

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
 Data File : VY004135.D
 Acq On : 19 Mar 2021 13:38
 Operator : SY/MD
 Sample : M1721-01
 Misc : 6.51g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-031821

Quant Time: Mar 20 03:13:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

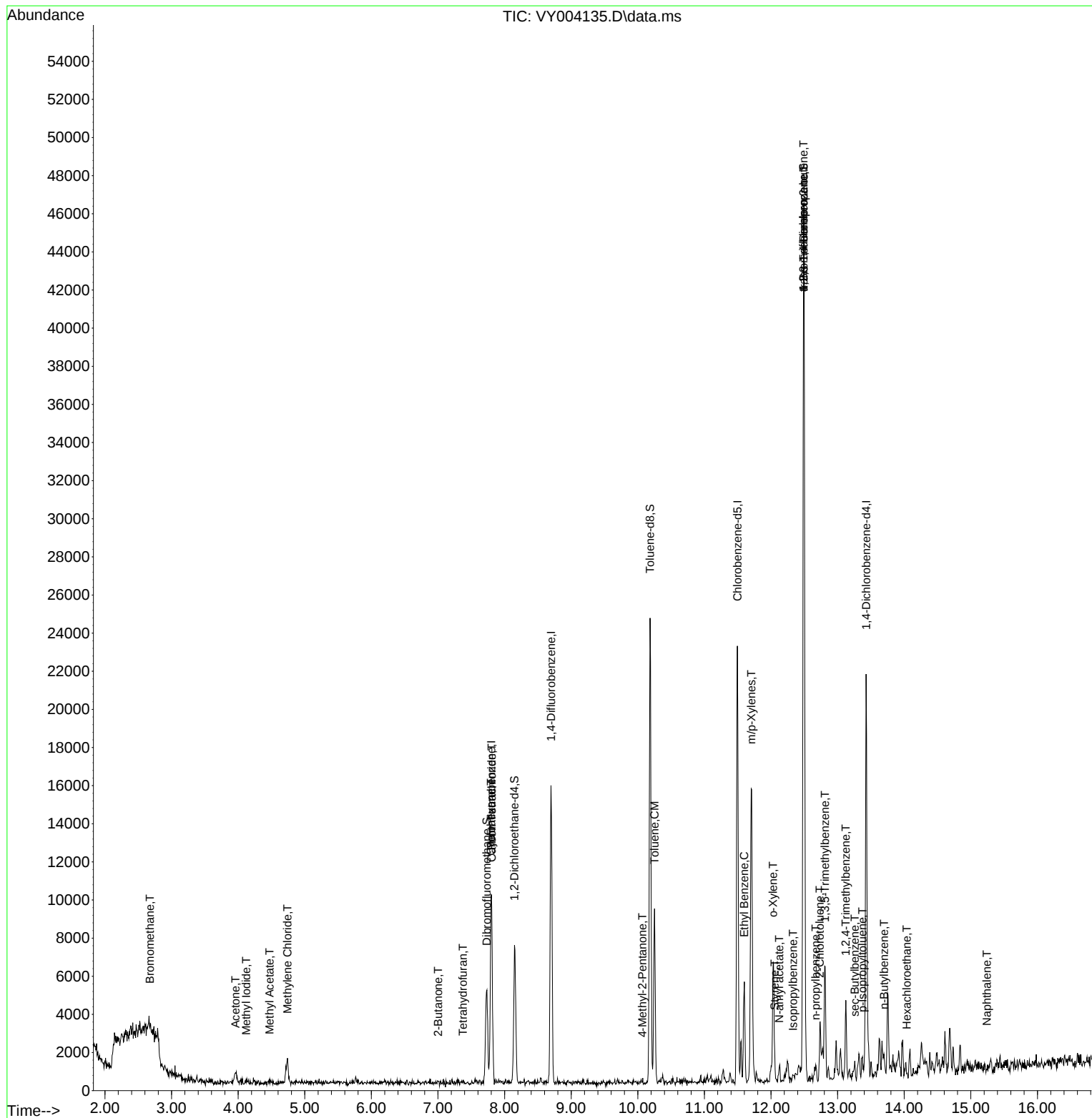
Internal Standards						
1) Pentafluorobenzene	7.801	168	7774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	13859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	12717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	5486	71.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.02%			
35) Dibromofluoromethane	7.734	113	3534	45.22	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.44%			
50) Toluene-d8	10.185	98	16113	52.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.18%			
62) 4-Bromofluorobenzene	12.489	95	5570	49.22	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.44%			
Target Compounds					Qvalue	
3) Chloromethane	2.131	50	262	Below Cal	#	43
5) Bromomethane	2.674	94	238	3.97	ug/l #	68
10) Methyl Iodide	4.119	142	224	3.14	ug/l #	40
16) Acetone	3.960	43	985	53.19	ug/l #	88
18) Methyl Acetate	4.472	43	94	2.05	ug/l #	54
20) Methylene Chloride	4.740	84	831	6.82	ug/l #	78
25) 2-Butanone	7.002	43	69	2.58	ug/l #	51
29) Tetrahydrofuran	7.374	42	23	1.33	ug/l #	35
31) Cyclohexane	7.795	56	224	1.66	ug/l #	32
38) Carbon Tetrachloride	7.807	117	714	5.53	ug/l #	13
51) 4-Methyl-2-Pentanone	10.069	43	180	2.70	ug/l #	38
52) Toluene	10.252	92	3742	16.85	ug/l	99
67) Ethyl Benzene	11.599	91	4026	9.00	ug/l	97
68) m/p-Xylenes	11.703	106	4459	26.13	ug/l	98
69) o-Xylene	12.032	106	1546	9.58	ug/l	97
70) Styrene	12.056	104	662	2.40	ug/l #	85
73) Isopropylbenzene	12.330	105	361	1.06	ug/l #	48
74) N-amyl acetate	12.123	43	282	2.90	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	3181	67.87	ug/l #	100
78) n-propylbenzene	12.672	91	811	2.03	ug/l #	75
79) 2-Chlorotoluene	12.733	91	255	1.13	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	1155	4.01	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.489	75	3181	133.95	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	2245	7.78	ug/l	96
85) sec-Butylbenzene	13.257	105	436	1.28	ug/l	93
86) p-Isopropyltoluene	13.373	119	354	1.12	ug/l #	64
89) n-Butylbenzene	13.696	91	506	1.68	ug/l #	78
90) Hexachloroethane	14.038	117	160	2.81	ug/l #	4
95) Naphthalene	15.239	128	325	1.80	ug/l #	69

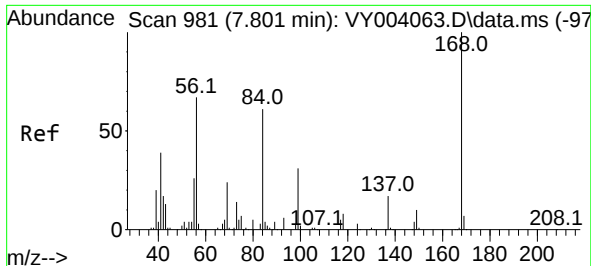
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
Data File : VY004135.D
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Instrument :
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TR-05-031821

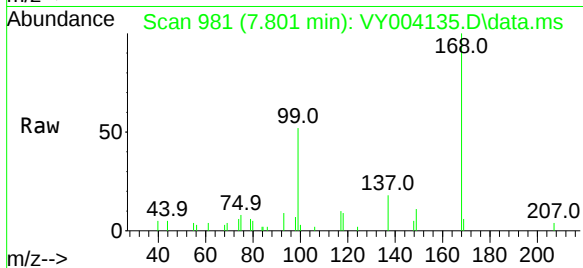
Quant Time: Mar 20 03:13:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
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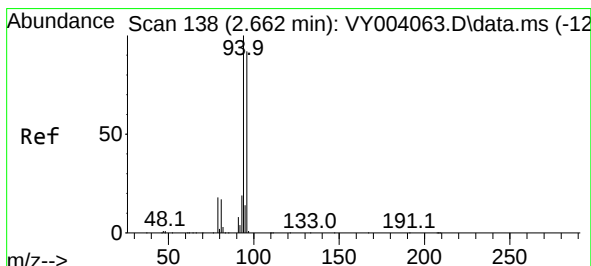
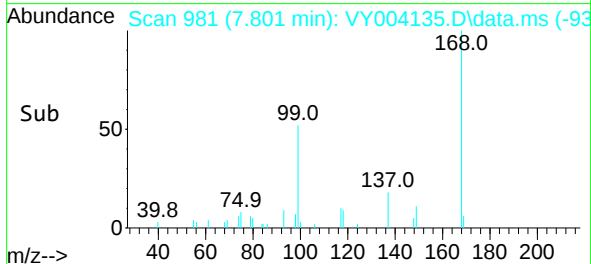
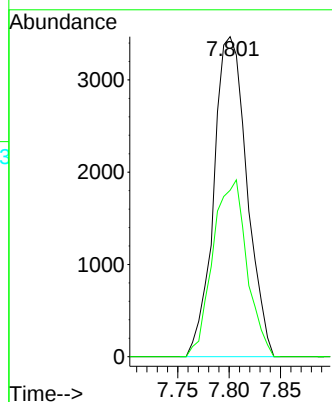


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

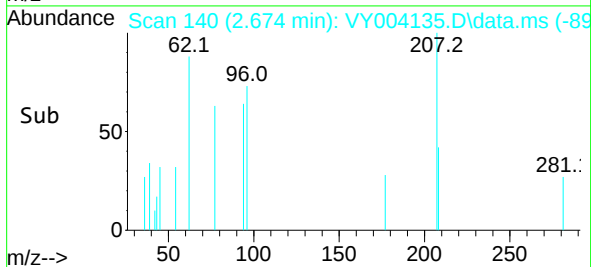
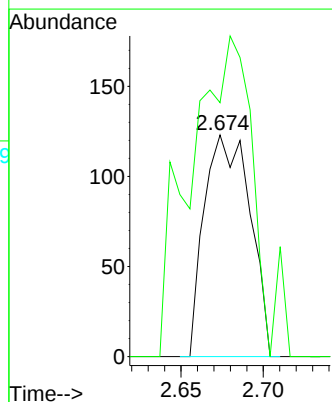
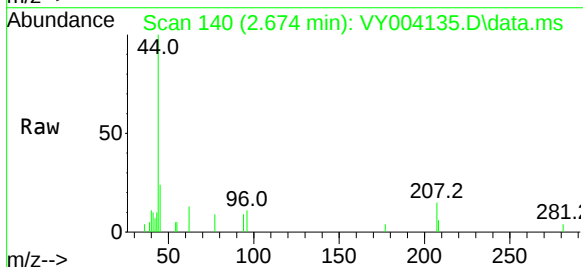


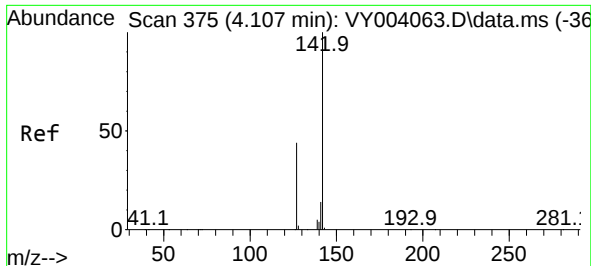
Tgt Ion:168 Resp: 7774
Ion Ratio Lower Upper
168 100
99 52.0 41.2 61.8



#5
Bromomethane
Concen: 3.97 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.012 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

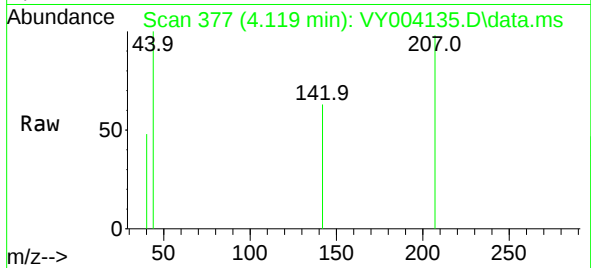
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 65.0 77.4 116.2#



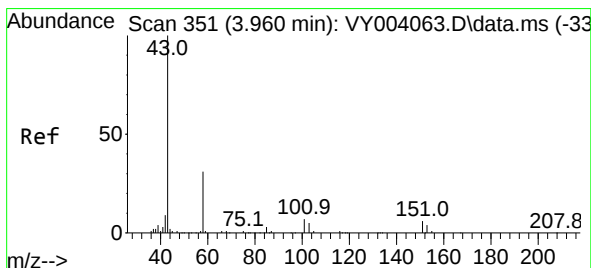
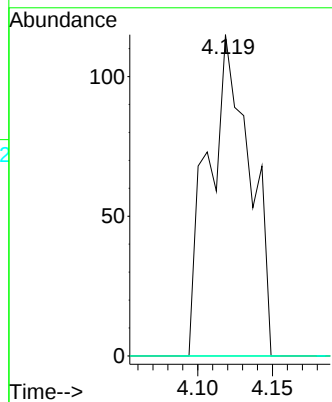
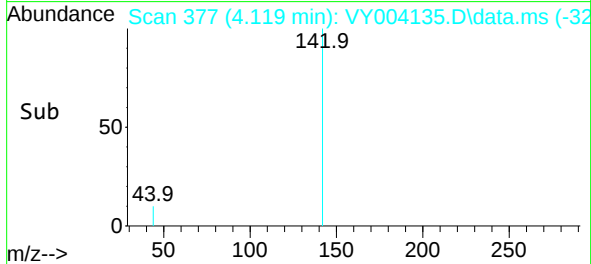


#10
Methyl Iodide
Concen: 3.14 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

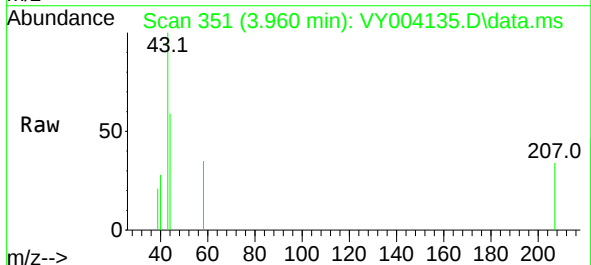
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821



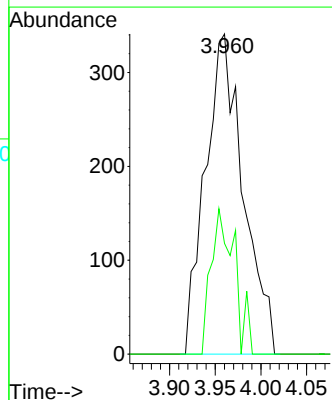
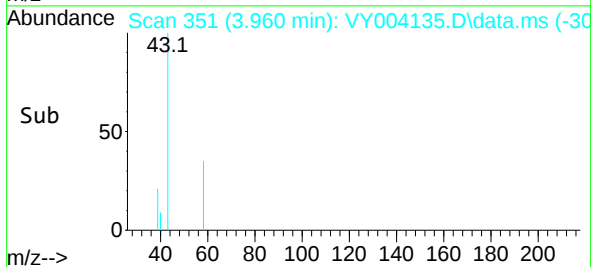
Tgt Ion:142 Resp: 224
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.0#
141 0.0 11.5 17.3#

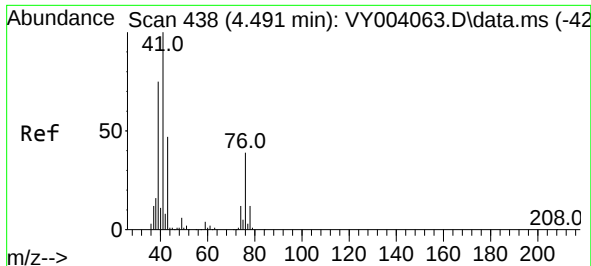


#16
Acetone
Concen: 53.19 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38



Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 34.6 22.6 34.0#

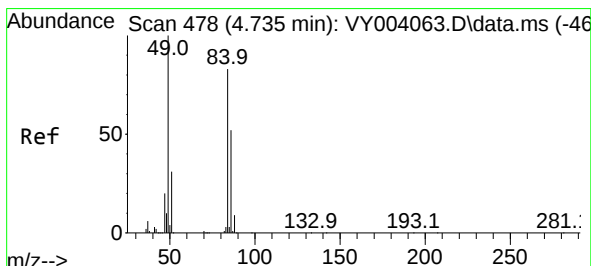
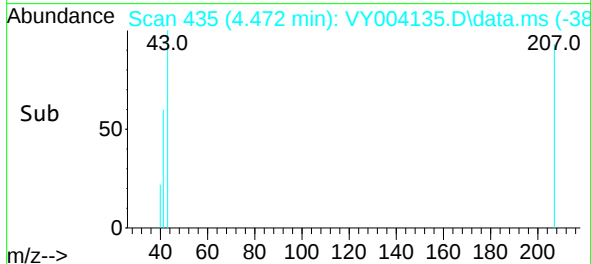
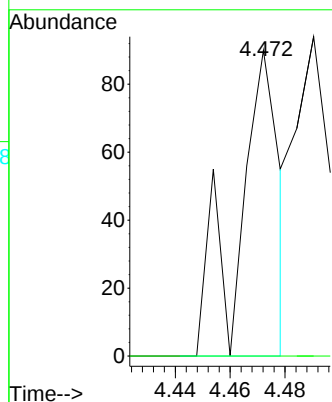
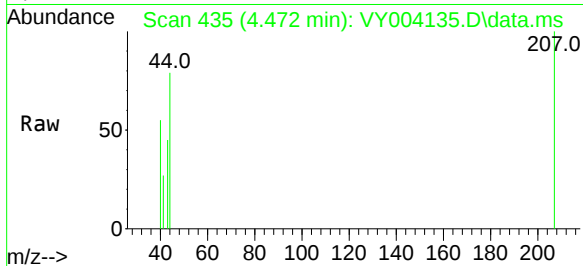




#18
Methyl Acetate
Concen: 2.05 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.019 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

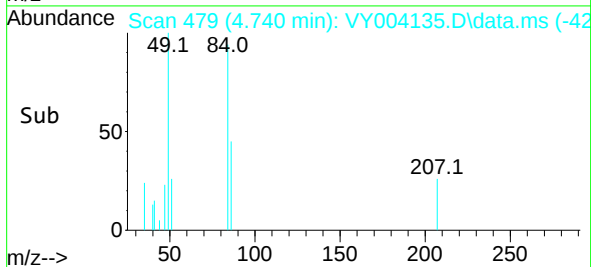
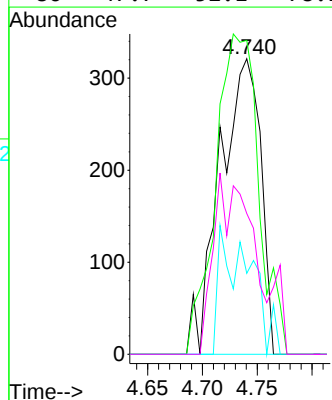
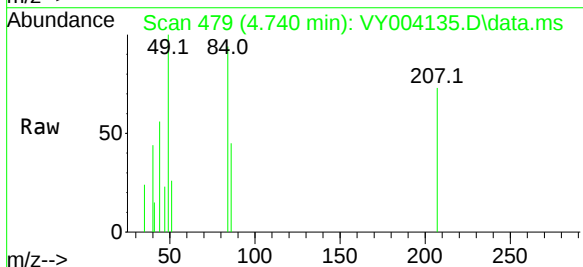
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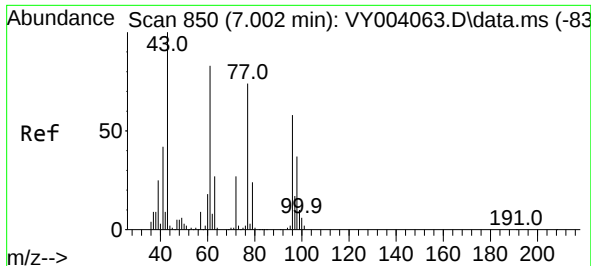
Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#20
Methylene Chloride
Concen: 6.82 ug/l
RT: 4.740 min Scan# 479
Delta R.T. 0.005 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 84 Resp: 831
Ion Ratio Lower Upper
84 100
49 106.2 105.8 158.6
51 27.4 32.6 48.8#
86 47.7 52.1 78.1#

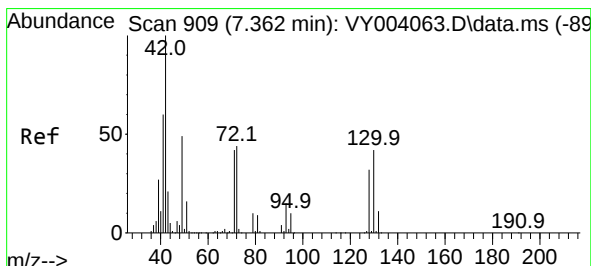
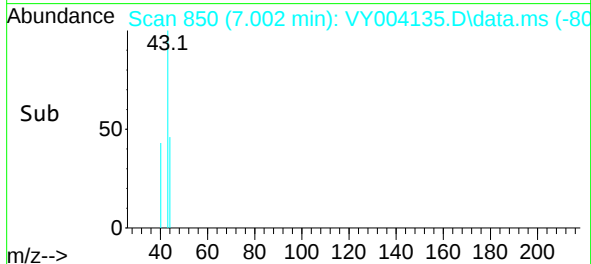
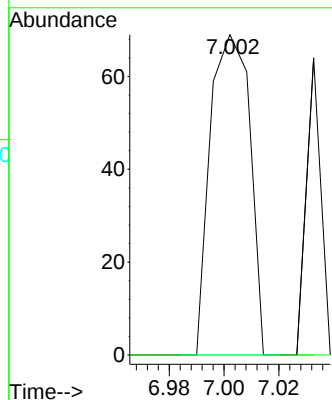
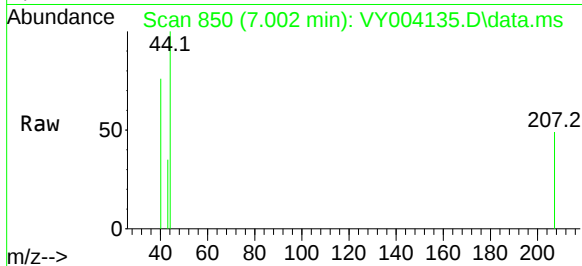




#25
2-Butanone
Concen: 2.58 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

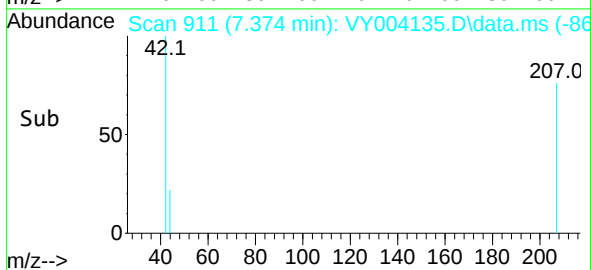
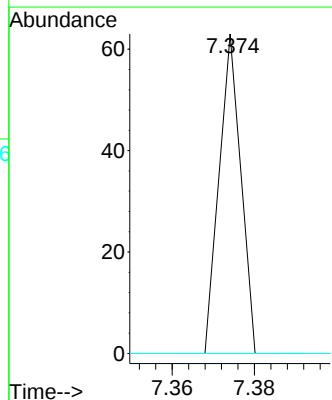
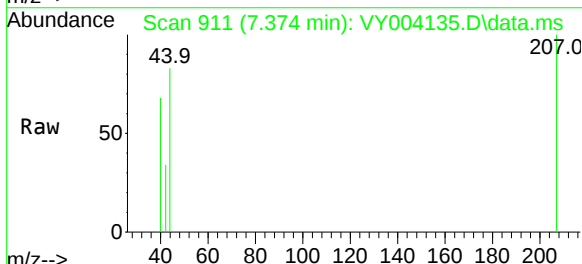
Instrument :
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ClientSampleId :
TR-05-031821

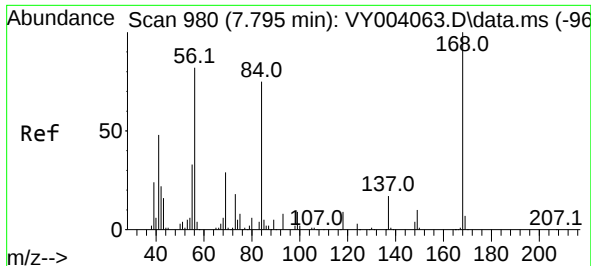
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#29
Tetrahydrofuran
Concen: 1.33 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 42 Resp: 23
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 31.0 46.6#

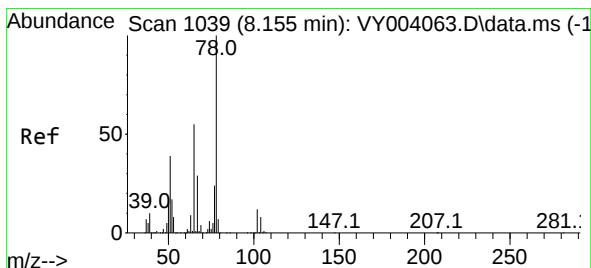
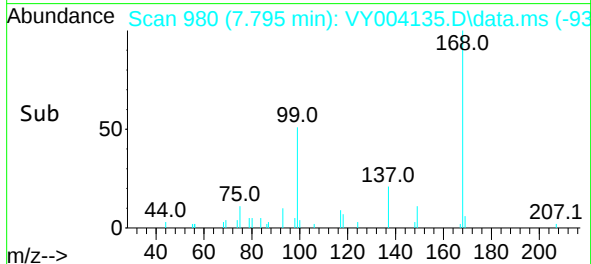
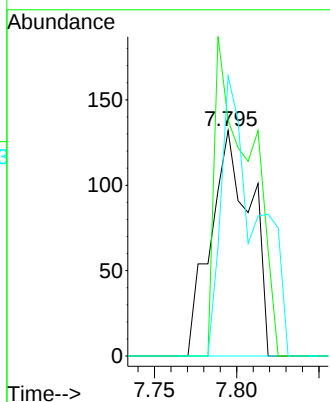
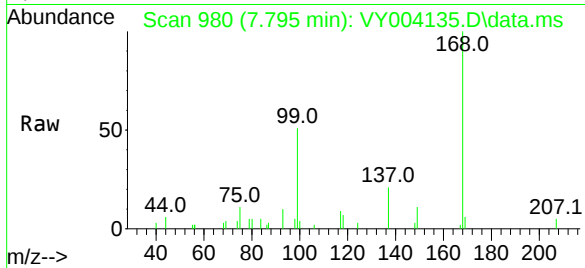




#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

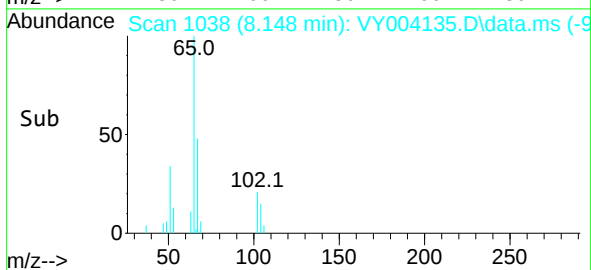
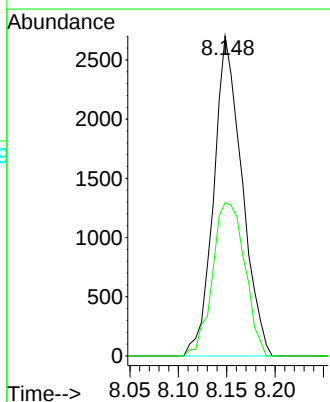
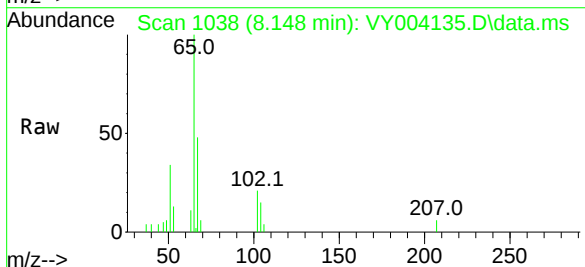
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MSVOA_Y
ClientSampled :
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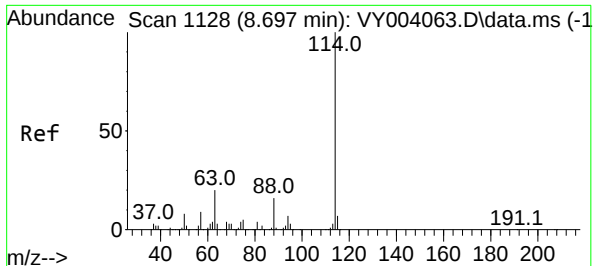
Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
69 104.5 25.3 37.9#
84 124.2 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 71.51 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.007 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 65 Resp: 5486
Ion Ratio Lower Upper
65 100
67 54.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

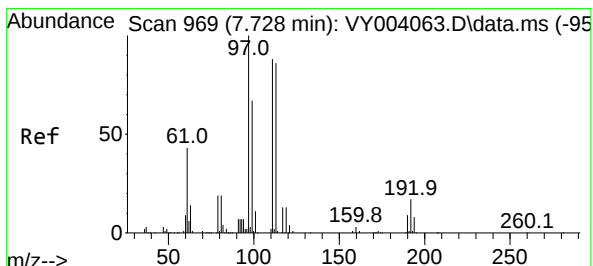
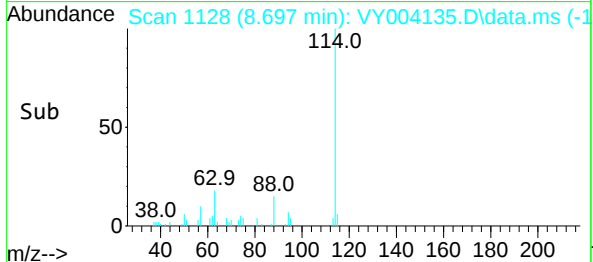
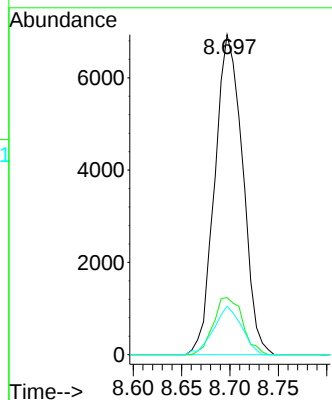
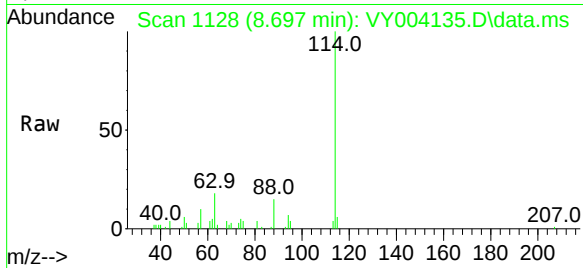
Delta R.T. 0.000 min

Lab File: VY004135.D

Acq: 19 Mar 2021 13:38

Tgt Ion:	114	Resp:	13859
Ion Ratio	Lower	Upper	
114	100		
63	17.9	0.0	41.6
88	15.2	0.0	31.4

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#35

Dibromofluoromethane

Concen: 45.22 ug/l

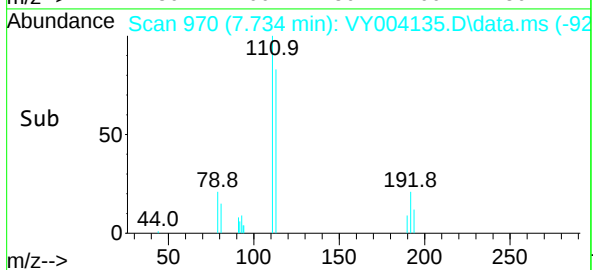
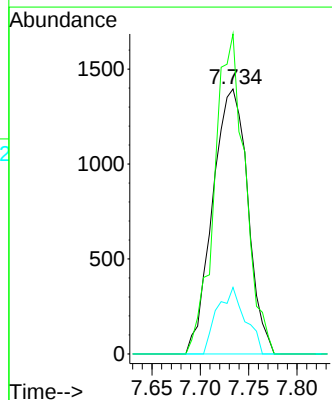
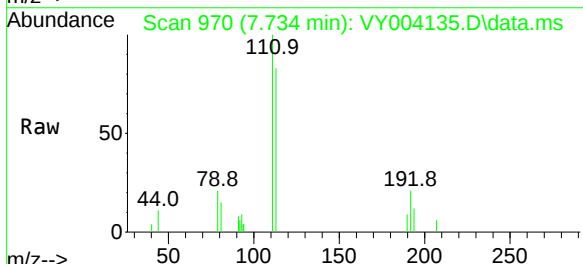
RT: 7.734 min Scan# 970

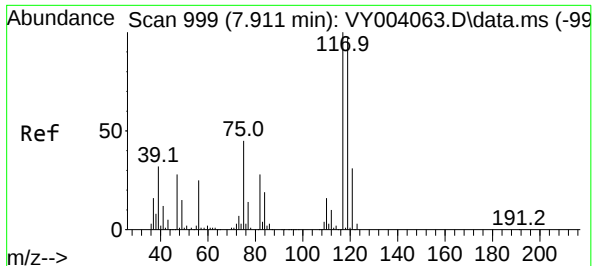
Delta R.T. 0.006 min

Lab File: VY004135.D

Acq: 19 Mar 2021 13:38

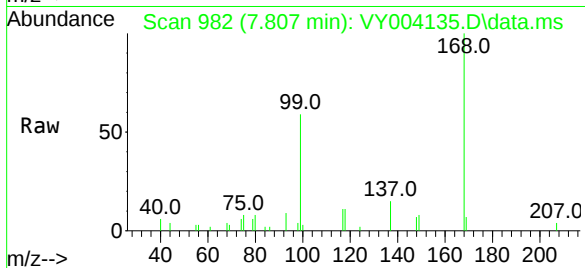
Tgt Ion:	113	Resp:	3534
Ion Ratio	Lower	Upper	
113	100		
111	105.2	83.2	124.8
192	19.9	18.5	27.7



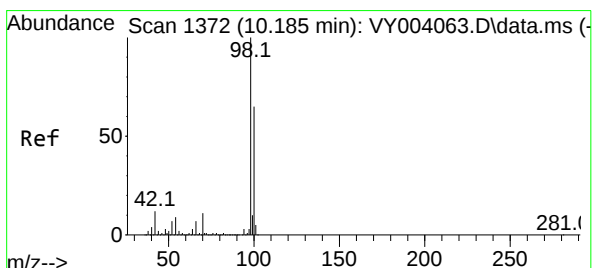
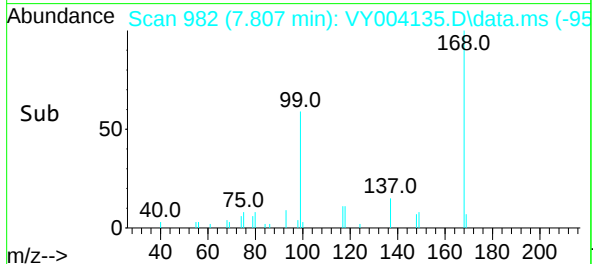
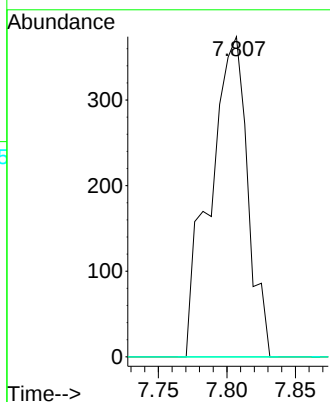


#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

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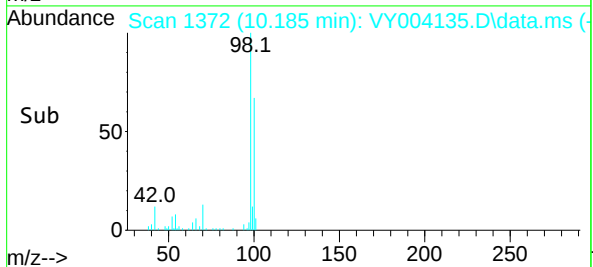
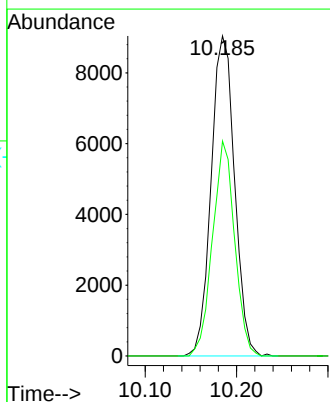
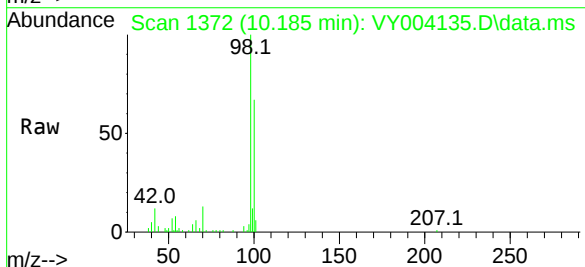


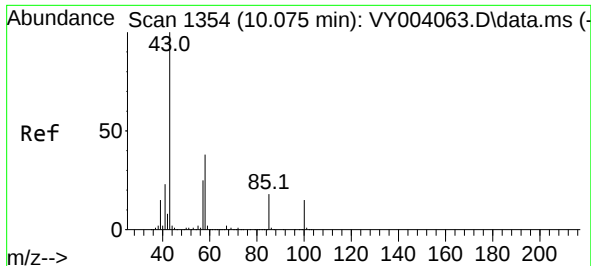
Tgt Ion:117 Resp: 714
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.59 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 98 Resp: 16113
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6

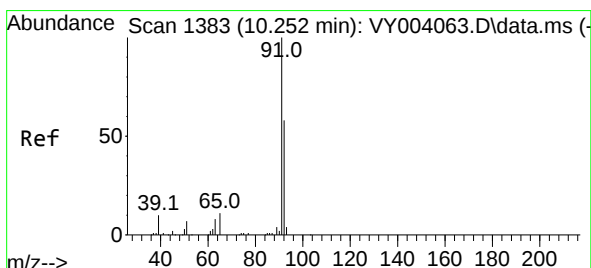
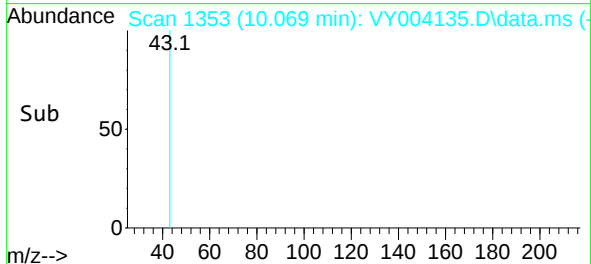
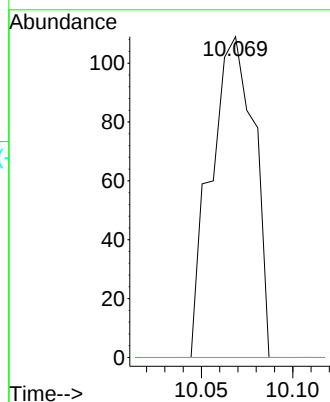
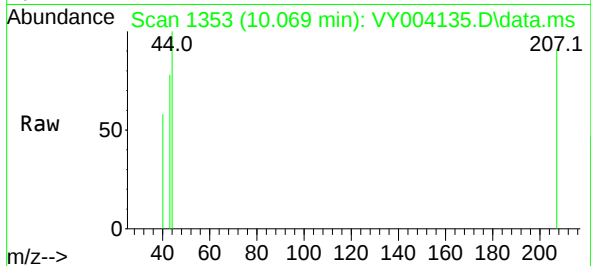




#51
4-Methyl-2-Pentanone
Concen: 2.70 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

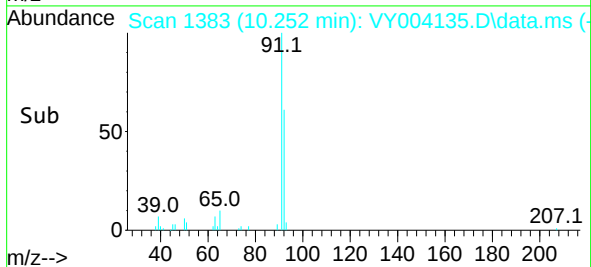
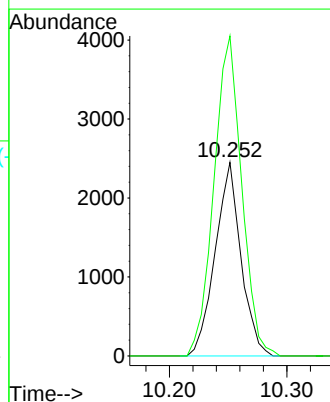
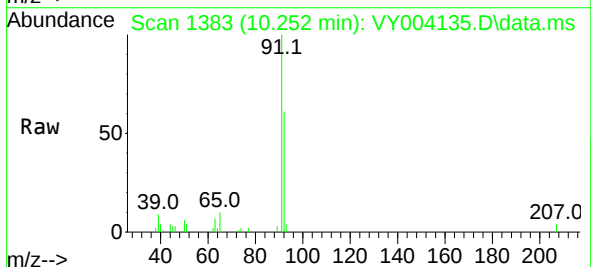
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

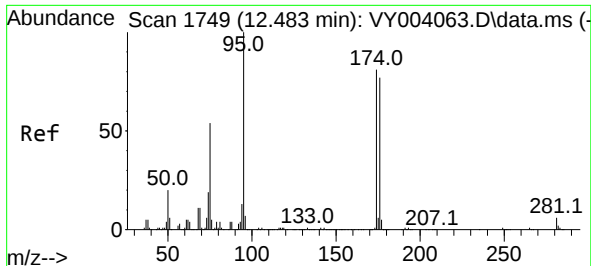
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#52
Toluene
Concen: 16.85 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 92 Resp: 3742
Ion Ratio Lower Upper
92 100
91 177.4 141.0 211.4

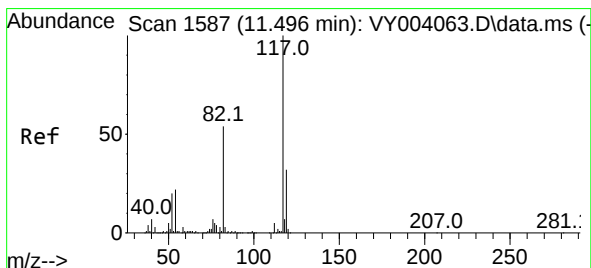
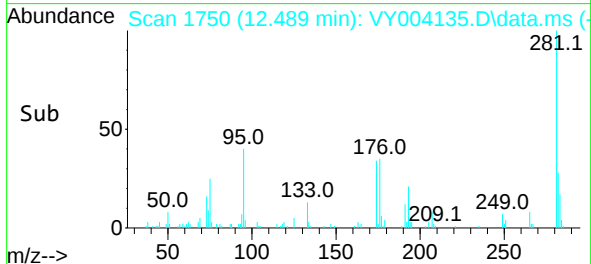
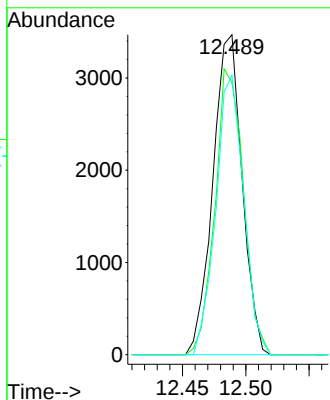
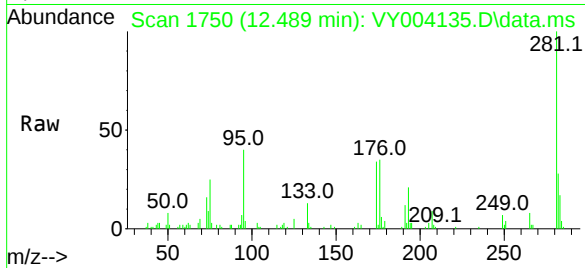




#62
4-Bromofluorobenzene
Concen: 49.22 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

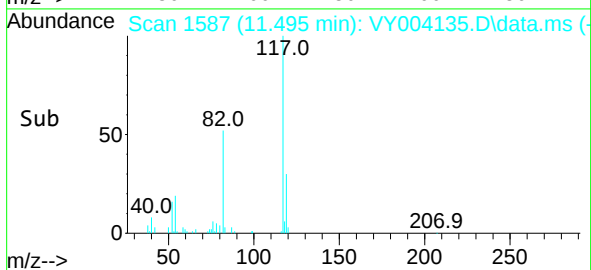
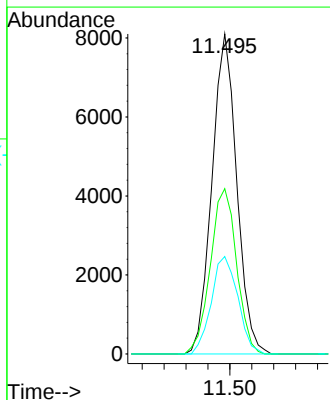
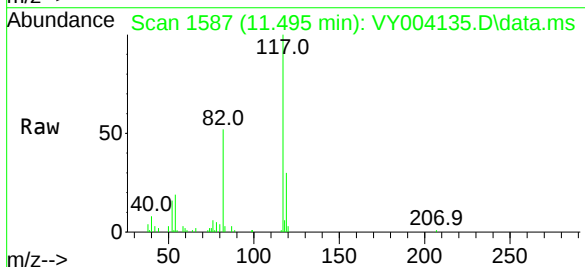
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

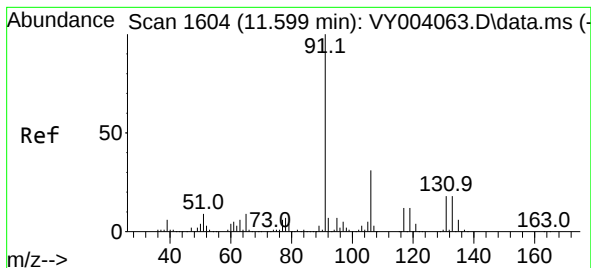
Tgt Ion: 95 Resp: 5570
Ion Ratio Lower Upper
95 100
174 87.1 0.0 179.0
176 83.4 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 117 Resp: 12717
Ion Ratio Lower Upper
117 100
82 51.7 43.8 65.6
119 30.5 26.2 39.2

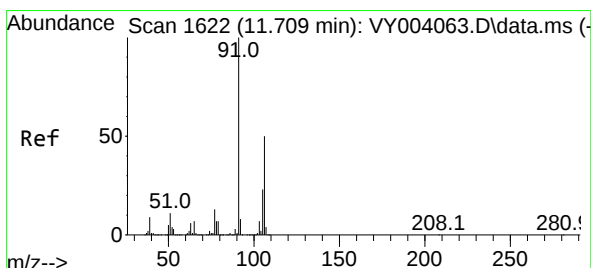
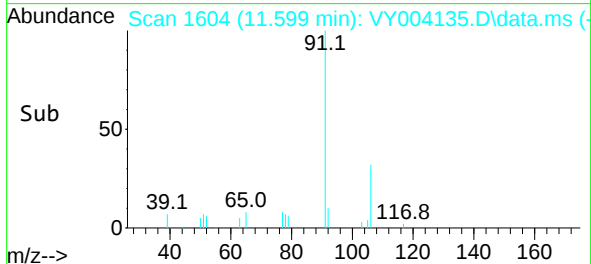
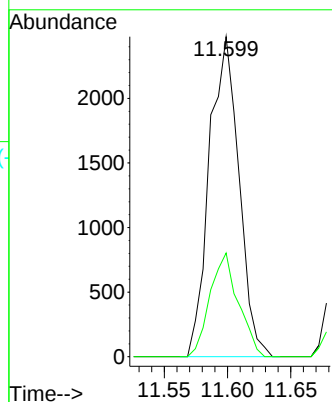
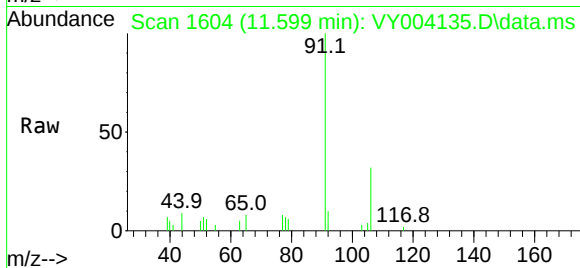




#67
Ethyl Benzene
Concen: 9.00 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

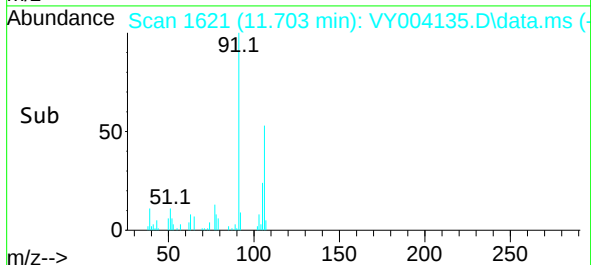
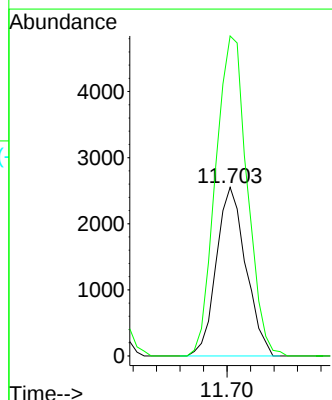
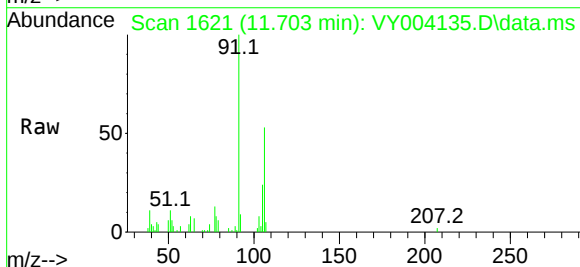
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

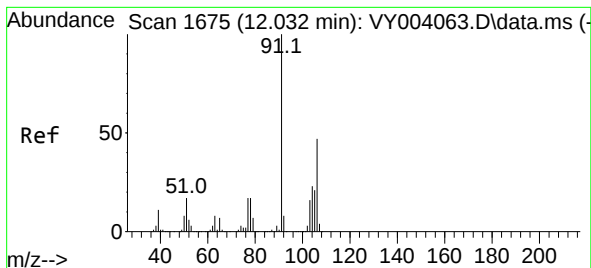
Tgt Ion: 91 Resp: 4026
Ion Ratio Lower Upper
91 100
106 32.4 24.5 36.7



#68
m/p-Xylenes
Concen: 26.13 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 106 Resp: 4459
Ion Ratio Lower Upper
106 100
91 202.8 165.4 248.0

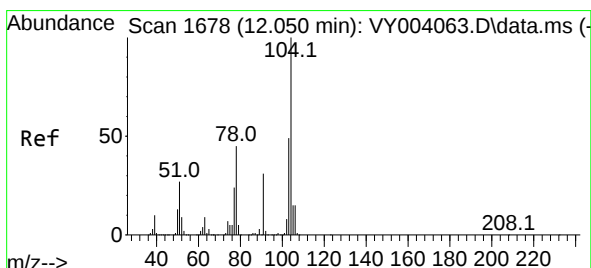
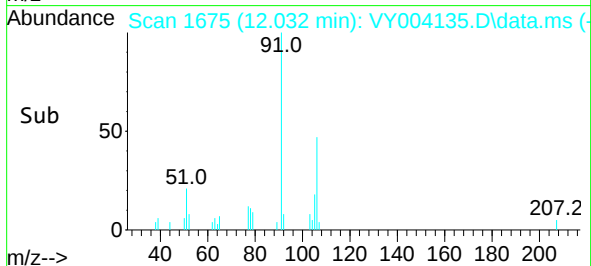
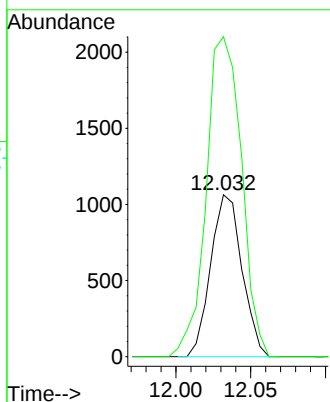
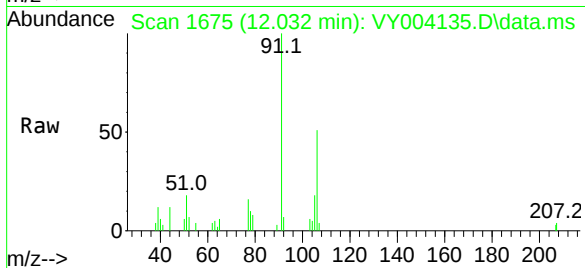




#69
o-Xylene
Concen: 9.58 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

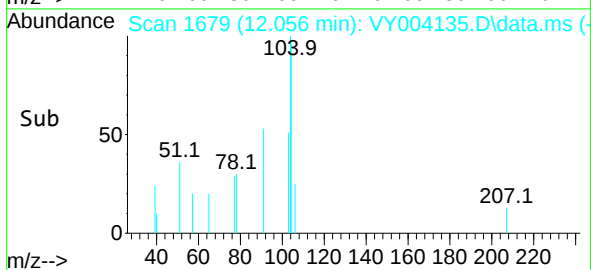
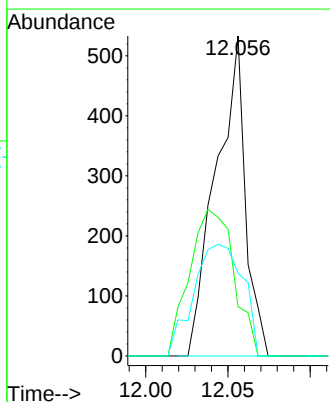
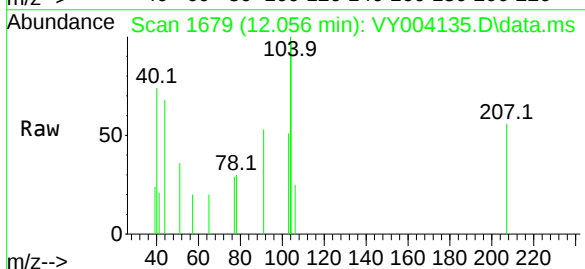
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

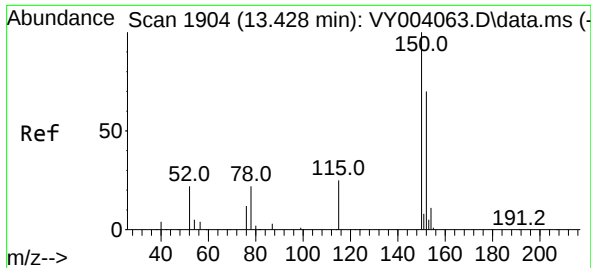
Tgt Ion:106 Resp: 1546
Ion Ratio Lower Upper
106 100
91 222.8 108.9 326.7



#70
Styrene
Concen: 2.40 ug/l
RT: 12.056 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion:104 Resp: 662
Ion Ratio Lower Upper
104 100
78 69.0 41.1 61.7#
103 58.5 43.9 65.9

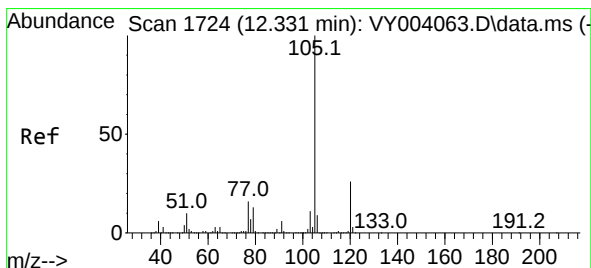
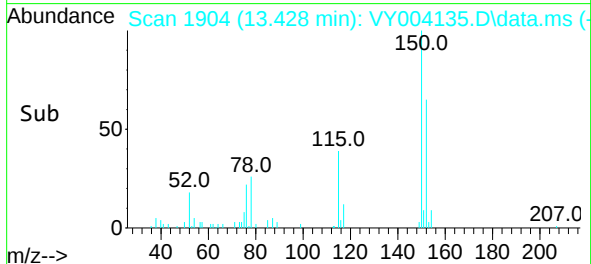
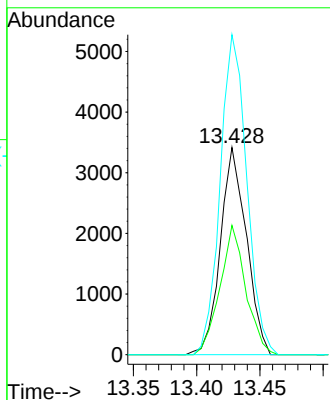
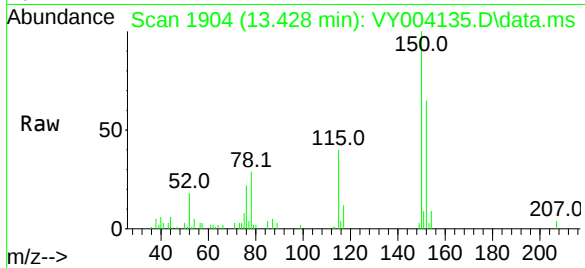




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

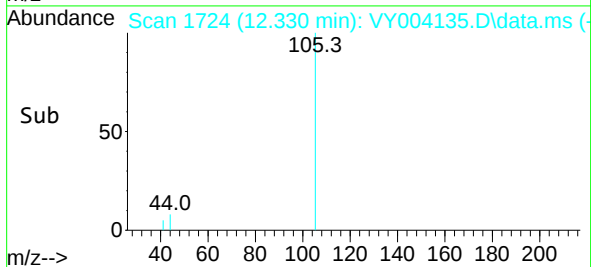
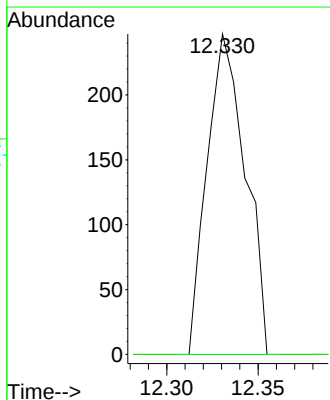
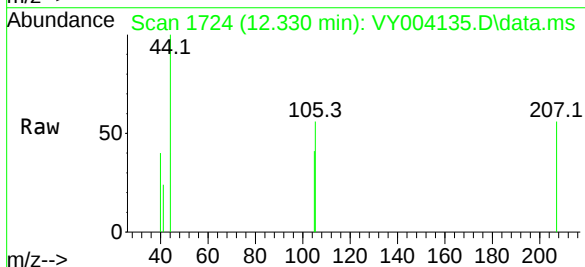
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

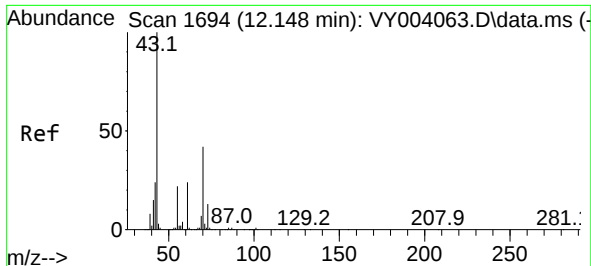
Tgt Ion:152 Resp: 4888
Ion Ratio Lower Upper
152 100
115 62.0 28.2 84.6
150 157.9 0.0 347.2



#73
Isopropylbenzene
Concen: 1.06 ug/l
RT: 12.330 min Scan# 1724
Delta R.T. -0.001 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion:105 Resp: 361
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#

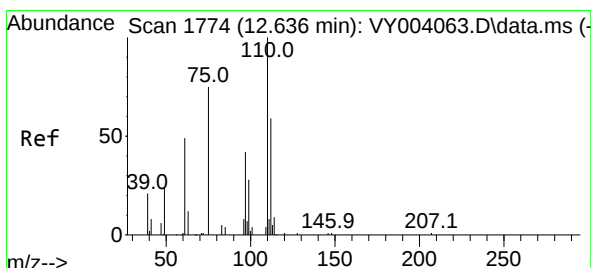
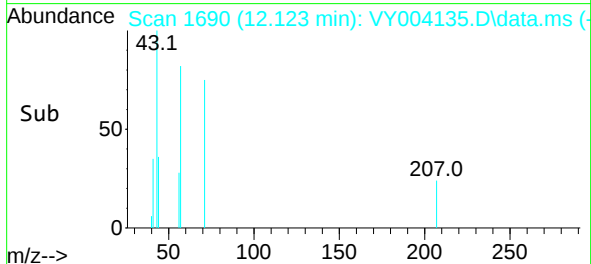
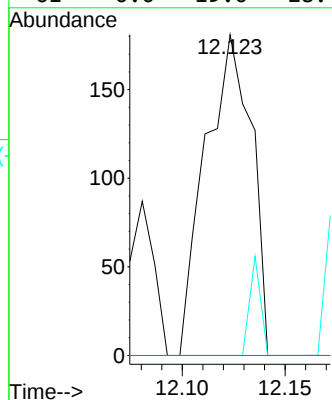
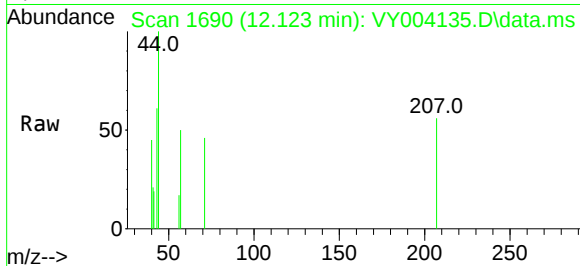




#74
N-amy1 acetate
Concen: 2.90 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

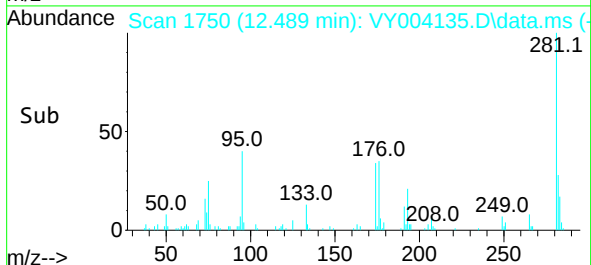
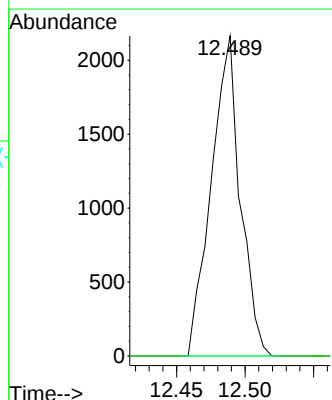
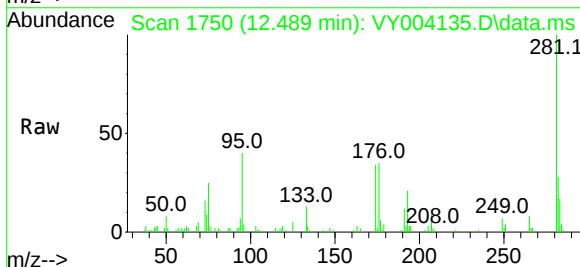
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

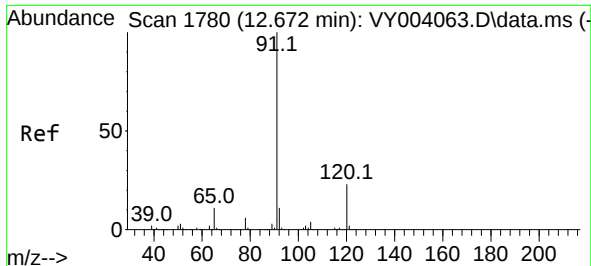
Tgt Ion: 43	Resp: 282
Ion Ratio	Lower Upper
43 100	
70 0.0	32.3 48.5#
55 7.1	18.4 27.6#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 67.87 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 75	Resp: 3181
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

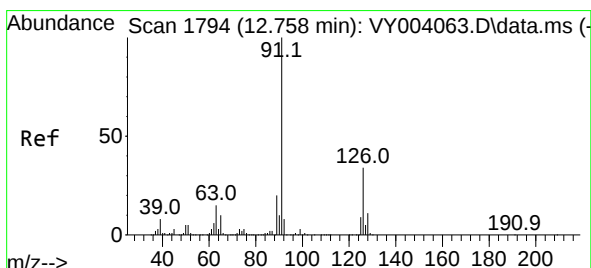
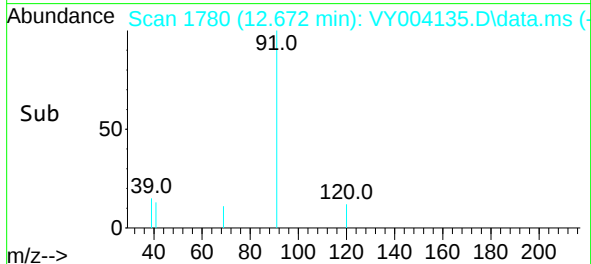
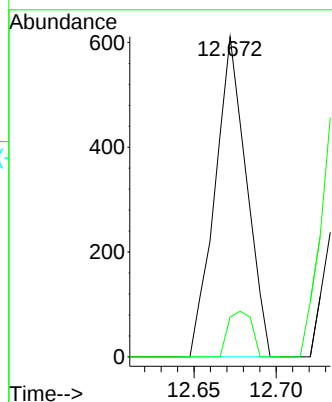
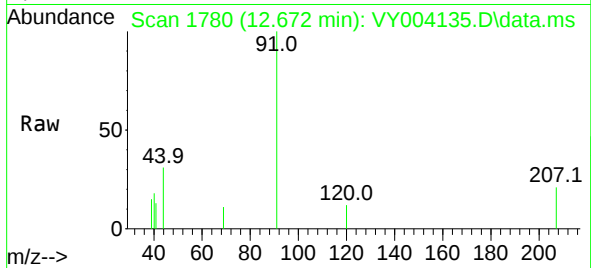




#78
n-propylbenzene
Concen: 2.03 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

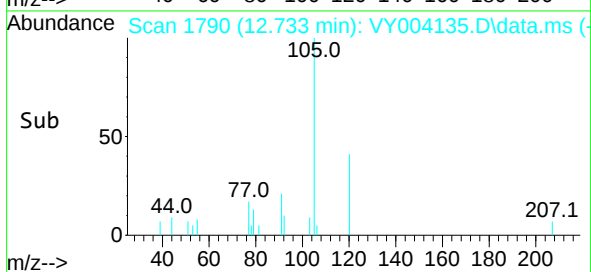
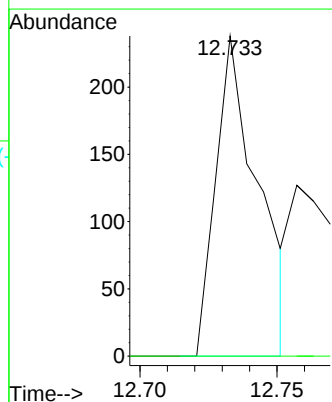
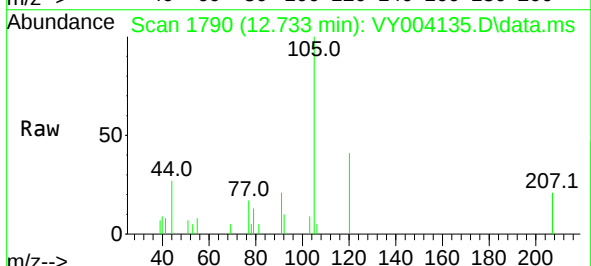
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

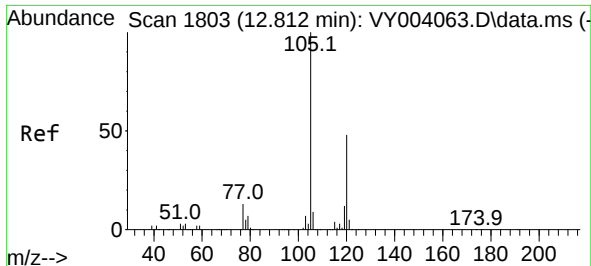
Tgt Ion: 91 Resp: 811
Ion Ratio Lower Upper
91 100
120 10.7 11.3 33.9#



#79
2-Chlorotoluene
Concen: 1.13 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.025 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 91 Resp: 255
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

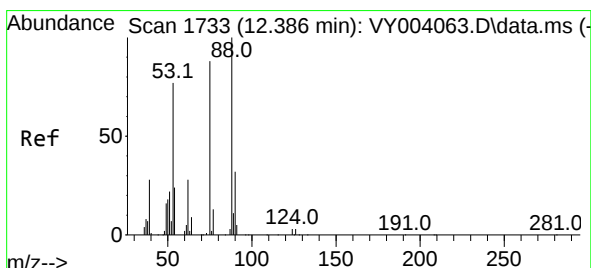
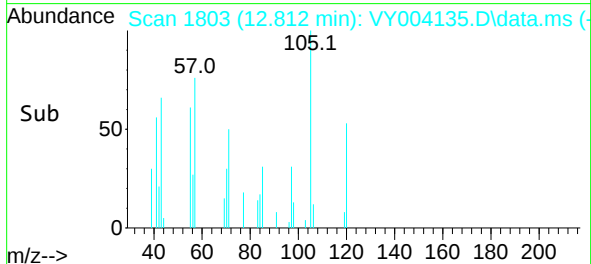
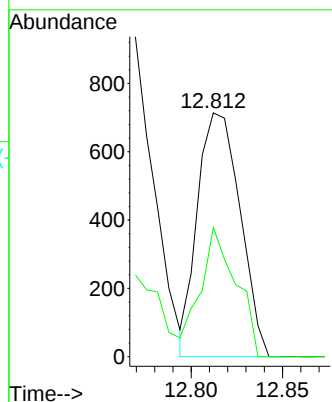
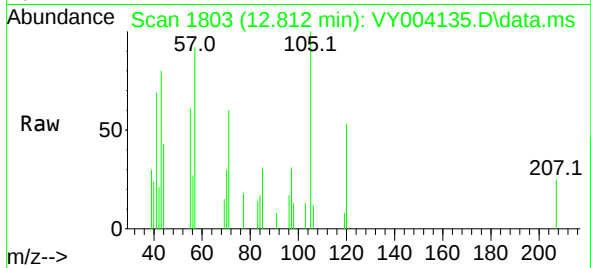




#80
1,3,5-Trimethylbenzene
Concen: 4.01 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

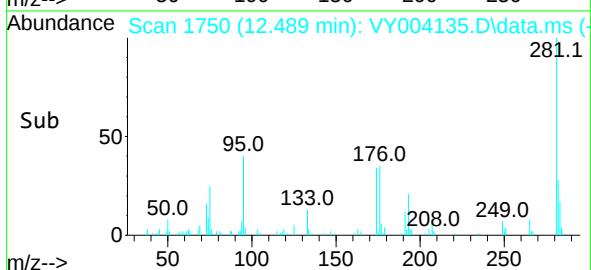
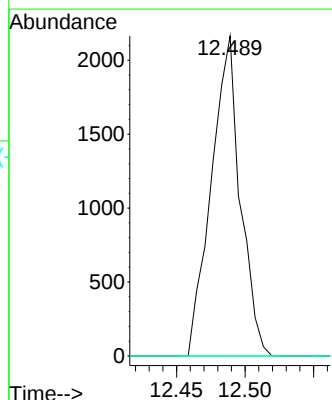
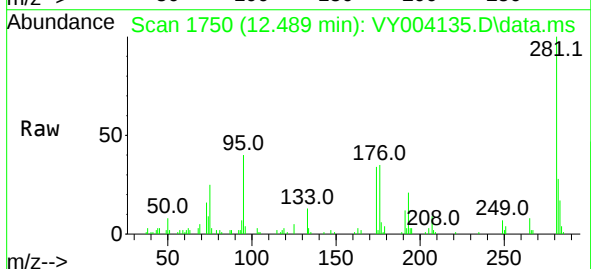
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

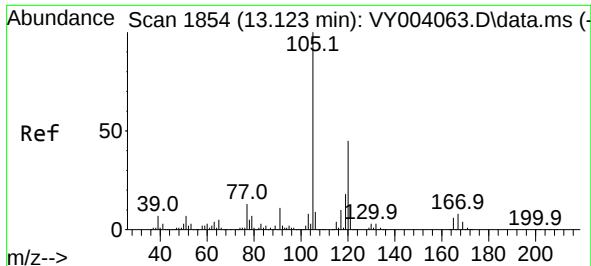
Tgt Ion:105 Resp: 1155
Ion Ratio Lower Upper
105 100
120 44.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 133.95 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion: 75 Resp: 3181
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.0 35.7 53.5#

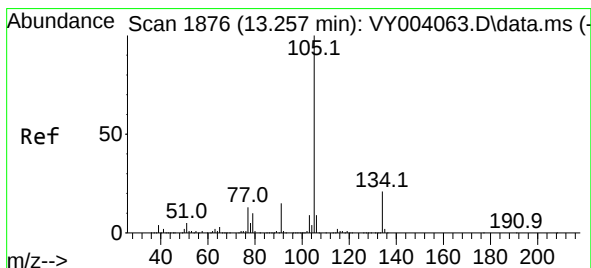
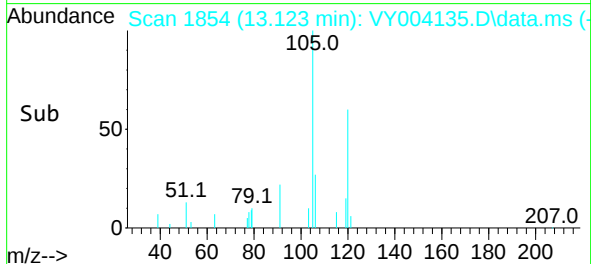
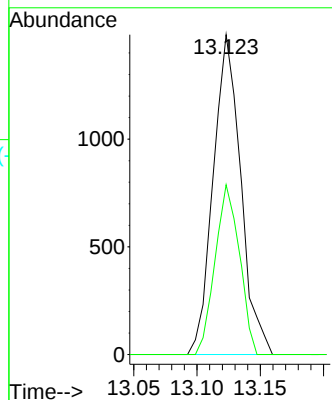
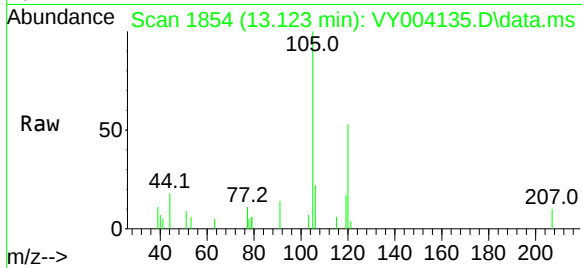




#84
1,2,4-Trimethylbenzene
Concen: 7.78 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

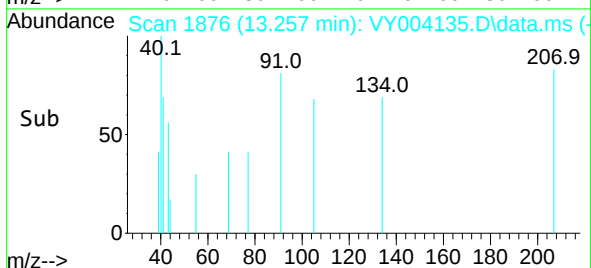
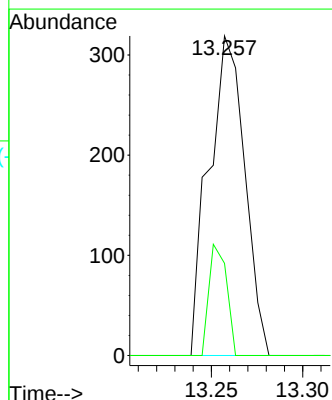
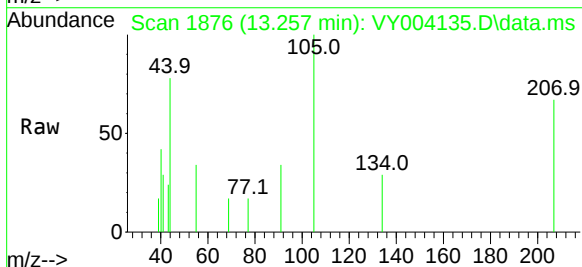
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

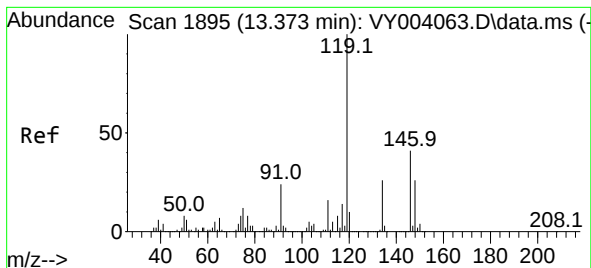
Tgt Ion:105 Resp: 2245
Ion Ratio Lower Upper
105 100
120 46.9 22.1 66.3



#85
sec-Butylbenzene
Concen: 1.28 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion:105 Resp: 436
Ion Ratio Lower Upper
105 100
134 17.0 10.2 30.4

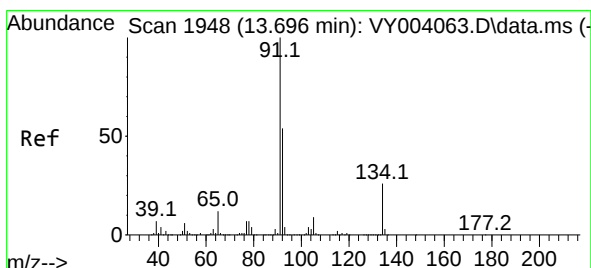
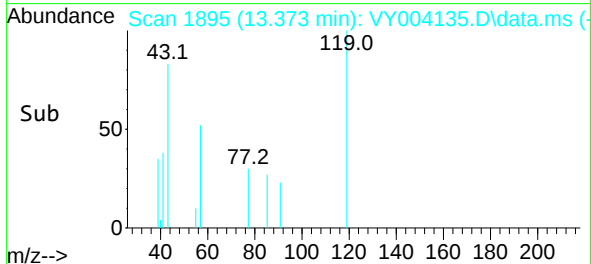
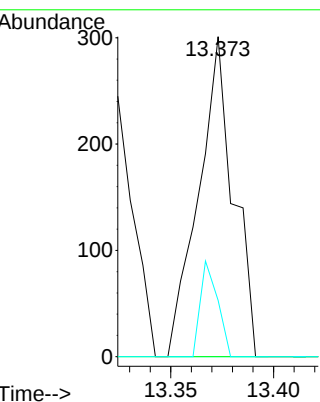
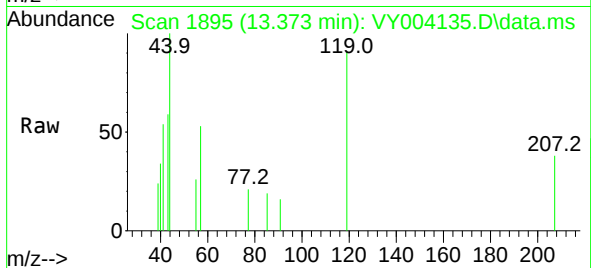




#86
p-Isopropyltoluene
Concen: 1.12 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

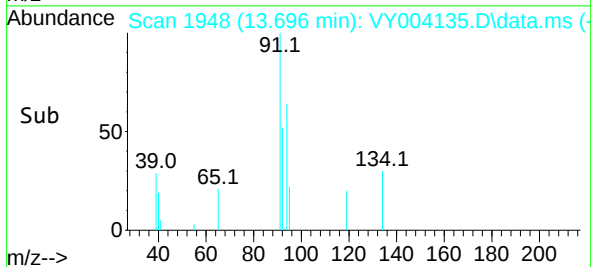
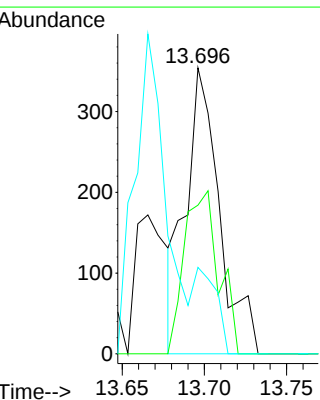
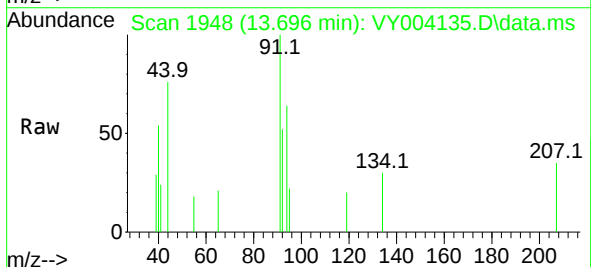
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

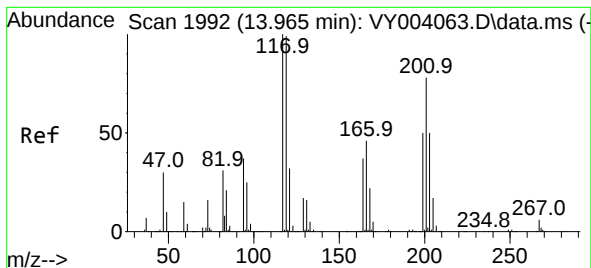
Tgt Ion:	119	Resp:	354
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.2	39.5#
91	14.7	12.1	36.3



#89
n-Butylbenzene
Concen: 1.68 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion:	91	Resp:	506
Ion	Ratio	Lower	Upper
91	100		
92	58.3	26.5	79.4
134	0.0	13.2	39.5#

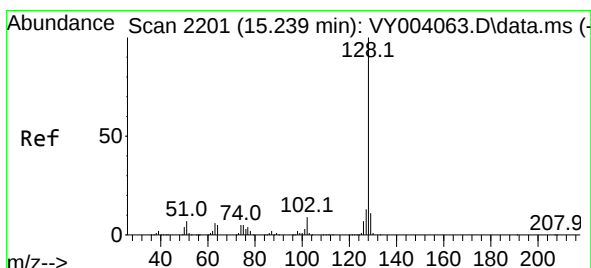
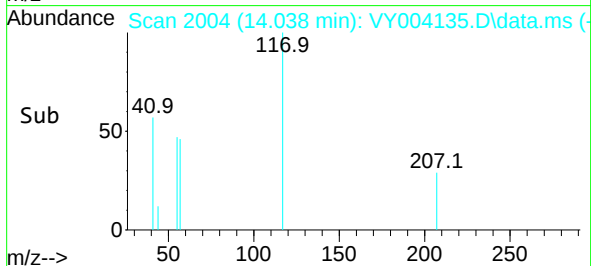
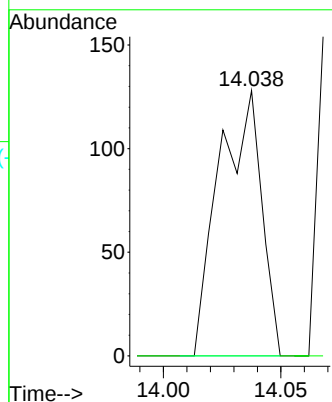
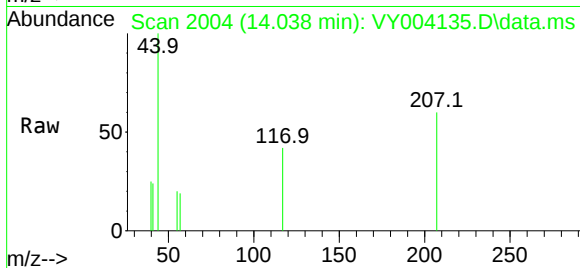




#90
Hexachloroethane
Concen: 2.81 ug/l
RT: 14.038 min Scan# 2004
Delta R.T. 0.072 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

Tgt Ion:117 Resp: 160
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#



#95
Naphthalene
Concen: 1.80 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY004135.D
Acq: 19 Mar 2021 13:38

Tgt Ion:128 Resp: 325
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

