

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004878.D
 Acq On : 26 May 2021 11:58
 Operator : SY/MD
 Sample : M2500-01RE
 Misc : 4.89G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-052421

Quant Time: May 27 01:14:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

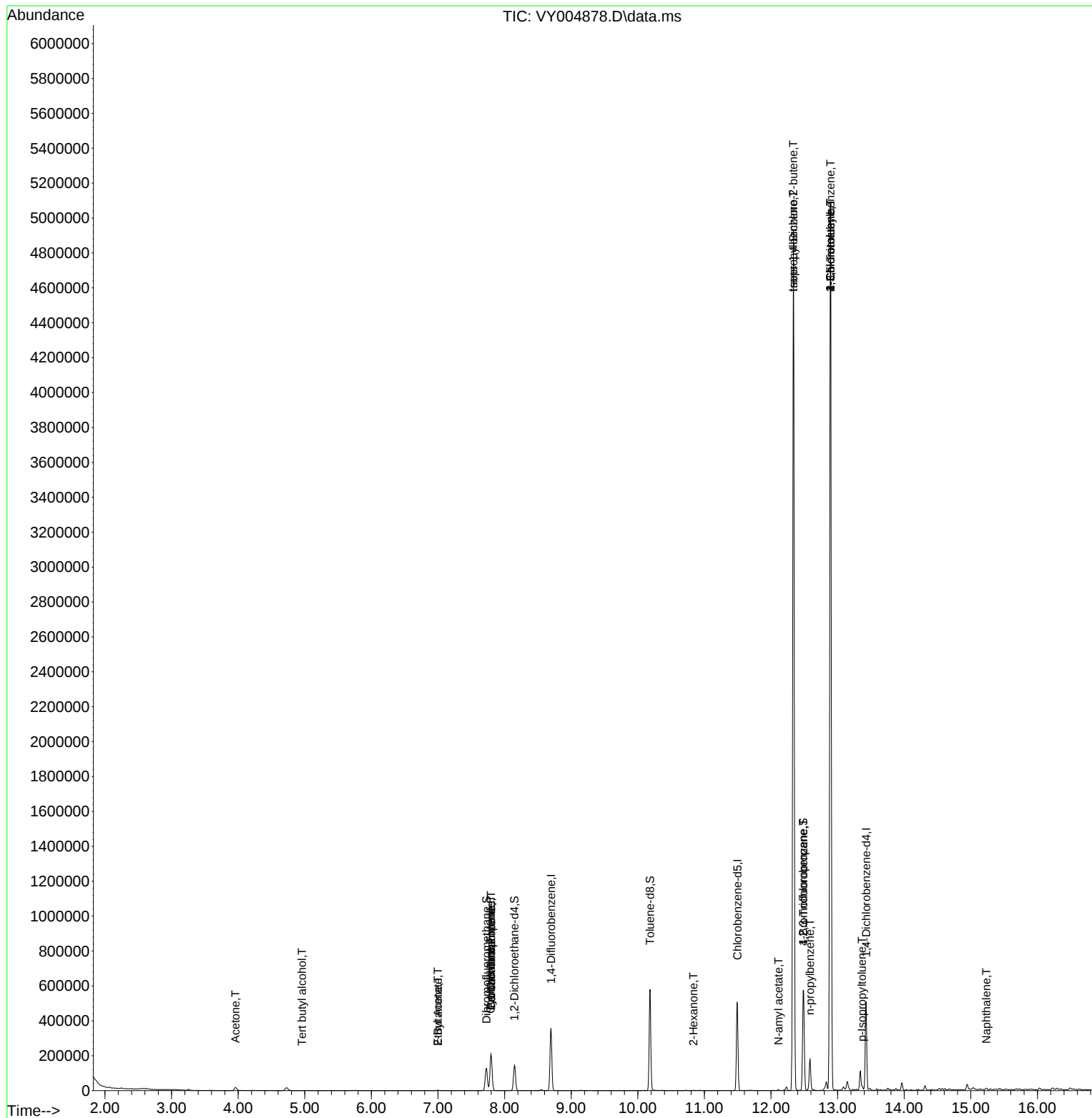
Internal Standards						
1) Pentafluorobenzene	7.795	168	155102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	289462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109470	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	109117	59.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.20%			
35) Dibromofluoromethane	7.728	113	89527	56.50	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.00%			
50) Toluene-d8	10.185	98	357174	49.90	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.80%			
62) 4-Bromofluorobenzene	12.483	95	115810	47.93	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.86%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	224	1.21	ug/l #	71
16) Acetone	3.960	43	32486	78.34	ug/l	100
20) Methylene Chloride	4.728	84	11954	Below Cal		92
25) 2-Butanone	6.996	43	4565	6.20	ug/l	96
31) Cyclohexane	7.789	56	3862	1.29	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13148	4.43	ug/l #	50
37) Ethyl Acetate	6.996	43	4565	2.25	ug/l #	72
38) Carbon Tetrachloride	7.795	117	15990	6.00	ug/l #	16
59) 2-Hexanone	10.837	43	1678	1.22	ug/l	92
73) Isopropylbenzene	12.337	105	178795	21.65	ug/l #	59
74) N-amyl acetate	12.111	43	3548	1.22	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	65890	56.67	ug/l #	100
78) n-propylbenzene	12.587	91	17485	1.73	ug/l #	57
79) 2-Chlorotoluene	12.892	91	542731	98.14	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.892	105	56666	8.26	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.337	75	6283	9.37	ug/l #	1
82) 4-Chlorotoluene	12.892	91	542731	94.50	ug/l #	41
86) p-Isopropyltoluene	13.367	119	11853	1.61	ug/l #	75
95) Naphthalene	15.233	128	5727	1.27	ug/l	97

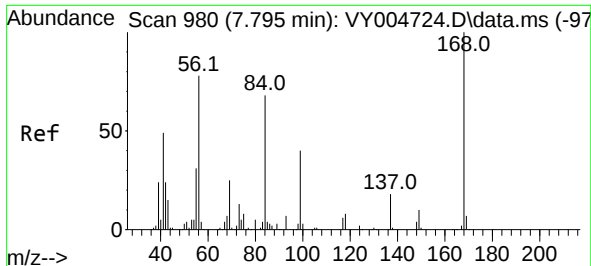
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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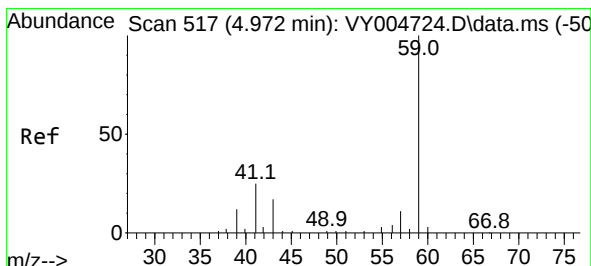
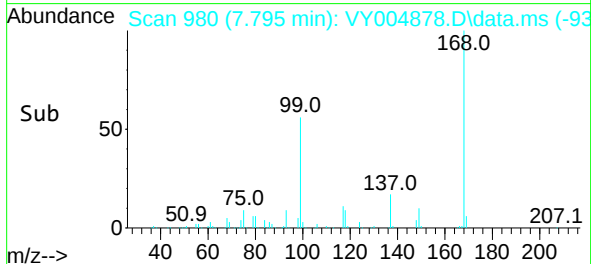
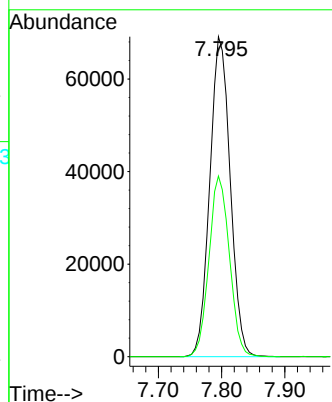
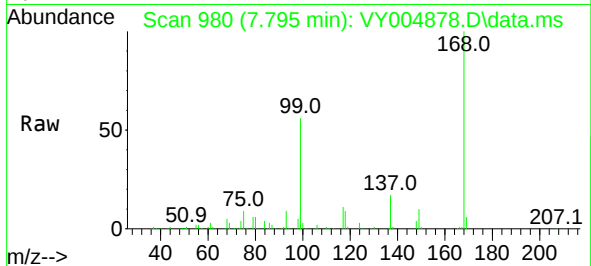




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

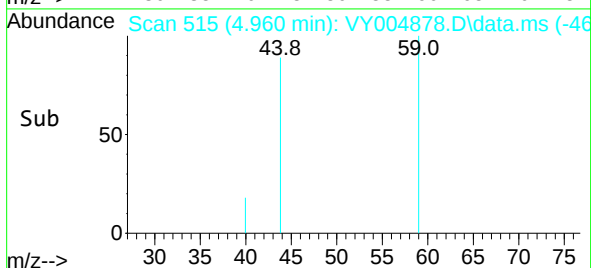
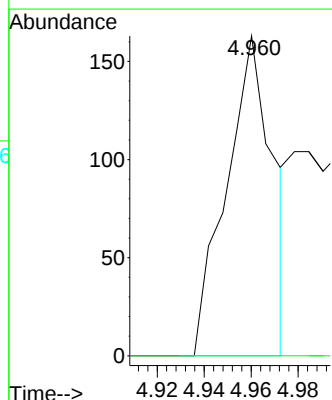
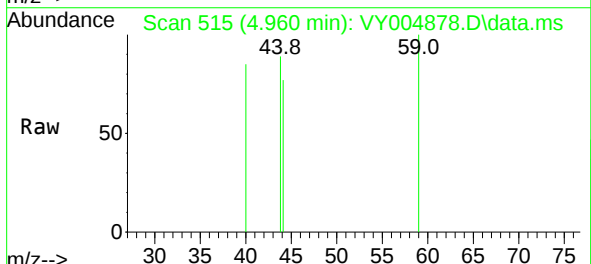
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

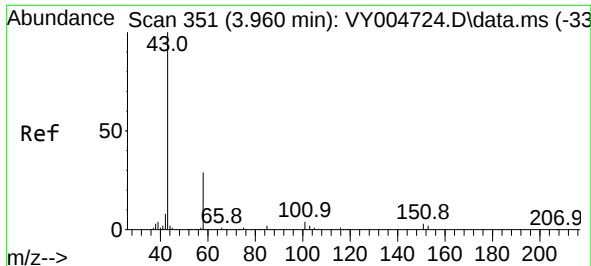
Tgt Ion:168 Resp: 155102
Ion Ratio Lower Upper
168 100
99 56.5 45.6 68.4



#11
Tert butyl alcohol
Concen: 1.21 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

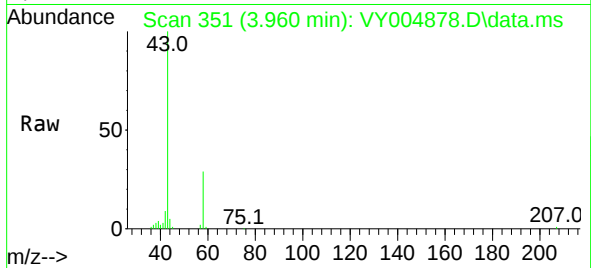
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



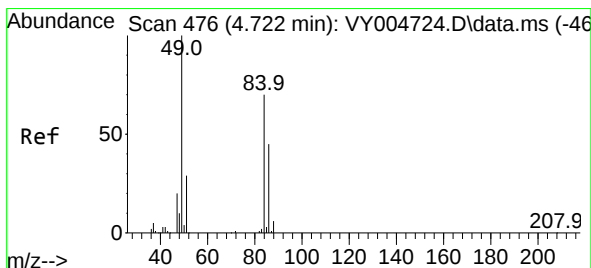
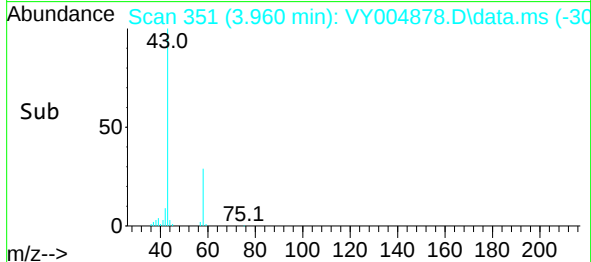
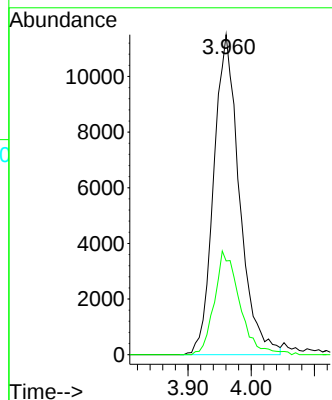


#16
Acetone
Concen: 78.34 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

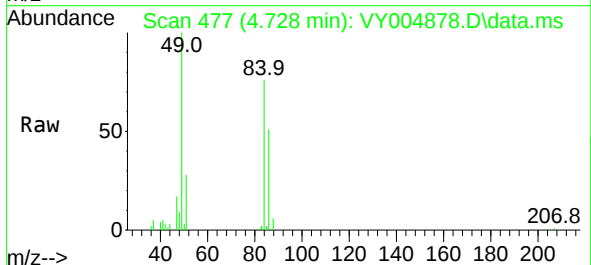
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421



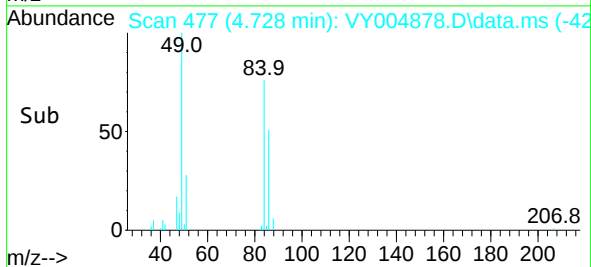
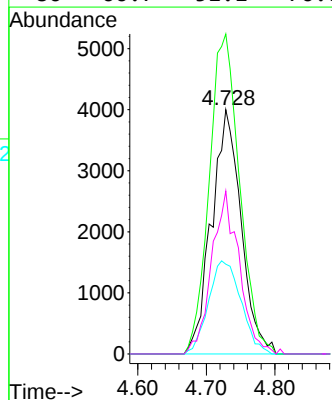
Tgt Ion: 43 Resp: 32486
Ion Ratio Lower Upper
43 100
58 29.3 23.6 35.4

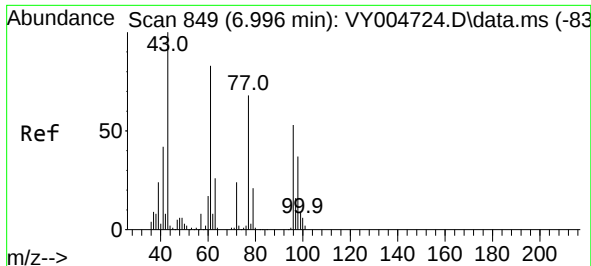


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58



Tgt Ion: 84 Resp: 11954
Ion Ratio Lower Upper
84 100
49 131.0 113.8 170.8
51 36.8 33.5 50.3
86 66.7 51.1 76.7





#25

2-Butanone

Concen: 6.20 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

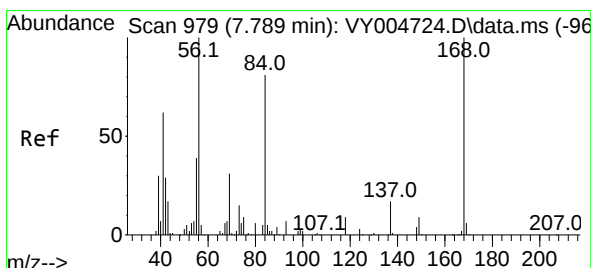
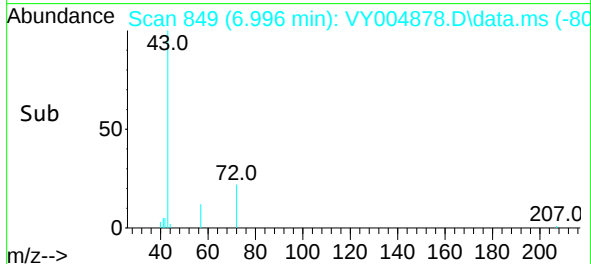
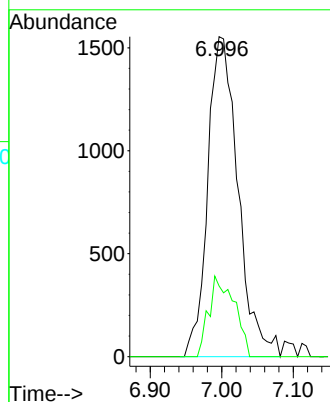
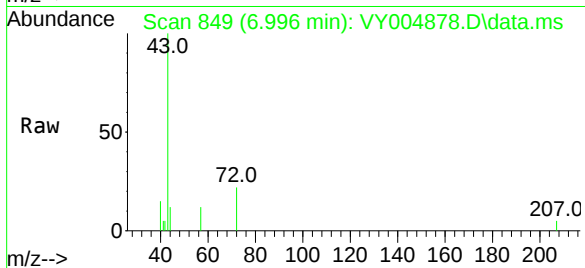
Lab File: VY004878.D

Acq: 26 May 2021 11:58

Tgt Ion: 43 Resp: 4565

Ion Ratio Lower Upper

43	100		
72	22.1	19.4	29.0



#31

Cyclohexane

Concen: 1.29 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

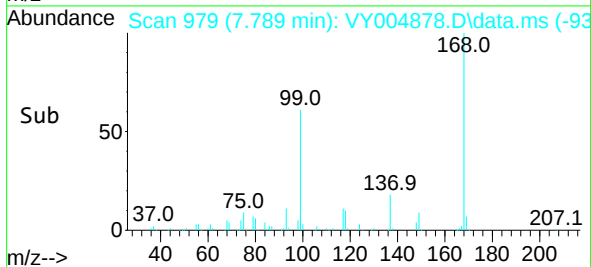
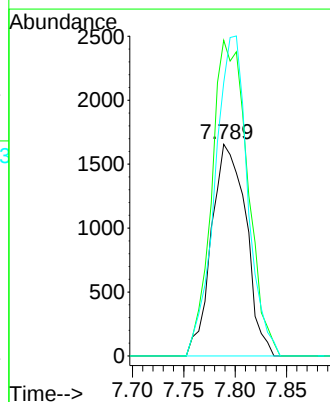
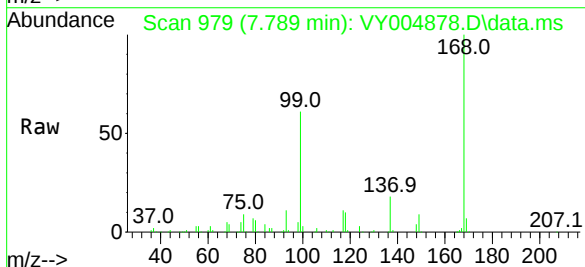
Lab File: VY004878.D

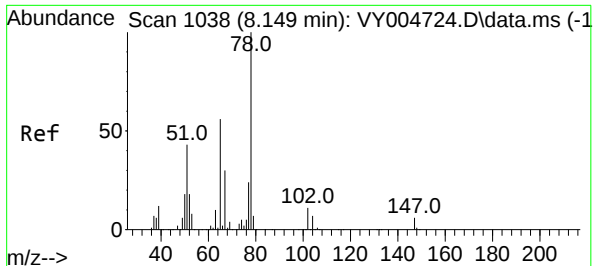
Acq: 26 May 2021 11:58

Tgt Ion: 56 Resp: 3862

Ion Ratio Lower Upper

56	100		
69	149.1	24.4	36.6#
84	129.1	64.8	97.2#

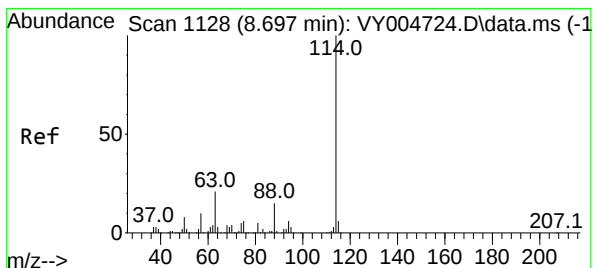
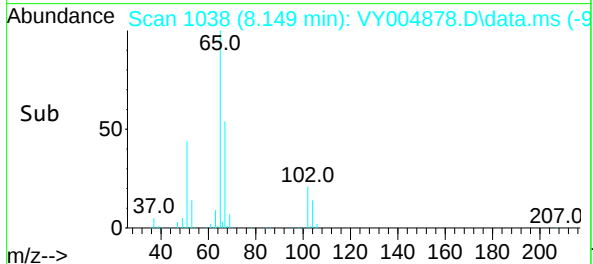
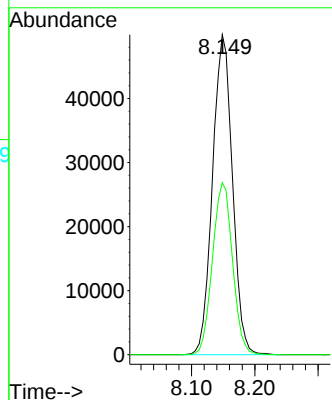
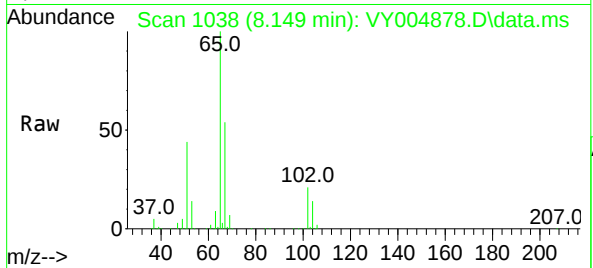




#33
1,2-Dichloroethane-d4
Concen: 59.10 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

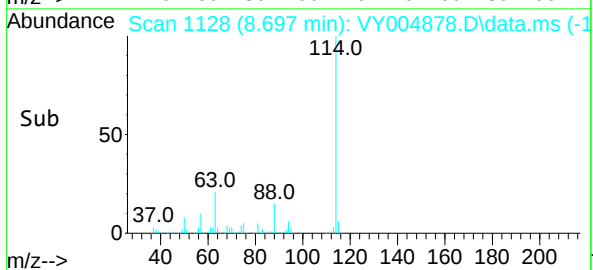
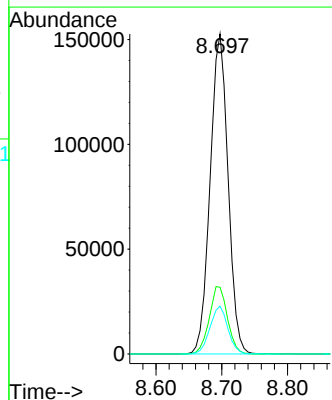
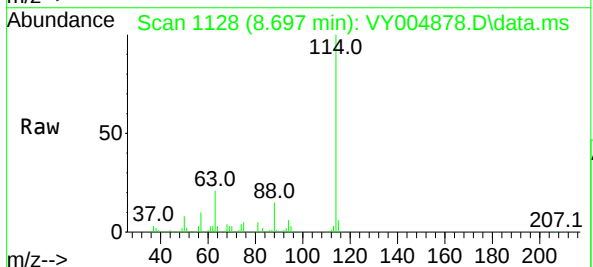
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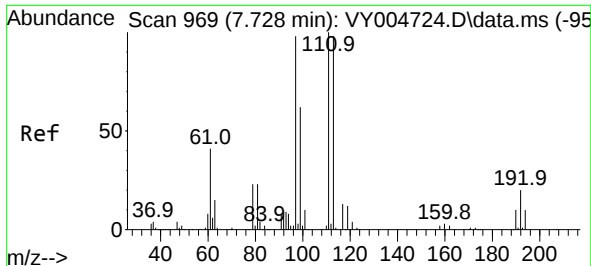
Tgt Ion: 65 Resp: 109117
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 114 Resp: 289462
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.8
88 15.0 0.0 31.0

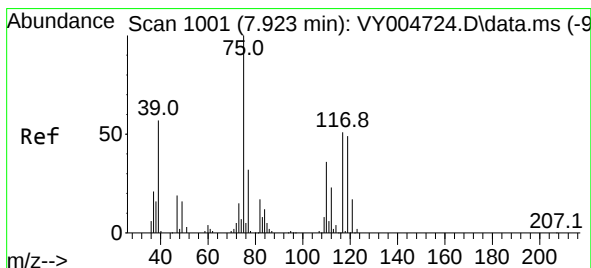
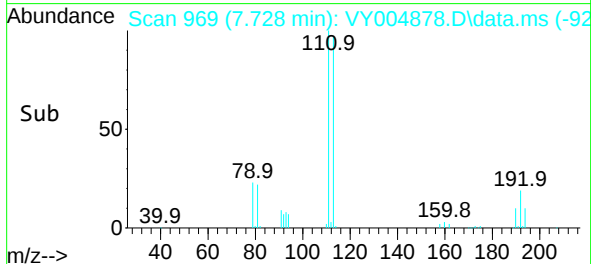
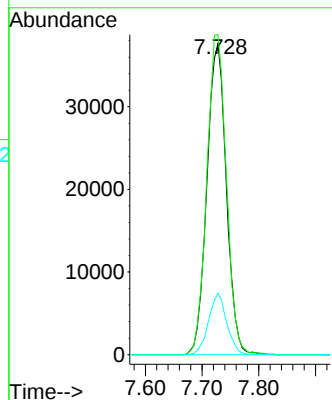
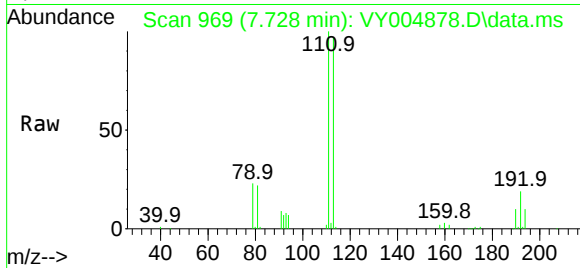




#35
Dibromofluoromethane
Concen: 56.50 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

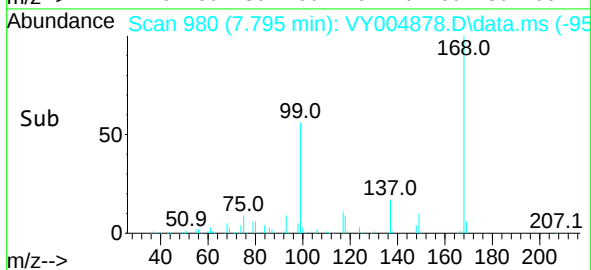
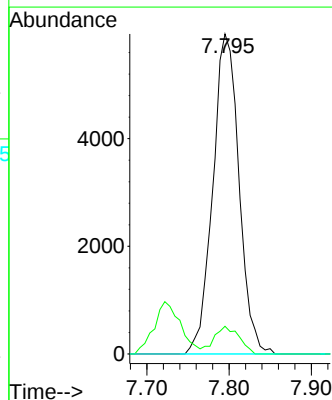
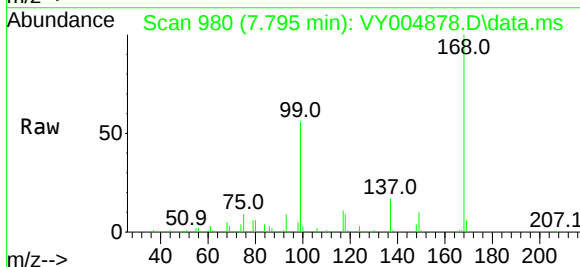
Instrument :
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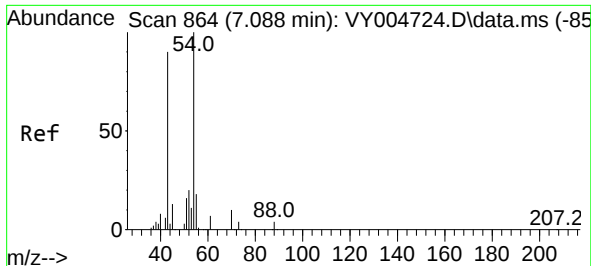
Tgt Ion:	113	Resp:	89527
Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.5	120.7
192	18.5	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.43 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion:	75	Resp:	13148
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 2.25 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.092 min

Lab File: VY004878.D

Acq: 26 May 2021 11:58

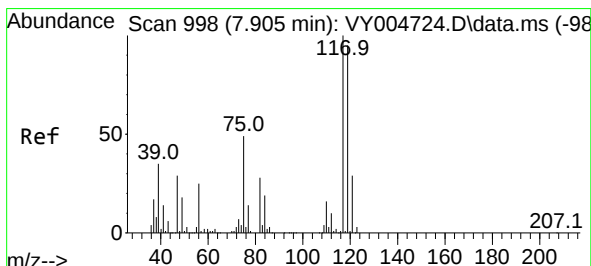
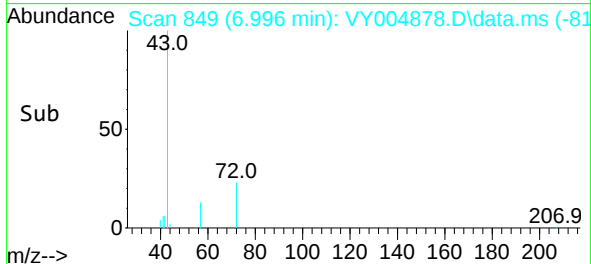
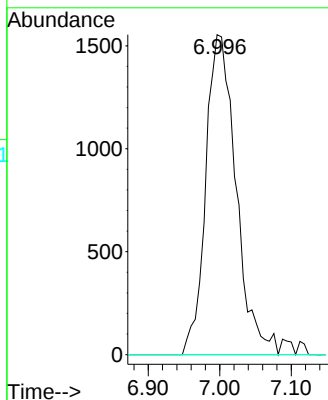
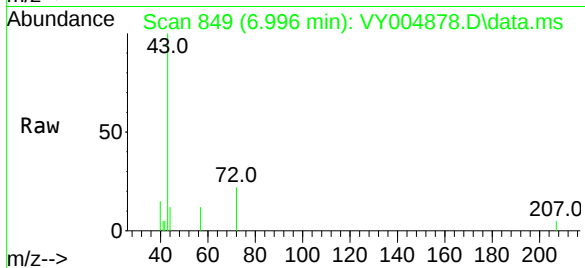
Instrument :

MSVOA_Y

ClientSampleId :

NB-08-052421

Tgt Ion:	43	Resp:	4565
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	6.7	10.1#



#38

Carbon Tetrachloride

Concen: 6.00 ug/l

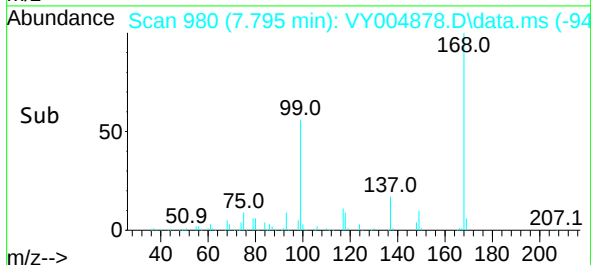
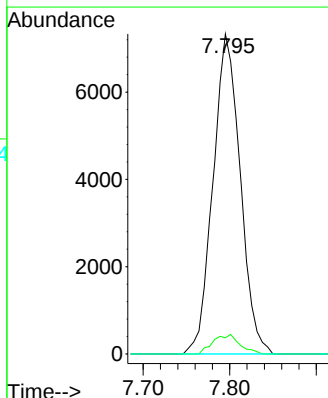
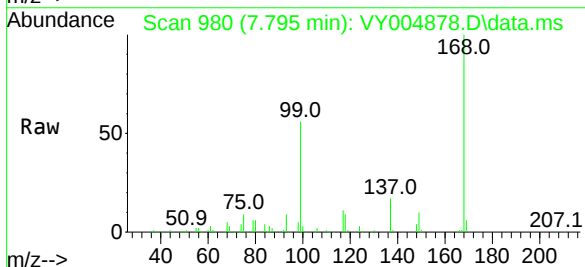
RT: 7.795 min Scan# 980

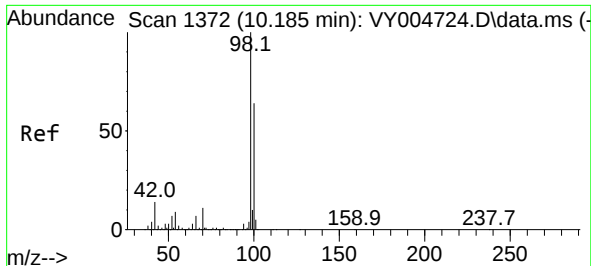
Delta R.T. -0.110 min

Lab File: VY004878.D

Acq: 26 May 2021 11:58

Tgt Ion:	117	Resp:	15990
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.3	114.5#
121	0.0	23.0	34.6#

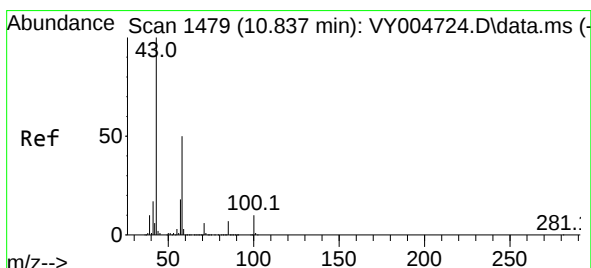
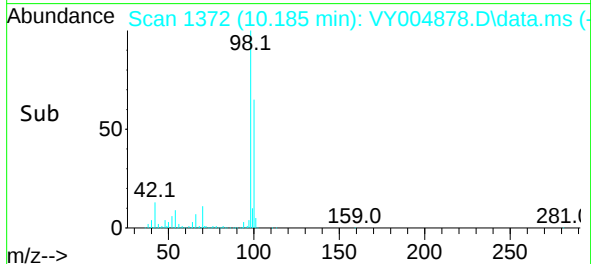
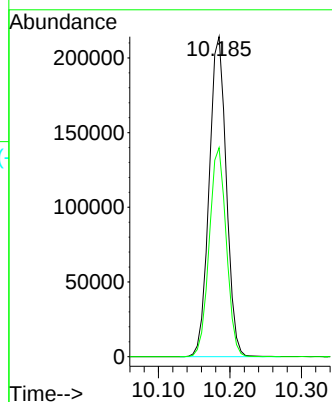
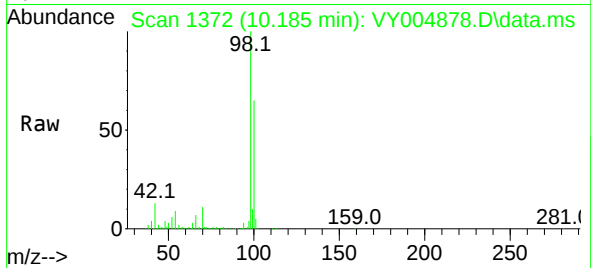




#50
Toluene-d8
Concen: 49.90 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

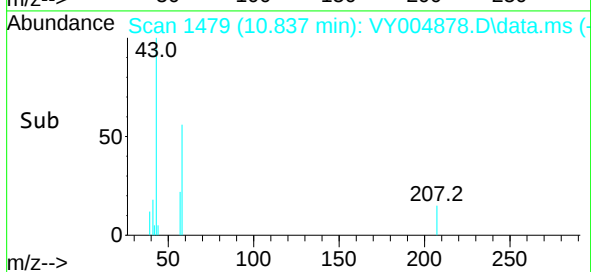
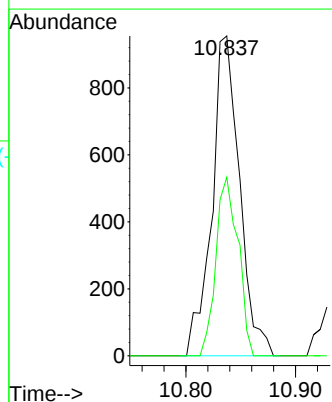
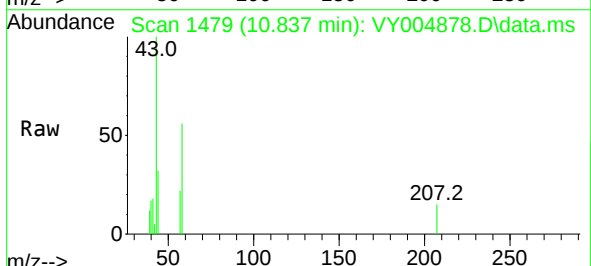
Instrument :
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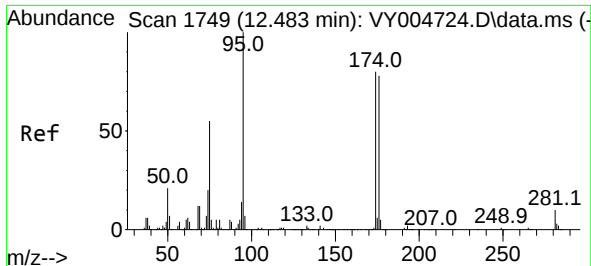
Tgt Ion: 98 Resp: 357174
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#59
2-Hexanone
Concen: 1.22 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
58 44.6 24.9 74.8

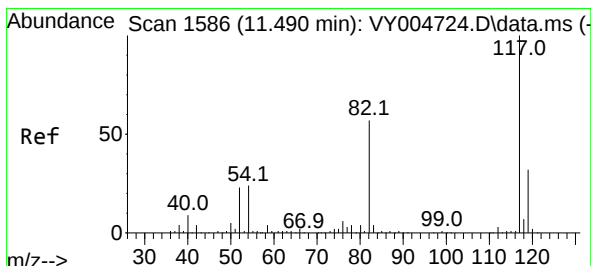
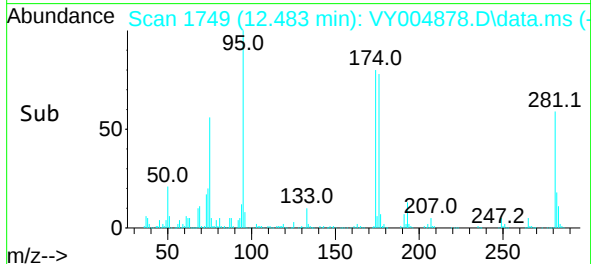
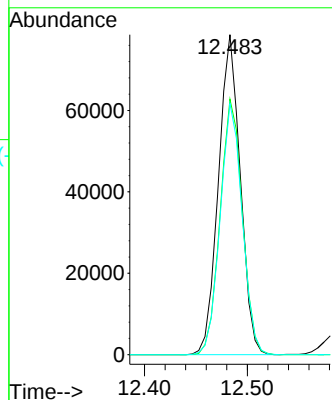
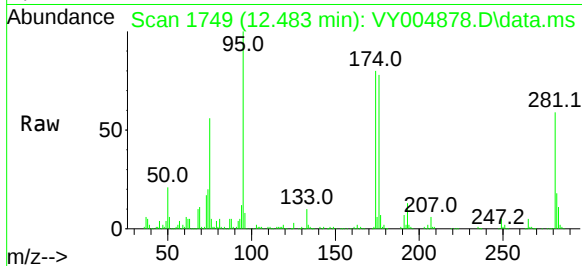




#62
4-Bromofluorobenzene
Concen: 47.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

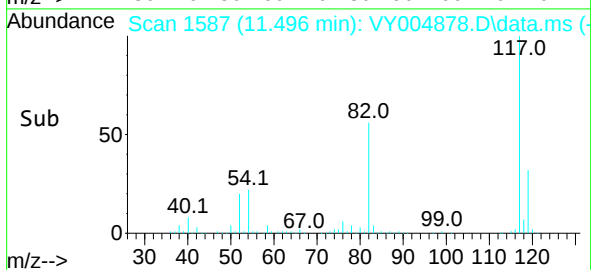
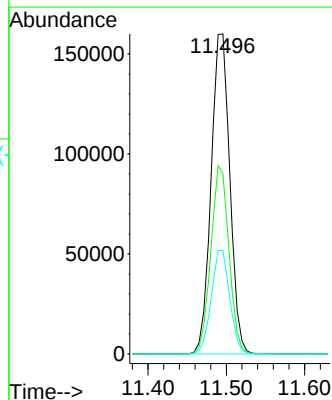
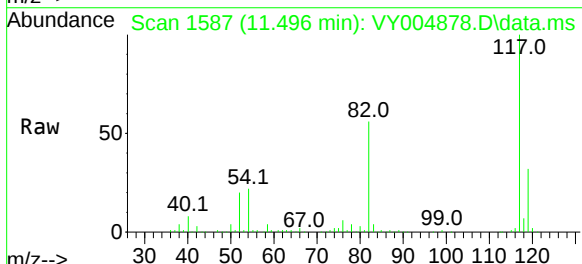
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

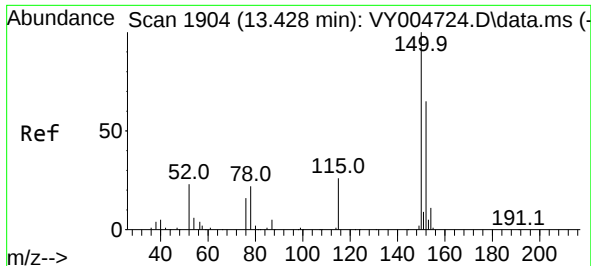
Tgt Ion: 95 Resp: 115810
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.2
176 79.2 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 117 Resp: 265381
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.2
119 32.3 25.8 38.6

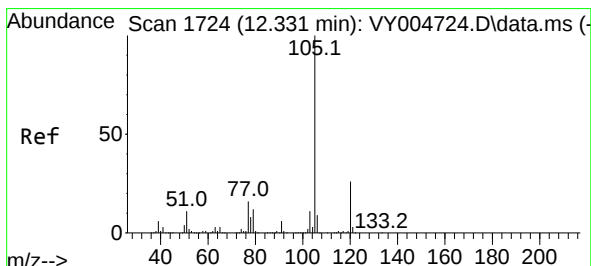
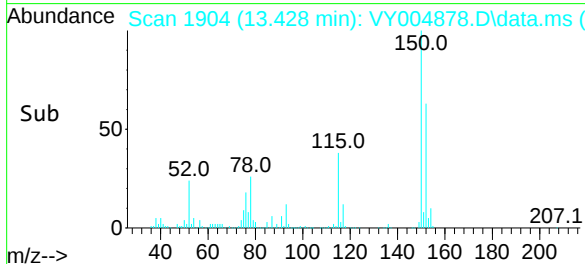
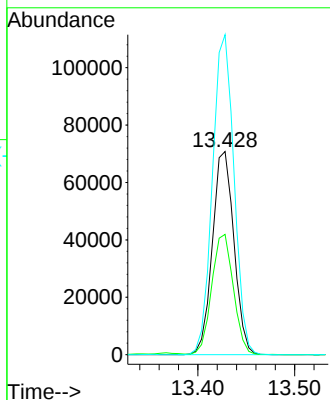
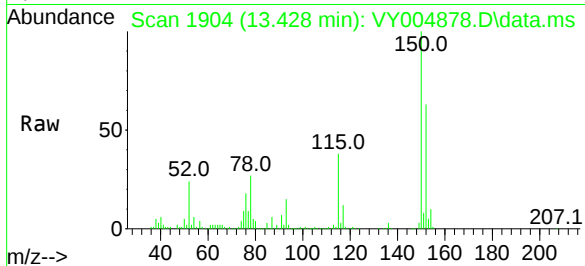




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

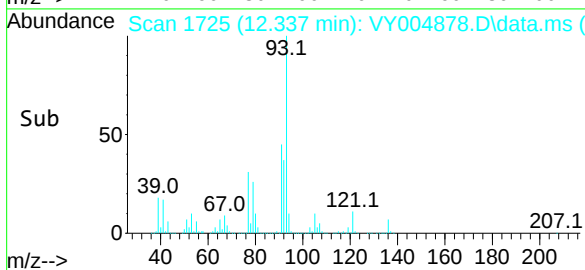
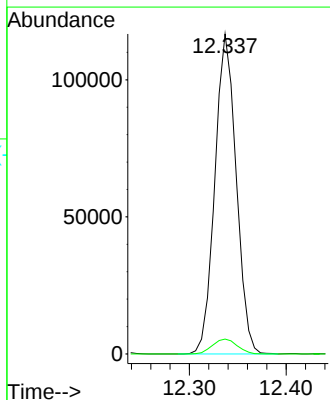
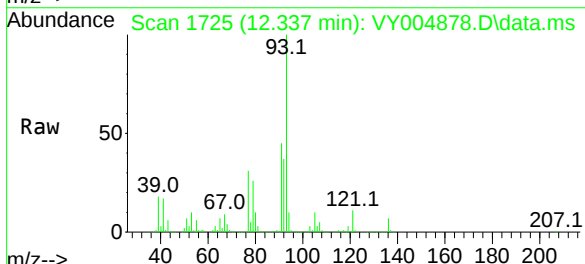
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

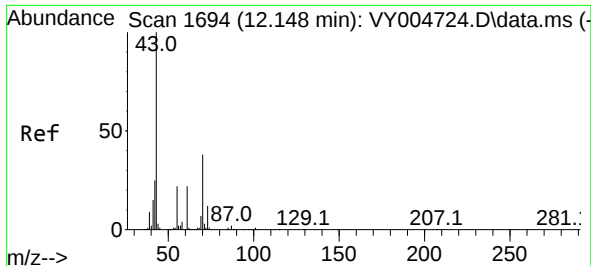
Tgt Ion:152 Resp: 109470
Ion Ratio Lower Upper
152 100
115 59.8 29.4 88.3
150 157.4 0.0 349.8



#73
Isopropylbenzene
Concen: 21.65 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion:105 Resp: 178795
Ion Ratio Lower Upper
105 100
120 5.4 13.1 39.1#

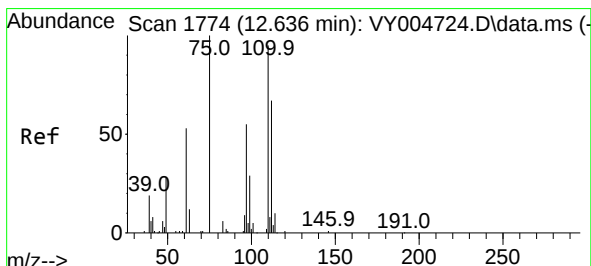
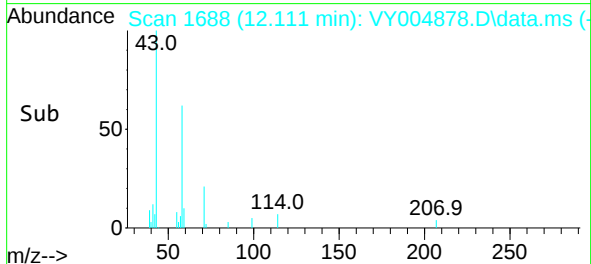
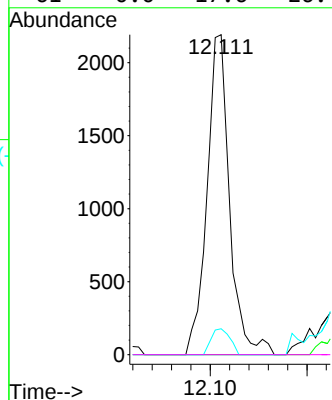
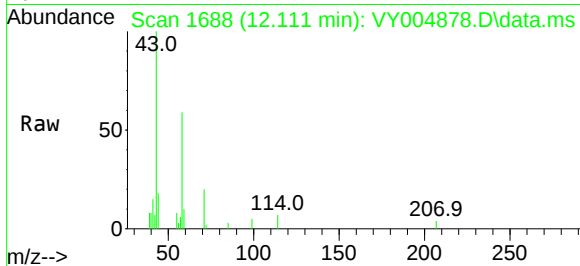




#74
N-amy1 acetate
Concen: 1.22 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

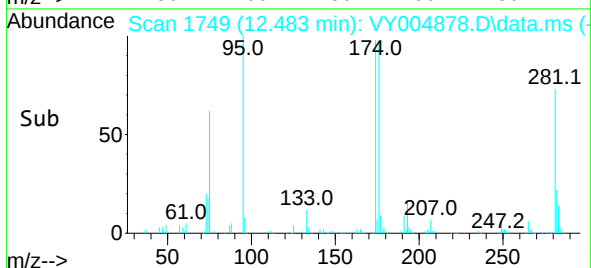
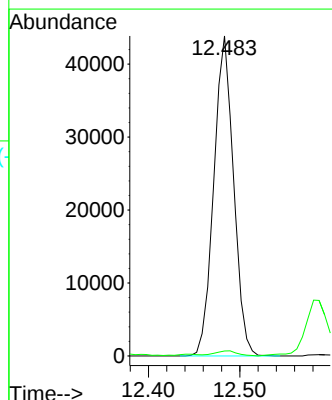
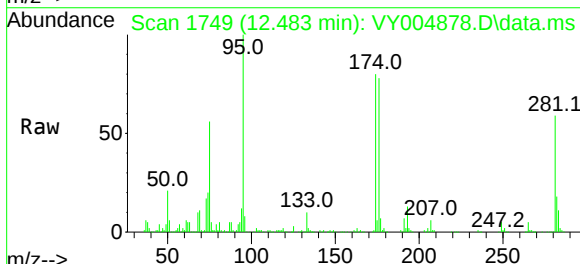
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

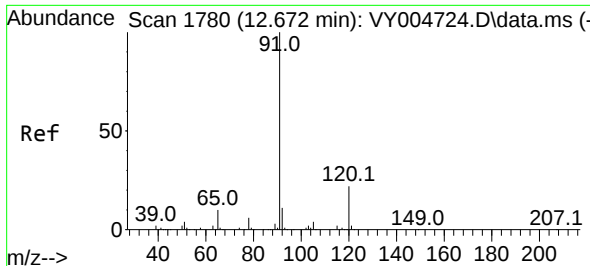
Tgt Ion: 43	Resp: 3548
Ion Ratio	Lower Upper
43 100	
70 0.0	30.2 45.2#
55 0.0	17.8 26.8#
61 0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 56.67 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 75	Resp: 65890
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

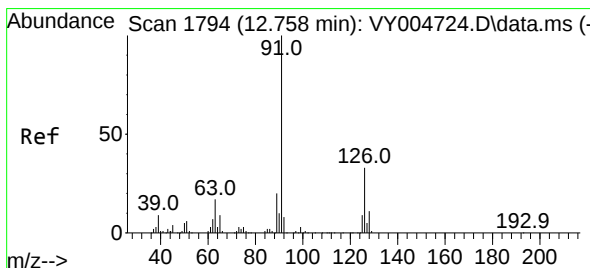
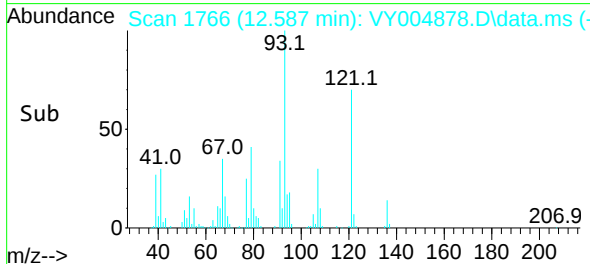
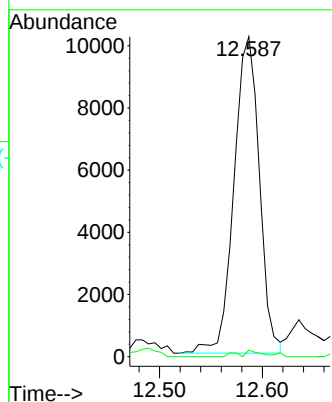
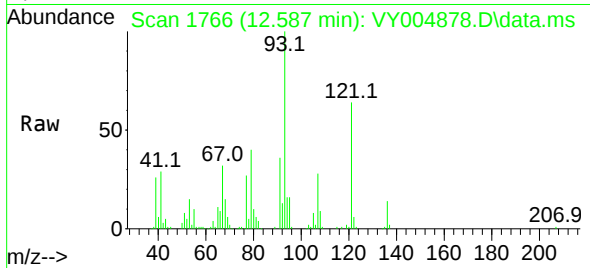




#78
n-propylbenzene
Concen: 1.73 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.085 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

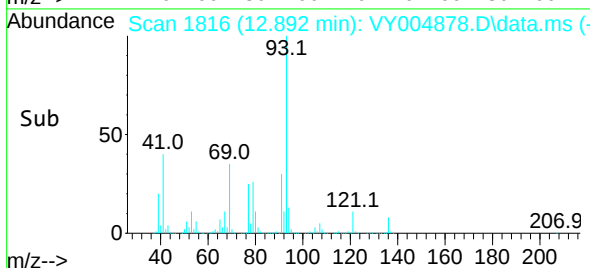
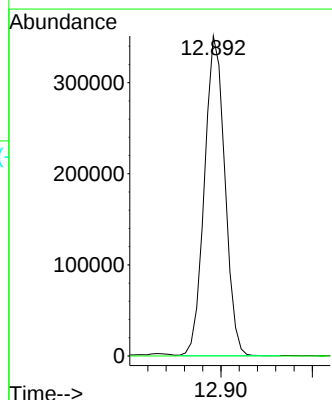
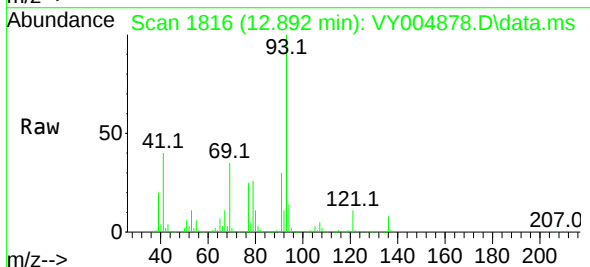
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

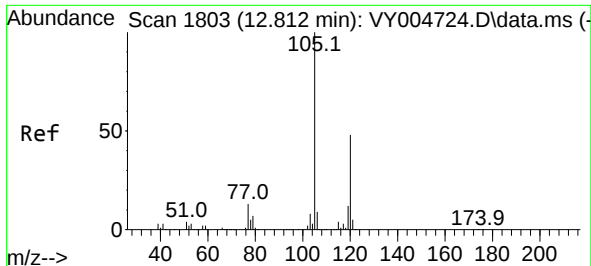
Tgt Ion: 91 Resp: 17485
Ion Ratio Lower Upper
91 100
120 1.4 11.1 33.3#



#79
2-Chlorotoluene
Concen: 98.14 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.134 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 91 Resp: 542731
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

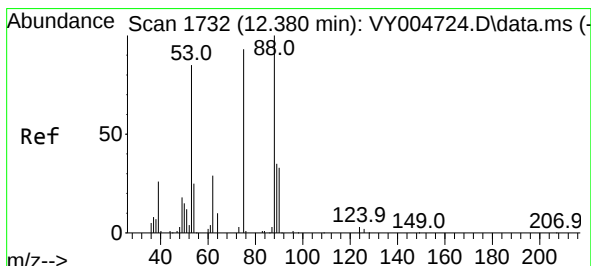
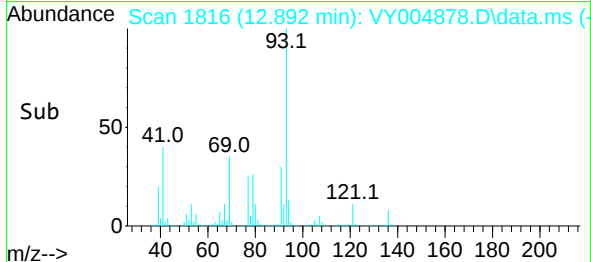
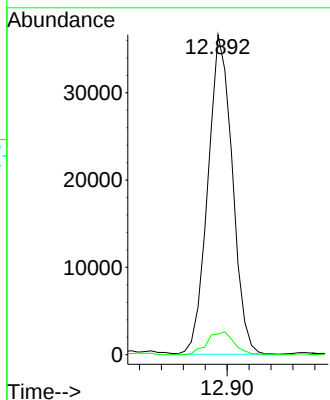
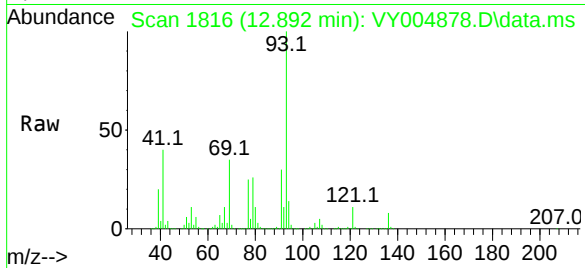




#80
1,3,5-Trimethylbenzene
Concen: 8.26 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.079 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

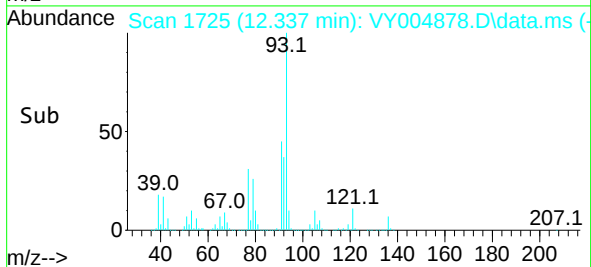
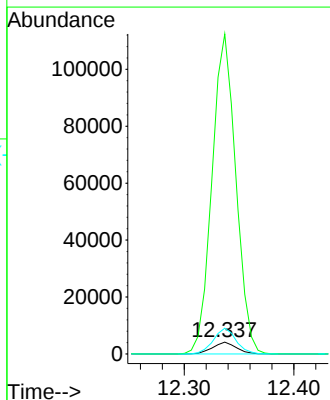
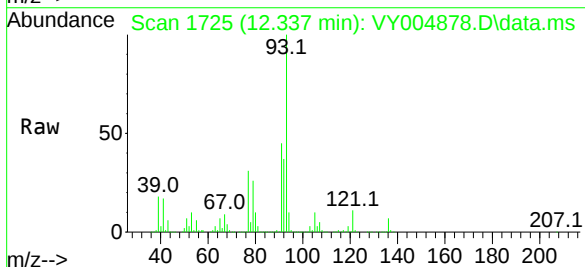
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

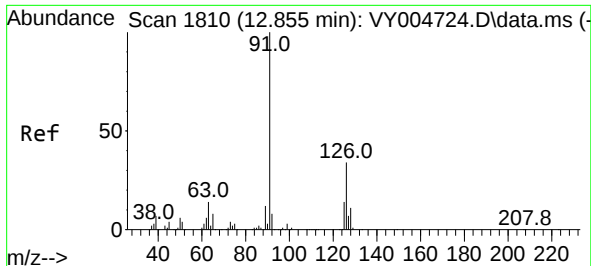
Tgt Ion:105 Resp: 56666
Ion Ratio Lower Upper
105 100
120 7.9 24.0 72.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 9.37 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. -0.043 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

Tgt Ion: 75 Resp: 6283
Ion Ratio Lower Upper
75 100
53 2710.6 73.9 110.9#
89 208.9 35.5 53.3#

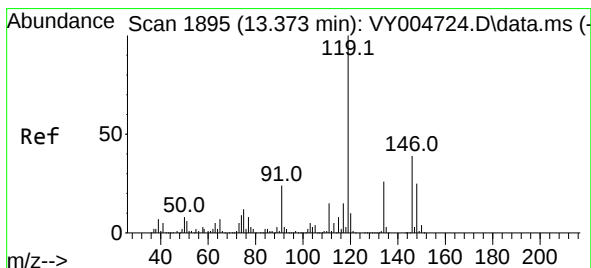
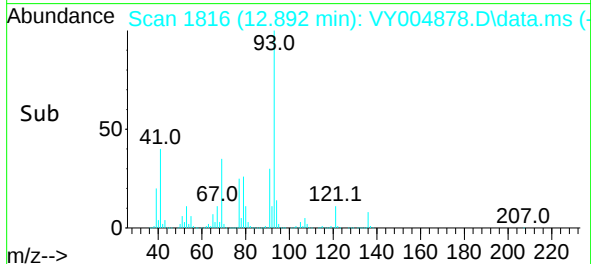
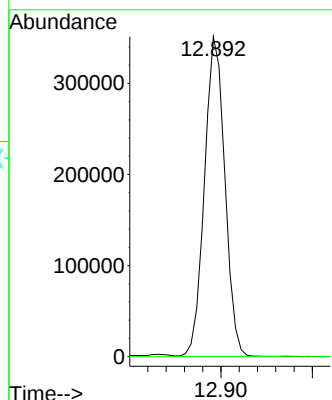
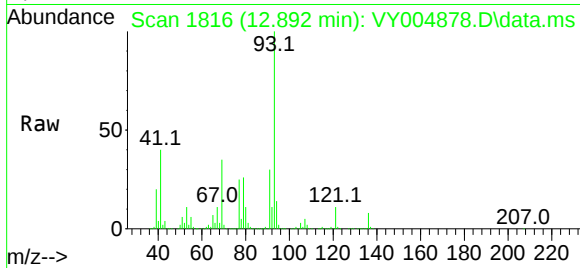




#82
4-Chlorotoluene
Concen: 94.50 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.037 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

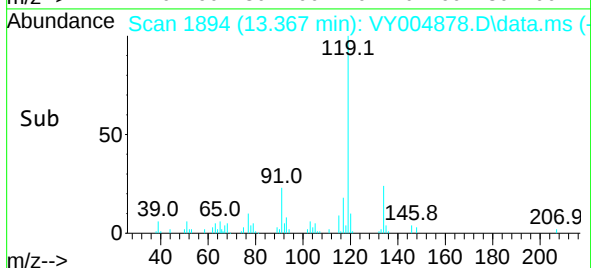
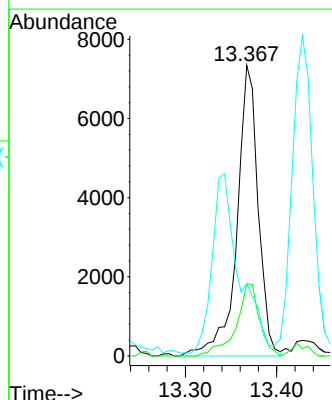
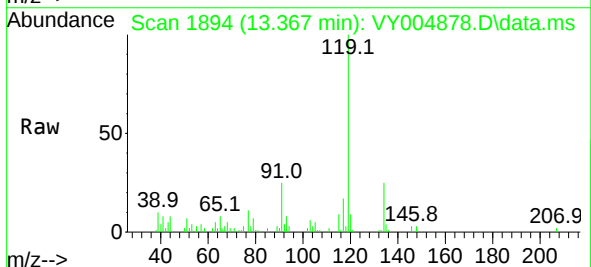
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-052421

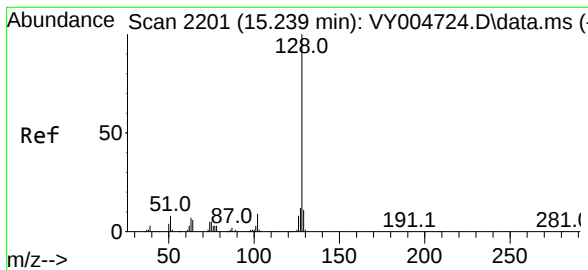
Tgt Ion: 91 Resp: 542731
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#



#86
p-Isopropyltoluene
Concen: 1.61 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY004878.D
Acq: 26 May 2021 11:58

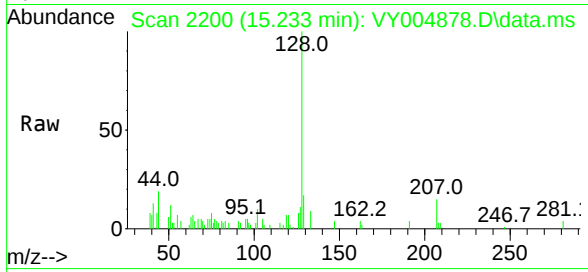
Tgt Ion: 119 Resp: 11853
Ion Ratio Lower Upper
119 100
134 27.5 12.9 38.7
91 0.0 12.0 36.1#





#95
 Naphthalene
 Concen: 1.27 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY004878.D
 Acq: 26 May 2021 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-052421



Tgt Ion:	128	Resp:	5727
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	12.7	8.6	13.0

