

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
 Data File : VW020273.D
 Acq On : 30 Sep 2021 16:29
 Operator : SY/VA
 Sample : M3973-21RE
 Misc : 6.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y5RE

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 3:16:31 PM

Quant Time: Oct 01 01:06:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 01 01:03:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	23351	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	14477	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	3291	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	14318	29.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.880%
7) Chloroethane-d5	2.904	69	6980	19.396	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	4.031	63	17045	22.789	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.160%
21) 2-Butanone-d5	7.110	46	369m	5.006	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	10.020%#
24) Chloroform-d	7.653	84	10809	14.719	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	58.880%
26) 1,2-Dichloroethane-d4	8.317	65	4076	10.313	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	41.240%#
32) Benzene-d6	8.281	84	21703	23.498	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	9.280	67	6080	22.746	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.000%
41) Toluene-d8	10.323	98	25811	30.713	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	122.840%
43) trans-1,3-Dichloroprop...	10.579	79	1088	9.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	38.080%
47) 2-Hexanone-d5	10.933	63	1088	29.413	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.820%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	2028	9.836	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	39.360%#
66) 1,2-Dichlorobenzene-d4	13.859	152	3654m	29.611	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.440%
Target Compounds						Qvalue
29) Cyclohexane	7.957	56	21318	66.177	ug/L	# 84
33) Benzene	8.323	78	2101	2.405	ug/L	100
35) Methylcyclohexane	9.341	83	134991	354.224	ug/L	97
52) Ethylbenzene	11.731	91	4600m	4.499	ug/L	
53) m,p-Xylene	11.847	106	1380	3.540	ug/L	73
54) o-Xylene	12.170	106	1967	5.455	ug/L	82
60) Isopropylbenzene	12.463	105	21318m	48.311	ug/L	
62) 1,3,5-Trimethylbenzene	12.944	105	2518	6.953	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	7248	20.374	ug/L	97

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

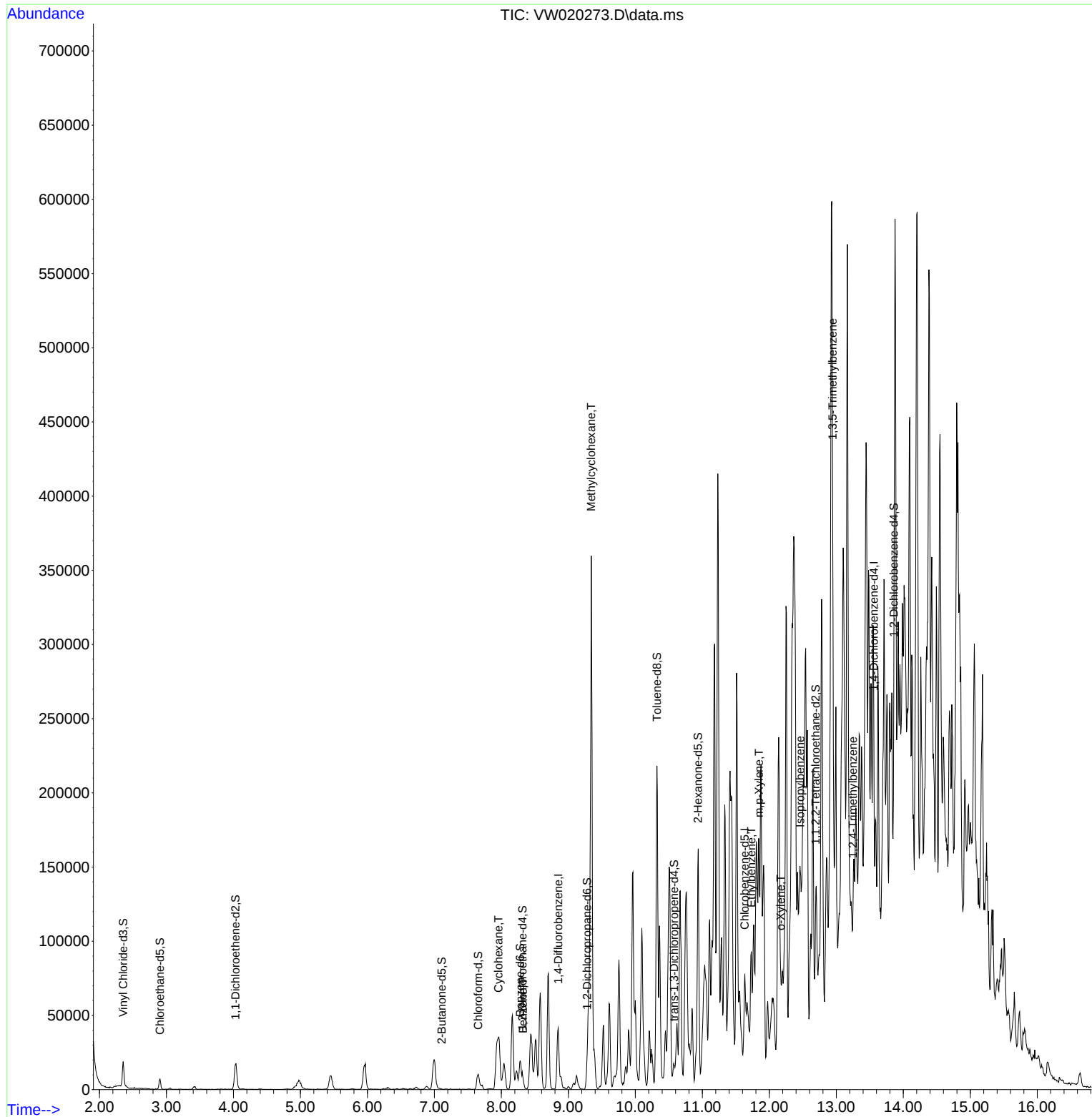
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

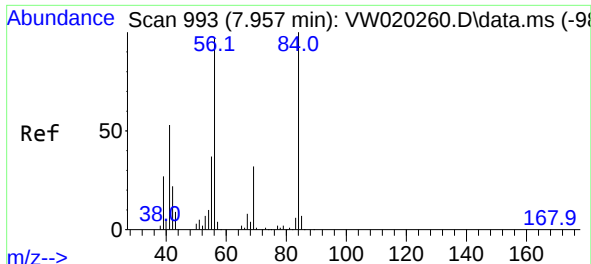
Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

Manual Integrations
APPROVED

MMDadoda
10/4/2021 3:16:31 PM

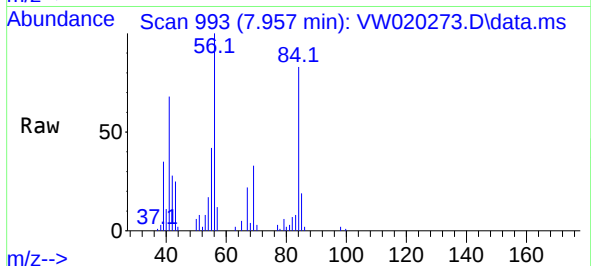
Quant Time: Oct 01 01:06:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Oct 01 01:03:15 2021
Response via : Initial Calibration





#29
Cyclohexane
Concen: 66.177 ug/L
RT: 7.957 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

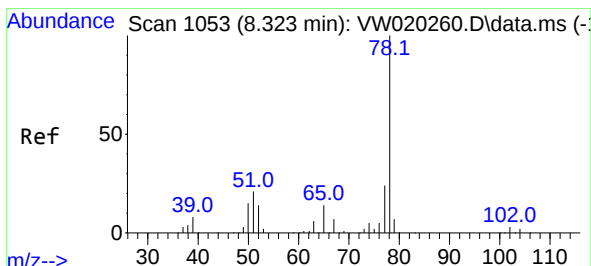
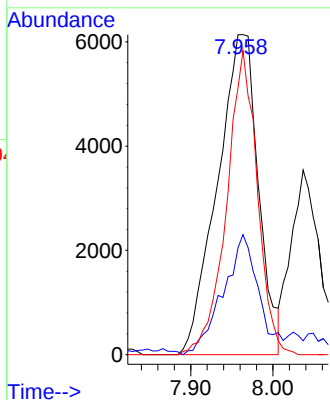
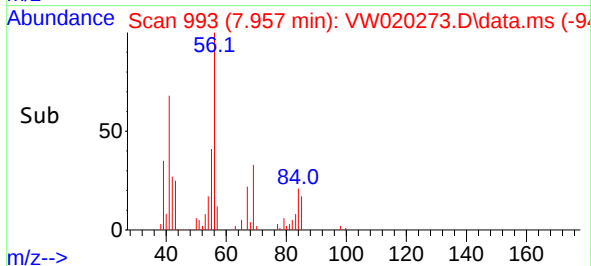
Instrument :
MSVOA_W
ClientSampled :
EW8Y5RE



Tgt Ion: 56 Resp: 21318
Ion Ratio Lower Upper
56 100
69 31.4 25.7 38.5
84 71.3 73.4 110.2#

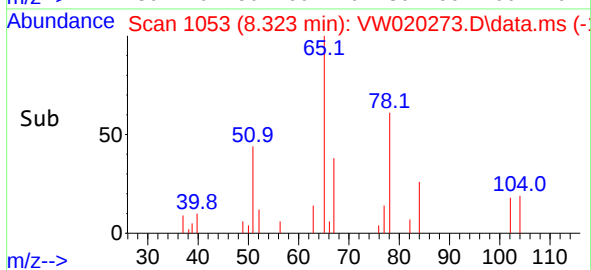
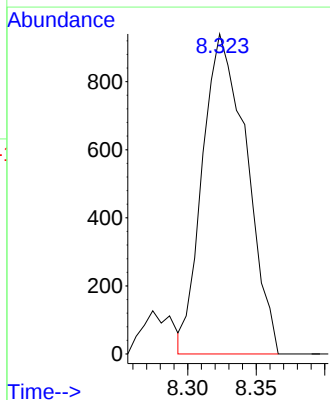
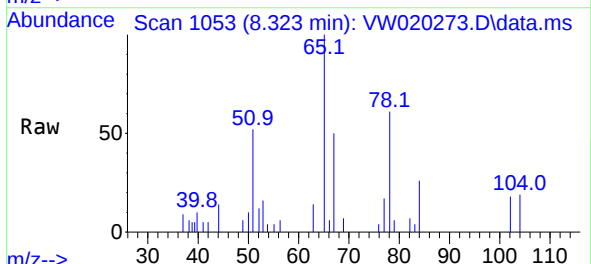
Manual Integrations
APPROVED

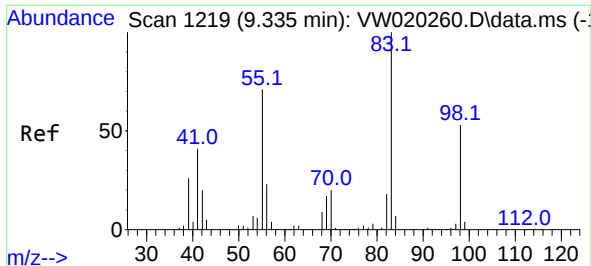
MMDadoda
10/4/2021 3:16:31 PM



#33
Benzene
Concen: 2.405 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion: 78 Resp: 2101





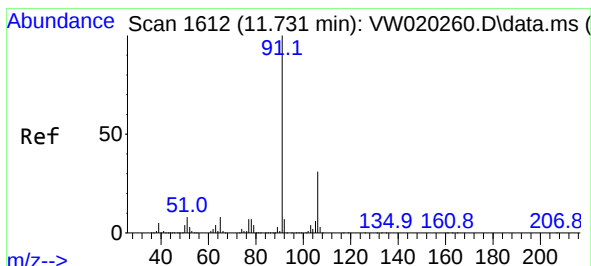
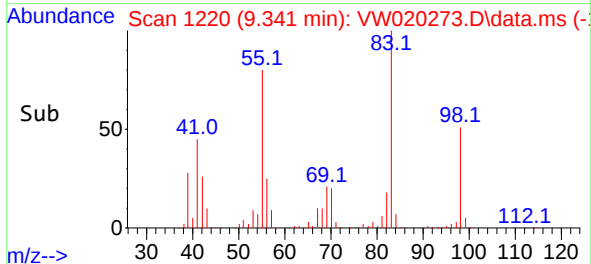
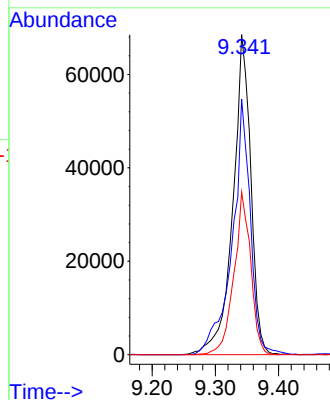
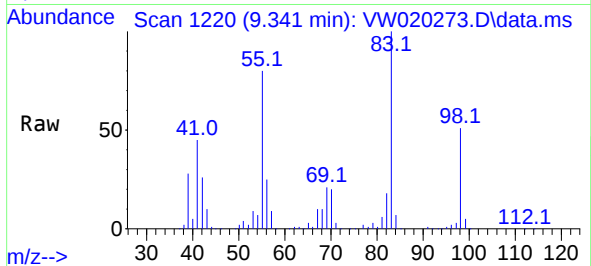
#35
Methylcyclohexane
Concen: 354.224 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion: 83 Resp: 134991
Ion Ratio Lower Upper
83 100
55 80.9 61.4 92.2
98 47.5 38.1 57.1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

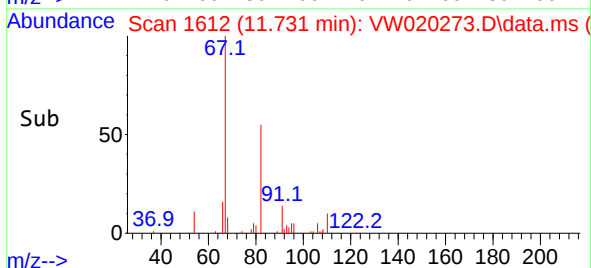
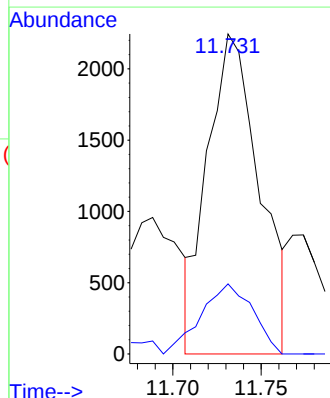
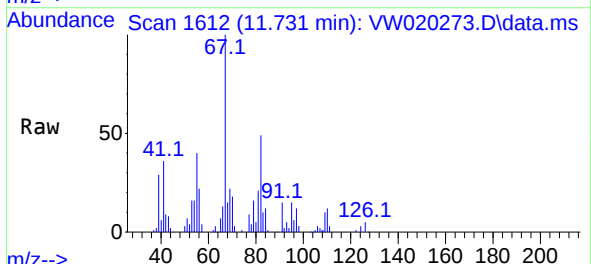
Manual Integrations
APPROVED

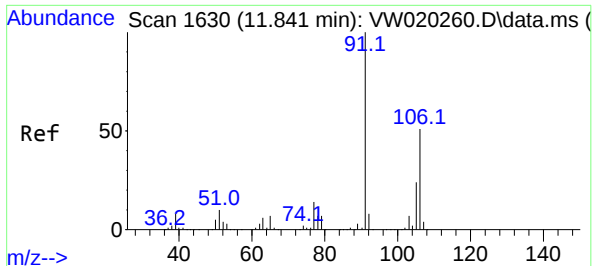
MMDadoda
10/4/2021 3:16:31 PM



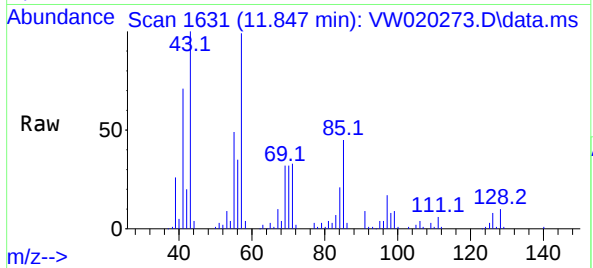
#52
Ethylbenzene
Concen: 4.499 ug/L m
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion: 91 Resp: 4600
Ion Ratio Lower Upper
91 100
106 21.9 22.0 40.8#

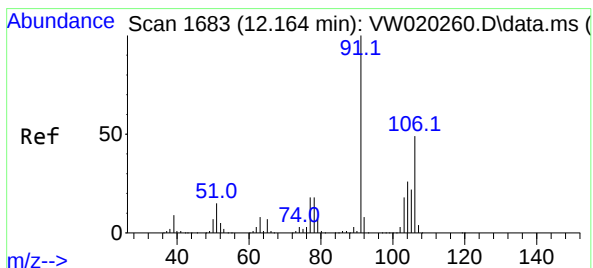
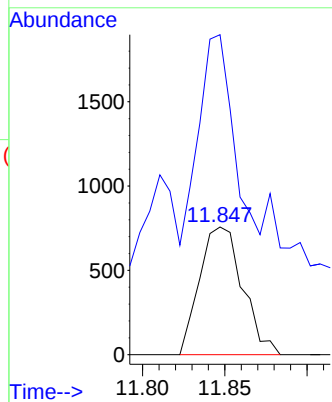
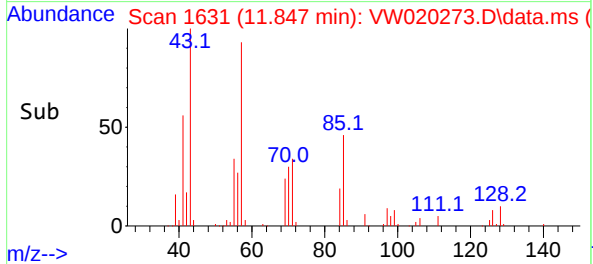




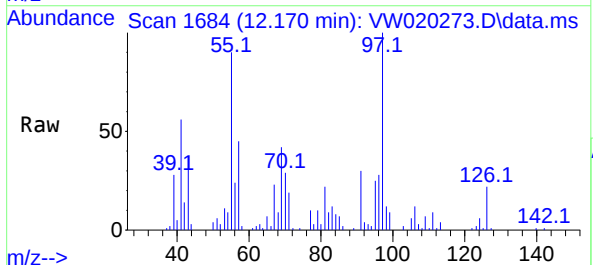
#53
m,p-Xylene
Concen: 3.540 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29



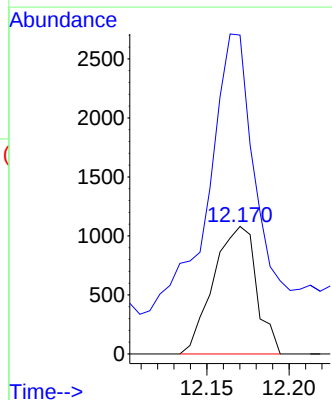
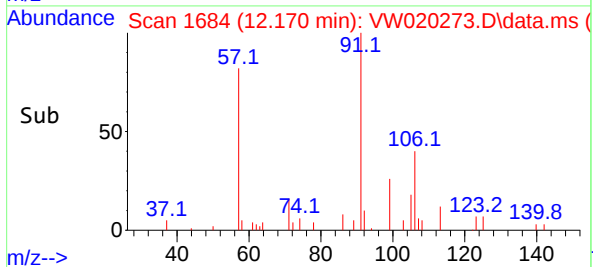
Tgt Ion:106 Resp: 1380
Ion Ratio Lower Upper
106 100
91 250.7 146.4 271.8



#54
o-Xylene
Concen: 5.455 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29



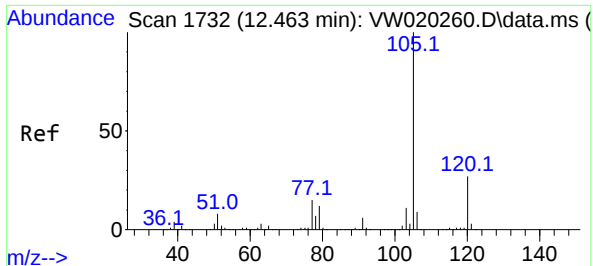
Tgt Ion:106 Resp: 1967
Ion Ratio Lower Upper
106 100
91 250.1 154.3 286.7



Instrument :
MSVOA_W
ClientSampled :
EW8Y5RE

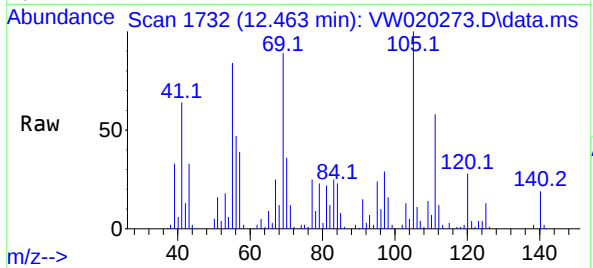
Manual Integrations
APPROVED

MMDadoda
10/4/2021 3:16:31 PM



#60
Isopropylbenzene
Concen: 48.311 ug/L m
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

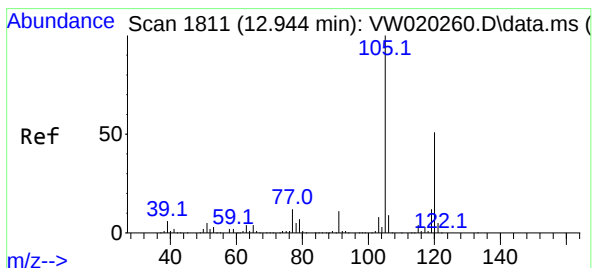
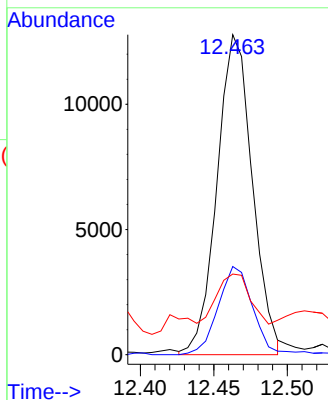
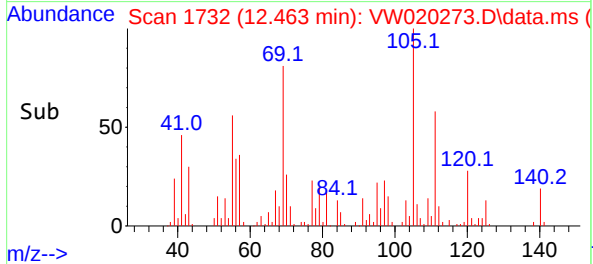
Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE



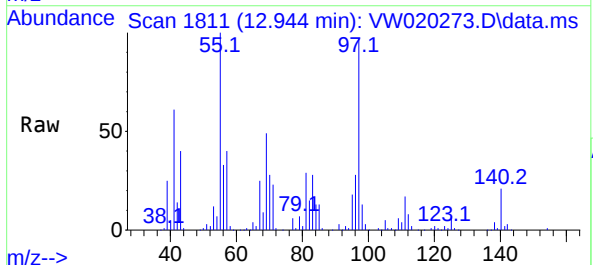
Tgt Ion:105 Resp: 21318
Ion Ratio Lower Upper
105 100
120 228.8 20.9 31.3#
77 102.7 13.3 19.9#

Manual Integrations
APPROVED

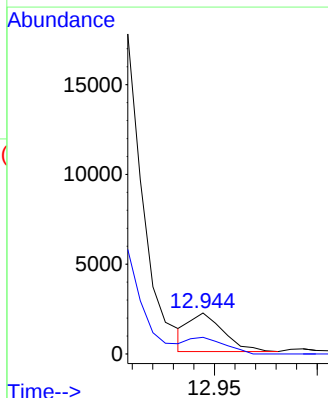
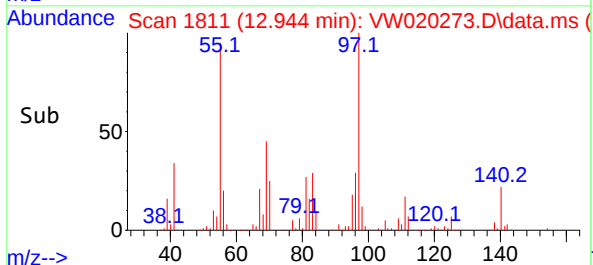
MMDadoda
10/4/2021 3:16:31 PM

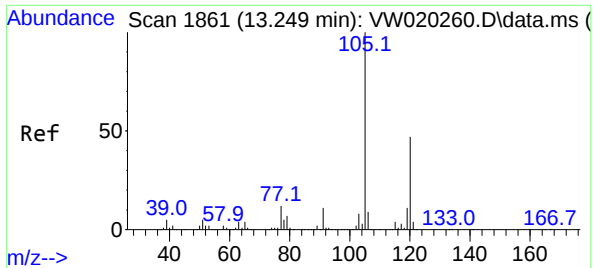


#62
1,3,5-Trimethylbenzene
Concen: 6.953 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29



Tgt Ion:105 Resp: 2518
Ion Ratio Lower Upper
105 100
120 46.1 38.0 57.0





#63
 1,2,4-Trimethylbenzene
 Concen: 20.374 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW020273.D
 Acq: 30 Sep 2021 16:29

Tgt Ion:105 Resp: 7248
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.2 54.4

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y5RE

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 3:16:31 PM

