

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
 Data File : VY006068.D
 Acq On : 17 Sep 2021 14:05
 Operator : SY/MD
 Sample : M3770-03
 Misc : 7.48G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUP-VST-01-(13-15)

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 6:52:21 PM

Quant Time: Sep 20 01:40:36 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	76560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	125866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	118299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126887	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42813	40.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.520%		
35) Dibromofluoromethane	7.722	113	33569	42.939	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.880%		
50) Toluene-d8	10.185	98	228985	68.724	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	137.440%		
62) 4-Bromofluorobenzene	12.477	95	424350	375.114	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	750.220%#		
Target Compounds					Qvalue	
16) Acetone	3.954	43	5975	20.484	ug/l #	89
17) Carbon Disulfide	4.198	76	8919	3.494	ug/l #	94
27) cis-1,2-Dichloroethene	6.978	96	1159	1.212	ug/l	72
31) Cyclohexane	7.783	56	29654	17.407	ug/l #	77
39) Methylcyclohexane	9.185	83	347625	206.455	ug/l	97
64) Tetrachloroethene	10.721	164	25182	26.026	ug/l	98
67) Ethyl Benzene	11.593	91	108632	22.578	ug/l	98
68) m/p-Xylenes	11.709	106	65830	36.082	ug/l #	70
73) Isopropylbenzene	12.337	105	807722	81.291	ug/l	98
78) n-propylbenzene	12.678	91	3056377	248.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	6195990	751.890	ug/l	98
83) tert-Butylbenzene	13.081	119	525922	74.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	11119937	1360.141	ug/l	91
85) sec-Butylbenzene	13.257	105	2354895	223.199	ug/l #	60
86) p-Isopropyltoluene	13.373	119	1846121	204.956	ug/l	98
89) n-Butylbenzene	13.696	91	1396013m	165.736	ug/l	
95) Naphthalene	15.233	128	54809	10.811	ug/l	95

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

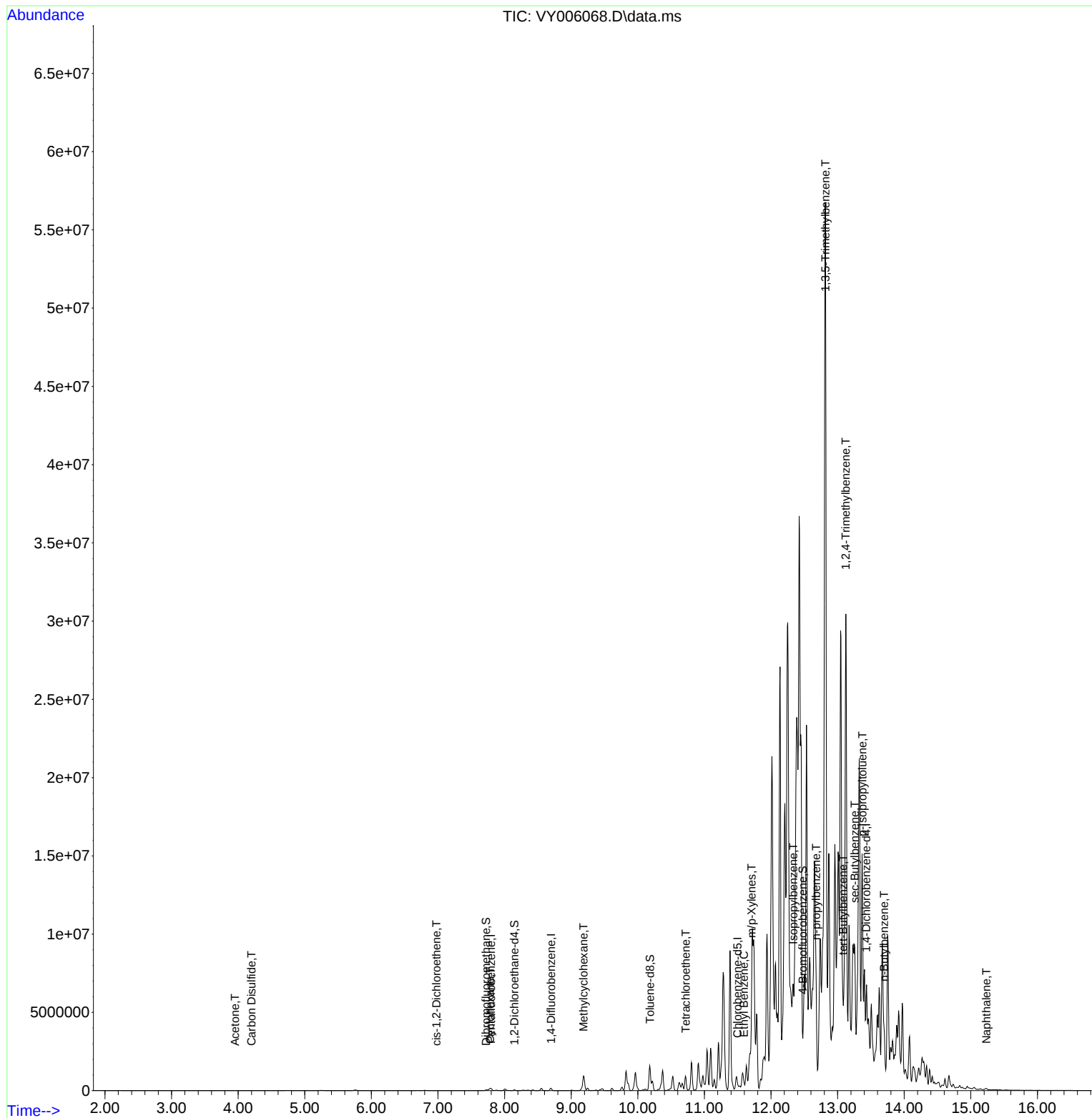
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
Data File : VY006068.D
Acq On : 17 Sep 2021 14:05
Operator : SY/MD
Sample : M3770-03
Misc : 7.48G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

Manual Integrations
APPROVED

MMDadoda
9/20/2021 6:52:21 PM

Quant Time: Sep 20 01:40:36 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





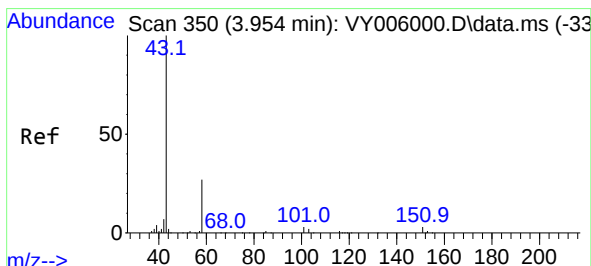
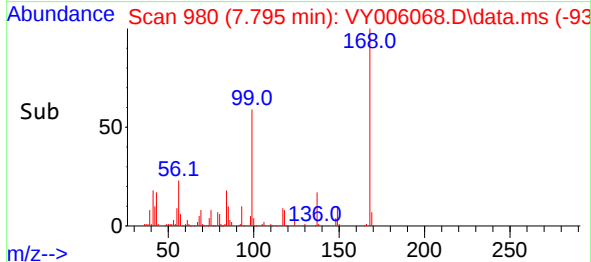
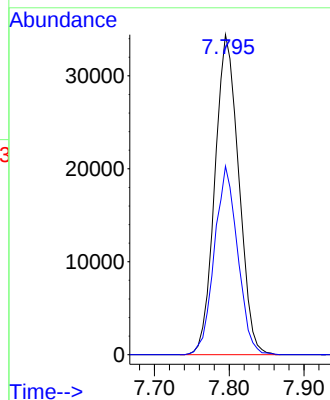
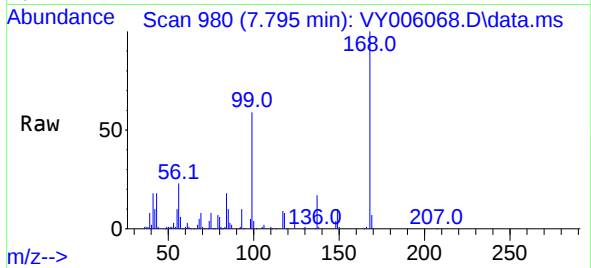
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion: 168 Resp: 76560
Ion Ratio Lower Upper
168 100
99 58.9 46.9 70.3

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

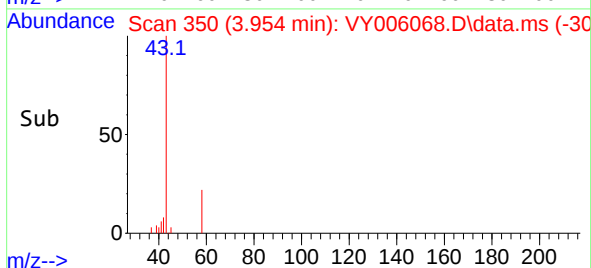
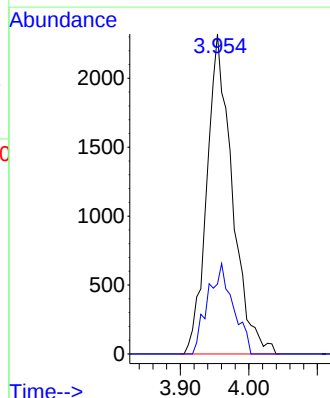
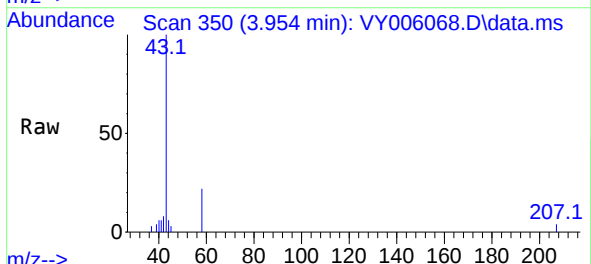
Manual Integrations
APPROVED

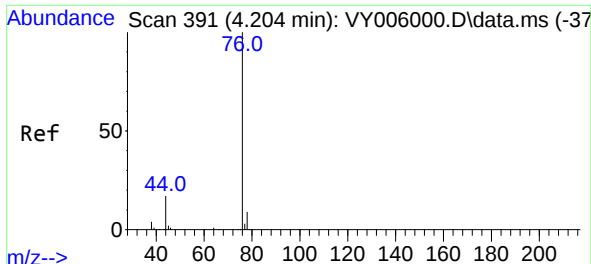
MMDadoda
9/20/2021 6:52:21 PM



#16
Acetone
Concen: 20.484 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion: 43 Resp: 5975
Ion Ratio Lower Upper
43 100
58 21.8 22.0 33.0#





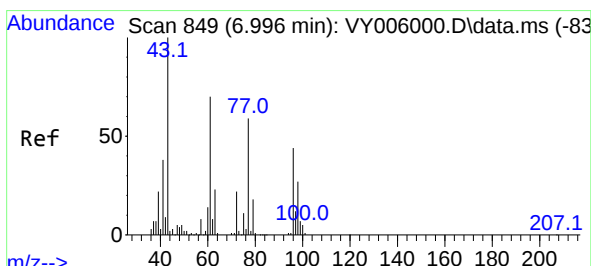
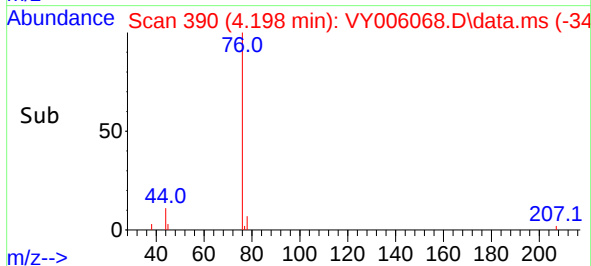
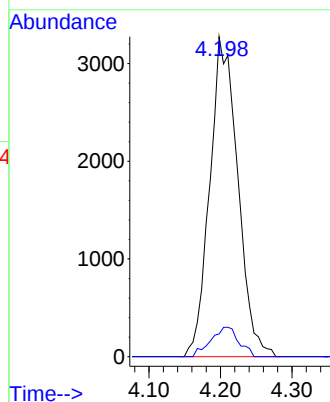
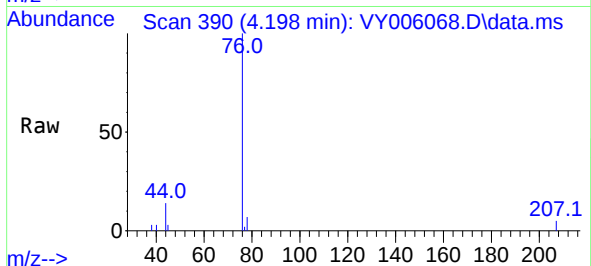
#17
Carbon Disulfide
Concen: 3.494 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion: 76 Resp: 8919
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

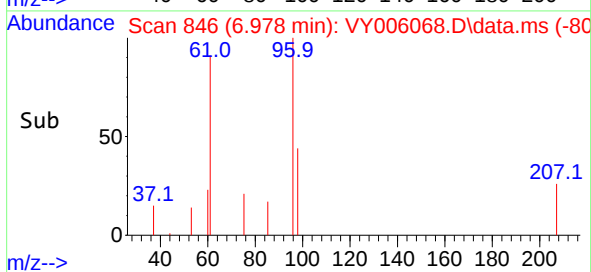
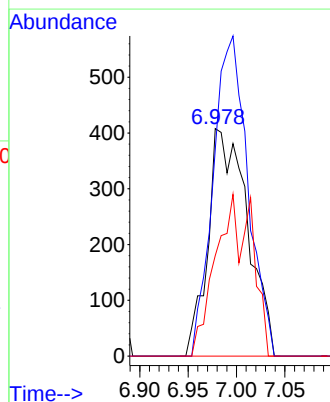
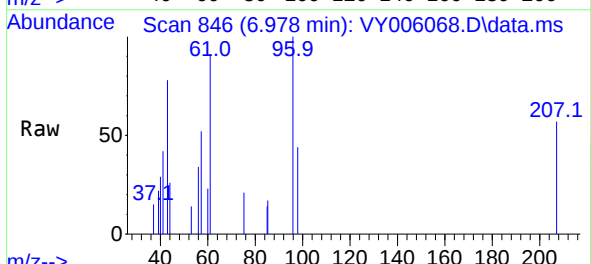
Manual Integrations
APPROVED

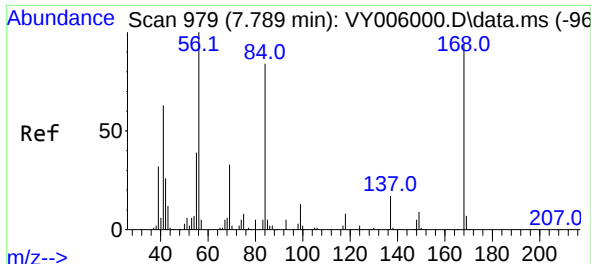
MMDadoda
9/20/2021 6:52:21 PM



#27
cis-1,2-Dichloroethene
Concen: 1.212 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.018 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

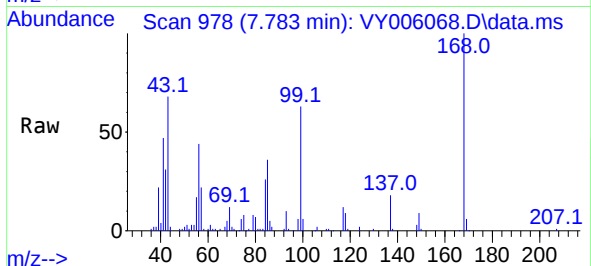
Tgt Ion: 96 Resp: 1159
Ion Ratio Lower Upper
96 100
61 123.7 0.0 319.8
98 41.7 0.0 127.0





#31
Cyclohexane
Concen: 17.407 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

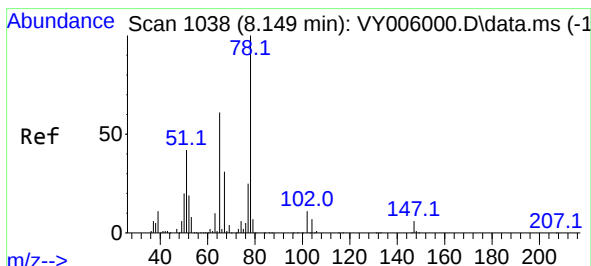
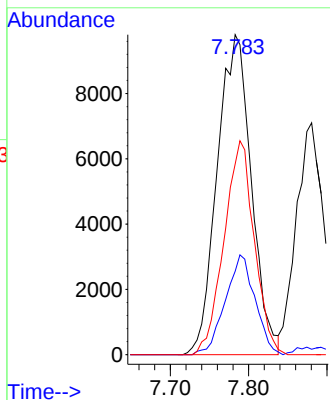
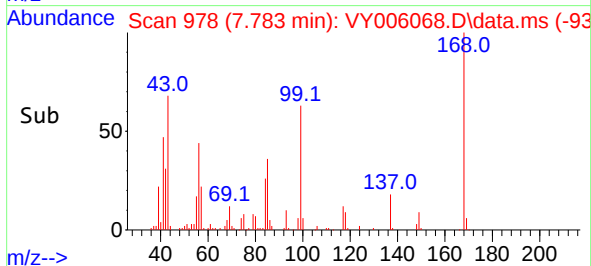
Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)



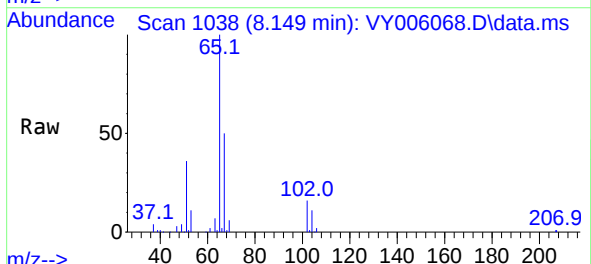
Tgt Ion: 56 Resp: 29654
Ion Ratio Lower Upper
56 100
69 26.1 26.7 40.1#
84 59.5 67.2 100.8#

Manual Integrations
APPROVED

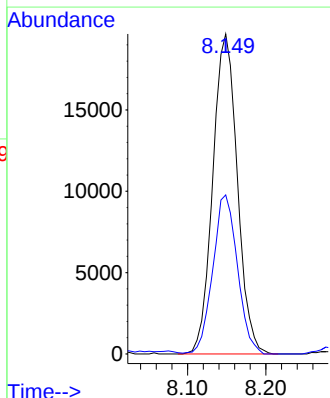
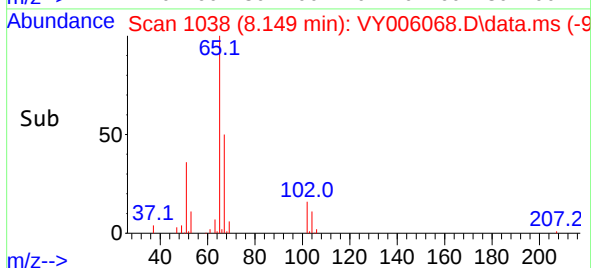
MMDadoda
9/20/2021 6:52:21 PM

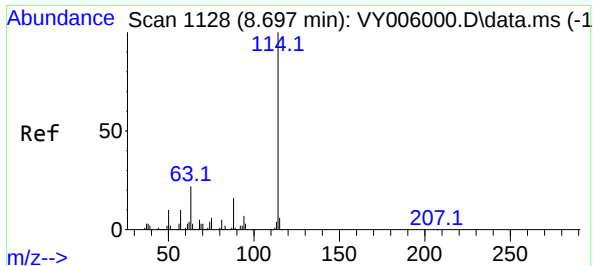


#33
1,2-Dichloroethane-d4
Concen: 40.258 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05



Tgt Ion: 65 Resp: 42813
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.4





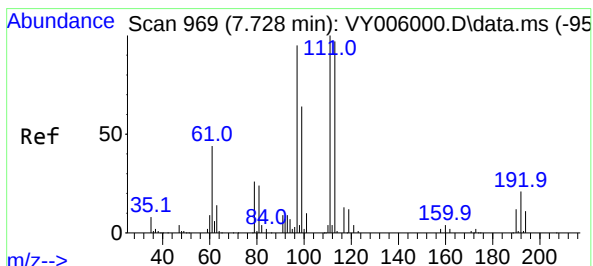
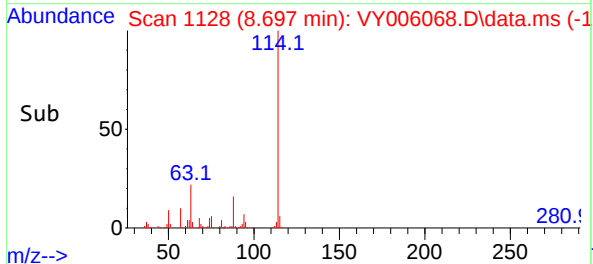
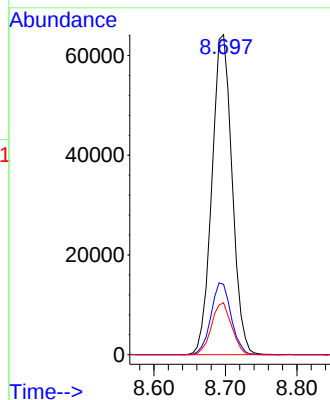
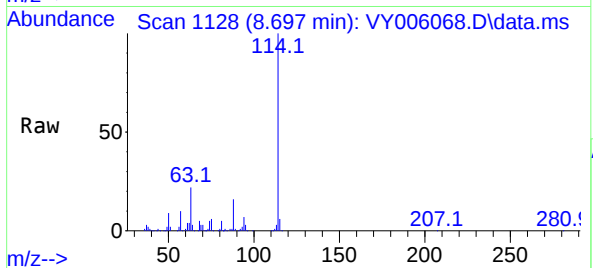
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion:114 Resp: 125866
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.2
88 16.3 0.0 31.8

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

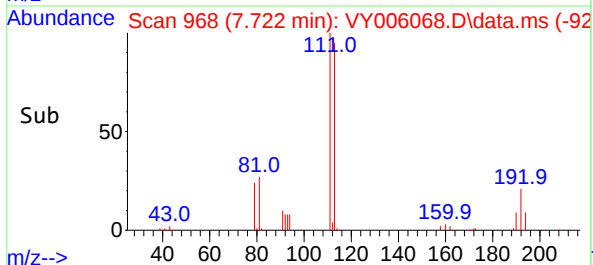
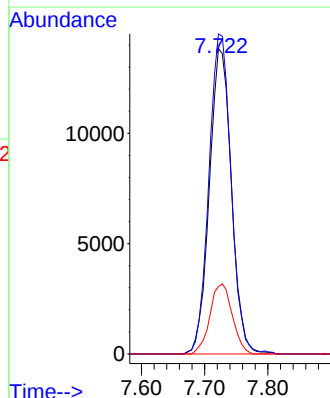
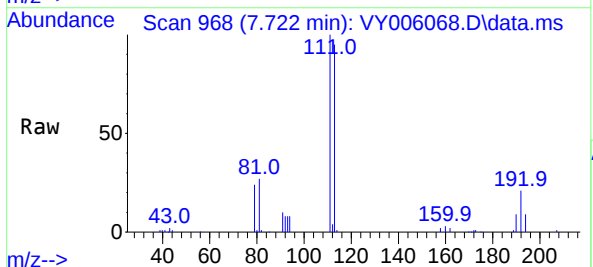
Manual Integrations
APPROVED

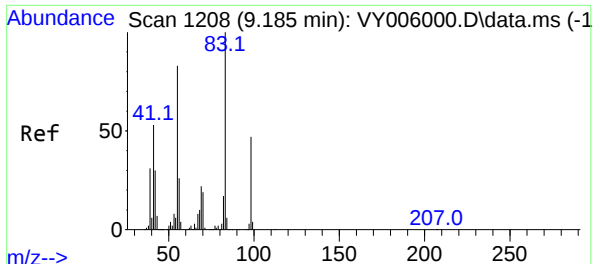
MMDadoda
9/20/2021 6:52:21 PM



#35
Dibromofluoromethane
Concen: 42.939 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion:113 Resp: 33569
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 23.2 17.6 26.4





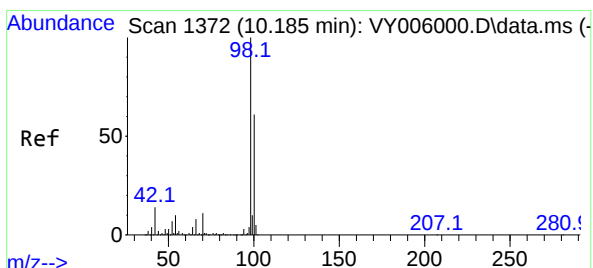
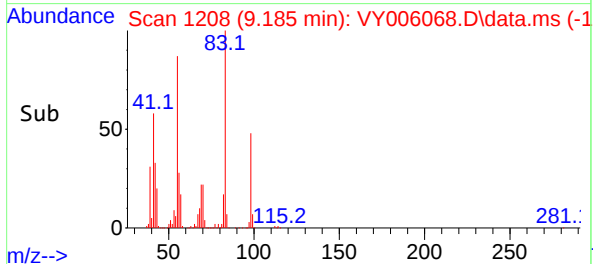
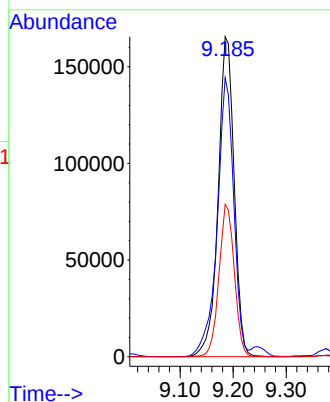
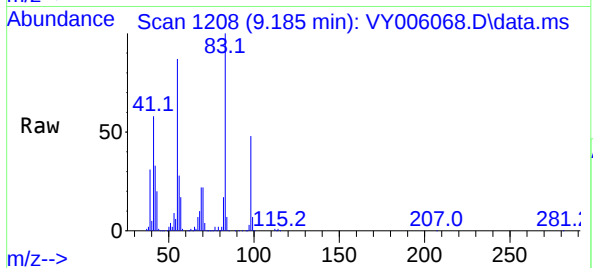
#39
Methylcyclohexane
Concen: 206.455 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion: 83 Resp: 347625
Ion Ratio Lower Upper
83 100
55 87.1 66.5 99.7
98 47.6 37.9 56.9

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

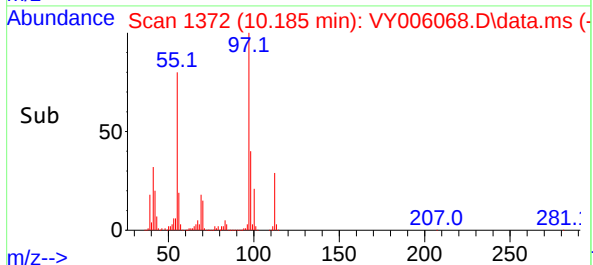
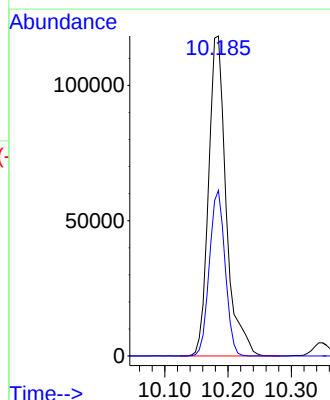
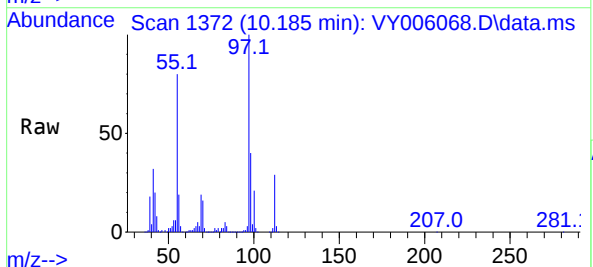
Manual Integrations
APPROVED

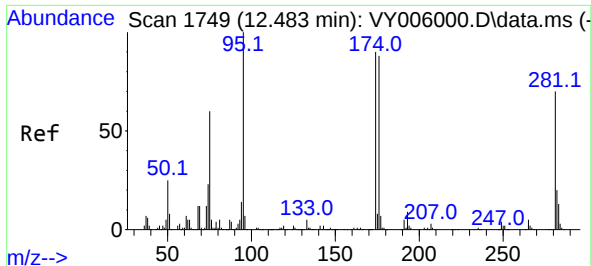
MMDadoda
9/20/2021 6:52:21 PM



#50
Toluene-d8
Concen: 68.724 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

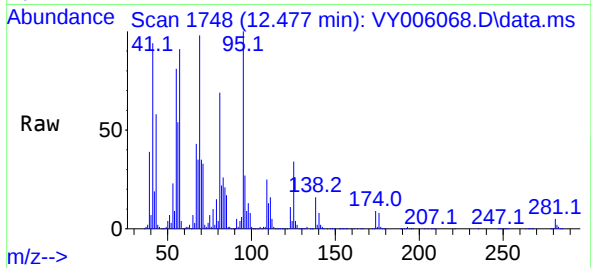
Tgt Ion: 98 Resp: 228985
Ion Ratio Lower Upper
98 100
100 46.1 50.2 75.2#





#62
4-Bromofluorobenzene
Concen: 375.114 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

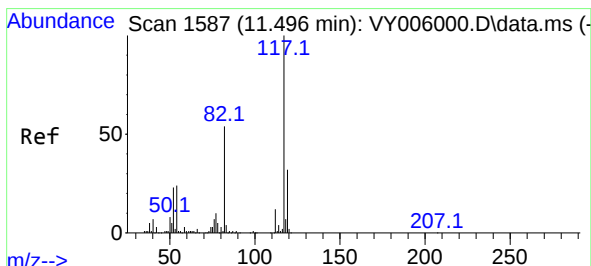
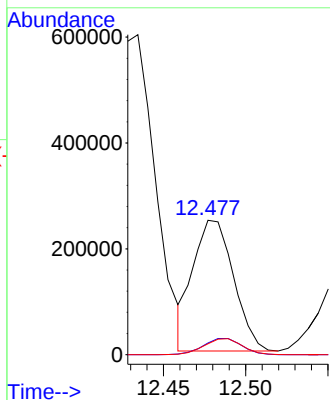
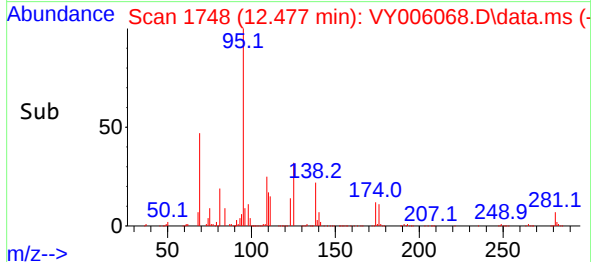
Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)



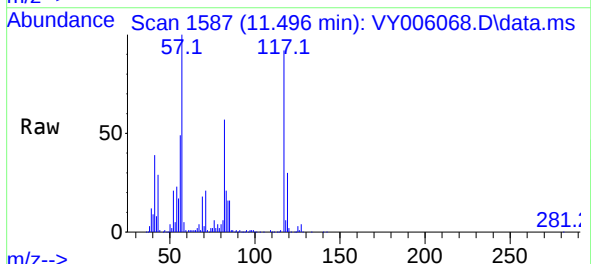
Tgt Ion: 95 Resp: 424350
Ion Ratio Lower Upper
95 100
174 11.8 0.0 177.0
176 11.6 0.0 175.8

Manual Integrations
APPROVED

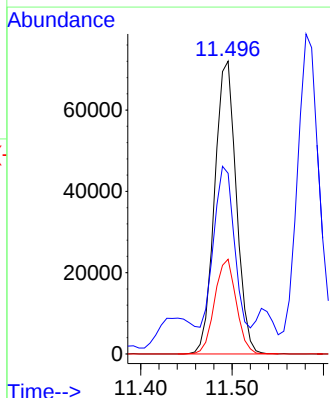
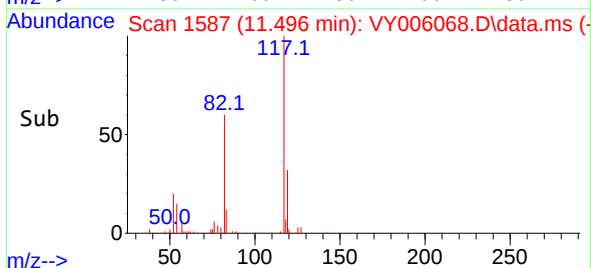
MMDadoda
9/20/2021 6:52:21 PM

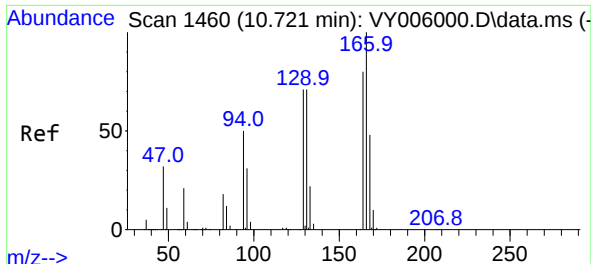


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

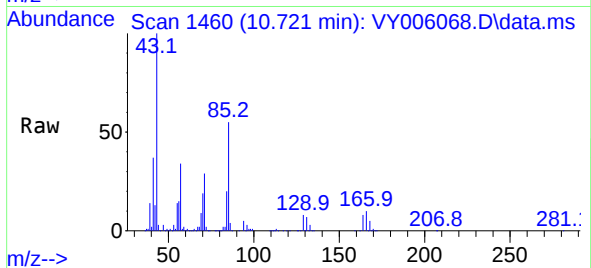


Tgt Ion: 117 Resp: 118299
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.4 25.4 38.0

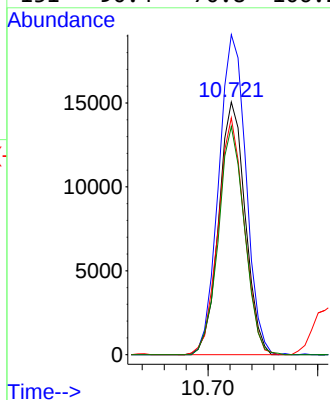




#64
Tetrachloroethene
Concen: 26.026 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05



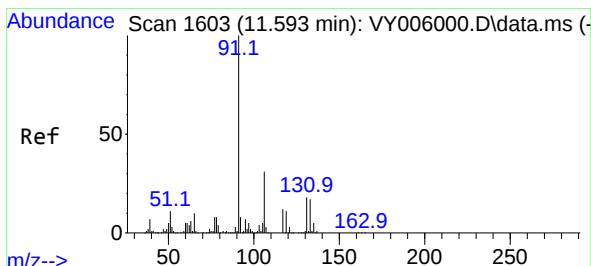
Tgt Ion:164 Resp: 25182
Ion Ratio Lower Upper
164 100
166 126.7 100.4 150.6
129 93.8 71.4 107.0
131 90.4 70.8 106.2



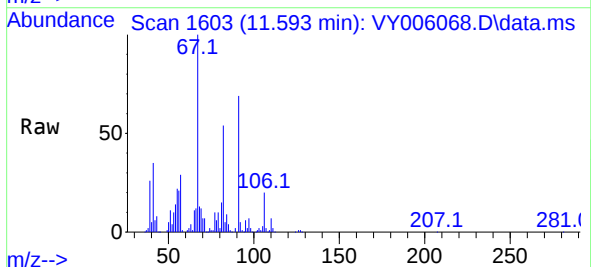
Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

Manual Integrations
APPROVED

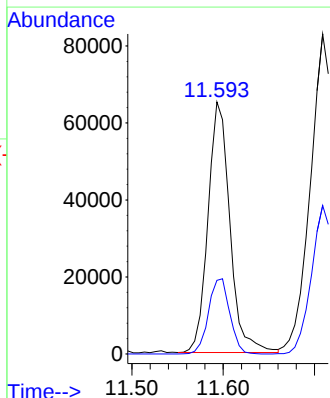
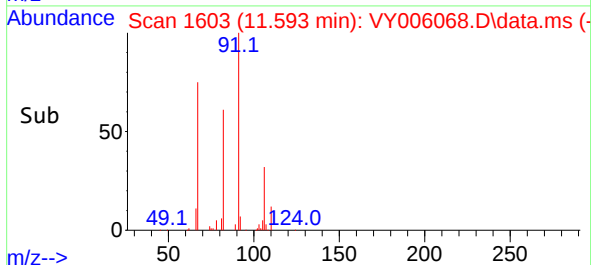
MMDadoda
9/20/2021 6:52:21 PM

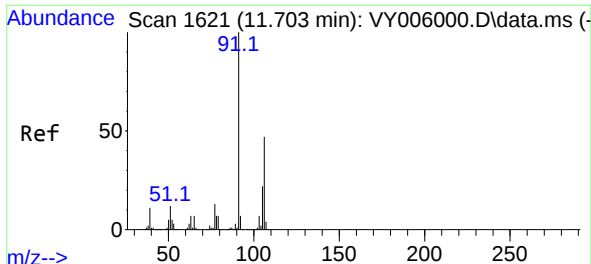


#67
Ethyl Benzene
Concen: 22.578 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05



Tgt Ion: 91 Resp: 108632
Ion Ratio Lower Upper
91 100
106 29.4 24.5 36.7





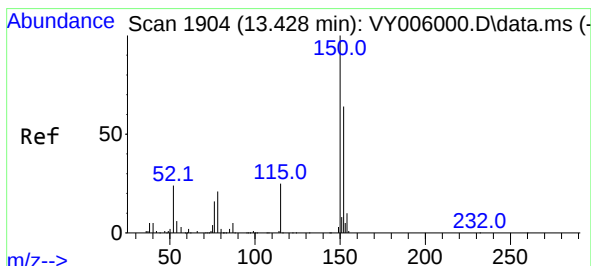
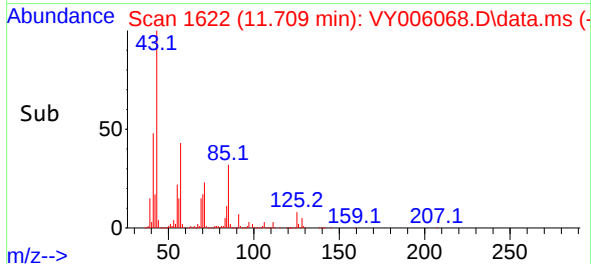
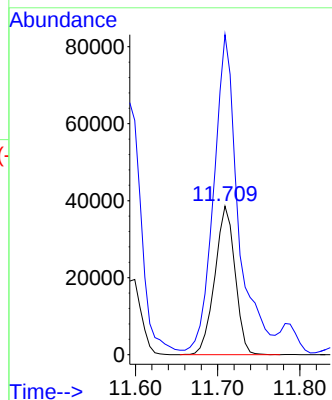
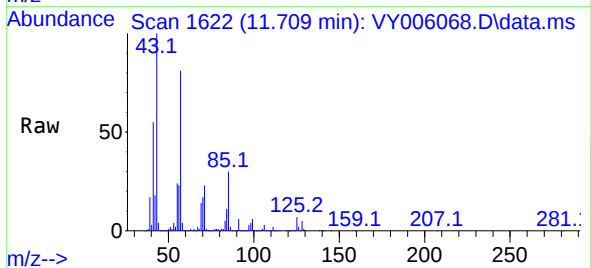
#68
m/p-Xylenes
Concen: 36.082 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion:106 Resp: 65830
Ion Ratio Lower Upper
106 100
91 255.1 166.6 249.8#

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

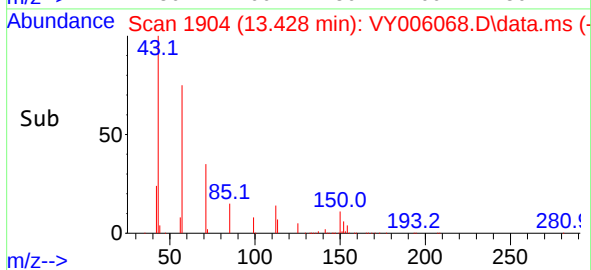
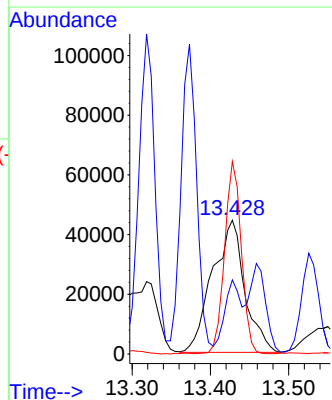
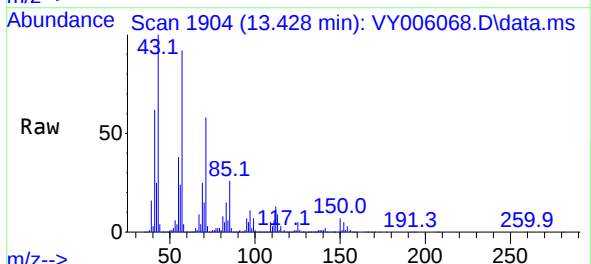
Manual Integrations
APPROVED

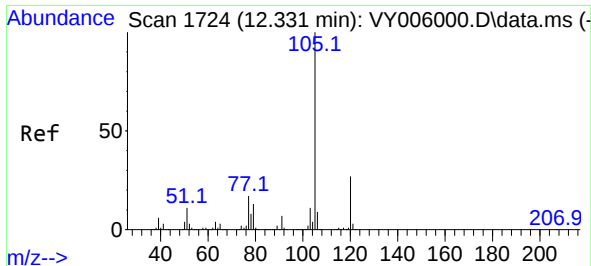
MMDadoda
9/20/2021 6:52:21 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

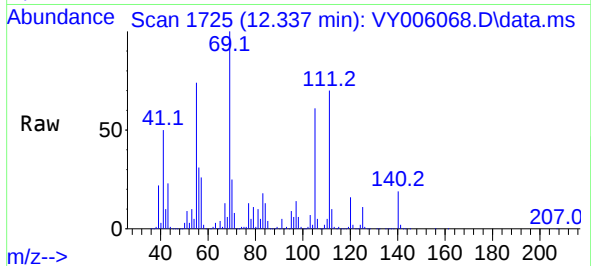
Tgt Ion:152 Resp: 126887
Ion Ratio Lower Upper
152 100
115 23.6 28.2 84.7#
150 75.3 0.0 347.6





#73
Isopropylbenzene
Concen: 81.291 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

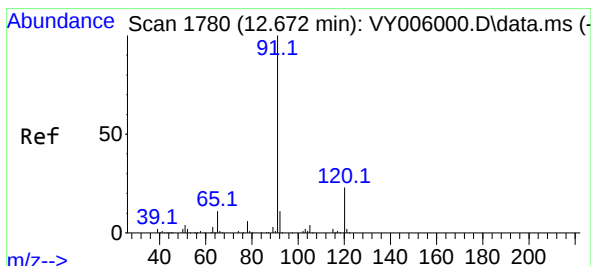
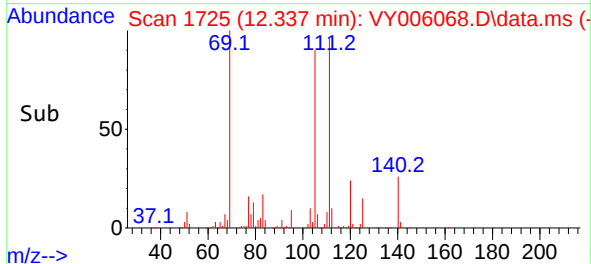
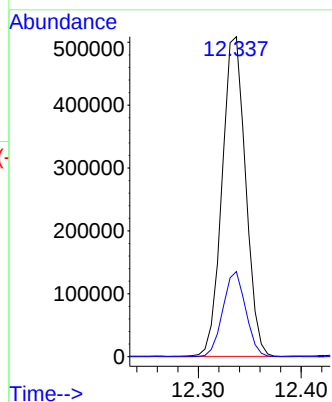
Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)



Tgt Ion:105 Resp: 807722
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2

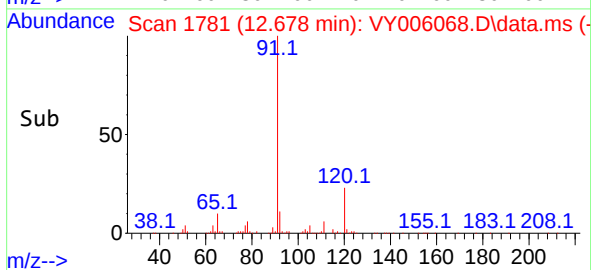
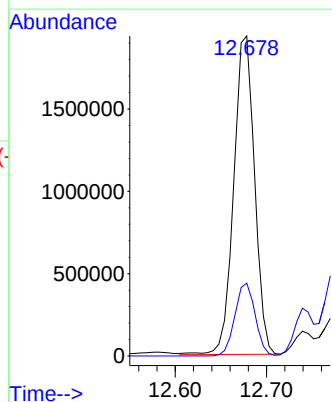
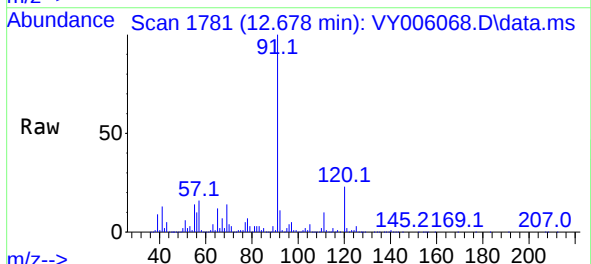
Manual Integrations
APPROVED

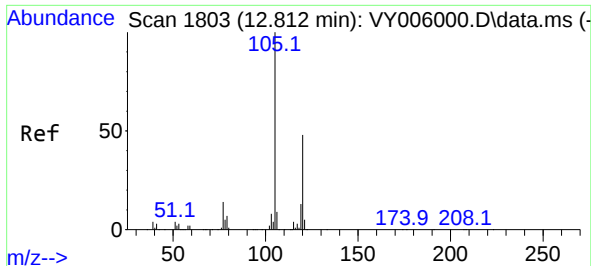
MMDadoda
9/20/2021 6:52:21 PM



#78
n-propylbenzene
Concen: 248.614 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion: 91 Resp: 3056377
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.9





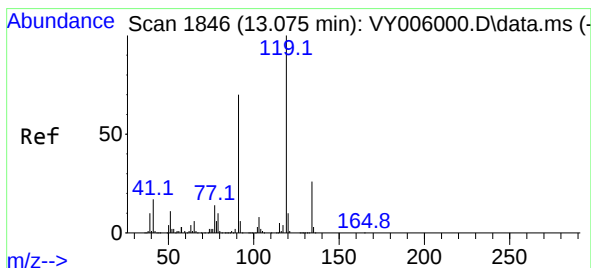
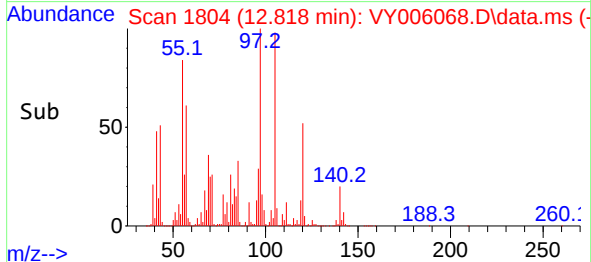
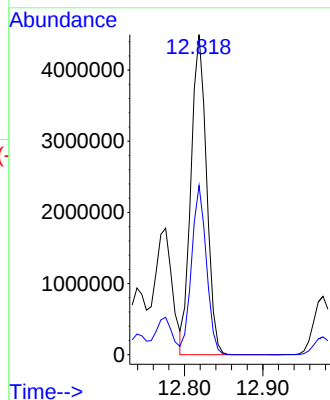
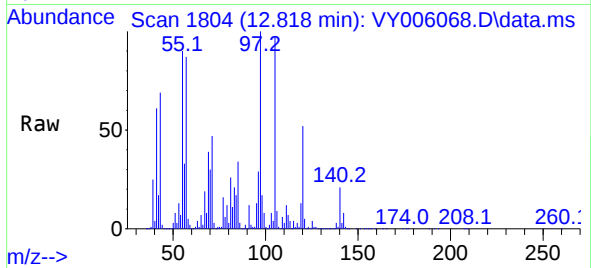
#80
1,3,5-Trimethylbenzene
Concen: 751.890 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion:105 Resp: 6195990
Ion Ratio Lower Upper
105 100
120 50.5 24.4 73.4

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

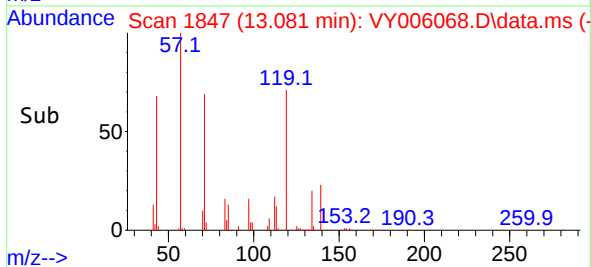
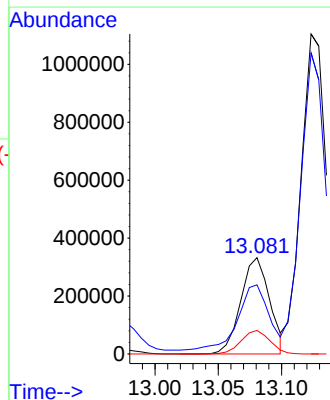
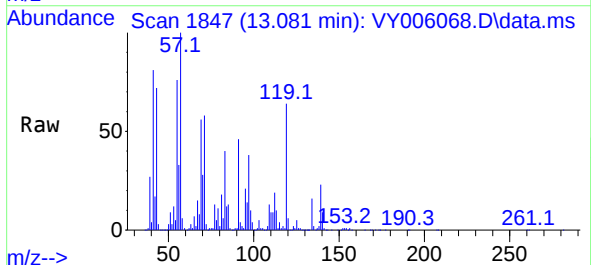
Manual Integrations
APPROVED

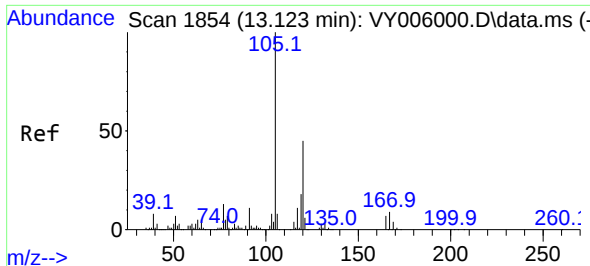
MMDadoda
9/20/2021 6:52:21 PM



#83
tert-Butylbenzene
Concen: 74.620 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Tgt Ion:119 Resp: 525922
Ion Ratio Lower Upper
119 100
91 72.1 34.8 104.4
134 24.5 13.3 39.9





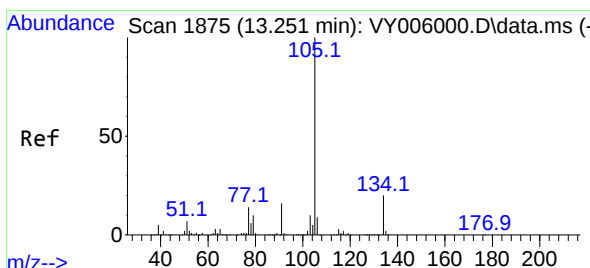
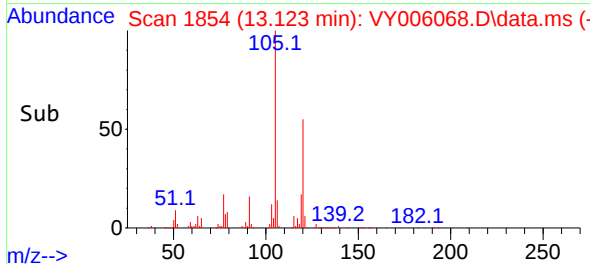
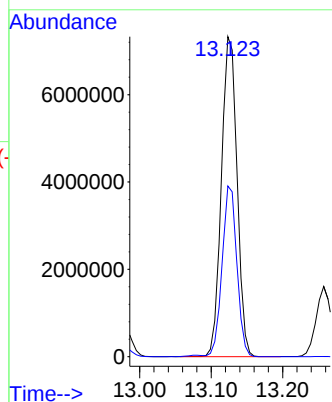
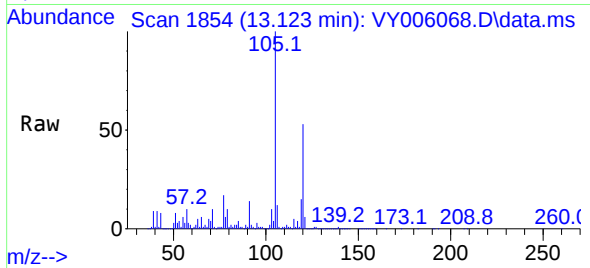
#84
1,2,4-Trimethylbenzene
Concen: 1360.141 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

Tgt Ion:105 Resp:11119937
Ion Ratio Lower Upper
105 100
120 50.8 22.3 66.9

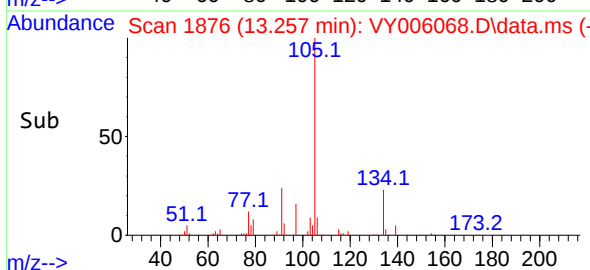
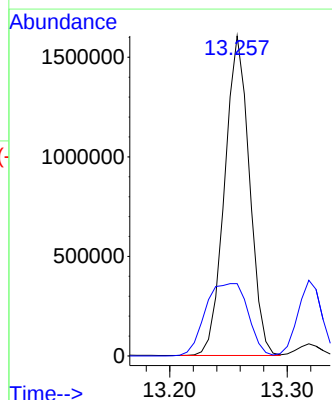
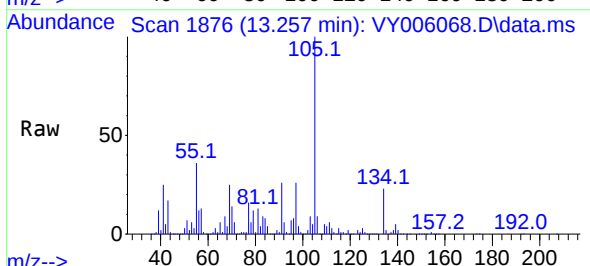
Manual Integrations
APPROVED

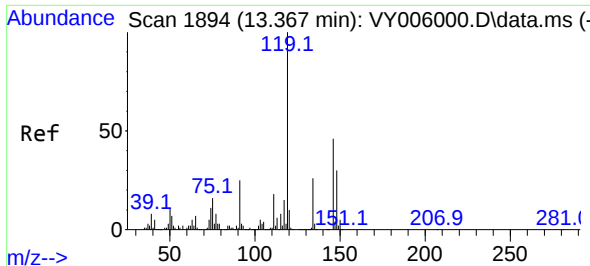
MMDadoda
9/20/2021 6:52:21 PM



#85
sec-Butylbenzene
Concen: 223.199 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

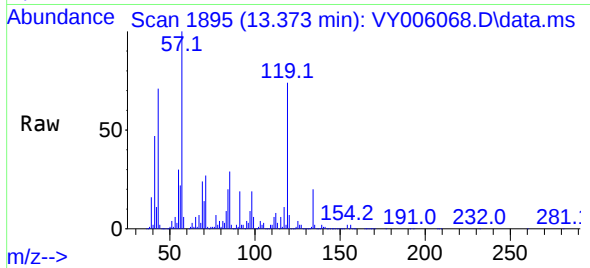
Tgt Ion:105 Resp: 2354895
Ion Ratio Lower Upper
105 100
134 38.9 10.2 30.4#





#86
p-Isopropyltoluene
Concen: 204.956 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

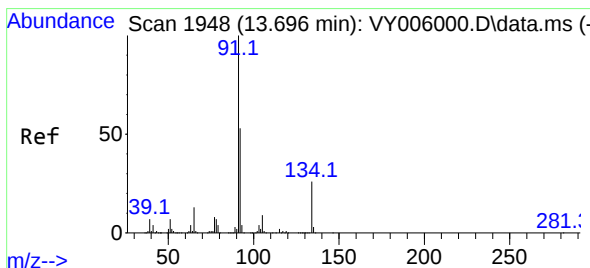
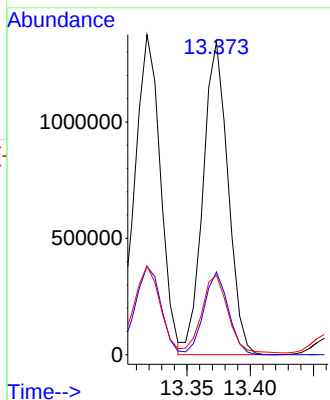
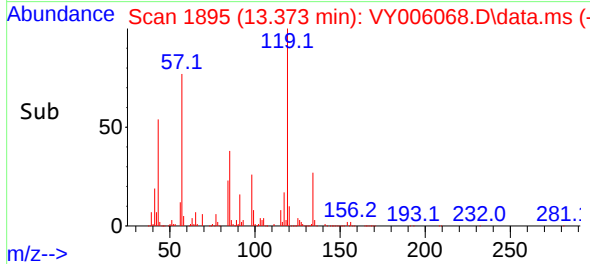
Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)



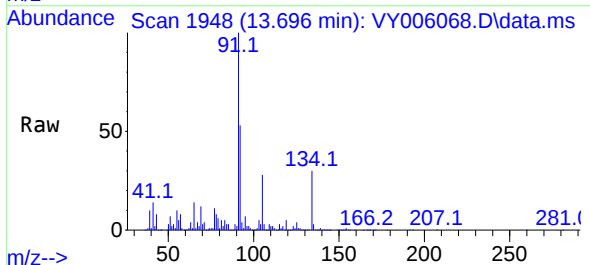
Tgt Ion:119 Resp: 1846121
Ion Ratio Lower Upper
119 100
134 25.7 13.2 39.5
91 25.8 12.4 37.2

Manual Integrations
APPROVED

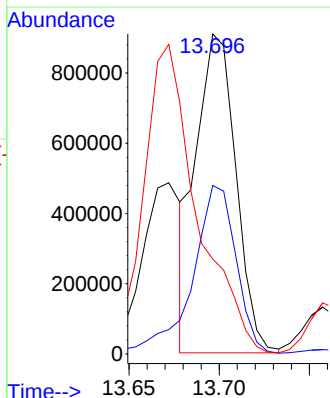
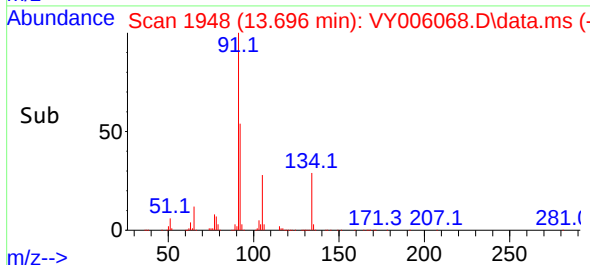
MMDadoda
9/20/2021 6:52:21 PM

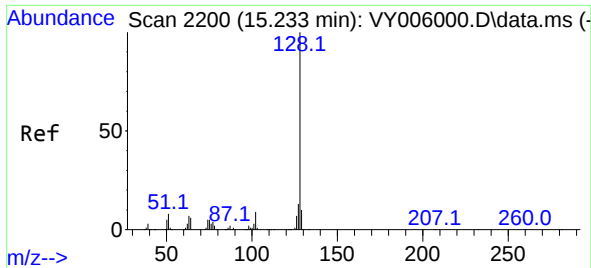


#89
n-Butylbenzene
Concen: 165.736 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05

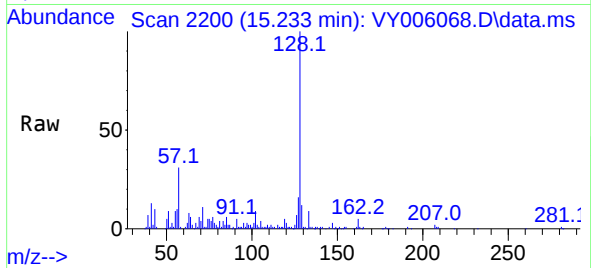


Tgt Ion: 91 Resp: 1396013
Ion Ratio Lower Upper
91 100
92 57.0 26.3 78.9
134 0.0 13.0 38.9#

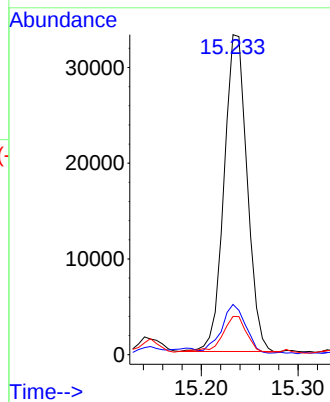
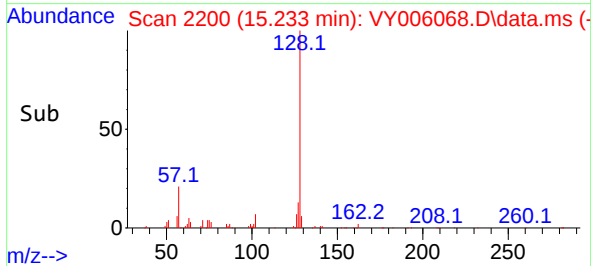




#95
Naphthalene
Concen: 10.811 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY006068.D
Acq: 17 Sep 2021 14:05



Tgt Ion:	128	Resp:	54809
Ion Ratio	Lower	Upper	
128	100		
127	16.1	11.0	16.4
129	11.8	8.4	12.6



Instrument :
MSVOA_Y
ClientSampleId :
SUP-VST-01-(13-15)

Manual Integrations
APPROVED

MMDadoda
9/20/2021 6:52:21 PM