

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005355.D
 Acq On : 02 Jul 2021 20:34
 Operator : SY/MD
 Sample : M2933-04
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 4

Quant Time: Jul 05 01:09:08 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)

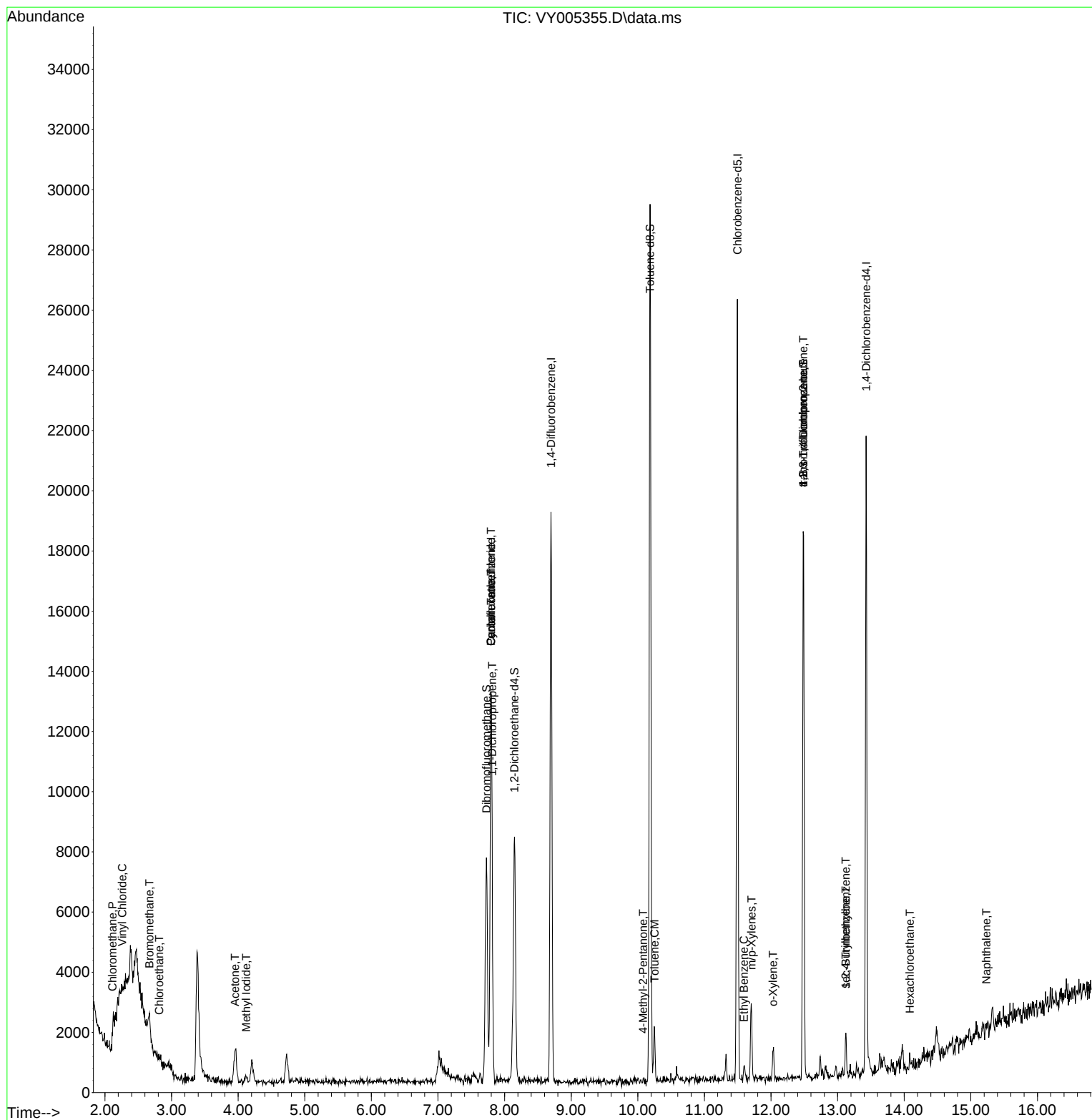
Internal Standards						
1) Pentafluorobenzene	7.795	168	11458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	16489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	14995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	5833	61.345	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.700%			
35) Dibromofluoromethane	7.728	113	5438	55.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.840%			
50) Toluene-d8	10.185	98	20067	51.601	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.483	95	5001	38.591	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.180%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	347	3.458	ug/l	91
4) Vinyl Chloride	2.259	62	209	1.822	ug/l #	42
5) Bromomethane	2.668	94	550	7.558	ug/l	95
6) Chloroethane	2.814	64	178	2.373	ug/l #	42
10) Methyl Iodide	4.119	142	339	2.538	ug/l #	59
11) Tert butyl alcohol	4.948	59	26	Below Cal	#	77
16) Acetone	3.954	43	2104	95.785	ug/l	99
20) Methylene Chloride	4.728	84	655	Below Cal	#	69
31) Cyclohexane	7.795	56	272	1.602	ug/l #	24
36) 1,1-Dichloropropene	7.813	75	1018	7.011	ug/l #	40
38) Carbon Tetrachloride	7.795	117	1037	6.823	ug/l #	12
51) 4-Methyl-2-Pentanone	10.081	43	84	1.166	ug/l #	32
52) Toluene	10.252	92	855	3.124	ug/l	92
67) Ethyl Benzene	11.593	91	628	1.225	ug/l	97
68) m/p-Xylenes	11.709	106	851	4.145	ug/l	99
69) o-Xylene	12.032	106	397	2.042	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	2359	47.548	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2359	88.715	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	925	3.117	ug/l	100
85) sec-Butylbenzene	13.123	105	925	2.376	ug/l #	54
90) Hexachloroethane	14.086	117	98	1.615	ug/l #	1
95) Naphthalene	15.233	128	332	1.566	ug/l #	69

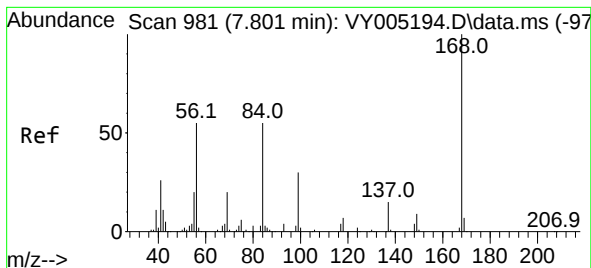
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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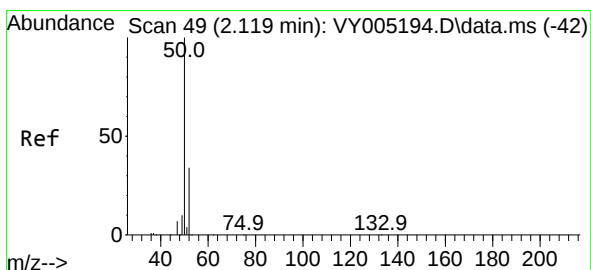
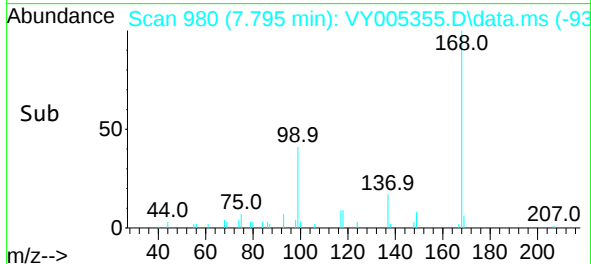
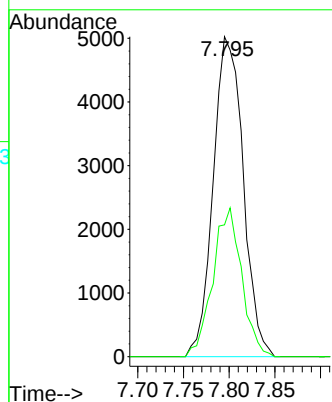
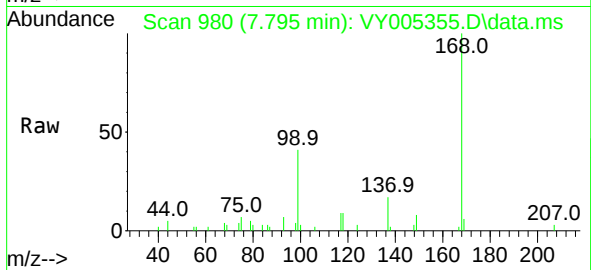




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

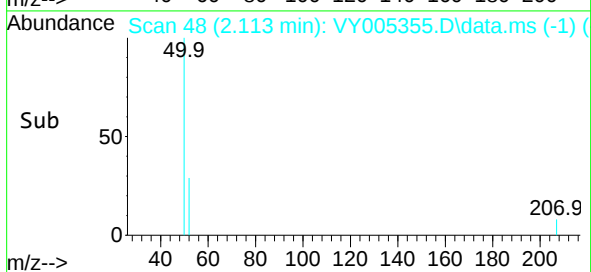
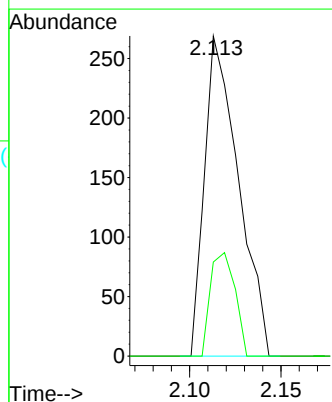
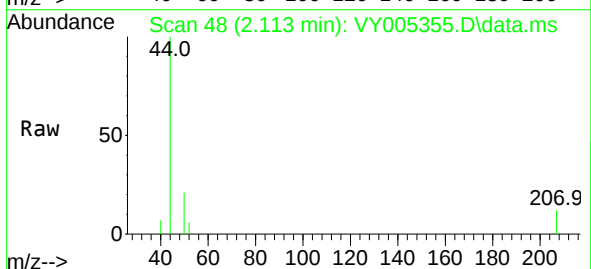
Instrument :
MSVOA_Y
ClientSampleId :
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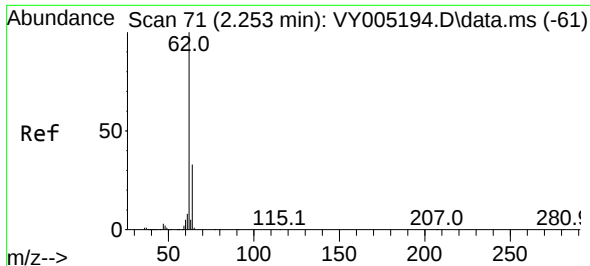
Tgt Ion:168 Resp: 11458
Ion Ratio Lower Upper
168 100
99 41.2 36.2 54.4



#3
Chloromethane
Concen: 3.458 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 29.4 27.4 41.2

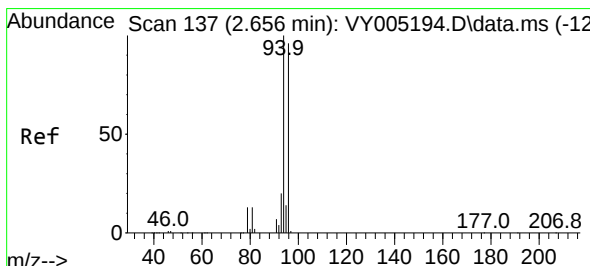
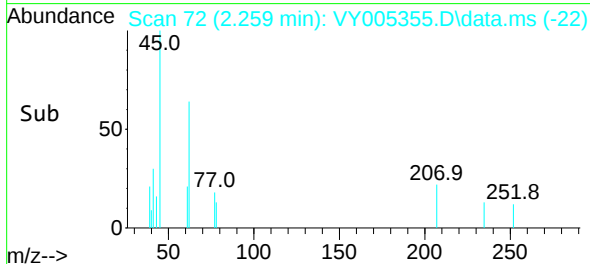
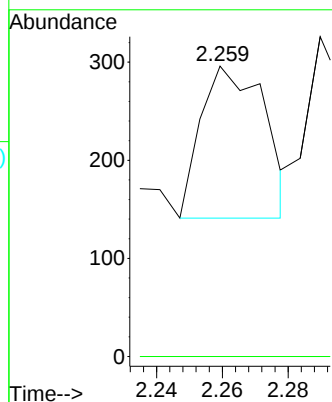
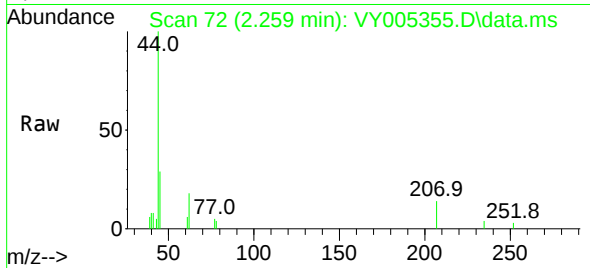




#4
 Vinyl Chloride
 Concen: 1.822 ug/l
 RT: 2.259 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: VY005355.D
 Acq: 02 Jul 2021 20:34

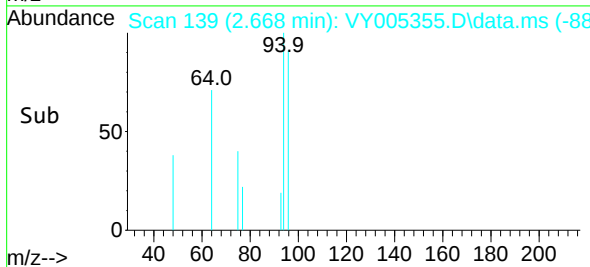
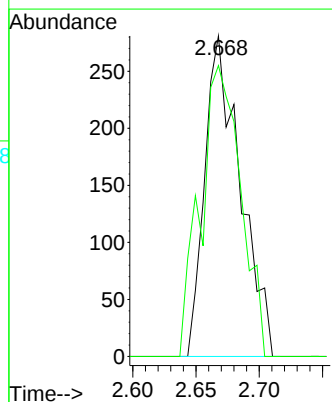
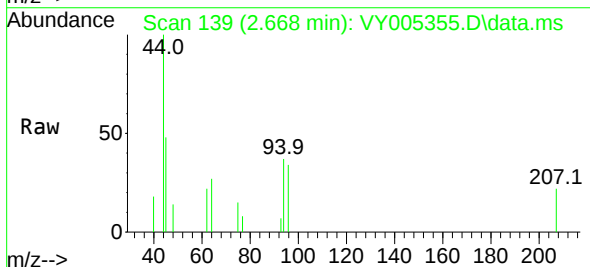
Instrument :
 MSVOA_Y
 ClientSampled :
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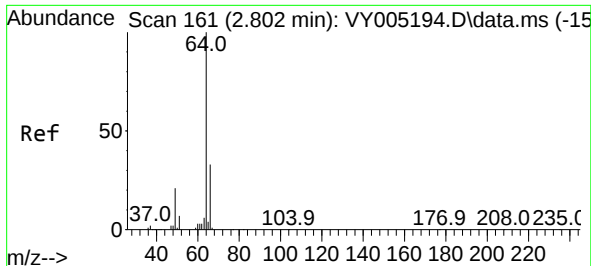
Tgt Ion: 62 Resp: 209
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 7.558 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY005355.D
 Acq: 02 Jul 2021 20:34

Tgt Ion: 94 Resp: 550
 Ion Ratio Lower Upper
 94 100
 96 90.7 76.9 115.3

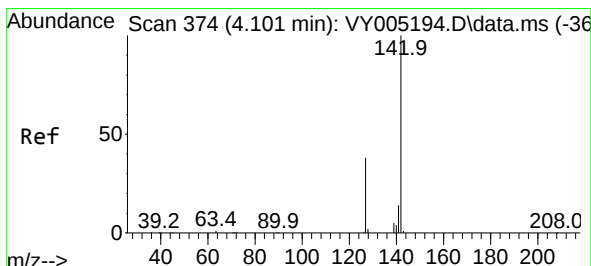
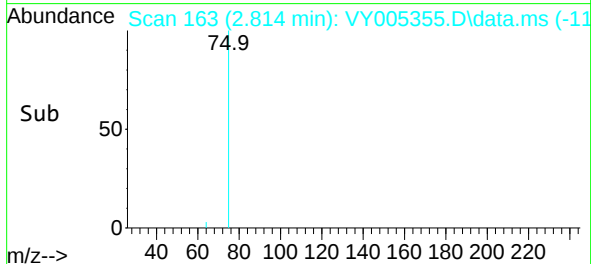
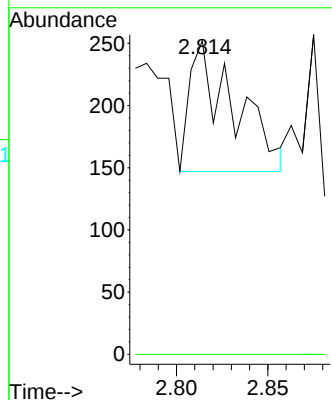
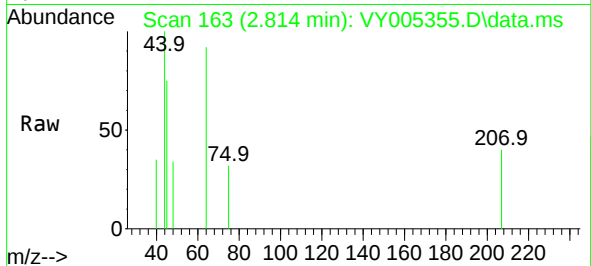




#6
Chloroethane
Concen: 2.373 ug/l
RT: 2.814 min Scan# 163
Delta R.T. 0.012 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

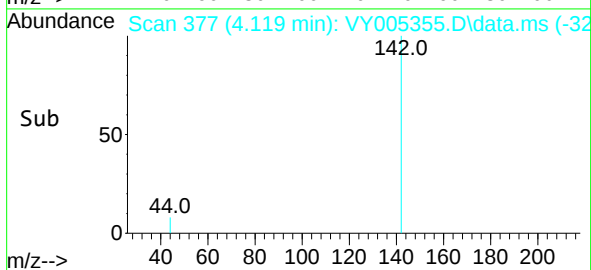
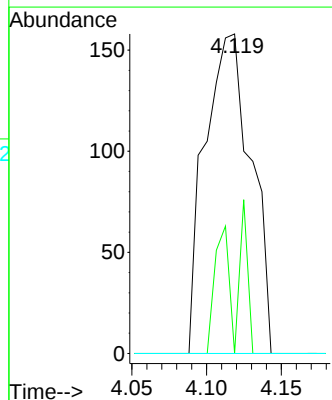
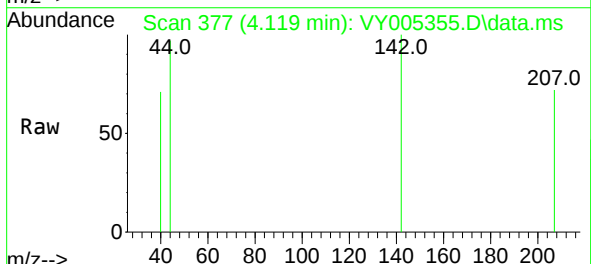
Instrument :
MSVOA_Y
ClientSampleId :
4

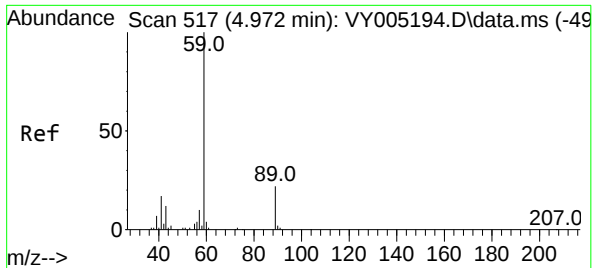
Tgt Ion: 64 Resp: 178
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 2.538 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.018 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 142 Resp: 339
Ion Ratio Lower Upper
142 100
127 12.4 31.3 46.9#
141 0.0 11.3 16.9#

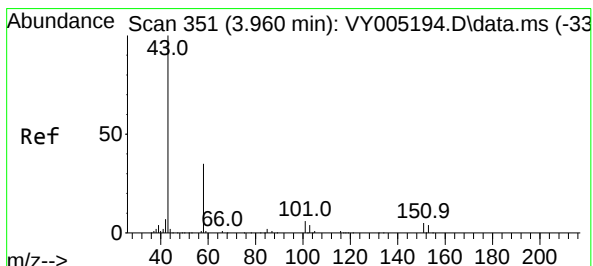
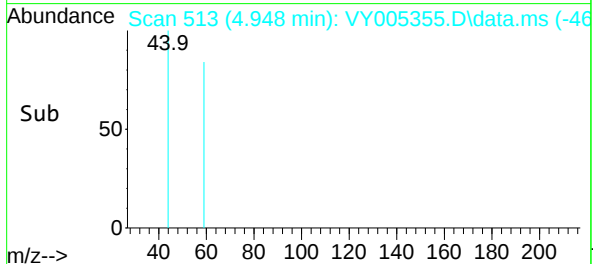
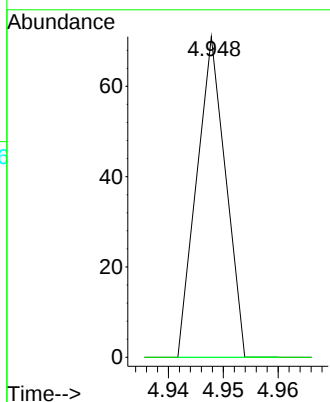
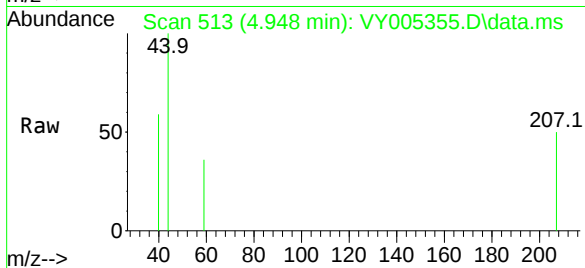




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

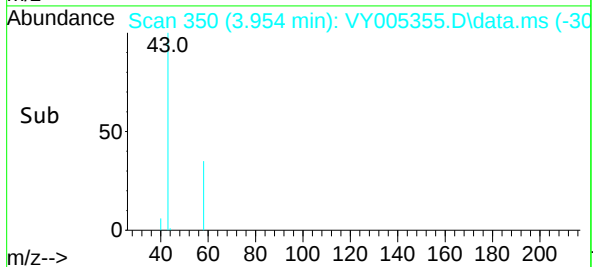
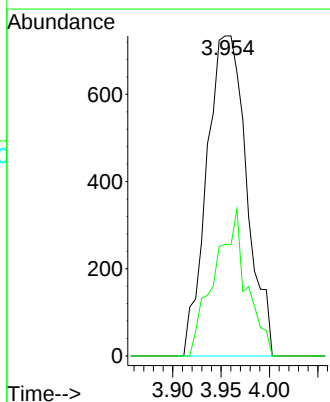
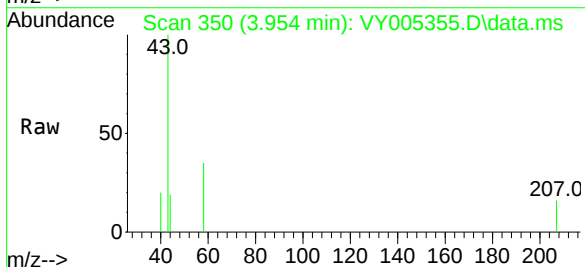
Instrument :
MSVOA_Y
ClientSampleId :
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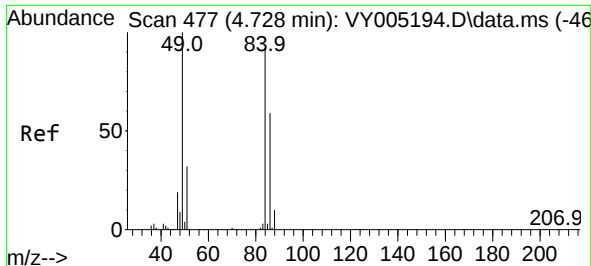
Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#16
Acetone
Concen: 95.785 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

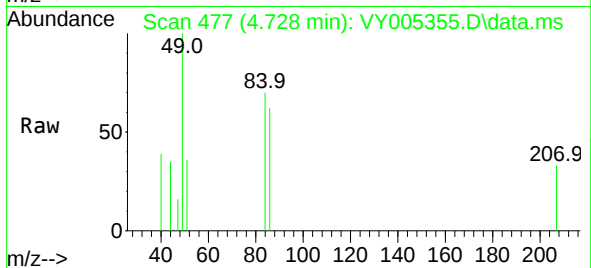
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 34.9 28.2 42.2



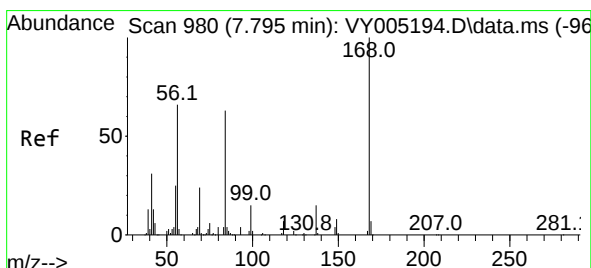
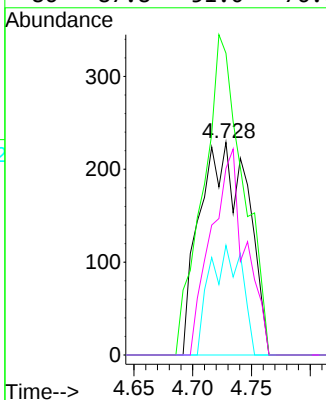
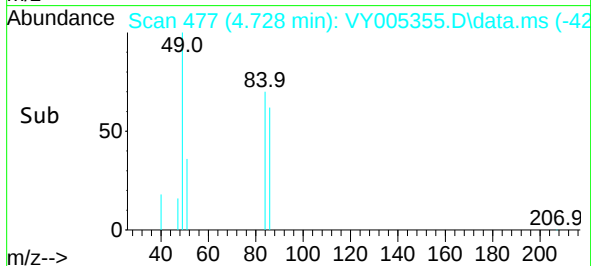


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

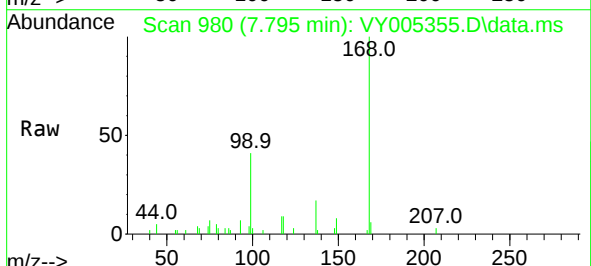
Instrument :
MSVOA_Y
ClientSampleId :
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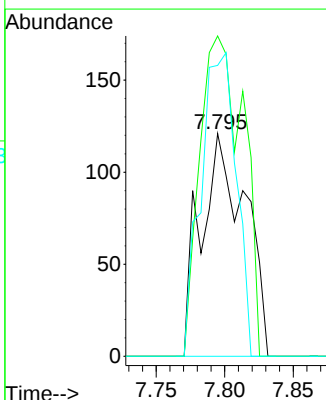
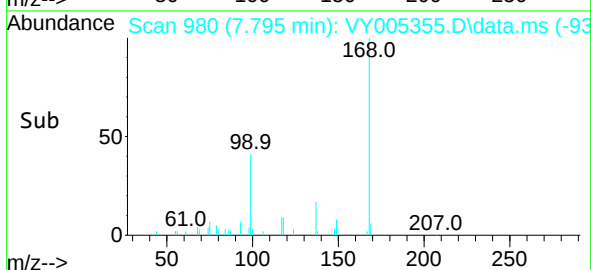
Tgt Ion:	84	Resp:	655
Ion	Ratio	Lower	Upper
84	100		
49	141.9	86.9	130.3#
51	51.5	27.4	41.2#
86	87.8	51.0	76.6#

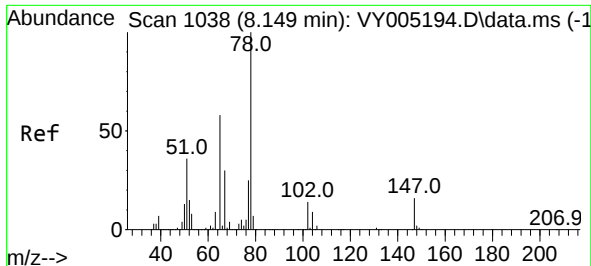


#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34



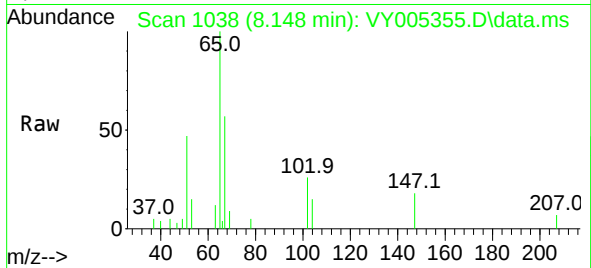
Tgt Ion:	56	Resp:	272
Ion	Ratio	Lower	Upper
56	100		
69	143.8	29.6	44.4#
84	130.6	76.4	114.6#



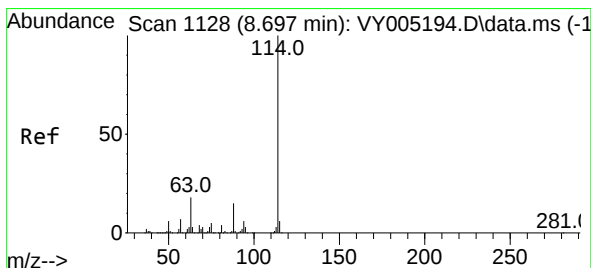
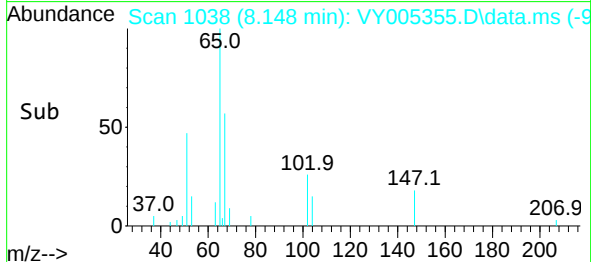
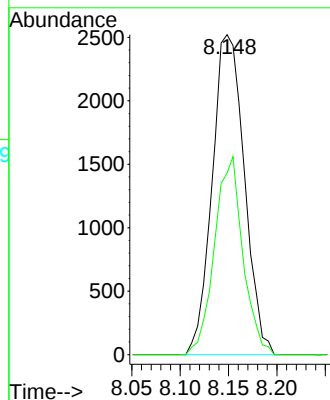


#33
 1,2-Dichloroethane-d4
 Concen: 61.345 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005355.D
 Acq: 02 Jul 2021 20:34

Instrument :
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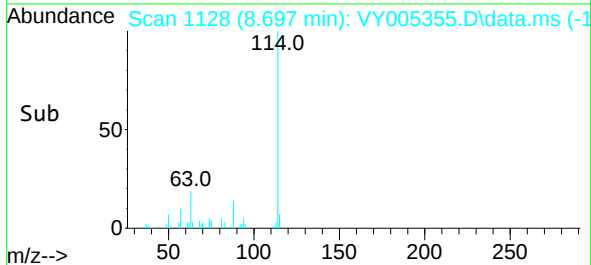
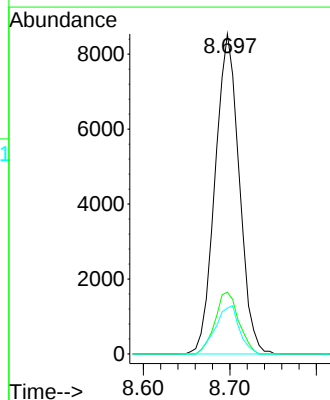
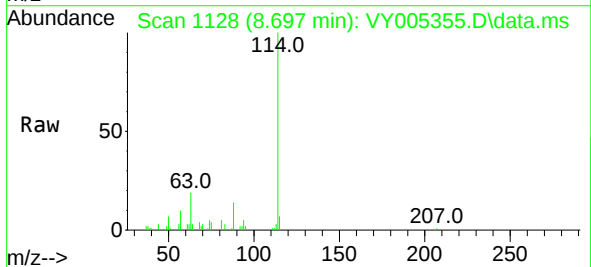


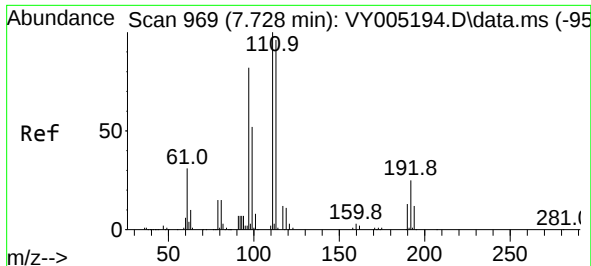
Tgt Ion: 65 Resp: 5833
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005355.D
 Acq: 02 Jul 2021 20:34

Tgt Ion: 114 Resp: 16489
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.2
 88 14.4 0.0 29.4

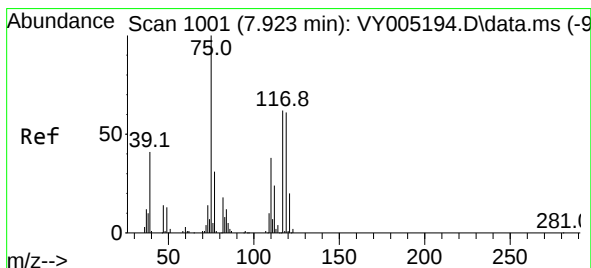
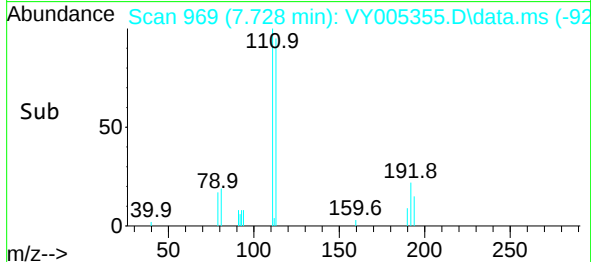
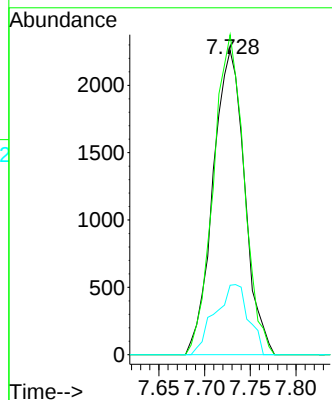
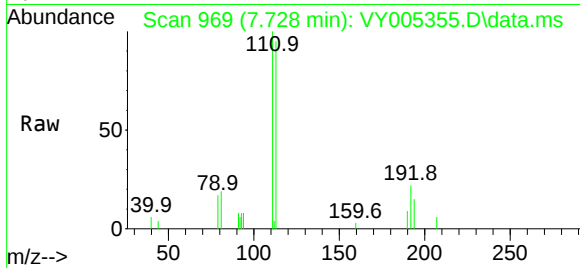




#35
Dibromofluoromethane
Concen: 55.921 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

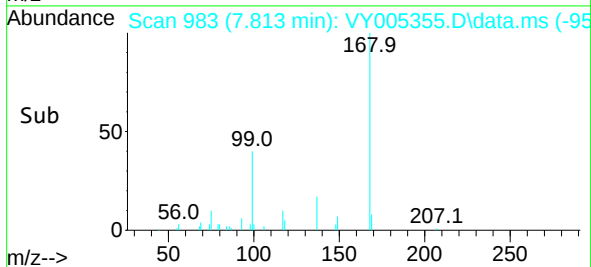
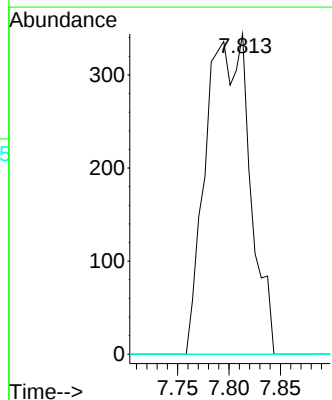
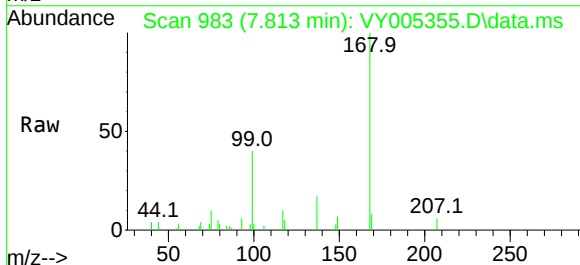
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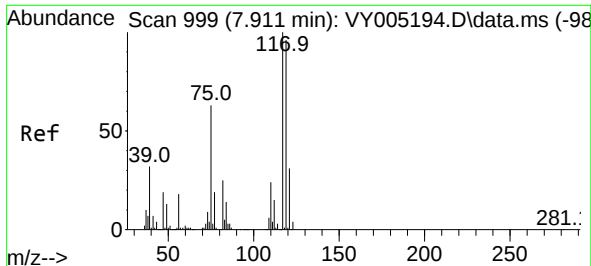
Tgt Ion:	113	Resp:	5438
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	124.0
192	24.4	20.2	30.2



#36
1,1-Dichloropropene
Concen: 7.011 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion:	75	Resp:	1018
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.5#
77	0.0	25.2	37.8#

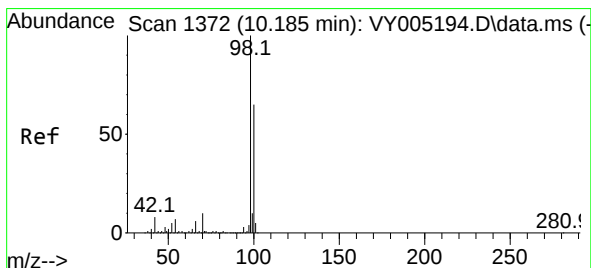
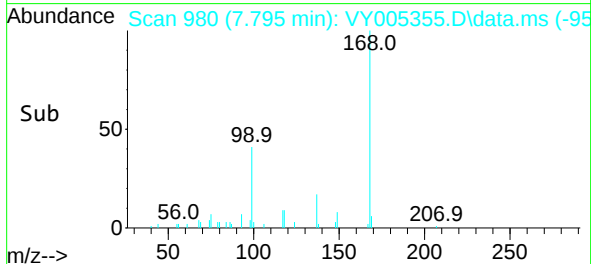
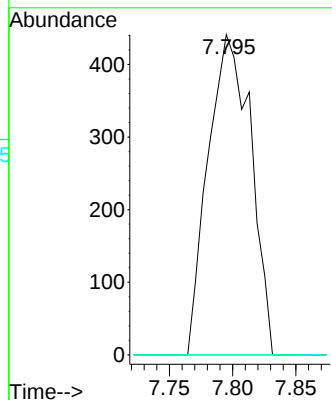
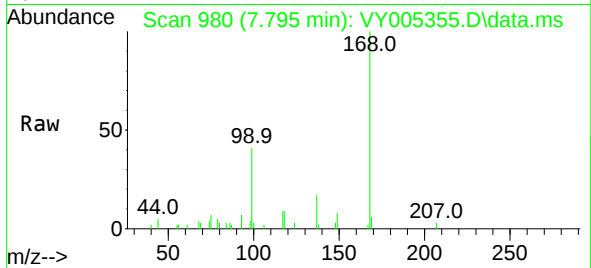




#38
Carbon Tetrachloride
Concen: 6.823 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

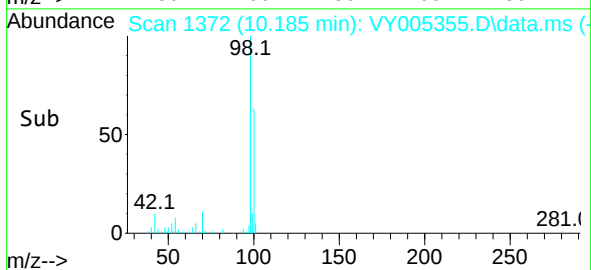
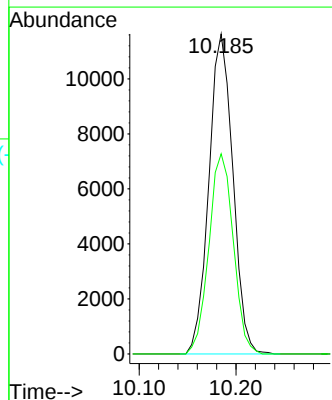
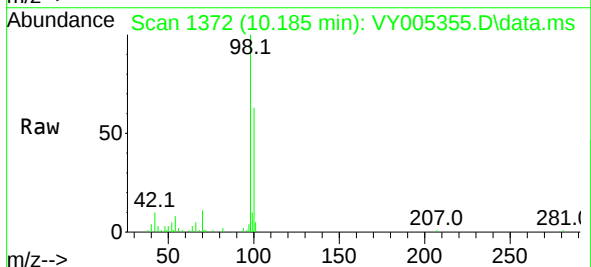
Instrument :
MSVOA_Y
ClientSampleId :
4

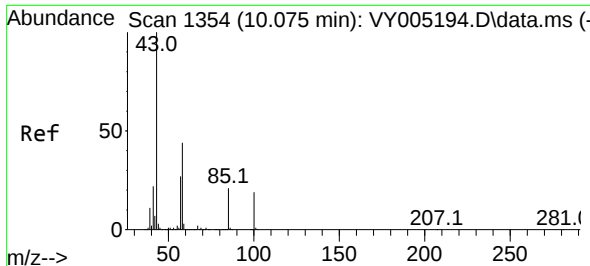
Tgt Ion:117 Resp: 1037
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.601 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 98 Resp: 20067
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

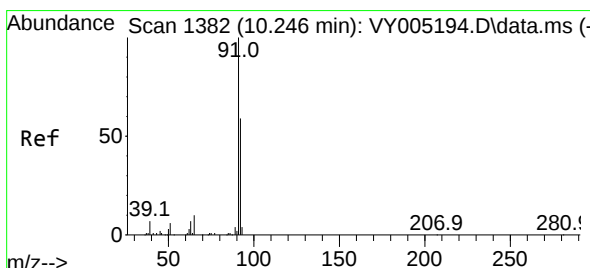
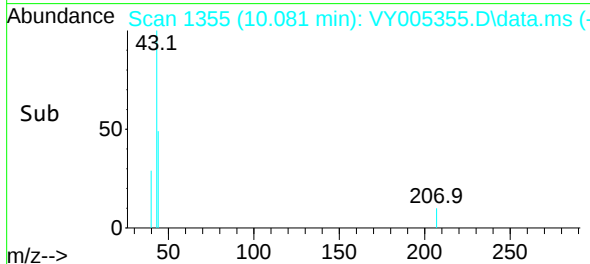
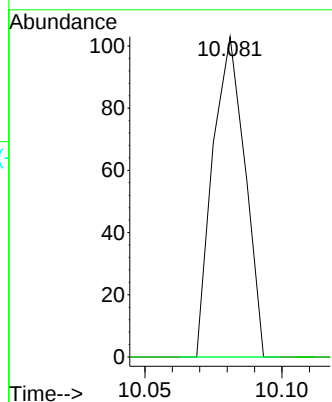
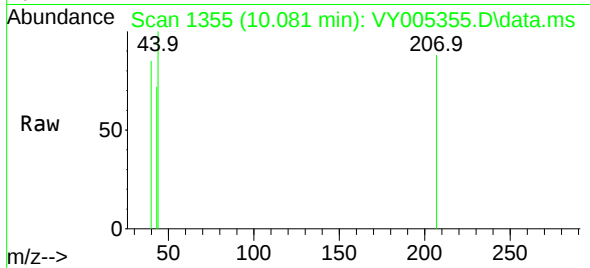




#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

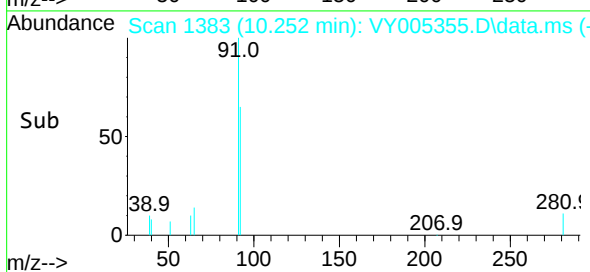
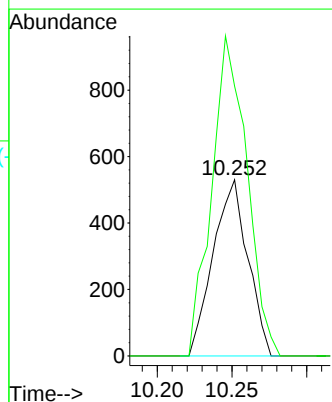
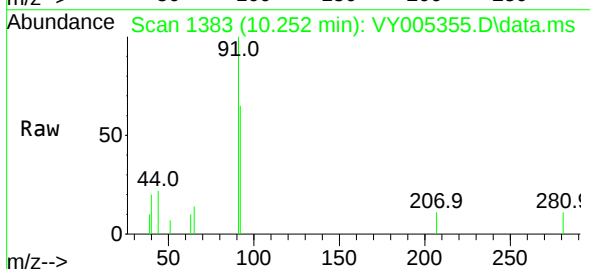
Instrument :
MSVOA_Y
ClientSampled :
4

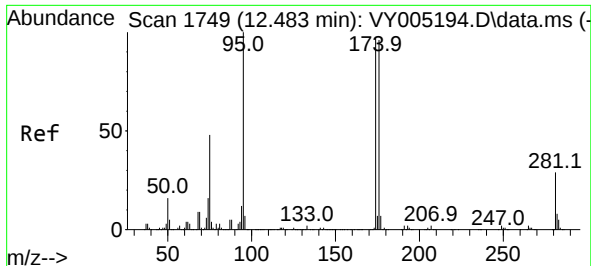
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 35.3 52.9#



#52
Toluene
Concen: 3.124 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 92 Resp: 855
Ion Ratio Lower Upper
92 100
91 184.3 138.3 207.5

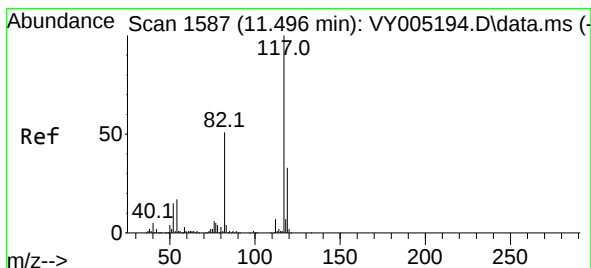
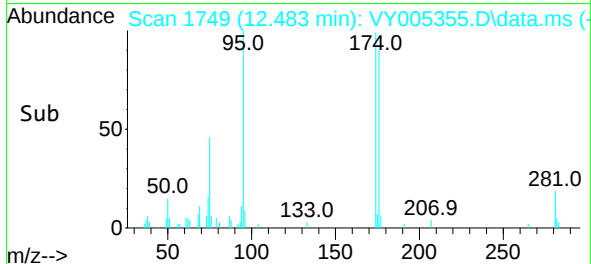
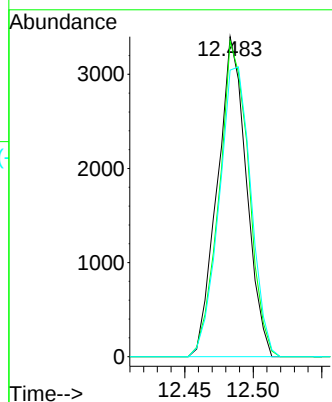
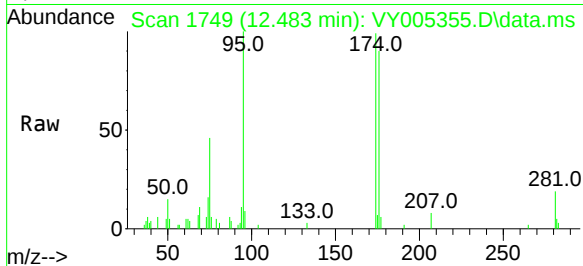




#62
4-Bromofluorobenzene
Concen: 38.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

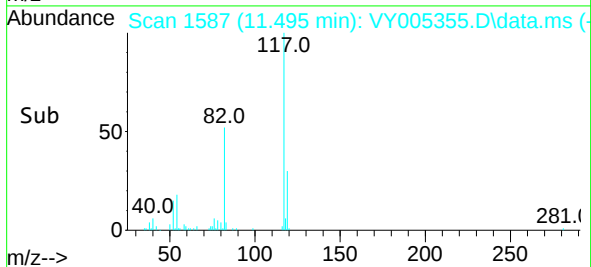
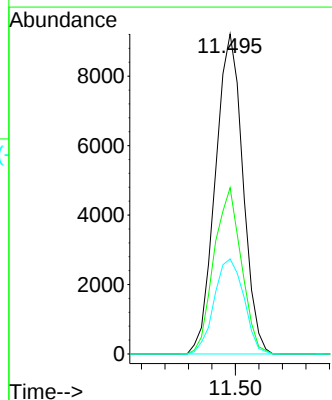
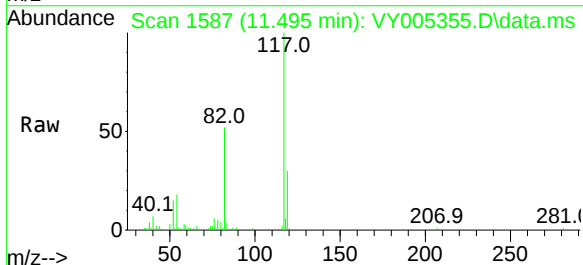
Instrument :
MSVOA_Y
ClientSampleId :
4

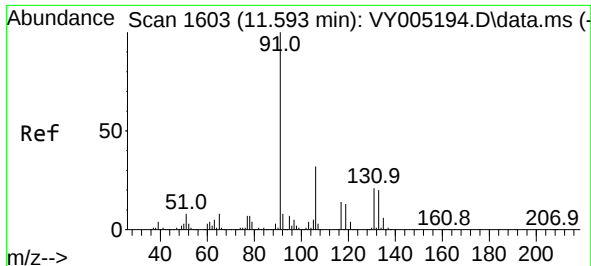
Tgt Ion:	95	Resp:	5001
Ion	Ratio	Lower	Upper
95	100		
174	100.2	0.0	201.6
176	99.4	0.0	197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion:	117	Resp:	14995
Ion	Ratio	Lower	Upper
117	100		
82	51.9	40.6	60.8
119	29.7	26.1	39.1

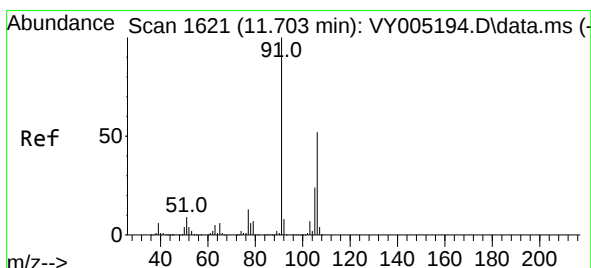
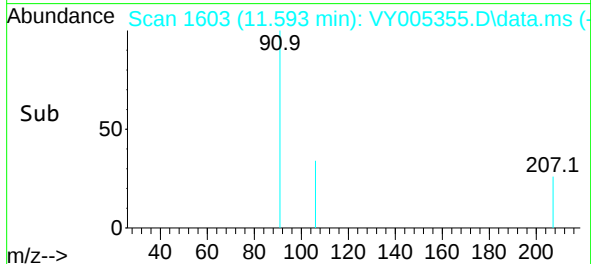
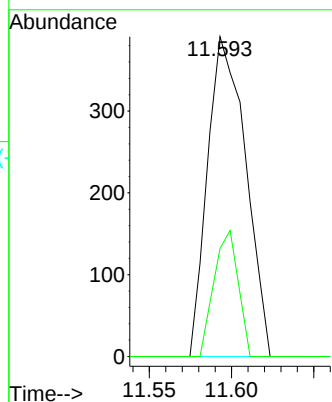
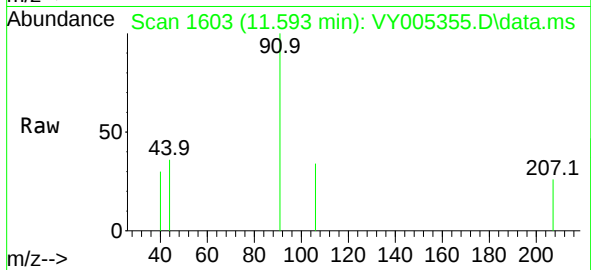




#67
Ethyl Benzene
Concen: 1.225 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

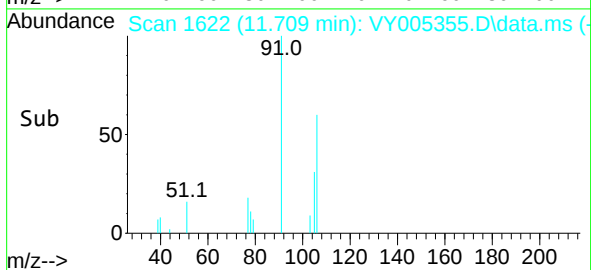
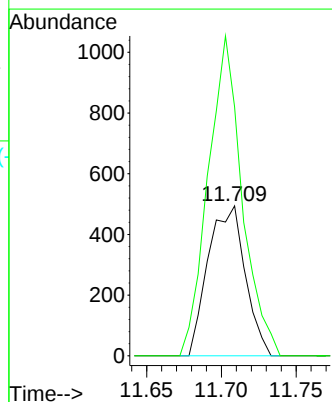
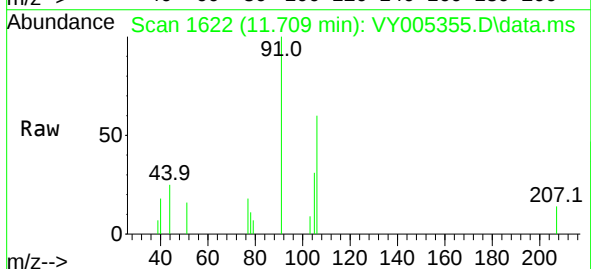
Instrument :
MSVOA_Y
ClientSampleId :
4

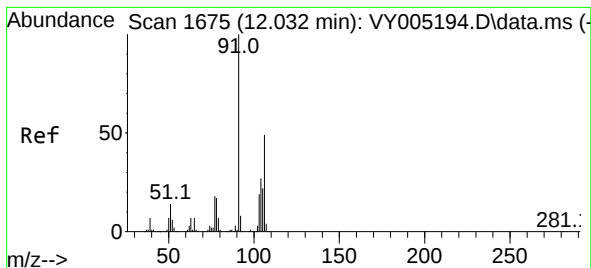
Tgt Ion: 91 Resp: 628
Ion Ratio Lower Upper
91 100
106 33.8 25.8 38.6



#68
m/p-Xylenes
Concen: 4.145 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 106 Resp: 851
Ion Ratio Lower Upper
106 100
91 195.5 154.8 232.2

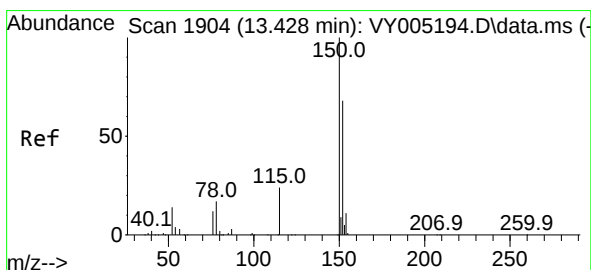
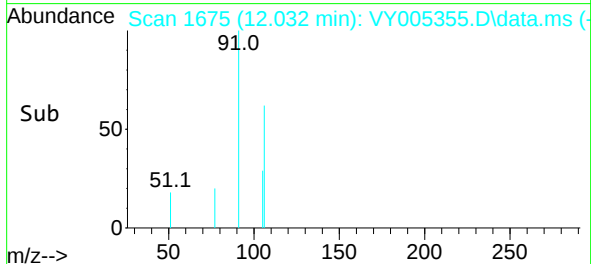
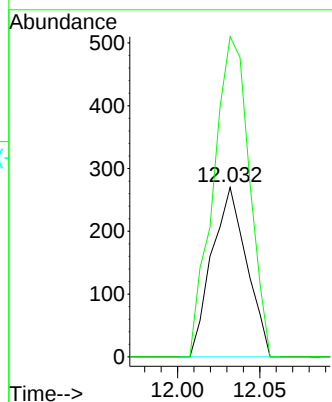
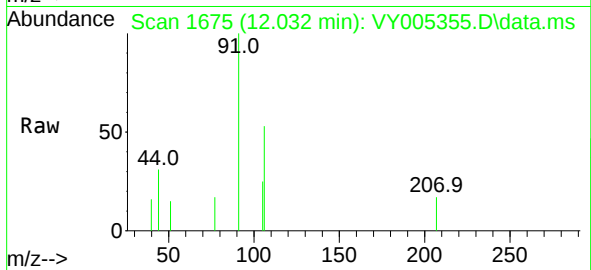




#69
o-Xylene
Concen: 2.042 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

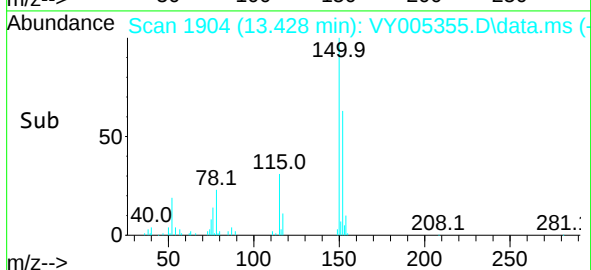
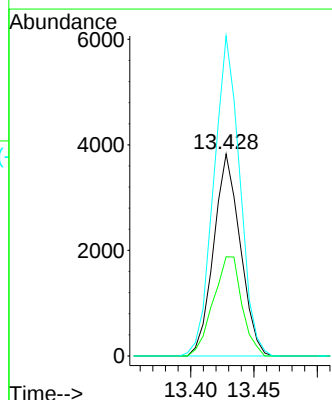
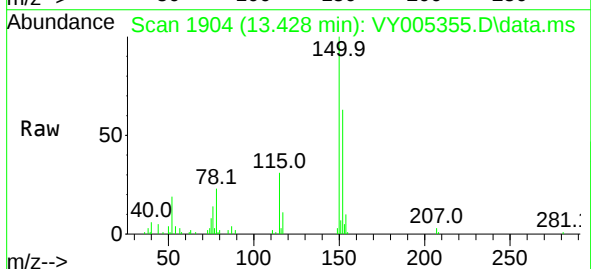
Instrument :
MSVOA_Y
ClientSampled :
4

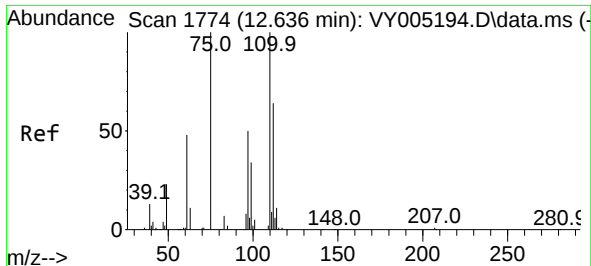
Tgt Ion:106 Resp: 397
Ion Ratio Lower Upper
106 100
91 195.5 101.6 304.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion:152 Resp: 5594
Ion Ratio Lower Upper
152 100
115 52.8 26.3 78.8
150 155.0 0.0 344.2

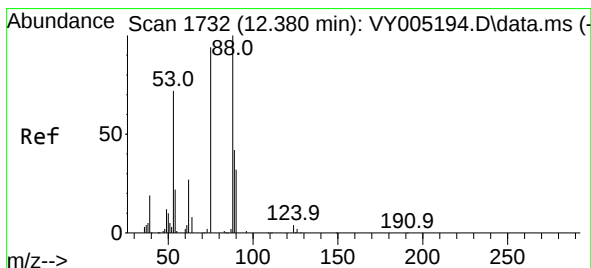
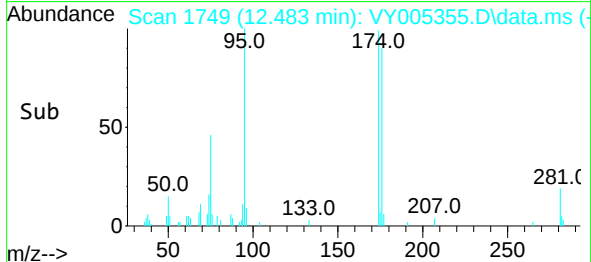
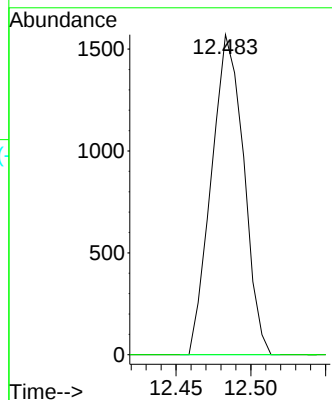
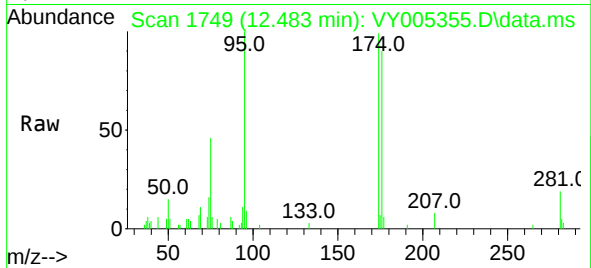




#76
1,2,3-Trichloropropane
Concen: 47.548 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

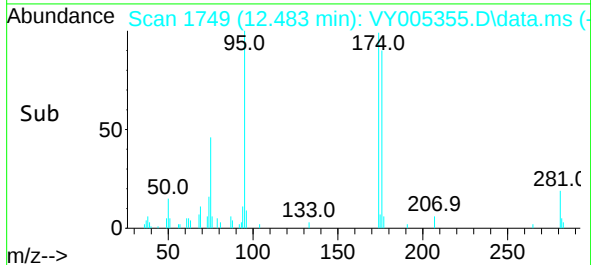
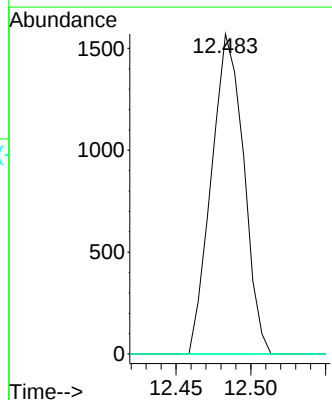
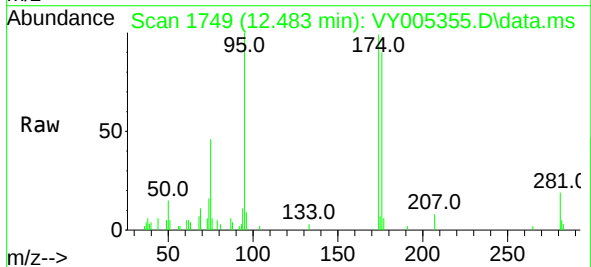
Instrument :
MSVOA_Y
ClientSampled :
4

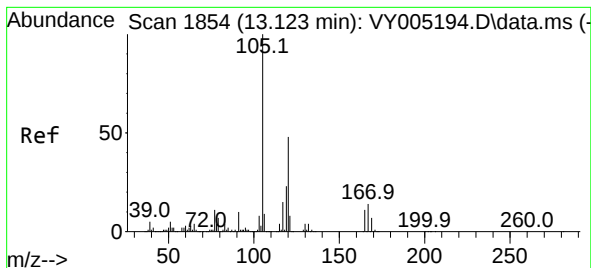
Tgt Ion: 75 Resp: 2359
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 88.715 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion: 75 Resp: 2359
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.117 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY005355.D

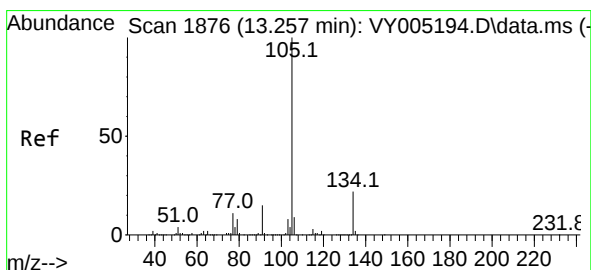
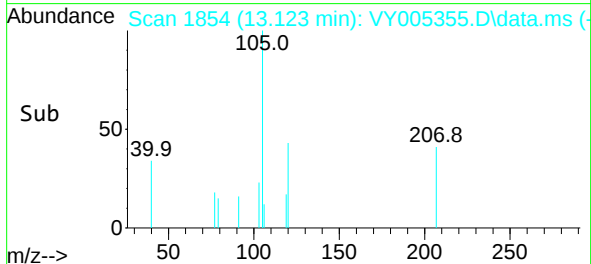
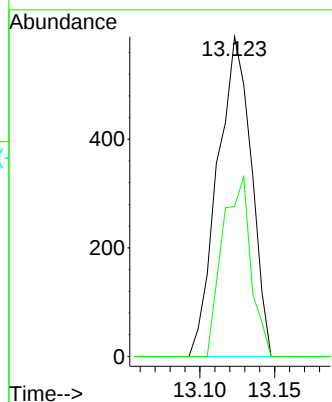
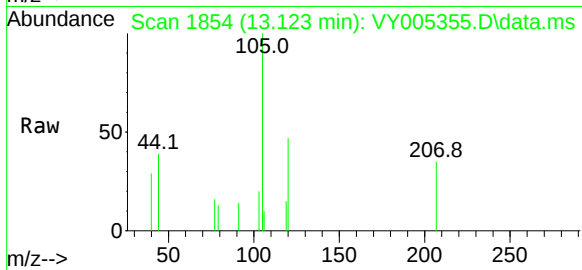
Acq: 02 Jul 2021 20:34

Tgt Ion:105 Resp: 925

Ion Ratio Lower Upper

105 100

120 47.1 23.6 71.0



#85

sec-Butylbenzene

Concen: 2.376 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY005355.D

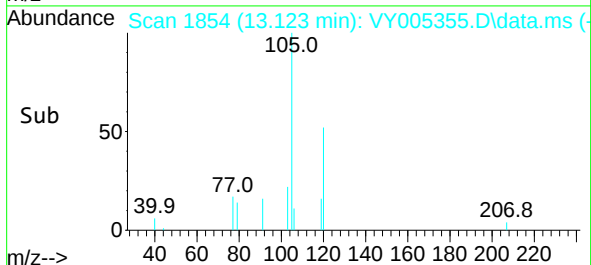
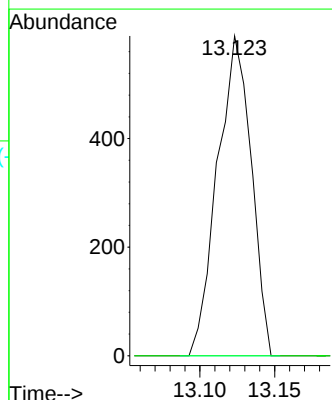
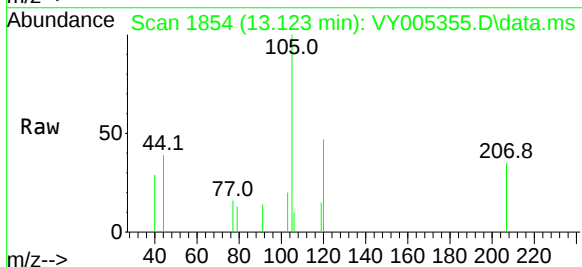
Acq: 02 Jul 2021 20:34

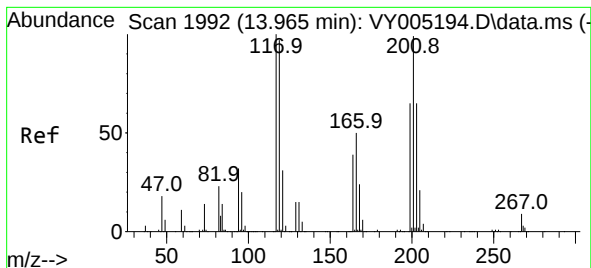
Tgt Ion:105 Resp: 925

Ion Ratio Lower Upper

105 100

134 0.0 10.9 32.6#

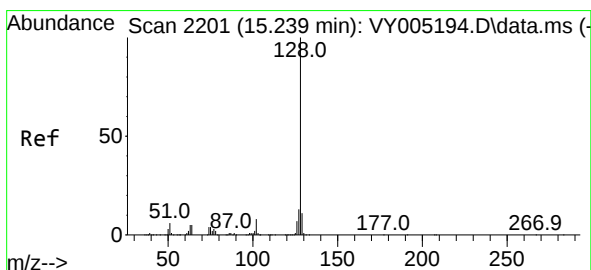
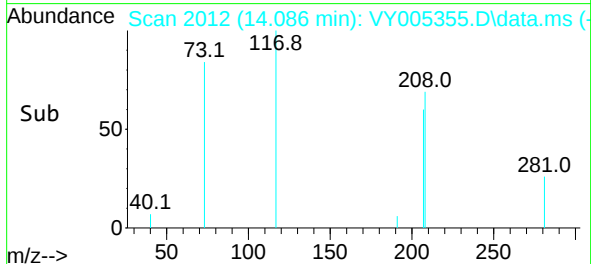
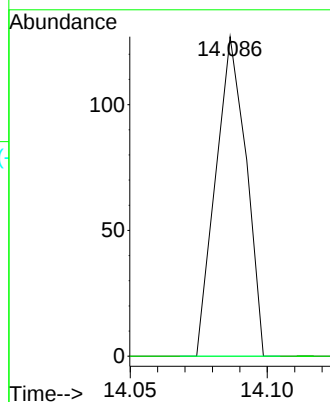
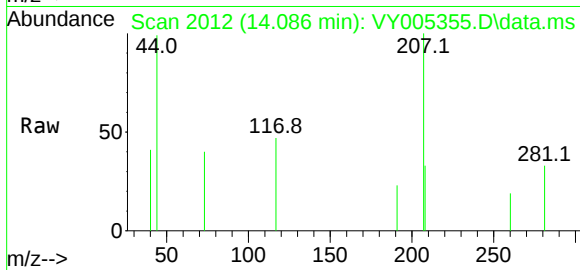




#90
Hexachloroethane
Concen: 1.615 ug/l
RT: 14.086 min Scan# 2012
Delta R.T. 0.122 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Instrument :
MSVOA_Y
ClientSampled :
4

Tgt Ion:117 Resp: 98
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#



#95
Naphthalene
Concen: 1.566 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005355.D
Acq: 02 Jul 2021 20:34

Tgt Ion:128 Resp: 332
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

