

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092321\
 Data File : VY006121.D
 Acq On : 23 Sep 2021 14:01
 Operator : SY/MD
 Sample : M3875-11
 Misc : 4.35G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20883

Quant Time: Sep 24 07:28:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

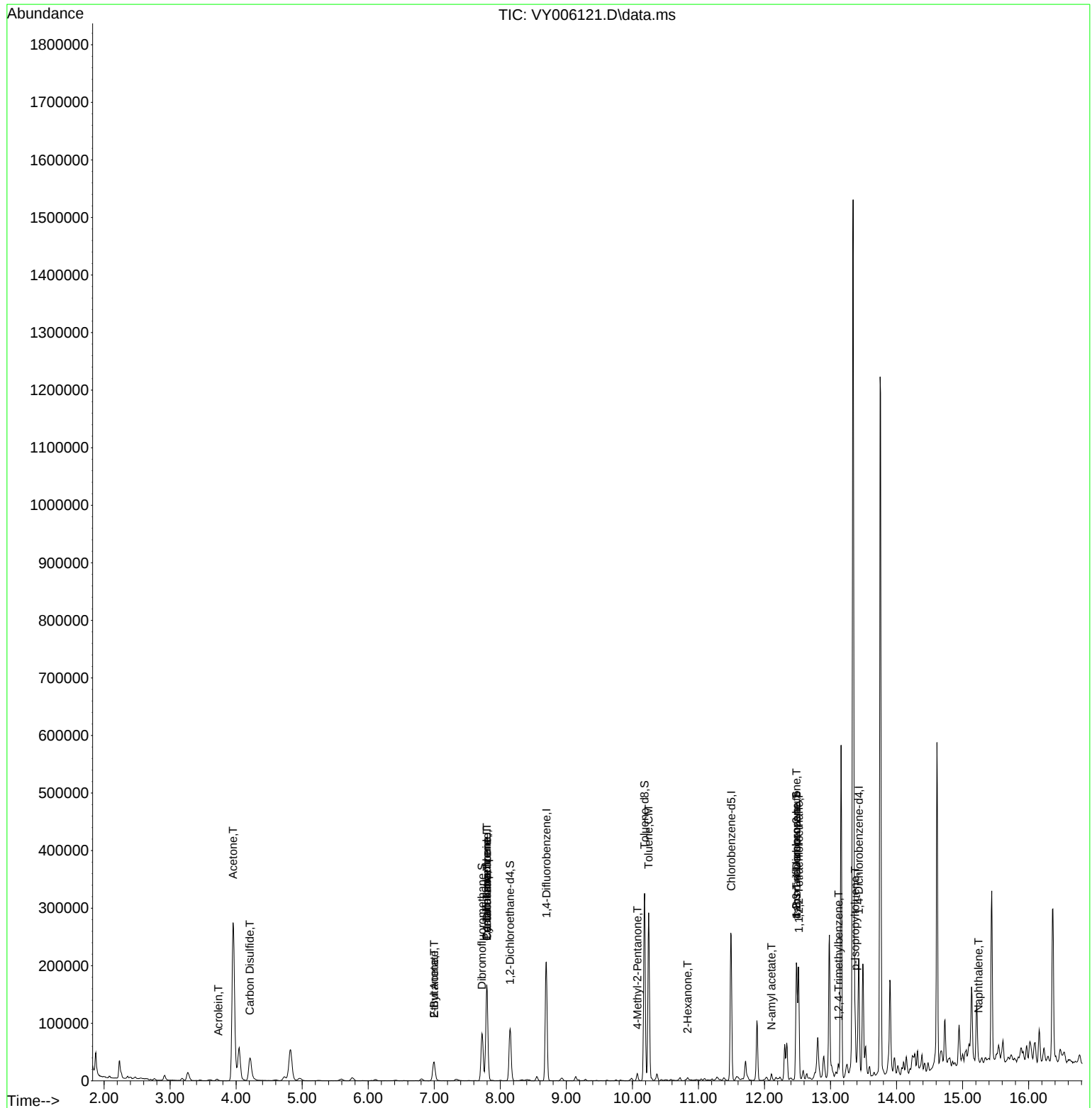
Internal Standards						
1) Pentafluorobenzene	7.795	168	130397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	173011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	134257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74292	41.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.040%
35) Dibromofluoromethane	7.722	113	55551	51.695	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.380%
50) Toluene-d8	10.185	98	206470	45.081	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.160%
62) 4-Bromofluorobenzene	12.483	95	51354	33.025	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	9141	Below Cal	#	91
13) Acrolein	3.729	56	175	1.608	ug/l #	14
16) Acetone	3.954	43	494631	995.635	ug/l	96
17) Carbon Disulfide	4.204	76	18459	4.245	ug/l	96
20) Methylene Chloride	4.741	84	4475	Below Cal	#	80
25) 2-Butanone	6.996	43	55746	81.413	ug/l	92
31) Cyclohexane	7.795	56	3380	1.165	ug/l #	11
36) 1,1-Dichloropropene	7.795	75	9403	5.035	ug/l #	51
37) Ethyl Acetate	6.996	43	55746	43.213	ug/l #	72
38) Carbon Tetrachloride	7.795	117	12467	6.133	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	7968	6.220	ug/l	93
52) Toluene	10.246	92	113981	34.541	ug/l	98
59) 2-Hexanone	10.837	43	3670	4.150	ug/l	84
74) N-amyl acetate	12.105	43	7074	5.504	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.520	83	6644	9.594	ug/l #	36
76) 1,2,3-Trichloropropane	12.483	75	29905	59.011	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29905	108.492	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	3674	1.200	ug/l	97
86) p-Isopropyltoluene	13.373	119	59362	17.593	ug/l #	76
95) Naphthalene	15.239	128	3776	1.988	ug/l #	55

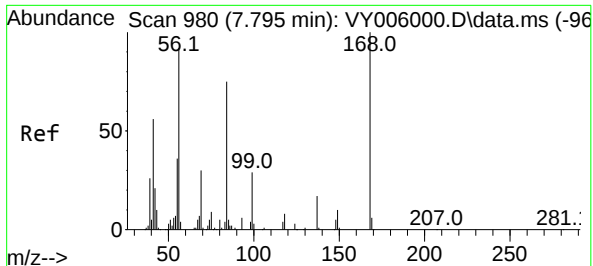
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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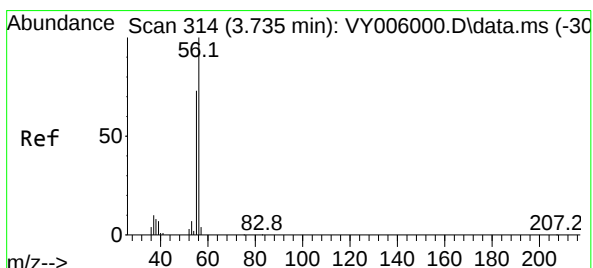
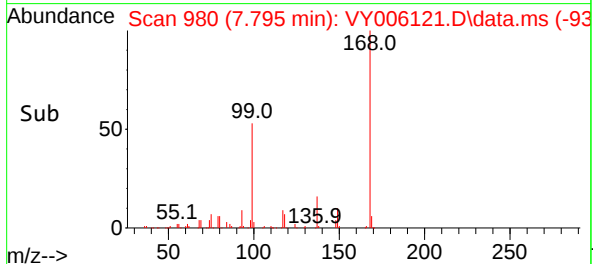
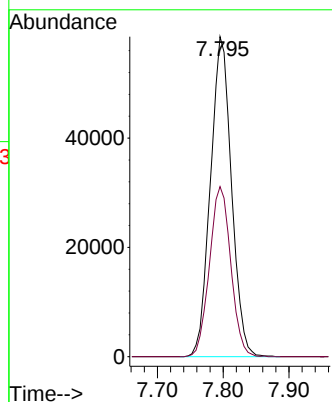
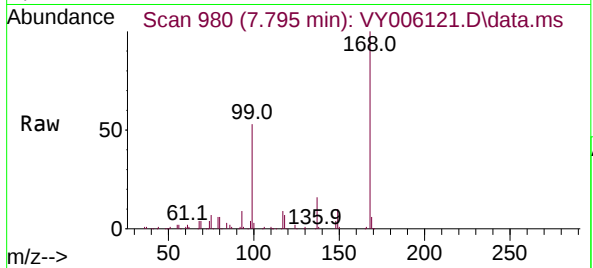




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

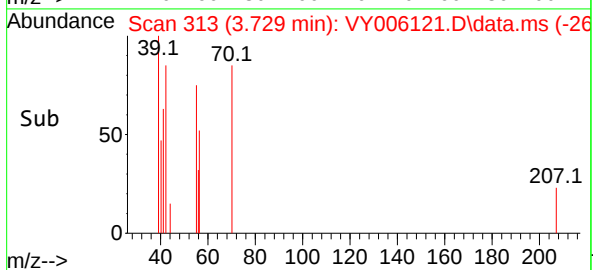
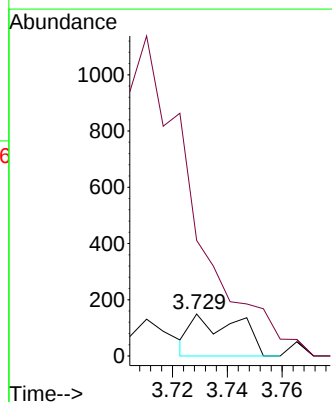
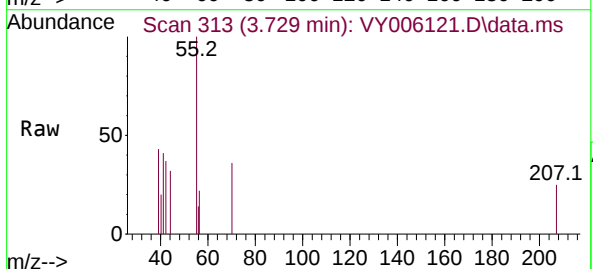
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MSVOA_Y
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20883

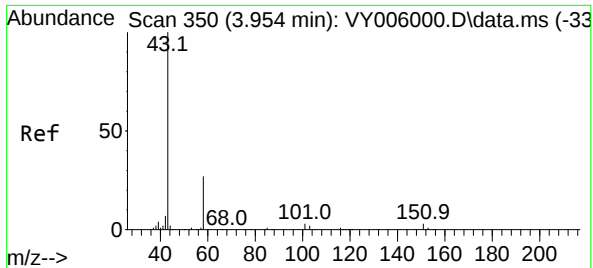
Tgt Ion:168 Resp: 130397
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#13
Acrolein
Concen: 1.608 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

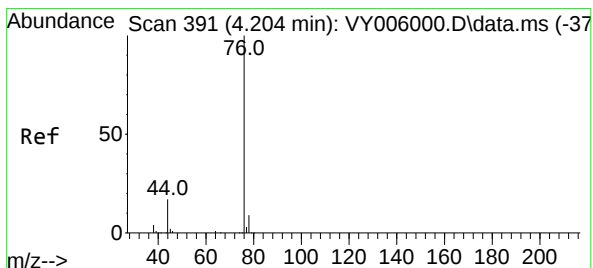
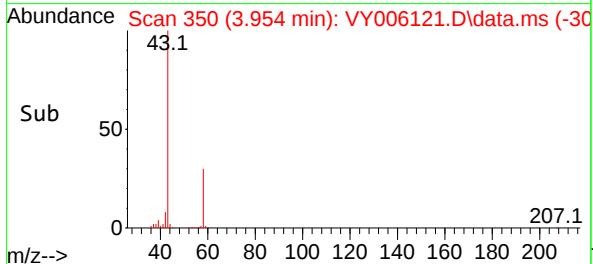
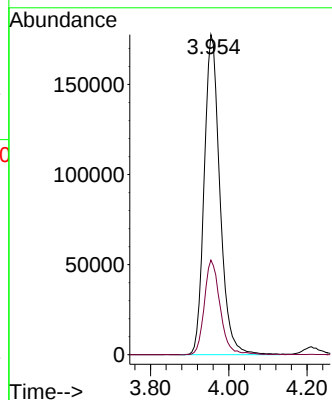
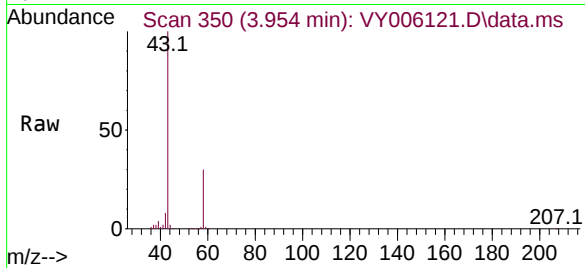




#16
Acetone
Concen: 995.635 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

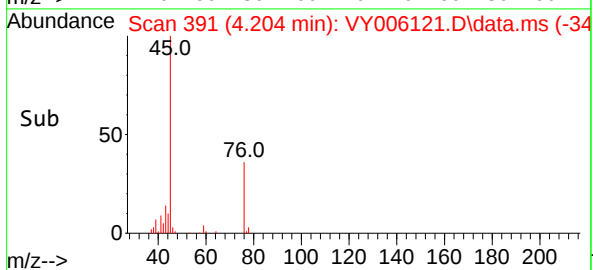
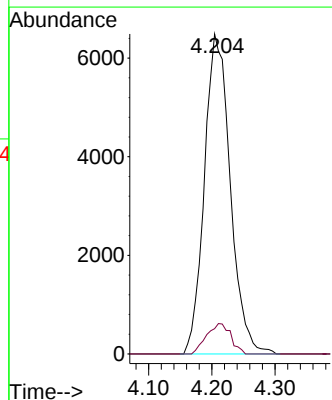
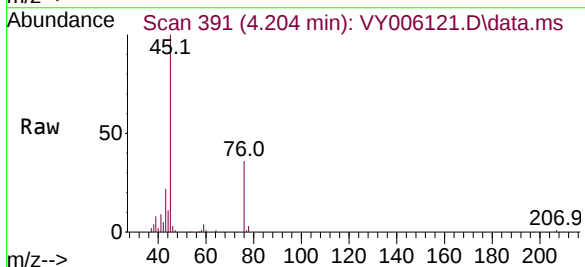
Instrument :
MSVOA_Y
ClientSampleId :
20883

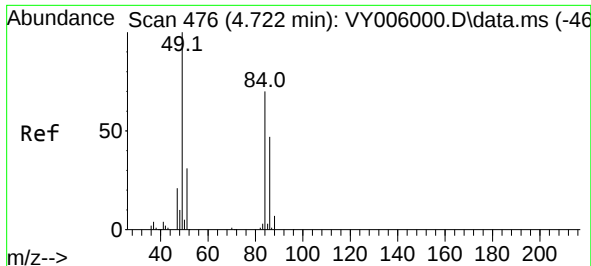
Tgt Ion: 43 Resp: 494631
Ion Ratio Lower Upper
43 100
58 29.5 22.0 33.0



#17
Carbon Disulfide
Concen: 4.245 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

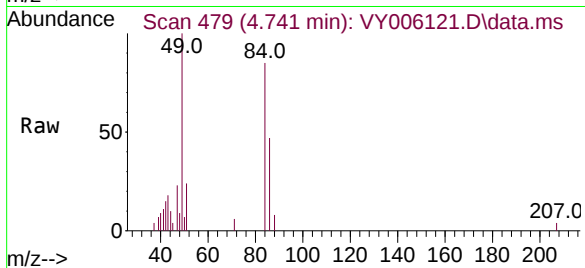
Tgt Ion: 76 Resp: 18459
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0



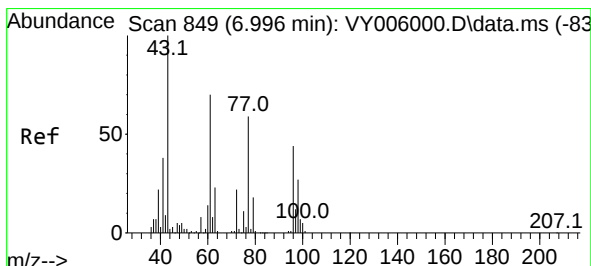
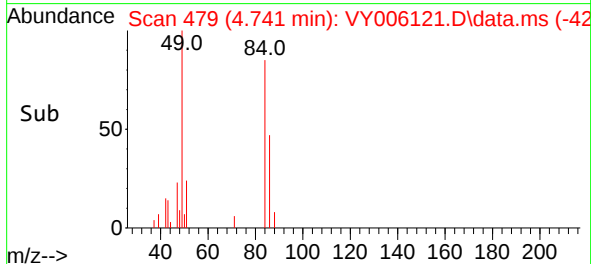
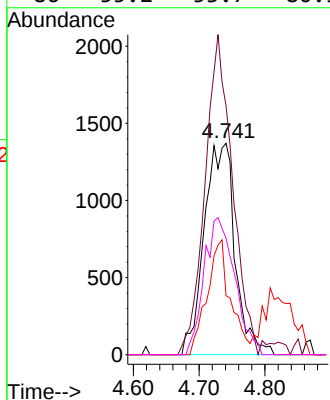


#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.019 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Instrument :
MSVOA_Y
ClientSampled :
20883

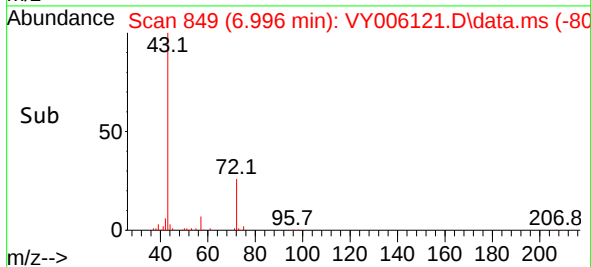
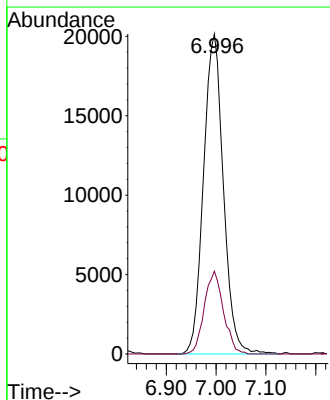
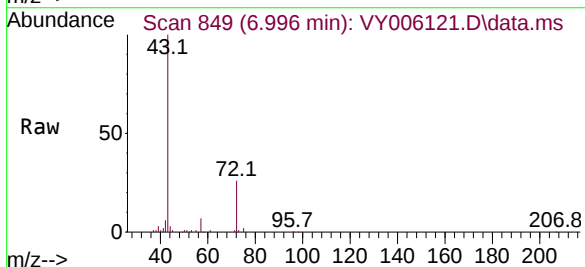


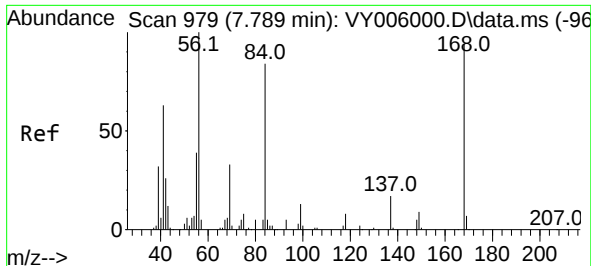
Tgt Ion: 84 Resp: 4475
Ion Ratio Lower Upper
84 100
49 117.7 114.4 171.6
51 27.9 35.3 52.9#
86 55.2 53.7 80.5



#25
2-Butanone
Concen: 81.413 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

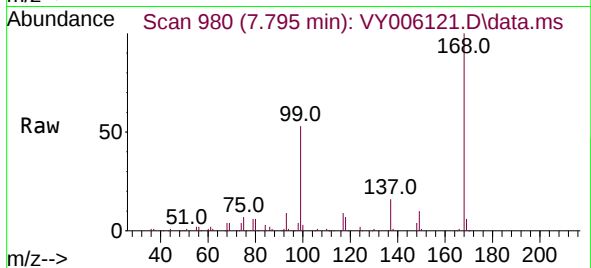
Tgt Ion: 43 Resp: 55746
Ion Ratio Lower Upper
43 100
72 25.8 17.7 26.5



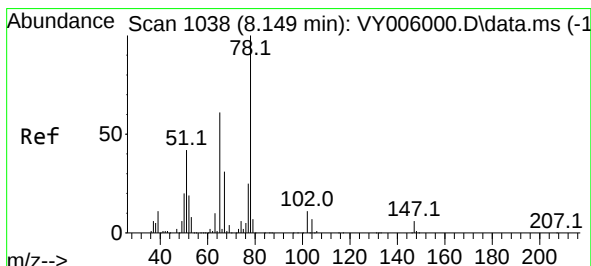
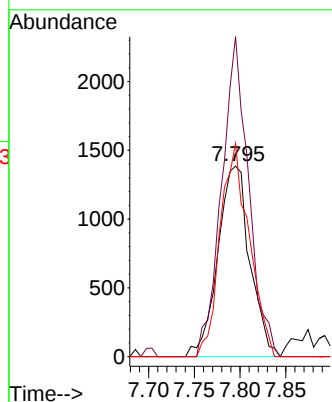
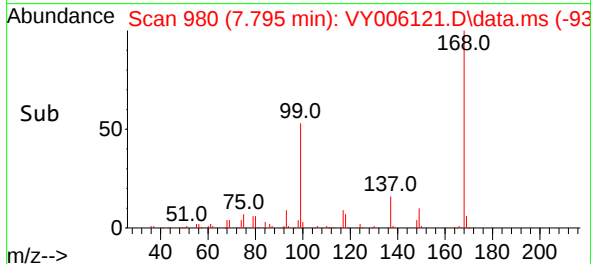


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

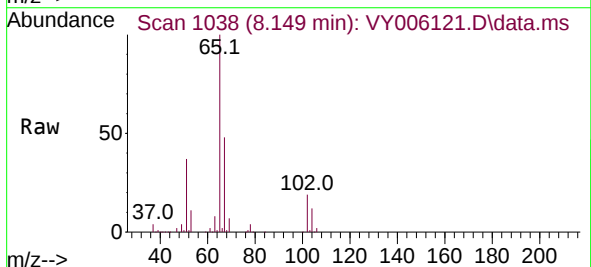
Instrument :
MSVOA_Y
ClientSampleId :
20883



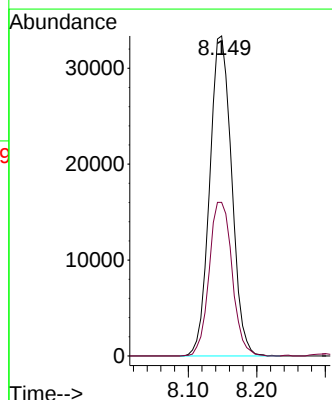
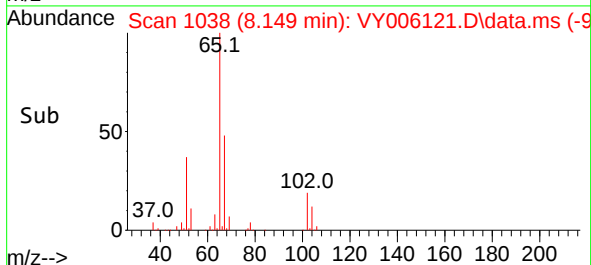
Tgt Ion: 56 Resp: 3380
Ion Ratio Lower Upper
56 100
69 167.9 26.7 40.1#
84 111.8 67.2 100.8#

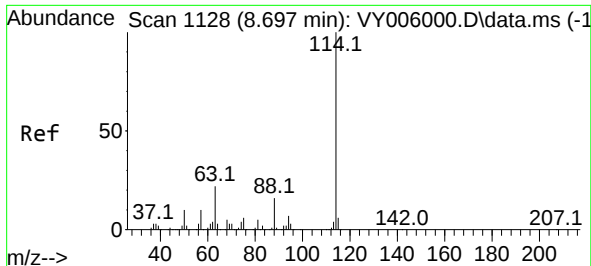


#33
1,2-Dichloroethane-d4
Concen: 41.016 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01



Tgt Ion: 65 Resp: 74292
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006121.D

Acq: 23 Sep 2021 14:01

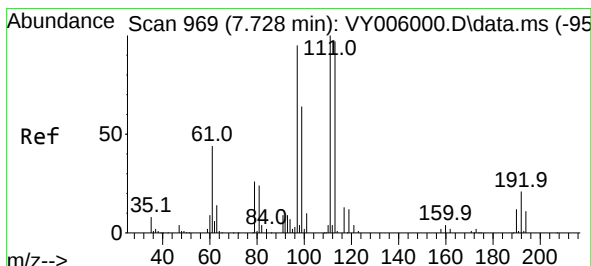
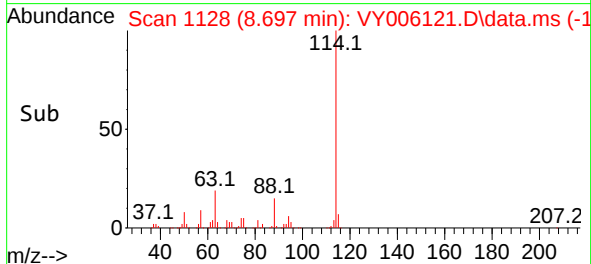
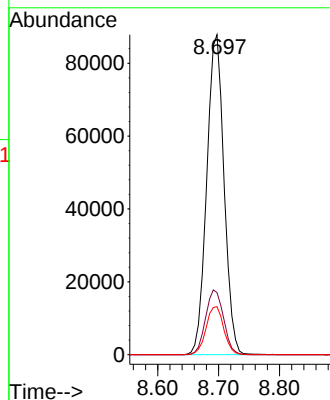
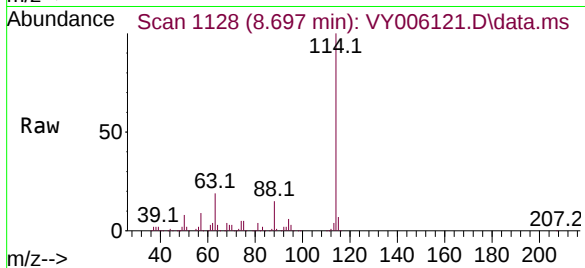
Instrument :

MSVOA_Y

ClientSampleId :

20883

Tgt Ion:114	Resp:	173011
Ion	Ratio	Lower Upper
114	100	
63	19.4	0.0 43.2
88	15.0	0.0 31.8



#35

Dibromofluoromethane

Concen: 51.695 ug/l

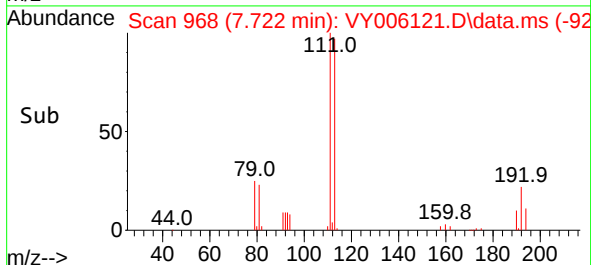
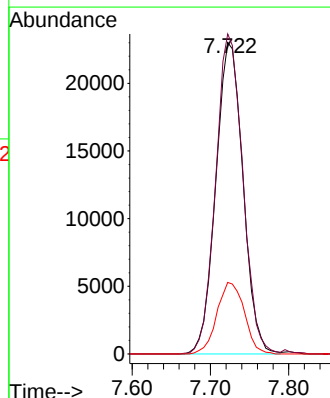
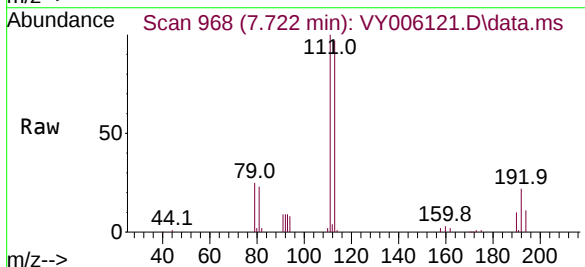
RT: 7.722 min Scan# 968

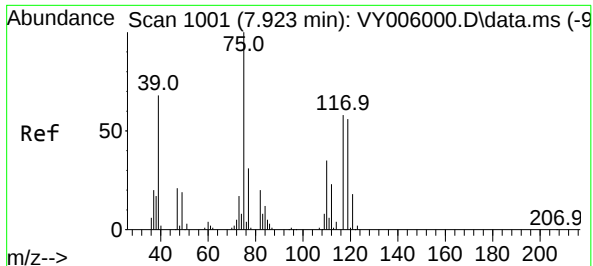
Delta R.T. -0.006 min

Lab File: VY006121.D

Acq: 23 Sep 2021 14:01

Tgt Ion:113	Resp:	55551
Ion	Ratio	Lower Upper
113	100	
111	102.3	82.6 124.0
192	23.1	17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 7.795 min Scan# 980

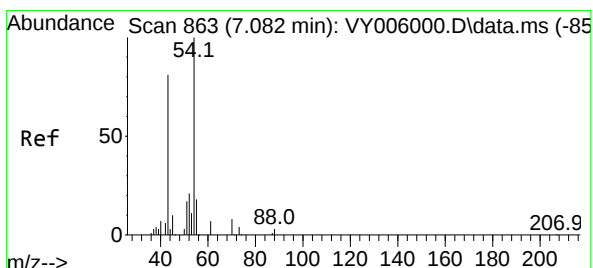
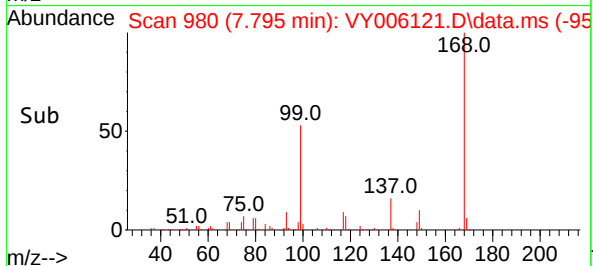
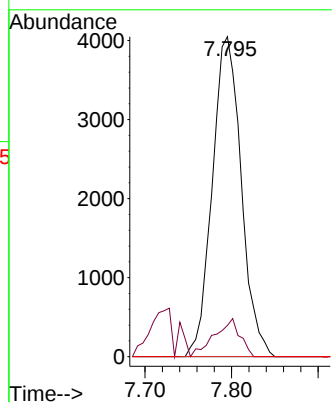
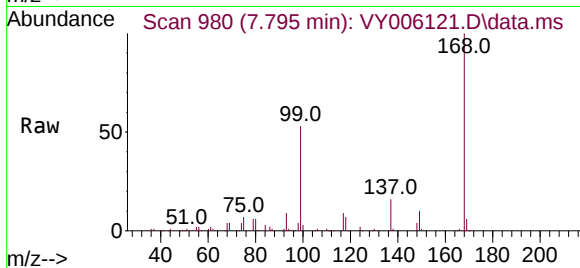
Delta R.T. -0.128 min

Lab File: VY006121.D

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Tgt Ion:	75	Resp:	9403
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.1	51.2#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 43.213 ug/l

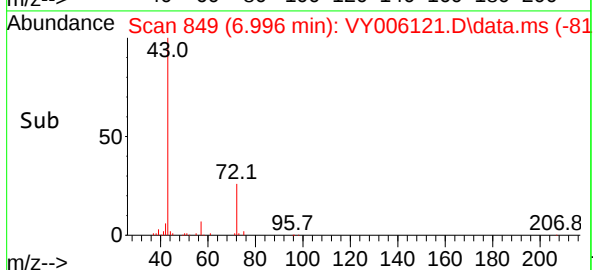
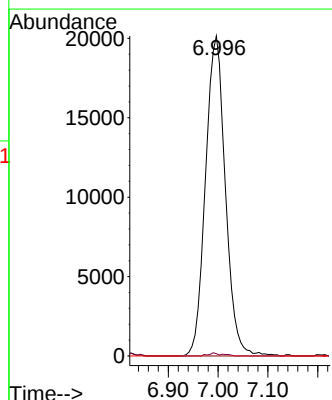
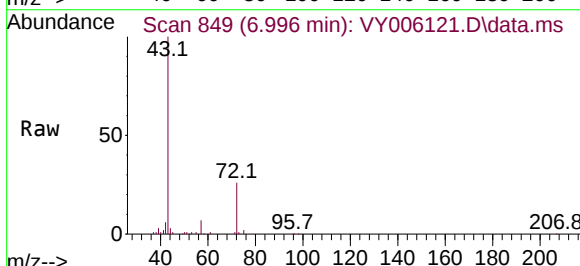
RT: 6.996 min Scan# 849

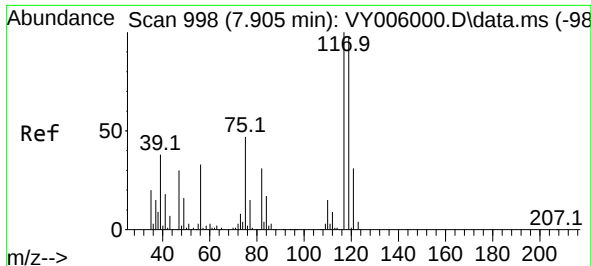
Delta R.T. -0.085 min

Lab File: VY006121.D

Acq: 23 Sep 2021 14:01

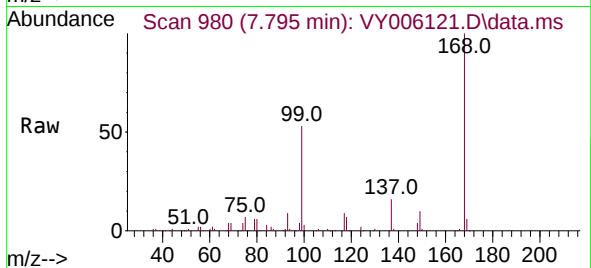
Tgt Ion:	43	Resp:	55746
Ion	Ratio	Lower	Upper
43	100		
61	0.4	9.7	14.5#
70	0.0	7.1	10.7#



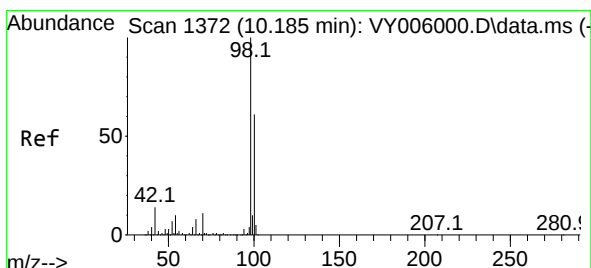
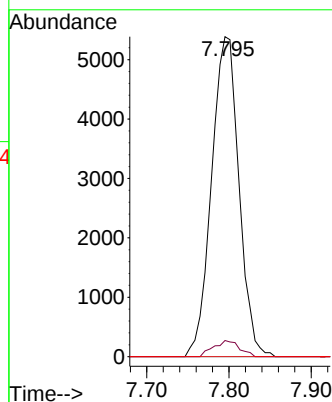
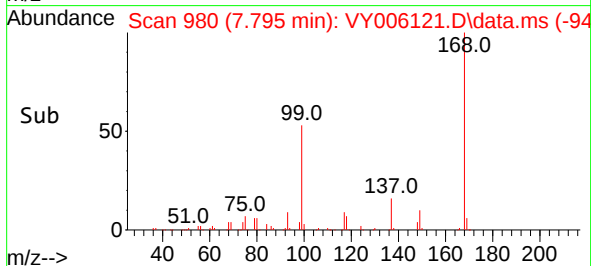


#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

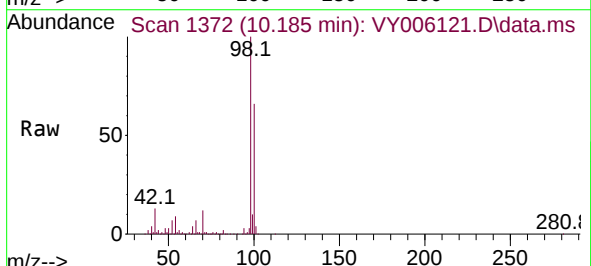
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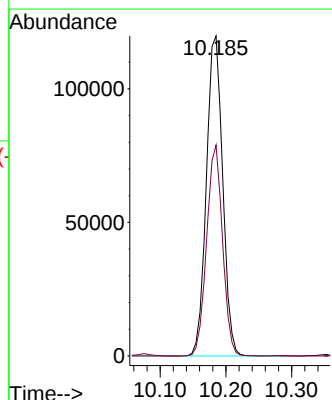
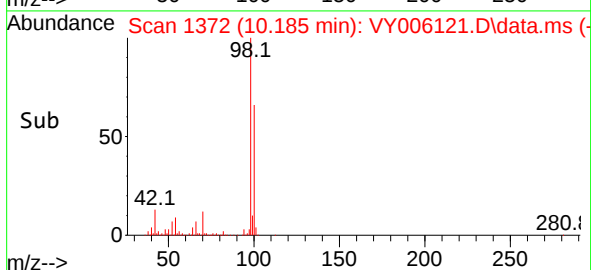
Tgt Ion: 117 Resp: 12467
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#

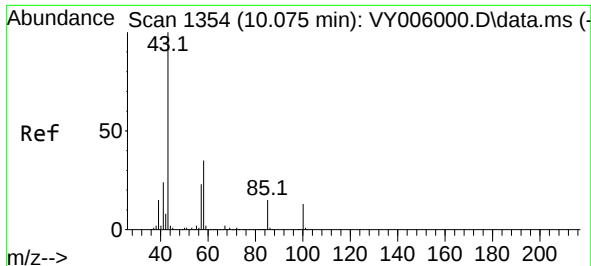


#50
Toluene-d8
Concen: 45.081 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01



Tgt Ion: 98 Resp: 206470
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

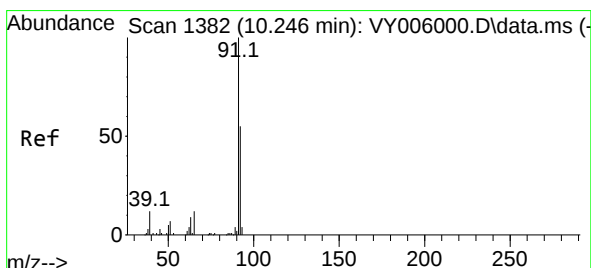
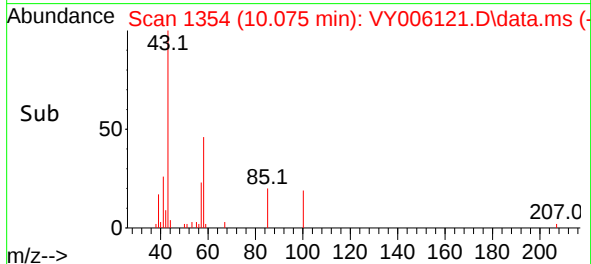
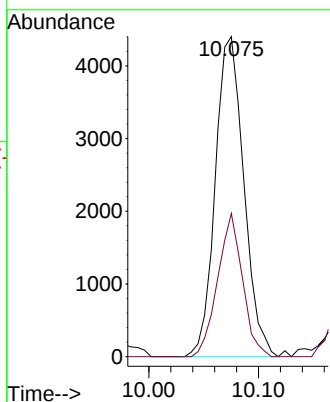
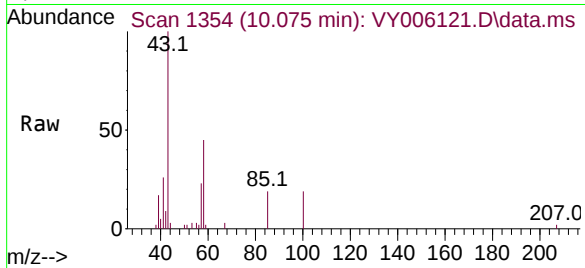




#51
4-Methyl-2-Pentanone
Concen: 6.220 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

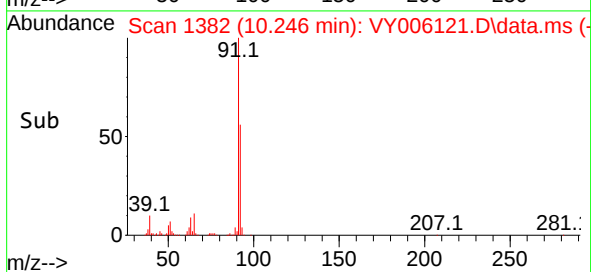
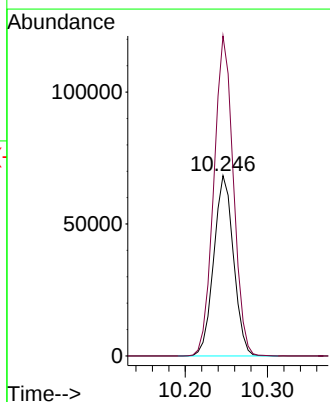
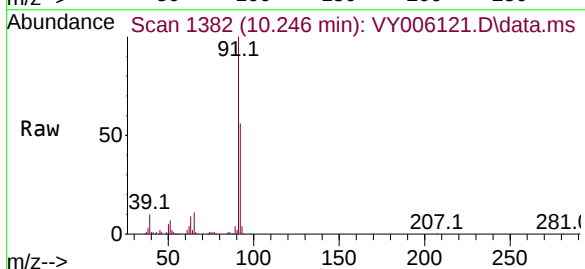
Instrument :
MSVOA_Y
ClientSampleId :
20883

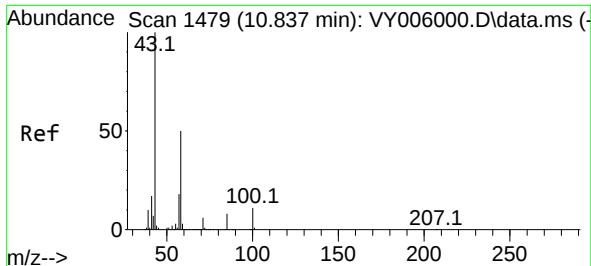
Tgt Ion: 43 Resp: 7968
Ion Ratio Lower Upper
43 100
58 38.9 28.1 42.1



#52
Toluene
Concen: 34.541 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion: 92 Resp: 113981
Ion Ratio Lower Upper
92 100
91 175.7 142.6 213.8

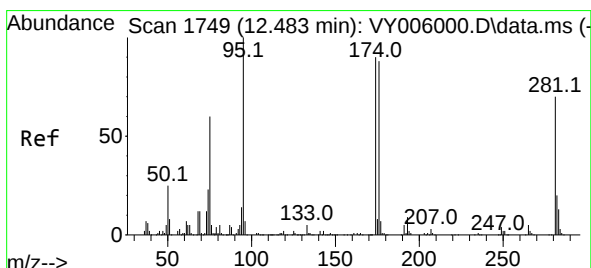
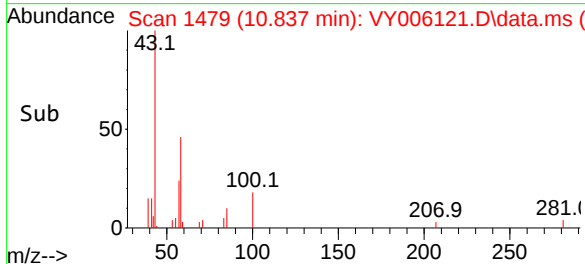
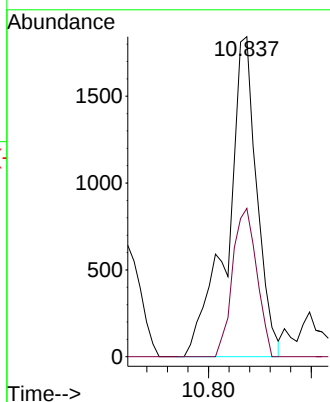
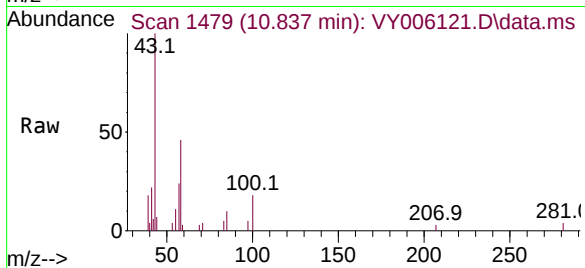




#59
2-Hexanone
Concen: 4.150 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

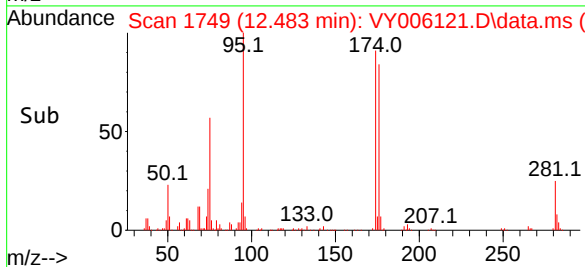
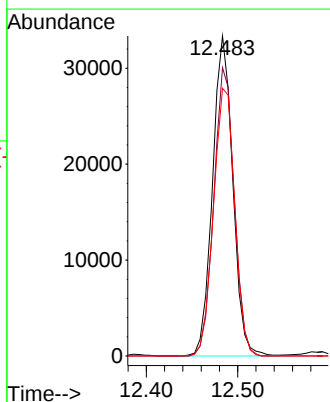
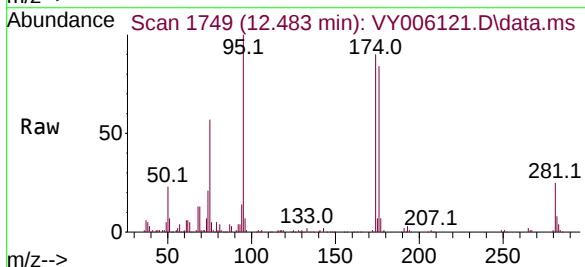
Instrument :
MSVOA_Y
ClientSampled :
20883

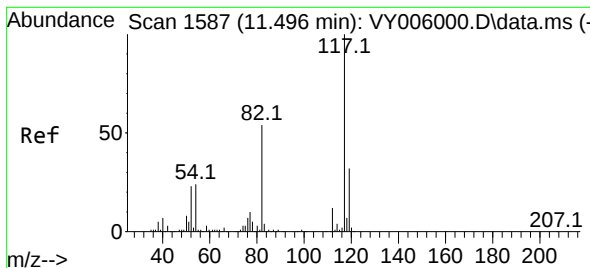
Tgt Ion: 43 Resp: 3670
Ion Ratio Lower Upper
43 100
58 38.1 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 33.025 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion: 95 Resp: 51354
Ion Ratio Lower Upper
95 100
174 90.6 0.0 177.0
176 87.7 0.0 175.8

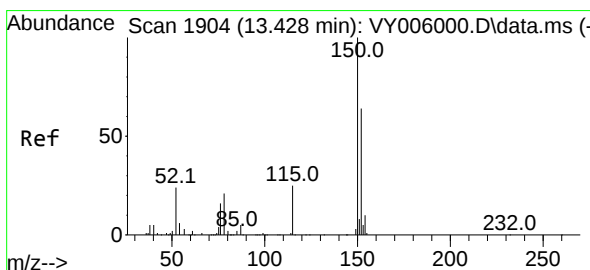
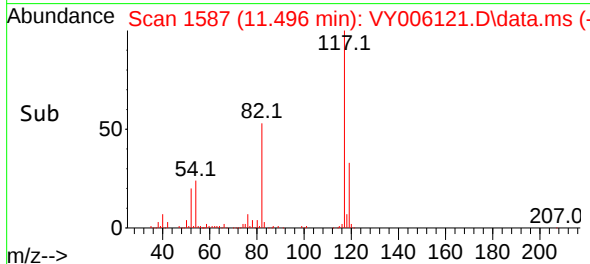
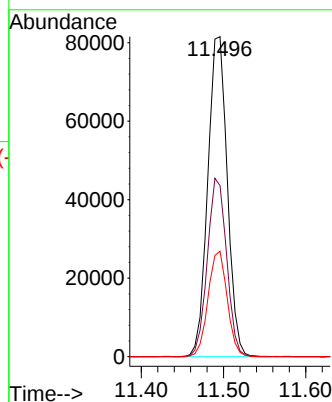
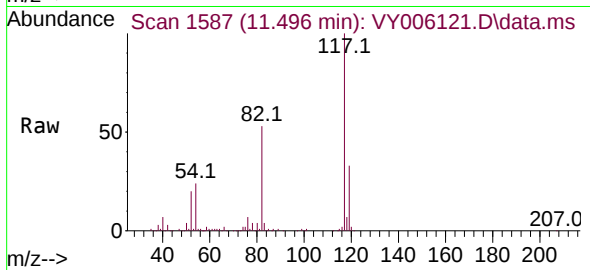




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

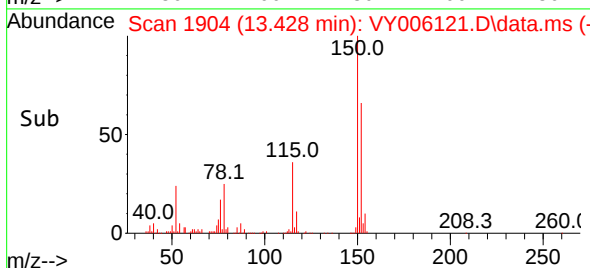
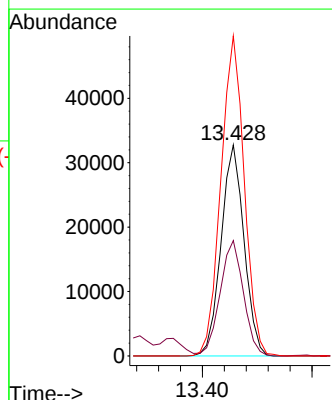
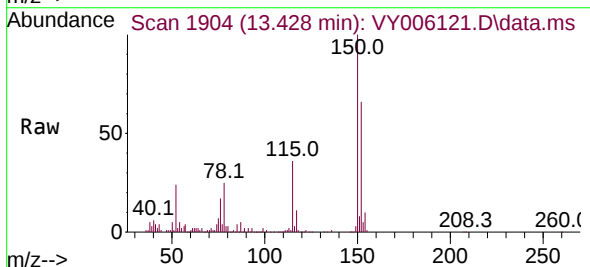
Instrument :
MSVOA_Y
ClientSampleId :
20883

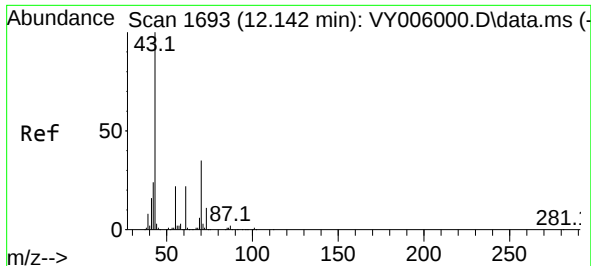
Tgt Ion:117 Resp: 134257
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion:152 Resp: 47531
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.7
150 154.7 0.0 347.6

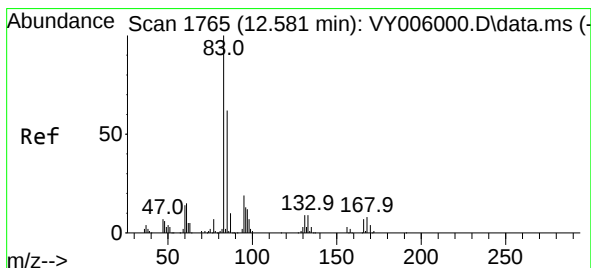
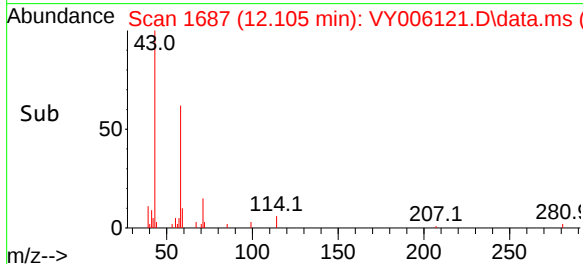
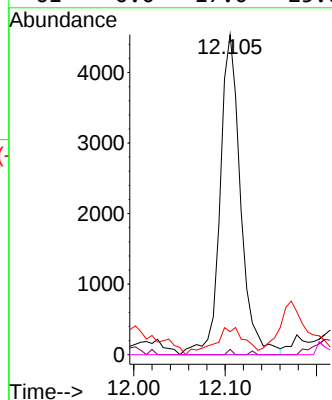
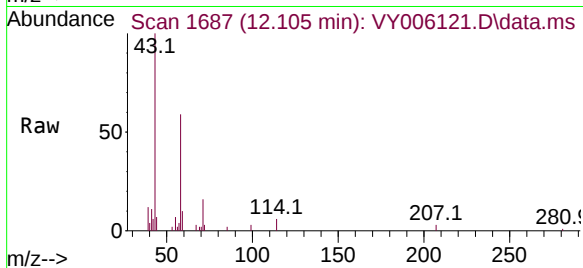




#74
N-amy1 acetate
Concen: 5.504 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.036 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

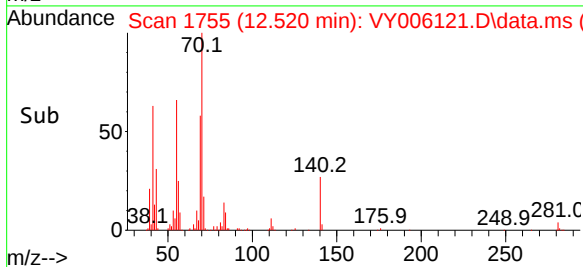
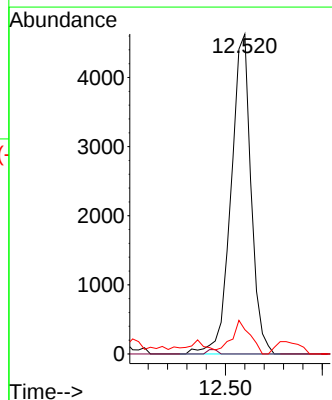
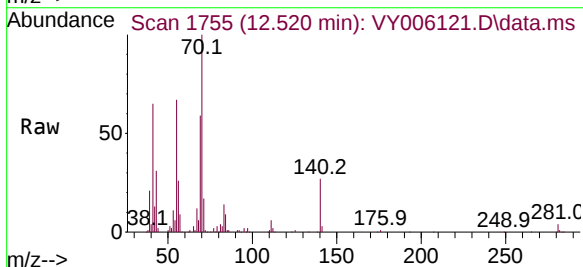
Instrument :
MSVOA_Y
ClientSampled :
20883

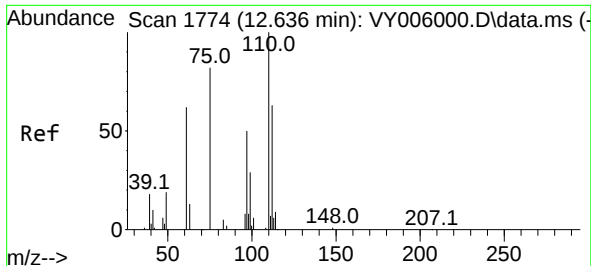
Tgt Ion: 43	Resp: 7074
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 0.0	17.3 25.9#
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 9.594 ug/l
RT: 12.520 min Scan# 1755
Delta R.T. -0.061 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion: 83	Resp: 6644		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.6	16.8#	
85 9.6	32.3	96.8#	

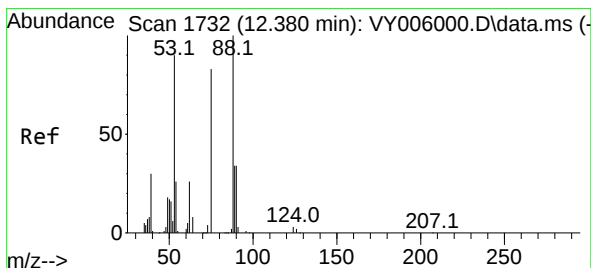
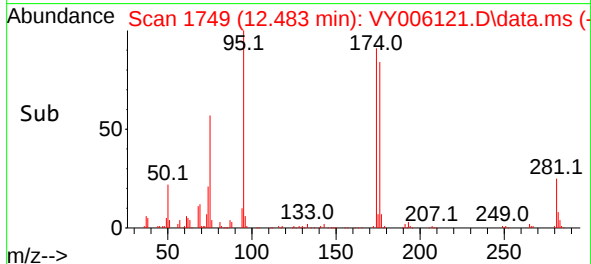
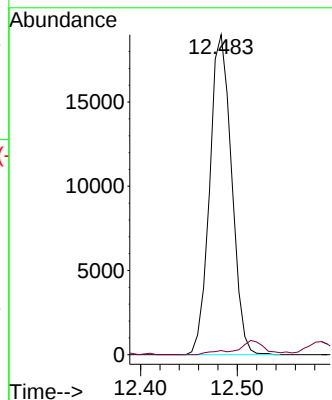
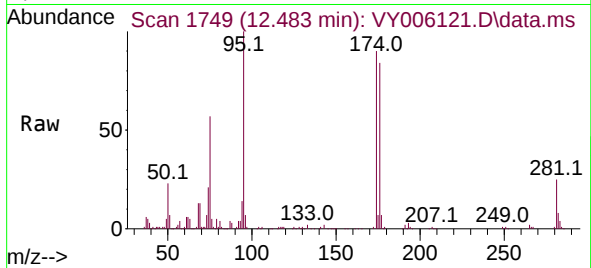




#76
1,2,3-Trichloropropane
Concen: 59.011 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

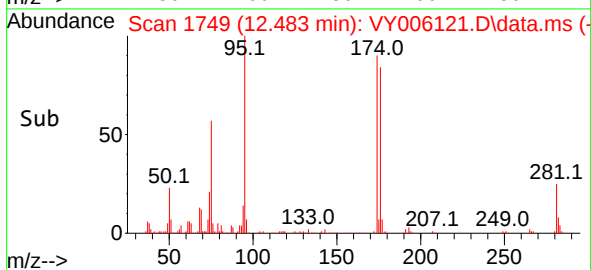
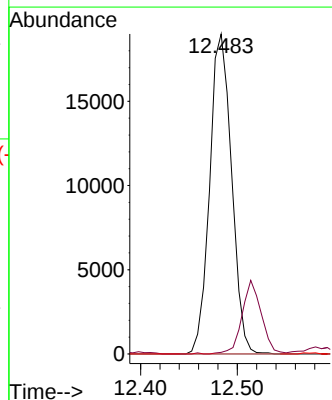
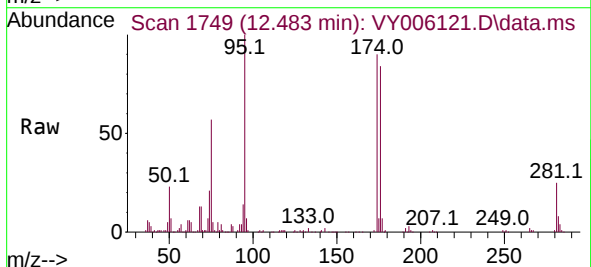
Instrument :
MSVOA_Y
ClientSampleId :
20883

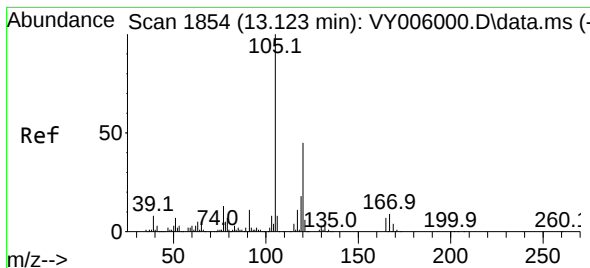
Tgt Ion: 75 Resp: 29905
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 108.492 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Tgt Ion: 75 Resp: 29905
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.200 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY006121.D

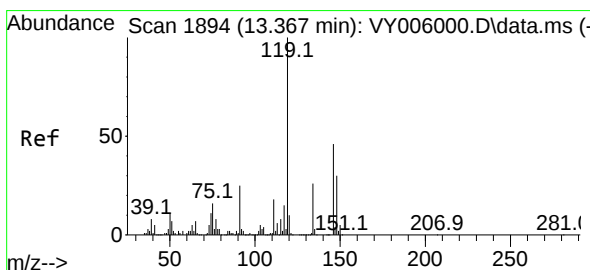
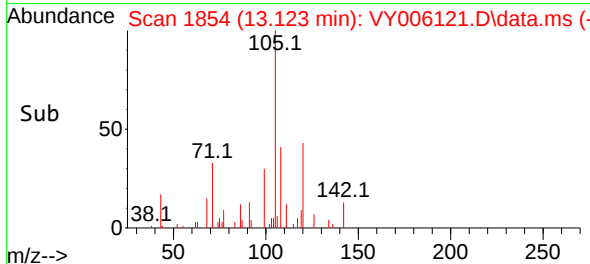
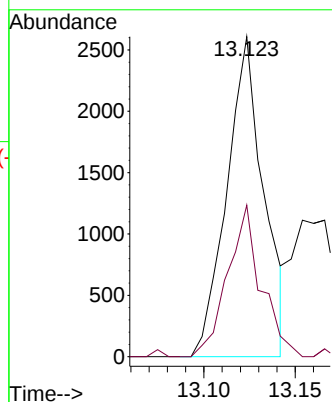
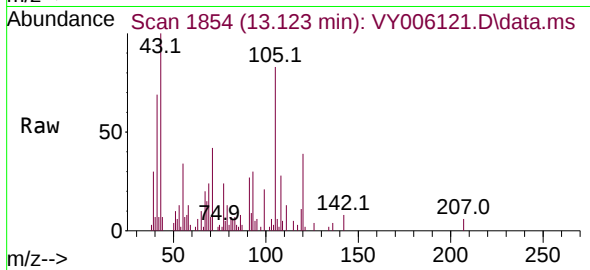
Acq: 23 Sep 2021 14:01

Tgt Ion:105 Resp: 3674

Ion Ratio Lower Upper

105 100

120 42.9 22.3 66.9



#86

p-Isopropyltoluene

Concen: 17.593 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY006121.D

Acq: 23 Sep 2021 14:01

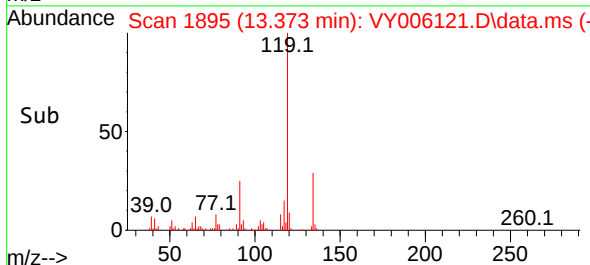
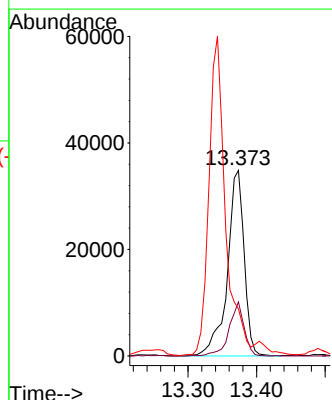
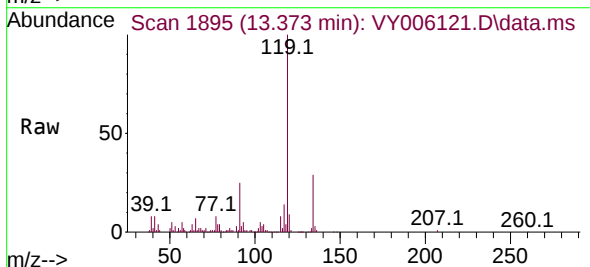
Tgt Ion:119 Resp: 59362

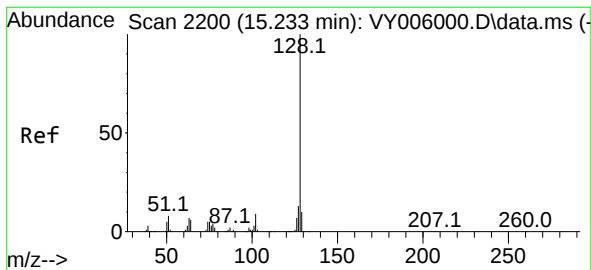
Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

91 0.0 12.4 37.2#





#95
Naphthalene
Concen: 1.988 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY006121.D
Acq: 23 Sep 2021 14:01

Instrument :
MSVOA_Y
ClientSampleId :
20883

Tgt Ion:128 Resp: 3776
Ion Ratio Lower Upper
128 100
127 40.8 11.0 16.4#
129 16.5 8.4 12.6#

