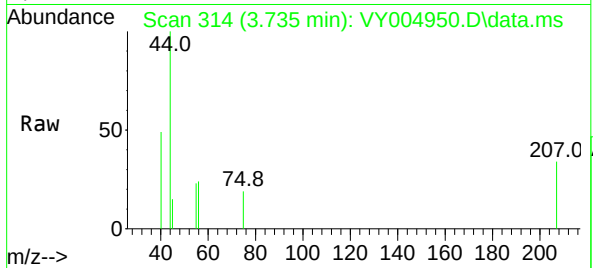




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

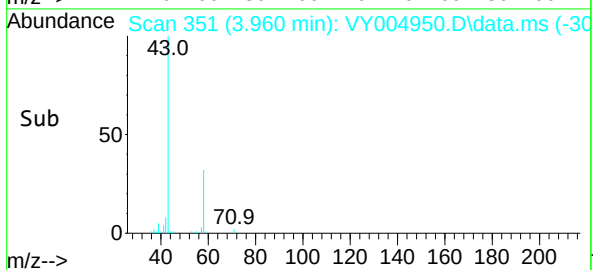
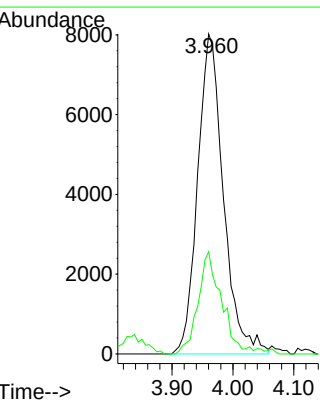
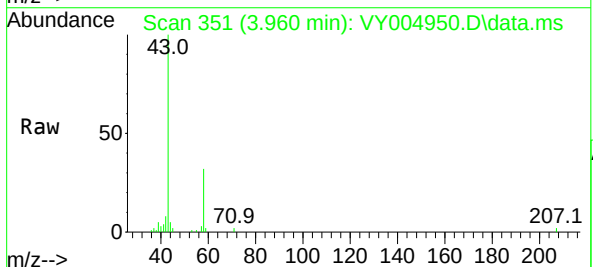
Instrument :
MSVOA_Y
ClientSampled :

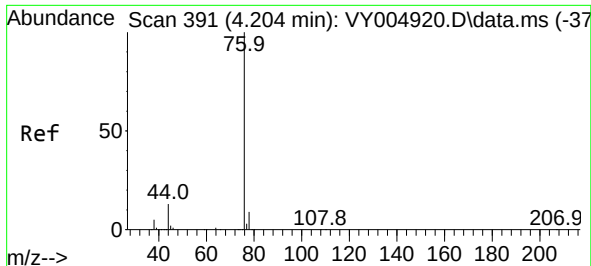
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 45.26 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

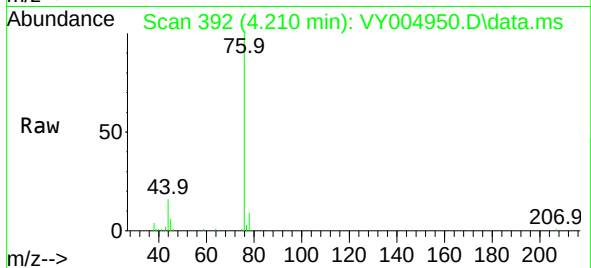
Tgt Ion: 43 Resp: 23528
Ion Ratio Lower Upper
43 100
58 31.9 25.3 37.9



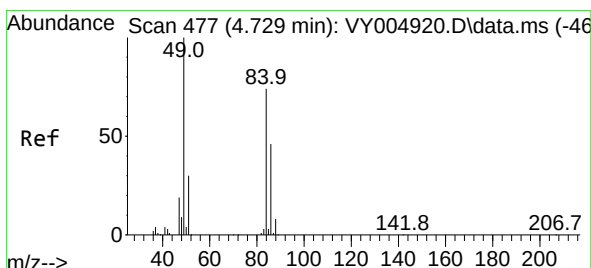
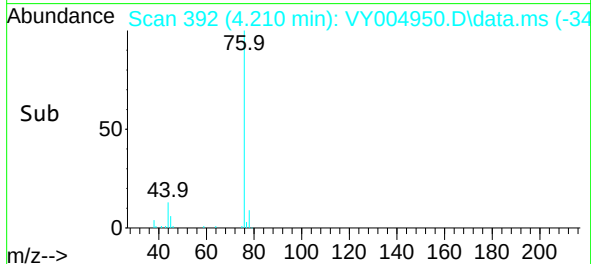
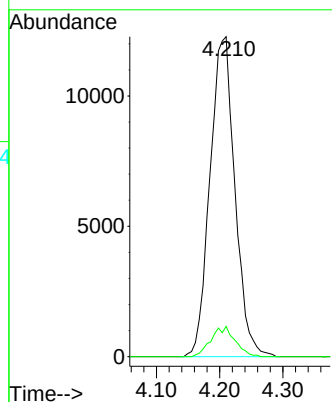


#17
Carbon Disulfide
Concen: 5.20 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_Y
ClientSampled :

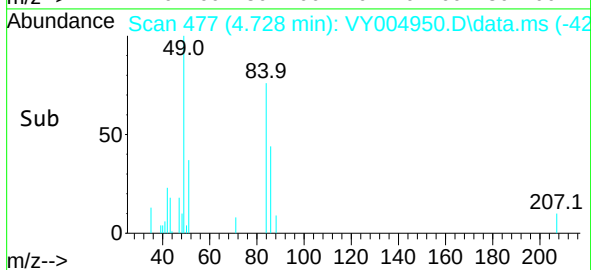
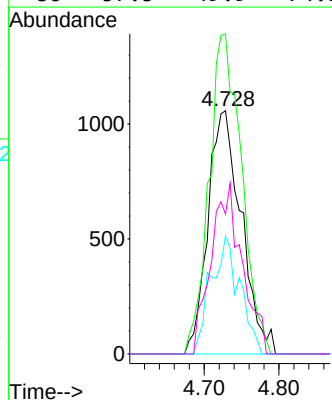
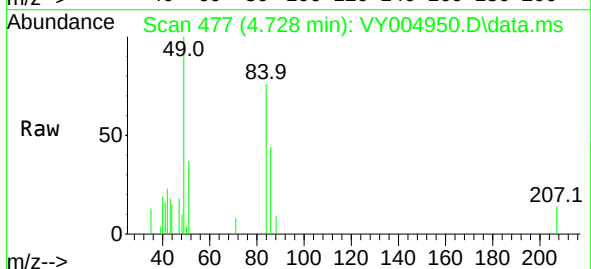


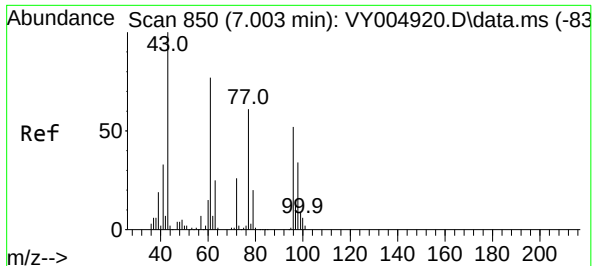
Tgt Ion: 76 Resp: 33596
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 84 Resp: 3277
Ion Ratio Lower Upper
84 100
49 131.6 108.0 162.0
51 48.5 32.6 48.8
86 57.5 49.9 74.9





#25

2-Butanone

Concen: 6.74 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY004950.D

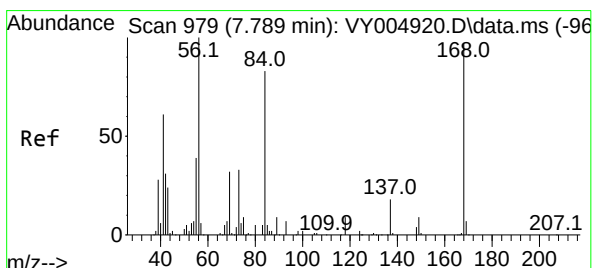
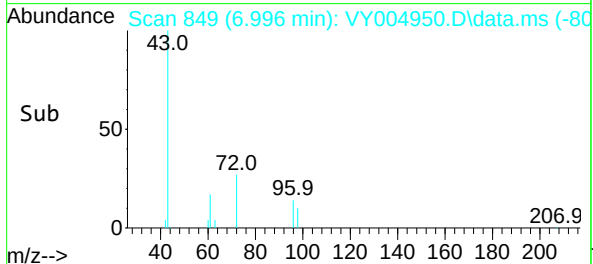
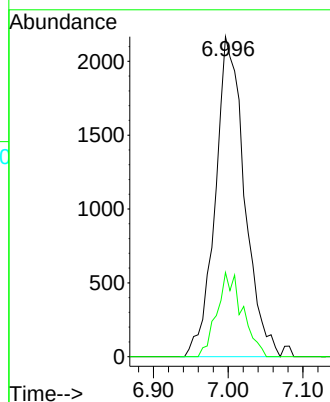
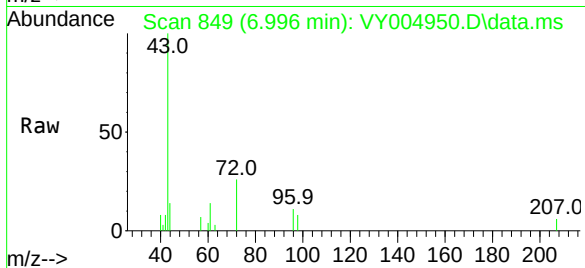
Acq: 03 Jun 2021 20:28

Tgt Ion: 43 Resp: 5893

Ion Ratio Lower Upper

43 100

72 26.3 20.6 31.0



#31

Cyclohexane

Concen: 2.12 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY004950.D

Acq: 03 Jun 2021 20:28

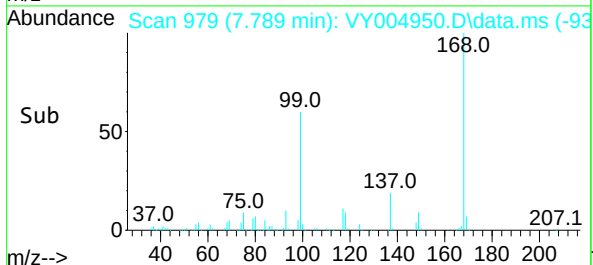
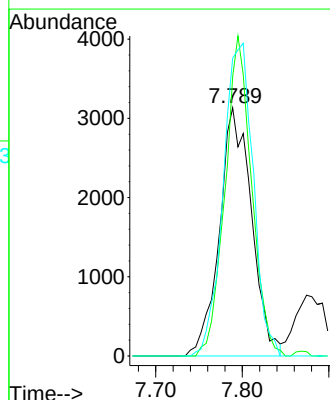
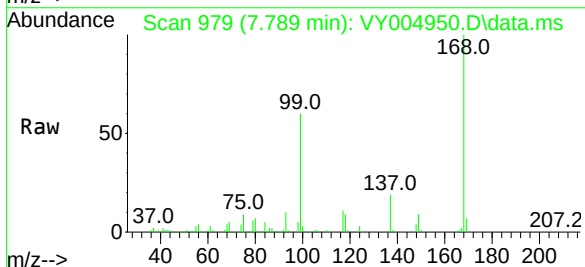
Tgt Ion: 56 Resp: 8065

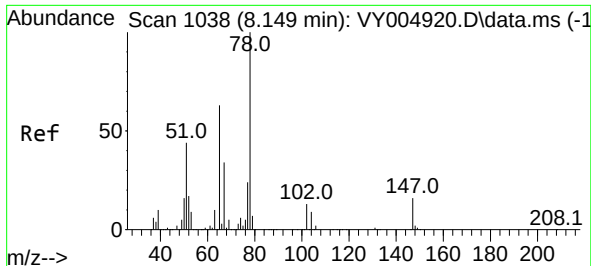
Ion Ratio Lower Upper

56 100

69 112.6 25.3 37.9#

84 120.0 66.2 99.4#

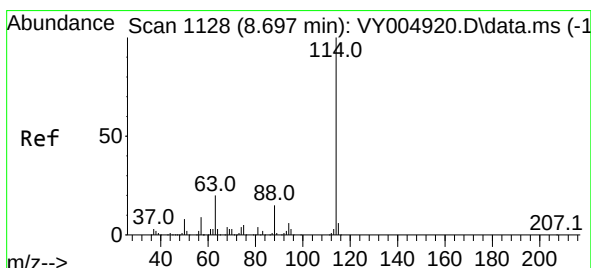
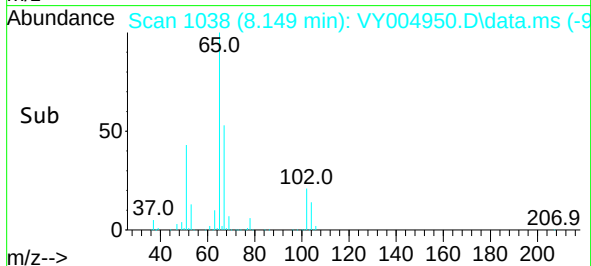
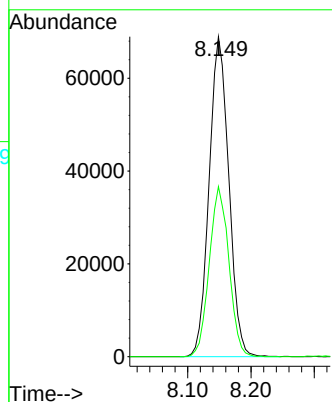
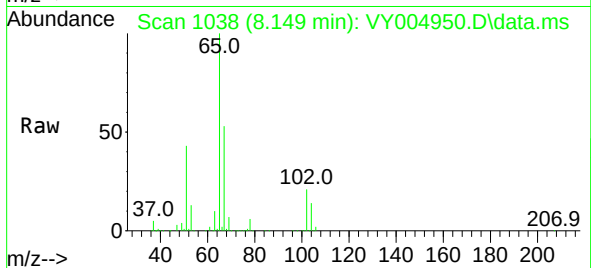




#33
1,2-Dichloroethane-d4
Concen: 68.96 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

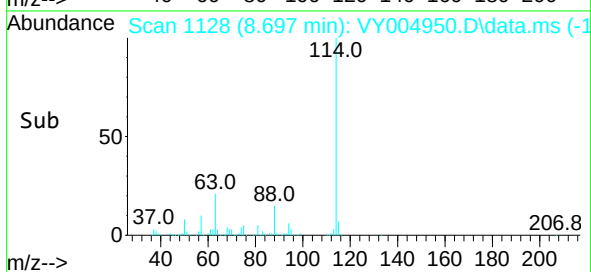
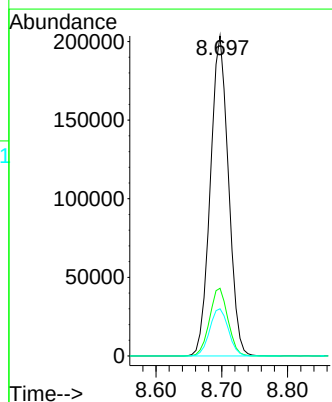
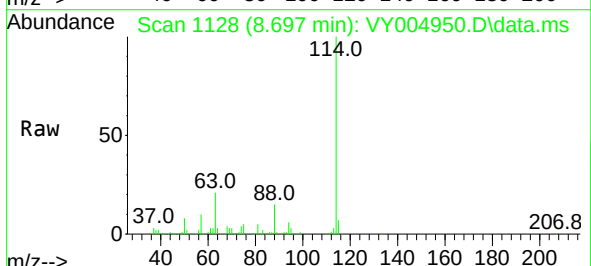
Instrument :
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ClientSampleId :

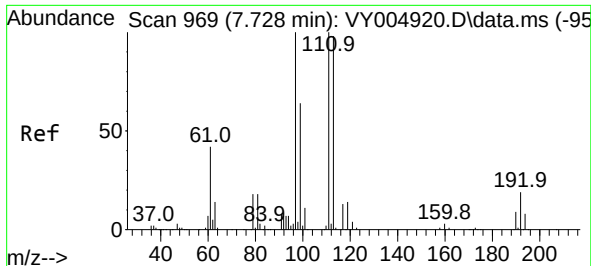
Tgt Ion: 65 Resp: 148897
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 114 Resp: 388995
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.0
88 14.8 0.0 30.6

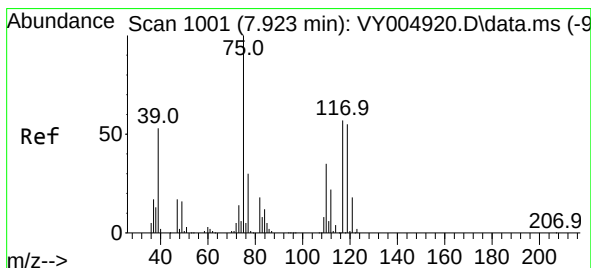
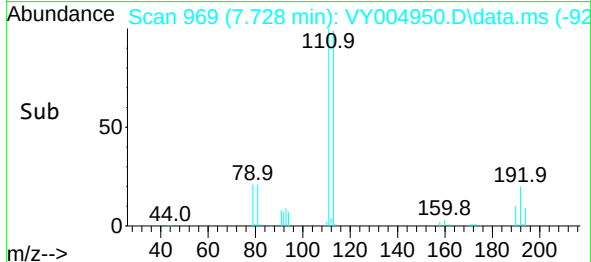
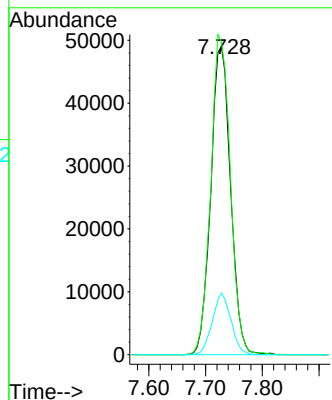
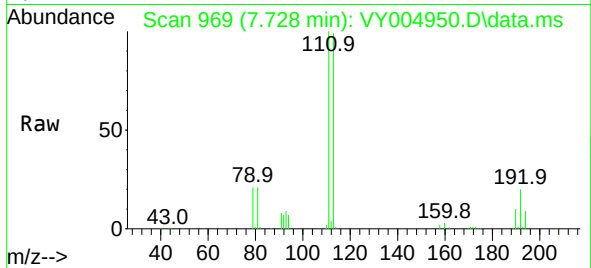




#35
Dibromofluoromethane
Concen: 56.66 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

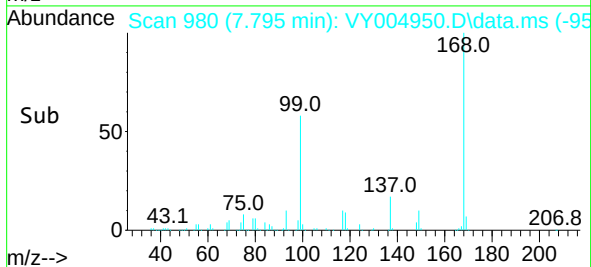
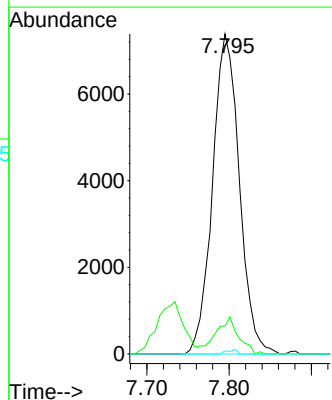
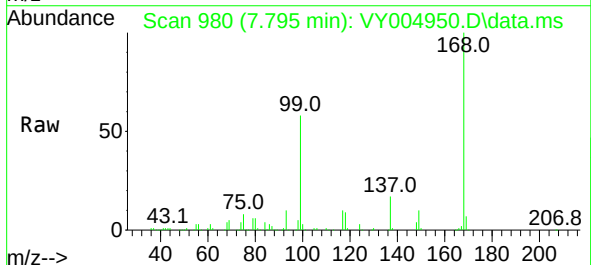
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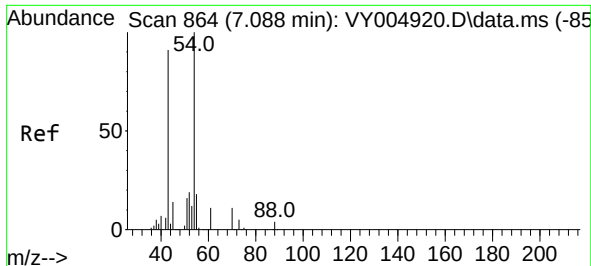
Tgt Ion:113 Resp: 118573
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.39 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 75 Resp: 16700
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 2.35 ug/l

RT: 6.996 min Scan# 849

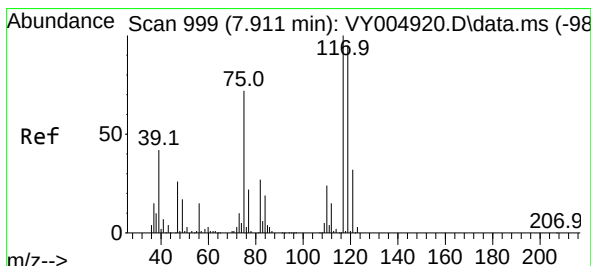
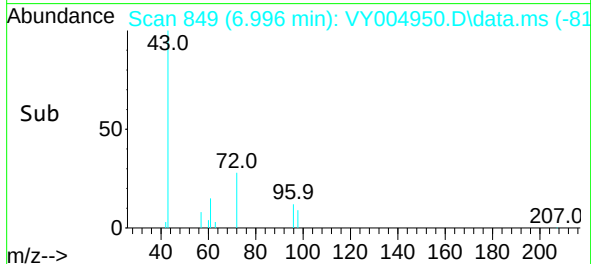
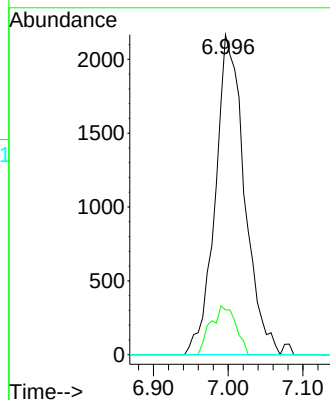
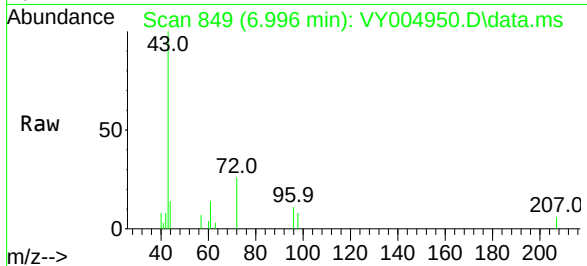
Delta R.T. -0.092 min

Lab File: VY004950.D

Acq: 03 Jun 2021 20:28

Tgt Ion:	43	Resp:	5893
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	0.0	7.9	11.9#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.32 ug/l

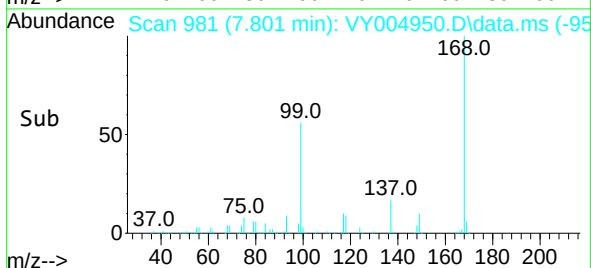
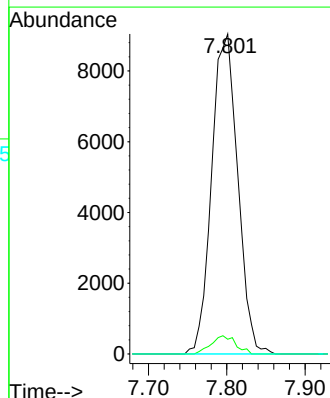
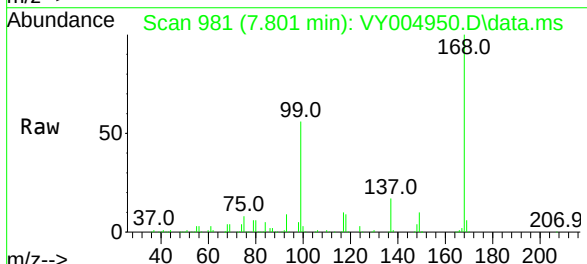
RT: 7.801 min Scan# 981

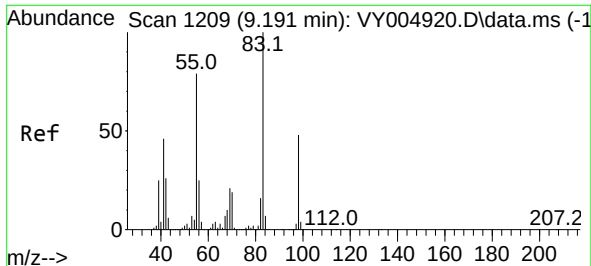
Delta R.T. -0.110 min

Lab File: VY004950.D

Acq: 03 Jun 2021 20:28

Tgt Ion:	117	Resp:	20933
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	25.5	38.3#





#39

Methylcyclohexane

Concen: 1.54 ug/l

RT: 9.191 min Scan# 1209

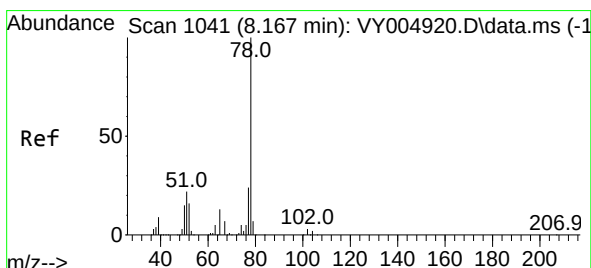
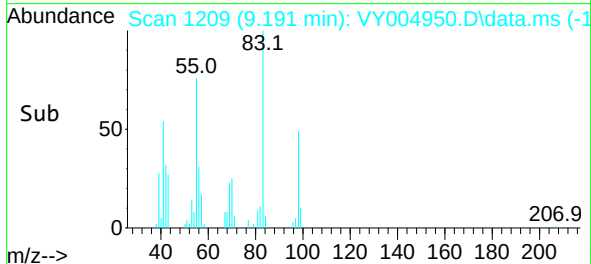
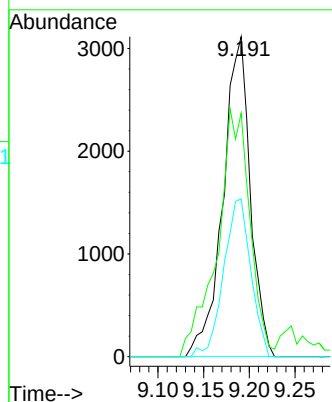
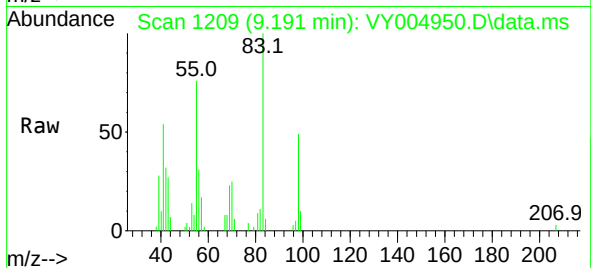
Delta R.T. -0.000 min

Lab File: VY004950.D

Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	83	Resp:	6470
Ion	Ratio	Lower	Upper
83	100		
55	76.1	63.1	94.7
98	49.3	38.6	58.0



#40

Benzene

Concen: 1.83 ug/l

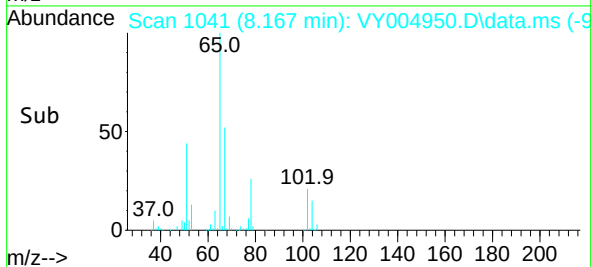
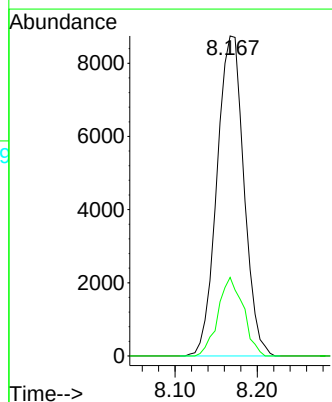
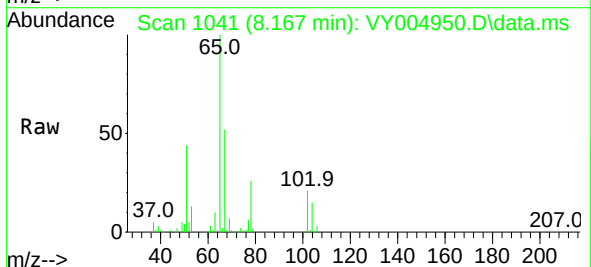
RT: 8.167 min Scan# 1041

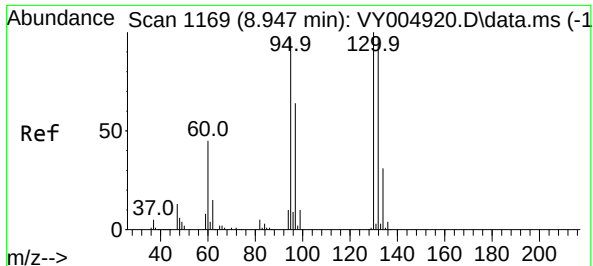
Delta R.T. -0.000 min

Lab File: VY004950.D

Acq: 03 Jun 2021 20:28

Tgt Ion:	78	Resp:	19973
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.2

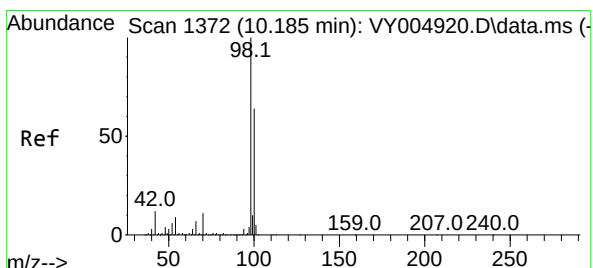
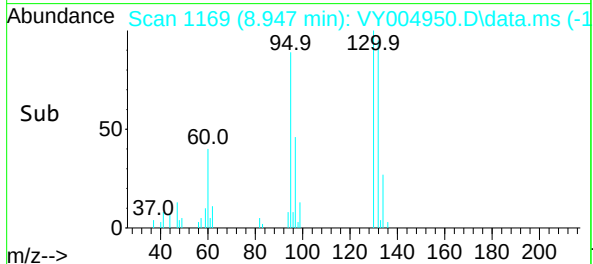
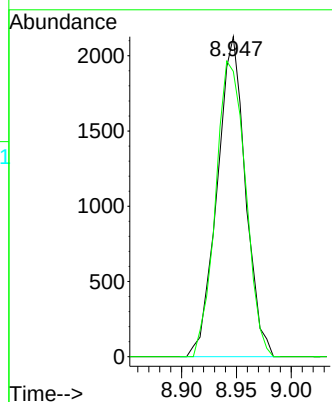
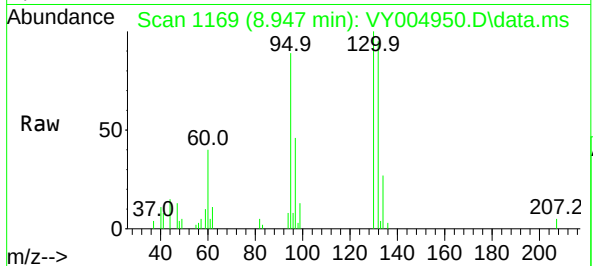




#44
Trichloroethene
Concen: 1.34 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

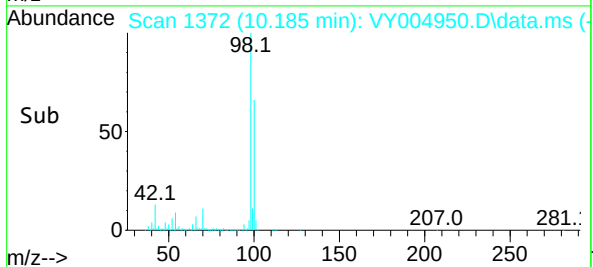
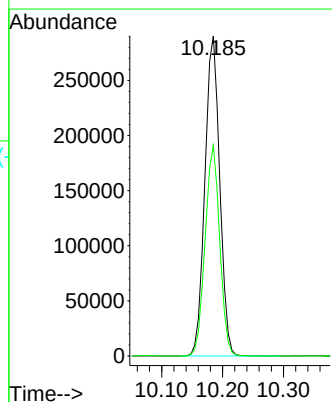
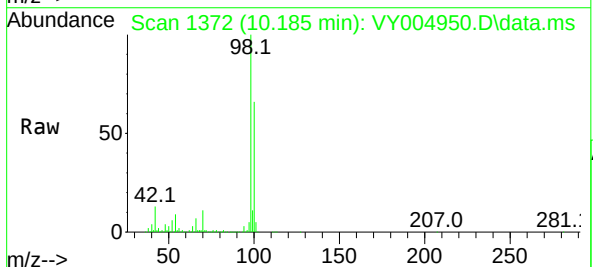
Instrument :
MSVOA_Y
ClientSampled :

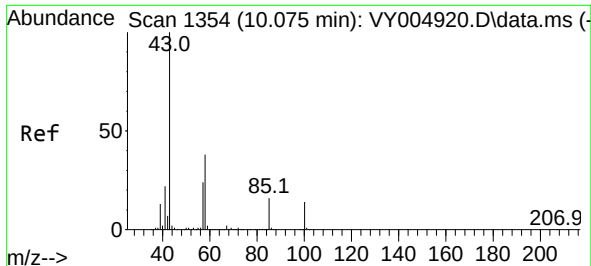
Tgt Ion:130 Resp: 3818
Ion Ratio Lower Upper
130 100
95 89.1 0.0 194.0



#50
Toluene-d8
Concen: 56.50 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 98 Resp: 491057
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

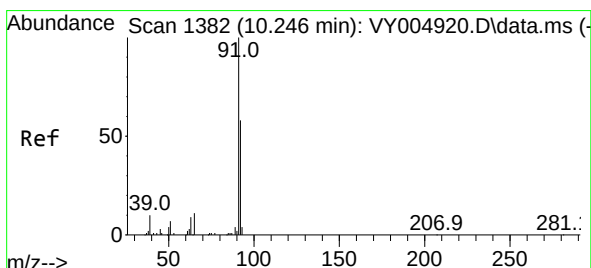
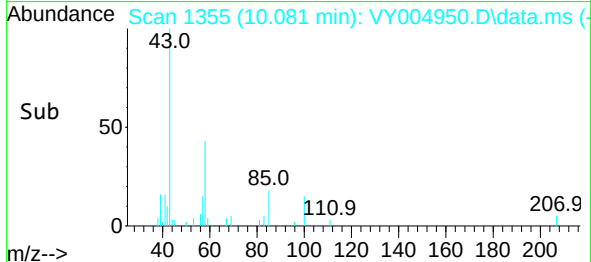
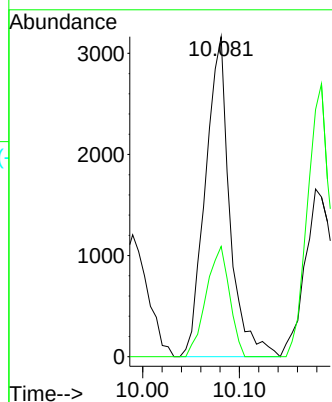
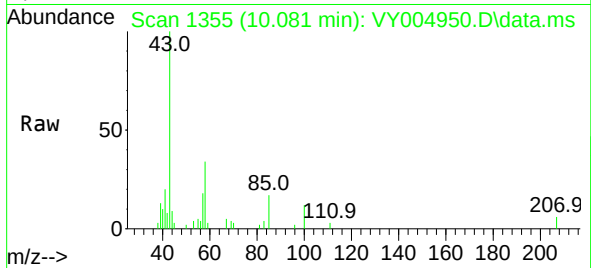




#51
4-Methyl-2-Pentanone
Concen: 2.36 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

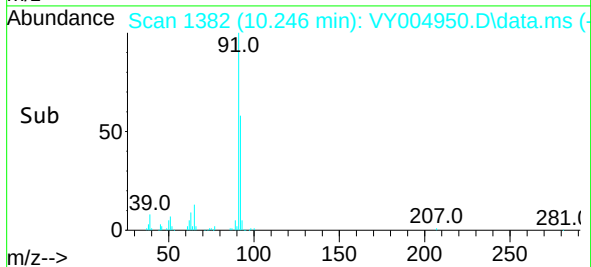
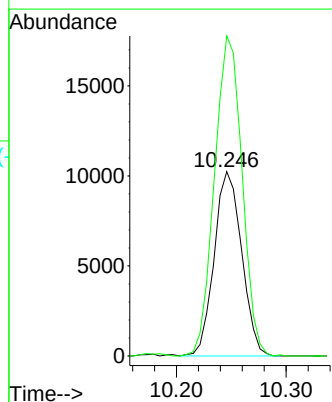
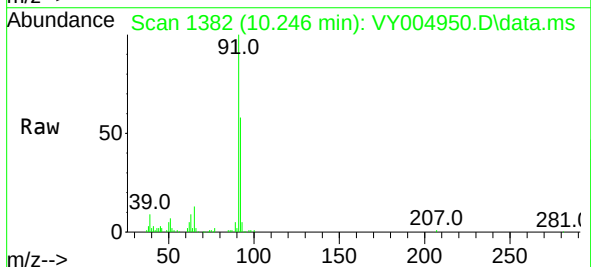
Instrument :
MSVOA_Y
ClientSampled :

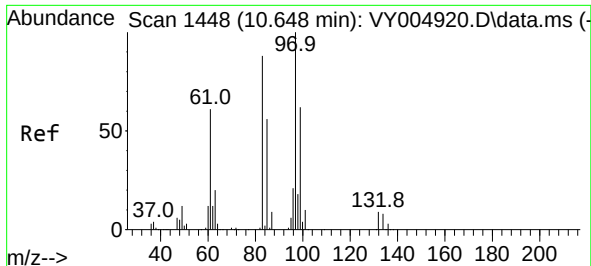
Tgt Ion: 43 Resp: 5556
Ion Ratio Lower Upper
43 100
58 32.9 30.6 46.0



#52
Toluene
Concen: 2.71 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

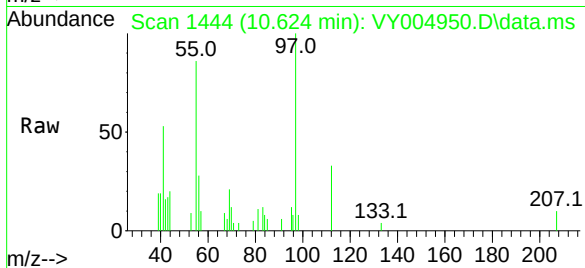
Tgt Ion: 92 Resp: 17856
Ion Ratio Lower Upper
92 100
91 174.4 139.3 208.9



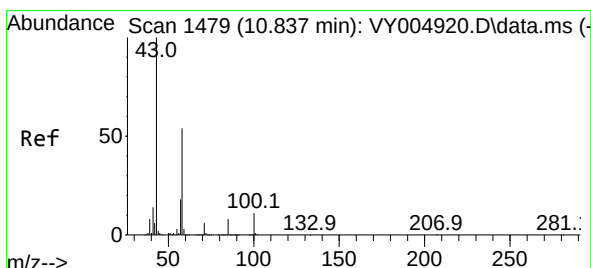
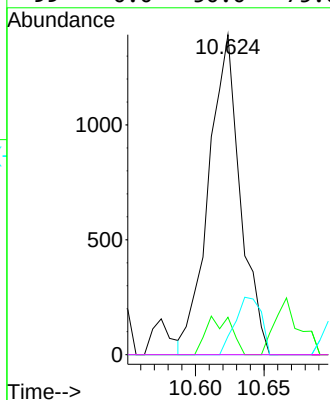
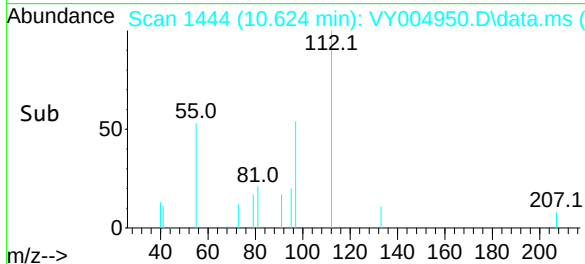


#55
1,1,2-Trichloroethane
Concen: 1.06 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

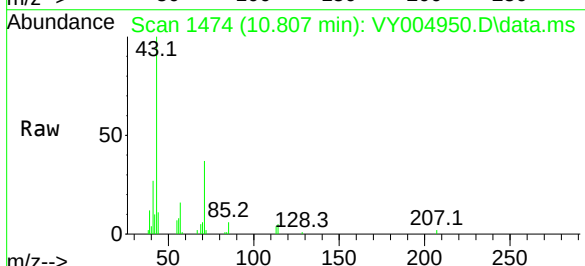
Instrument :
MSVOA_Y
ClientSampleId :



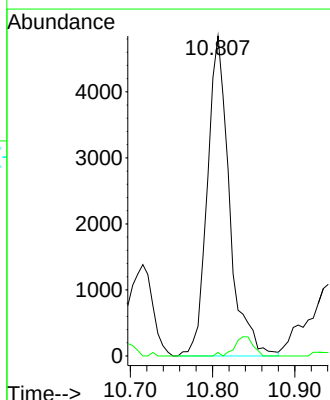
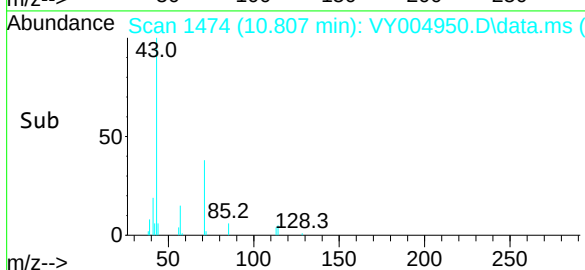
Tgt Ion: 97	Resp: 2238
Ion Ratio	Lower Upper
97 100	
83 11.7	70.3 105.5#
85 5.7	44.6 66.8#
99 0.0	50.0 75.0#

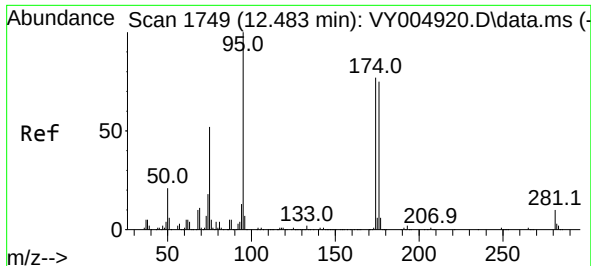


#59
2-Hexanone
Concen: 5.68 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28



Tgt Ion: 43	Resp: 9046
Ion Ratio	Lower Upper
43 100	
58 0.0	27.0 80.8#

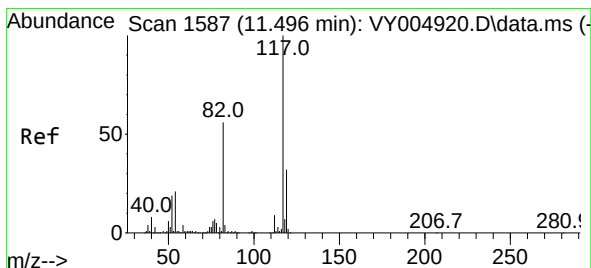
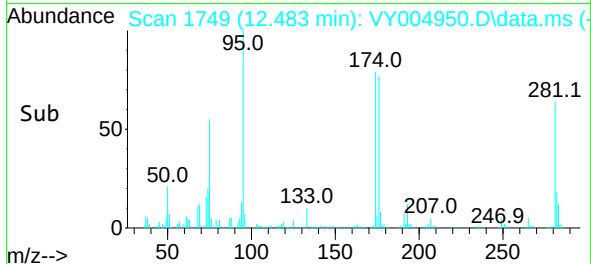
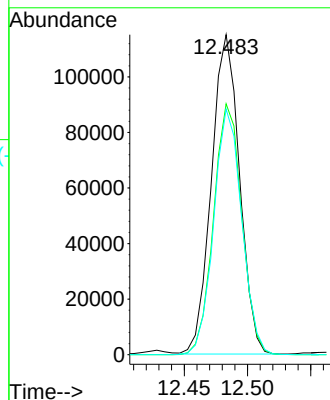
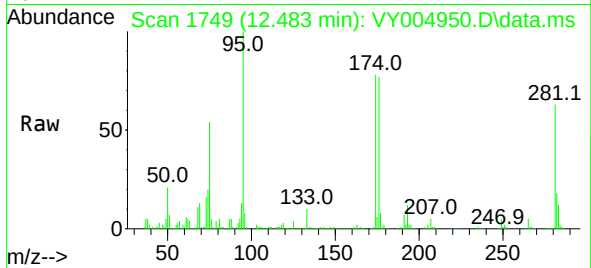




#62
4-Bromofluorobenzene
Concen: 59.41 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

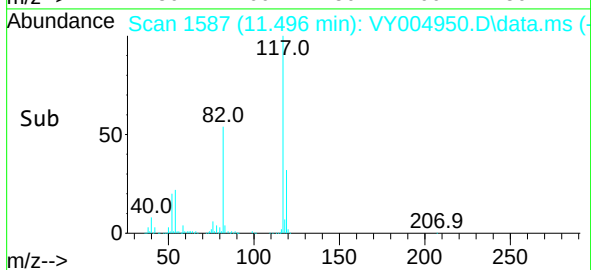
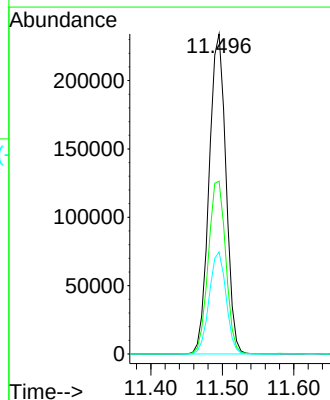
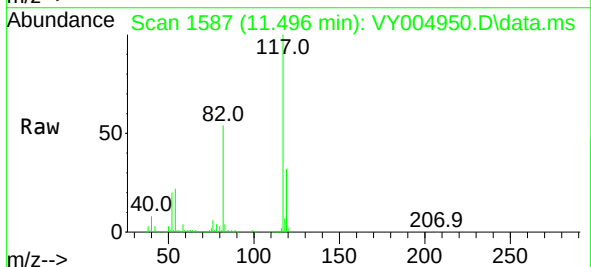
Instrument :
MSVOA_Y
ClientSampleId :

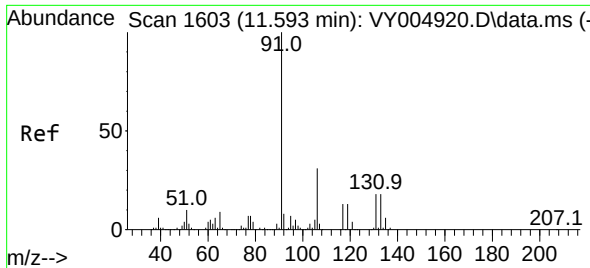
Tgt Ion: 95 Resp: 177603
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.8
176 76.6 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 117 Resp: 382444
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 31.9 25.2 37.8

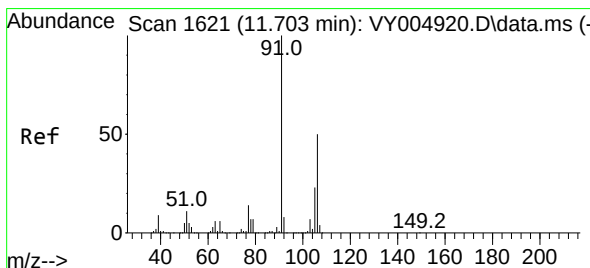
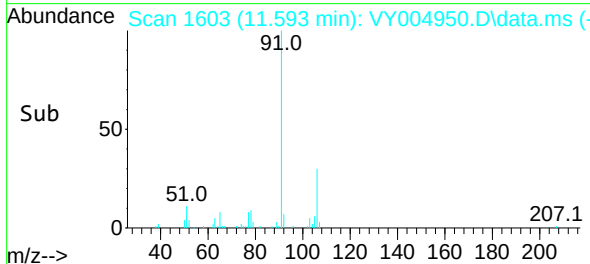
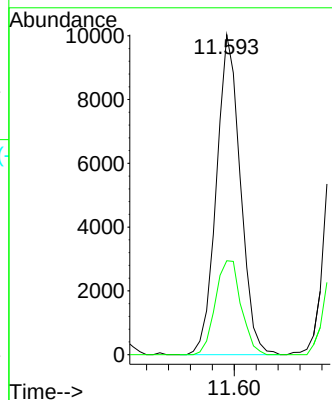
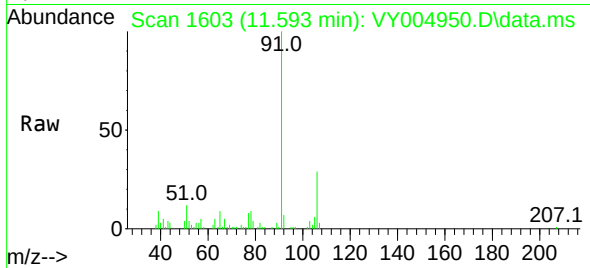




#67
Ethyl Benzene
Concen: 1.09 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

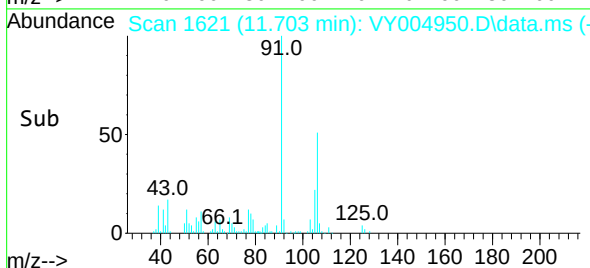
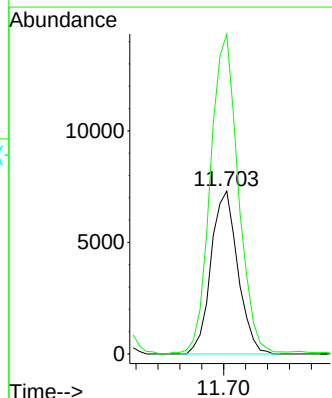
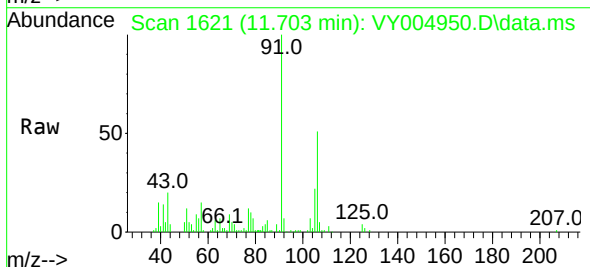
Instrument :
MSVOA_Y
ClientSampled :

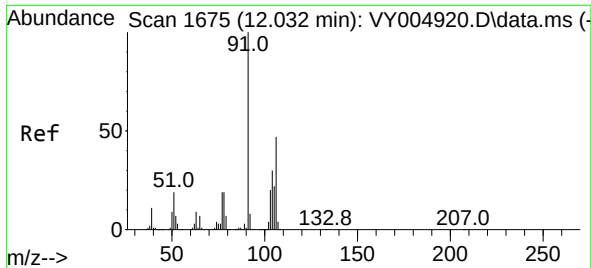
Tgt Ion: 91 Resp: 15230
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 2.36 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion:106 Resp: 12371
Ion Ratio Lower Upper
106 100
91 205.2 161.9 242.9

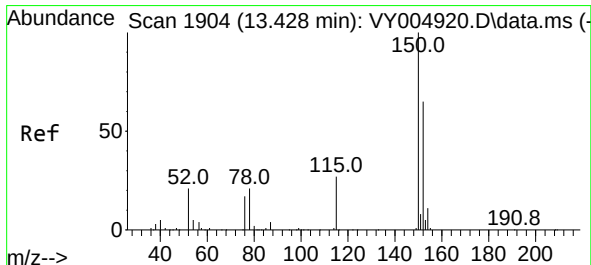
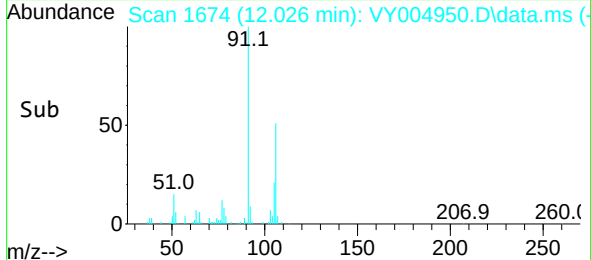
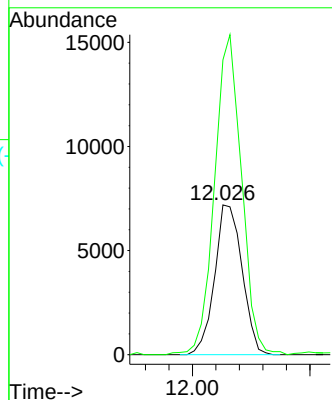
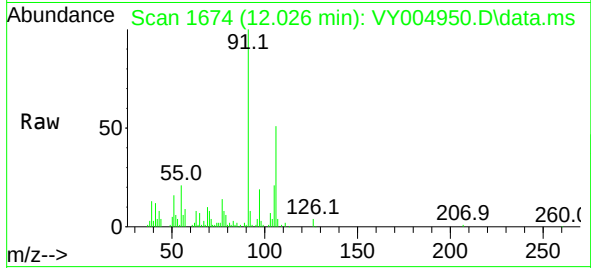




#69
o-Xylene
Concen: 2.39 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

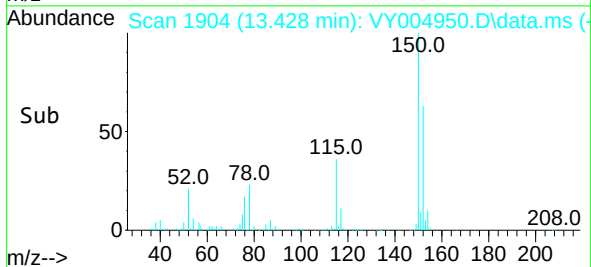
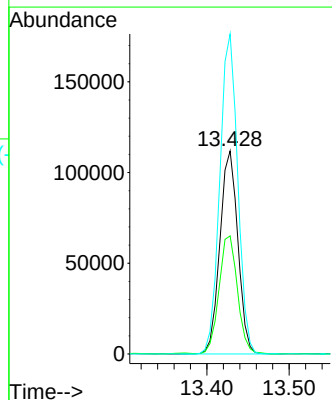
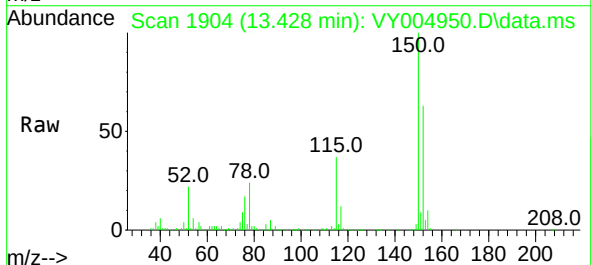
Instrument :
MSVOA_Y
ClientSampleId :

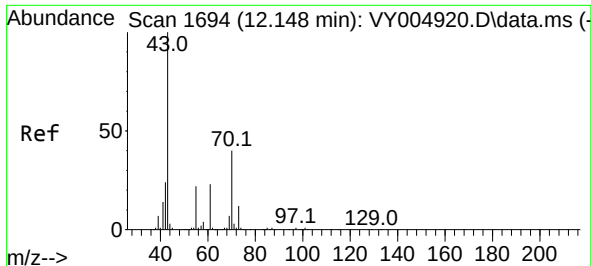
Tgt Ion:106 Resp: 11670
Ion Ratio Lower Upper
106 100
91 210.0 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

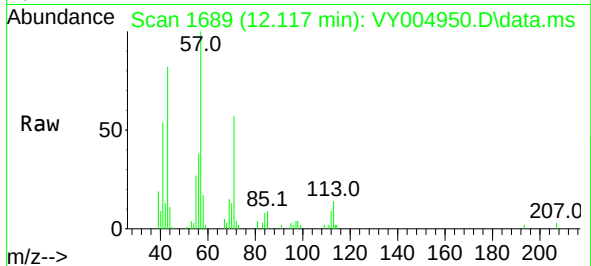
Tgt Ion:152 Resp: 170087
Ion Ratio Lower Upper
152 100
115 59.6 29.9 89.7
150 156.7 0.0 347.8



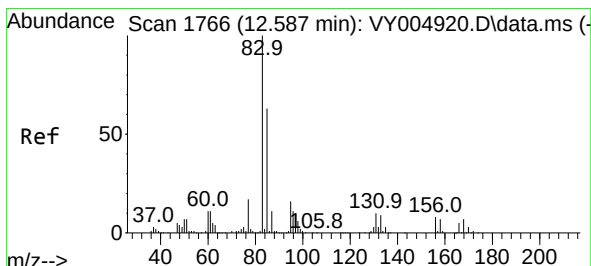
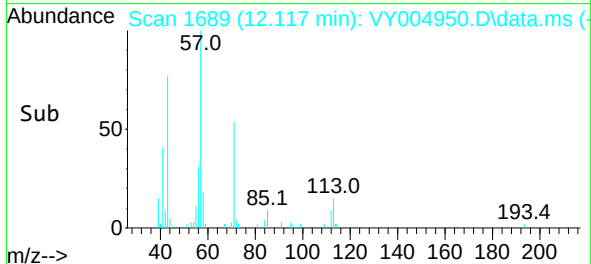
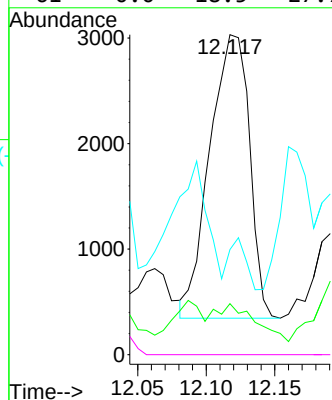


#74
N-amy1 acetate
Concen: 1.31 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_Y
ClientSampleId :

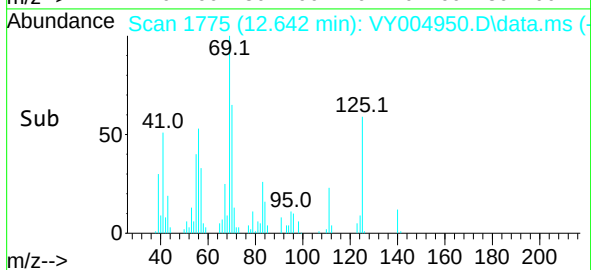
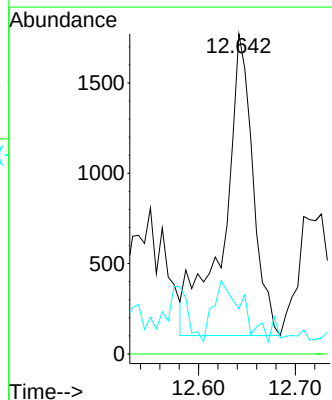
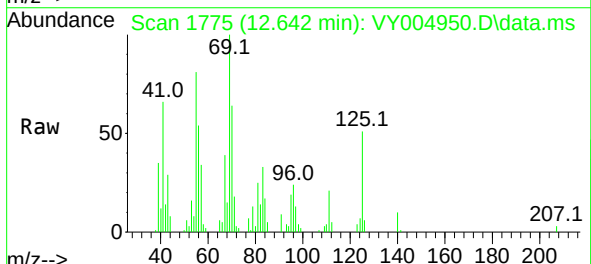


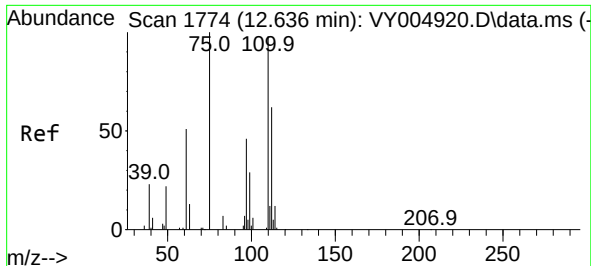
Tgt Ion: 43 Resp: 5412
Ion Ratio Lower Upper
43 100
70 0.0 32.0 48.0#
55 0.0 17.9 26.9#
61 0.0 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.35 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.055 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 83 Resp: 3481
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6#
85 18.9 31.9 95.9#

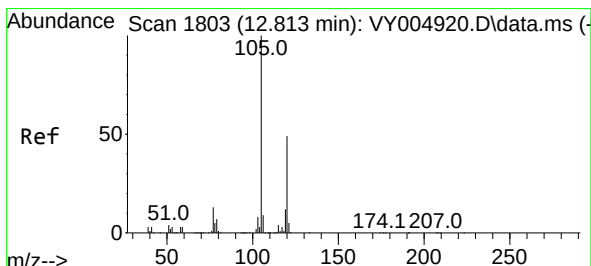
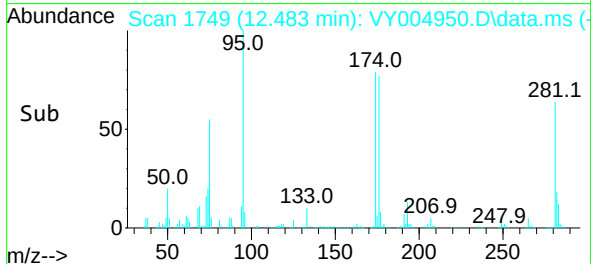
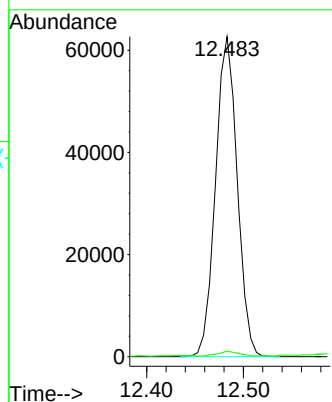
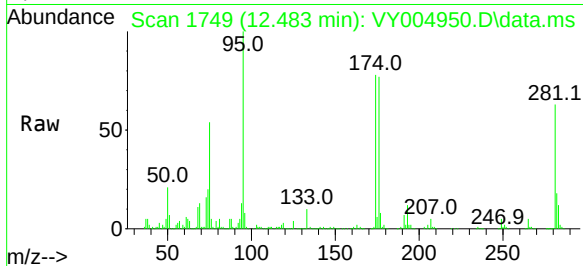




#76
1,2,3-Trichloropropane
Concen: 52.24 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

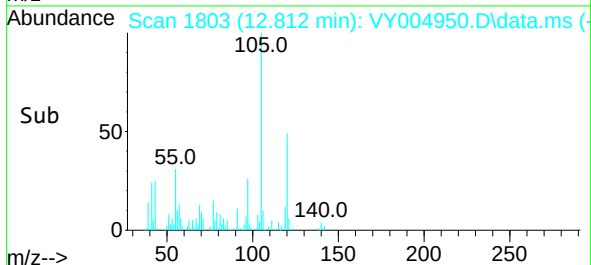
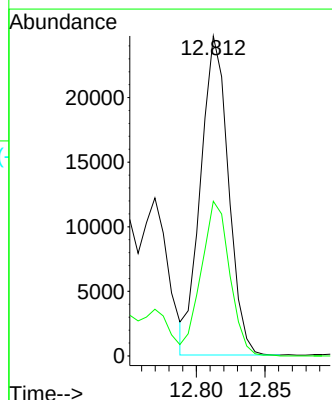
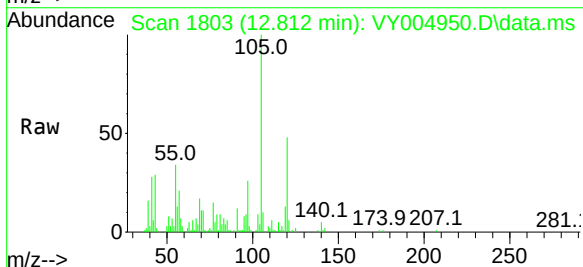
Instrument :
MSVOA_Y
ClientSampleId :

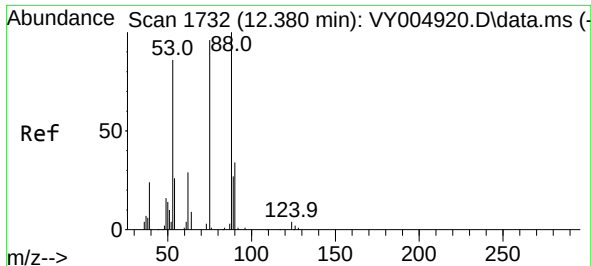
Tgt Ion: 75 Resp: 97404
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.28 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

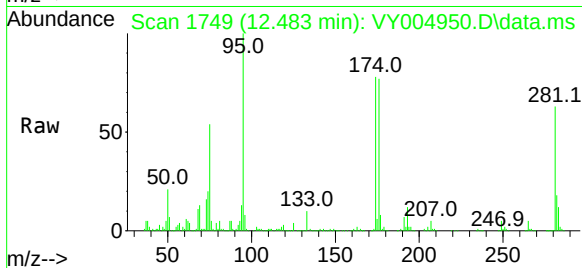
Tgt Ion: 105 Resp: 34742
Ion Ratio Lower Upper
105 100
120 50.1 24.5 73.5



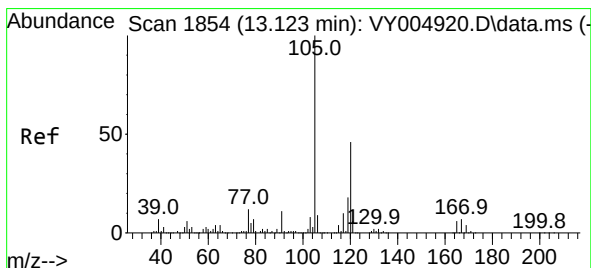
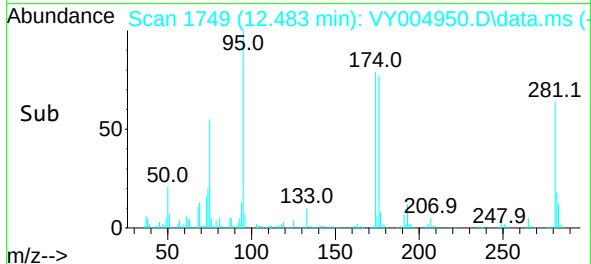
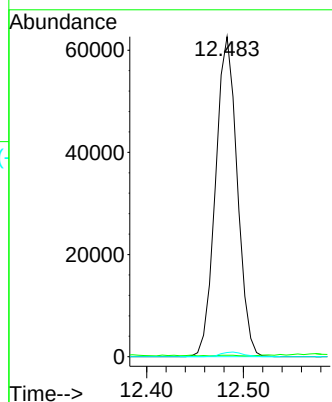


#81
trans-1,4-Dichloro-2-butene
Concen: 96.01 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_Y
ClientSampleId :

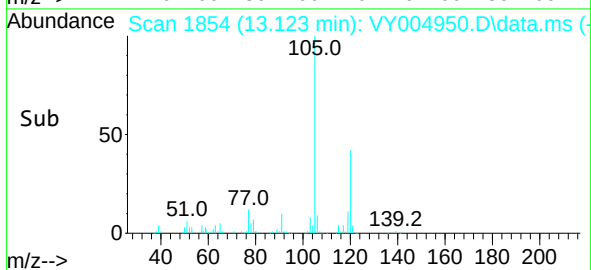
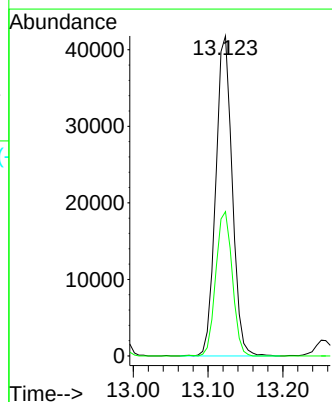
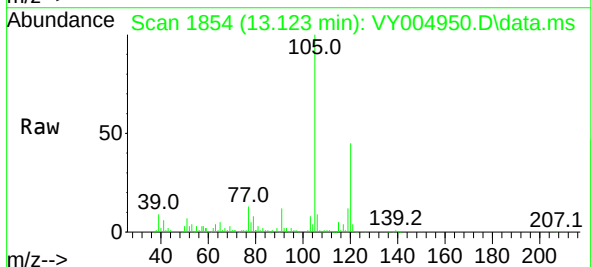


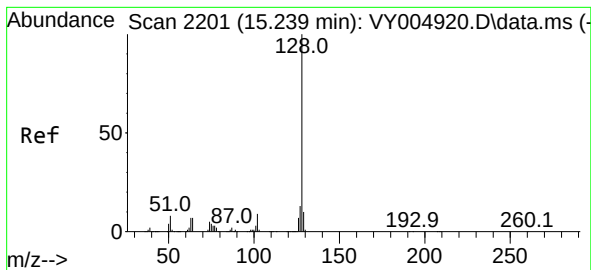
Tgt Ion: 75 Resp: 97404
Ion Ratio Lower Upper
75 100
53 0.2 69.3 103.9#
89 1.5 35.0 52.6#



#84
1,2,4-Trimethylbenzene
Concen: 6.06 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 105 Resp: 63876
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.7





#95
Naphthalene
Concen: 111.56 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004950.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 743692
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.1 8.7 13.1

