

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004435.D
 Acq On : 15 Apr 2021 12:38
 Operator : SY/MD
 Sample : M2034-02
 Misc : 6.87G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:03:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

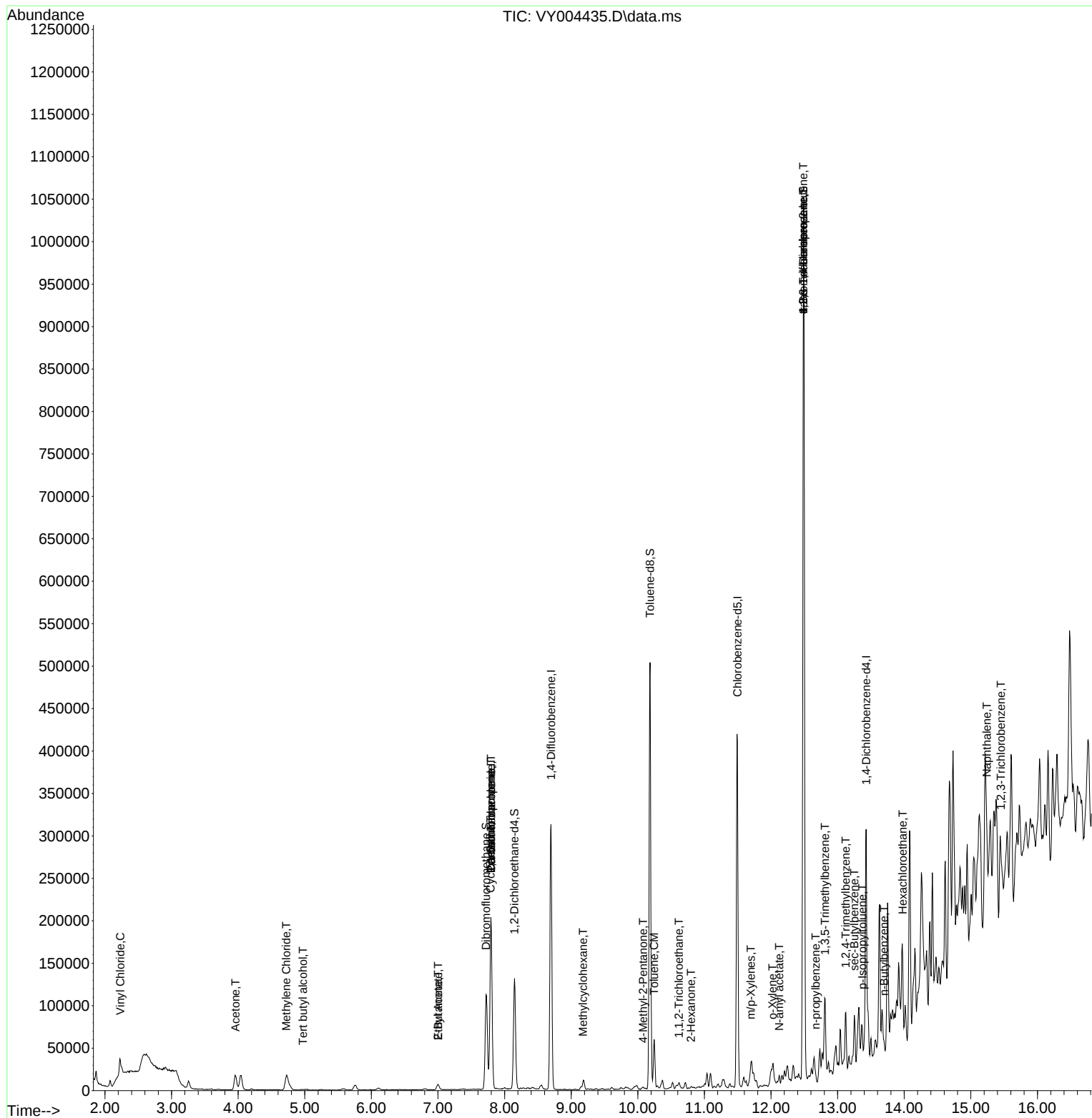
Internal Standards						
1) Pentafluorobenzene	7.795	168	151170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	261952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	216561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64545	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97383	57.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.96%			
35) Dibromofluoromethane	7.722	113	78609	54.07	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.14%			
50) Toluene-d8	10.185	98	308782	49.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.88%			
62) 4-Bromofluorobenzene	12.483	95	86249	41.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.20%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	10624	4.97	ug/l #	43
11) Tert butyl alcohol	4.972	59	1537	9.29	ug/l #	78
16) Acetone	3.960	43	31502	74.90	ug/l	94
20) Methylene Chloride	4.722	84	11804	7.28	ug/l	95
25) 2-Butanone	7.002	43	11503	17.98	ug/l	98
31) Cyclohexane	7.789	56	4849	1.57	ug/l #	32
36) 1,1-Dichloropropene	7.795	75	11863	4.56	ug/l #	50
37) Ethyl Acetate	7.002	43	11503	6.86	ug/l #	70
38) Carbon Tetrachloride	7.795	117	15251	6.78	ug/l #	19
39) Methylcyclohexane	9.179	83	4316	1.35	ug/l	100
51) 4-Methyl-2-Pentanone	10.081	43	1655	1.01	ug/l #	88
52) Toluene	10.246	92	23108	4.88	ug/l	100
55) 1,1,2-Trichloroethane	10.618	97	2416	1.71	ug/l #	23
59) 2-Hexanone	10.801	43	1344	1.23	ug/l #	27
68) m/p-Xylenes	11.697	106	6520	2.12	ug/l	98
69) o-Xylene	12.026	106	4738	1.65	ug/l	99
74) N-amyl acetate	12.123	43	3616	2.15	ug/l #	52
76) 1,2,3-Trichloropropane	12.483	75	53579	77.34	ug/l #	100
78) n-propylbenzene	12.672	91	6959	1.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	18196	4.49	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	53579	138.36	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.123	105	35512	8.68	ug/l	99
85) sec-Butylbenzene	13.251	105	35166	7.27	ug/l	97
86) p-Isopropyltoluene	13.373	119	12153	2.76	ug/l	97
89) n-Butylbenzene	13.696	91	4600	1.09	ug/l #	63
90) Hexachloroethane	13.977	117	2750	4.66	ug/l #	13
95) Naphthalene	15.239	128	73890	27.73	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.452	180	1640	1.52	ug/l #	12

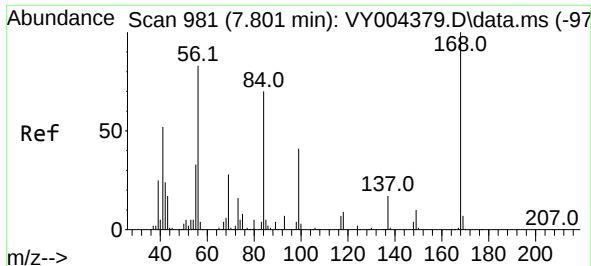
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Apr 16 05:03:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

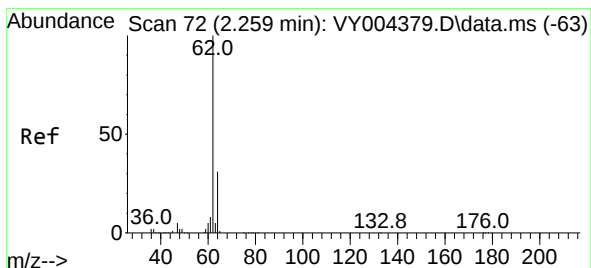
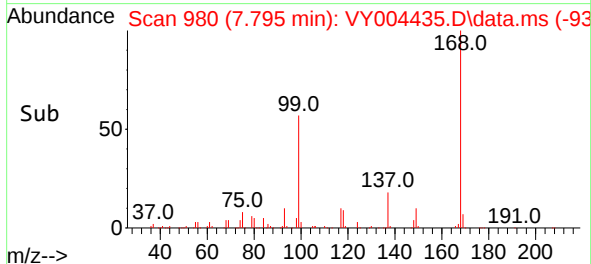
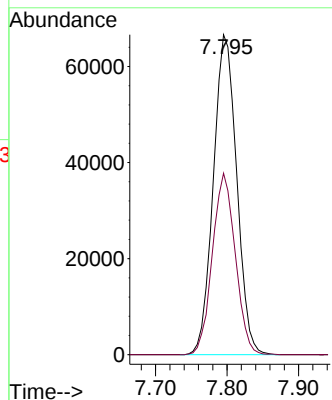
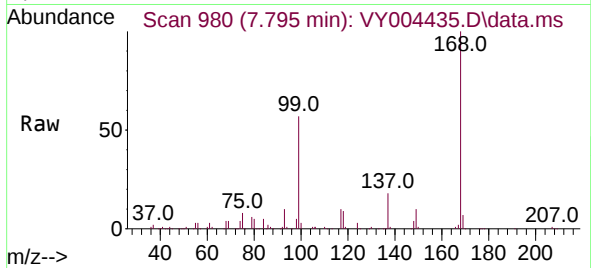




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

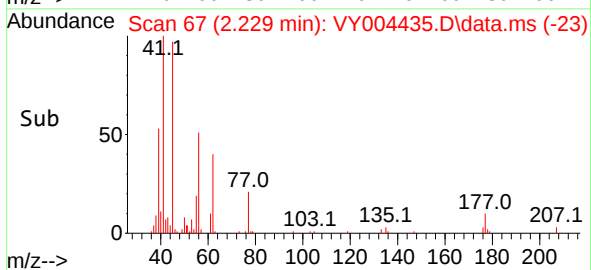
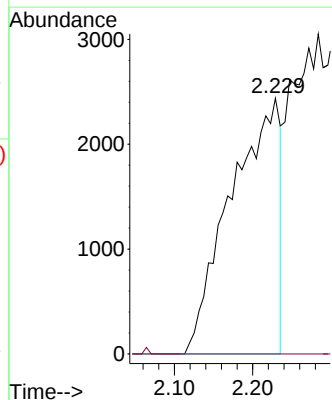
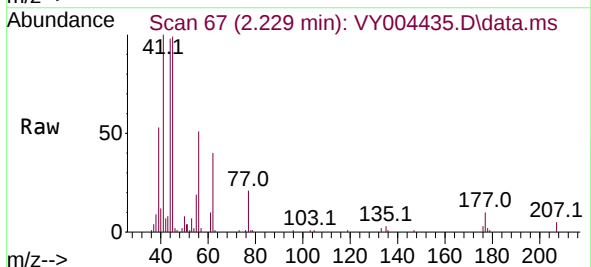
Instrument :
MSVOA_Y
ClientSampleId :

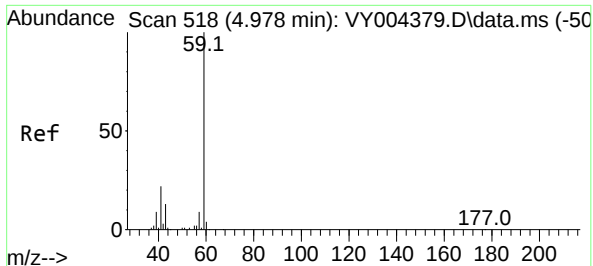
Tgt Ion:168 Resp: 151170
Ion Ratio Lower Upper
168 100
99 56.7 45.5 68.3



#4
Vinyl Chloride
Concen: 4.97 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.030 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 62 Resp: 10624
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



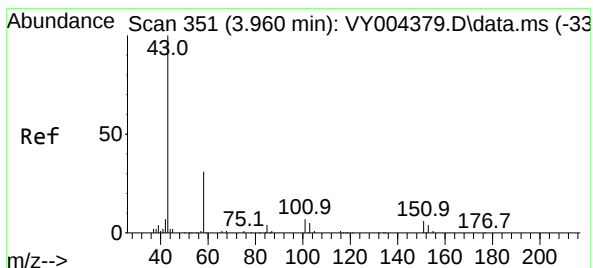
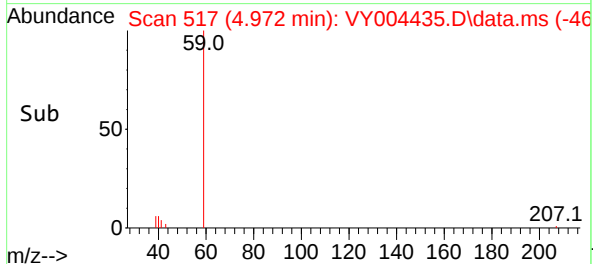
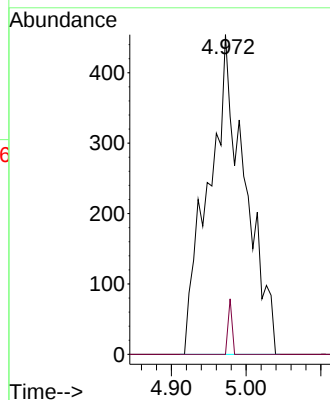
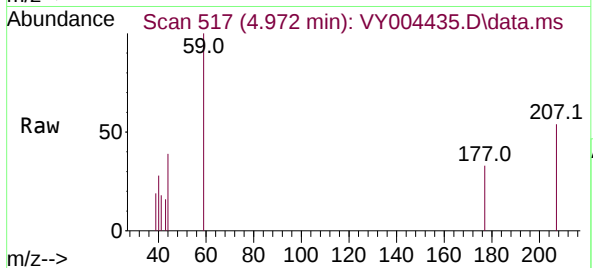


#11

Tert butyl alcohol
Concen: 9.29 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

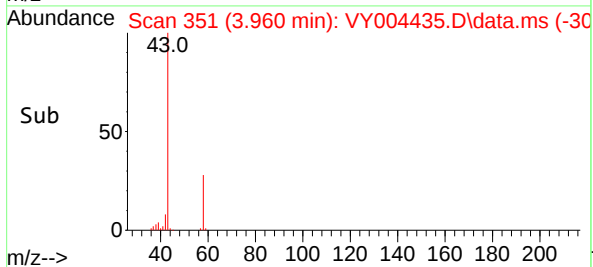
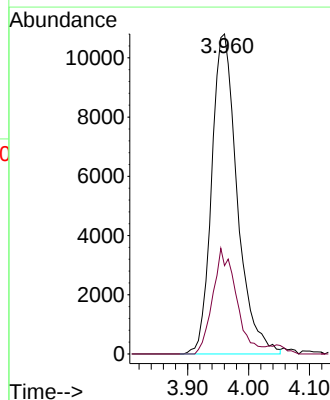
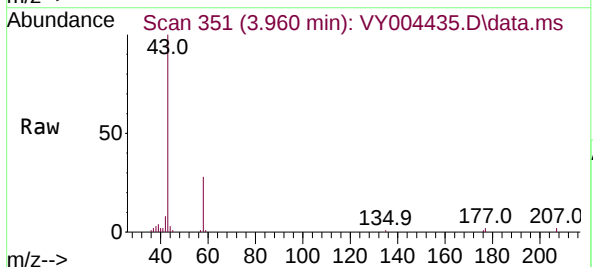
Tgt Ion: 59 Resp: 1537
Ion Ratio Lower Upper
59 100
57 1.9 8.1 12.1#

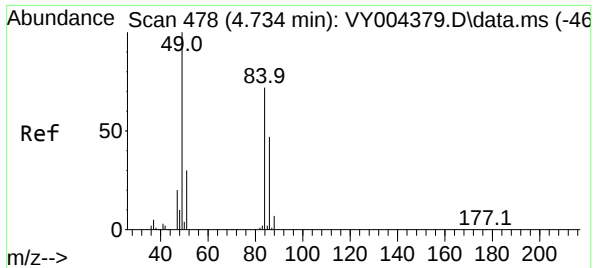


#16

Acetone
Concen: 74.90 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

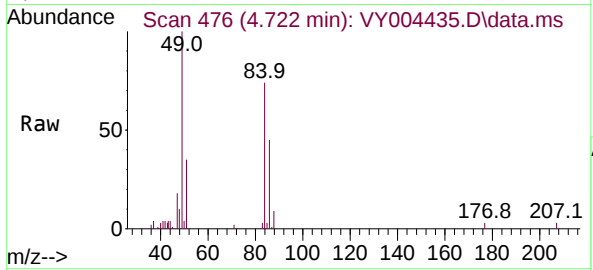
Tgt Ion: 43 Resp: 31502
Ion Ratio Lower Upper
43 100
58 27.6 24.6 37.0



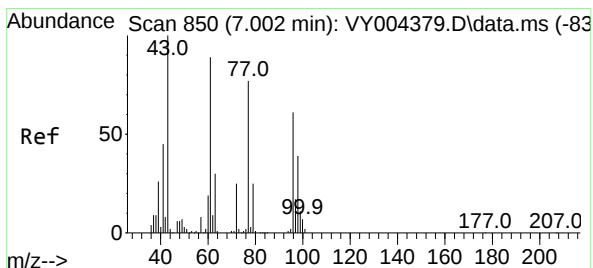
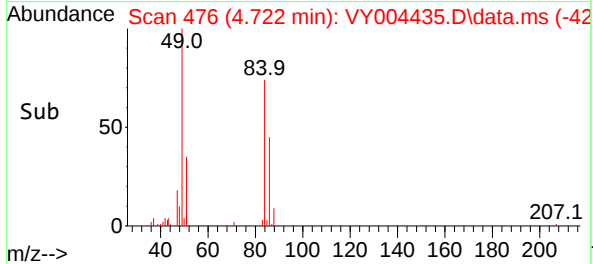
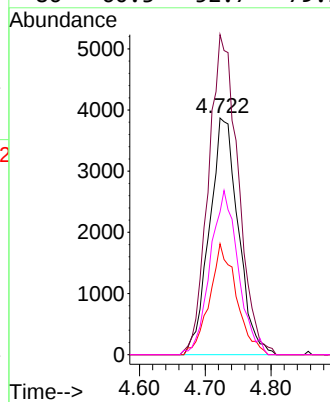


#20
Methylene Chloride
Concen: 7.28 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

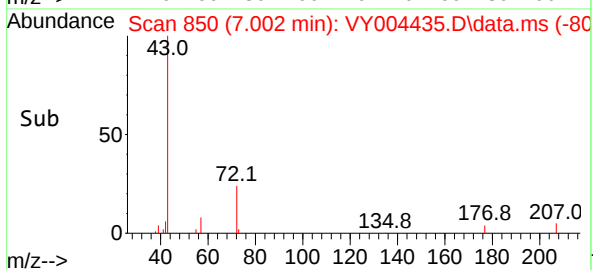
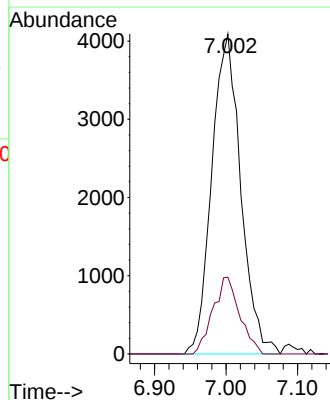
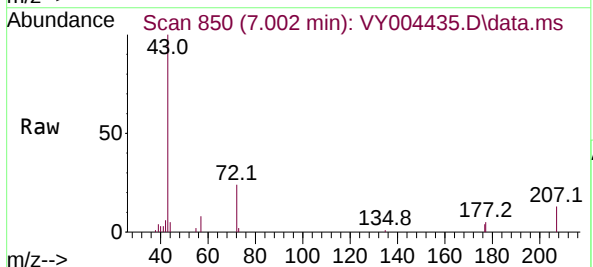


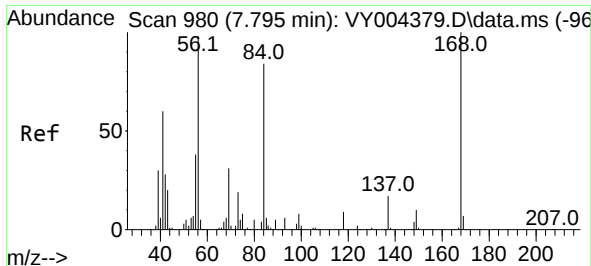
Tgt Ion:	84	Resp:	11804
Ion	Ratio	Lower	Upper
84	100		
49	135.2	111.2	166.8
51	46.9	33.4	50.2
86	60.3	52.7	79.1



#25
2-Butanone
Concen: 17.98 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

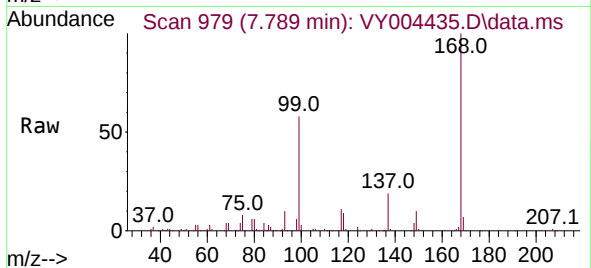
Tgt Ion:	43	Resp:	11503
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.2	30.2



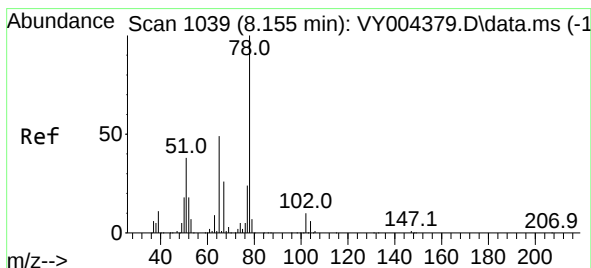
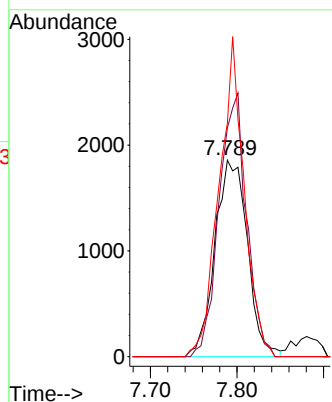
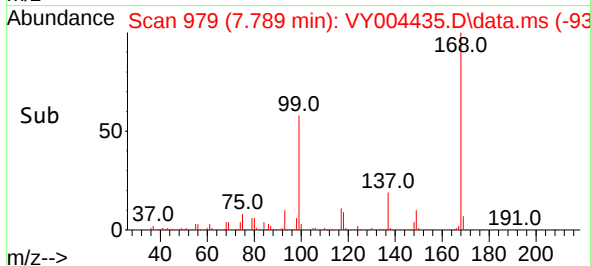


#31
Cyclohexane
Concen: 1.57 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

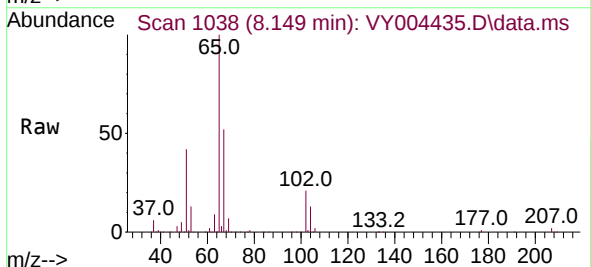
Instrument :
MSVOA_Y
ClientSampled :



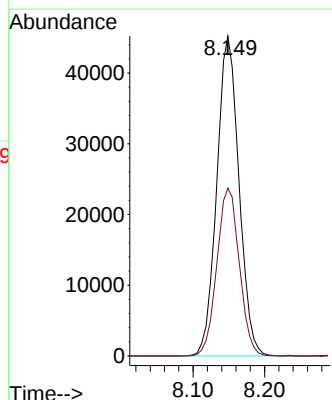
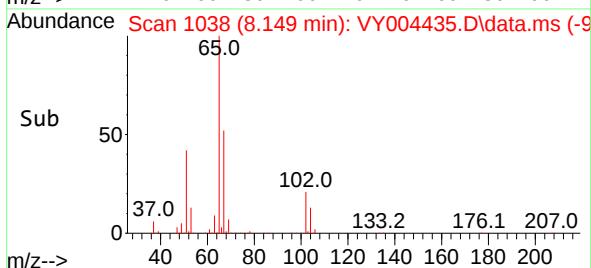
Tgt Ion: 56 Resp: 4849
Ion Ratio Lower Upper
56 100
69 116.4 25.8 38.6#
84 118.9 68.2 102.4#

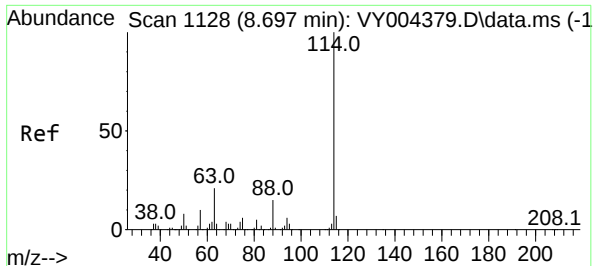


#33
1,2-Dichloroethane-d4
Concen: 57.98 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38



Tgt Ion: 65 Resp: 97383
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

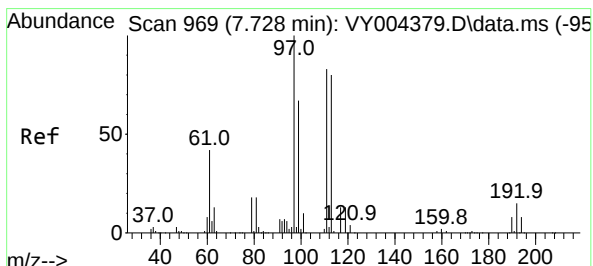
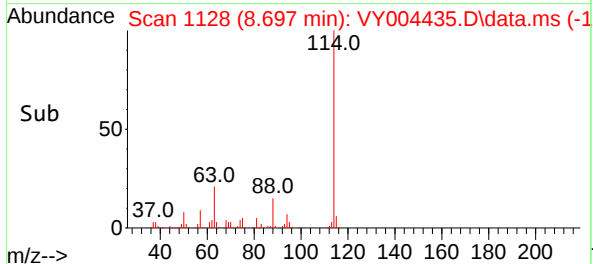
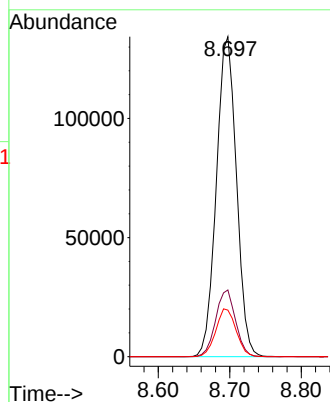
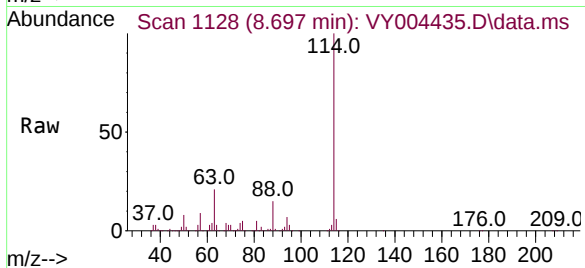
Delta R.T. 0.000 min

Lab File: VY004435.D

Acq: 15 Apr 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:114	Resp:	261952
Ion Ratio	Lower	Upper
114	100	
63	20.9	0.0 42.4
88	14.6	0.0 30.8



#35

Dibromofluoromethane

Concen: 54.07 ug/l

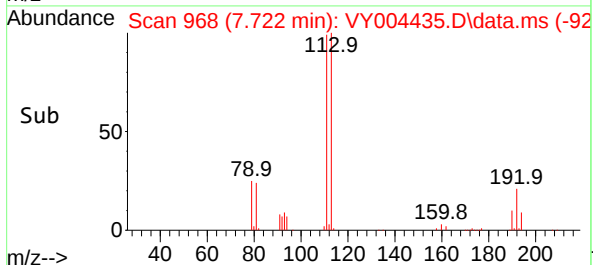
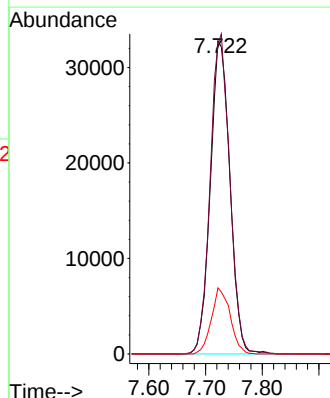
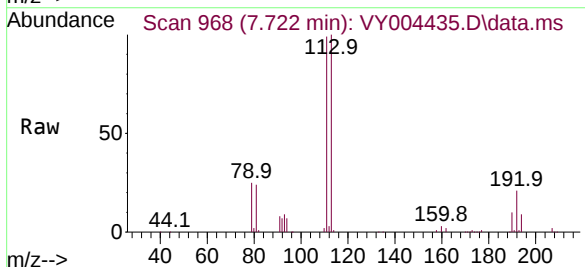
RT: 7.722 min Scan# 968

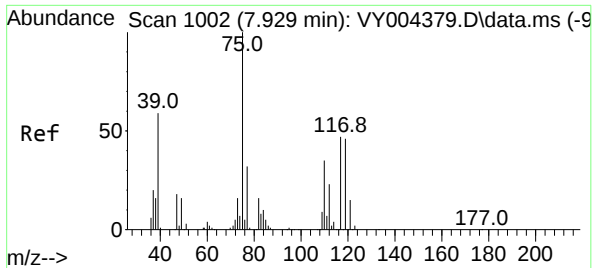
Delta R.T. -0.006 min

Lab File: VY004435.D

Acq: 15 Apr 2021 12:38

Tgt Ion:113	Resp:	78609
Ion Ratio	Lower	Upper
113	100	
111	102.4	82.6 123.8
192	20.3	16.1 24.1

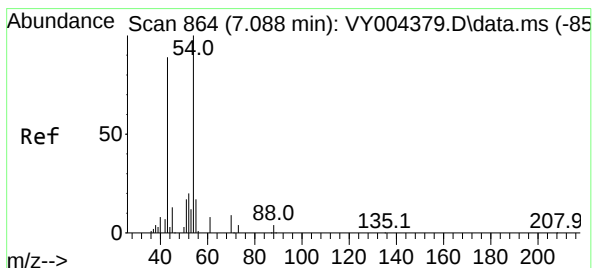
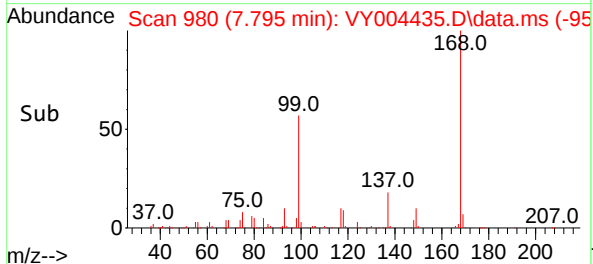
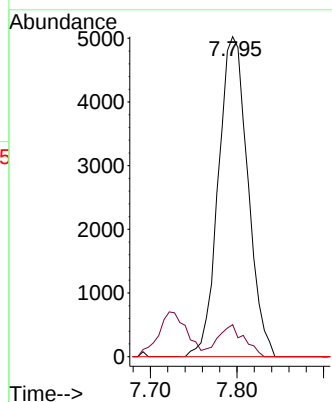
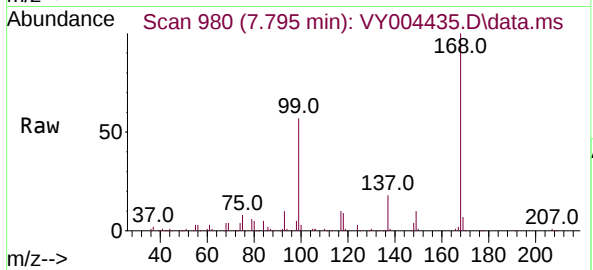




#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

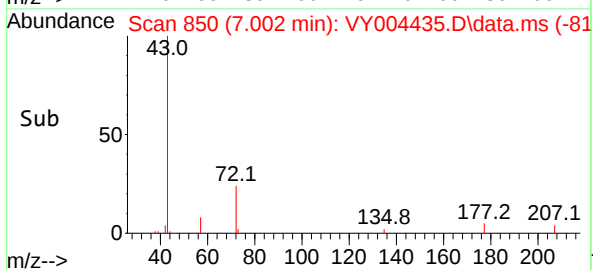
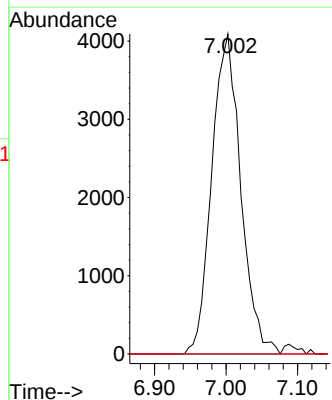
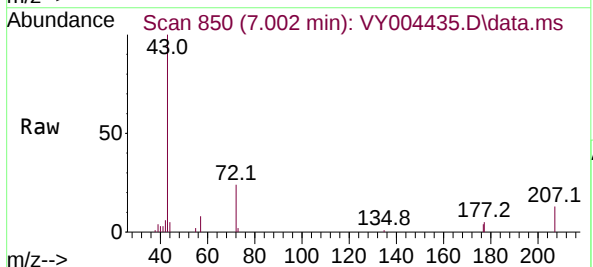
Instrument :
MSVOA_Y
ClientSampled :

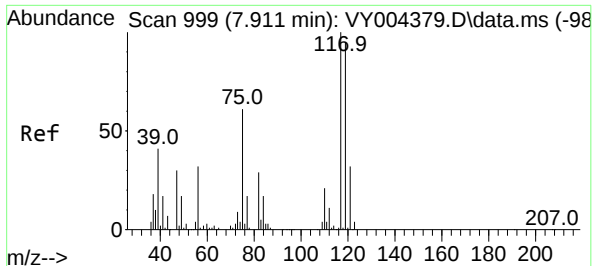
Tgt Ion: 75 Resp: 11863
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 6.86 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

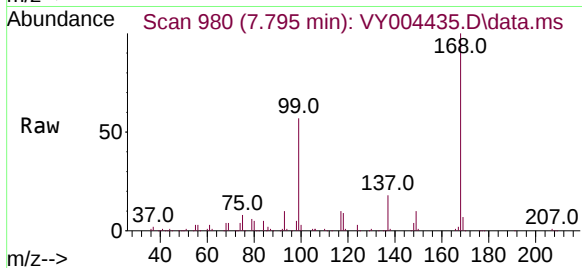
Tgt Ion: 43 Resp: 11503
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.5 11.3#



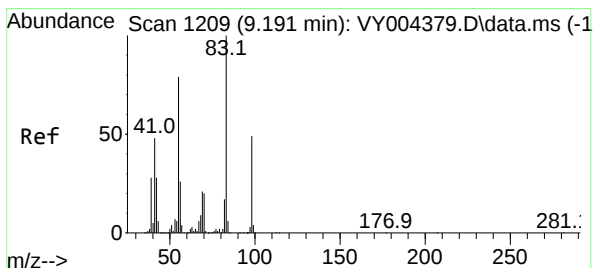
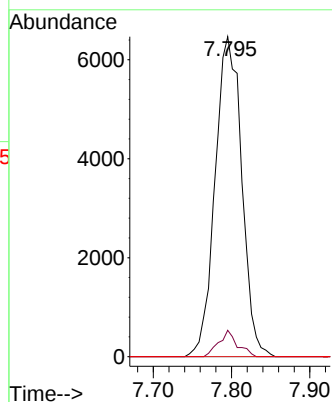
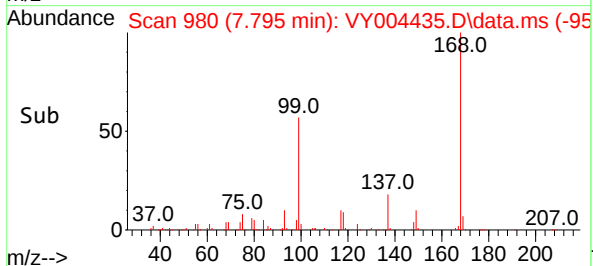


#38
Carbon Tetrachloride
Concen: 6.78 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

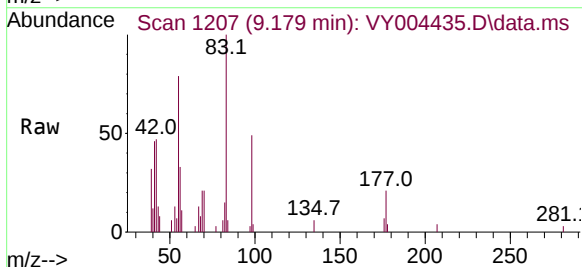
Instrument :
MSVOA_Y
ClientSampleId :



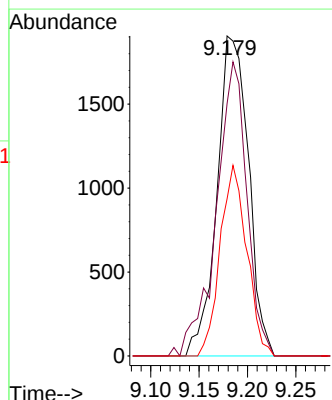
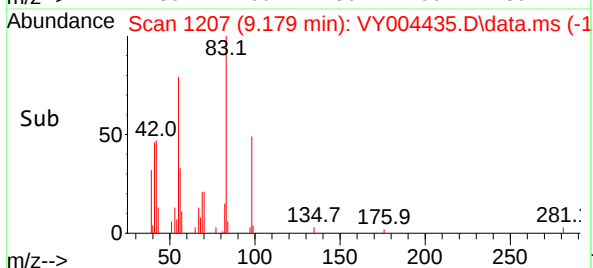
Tgt Ion: 117 Resp: 15251
Ion Ratio Lower Upper
117 100
119 8.3 75.8 113.8#
121 0.0 25.3 37.9#

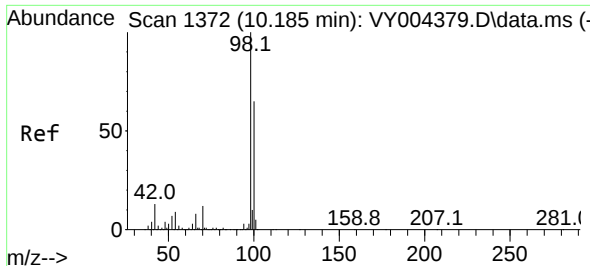


#39
Methylcyclohexane
Concen: 1.35 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38



Tgt Ion: 83 Resp: 4316
Ion Ratio Lower Upper
83 100
55 78.9 63.0 94.4
98 49.1 39.2 58.8

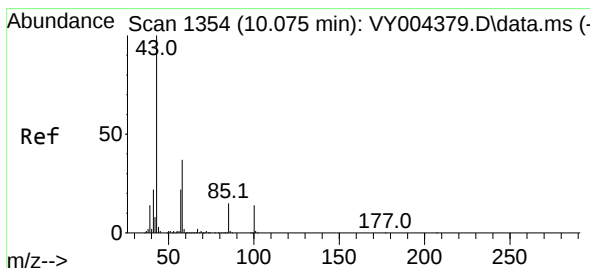
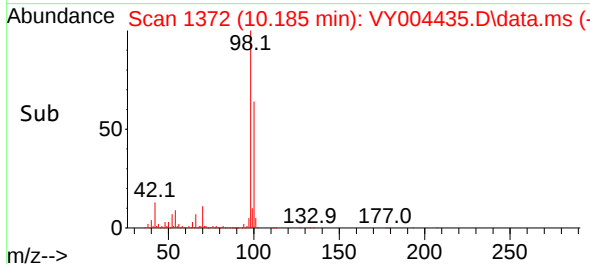
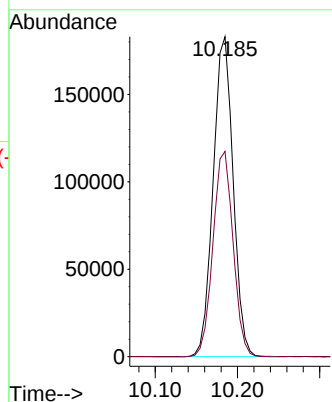
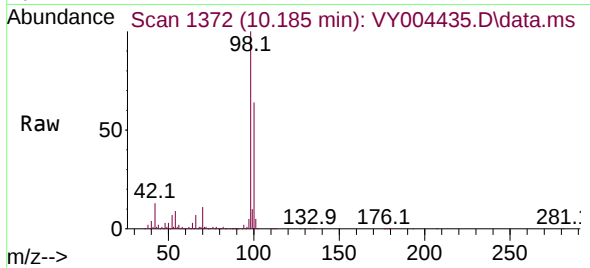




#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

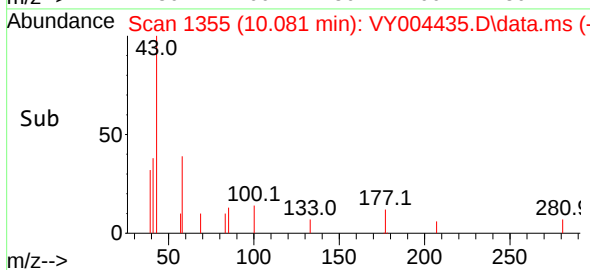
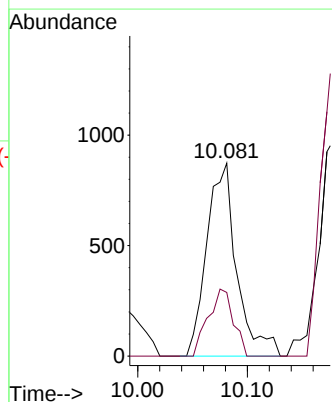
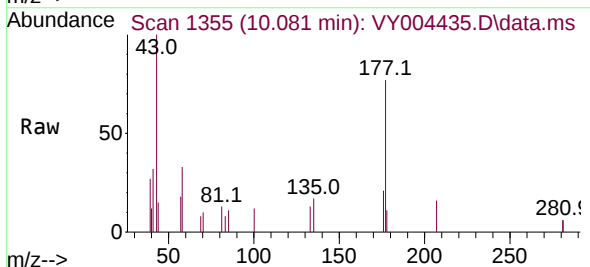
Instrument :
MSVOA_Y
ClientSampled :

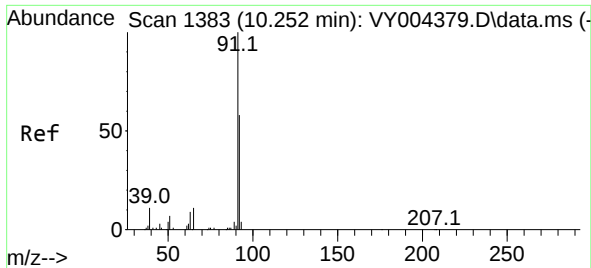
Tgt Ion: 98 Resp: 308782
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
58 29.2 29.2 43.8#

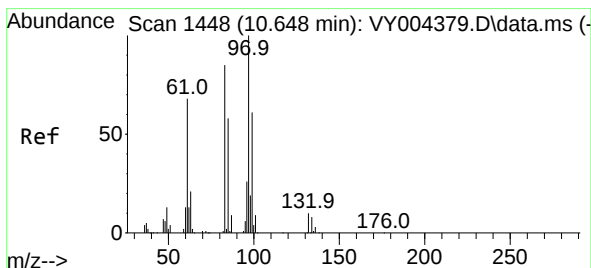
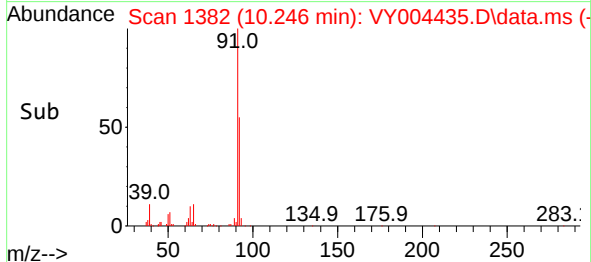
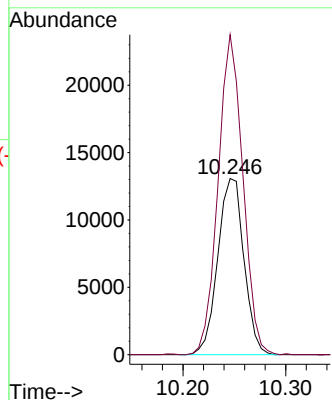
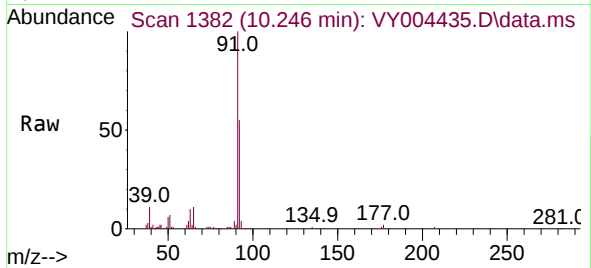




#52
Toluene
Concen: 4.88 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

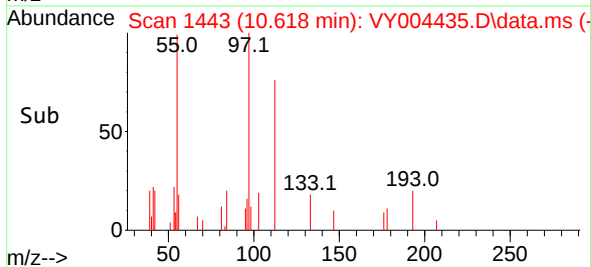
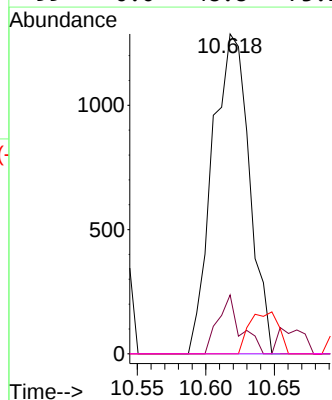
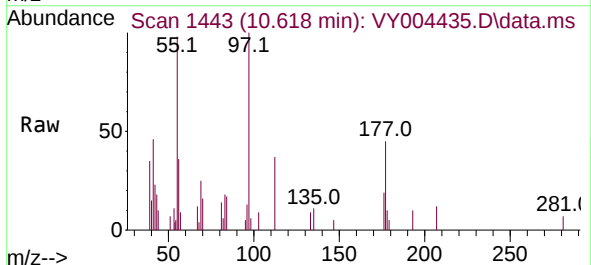
Instrument :
MSVOA_Y
ClientSampled :

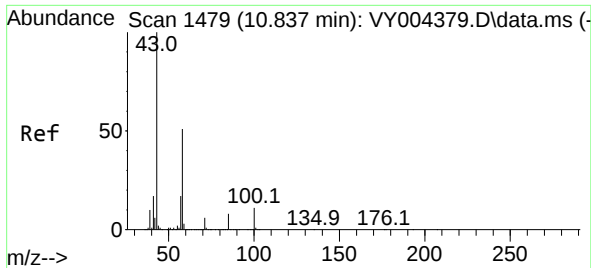
Tgt Ion: 92 Resp: 23108
Ion Ratio Lower Upper
92 100
91 172.1 137.8 206.6



#55
1,1,2-Trichloroethane
Concen: 1.71 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 97 Resp: 2416
Ion Ratio Lower Upper
97 100
83 18.4 68.4 102.6#
85 0.0 46.2 69.4#
99 0.0 48.8 73.2#

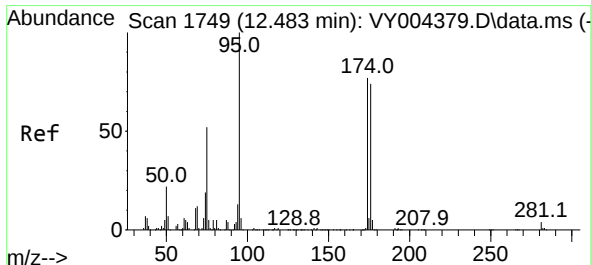
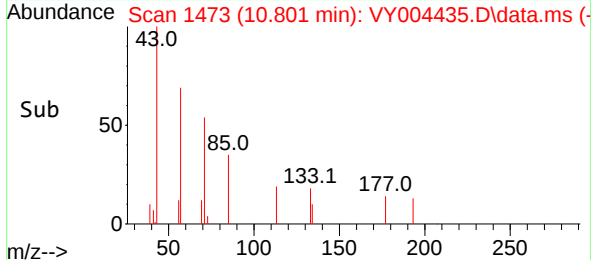
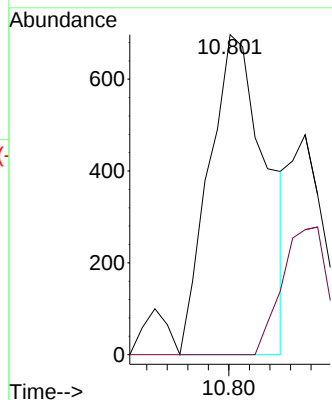
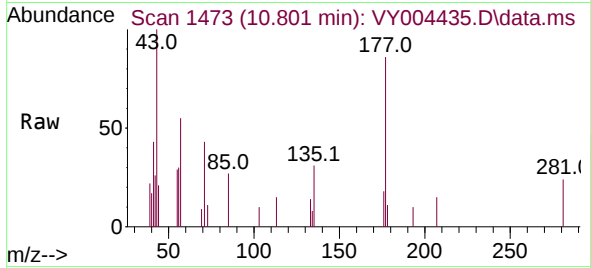




#59
2-Hexanone
Concen: 1.23 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.036 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

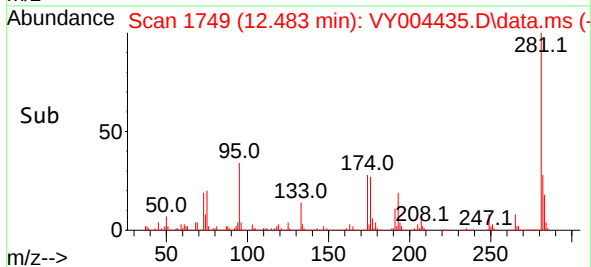
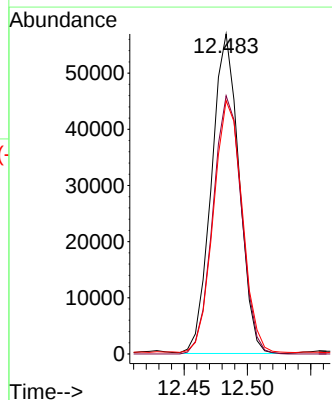
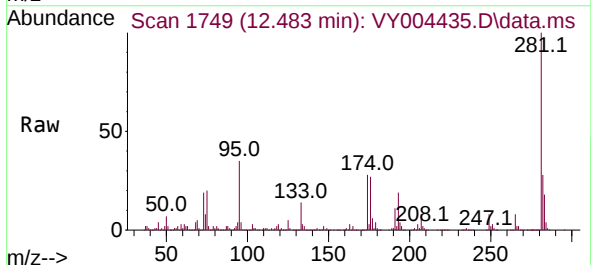
Instrument :
MSVOA_Y
ClientSampled :

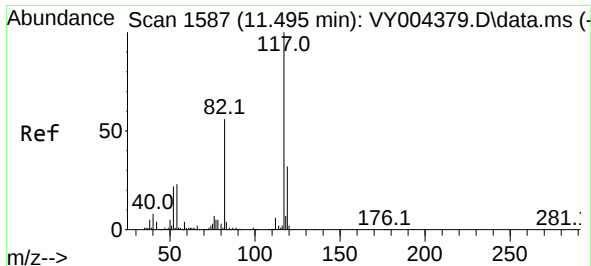
Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 41.10 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 95 Resp: 86249
Ion Ratio Lower Upper
95 100
174 83.4 0.0 162.4
176 82.0 0.0 156.0

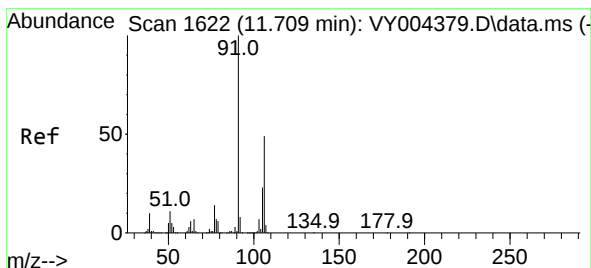
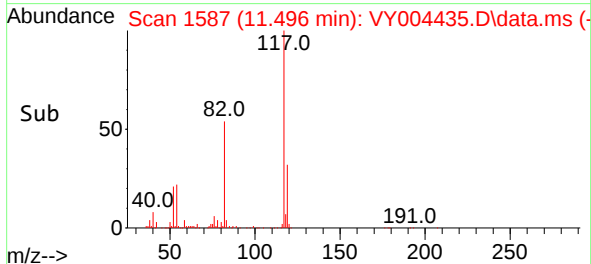
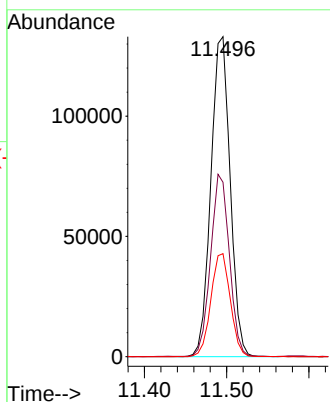
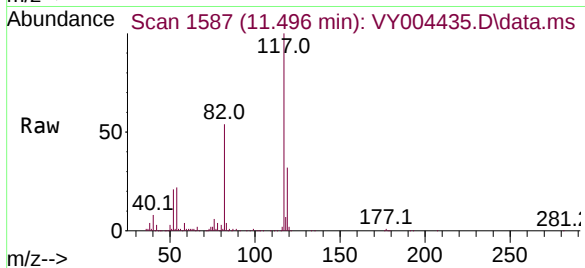




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

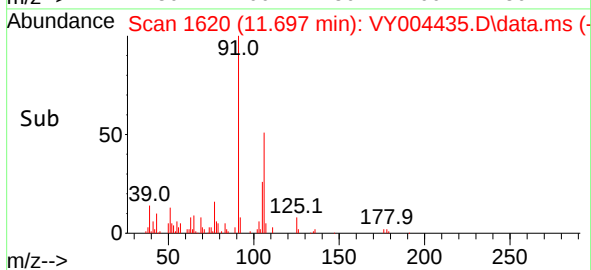
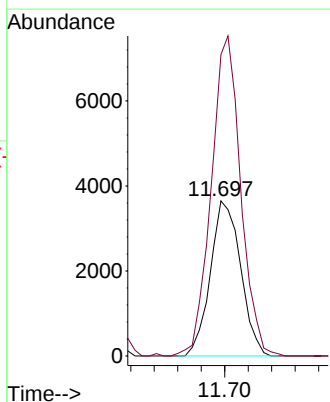
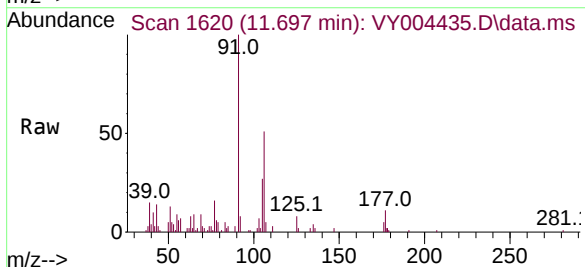
Instrument :
MSVOA_Y
ClientSampled :

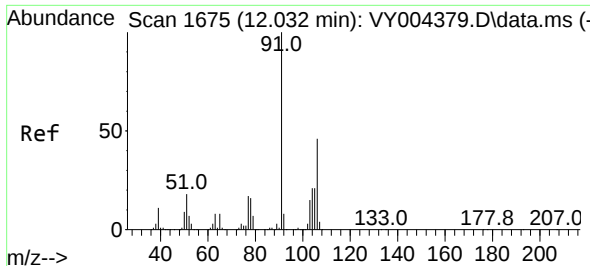
Tgt Ion:117 Resp: 216561
Ion Ratio Lower Upper
117 100
82 54.4 44.9 67.3
119 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 2.12 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:106 Resp: 6520
Ion Ratio Lower Upper
106 100
91 201.3 163.2 244.8

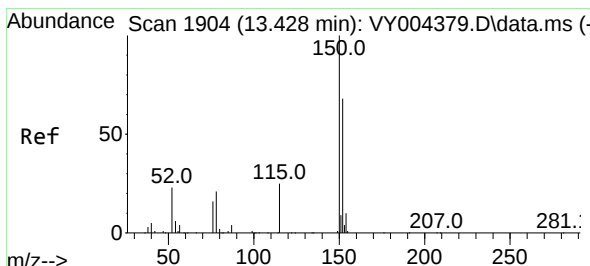
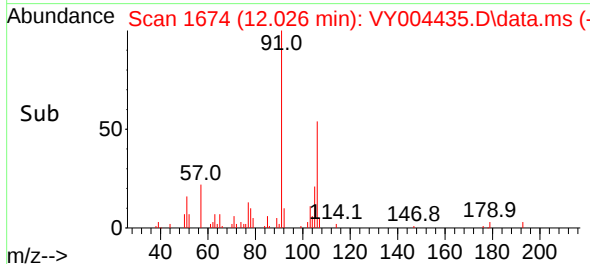
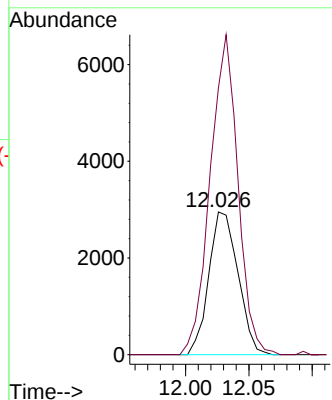
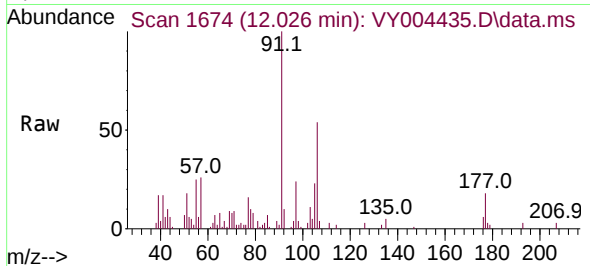




#69
o-Xylene
Concen: 1.65 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

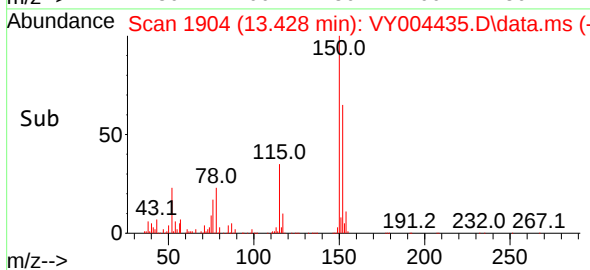
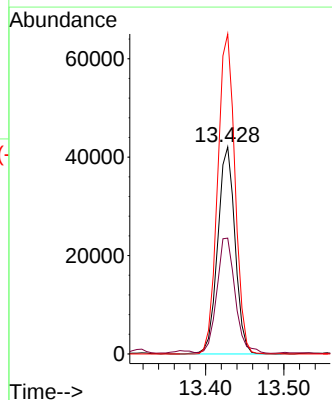
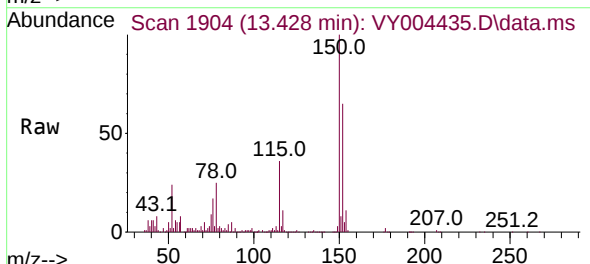
Instrument :
MSVOA_Y
ClientSampled :

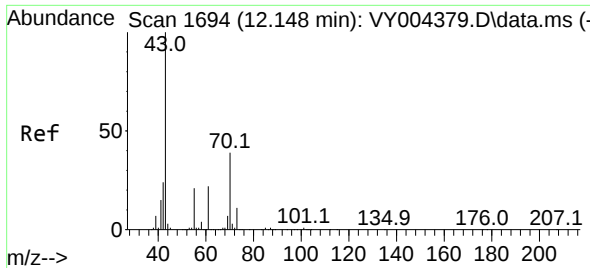
Tgt Ion:106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 213.1 107.4 322.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

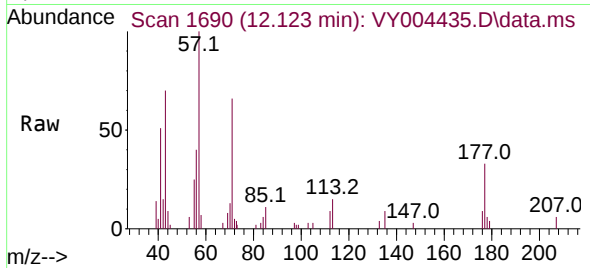
Tgt Ion:152 Resp: 64545
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 154.6 0.0 348.4



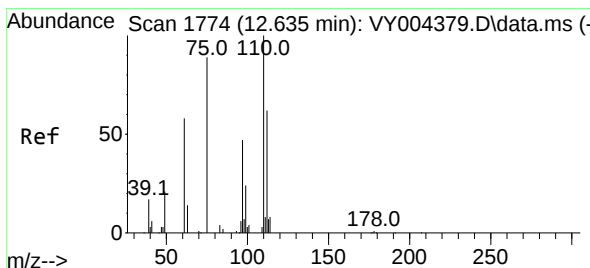
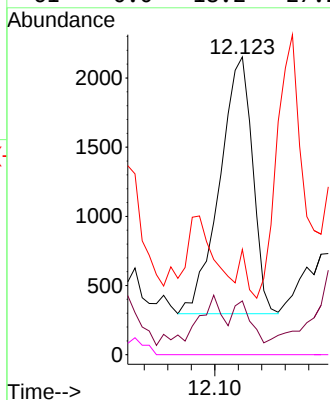
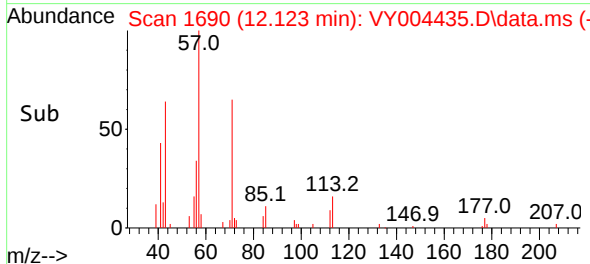


#74
N-amy1 acetate
Concen: 2.15 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

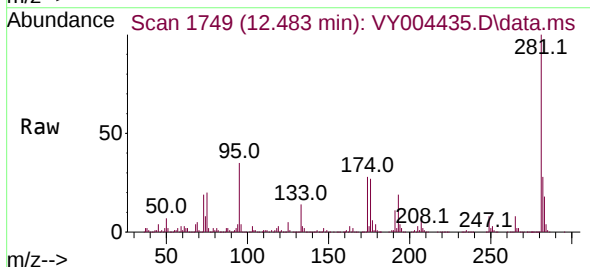
Instrument :
MSVOA_Y
ClientSampleId :



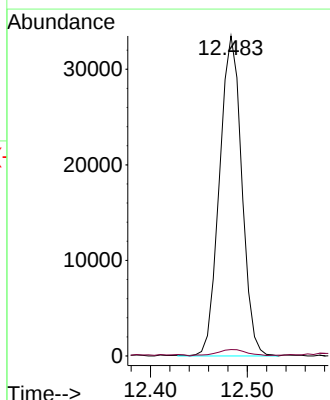
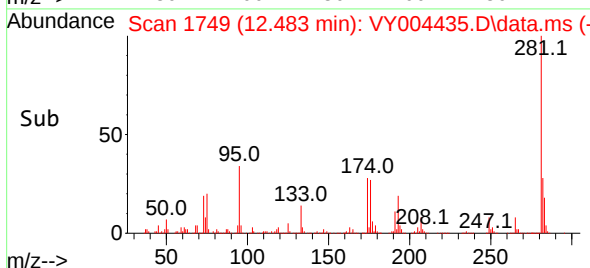
Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
70 8.3 30.4 45.6#
55 0.0 17.4 26.0#
61 0.0 18.2 27.2#

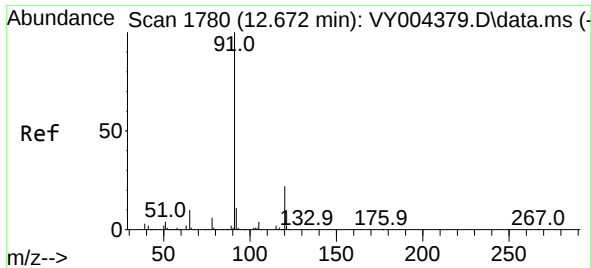


#76
1,2,3-Trichloropropane
Concen: 77.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38



Tgt Ion: 75 Resp: 53579
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#

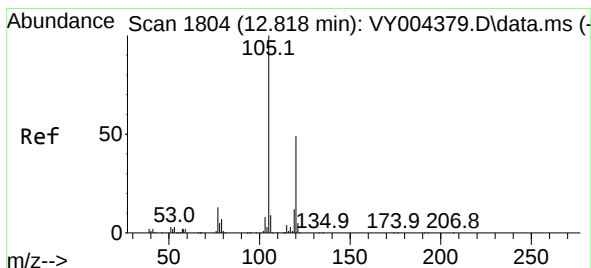
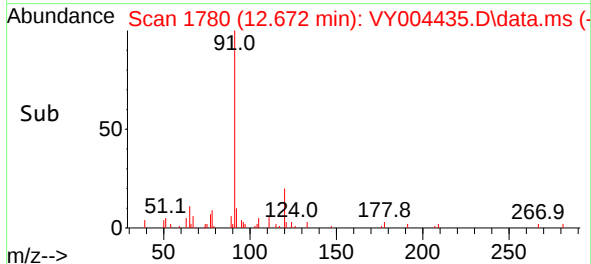
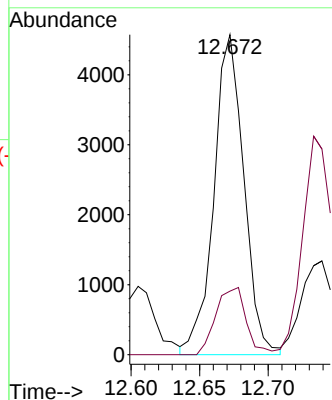
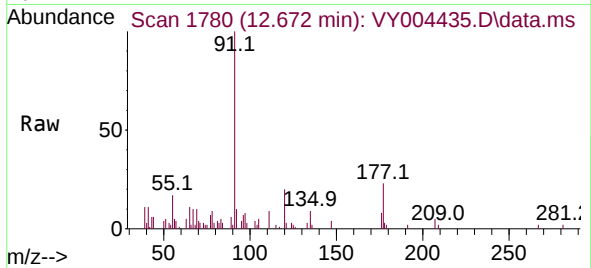




#78
n-propylbenzene
Concen: 1.18 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

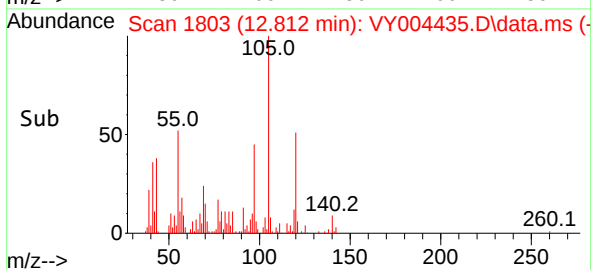
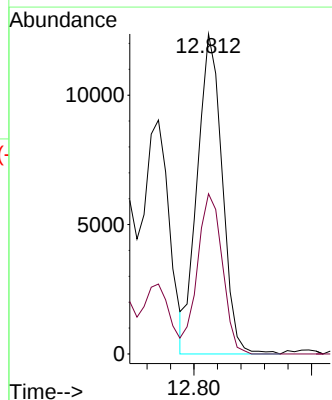
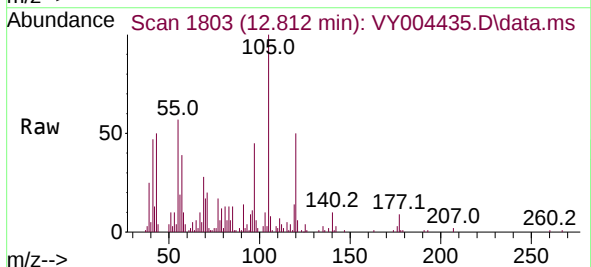
Instrument :
MSVOA_Y
ClientSampled :

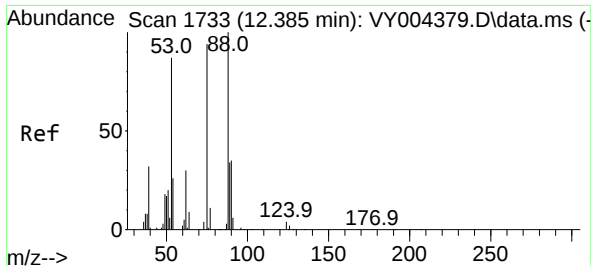
Tgt Ion: 91 Resp: 6959
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 4.49 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 105 Resp: 18196
Ion Ratio Lower Upper
105 100
120 50.2 24.6 74.0

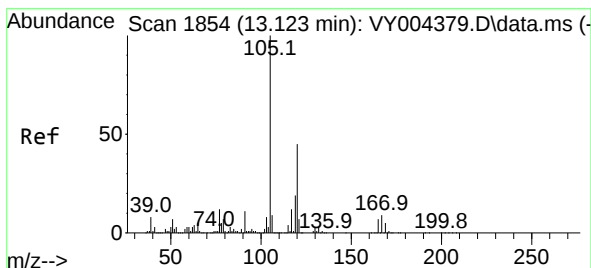
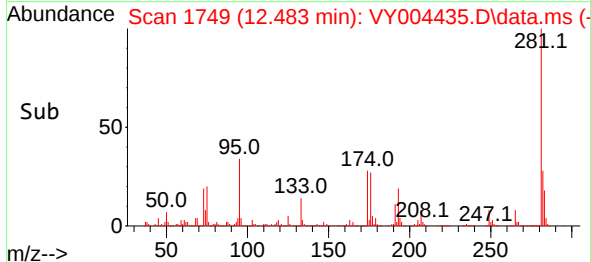
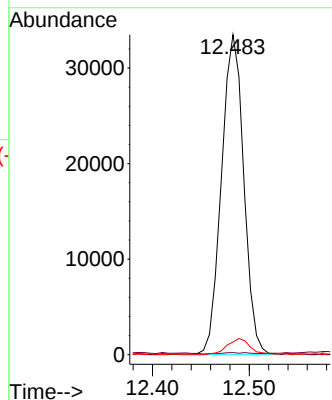
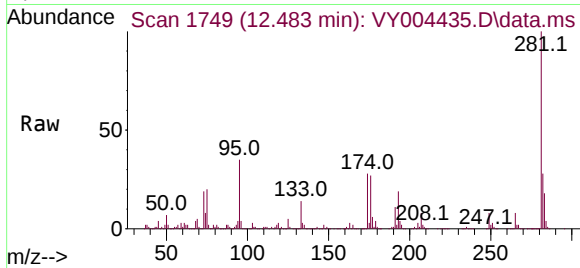




#81
trans-1,4-Dichloro-2-butene
Concen: 138.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

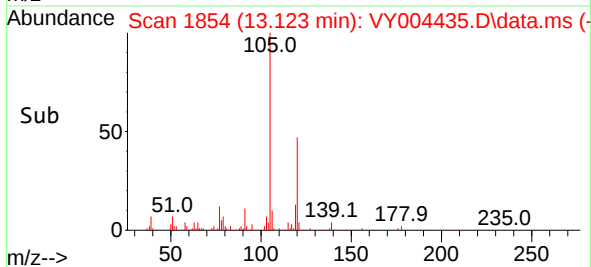
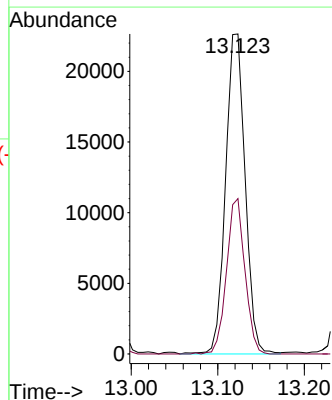
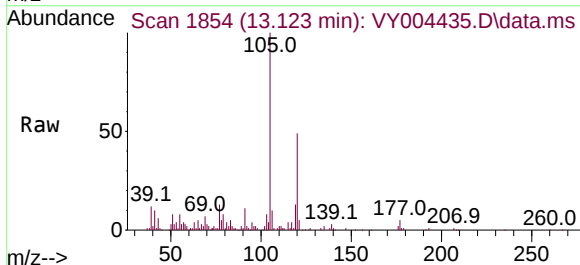
Instrument :
MSVOA_Y
ClientSampleId :

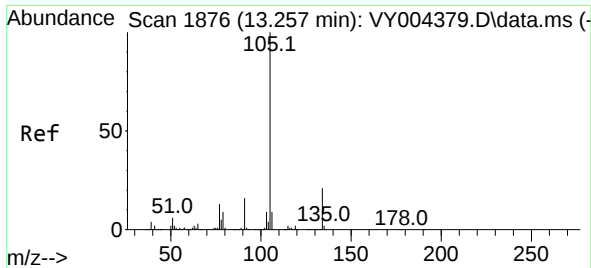
Tgt Ion: 75 Resp: 53579
Ion Ratio Lower Upper
75 100
53 0.6 75.0 112.6#
89 5.3 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 8.68 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 105 Resp: 35512
Ion Ratio Lower Upper
105 100
120 45.7 22.4 67.3

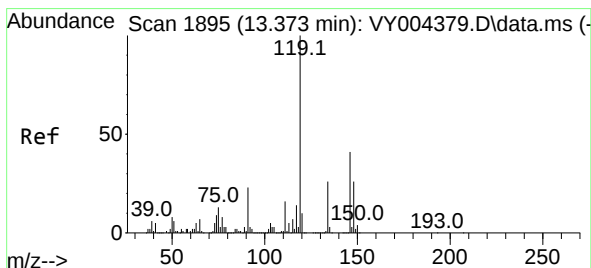
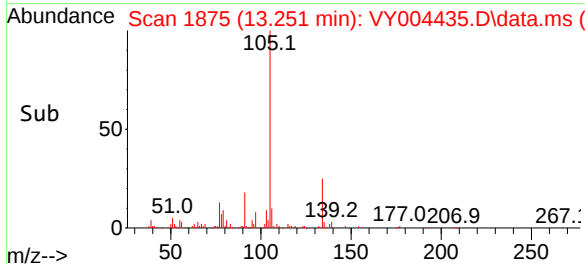
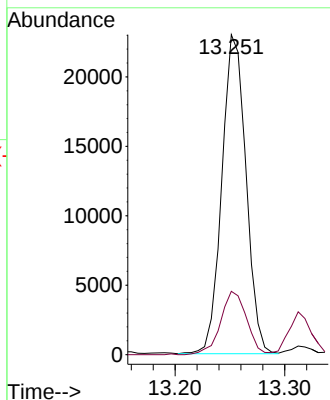
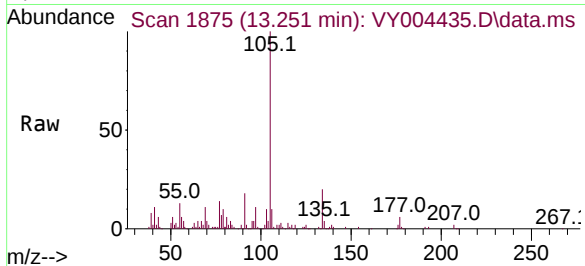




#85
 sec-Butylbenzene
 Concen: 7.27 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY004435.D
 Acq: 15 Apr 2021 12:38

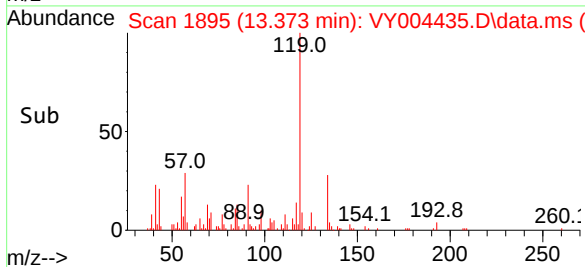
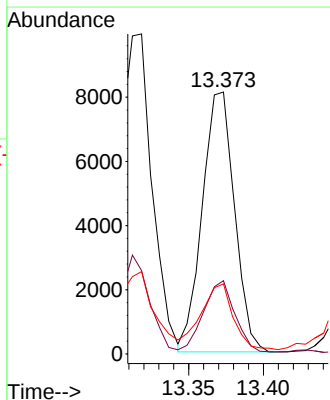
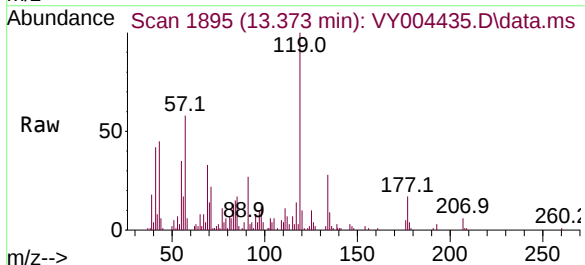
Instrument :
 MSVOA_Y
 ClientSampled :

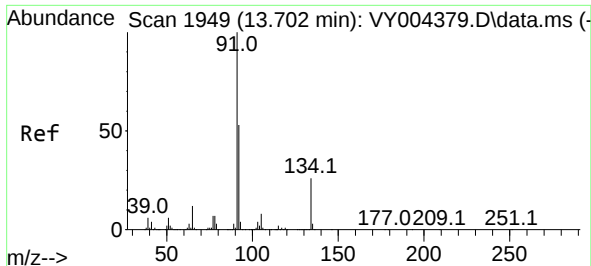
Tgt Ion:105 Resp: 35166
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 2.76 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY004435.D
 Acq: 15 Apr 2021 12:38

Tgt Ion:119 Resp: 12153
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.3 39.8
 91 25.2 11.9 35.7

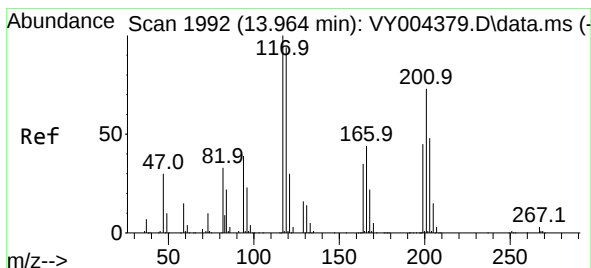
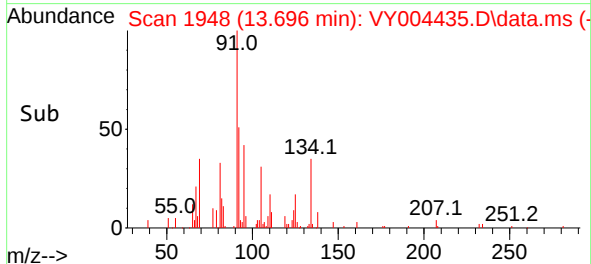
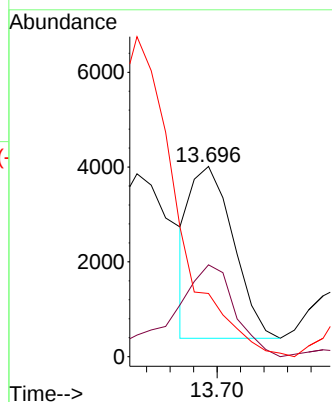
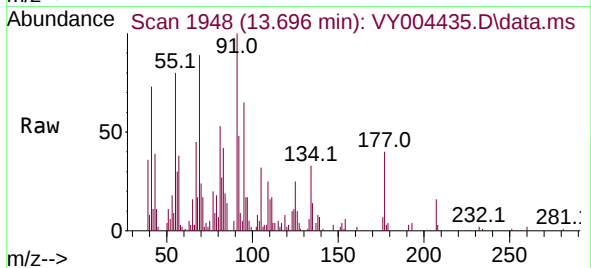




#89
n-Butylbenzene
Concen: 1.09 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

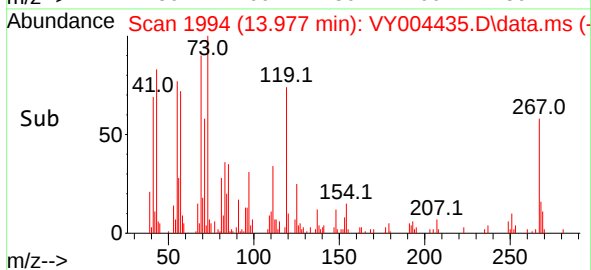
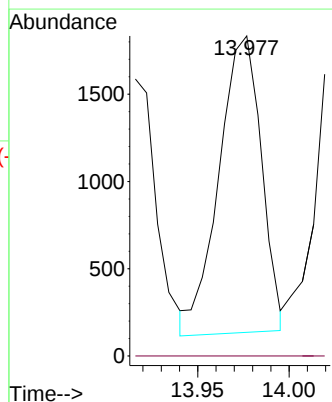
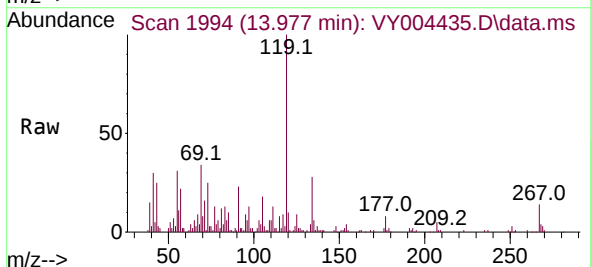
Instrument :
MSVOA_Y
ClientSampled :

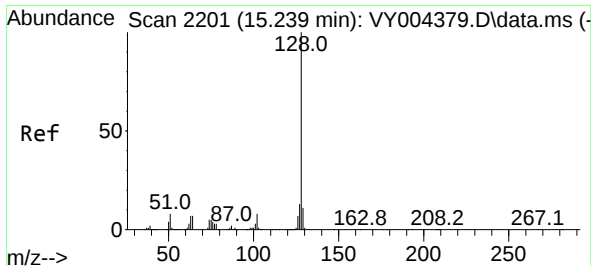
Tgt Ion: 91 Resp: 4600
Ion Ratio Lower Upper
91 100
92 75.1 26.6 79.8
134 0.0 12.7 38.1#



#90
Hexachloroethane
Concen: 4.66 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 117 Resp: 2750
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#

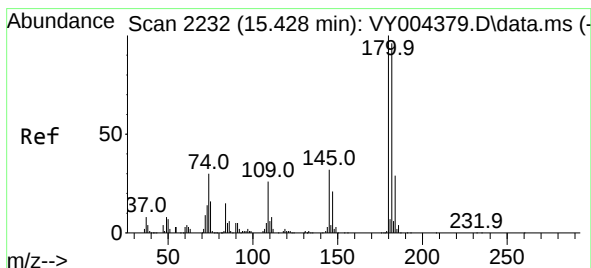
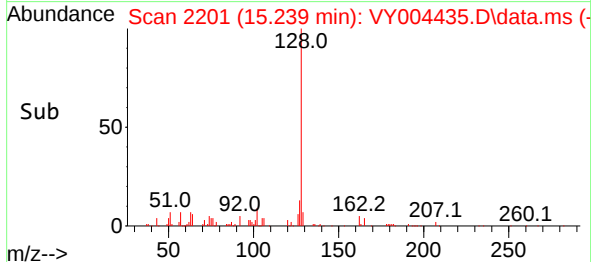
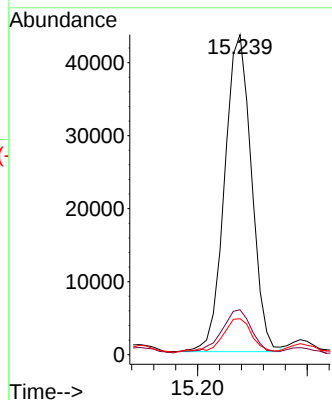
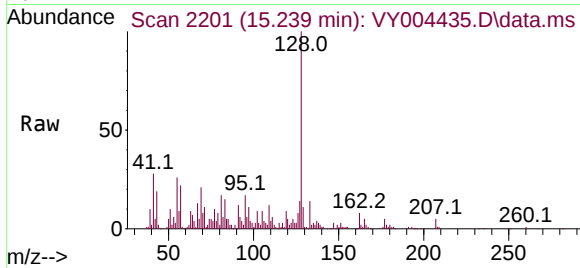




#95
Naphthalene
Concen: 27.73 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:128 Resp: 73890
Ion Ratio Lower Upper
128 100
127 15.6 10.2 15.2#
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.52 ug/l
RT: 15.452 min Scan# 2236
Delta R.T. 0.025 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:180 Resp: 1640
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.8#
145 0.0 16.3 48.8#

