

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
 Data File : VY005548.D
 Acq On : 05 Aug 2021 12:18
 Operator : SY/MD
 Sample : M3281-01RE
 Misc : 6.64G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TWP03RE

Manual Integrations
 APPROVED

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 8/6/2021 5:41:44 PM

Quant Time: Aug 06 04:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	241411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	393310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	319128	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	258282	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	142319	58.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.480%	
35) Dibromofluoromethane	7.728	113	117479	53.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.185	98	590514	63.941	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 127.880%	
62) 4-Bromofluorobenzene	12.477	95	371295	121.408	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 242.820%#	
Target Compounds						Qvalue
16) Acetone	3.960	43	20473	33.229	ug/l	96
17) Carbon Disulfide	4.204	76	18871	2.942	ug/l	98
25) 2-Butanone	7.003	43	9123	10.017	ug/l	# 69
31) Cyclohexane	7.795	56	78620	18.757	ug/l	98
39) Methylcyclohexane	9.185	83	534819	113.954	ug/l	96
40) Benzene	8.167	78	37965	3.594	ug/l	94
52) Toluene	10.246	92	34682	5.149	ug/l	94
67) Ethyl Benzene	11.593	91	50966	4.377	ug/l	98
68) m/p-Xylenes	11.703	106	80653	17.832	ug/l	83
69) o-Xylene	12.032	106	38537	8.865	ug/l	53
73) Isopropylbenzene	12.331	105	353864	19.628	ug/l	98
78) n-propylbenzene	12.672	91	536783	25.068	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	119145	7.963	ug/l	99
83) tert-Butylbenzene	13.075	119	186290	13.876	ug/l	86
84) 1,2,4-Trimethylbenzene	13.123	105	319431	21.637	ug/l	100
85) sec-Butylbenzene	13.258	105	1189082	61.405	ug/l	# 73
86) p-Isopropyltoluene	13.373	119	57027m	3.430	ug/l	
89) n-Butylbenzene	13.703	91	729557	48.436	ug/l	# 74

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

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Abundance

TIC: VY005548.D\data.ms

Time-->

Acetone, T
Carbon Disulfide, T

2-Butanone, T

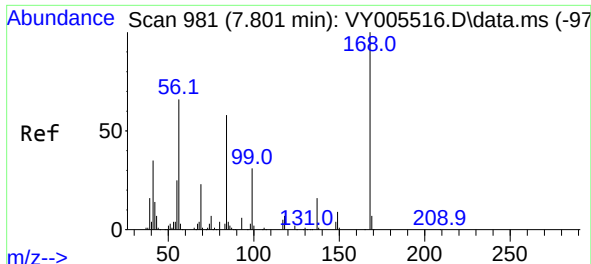
Dichloromethane, S
Dichloromethane, I
Benzene, T
Benzene, I
1,4-Difluorobenzene, I

Methylcyclohexane, T

Toluene, CM Toluene-d8, S

Chlorobenzene-d5, I
Chlorobenzene, I
o-Xylene, I
Isopropylbenzene, T
4-Bromofluorobenzene, S
n-Propylbenzene, I

1,3,5-Trimethylbenzene, T
1,2,4,5-Tetramethylbenzene, T
1,2,4,5-Tetramethylbenzene, I
sec-Butylbenzene, I
1,4-Dichlorobenzene, T
p-Butylbenzene, I



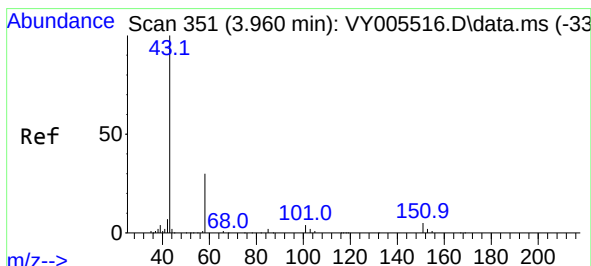
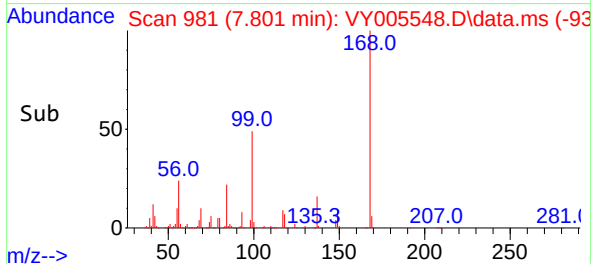
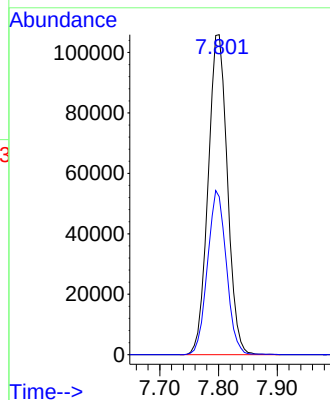
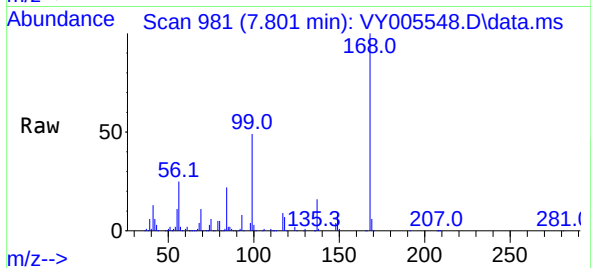
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:168 Resp: 241411
Ion Ratio Lower Upper
168 100
99 49.4 38.9 58.3

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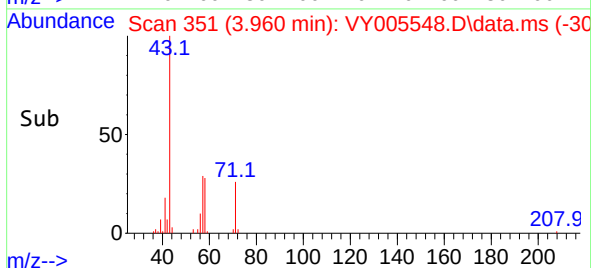
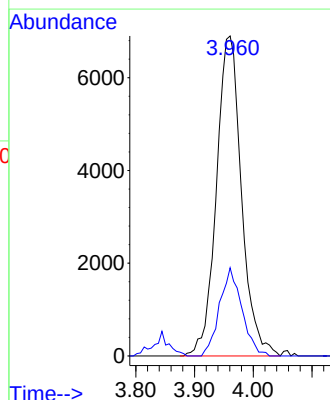
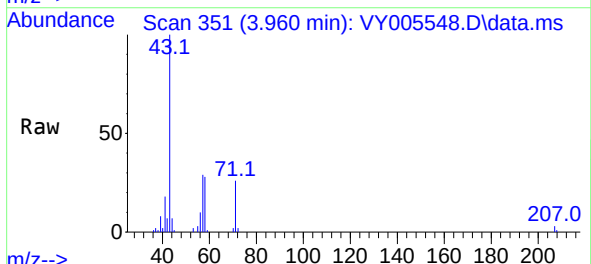
Manual Integrations
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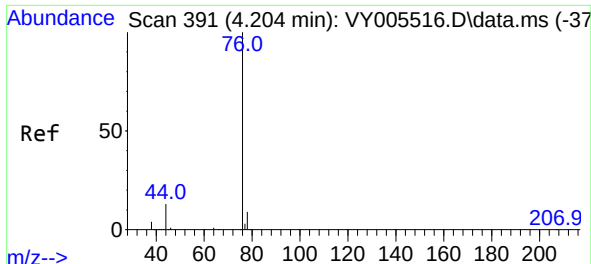
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#16
Acetone
Concen: 33.229 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

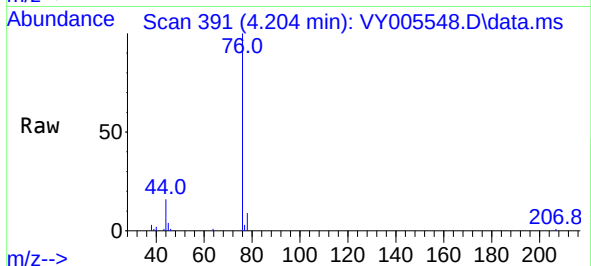
Tgt Ion: 43 Resp: 20473
Ion Ratio Lower Upper
43 100
58 27.5 23.8 35.6





#17
Carbon Disulfide
Concen: 2.942 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

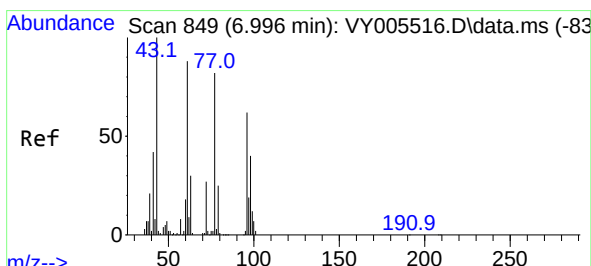
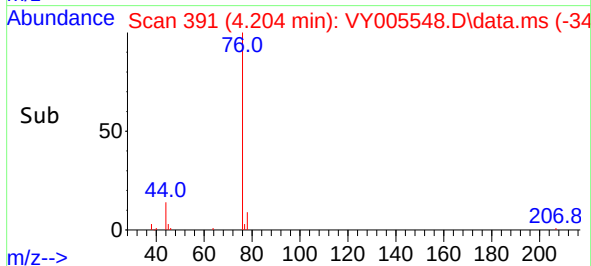
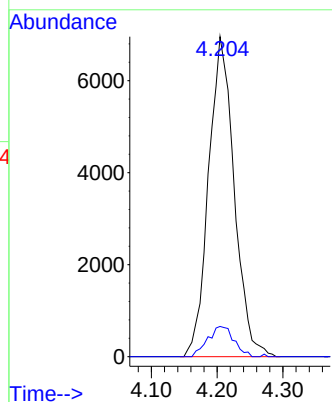
Instrument :
MSVOA_Y
ClientSampleId :
TWP03RE



Tgt Ion: 76 Resp: 18871
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

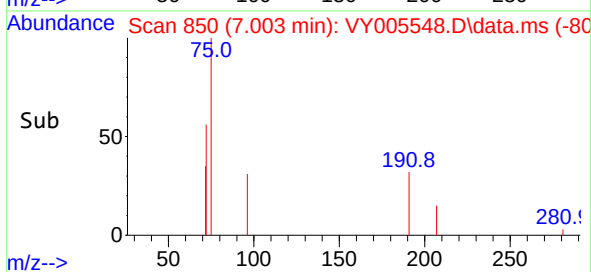
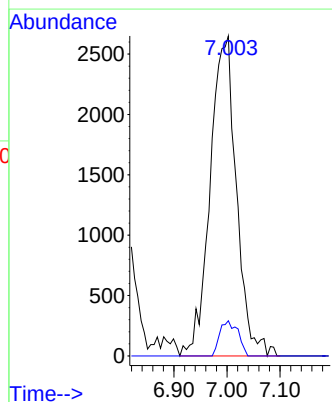
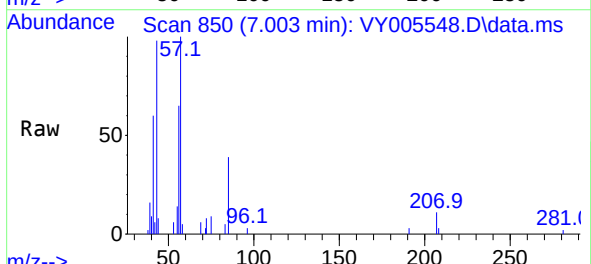
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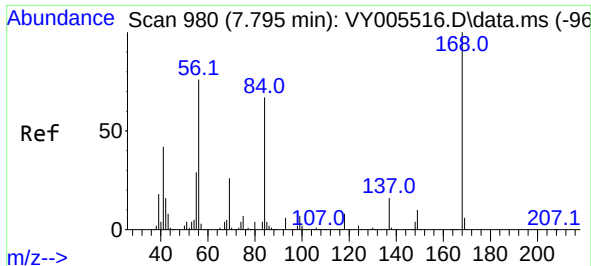
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#25
2-Butanone
Concen: 10.017 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

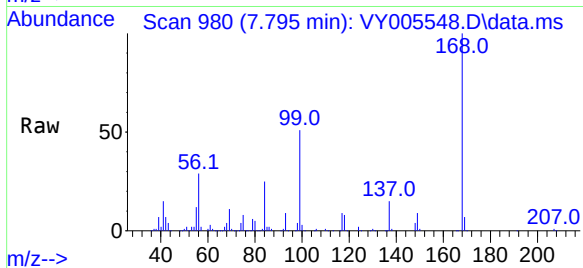
Tgt Ion: 43 Resp: 9123
Ion Ratio Lower Upper
43 100
72 11.0 21.4 32.2#





#31
Cyclohexane
Concen: 18.757 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

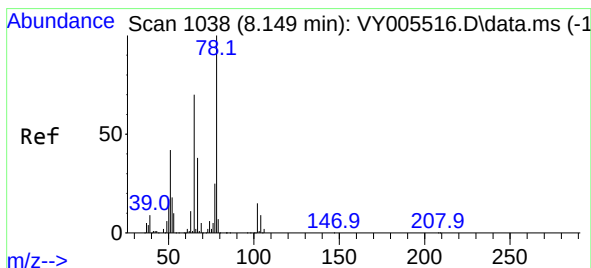
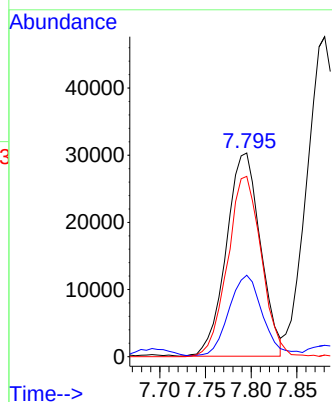
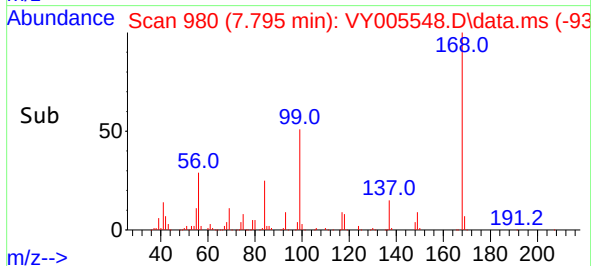
Instrument :
MSVOA_Y
ClientSampleId :
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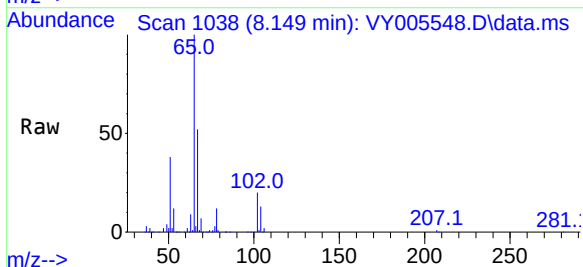
Tgt Ion: 56 Resp: 78620
Ion Ratio Lower Upper
56 100
69 38.9 27.7 41.5
84 88.7 70.9 106.3

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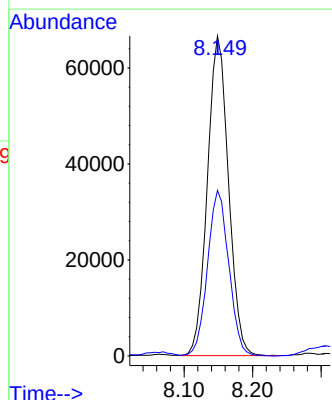
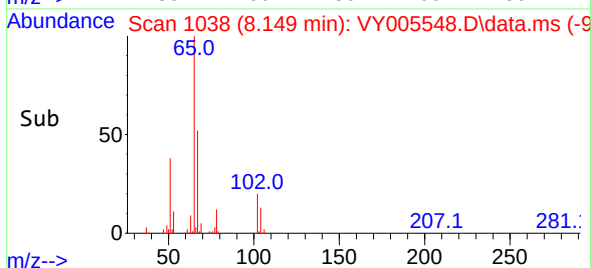
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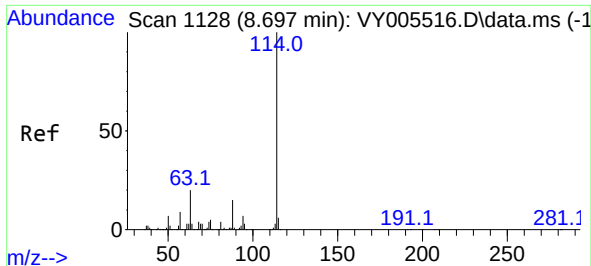


#33
1,2-Dichloroethane-d4
Concen: 58.240 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005548.D
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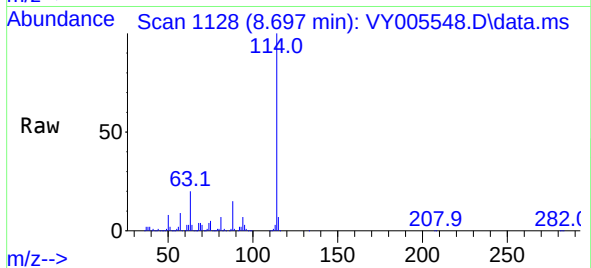
Tgt Ion: 65 Resp: 142319
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

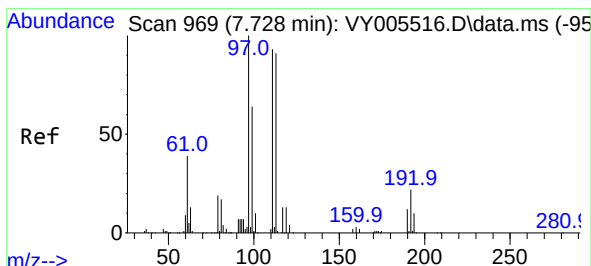
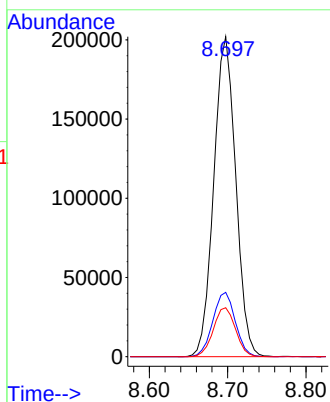
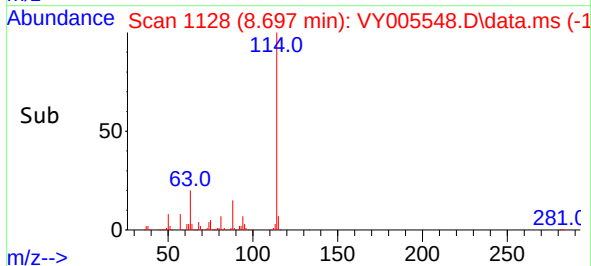
Instrument :
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ClientSampleId :
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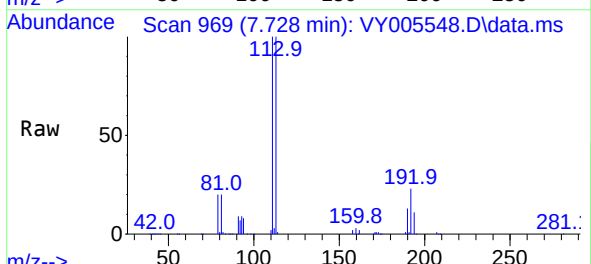
Tgt Ion:114 Resp: 393310
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.2
88 15.3 0.0 30.8

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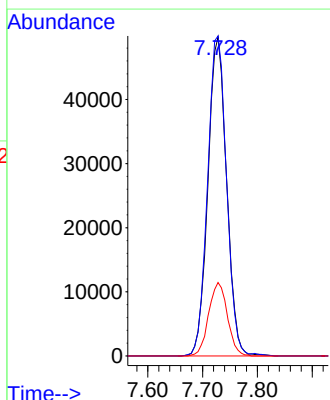
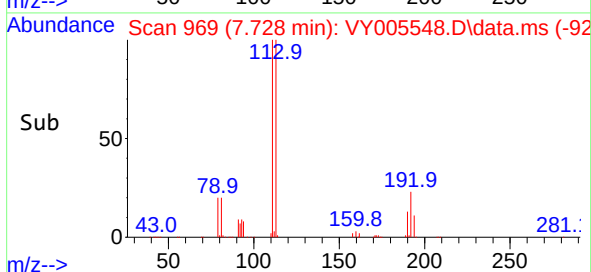
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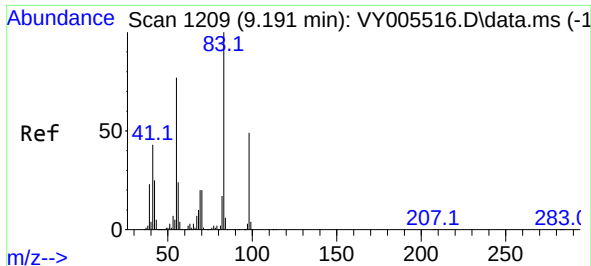


#35
Dibromofluoromethane
Concen: 53.350 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18



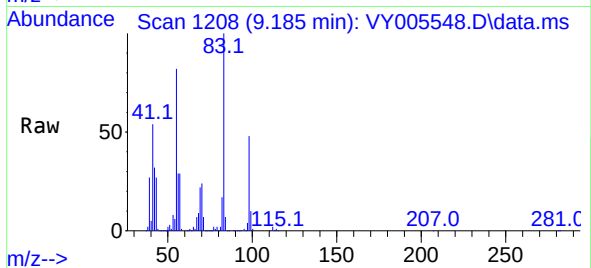
Tgt Ion:113 Resp: 117479
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 23.1 19.2 28.8





#39
Methylcyclohexane
Concen: 113.954 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

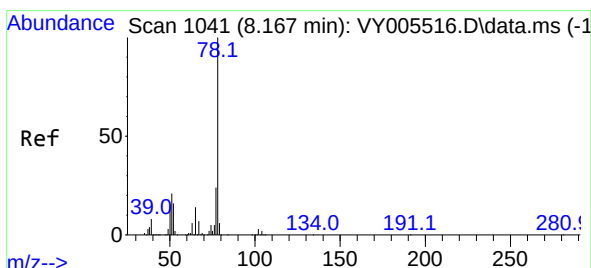
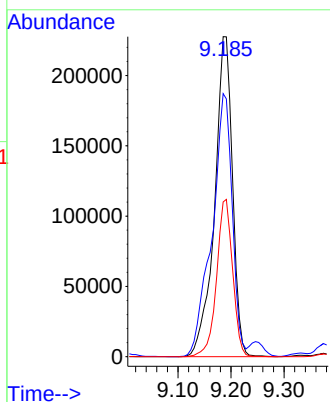
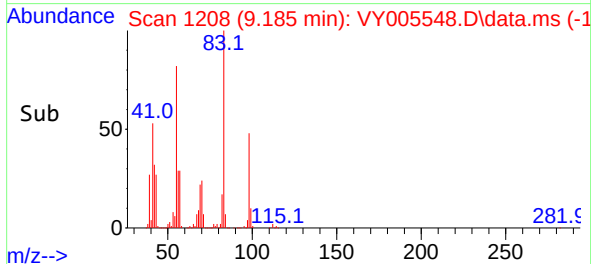
Instrument :
MSVOA_Y
ClientSampled :
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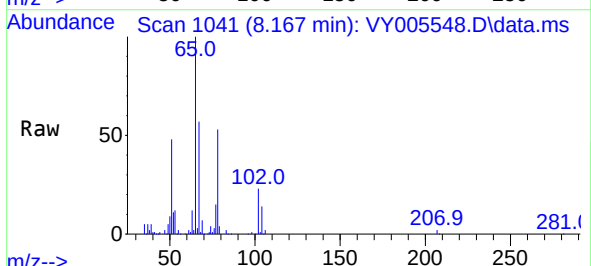
Tgt Ion: 83 Resp: 534819
Ion Ratio Lower Upper
83 100
55 82.2 61.7 92.5
98 48.4 38.9 58.3

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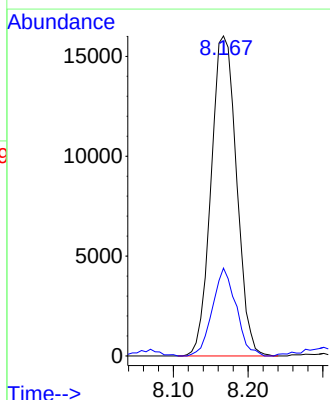
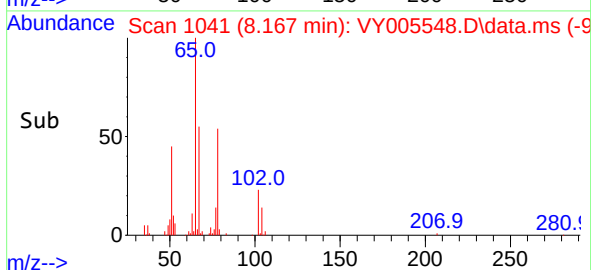
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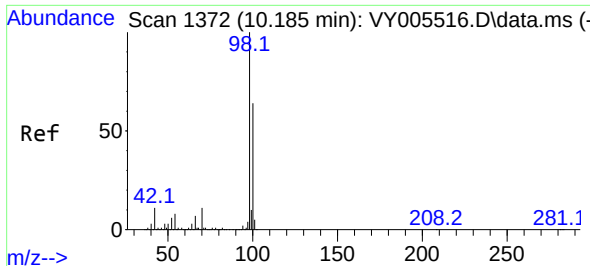


#40
Benzene
Concen: 3.594 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18



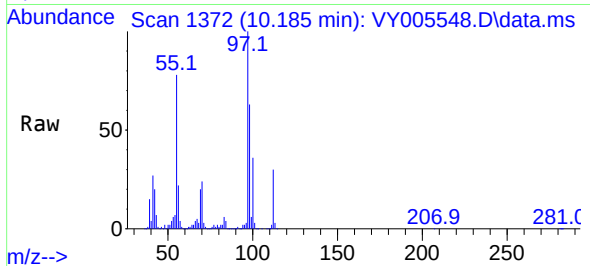
Tgt Ion: 78 Resp: 37965
Ion Ratio Lower Upper
78 100
77 27.5 19.6 29.4





#50
Toluene-d8
Concen: 63.941 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

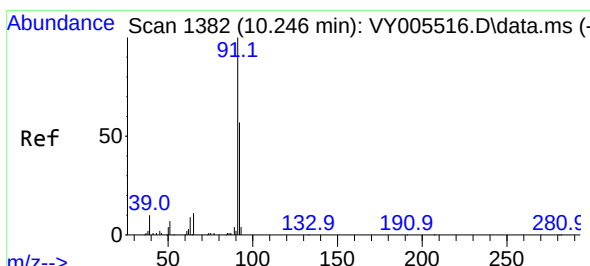
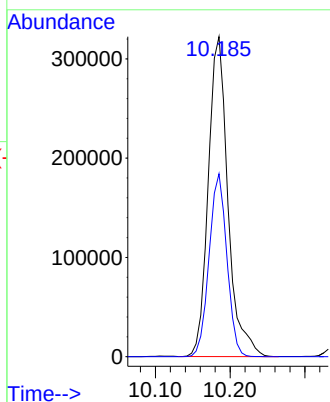
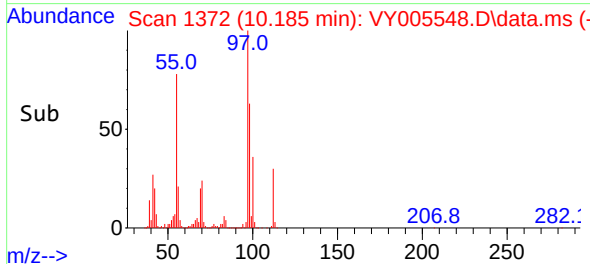
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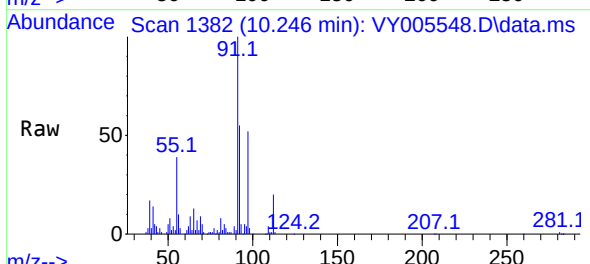
Tgt Ion: 98 Resp: 590514
Ion Ratio Lower Upper
98 100
100 51.6 51.3 76.9

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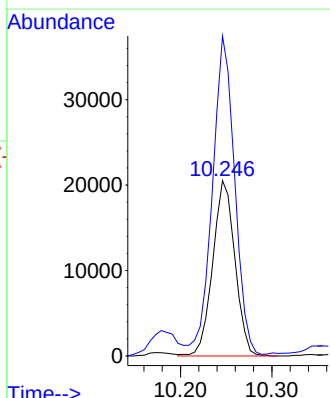
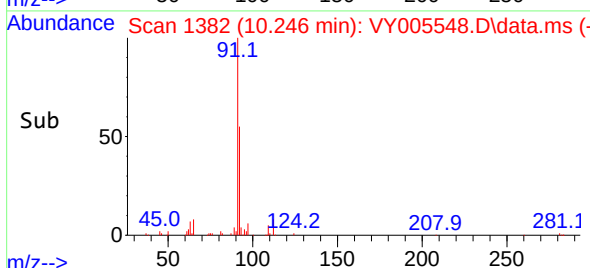
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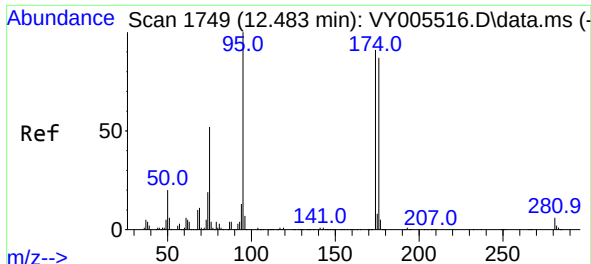


#52
Toluene
Concen: 5.149 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18



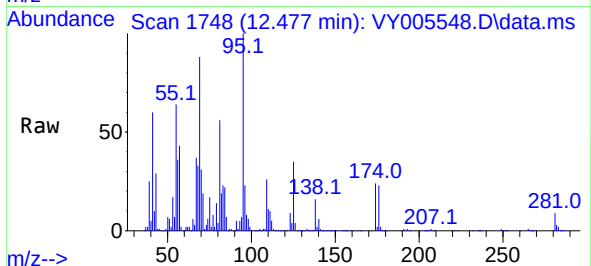
Tgt Ion: 92 Resp: 34682
Ion Ratio Lower Upper
92 100
91 183.4 139.6 209.4





#62
4-Bromofluorobenzene
Concen: 121.408 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

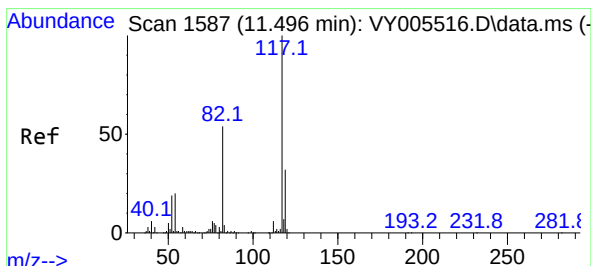
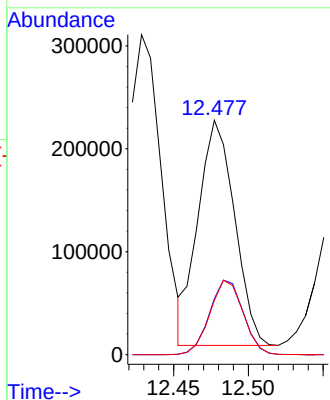
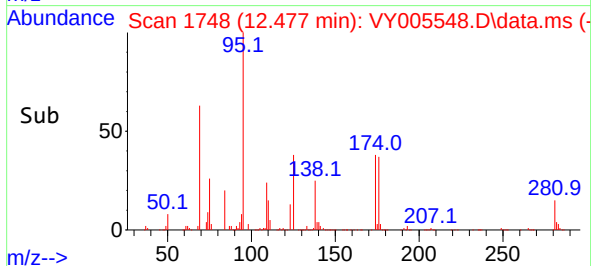
Instrument :
MSVOA_Y
ClientSampleId :
TWP03RE



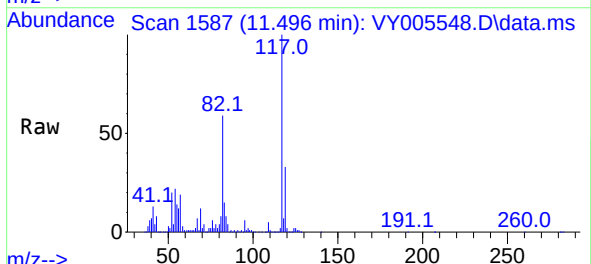
Tgt Ion: 95 Resp: 371295
Ion Ratio Lower Upper
95 100
174 30.6 0.0 191.4
176 30.1 0.0 183.6

Manual Integrations
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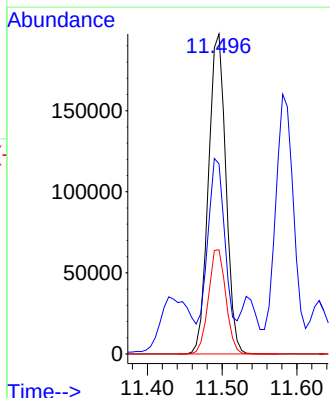
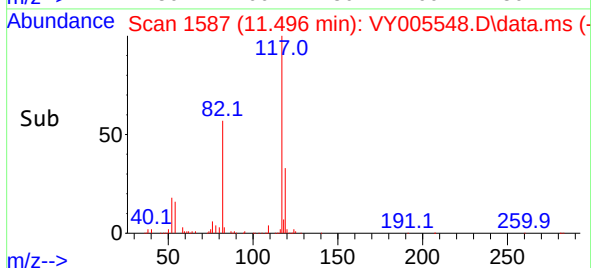
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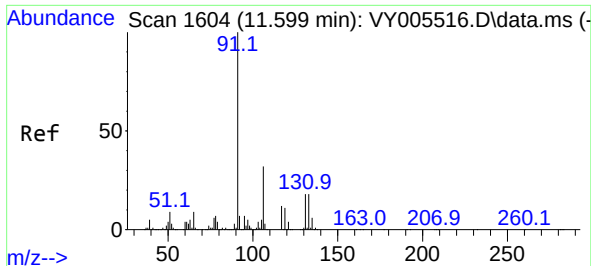


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18



Tgt Ion: 117 Resp: 319128
Ion Ratio Lower Upper
117 100
82 43.3 43.5 65.3#
119 32.5 25.5 38.3





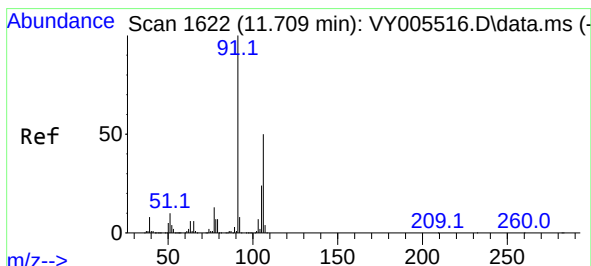
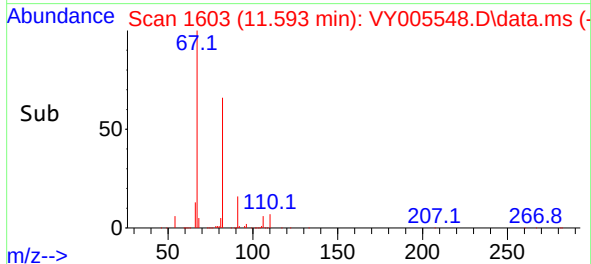
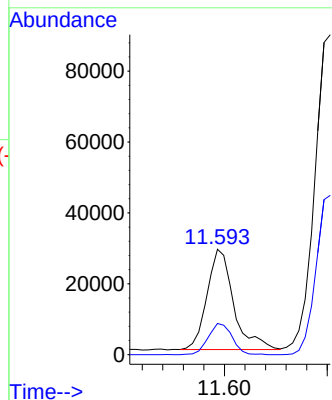
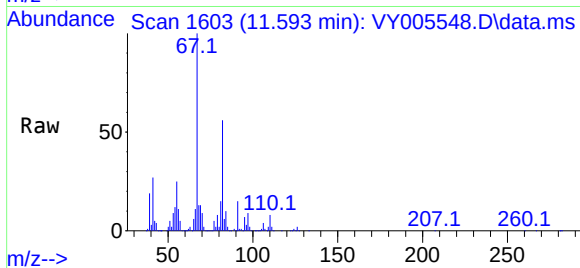
#67
Ethyl Benzene
Concen: 4.377 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion: 91 Resp: 50966
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.6

Instrument :
MSVOA_Y
ClientSampled :
TWP03RE

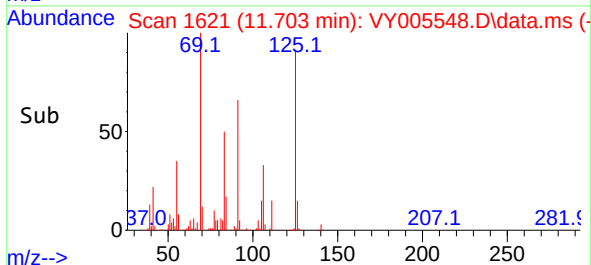
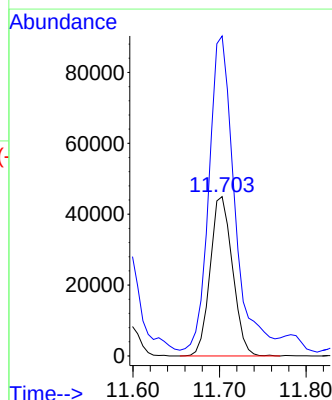
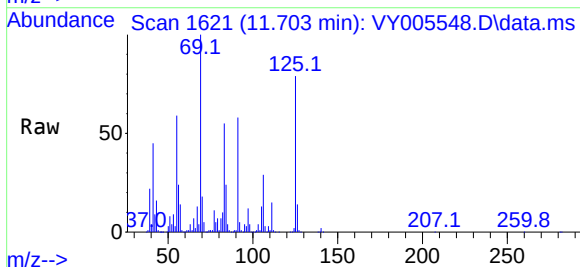
Manual Integrations
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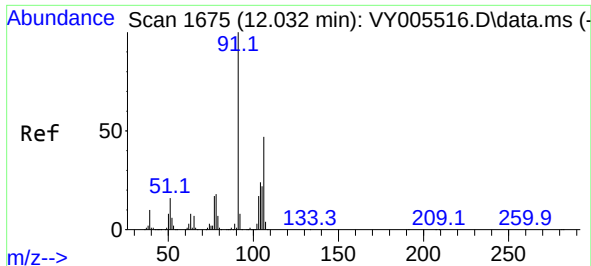
MMDadoda
8/6/2021 5:41:44 PM



#68
m/p-Xylenes
Concen: 17.832 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion: 106 Resp: 80653
Ion Ratio Lower Upper
106 100
91 225.7 159.6 239.4





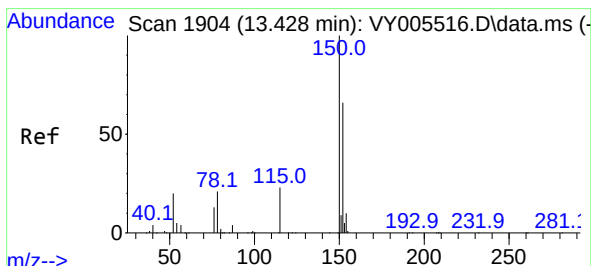
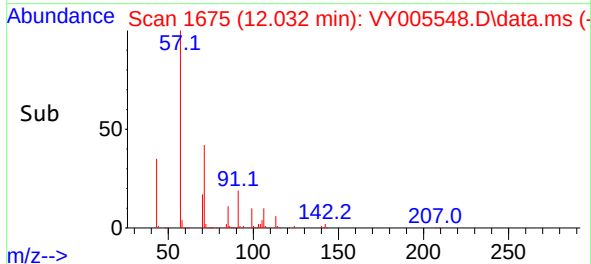
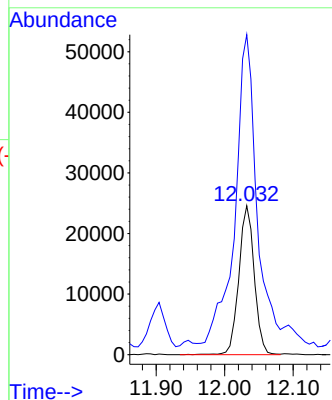
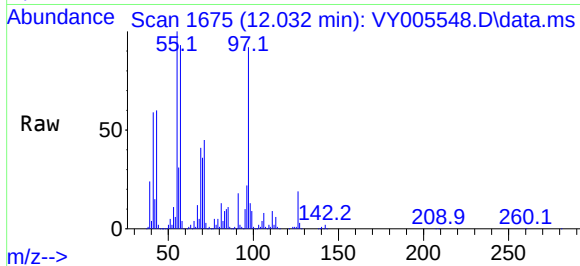
#69
o-Xylene
Concen: 8.865 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:106 Resp: 38537
Ion Ratio Lower Upper
106 100
91 285.8 106.2 318.6

Instrument :
MSVOA_Y
ClientSampled :
TWP03RE

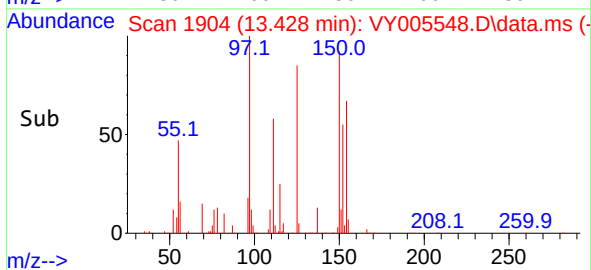
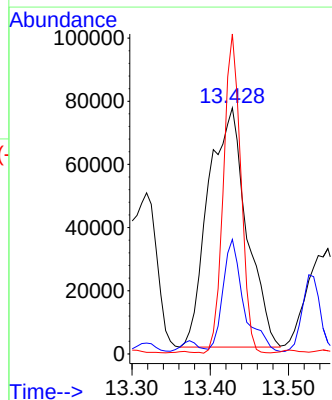
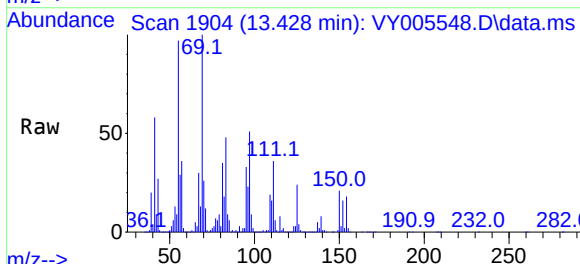
Manual Integrations
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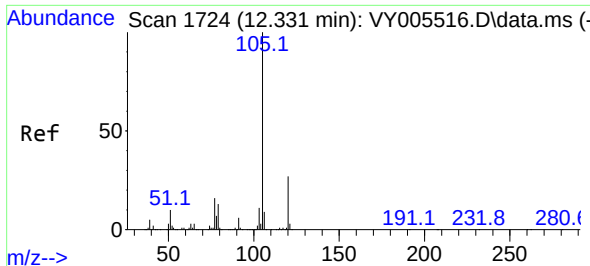
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8/6/2021 5:41:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

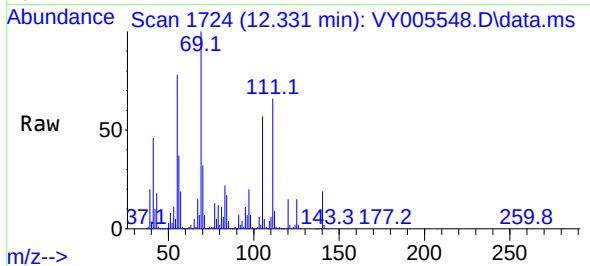
Tgt Ion:152 Resp: 258282
Ion Ratio Lower Upper
152 100
115 25.3 27.3 81.9#
150 60.2 0.0 350.2





#73
Isopropylbenzene
Concen: 19.628 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

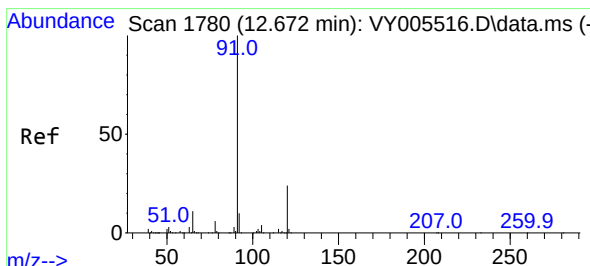
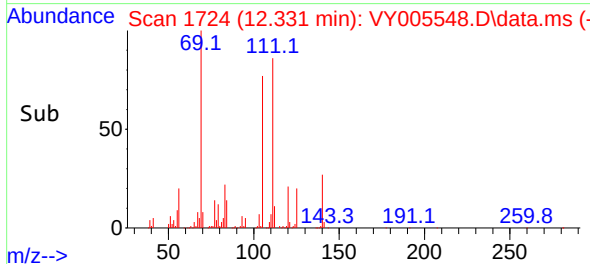
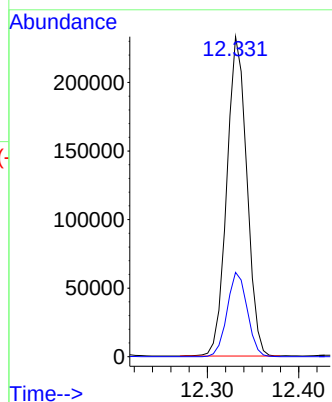
Instrument :
MSVOA_Y
ClientSampled :
TWP03RE



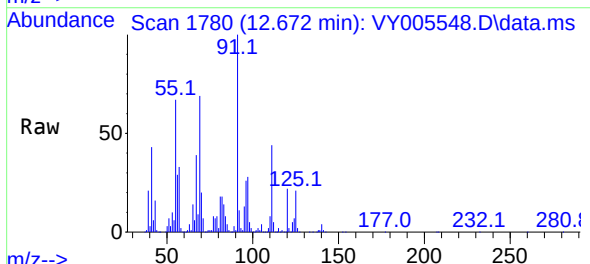
Tgt Ion:105 Resp: 353864
Ion Ratio Lower Upper
105 100
120 26.5 13.7 41.1

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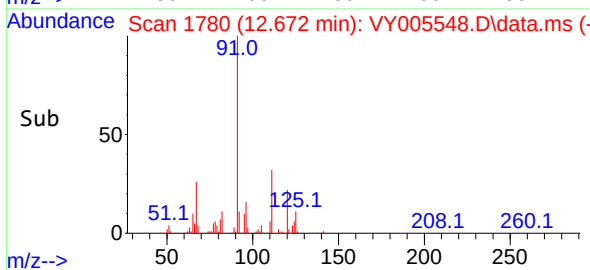
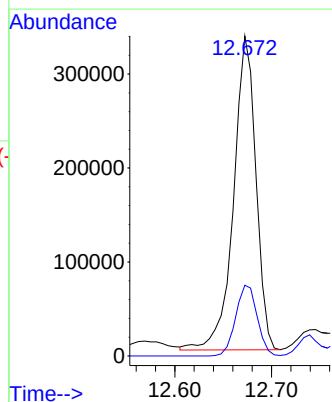
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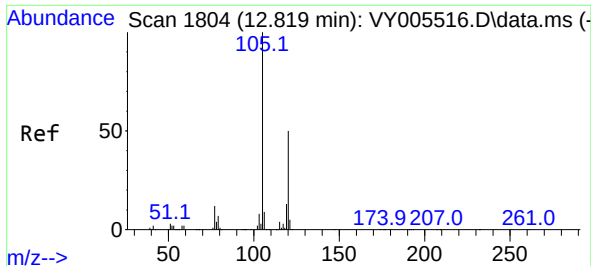


#78
n-propylbenzene
Concen: 25.068 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18



Tgt Ion: 91 Resp: 536783
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9





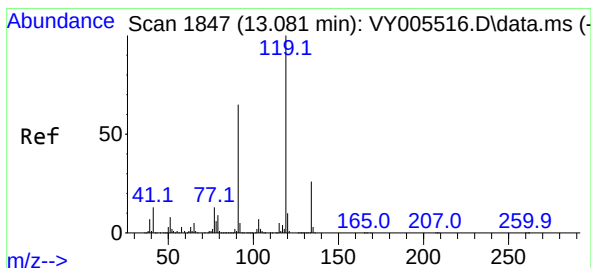
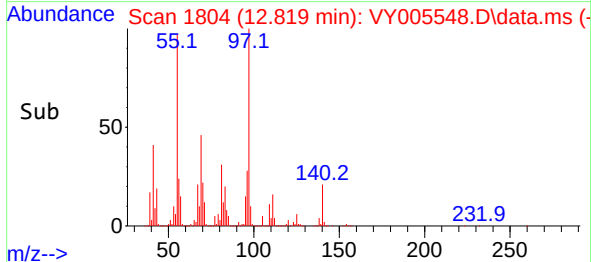
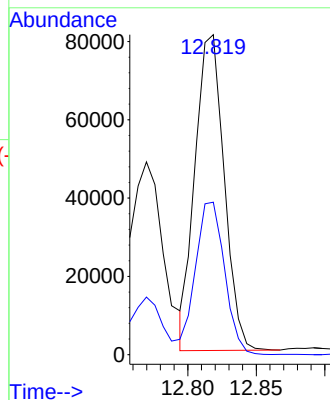
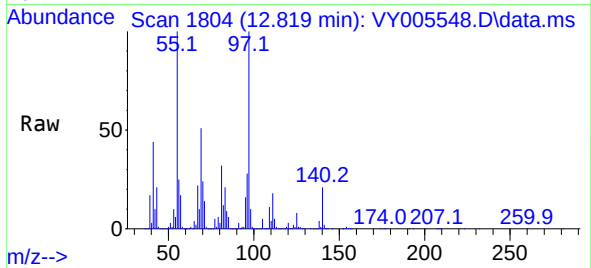
#80
1,3,5-Trimethylbenzene
Concen: 7.963 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:105 Resp: 119145
Ion Ratio Lower Upper
105 100
120 49.1 25.0 75.0

Instrument :
MSVOA_Y
ClientSampleId :
TWP03RE

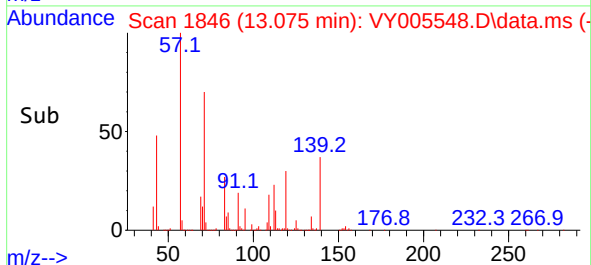
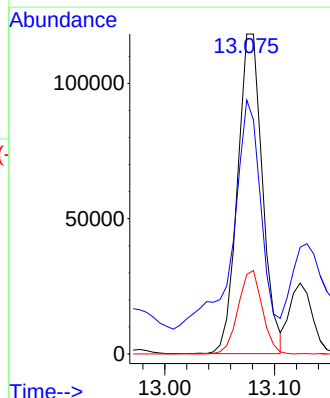
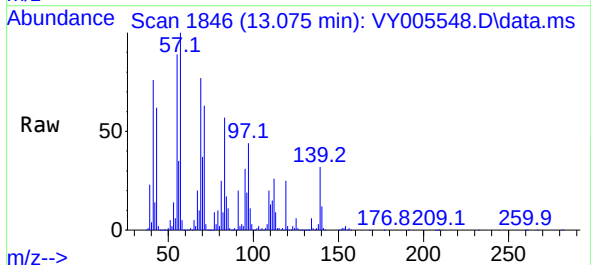
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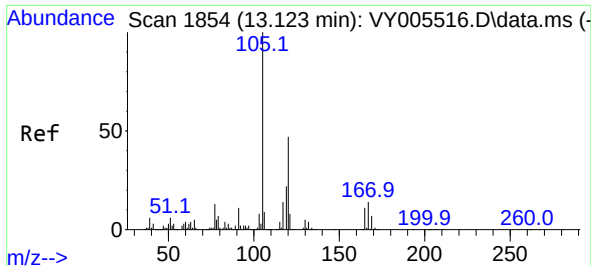
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#83
tert-Butylbenzene
Concen: 13.876 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.006 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:119 Resp: 186290
Ion Ratio Lower Upper
119 100
91 78.6 31.9 95.9
134 25.3 13.4 40.2





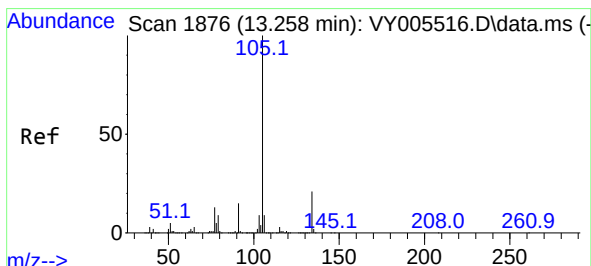
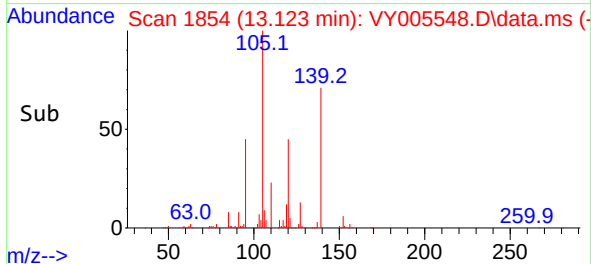
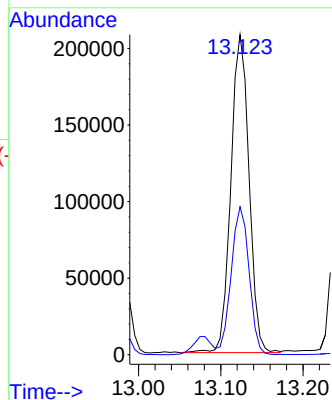
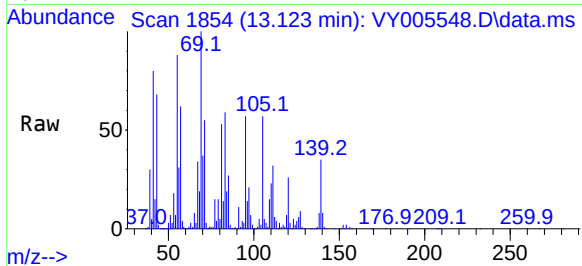
#84
1,2,4-Trimethylbenzene
Concen: 21.637 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:105 Resp: 319431
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.5

Instrument :
MSVOA_Y
ClientSampled :
TWP03RE

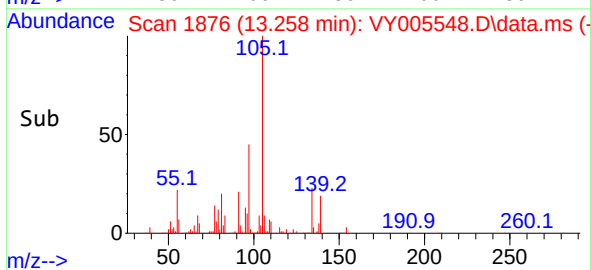
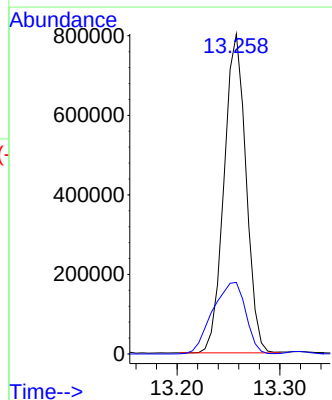
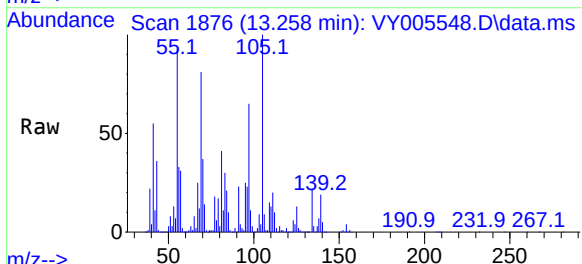
Manual Integrations
APPROVED

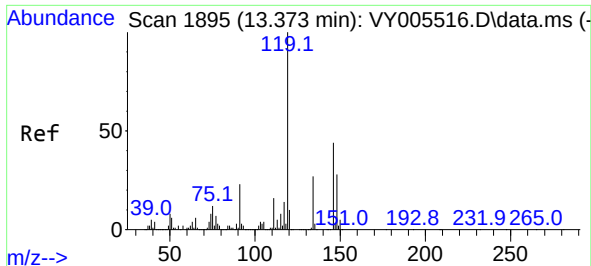
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#85
sec-Butylbenzene
Concen: 61.405 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion:105 Resp: 1189082
Ion Ratio Lower Upper
105 100
134 33.9 10.5 31.5#





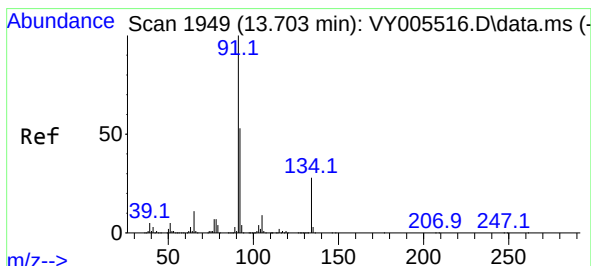
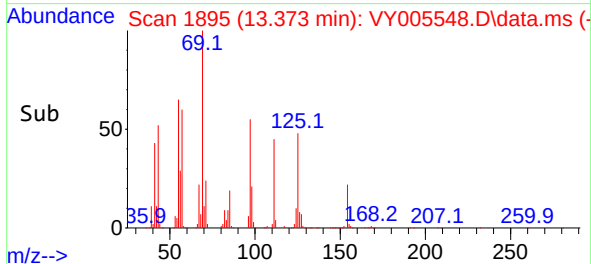
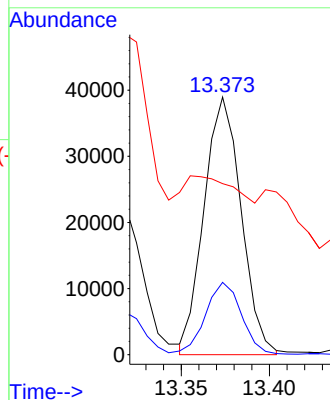
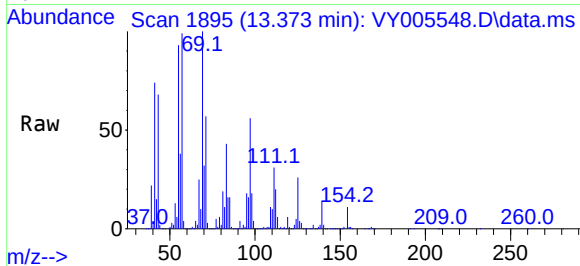
#86
p-Isopropyltoluene
Concen: 3.430 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion: 119 Resp: 57027
Ion Ratio Lower Upper
119 100
134 224.5 13.6 40.7#
91 265.7 11.6 34.7#

Instrument :
MSVOA_Y
ClientSampled :
TWP03RE

Manual Integrations
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#89
n-Butylbenzene
Concen: 48.436 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY005548.D
Acq: 05 Aug 2021 12:18

Tgt Ion: 91 Resp: 729557
Ion Ratio Lower Upper
91 100
92 44.4 26.7 80.1
134 0.0 13.8 41.4#

