

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
 Data File : VY006066.D
 Acq On : 17 Sep 2021 13:19
 Operator : SY/MD
 Sample : M3772-01
 Misc : 7.31G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PRE-CLASS-WASTE-1

Manual Integrations
 APPROVED

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 9/20/2021 6:52:17 PM

Quant Time: Sep 20 01:39:55 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	104394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	191608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83749	57.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.500%			
35) Dibromofluoromethane	7.722	113	61221	51.441	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.880%			
50) Toluene-d8	10.185	98	254791	50.232	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.483	95	100732	58.493	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.980%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.253	62	22179	14.324	ug/l	99
18) Methyl Acetate	4.478	43	1534	1.531	ug/l #	85
21) trans-1,2-Dichloroethene	5.234	96	2393	2.047	ug/l #	81
27) cis-1,2-Dichloroethene	6.996	96	798855	612.625	ug/l	87
44) Trichloroethene	8.941	130	783671	530.265	ug/l	95
52) Toluene	10.246	92	5885	1.610	ug/l	96
64) Tetrachloroethene	10.721	164	25336980m	15225.817	ug/l	
67) Ethyl Benzene	11.593	91	24294	2.936	ug/l	96
68) m/p-Xylenes	11.703	106	32964	10.505	ug/l	99
69) o-Xylene	12.032	106	35263	11.899	ug/l	98
73) Isopropylbenzene	12.331	105	34218	4.033	ug/l	95
78) n-propylbenzene	12.672	91	77019	7.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	176383	25.069	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	578644	82.894	ug/l	99
85) sec-Butylbenzene	13.251	105	42122	4.676	ug/l #	55
86) p-Isopropyltoluene	13.367	119	56477	7.344	ug/l	97
89) n-Butylbenzene	13.696	91	53861	7.489	ug/l #	73
95) Naphthalene	15.233	128	120559	27.852	ug/l	97

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

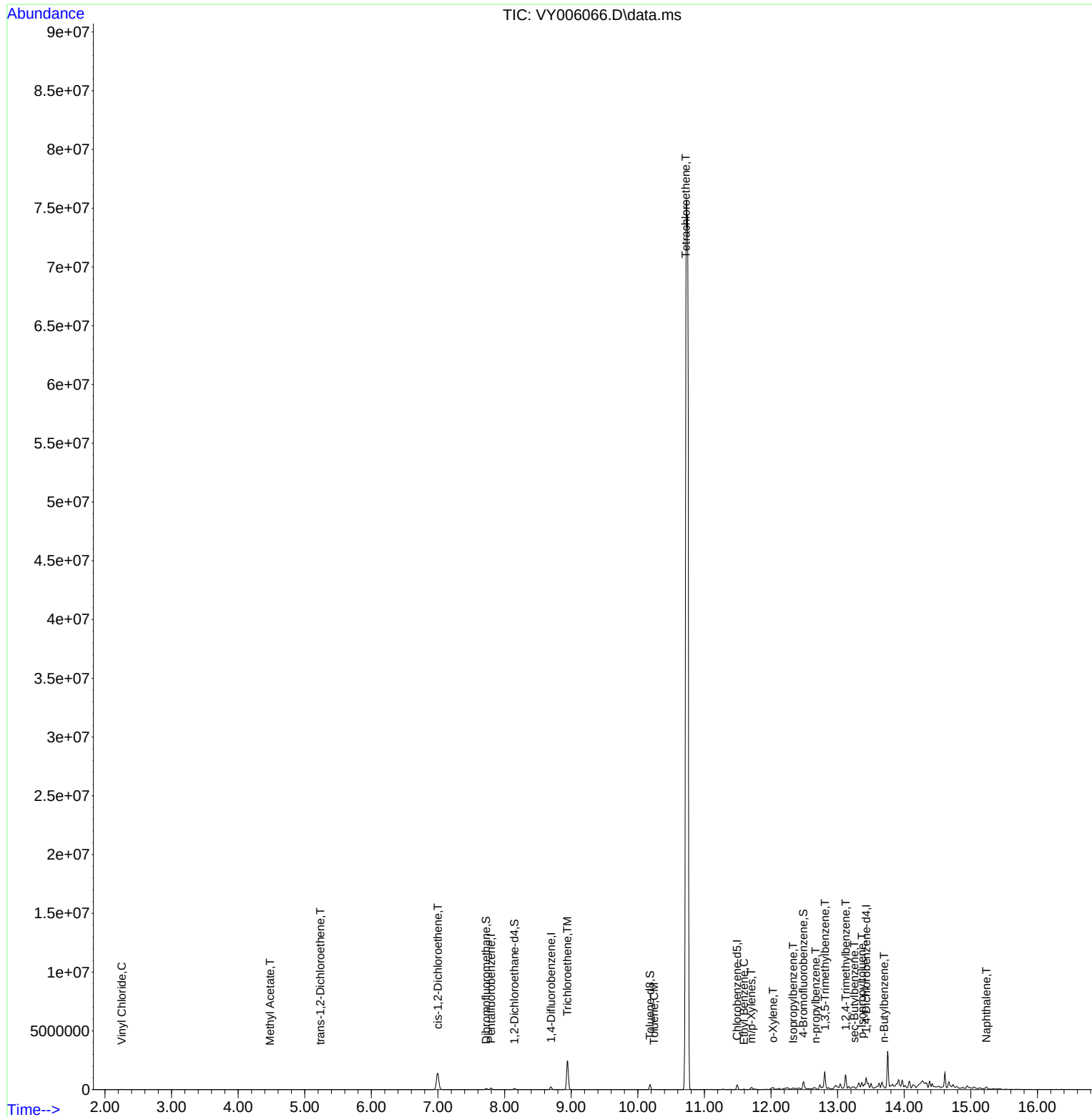
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
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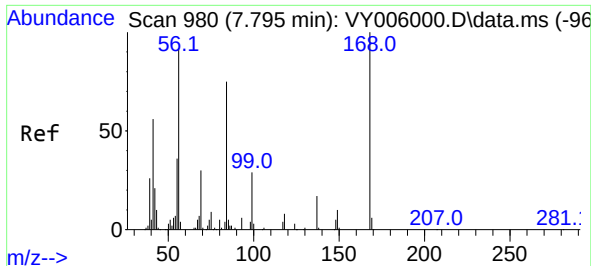
Instrument :
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PRE-CLASS-WASTE-1

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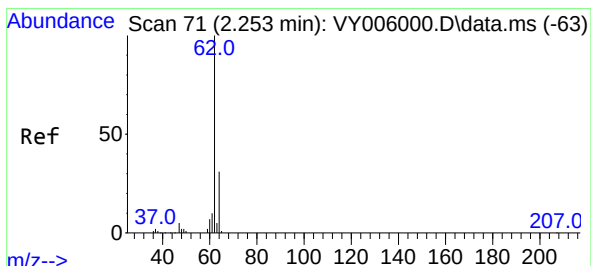
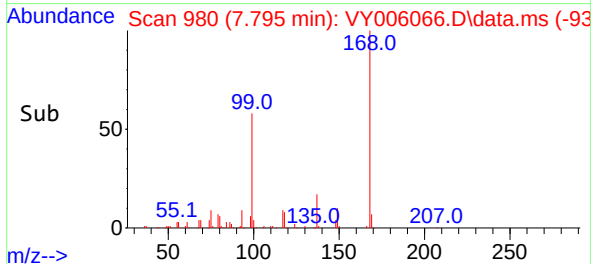
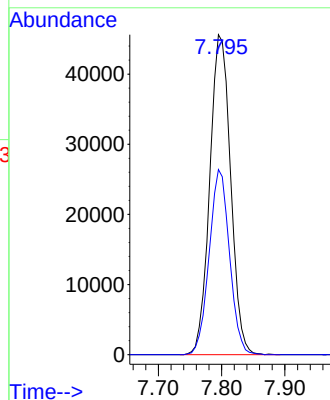
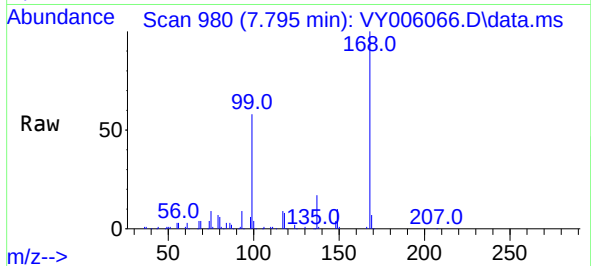
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

Tgt Ion: 168 Resp: 104394
Ion Ratio Lower Upper
168 100
99 57.8 46.9 70.3

Instrument :
MSVOA_Y
ClientSampleId :
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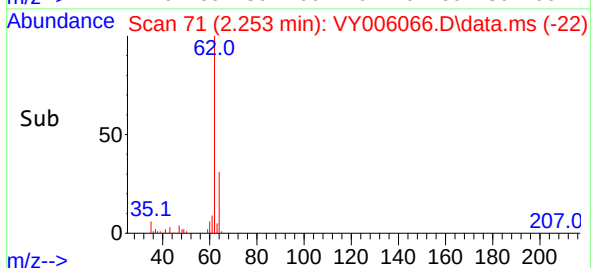
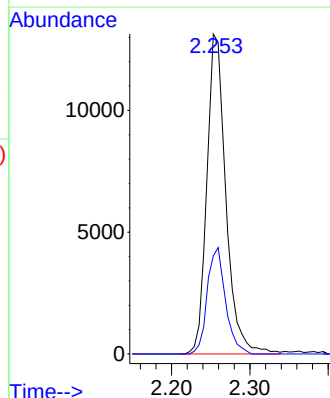
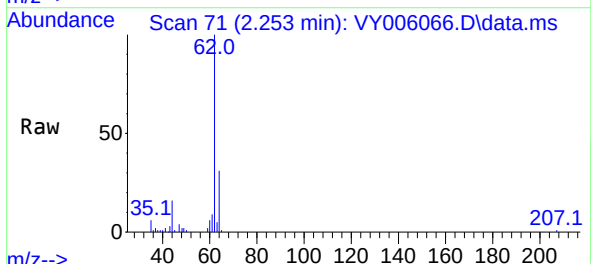
Manual Integrations
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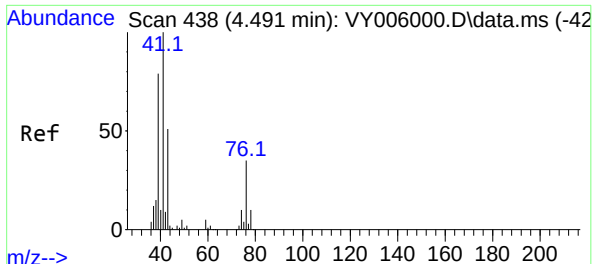
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#4
Vinyl Chloride
Concen: 14.324 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

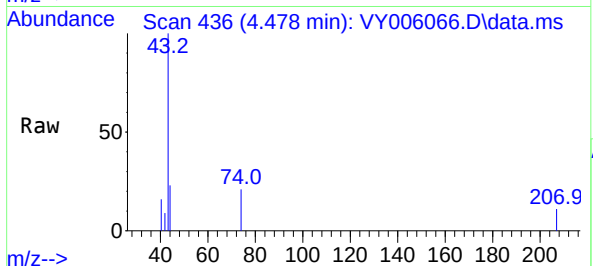
Tgt Ion: 62 Resp: 22179
Ion Ratio Lower Upper
62 100
64 30.7 25.0 37.6





#18
Methyl Acetate
Concen: 1.531 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

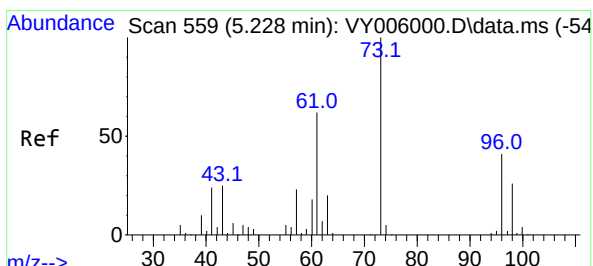
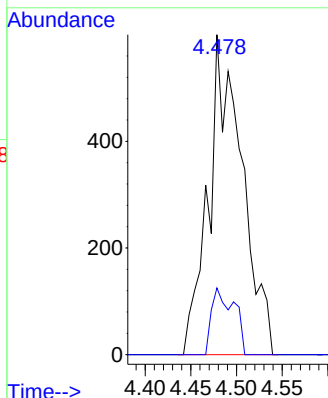
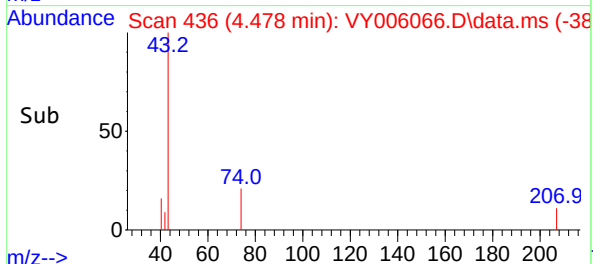
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



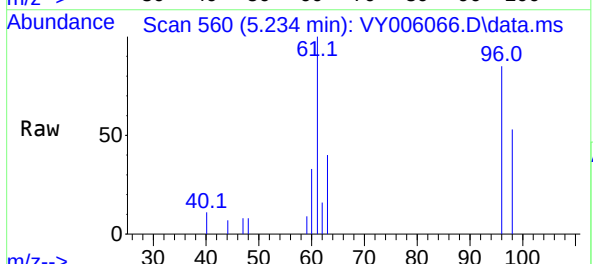
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
74 13.8 16.6 24.8#

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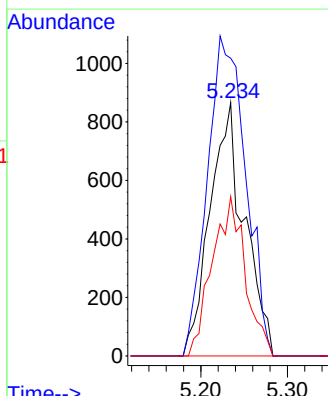
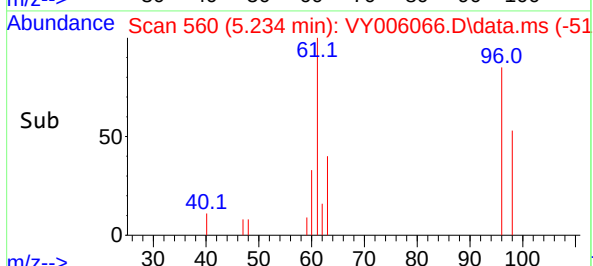
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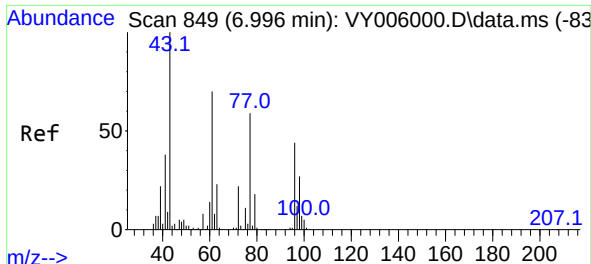


#21
trans-1,2-Dichloroethene
Concen: 2.047 ug/l
RT: 5.234 min Scan# 560
Delta R.T. 0.006 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



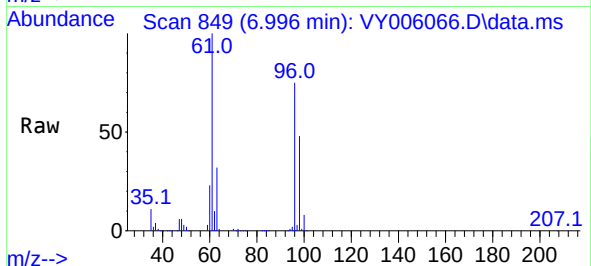
Tgt Ion: 96 Resp: 2393
Ion Ratio Lower Upper
96 100
61 117.6 120.5 180.7#
98 62.8 49.8 74.8





#27
cis-1,2-Dichloroethene
Concen: 612.625 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

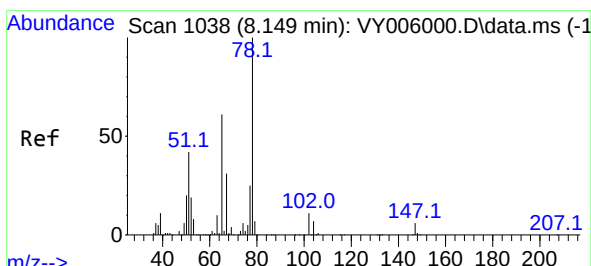
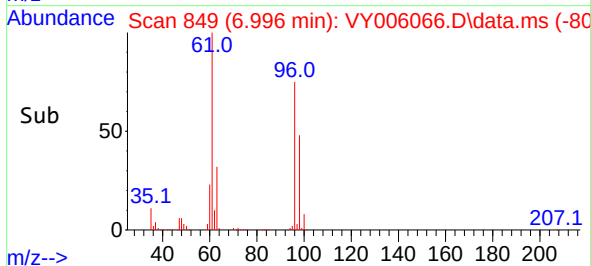
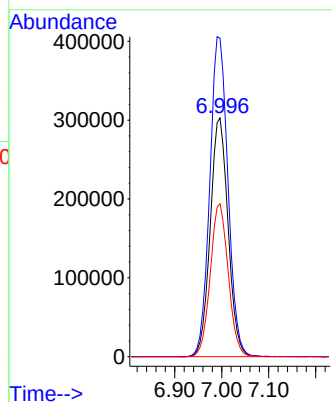
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



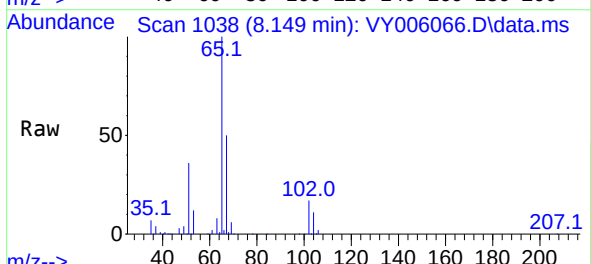
Tgt Ion: 96 Resp: 798855
Ion Ratio Lower Upper
96 100
61 136.2 0.0 319.8
98 64.3 0.0 127.0

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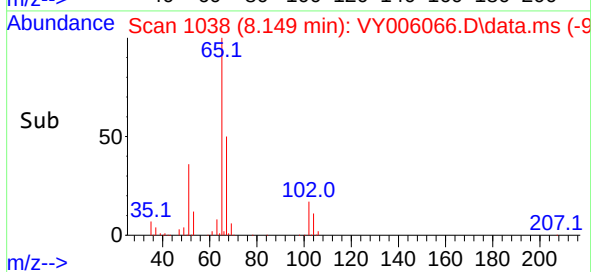
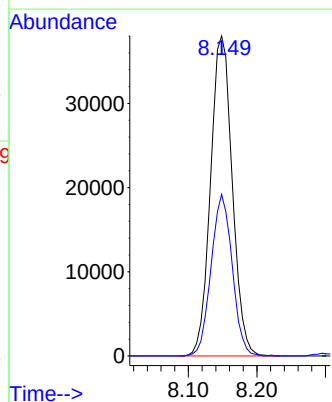
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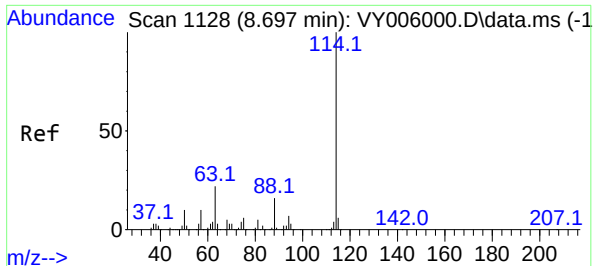


#33
1,2-Dichloroethane-d4
Concen: 57.754 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



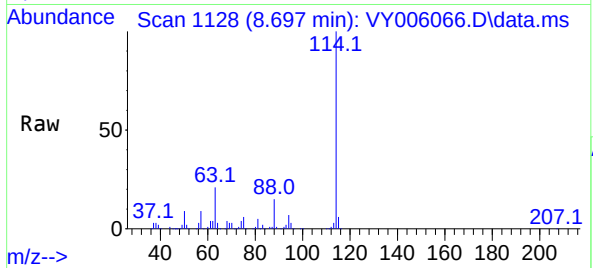
Tgt Ion: 65 Resp: 83749
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

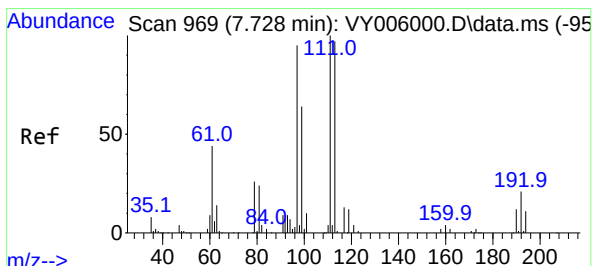
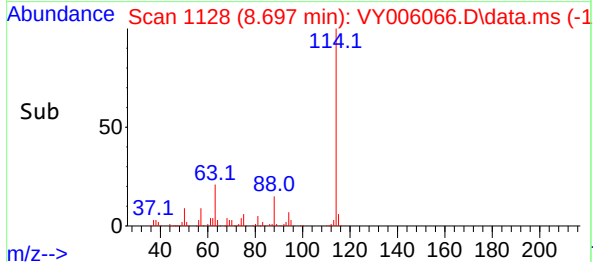
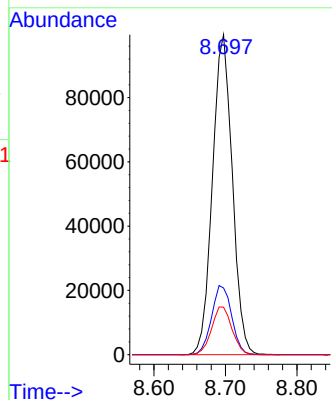
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ClientSampleId :
PRE-CLASS-WASTE-1



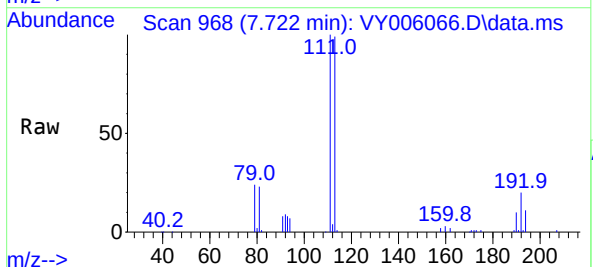
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	14.8	0.0	31.8

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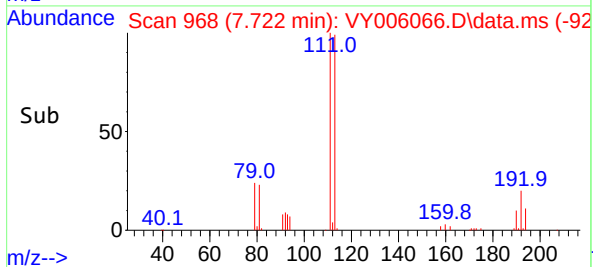
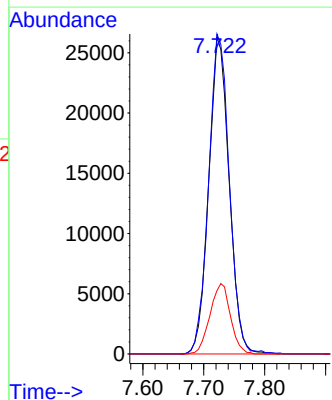
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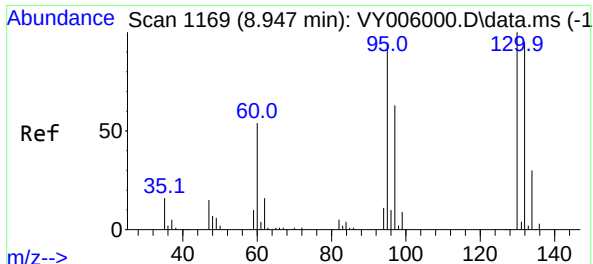


#35
Dibromofluoromethane
Concen: 51.441 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

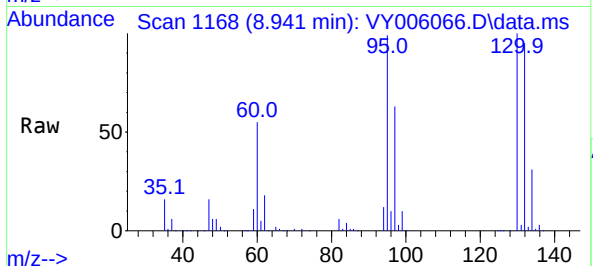


Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	22.3	17.6	26.4

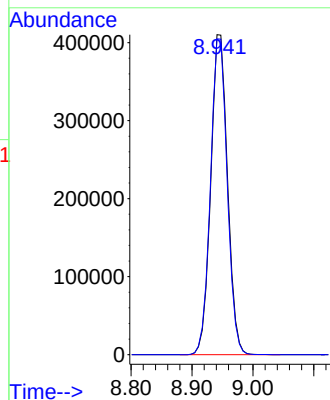
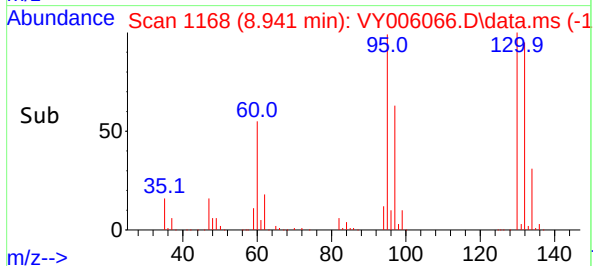




#44
Trichloroethene
Concen: 530.265 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



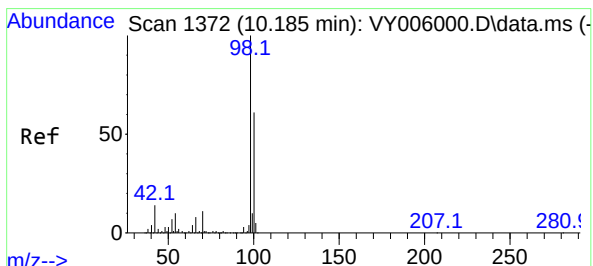
Tgt Ion:130 Resp: 783671
Ion Ratio Lower Upper
130 100
95 98.7 0.0 188.2



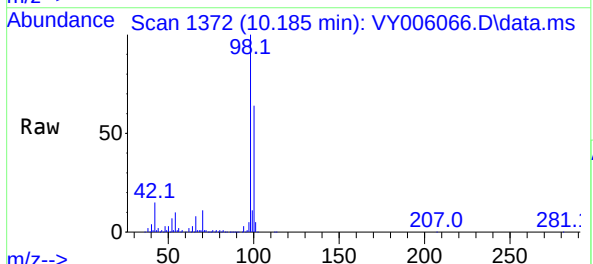
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ClientSampleId :
PRE-CLASS-WASTE-1

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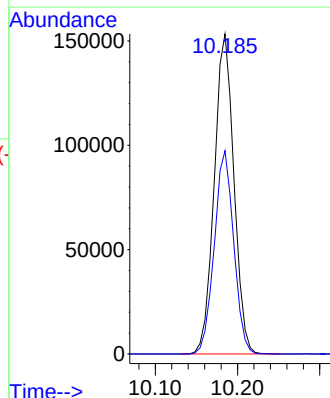
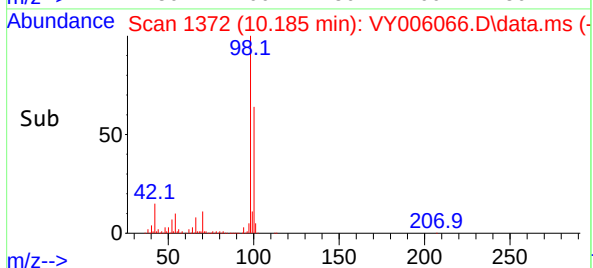
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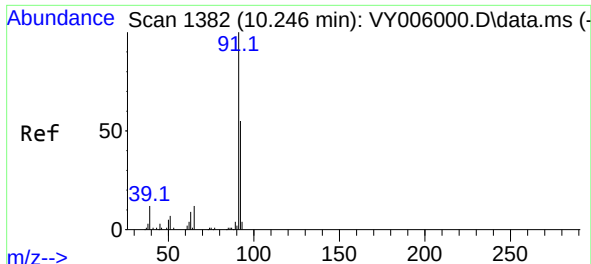


#50
Toluene-d8
Concen: 50.232 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



Tgt Ion: 98 Resp: 254791
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2





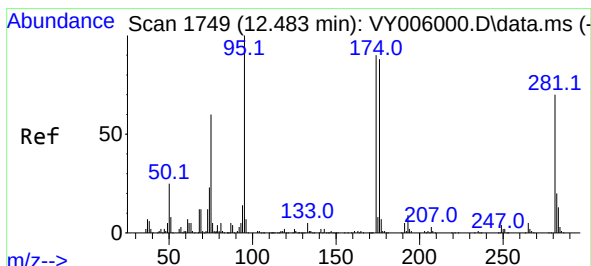
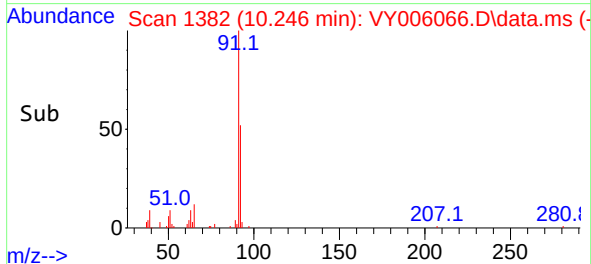
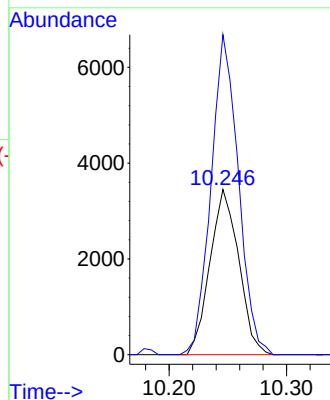
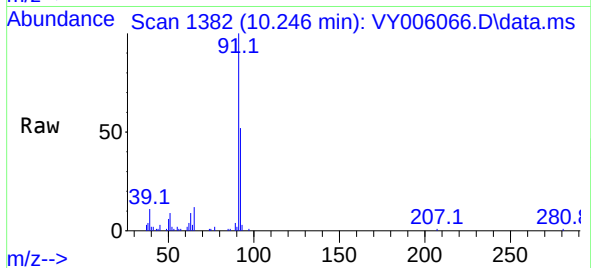
#52
Toluene
Concen: 1.610 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

Tgt Ion: 92 Resp: 5885
Ion Ratio Lower Upper
92 100
91 184.1 142.6 213.8

Instrument :
MSVOA_Y
ClientSampleId :
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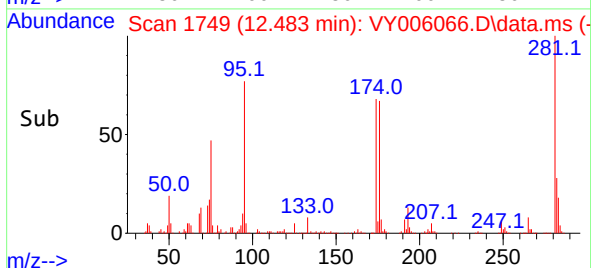
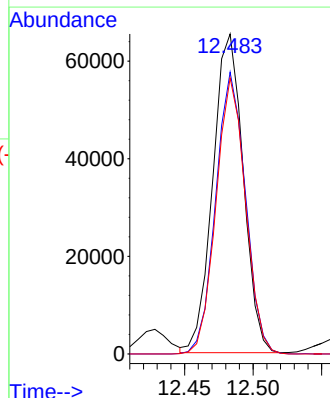
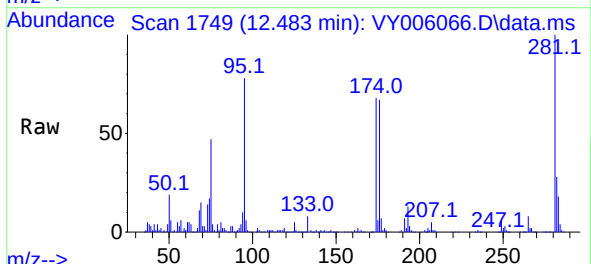
Manual Integrations
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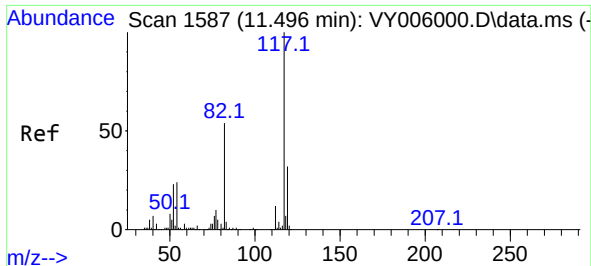
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#62
4-Bromofluorobenzene
Concen: 58.493 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

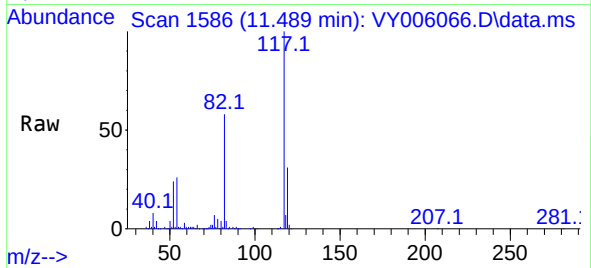
Tgt Ion: 95 Resp: 100732
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.7 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

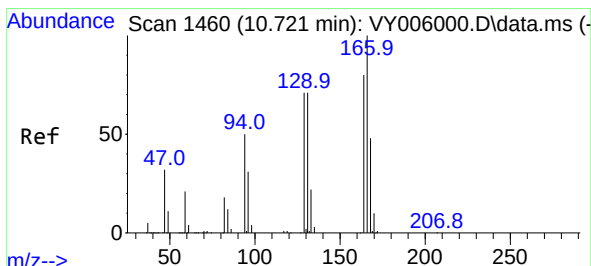
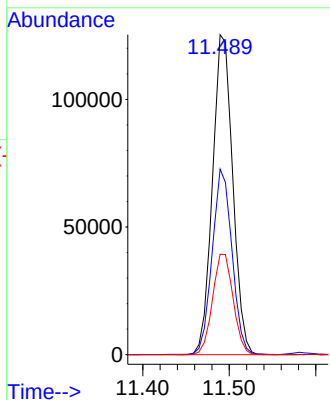
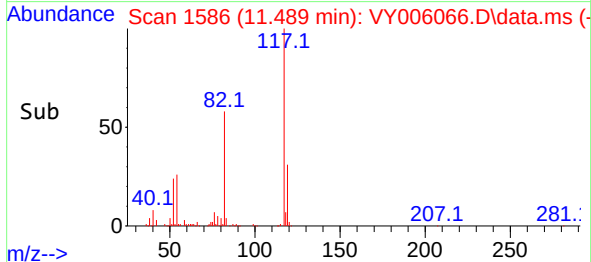
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



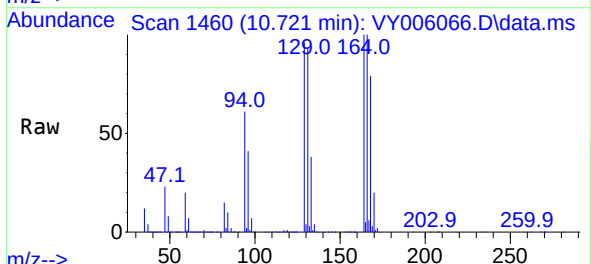
Tgt Ion:117 Resp: 203456
Ion Ratio Lower Upper
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82 57.9 43.0 64.4
119 31.4 25.4 38.0

Manual Integrations
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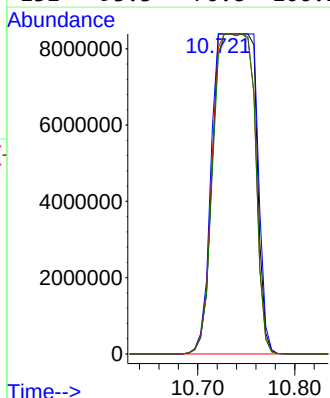
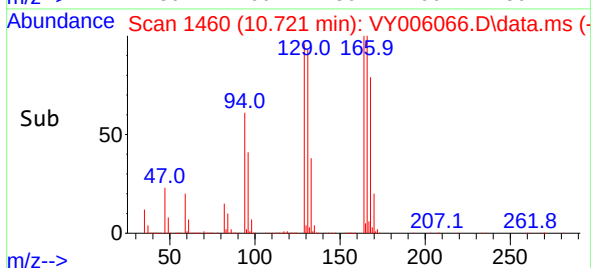
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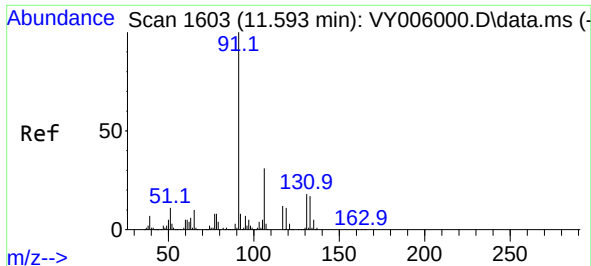


#64
Tetrachloroethene
Concen: 15225.817 ug/l m
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



Tgt Ion:164 Resp:25336980
Ion Ratio Lower Upper
164 100
166 100.0 100.4 150.6#
129 95.8 71.4 107.0
131 93.3 70.8 106.2





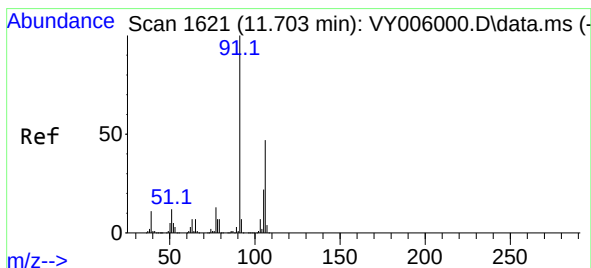
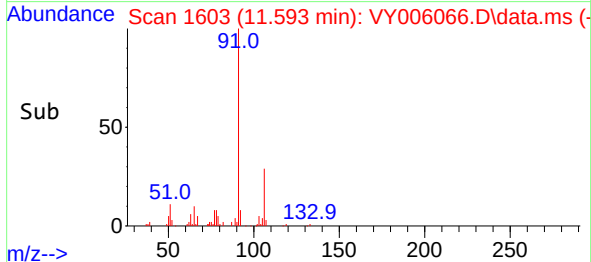
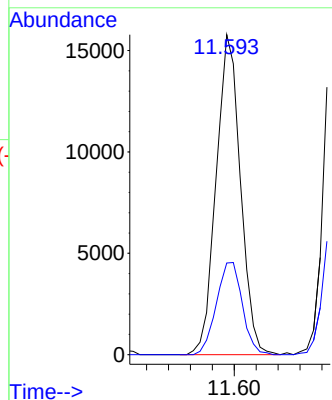
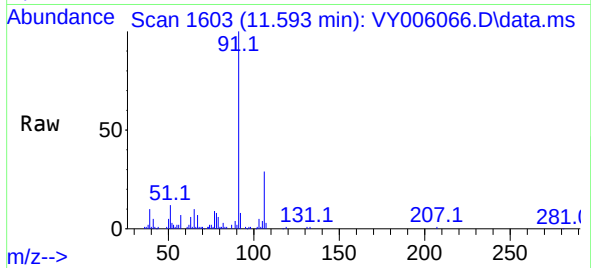
#67
Ethyl Benzene
Concen: 2.936 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

Tgt Ion: 91 Resp: 24294
Ion Ratio Lower Upper
91 100
106 28.7 24.5 36.7

Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1

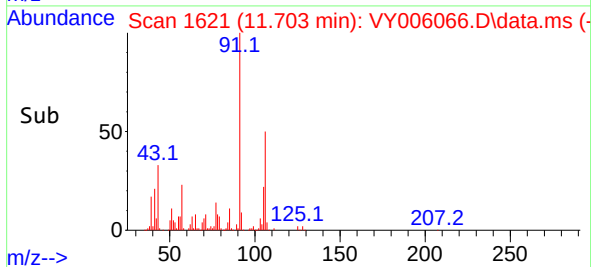
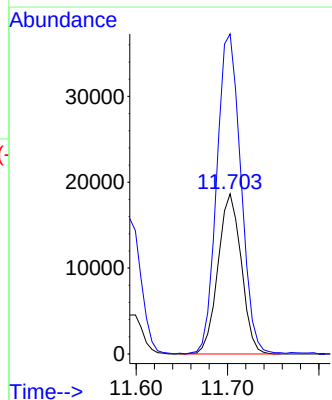
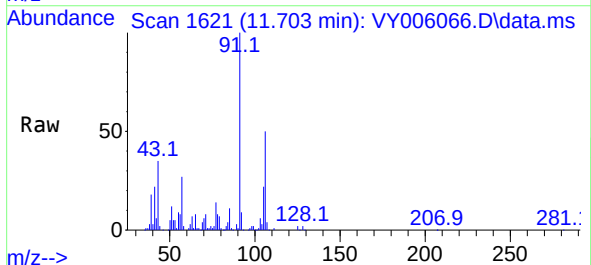
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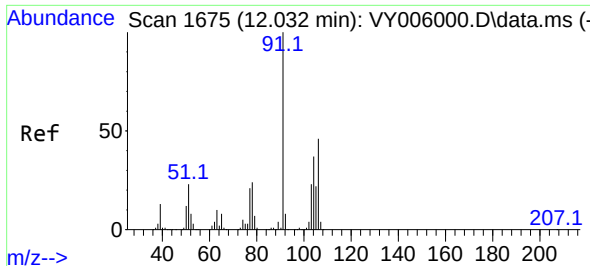
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#68
m/p-Xylenes
Concen: 10.505 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

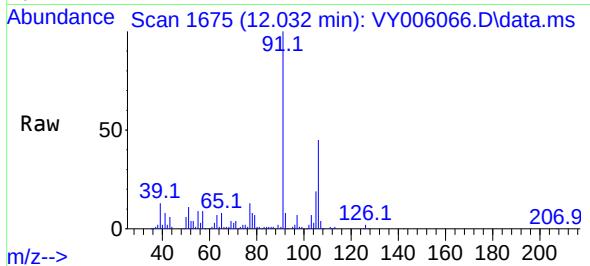
Tgt Ion: 106 Resp: 32964
Ion Ratio Lower Upper
106 100
91 207.4 166.6 249.8





#69
o-Xylene
Concen: 11.899 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

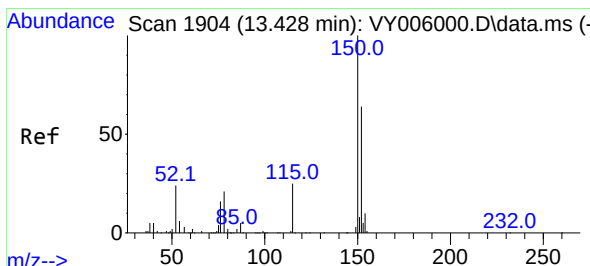
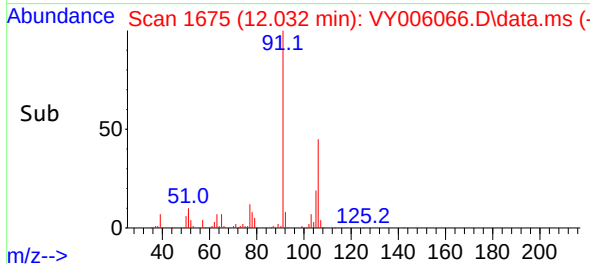
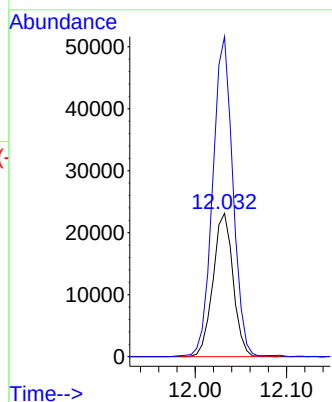
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



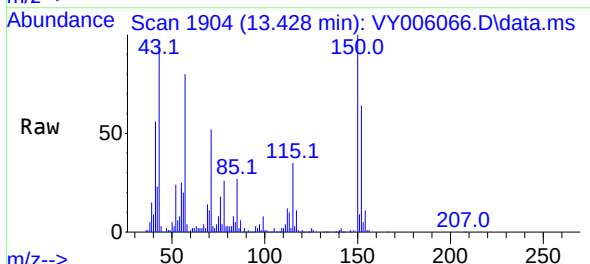
Tgt Ion:106 Resp: 35263
Ion Ratio Lower Upper
106 100
91 224.3 110.3 331.0

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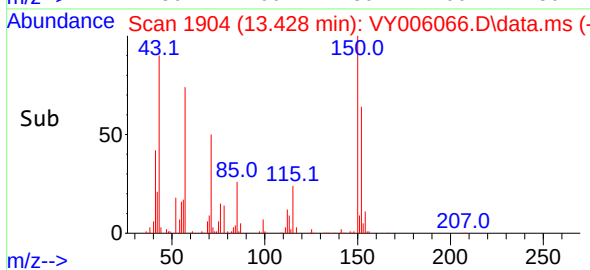
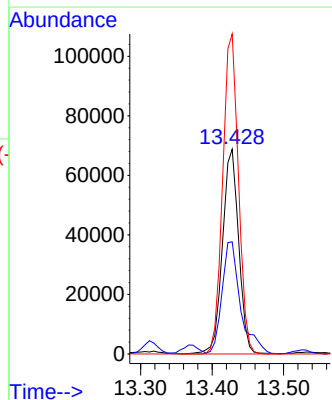
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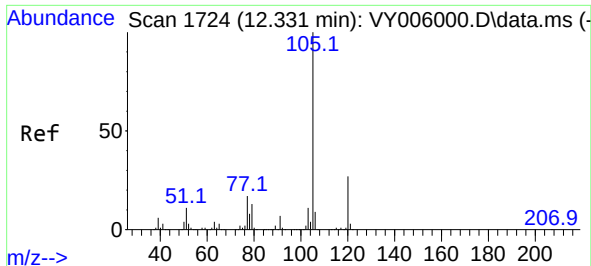


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



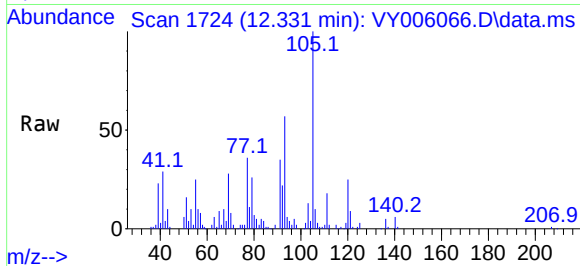
Tgt Ion:152 Resp: 108339
Ion Ratio Lower Upper
152 100
115 62.2 28.2 84.7
150 151.6 0.0 347.6





#73
Isopropylbenzene
Concen: 4.033 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

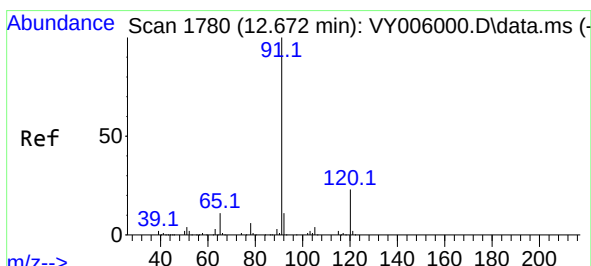
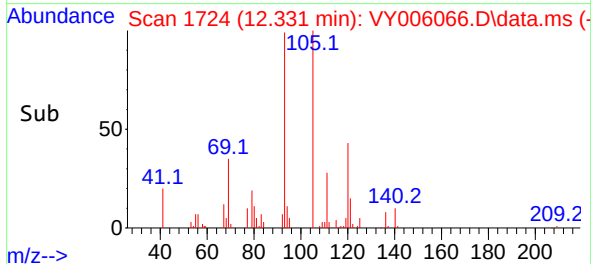
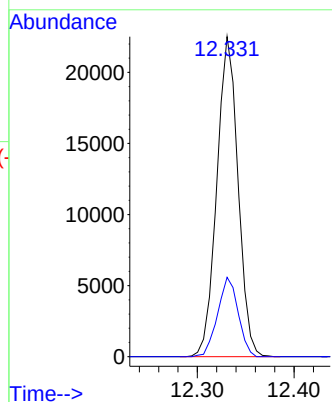
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



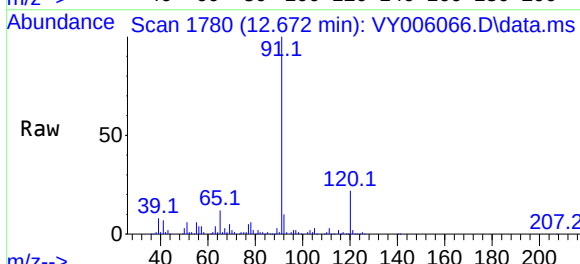
Tgt Ion:105 Resp: 34218
Ion Ratio Lower Upper
105 100
120 24.0 13.4 40.2

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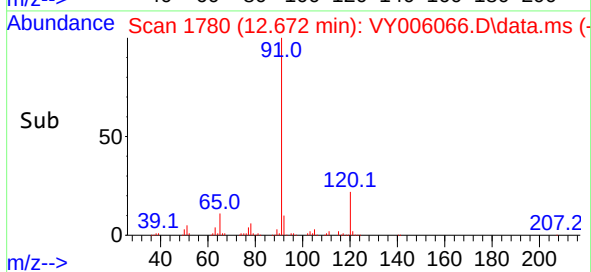
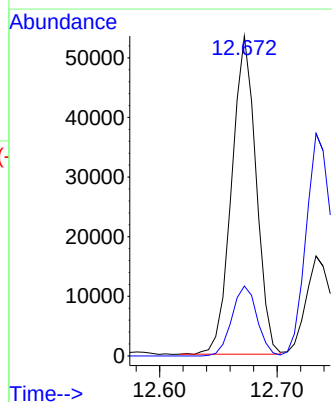
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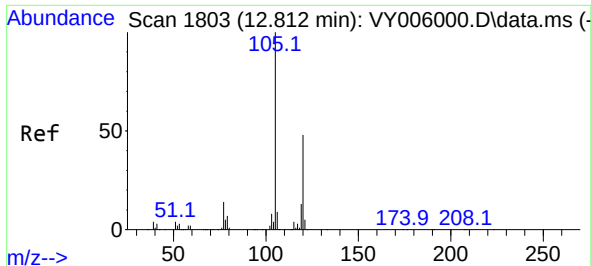


#78
n-propylbenzene
Concen: 7.338 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



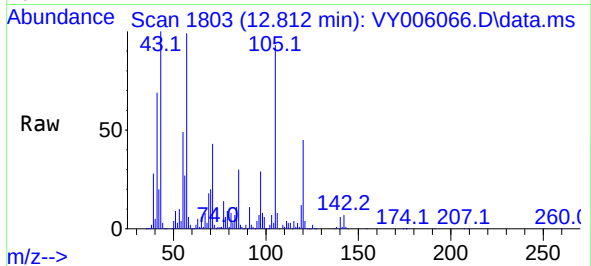
Tgt Ion: 91 Resp: 77019
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#80
1,3,5-Trimethylbenzene
Concen: 25.069 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

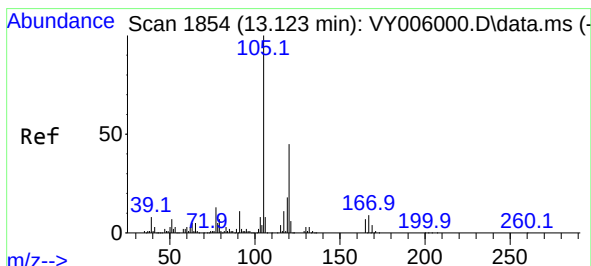
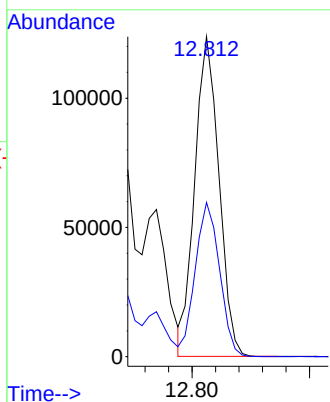
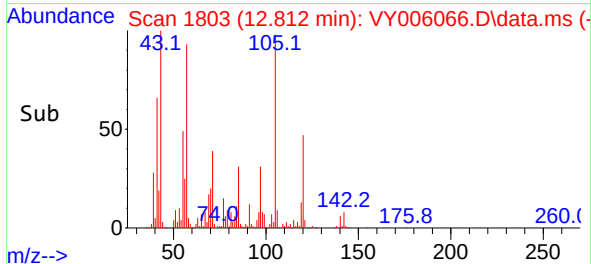
Instrument :
MSVOA_Y
ClientSampleId :
PRE-CLASS-WASTE-1



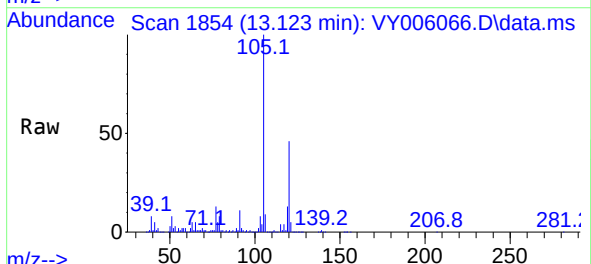
Tgt Ion:105 Resp: 176383
Ion Ratio Lower Upper
105 100
120 48.6 24.4 73.4

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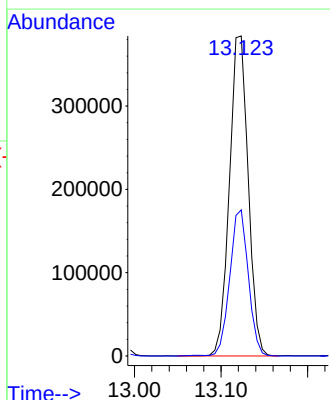
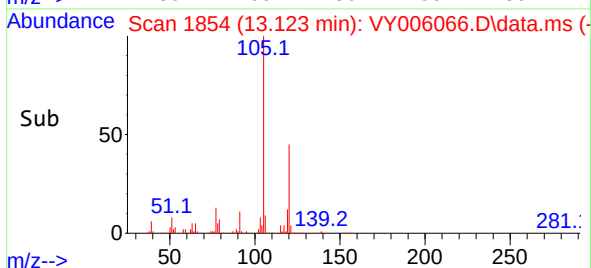
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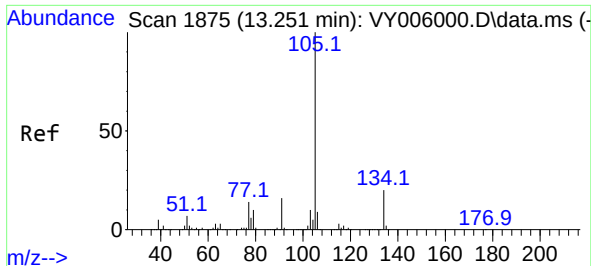


#84
1,2,4-Trimethylbenzene
Concen: 82.894 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19



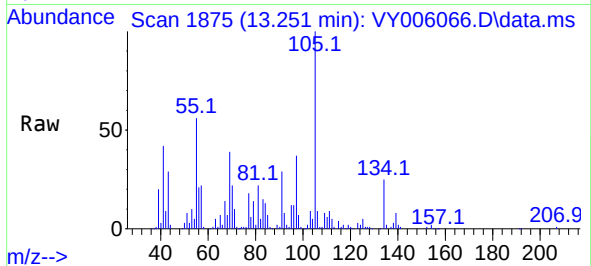
Tgt Ion:105 Resp: 578644
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 4.676 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY006066.D
 Acq: 17 Sep 2021 13:19

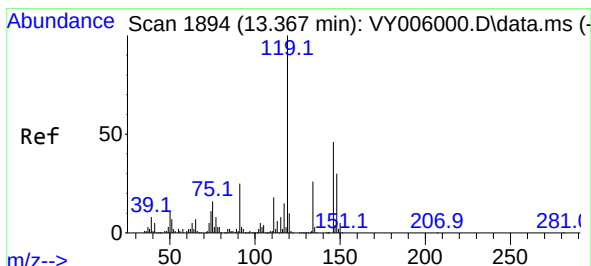
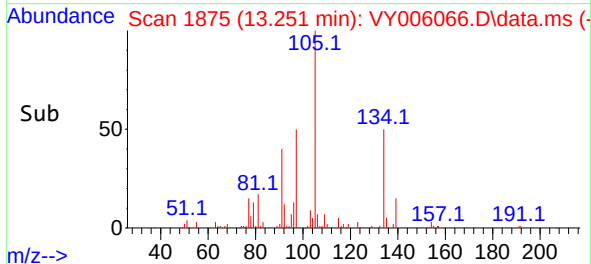
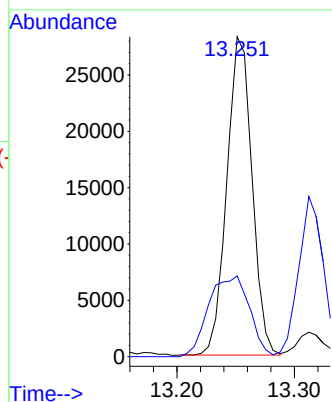
Instrument :
 MSVOA_Y
 ClientSampleId :
 PRE-CLASS-WASTE-1



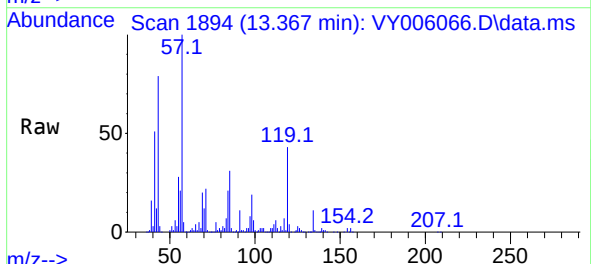
Tgt Ion:105 Resp: 42122
 Ion Ratio Lower Upper
 105 100
 134 40.9 10.2 30.4#

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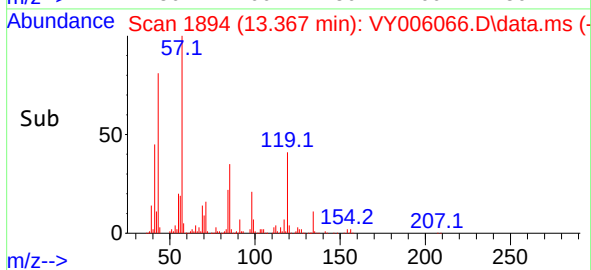
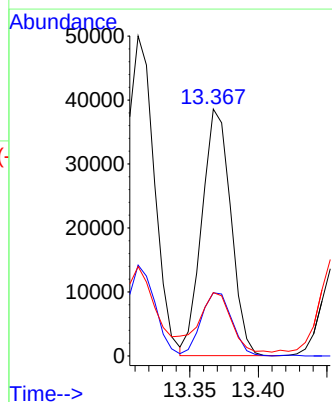
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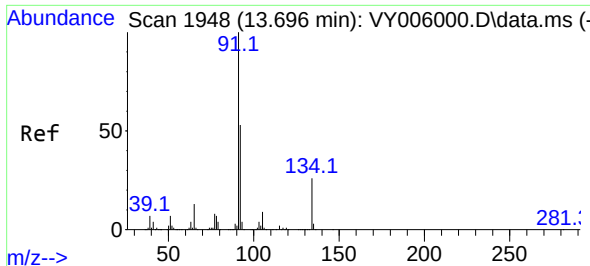


#86
 p-Isopropyltoluene
 Concen: 7.344 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY006066.D
 Acq: 17 Sep 2021 13:19



Tgt Ion:119 Resp: 56477
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.2 39.5
 91 26.2 12.4 37.2





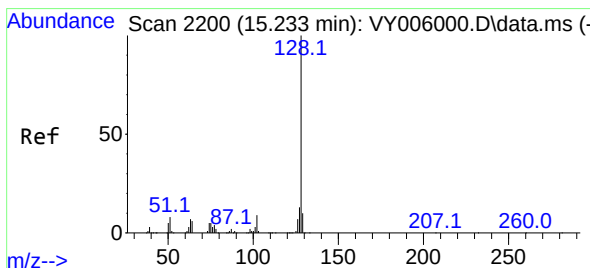
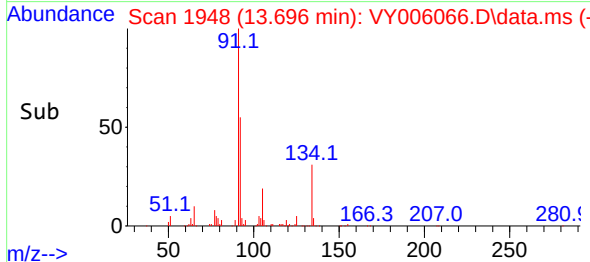
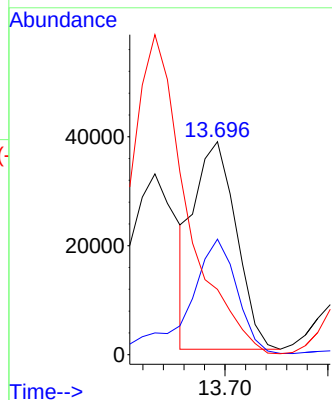
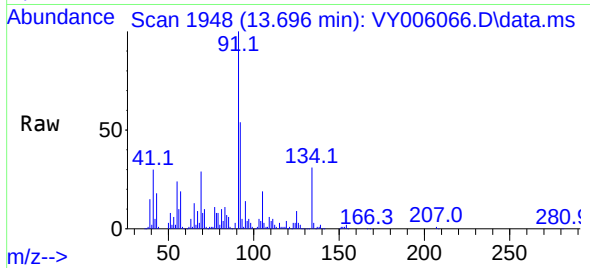
#89
n-Butylbenzene
Concen: 7.489 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

Tgt Ion:	91	Resp:	53861
Ion	Ratio	Lower	Upper
91	100		
92	63.5	26.3	78.9
134	0.0	13.0	38.9#

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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#95
Naphthalene
Concen: 27.852 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY006066.D
Acq: 17 Sep 2021 13:19

Tgt Ion:	128	Resp:	120559
Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.0	16.4
129	12.2	8.4	12.6

