

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070721\
 Data File : VY005365.D
 Acq On : 07 Jul 2021 14:51
 Operator : SY/MD
 Sample : M2933-02
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 08 02:04:55 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)

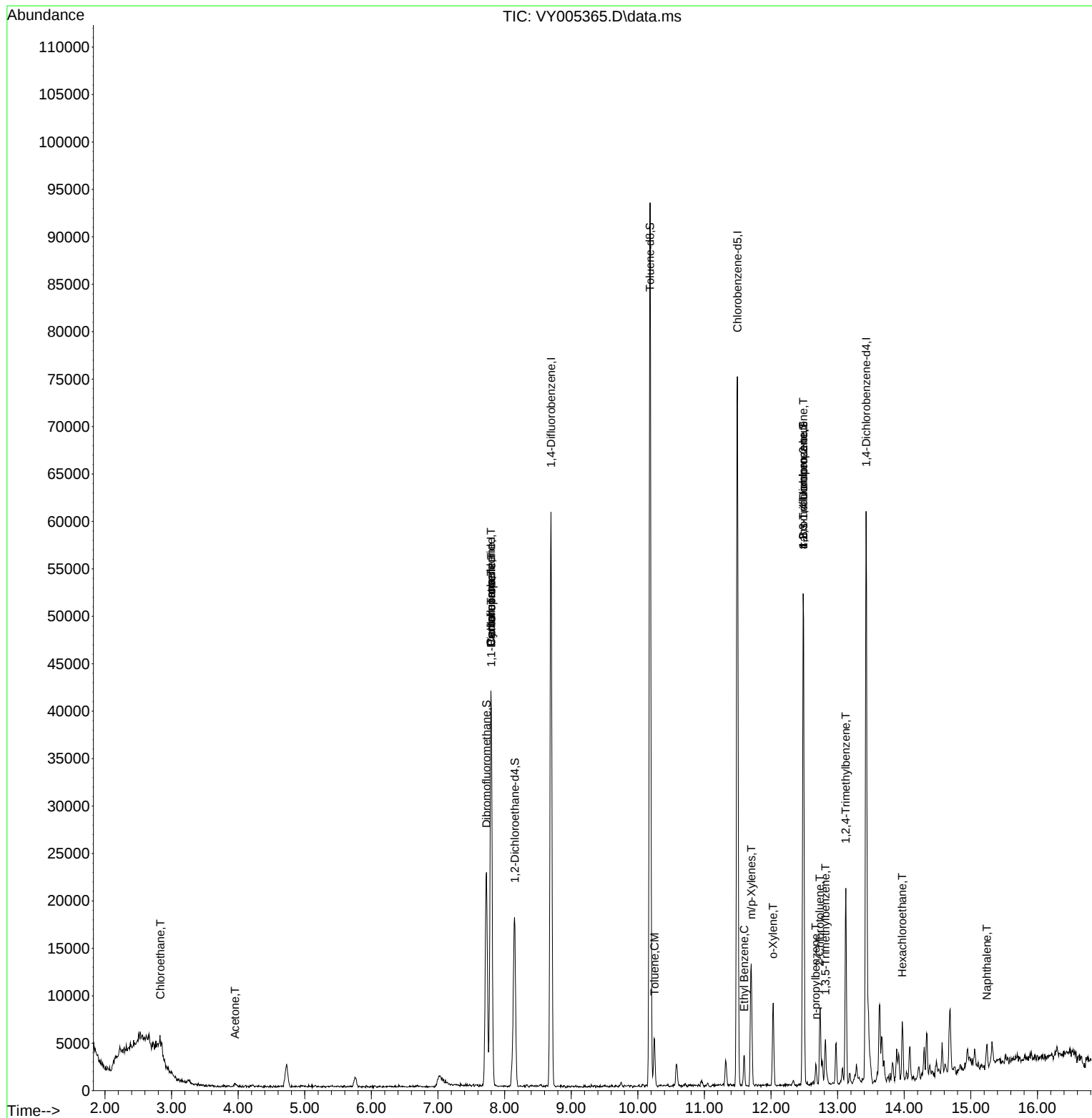
Internal Standards						
1) Pentafluorobenzene	7.795	168	35135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	52351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	42524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	13398	45.951	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.900%		
35) Dibromofluoromethane	7.728	113	15921	51.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.140%		
50) Toluene-d8	10.185	98	62045	50.251	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.500%		
62) 4-Bromofluorobenzene	12.483	95	14506	35.257	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	70.520%		
Target Compounds			Qvalue			
6) Chloroethane	2.832	64	514	2.234	ug/l #	42
11) Tert butyl alcohol	4.948	59	180	Below Cal	#	77
16) Acetone	3.954	43	522	7.750	ug/l	88
20) Methylene Chloride	4.722	84	1849	Below Cal	#	91
31) Cyclohexane	7.795	56	602	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	2556	5.545	ug/l #	43
38) Carbon Tetrachloride	7.795	117	2974	6.163	ug/l #	19
52) Toluene	10.252	92	2300	2.647	ug/l	99
67) Ethyl Benzene	11.599	91	2203	1.516	ug/l	99
68) m/p-Xylenes	11.703	106	4236	7.275	ug/l	95
69) o-Xylene	12.032	106	2275	4.126	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	7228	49.990	ug/l #	100
78) n-propylbenzene	12.672	91	1744	1.399	ug/l	96
79) 2-Chlorotoluene	12.733	91	738	1.049	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.818	105	2606	2.979	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	7228	93.270	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	10875	12.575	ug/l	94
90) Hexachloroethane	13.971	117	325	1.838	ug/l #	1
95) Naphthalene	15.239	128	2164	3.503	ug/l	97

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

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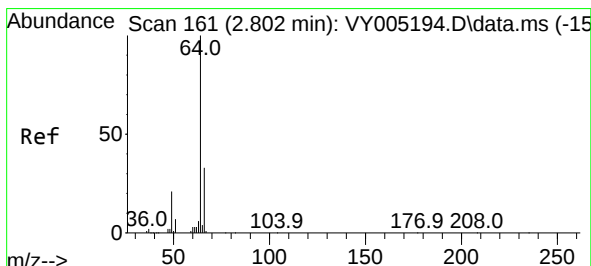
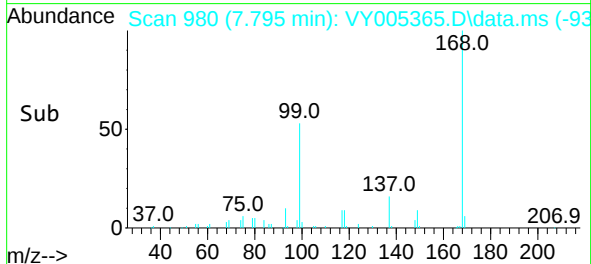
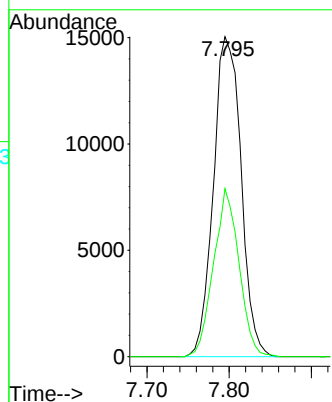
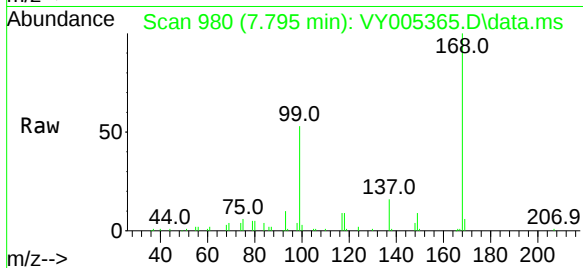




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

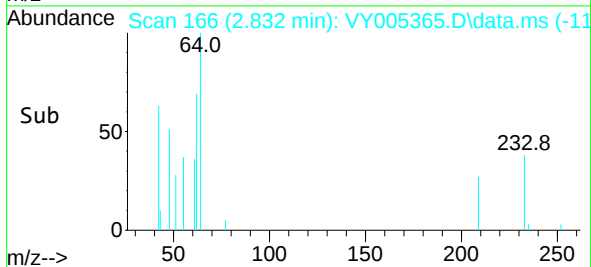
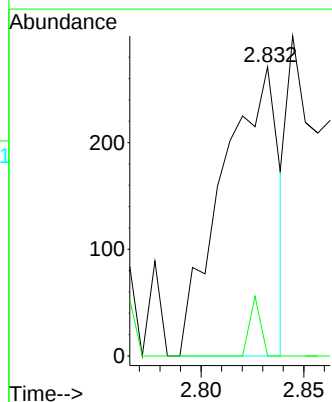
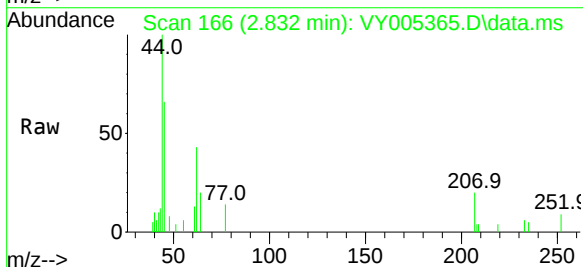
Instrument :
MSVOA_Y
ClientSampleId :

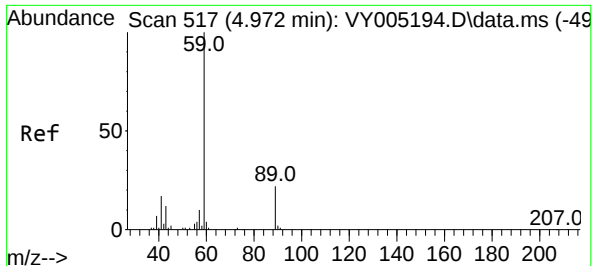
Tgt Ion:168 Resp: 35135
Ion Ratio Lower Upper
168 100
99 52.5 36.2 54.4



#6
Chloroethane
Concen: 2.234 ug/l
RT: 2.832 min Scan# 166
Delta R.T. 0.030 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

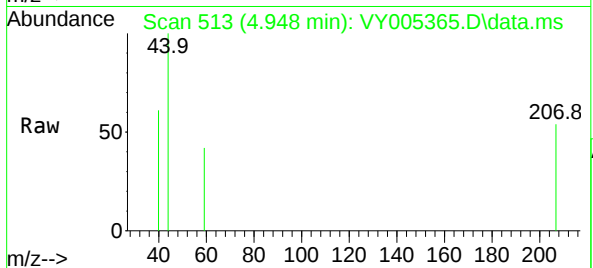




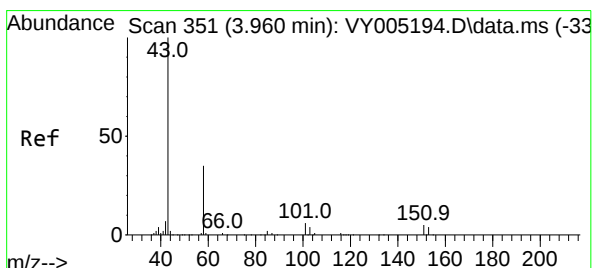
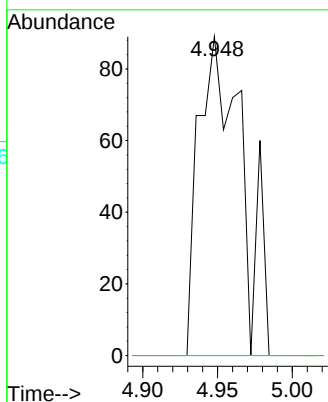
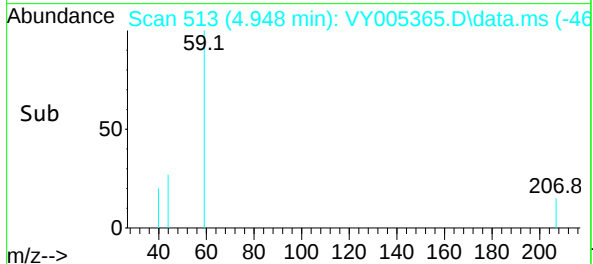
#11

Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Instrument :
MSVOA_Y
ClientSampled :

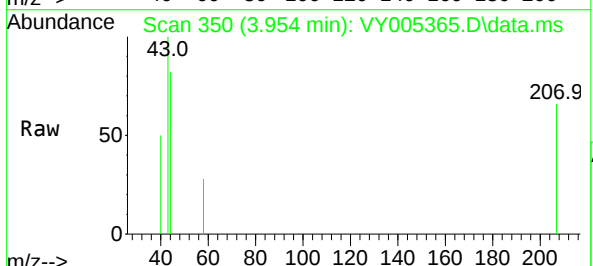


Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

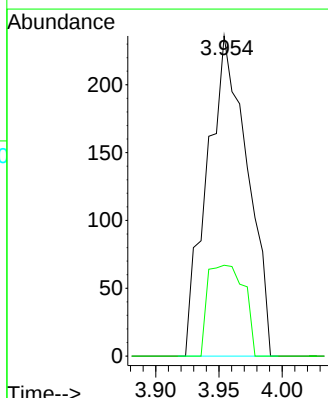
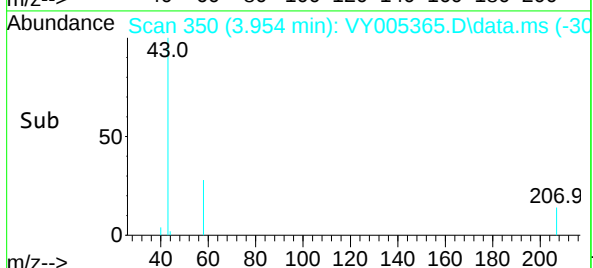


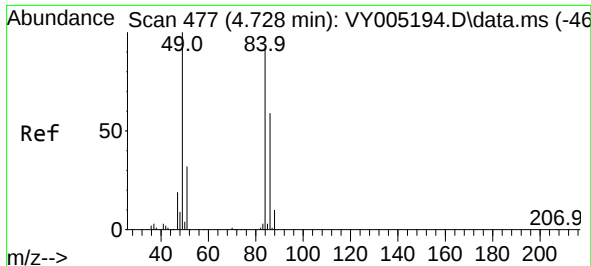
#16

Acetone
Concen: 7.750 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51



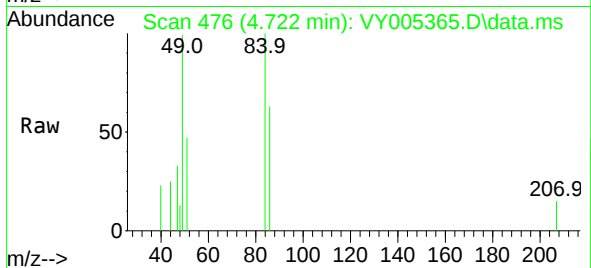
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 28.4 28.2 42.2





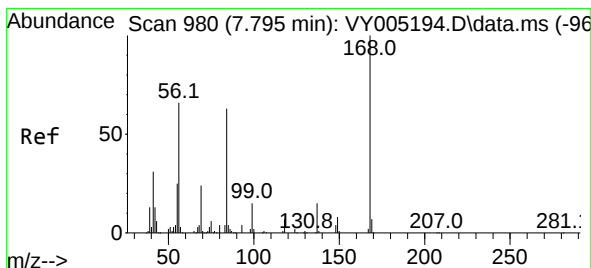
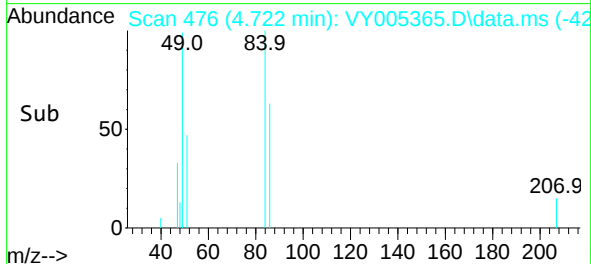
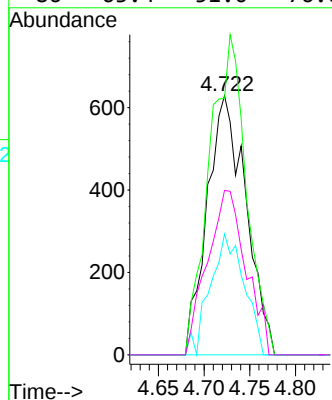
#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1849

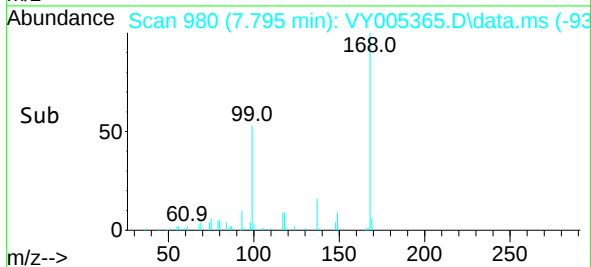
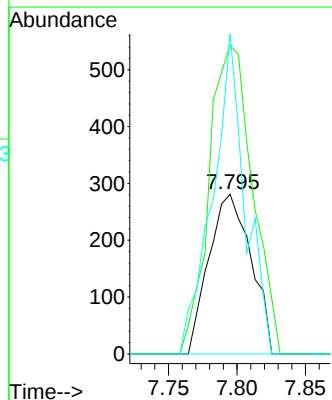
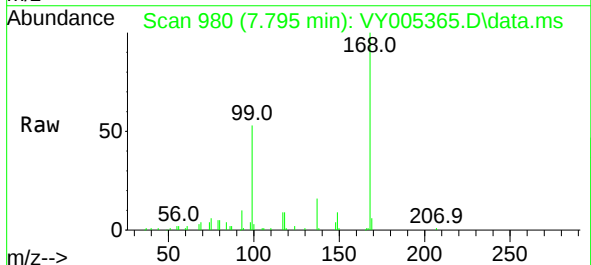
Ion	Ratio	Lower	Upper
84	100		
49	98.9	86.9	130.3
51	46.6	27.4	41.2#
86	63.4	51.0	76.6

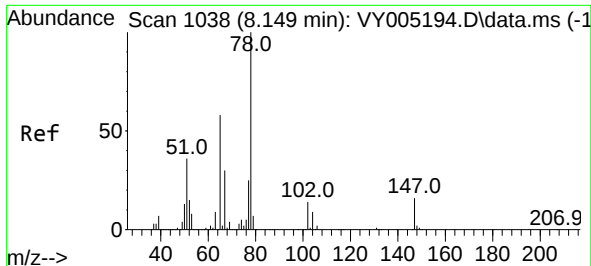


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 56 Resp: 602

Ion	Ratio	Lower	Upper
56	100		
69	193.2	29.6	44.4#
84	200.4	76.4	114.6#

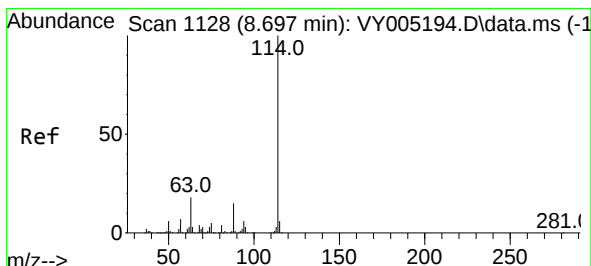
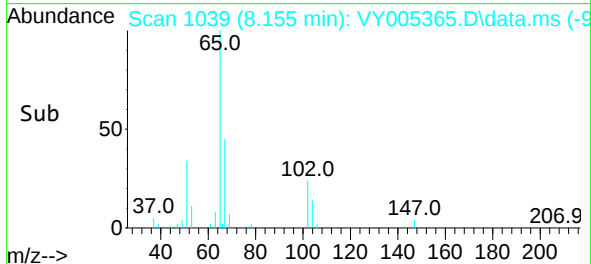
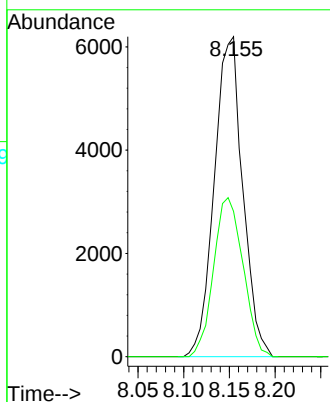
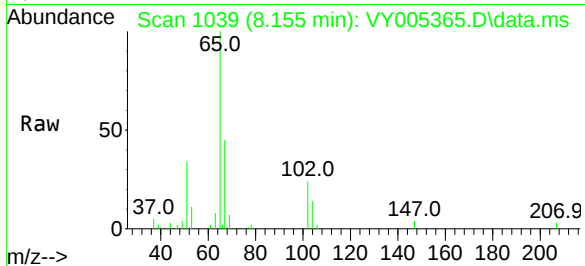




#33
1,2-Dichloroethane-d4
Concen: 45.951 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

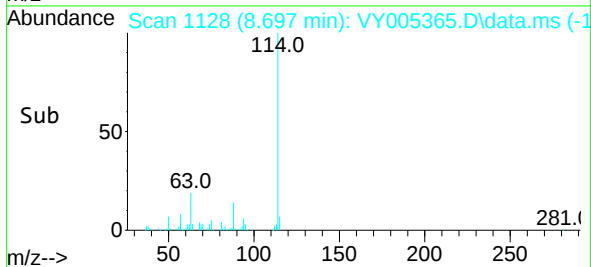
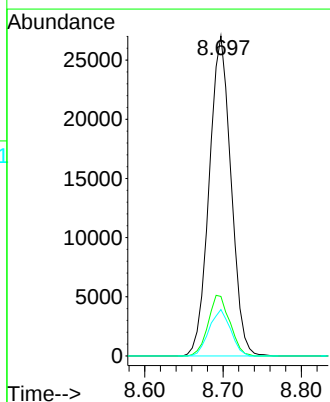
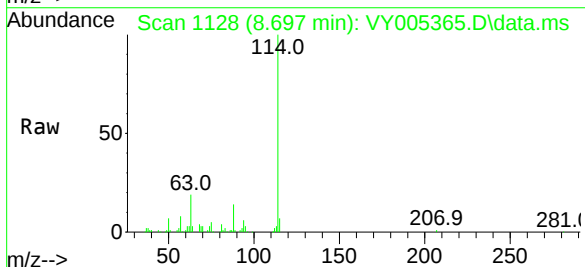
Instrument :
MSVOA_Y
ClientSampleId :

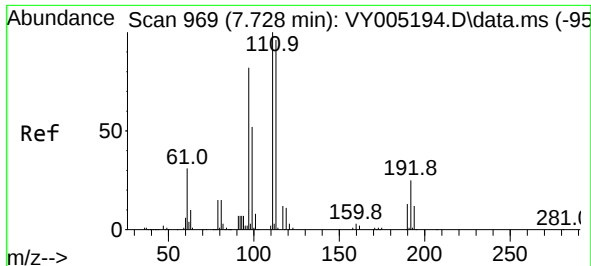
Tgt Ion: 65 Resp: 13398
Ion Ratio Lower Upper
65 100
67 51.5 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 114 Resp: 52351
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.2
88 14.5 0.0 29.4

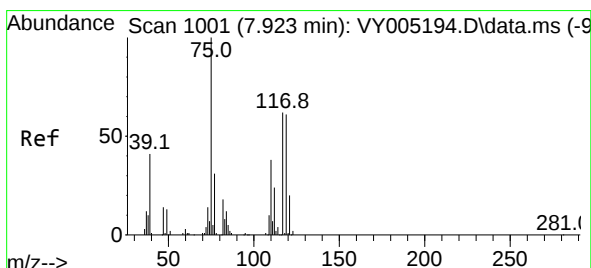
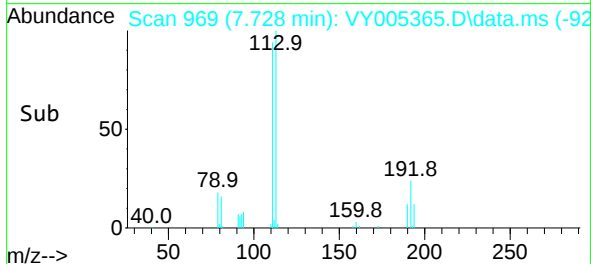
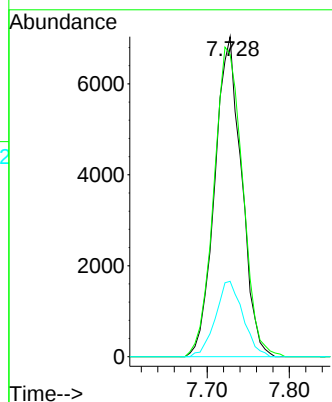
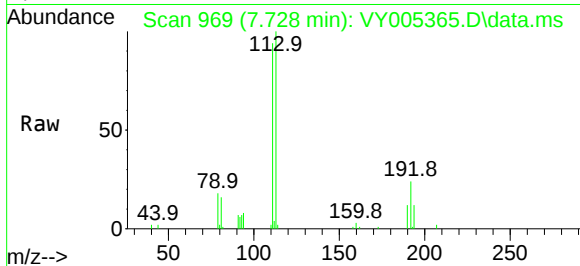




#35
Dibromofluoromethane
Concen: 51.567 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

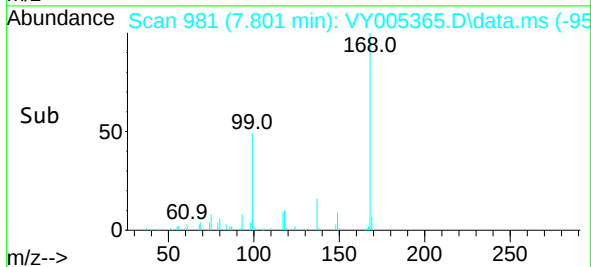
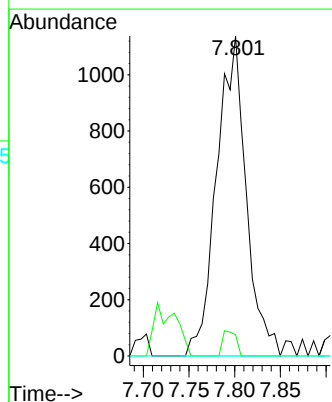
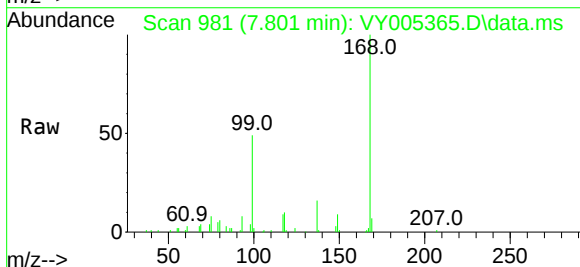
Instrument :
MSVOA_Y
ClientSampleId :

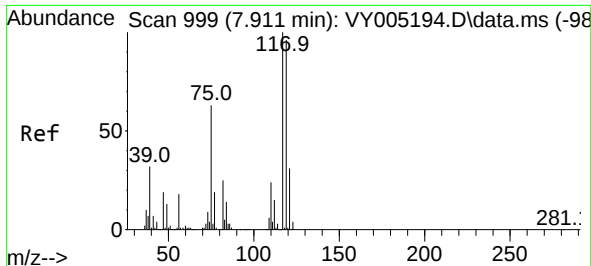
Tgt Ion:113 Resp: 15921
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 24.2 20.2 30.2



#36
1,1-Dichloropropene
Concen: 5.545 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

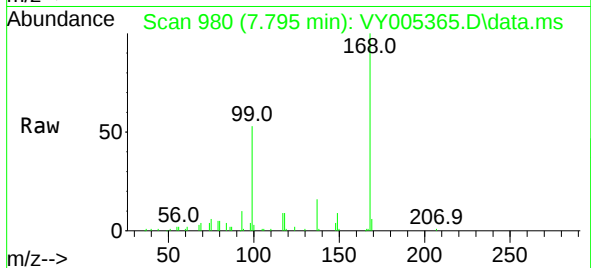
Tgt Ion: 75 Resp: 2556
Ion Ratio Lower Upper
75 100
110 3.6 19.1 57.5#
77 0.0 25.2 37.8#



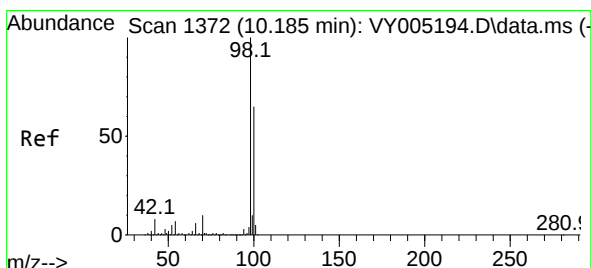
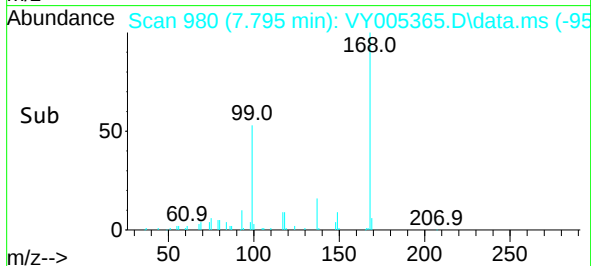
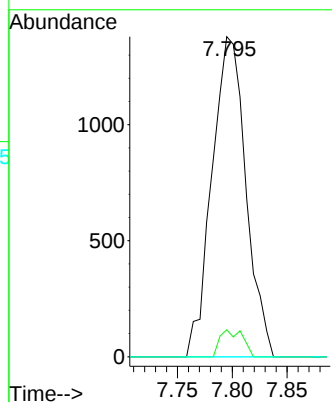


#38
Carbon Tetrachloride
Concen: 6.163 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Instrument :
MSVOA_Y
ClientSampleId :

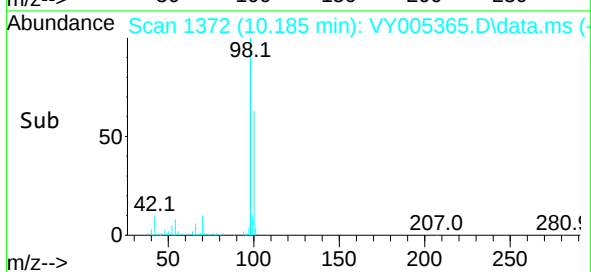
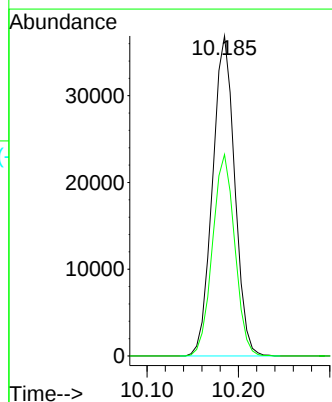
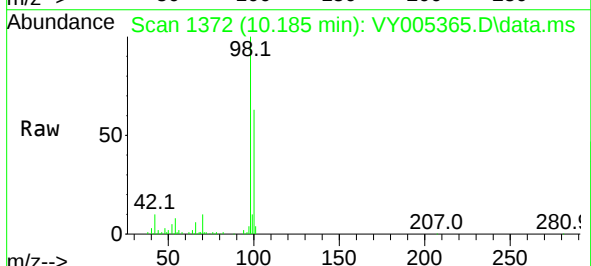


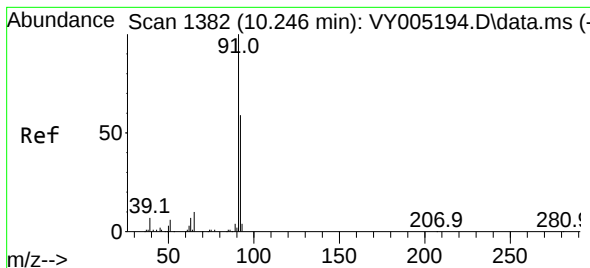
Tgt Ion:117 Resp: 2974
Ion Ratio Lower Upper
117 100
119 8.4 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.251 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 98 Resp: 62045
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

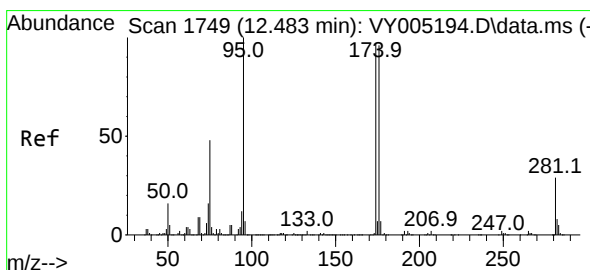
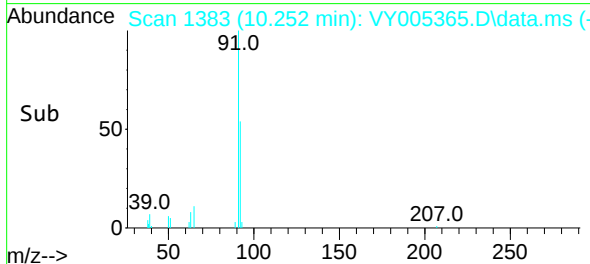
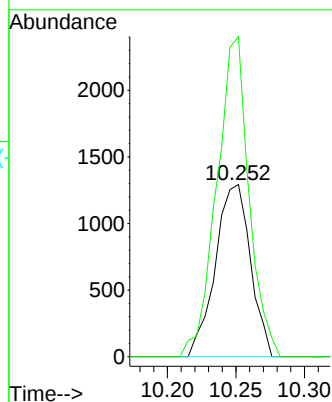
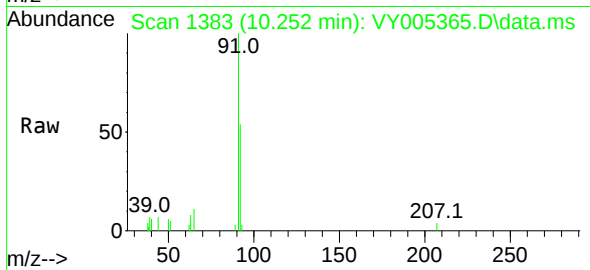




#52
Toluene
Concen: 2.647 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

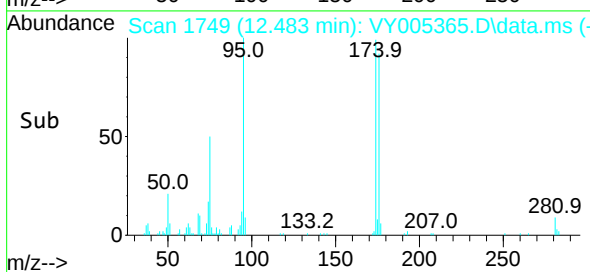
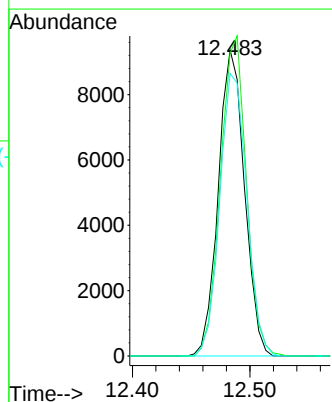
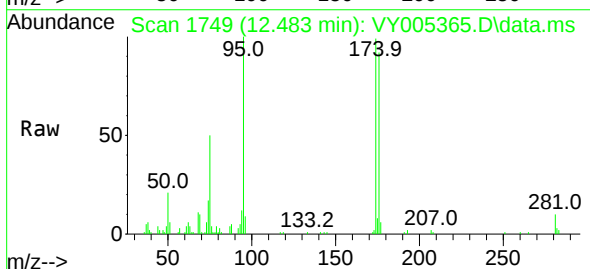
Instrument :
MSVOA_Y
ClientSampled :

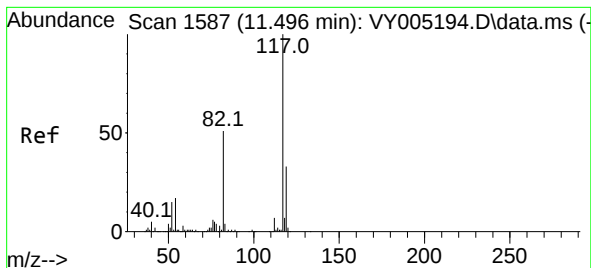
Tgt Ion: 92 Resp: 2300
Ion Ratio Lower Upper
92 100
91 170.9 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 35.257 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 95 Resp: 14506
Ion Ratio Lower Upper
95 100
174 103.2 0.0 201.6
176 95.4 0.0 197.4

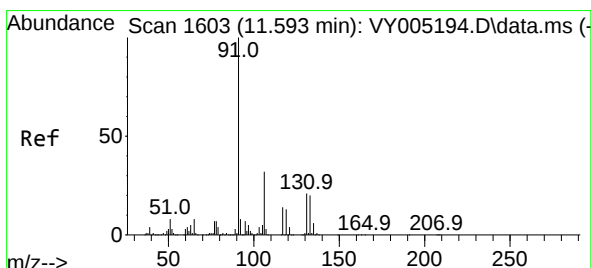
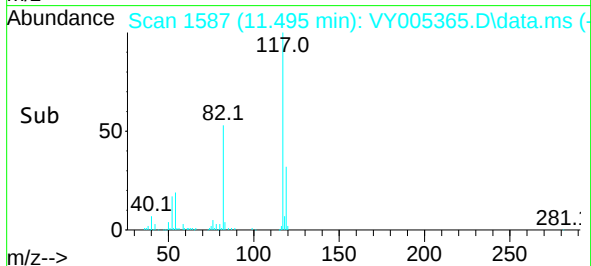
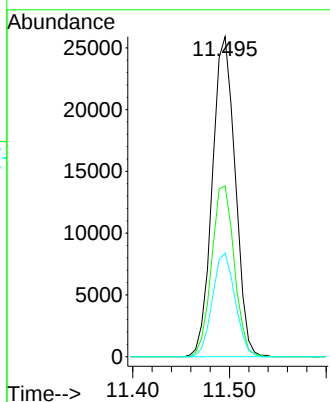
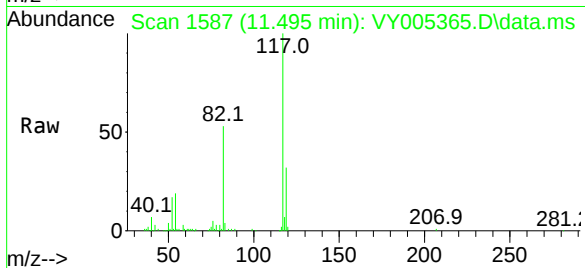




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

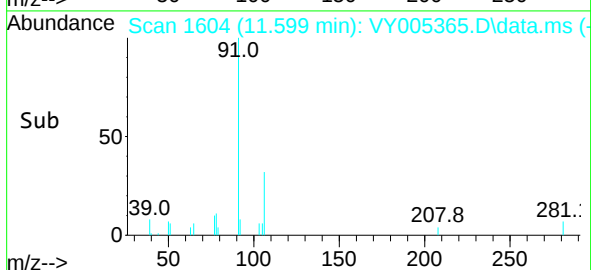
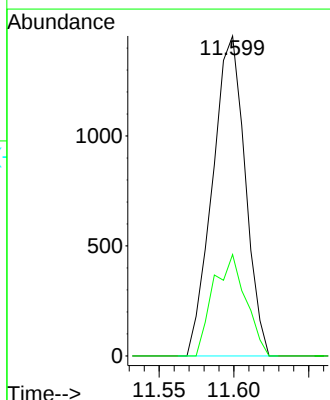
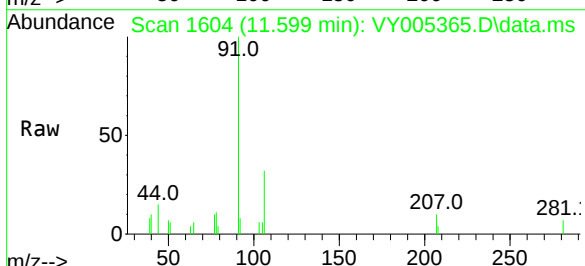
Instrument :
MSVOA_Y
ClientSampleId :

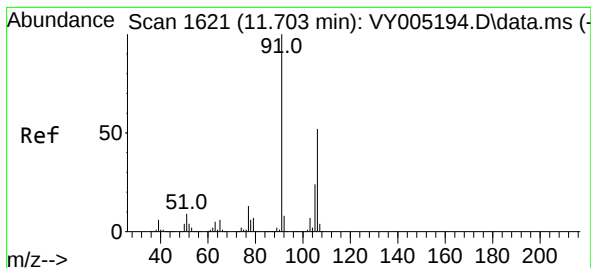
Tgt Ion:	117	Resp:	42524
Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.6	60.8
119	32.4	26.1	39.1



#67
Ethyl Benzene
Concen: 1.516 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion:	91	Resp:	2203
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.6

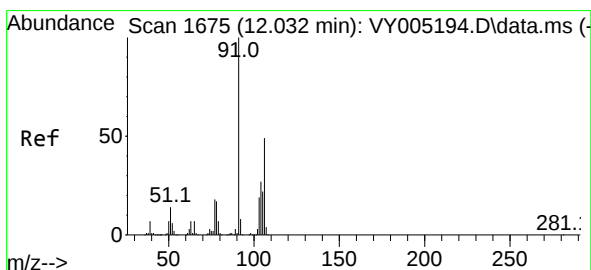
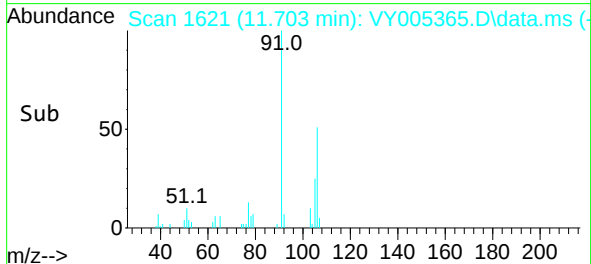
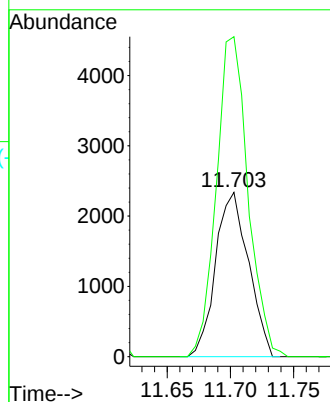
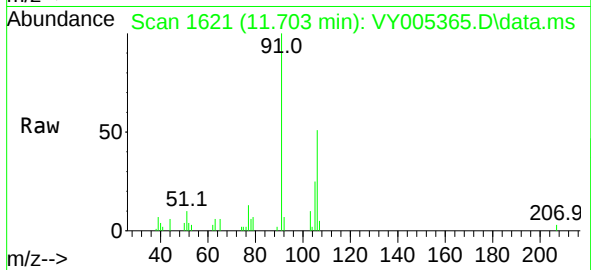




#68
m/p-Xylenes
Concen: 7.275 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

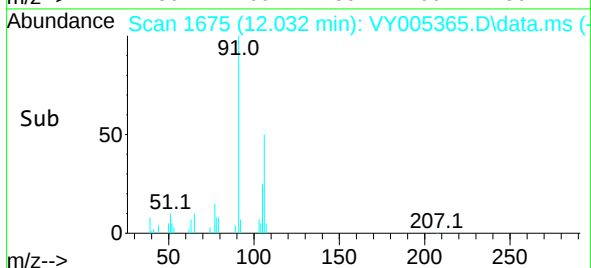
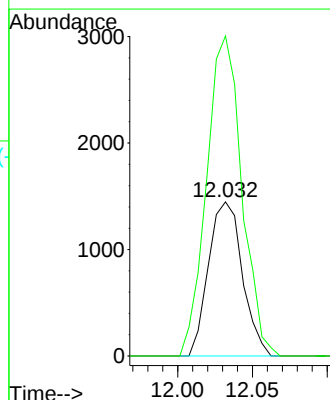
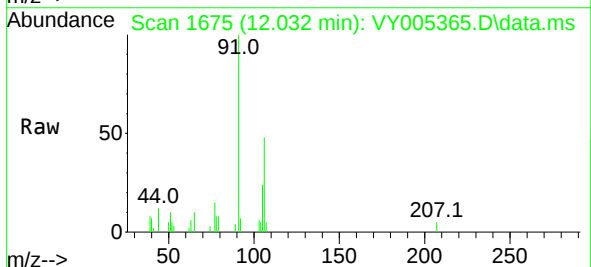
Instrument :
MSVOA_Y
ClientSampled :

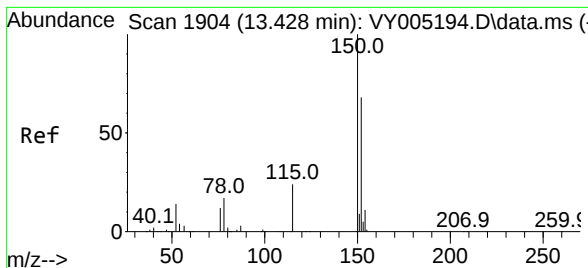
Tgt Ion:106 Resp: 4236
Ion Ratio Lower Upper
106 100
91 186.8 154.8 232.2



#69
o-Xylene
Concen: 4.126 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

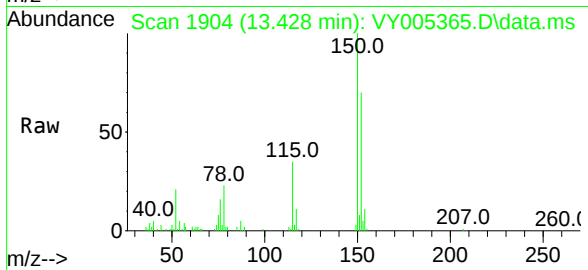
Tgt Ion:106 Resp: 2275
Ion Ratio Lower Upper
106 100
91 216.4 101.6 304.8



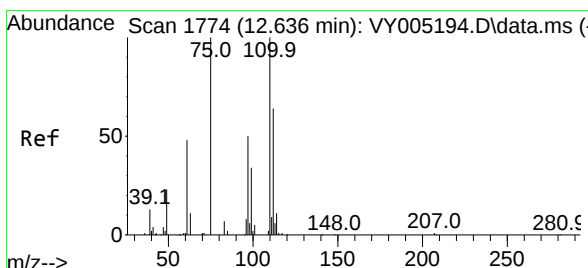
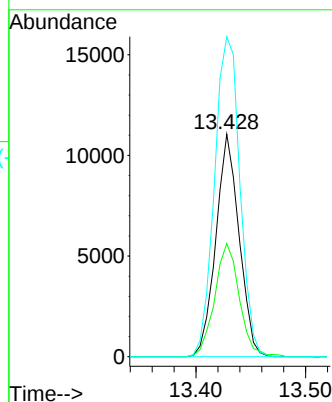
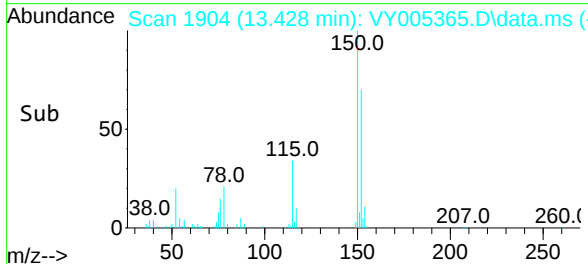


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005365.D
 Acq: 07 Jul 2021 14:51

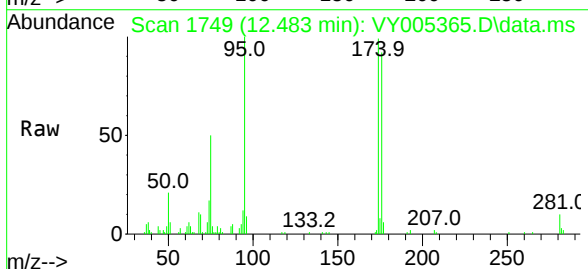
Instrument :
 MSVOA_Y
 ClientSampleId :



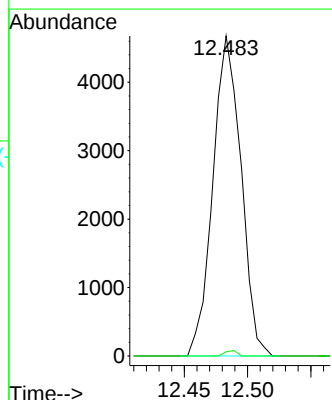
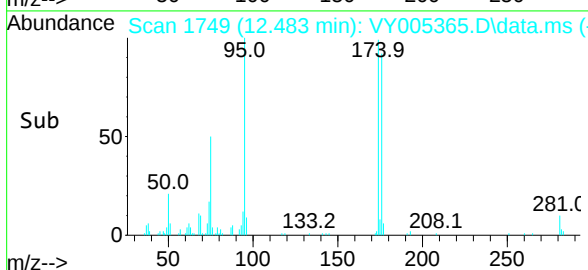
Tgt Ion:152 Resp: 16303
 Ion Ratio Lower Upper
 152 100
 115 53.9 26.3 78.8
 150 156.9 0.0 344.2

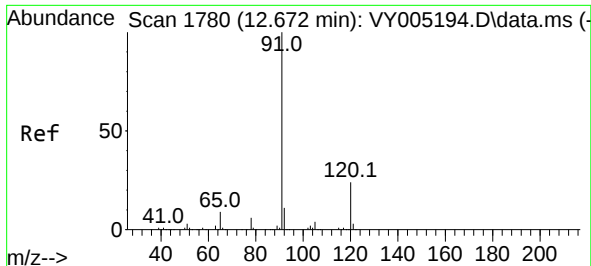


#76
 1,2,3-Trichloropropane
 Concen: 49.990 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005365.D
 Acq: 07 Jul 2021 14:51



Tgt Ion: 75 Resp: 7228
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#

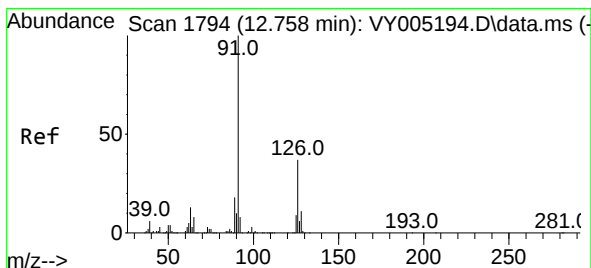
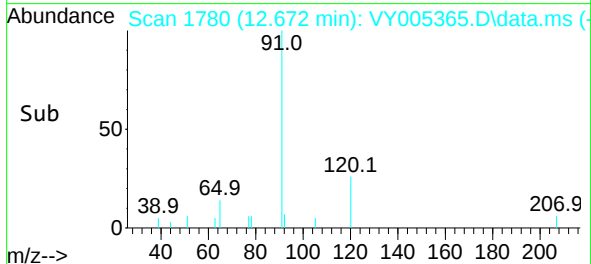
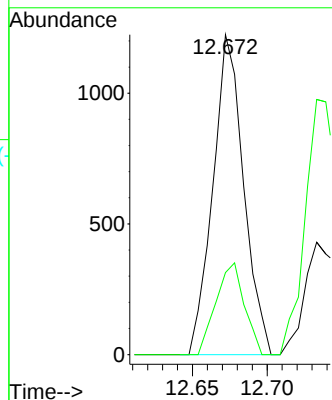
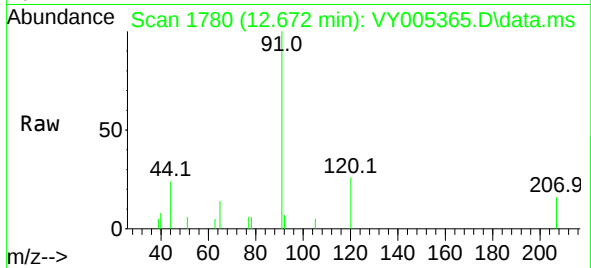




#78
n-propylbenzene
Concen: 1.399 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

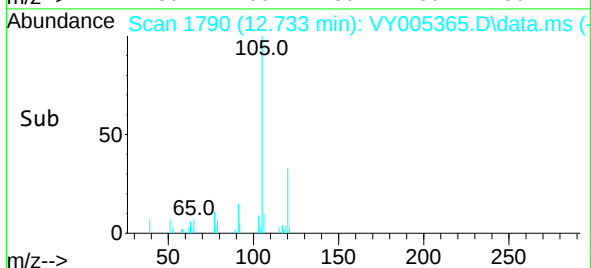
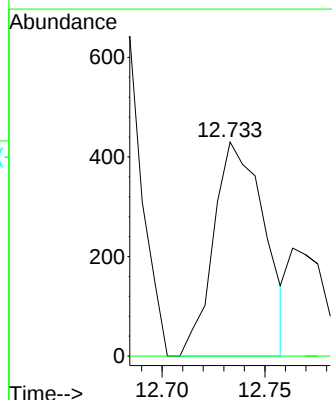
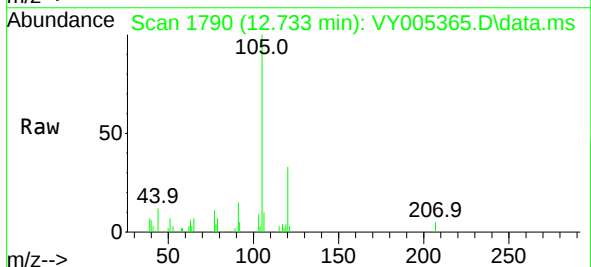
Instrument :
MSVOA_Y
ClientSampled :

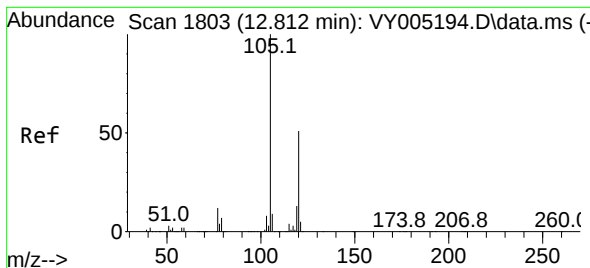
Tgt Ion: 91 Resp: 1744
Ion Ratio Lower Upper
91 100
120 26.5 12.4 37.0



#79
2-Chlorotoluene
Concen: 1.049 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.024 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 91 Resp: 738
Ion Ratio Lower Upper
91 100
126 0.0 18.6 55.6#

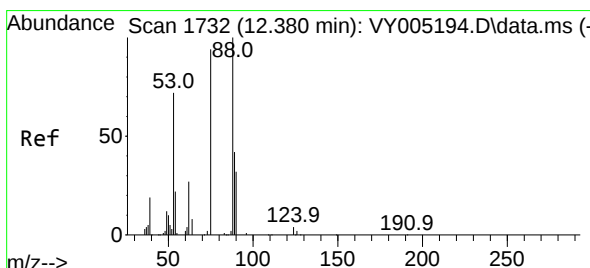
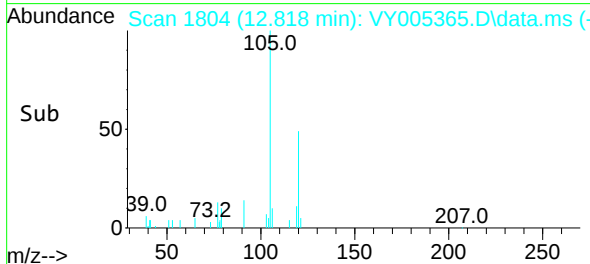
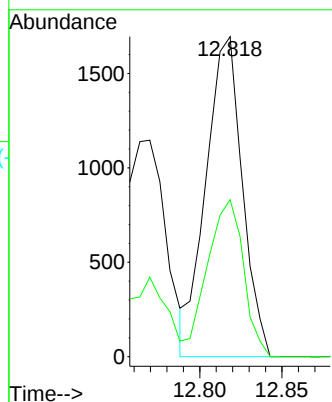
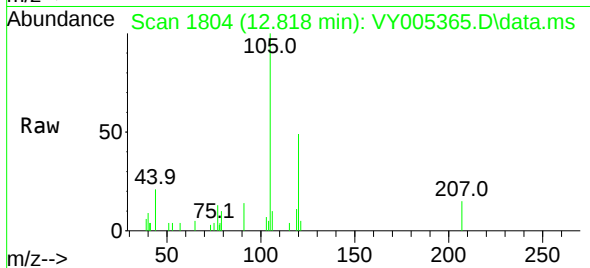




#80
1,3,5-Trimethylbenzene
Concen: 2.979 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

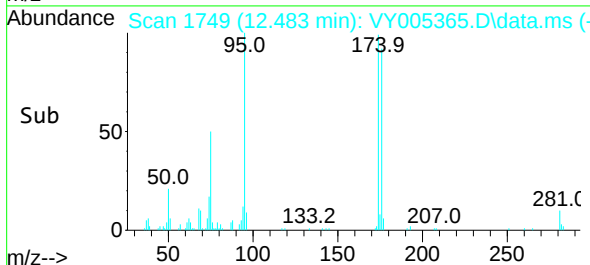
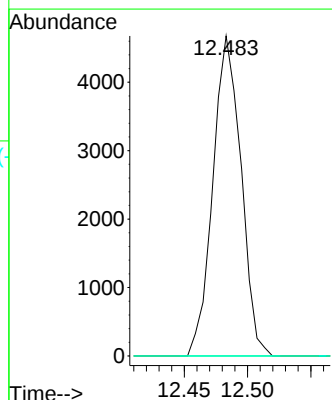
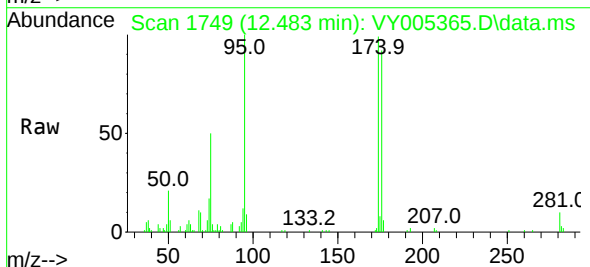
Instrument :
MSVOA_Y
ClientSampled :

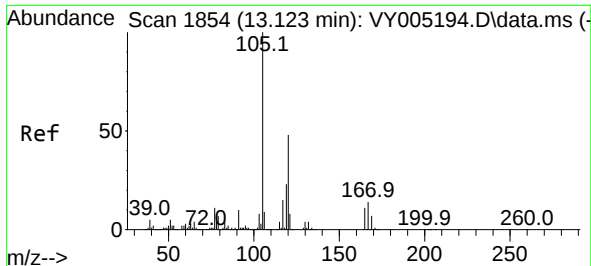
Tgt Ion:105 Resp: 2606
Ion Ratio Lower Upper
105 100
120 48.7 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 93.270 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion: 75 Resp: 7228
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#

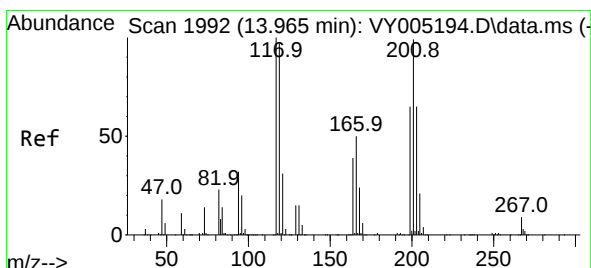
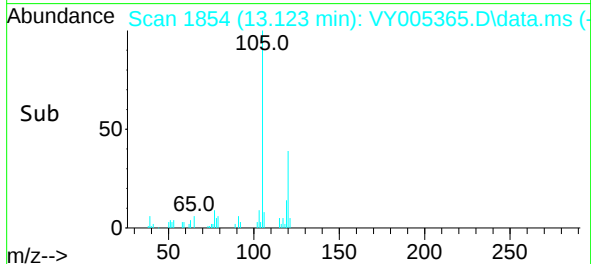
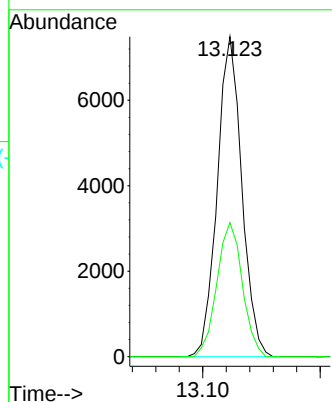
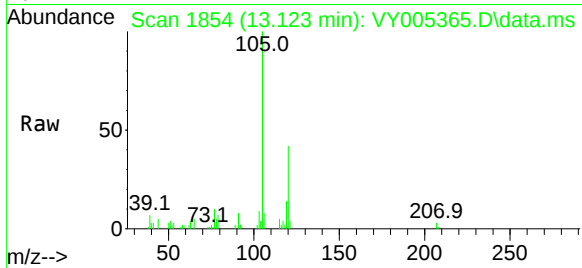




#84
1,2,4-Trimethylbenzene
Concen: 12.575 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

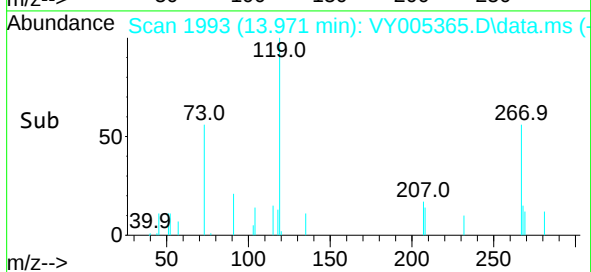
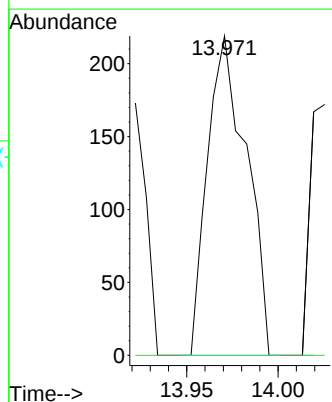
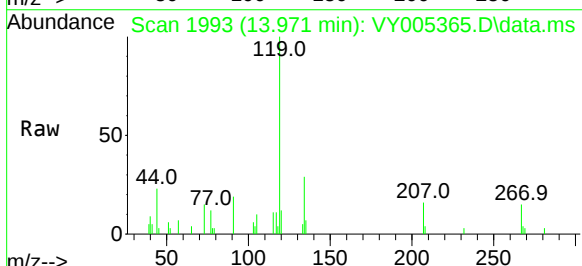
Instrument :
MSVOA_Y
ClientSampleId :

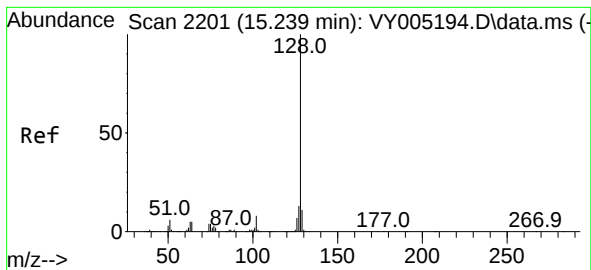
Tgt Ion:105 Resp: 10875
Ion Ratio Lower Upper
105 100
120 43.3 23.6 71.0



#90
Hexachloroethane
Concen: 1.838 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Tgt Ion:117 Resp: 325
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#





#95
Naphthalene
Concen: 3.503 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005365.D
Acq: 07 Jul 2021 14:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.2	15.4
129	10.9	8.7	13.1

