

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005342.D
 Acq On : 02 Jul 2021 15:08
 Operator : SY/MD
 Sample : M2933-02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2

Quant Time: Jul 05 01:05:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

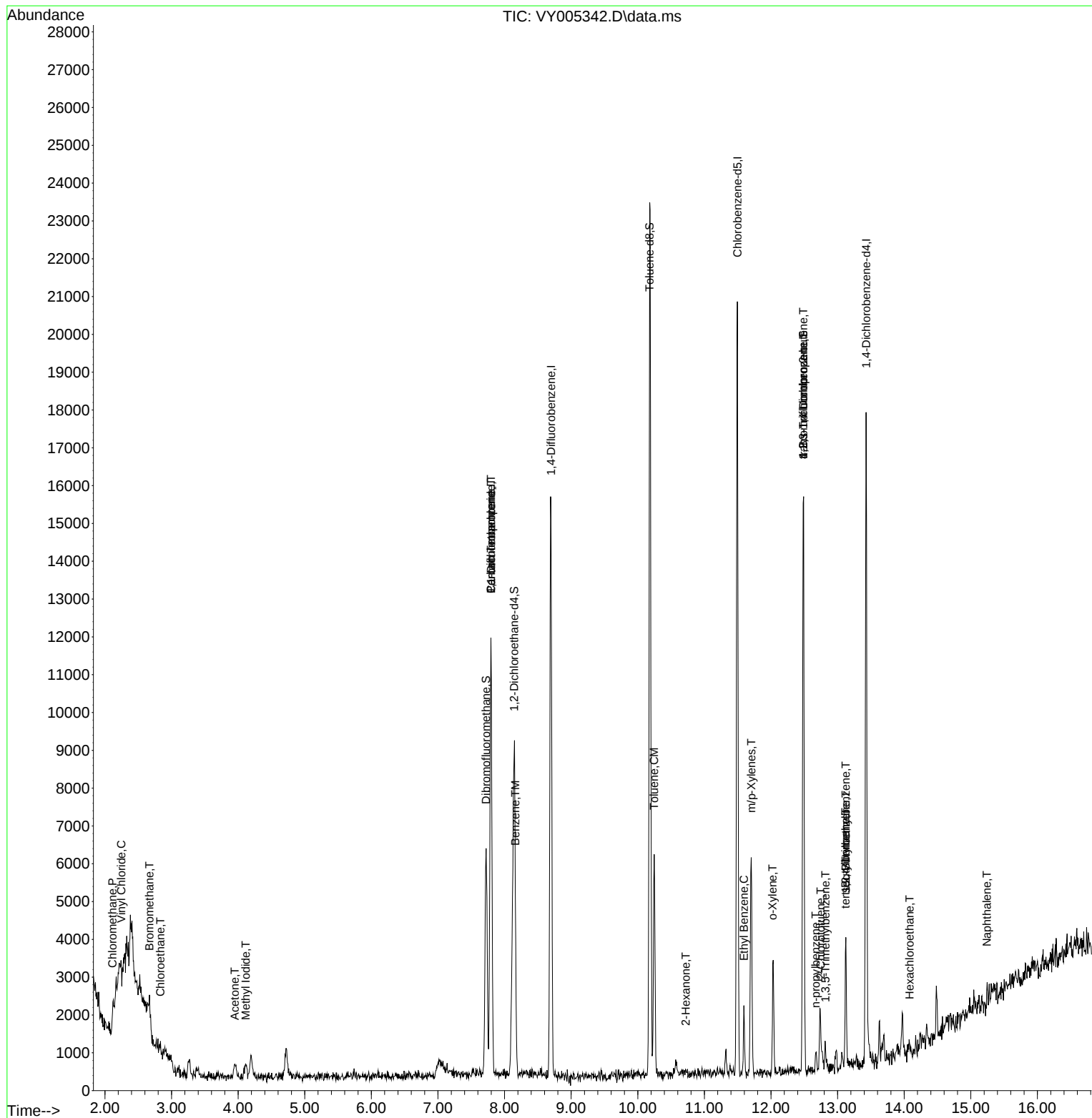
Internal Standards						
1) Pentafluorobenzene	7.795	168	10042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	13903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	11725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5483	65.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.600%	
35) Dibromofluoromethane	7.722	113	4317	52.650	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.179	98	15656	47.746	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.500%	
62) 4-Bromofluorobenzene	12.483	95	4312	39.464	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	311	3.536	ug/l #	40
4) Vinyl Chloride	2.247	62	172	1.711	ug/l #	42
5) Bromomethane	2.668	94	592	9.283	ug/l	95
6) Chloroethane	2.833	64	196	2.981	ug/l #	42
10) Methyl Iodide	4.113	142	593	5.066	ug/l #	84
16) Acetone	3.948	43	728	37.816	ug/l	92
20) Methylene Chloride	4.716	84	709	Below Cal	#	84
36) 1,1-Dichloropropene	7.795	75	707	5.775	ug/l #	40
38) Carbon Tetrachloride	7.795	117	826	6.445	ug/l #	12
40) Benzene	8.161	78	1124	3.114	ug/l	98
52) Toluene	10.246	92	2542	11.017	ug/l	93
59) 2-Hexanone	10.721	43	46	1.101	ug/l #	20
67) Ethyl Benzene	11.593	91	1254	3.129	ug/l #	78
68) m/p-Xylenes	11.703	106	2069	12.887	ug/l	86
69) o-Xylene	12.026	106	826	5.433	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	2112	49.314	ug/l #	100
78) n-propylbenzene	12.672	91	487	1.319	ug/l	93
79) 2-Chlorotoluene	12.745	91	248	1.190	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.819	105	452	1.744	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.483	75	2112	92.008	ug/l #	17
83) tert-Butylbenzene	13.117	119	321	1.390	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.123	105	1907	7.444	ug/l	86
85) sec-Butylbenzene	13.123	105	1907	5.675	ug/l #	54
90) Hexachloroethane	14.081	117	171	3.265	ug/l #	1
95) Naphthalene	15.239	128	270	1.476	ug/l #	69

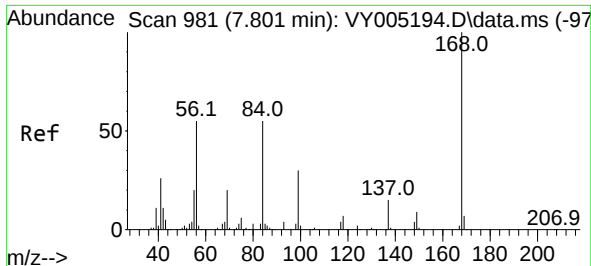
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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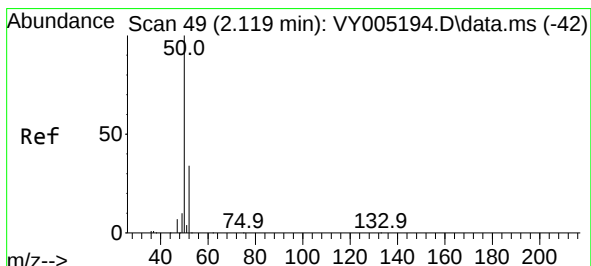
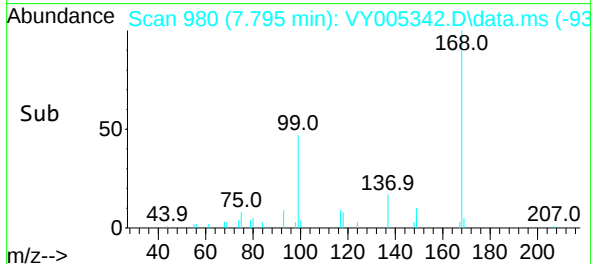
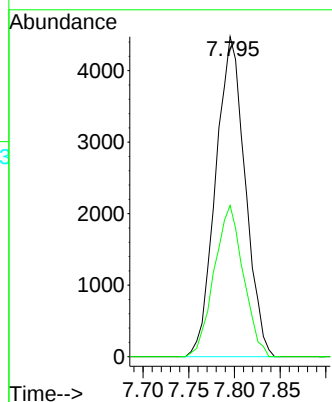
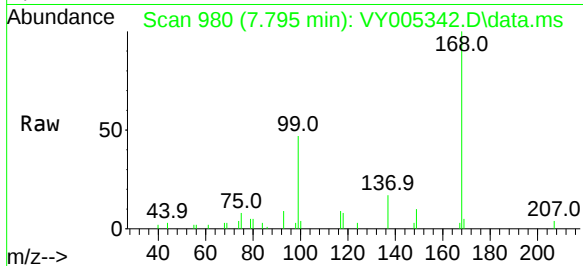




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

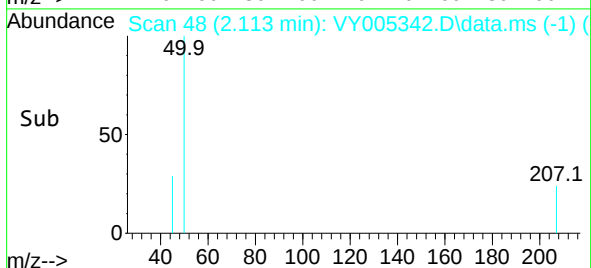
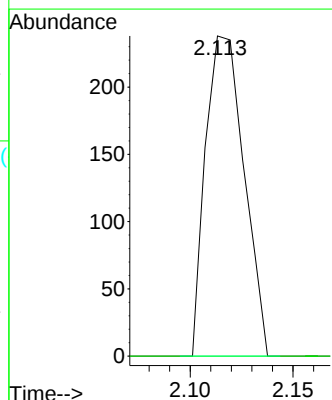
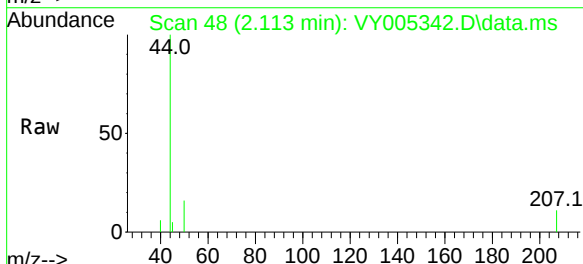
Instrument :
MSVOA_Y
ClientSampleId :
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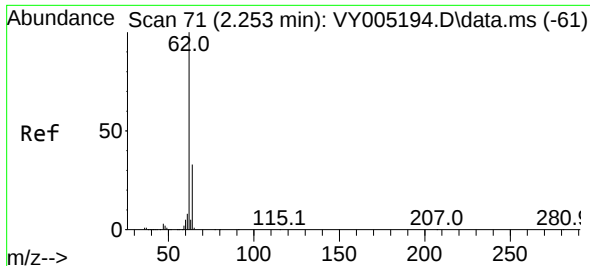
Tgt Ion:168 Resp: 10042
Ion Ratio Lower Upper
168 100
99 47.3 36.2 54.4



#3
Chloromethane
Concen: 3.536 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.2#

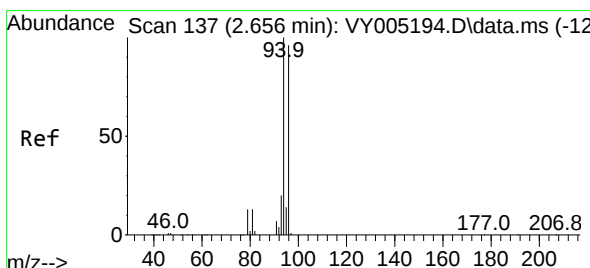
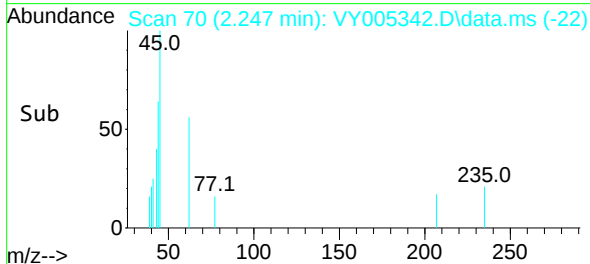
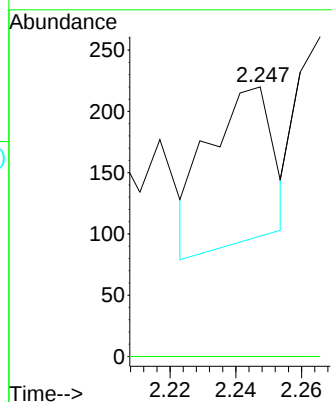
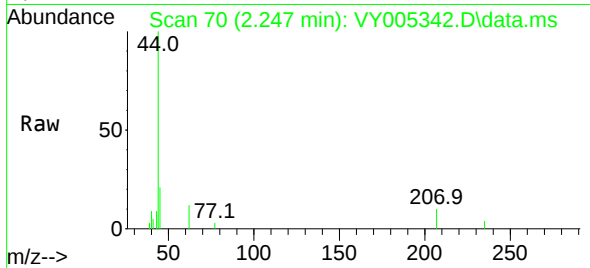




#4
 Vinyl Chloride
 Concen: 1.711 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

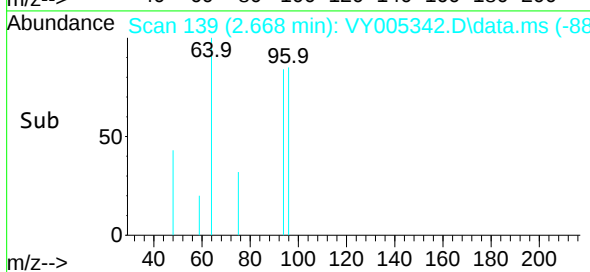
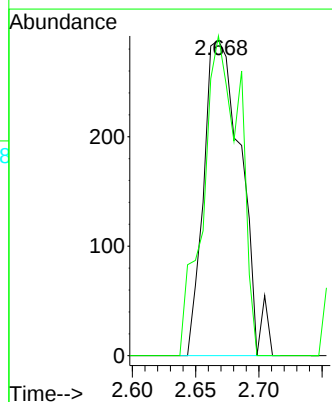
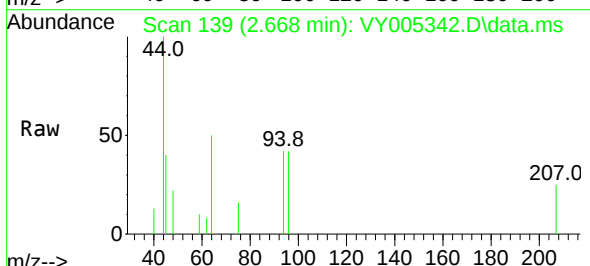
Instrument :
 MSVOA_Y
 ClientSampled :
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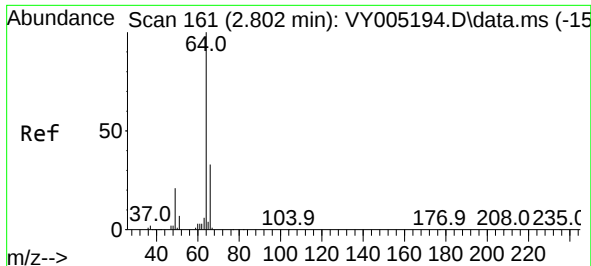
Tgt Ion: 62 Resp: 172
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 9.283 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

Tgt Ion: 94 Resp: 592
 Ion Ratio Lower Upper
 94 100
 96 101.4 76.9 115.3

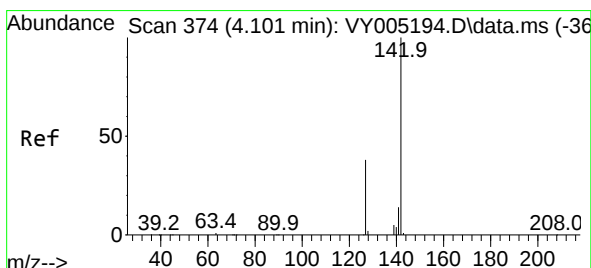
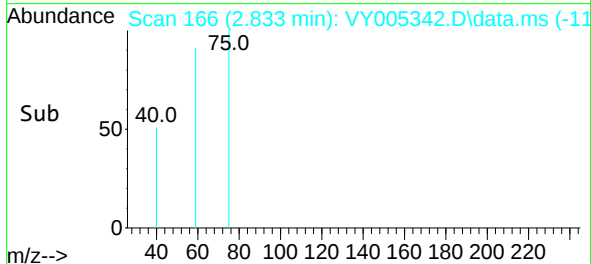
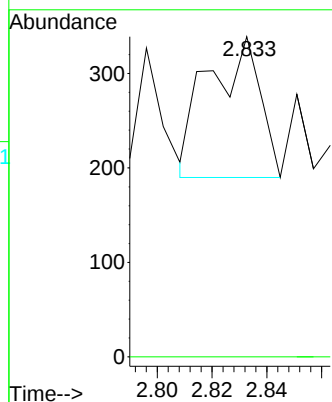
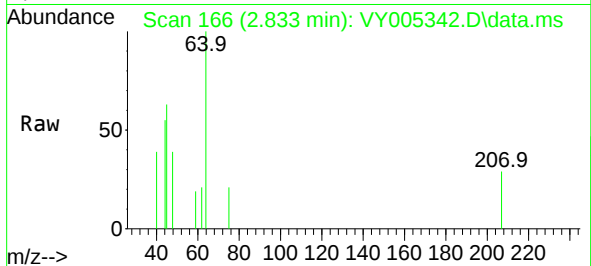




#6
Chloroethane
Concen: 2.981 ug/l
RT: 2.833 min Scan# 166
Delta R.T. 0.031 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

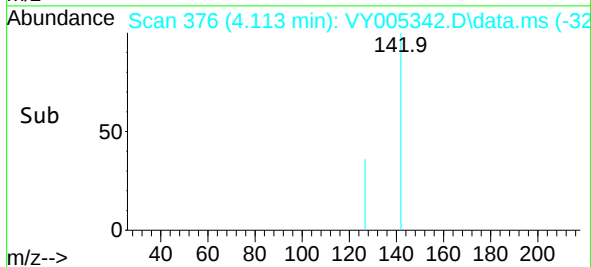
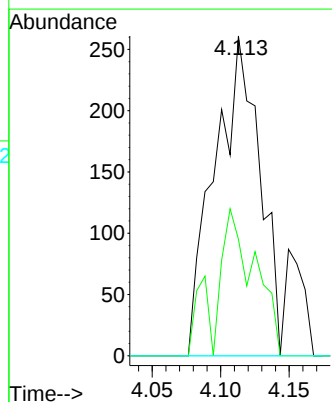
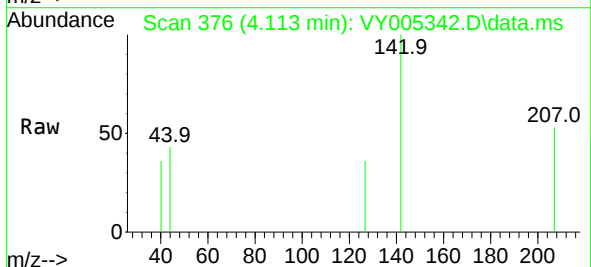
Instrument :
MSVOA_Y
ClientSampled :
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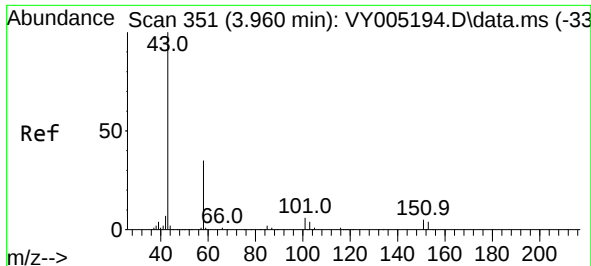
Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 5.066 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 142 Resp: 593
Ion Ratio Lower Upper
142 100
127 33.6 31.3 46.9
141 0.0 11.3 16.9#

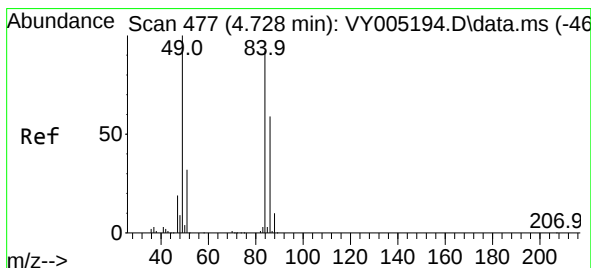
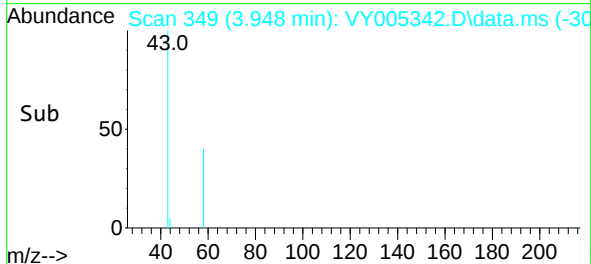
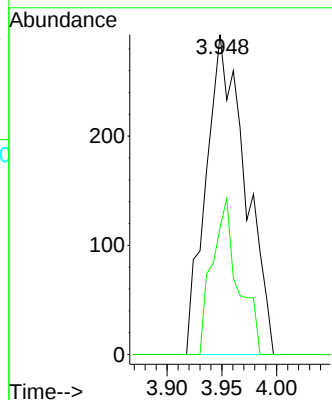
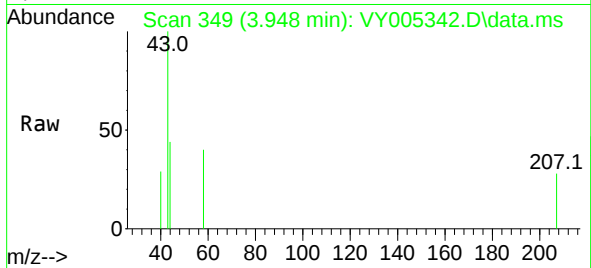




#16
Acetone
Concen: 37.816 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

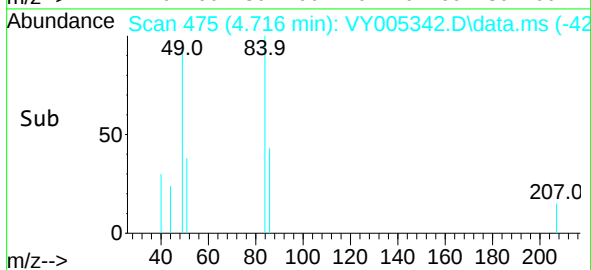
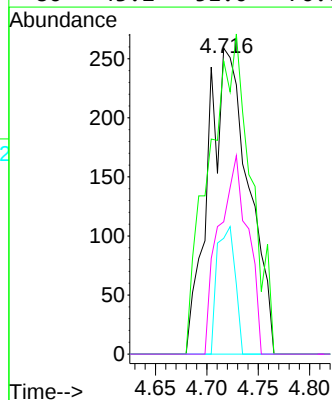
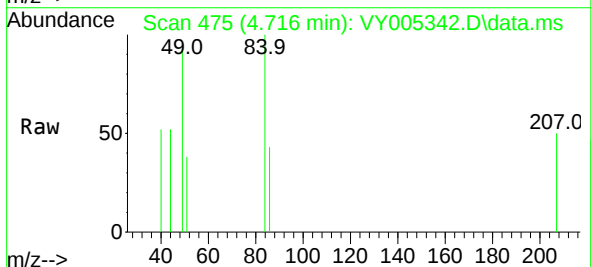
Instrument :
MSVOA_Y
ClientSampled :
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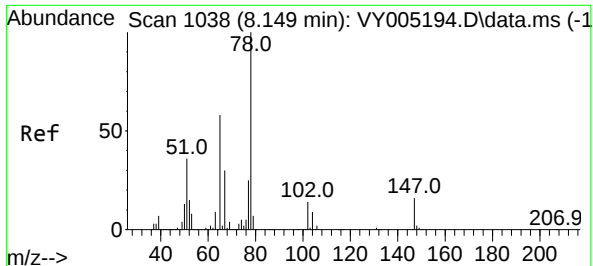
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 39.6 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

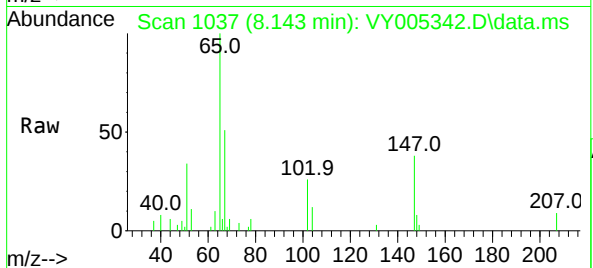
Tgt Ion: 84 Resp: 709
Ion Ratio Lower Upper
84 100
49 95.8 86.9 130.3
51 37.8 27.4 41.2
86 43.2 51.0 76.6#



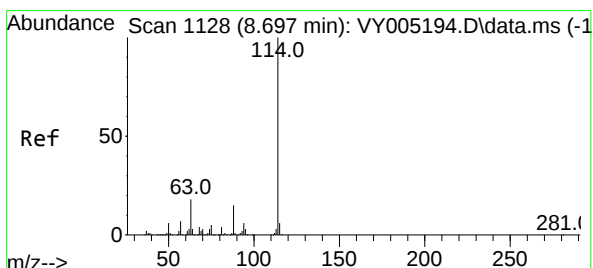
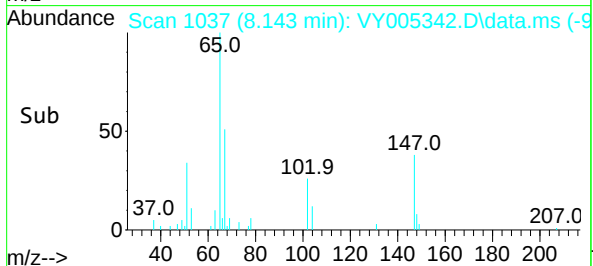
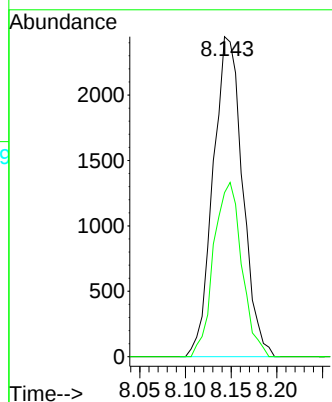


#33
 1,2-Dichloroethane-d4
 Concen: 65.795 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :
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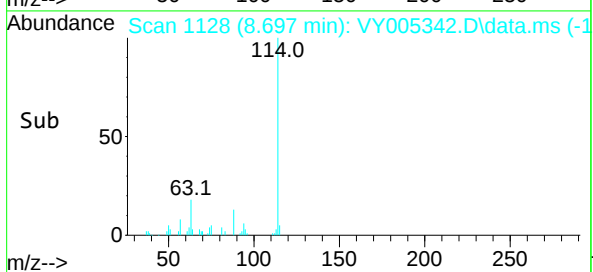
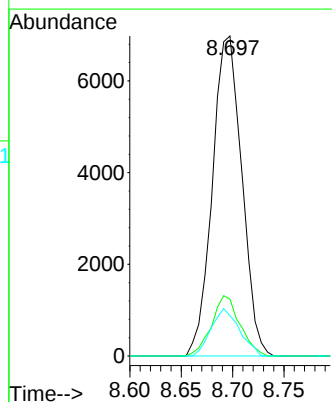
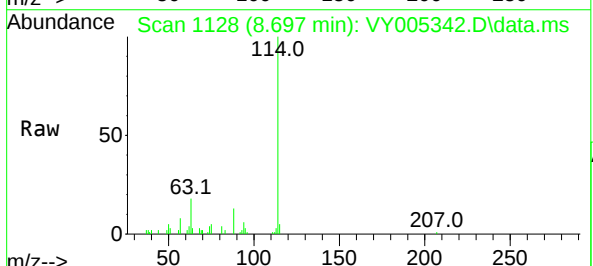


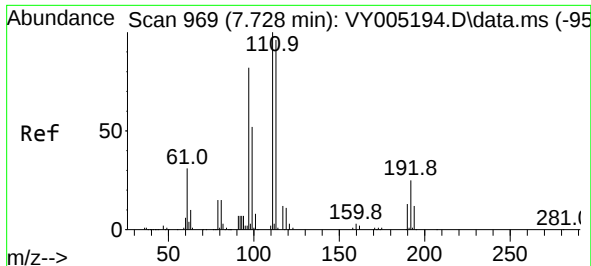
Tgt Ion: 65 Resp: 5483
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

Tgt Ion: 114 Resp: 13903
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 12.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.650 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY005342.D

Acq: 02 Jul 2021 15:08

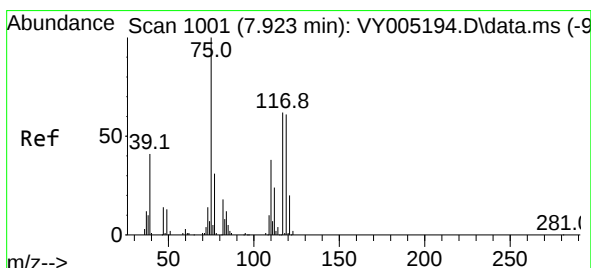
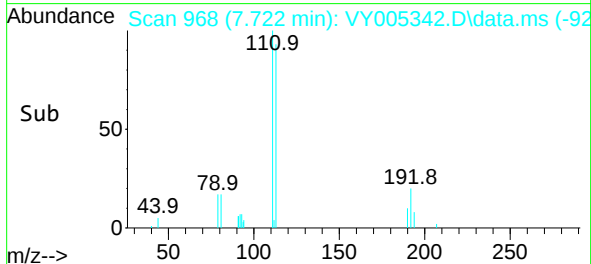
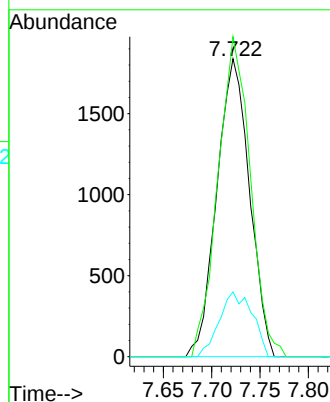
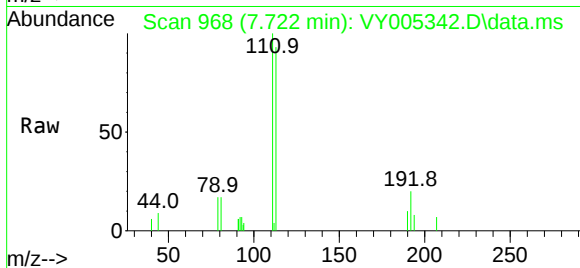
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Tgt Ion:	113	Resp:	4317
Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.6	124.0
192	22.0	20.2	30.2



#36

1,1-Dichloropropene

Concen: 5.775 ug/l

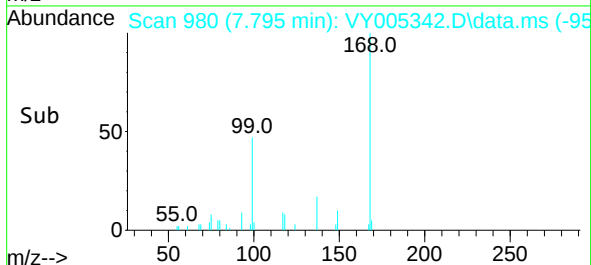
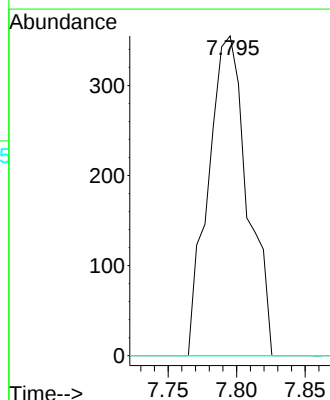
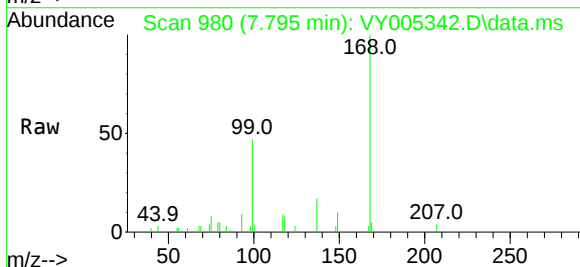
RT: 7.795 min Scan# 980

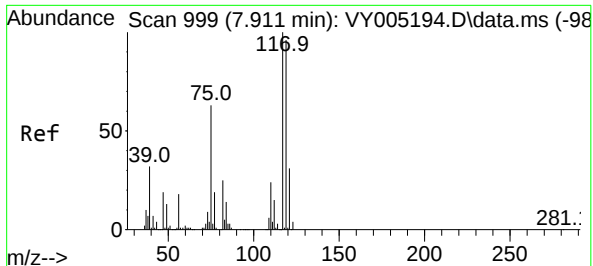
Delta R.T. -0.128 min

Lab File: VY005342.D

Acq: 02 Jul 2021 15:08

Tgt Ion:	75	Resp:	707
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.5#
77	0.0	25.2	37.8#

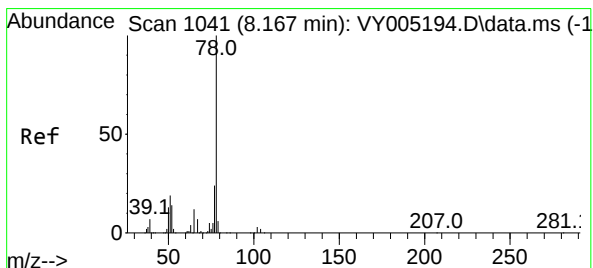
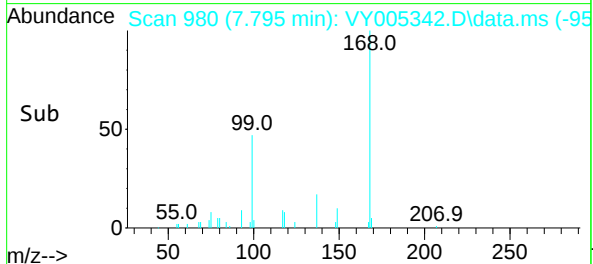
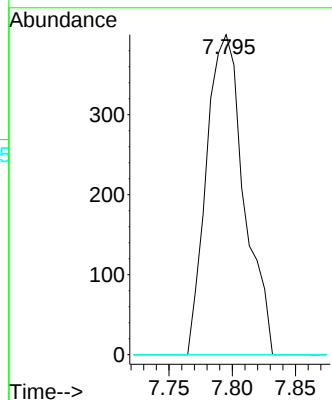
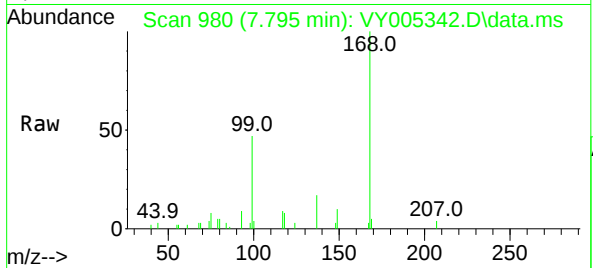




#38
Carbon Tetrachloride
Concen: 6.445 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

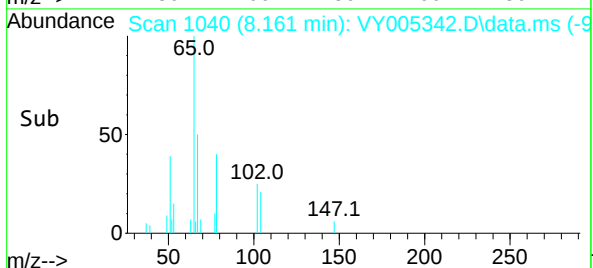
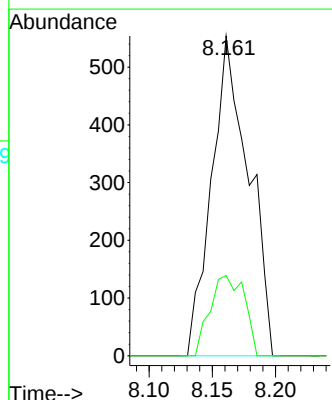
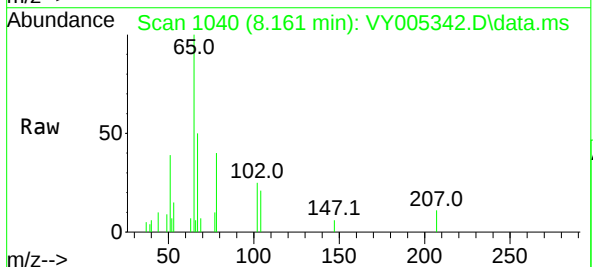
Instrument :
MSVOA_Y
ClientSampled :
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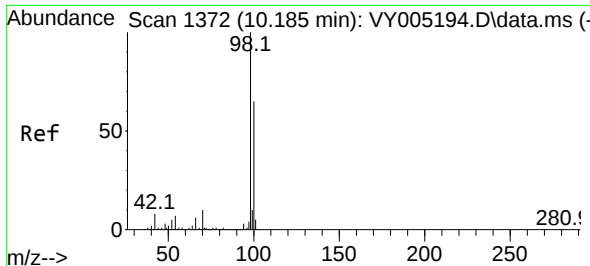
Tgt Ion:117 Resp: 826
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 3.114 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 78 Resp: 1124
Ion Ratio Lower Upper
78 100
77 25.1 19.1 28.7

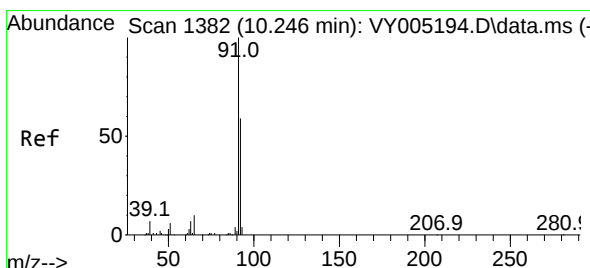
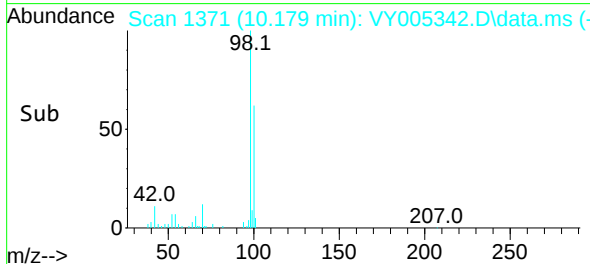
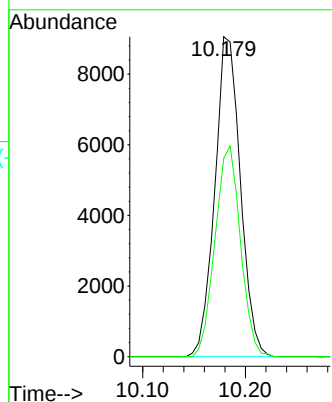
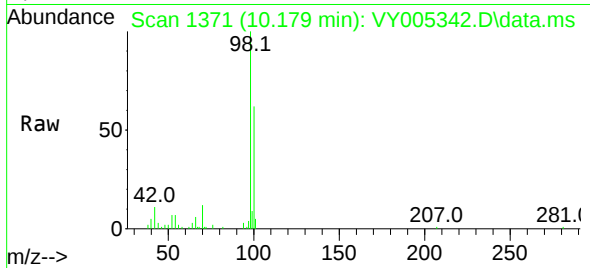




#50
Toluene-d8
Concen: 47.746 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

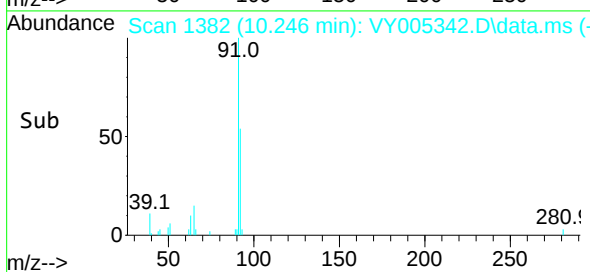
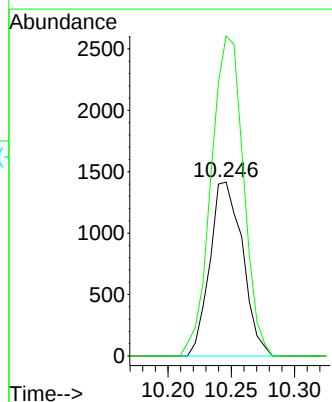
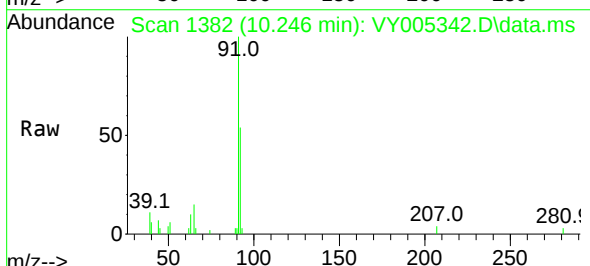
Instrument :
MSVOA_Y
ClientSampled :
2

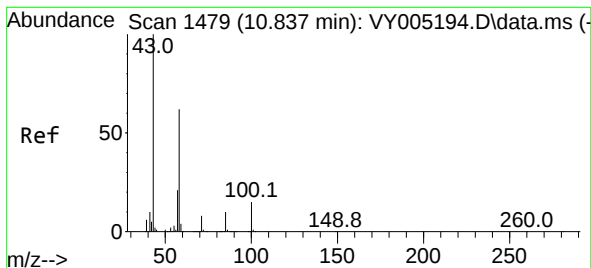
Tgt Ion: 98 Resp: 15656
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#52
Toluene
Concen: 11.017 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 92 Resp: 2542
Ion Ratio Lower Upper
92 100
91 182.1 138.3 207.5

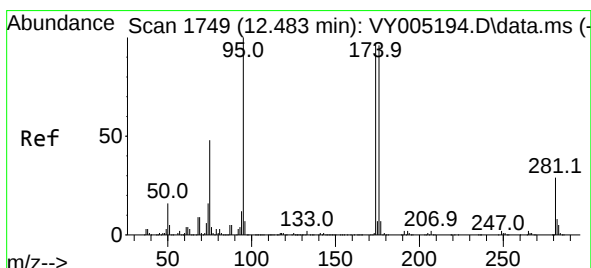
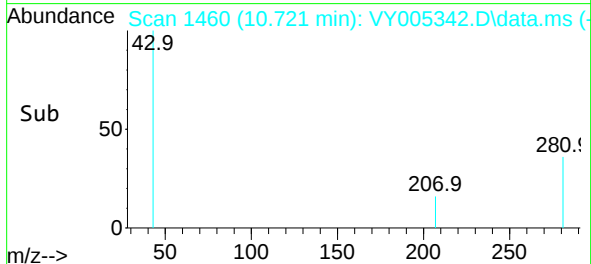
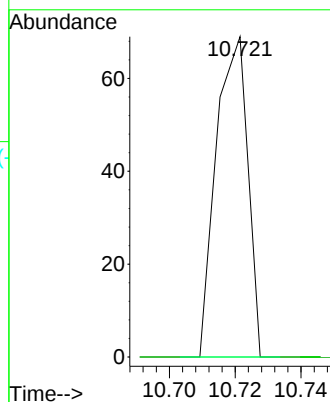
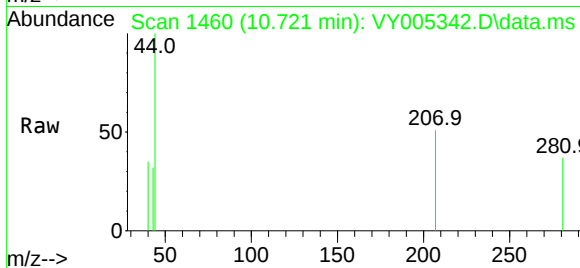




#59
2-Hexanone
Concen: 1.101 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.116 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

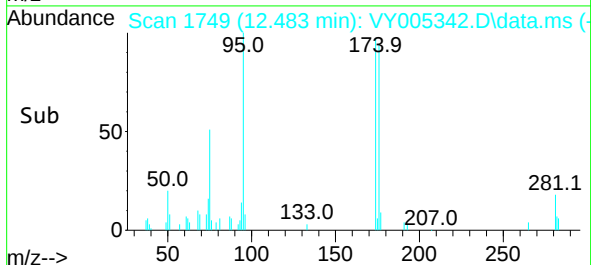
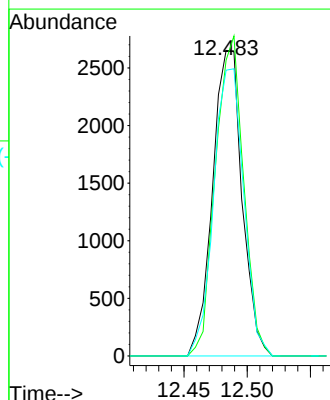
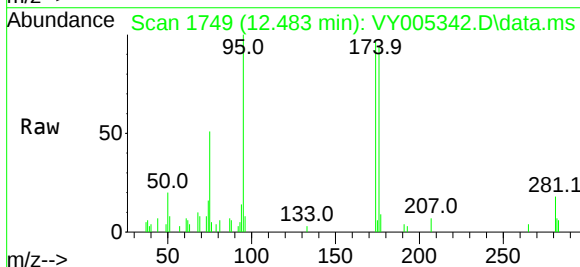
Instrument :
MSVOA_Y
ClientSampled :
2

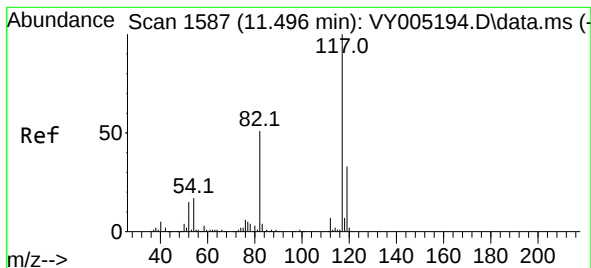
Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.4#



#62
4-Bromofluorobenzene
Concen: 39.464 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 95 Resp: 4312
Ion Ratio Lower Upper
95 100
174 99.0 0.0 201.6
176 95.7 0.0 197.4

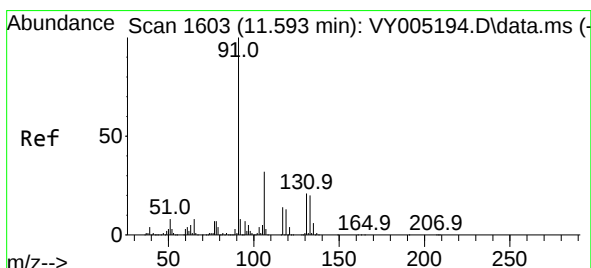
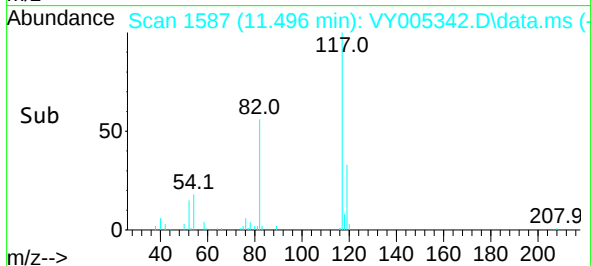
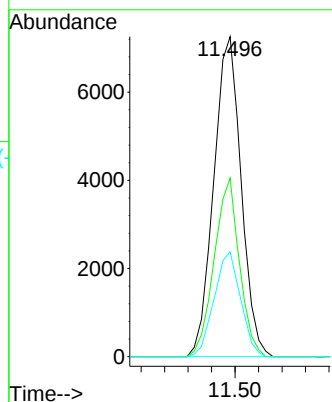
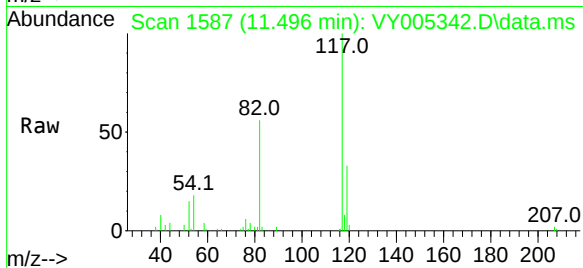




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

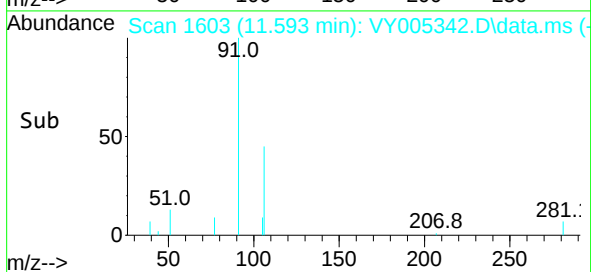
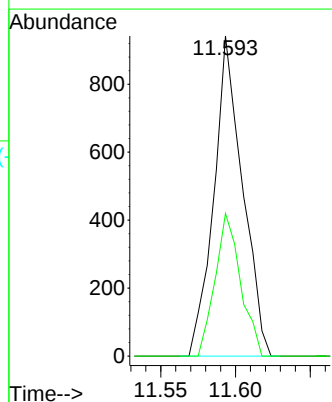
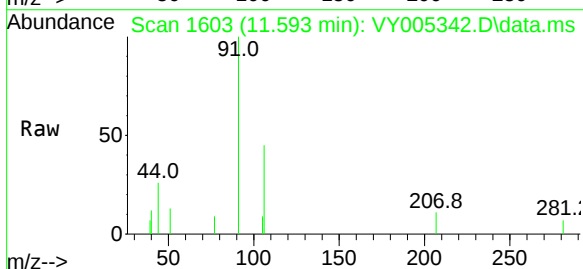
Instrument :
MSVOA_Y
ClientSampled :
2

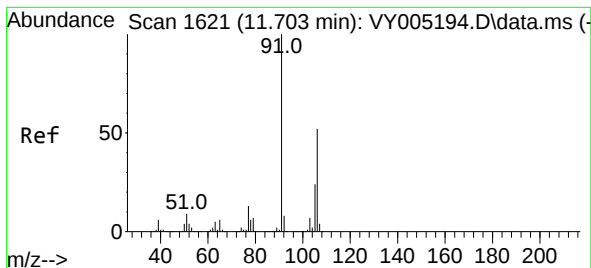
Tgt Ion:	117	Resp:	11725
Ion	Ratio	Lower	Upper
117	100		
82	55.9	40.6	60.8
119	32.8	26.1	39.1



#67
Ethyl Benzene
Concen: 3.129 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion:	91	Resp:	1254
Ion	Ratio	Lower	Upper
91	100		
106	44.6	25.8	38.6#

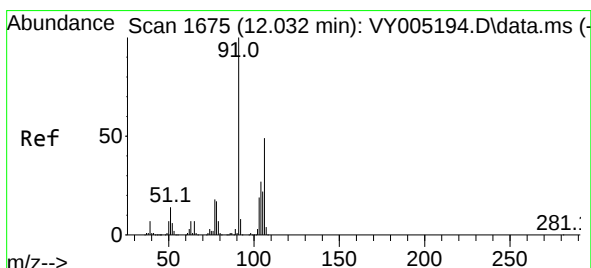
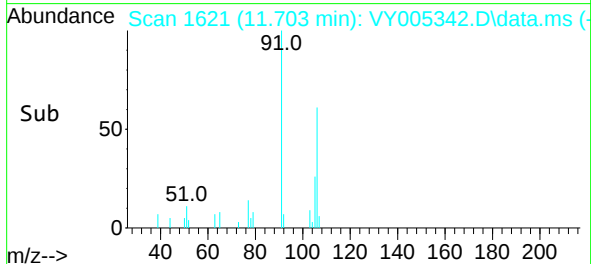
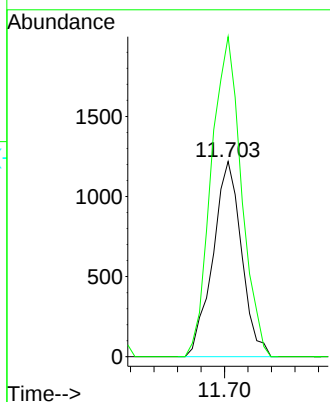
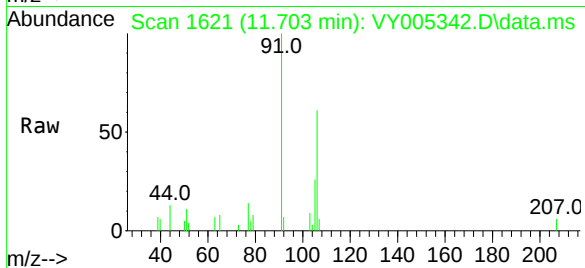




#68
m/p-Xylenes
Concen: 12.887 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

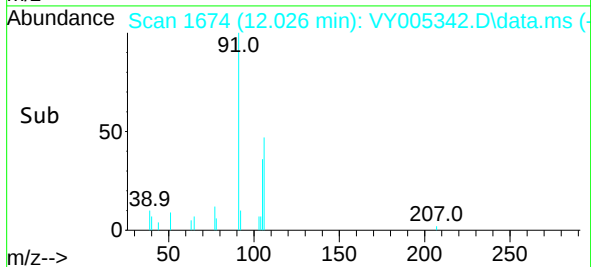
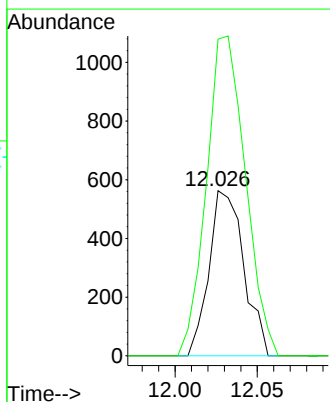
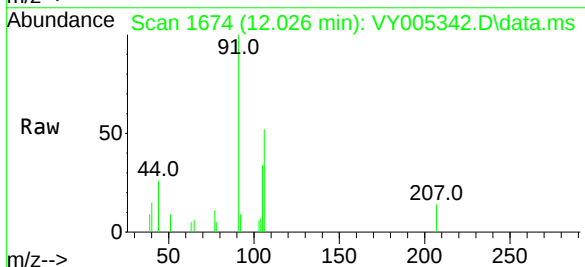
Instrument :
MSVOA_Y
ClientSampled :
2

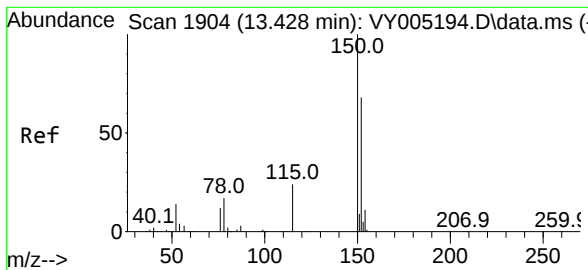
Tgt Ion:106 Resp: 2069
Ion Ratio Lower Upper
106 100
91 172.1 154.8 232.2



#69
o-Xylene
Concen: 5.433 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion:106 Resp: 826
Ion Ratio Lower Upper
106 100
91 217.6 101.6 304.8

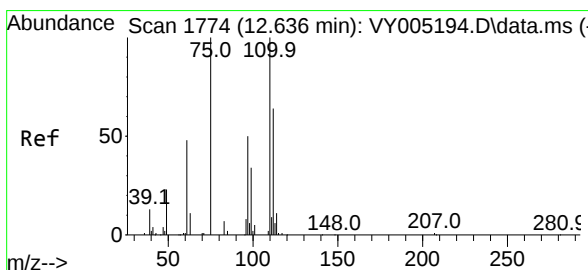
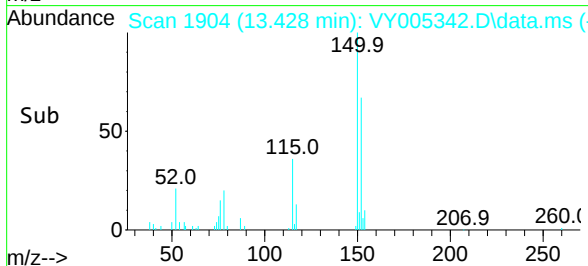
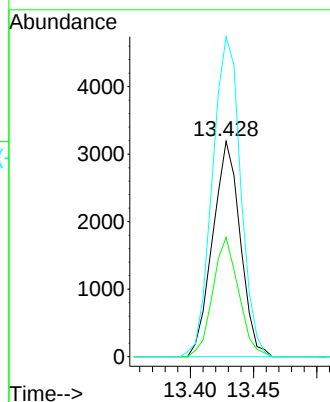
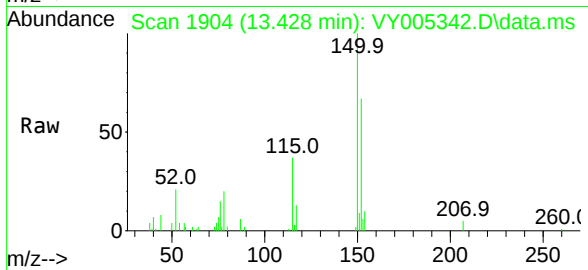




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

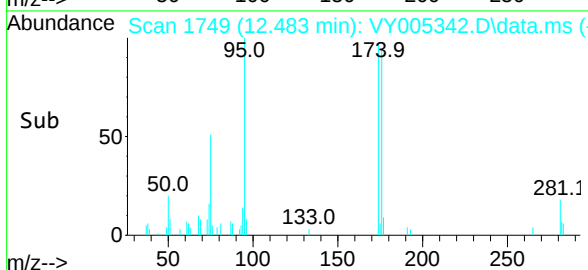
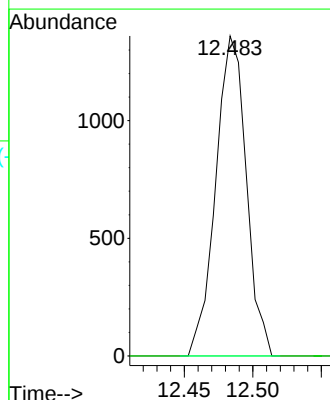
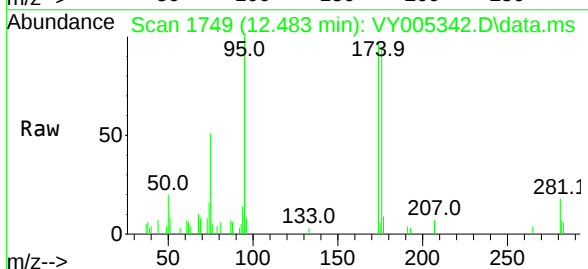
Instrument :
 MSVOA_Y
 ClientSampled :
 2

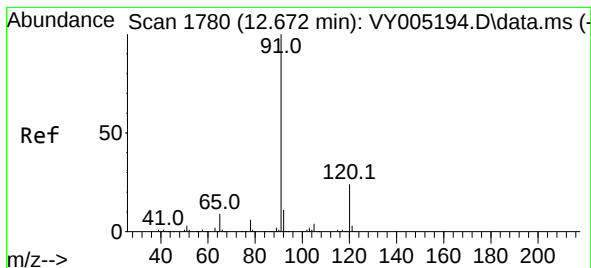
Tgt Ion:	152	Resp:	4829
Ion	Ratio	Lower	Upper
152	100		
115	52.0	26.3	78.8
150	152.2	0.0	344.2



#76
 1,2,3-Trichloropropane
 Concen: 49.314 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

Tgt Ion:	75	Resp:	2112
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

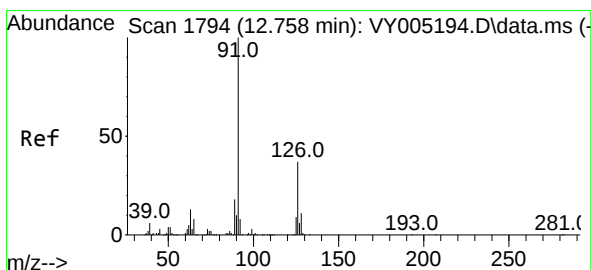
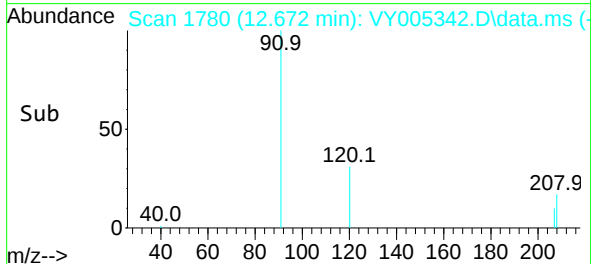
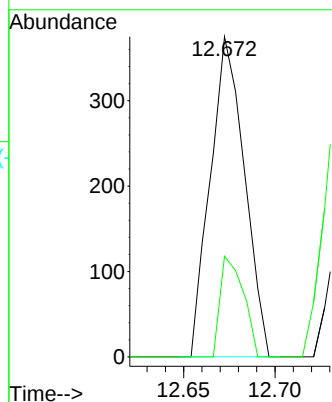
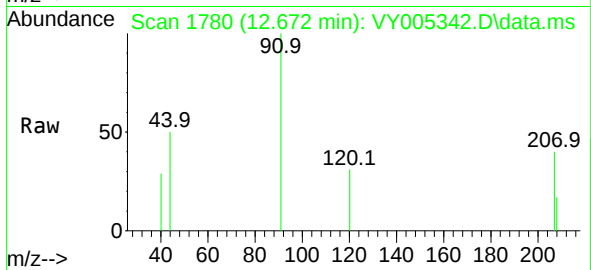




#78
n-propylbenzene
Concen: 1.319 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

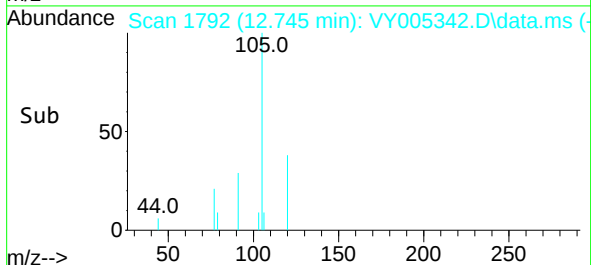
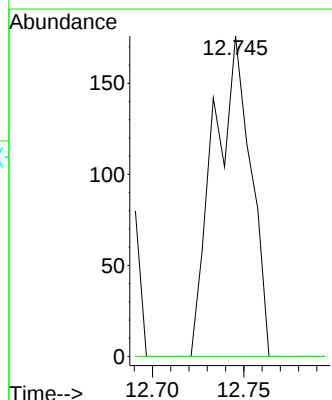
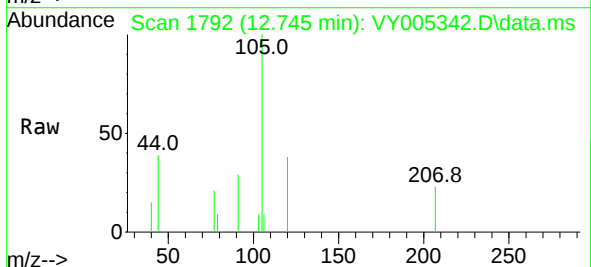
Instrument :
MSVOA_Y
ClientSampled :
2

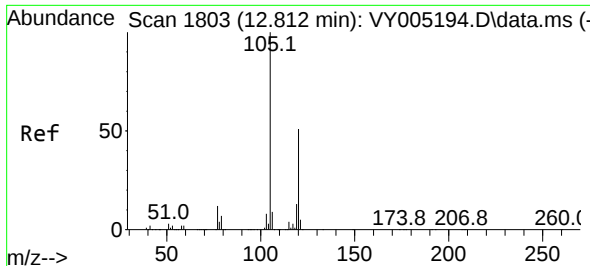
Tgt Ion: 91 Resp: 487
Ion Ratio Lower Upper
91 100
120 21.4 12.4 37.0



#79
2-Chlorotoluene
Concen: 1.190 ug/l
RT: 12.745 min Scan# 1792
Delta R.T. -0.012 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

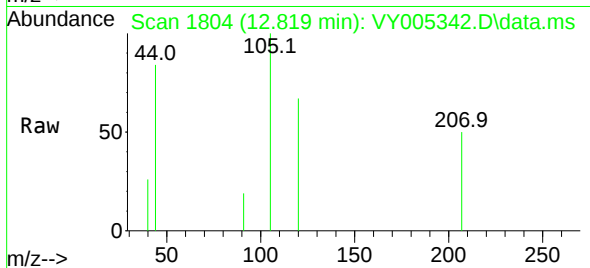
Tgt Ion: 91 Resp: 248
Ion Ratio Lower Upper
91 100
126 0.0 18.6 55.6#



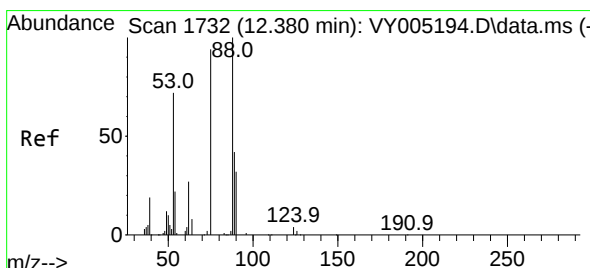
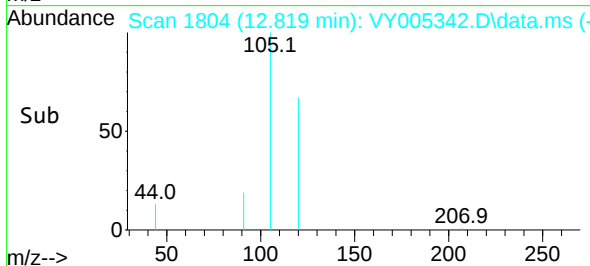
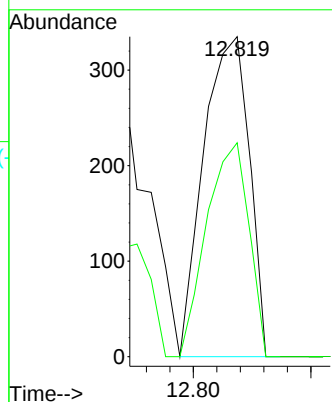


#80
1,3,5-Trimethylbenzene
Concen: 1.744 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
2

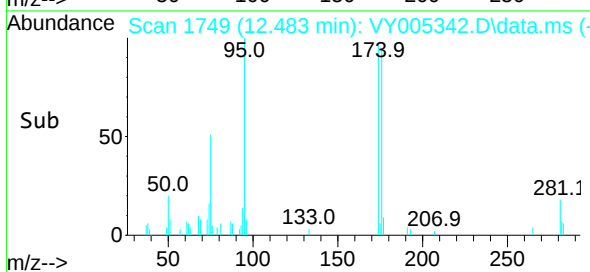
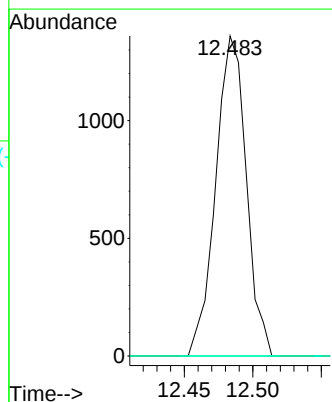
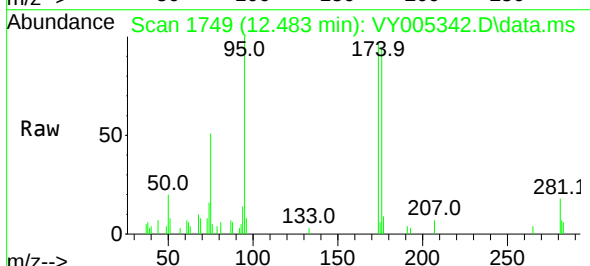


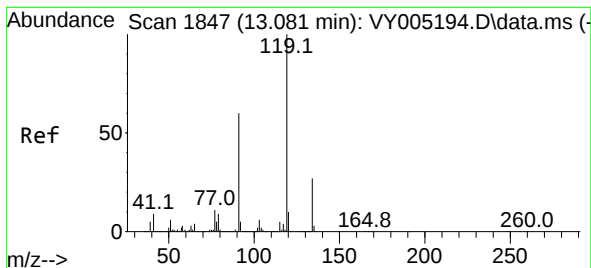
Tgt Ion:105 Resp: 452
Ion Ratio Lower Upper
105 100
120 61.9 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 92.008 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Tgt Ion: 75 Resp: 2112
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#





#83

tert-Butylbenzene

Concen: 1.390 ug/l

RT: 13.117 min Scan# 1853

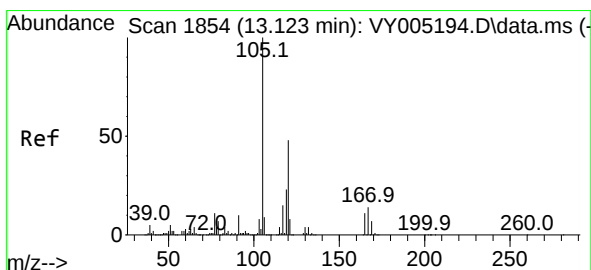
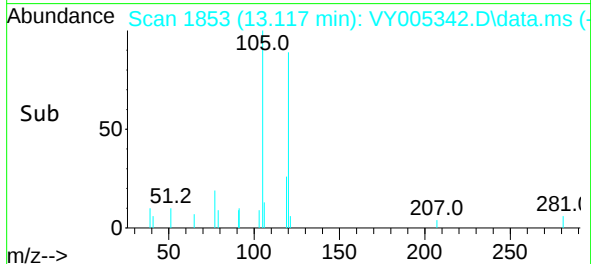
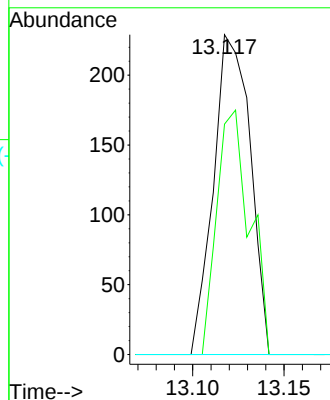
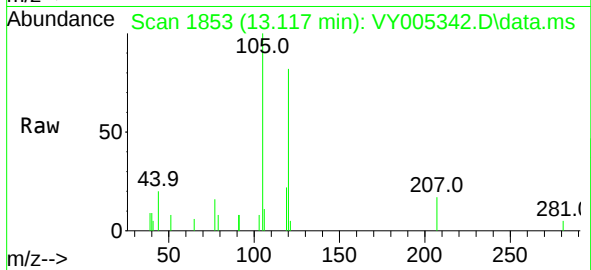
Delta R.T. 0.037 min

Lab File: VY005342.D

Acq: 02 Jul 2021 15:08

Tgt Ion:	119	Resp:	321
Ion	Ratio	Lower	Upper
119	100		
91	68.5	29.5	88.5
134	0.0	13.5	40.5#

Instrument :
MSVOA_Y
ClientSampled :
2



#84

1,2,4-Trimethylbenzene

Concen: 7.444 ug/l

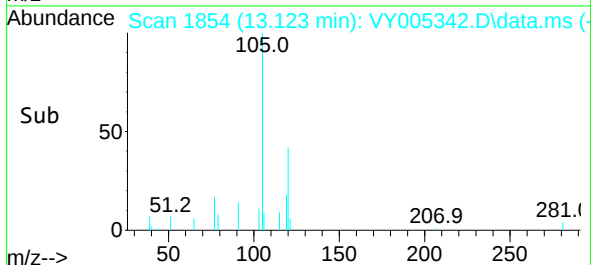
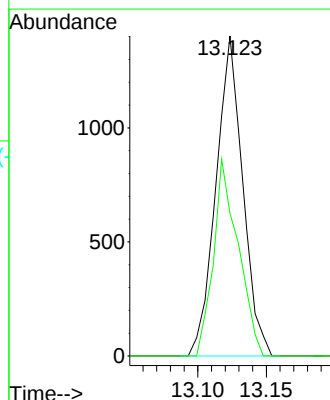
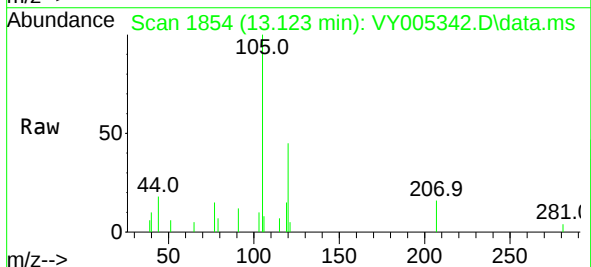
RT: 13.123 min Scan# 1854

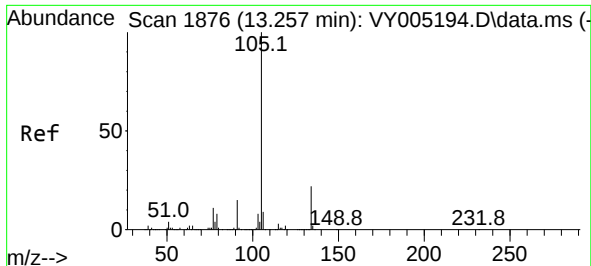
Delta R.T. 0.000 min

Lab File: VY005342.D

Acq: 02 Jul 2021 15:08

Tgt Ion:	105	Resp:	1907
Ion	Ratio	Lower	Upper
105	100		
120	56.5	23.6	71.0

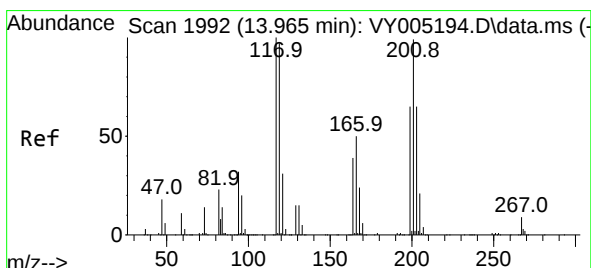
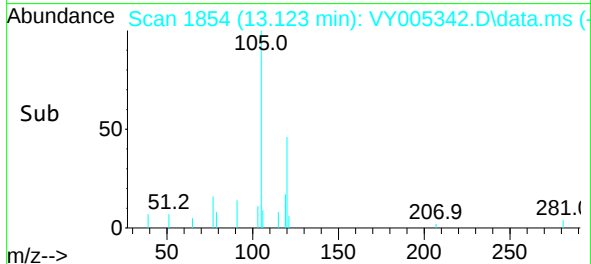
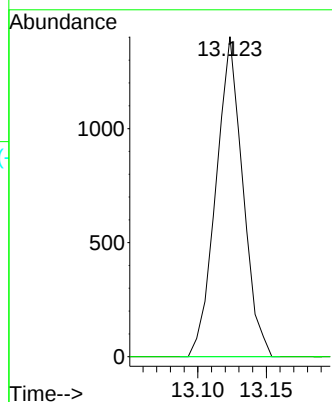
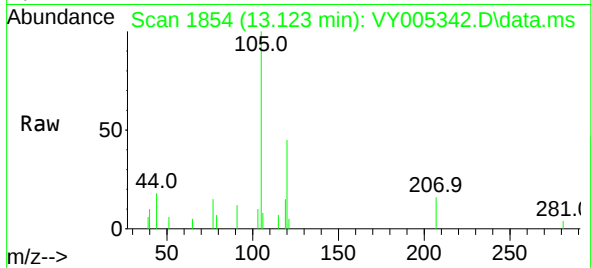




#85
 sec-Butylbenzene
 Concen: 5.675 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

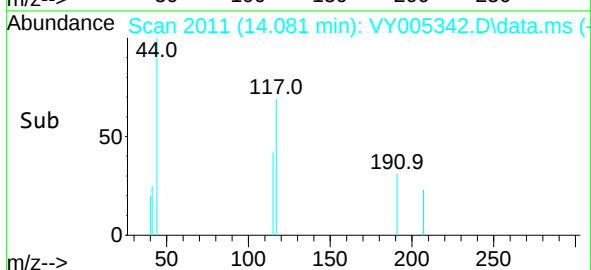
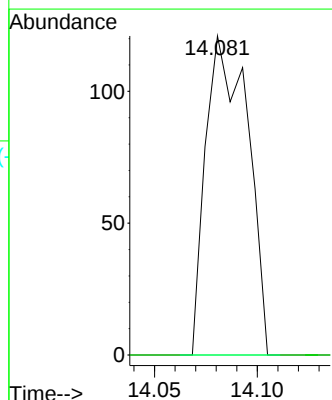
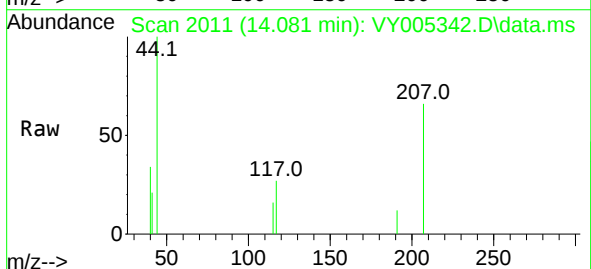
Instrument :
 MSVOA_Y
 ClientSampled :
 2

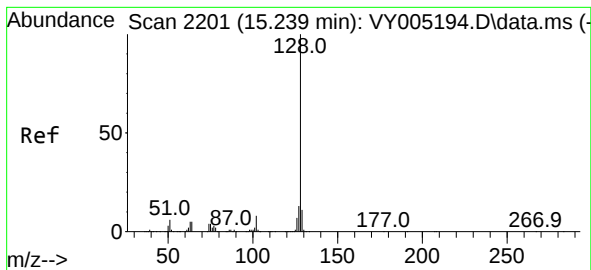
Tgt Ion:105 Resp: 1907
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.6#



#90
 Hexachloroethane
 Concen: 3.265 ug/l
 RT: 14.081 min Scan# 2011
 Delta R.T. 0.116 min
 Lab File: VY005342.D
 Acq: 02 Jul 2021 15:08

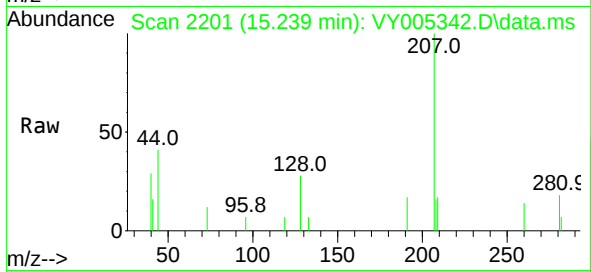
Tgt Ion:117 Resp: 171
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.4 148.2#





#95
Naphthalene
Concen: 1.476 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005342.D
Acq: 02 Jul 2021 15:08

Instrument :
MSVOA_Y
ClientSampleId :
2



Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

