

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072428.D
 Acq On : 25 Mar 2022 14:47
 Operator : VA/SY
 Sample : N1977-04
 Misc : 4.31G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-20220315-16.0-17.0-A

Quant Time: Mar 26 00:10:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	62383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	103846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	134270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	80755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	43369	62.381	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.760%			
35) Dibromofluoromethane	7.914	113	36693	50.211	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.420%			
50) Toluene-d8	10.338	98	133875	50.101	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.620	95	76783	73.954	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 147.900%#			
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	24307	161.030	ug/l #	83
25) 2-Butanone	7.220	43	7531	37.419	ug/l #	89
40) Benzene	8.350	78	217842	74.483	ug/l	97
52) Toluene	10.397	92	24820	12.897	ug/l	100
65) Chlorobenzene	11.667	112	29271	9.833	ug/l	98
67) Ethyl Benzene	11.738	91	345065	64.904	ug/l	97
68) m/p-Xylenes	11.844	106	21795	10.796	ug/l	93
69) o-Xylene	12.173	106	27355	14.166	ug/l	98
73) Isopropylbenzene	12.473	105	149159	23.308	ug/l	99
78) n-propylbenzene	12.808	91	96895	12.465	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	102492	18.643	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	554382	102.340	ug/l	98
85) sec-Butylbenzene	13.390	105	15857m	2.191	ug/l	
86) p-Isopropyltoluene	13.502	119	64501	10.829	ug/l	92
87) 1,3-Dichlorobenzene	13.502	146	6261	2.074	ug/l #	12
88) 1,4-Dichlorobenzene	13.585	146	10617	3.547	ug/l #	74
89) n-Butylbenzene	13.832	91	30040m	5.291	ug/l	
95) Naphthalene	15.385	128	18067125	6015.064	ug/l #	93

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

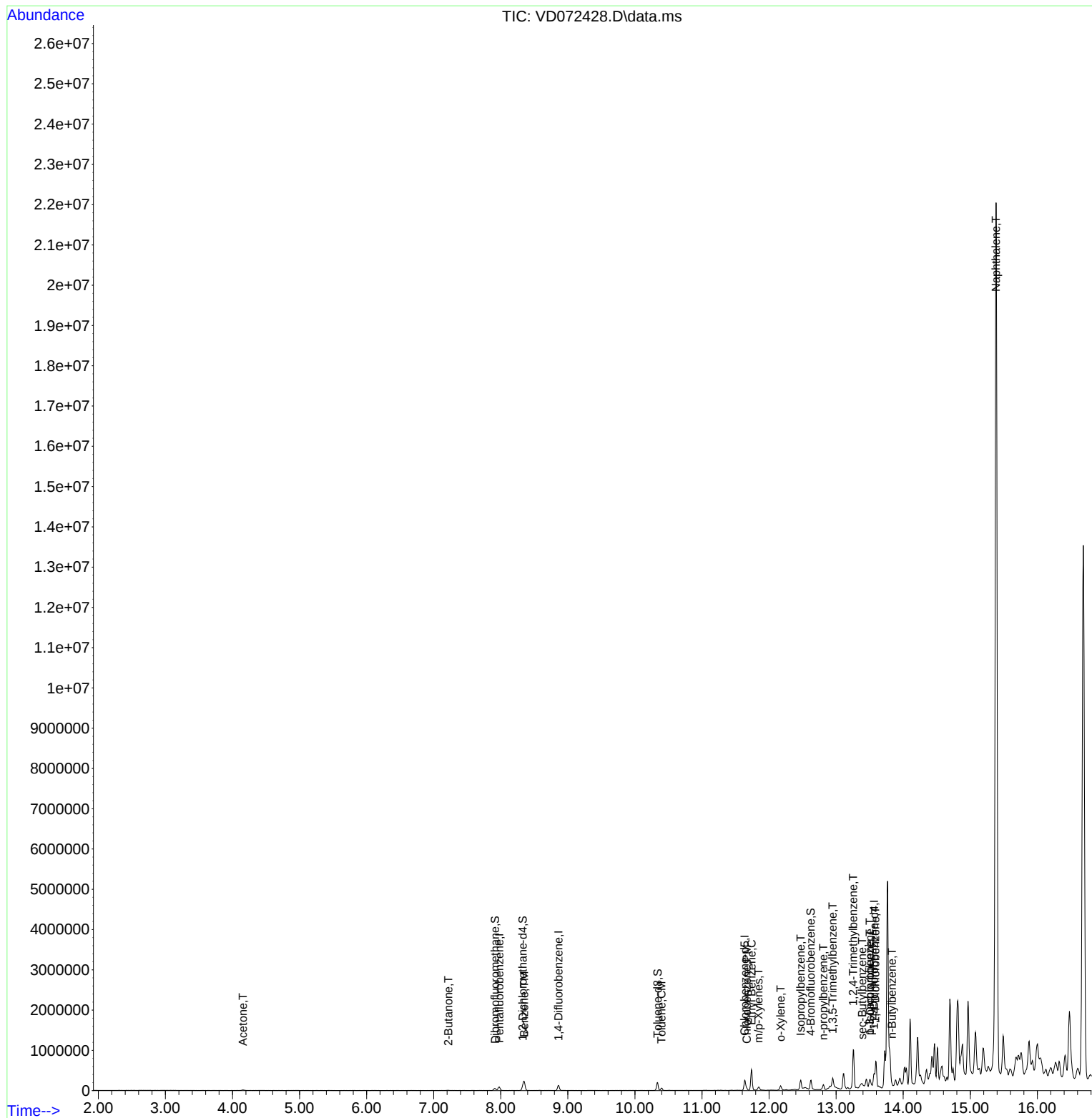
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072428.D
Acq On : 25 Mar 2022 14:47
Operator : VA/SY
Sample : N1977-04
Misc : 4.31G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

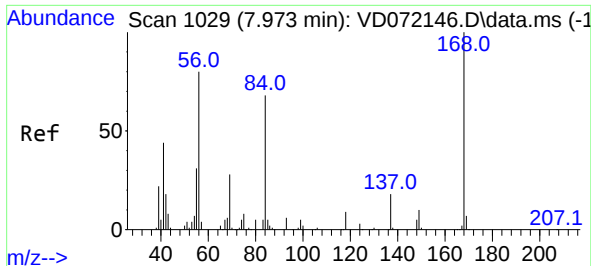
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

Quant Time: Mar 26 00:10:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 03/29/2022
Supervised By : Semsettin Yesilyurt 03/29/2022





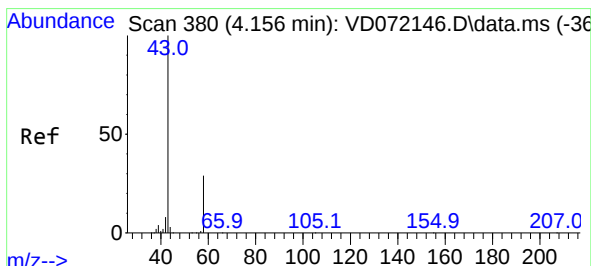
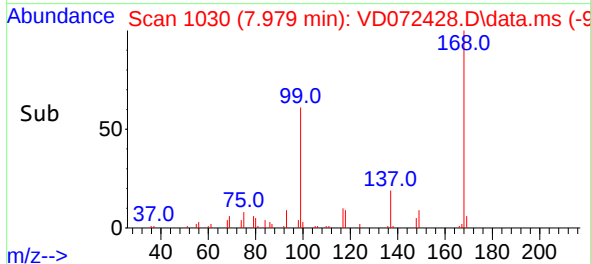
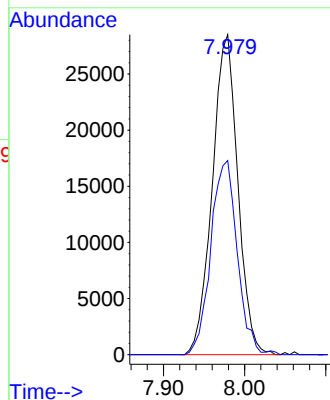
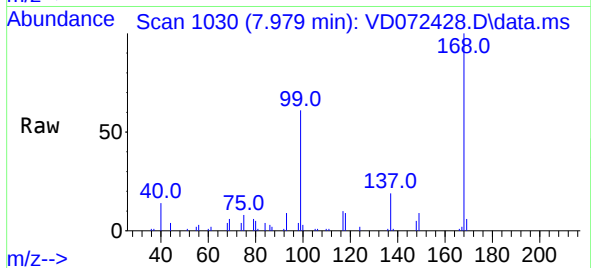
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

Tgt Ion:168 Resp: 6238
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6

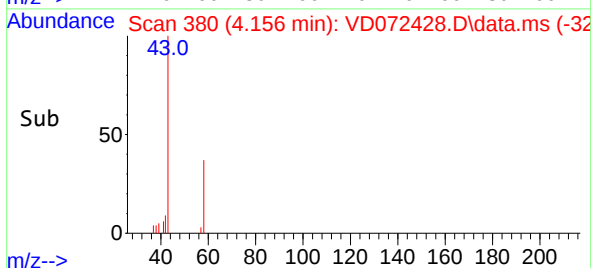
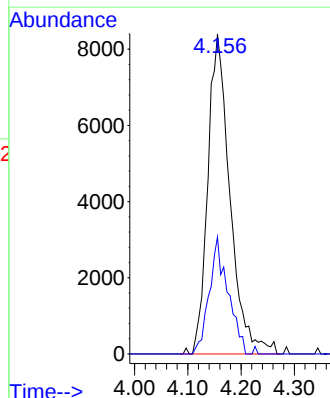
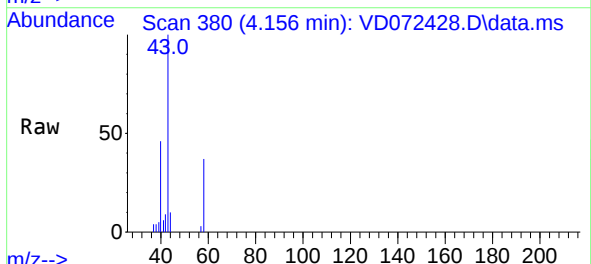
Manual Integrations
APPROVED

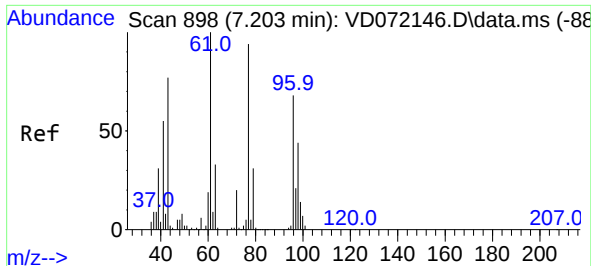
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#16
Acetone
Concen: 161.030 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

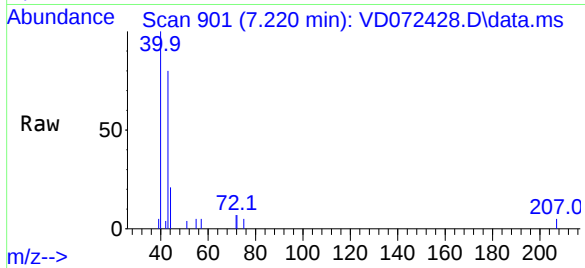
Tgt Ion: 43 Resp: 24307
Ion Ratio Lower Upper
43 100
58 36.5 22.1 33.1#





#25
2-Butanone
Concen: 37.419 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.018 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

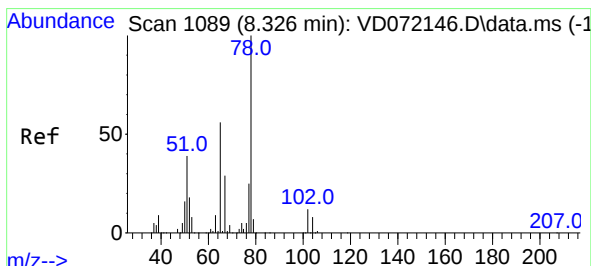
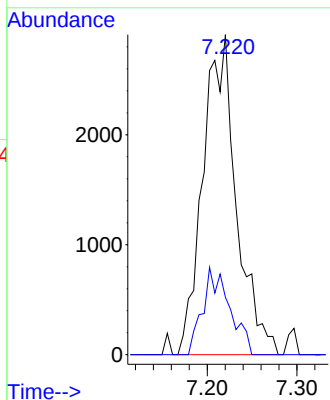
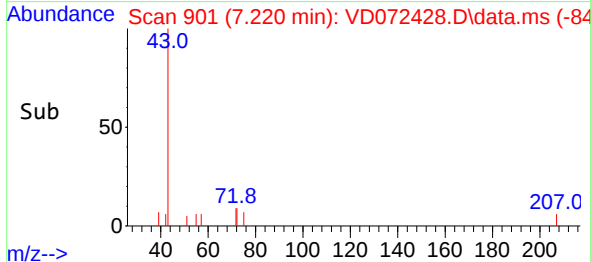
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A



Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
72 18.0 18.6 27.8

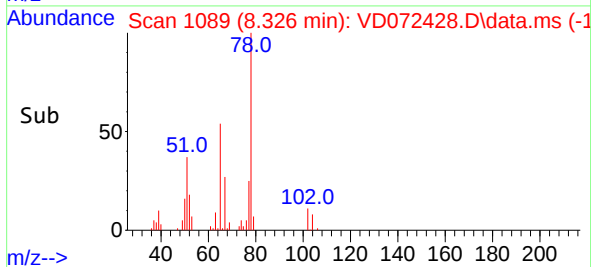
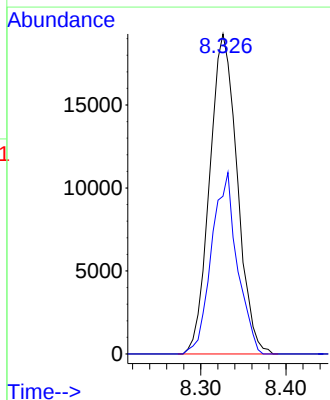
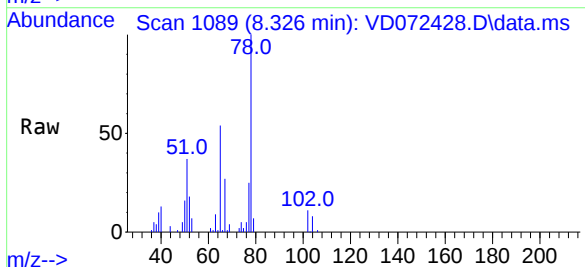
Manual Integrations
APPROVED

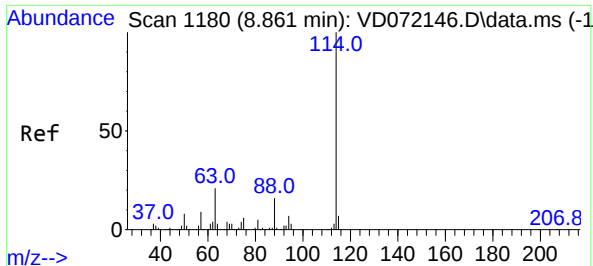
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#33
1,2-Dichloroethane-d4
Concen: 62.381 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

Tgt Ion: 65 Resp: 43369
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072428.D

Acq: 25 Mar 2022 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-12-20220315-16.0-17.0-A

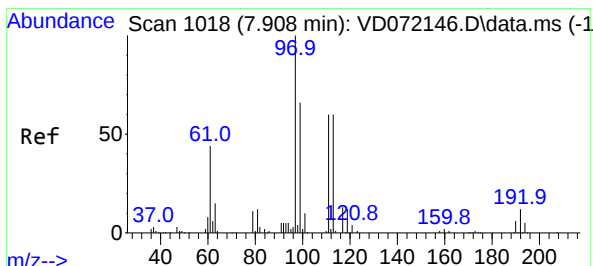
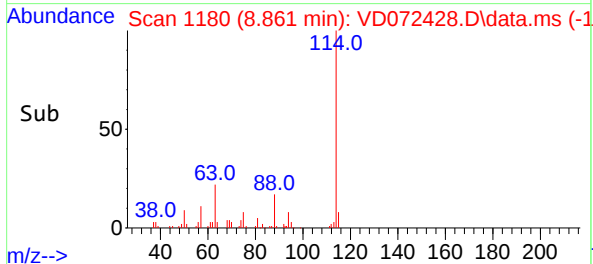
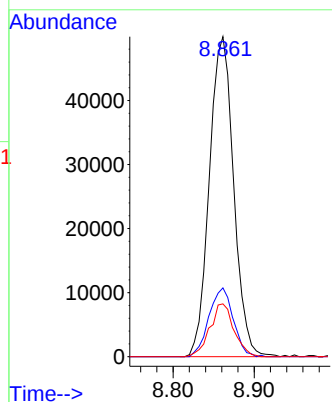
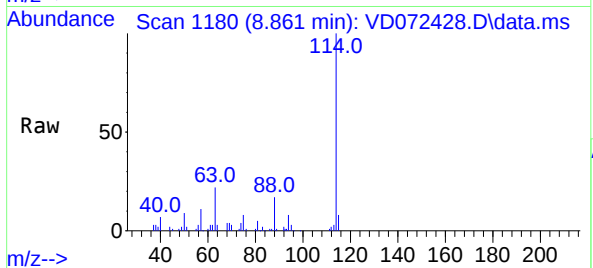
Tgt Ion:114 Resp: 103840

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	46.6
88	16.5	0.0	33.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#35

Dibromofluoromethane

Concen: 50.211 ug/l

RT: 7.914 min Scan# 1019

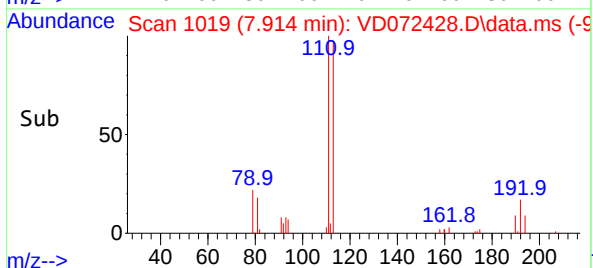
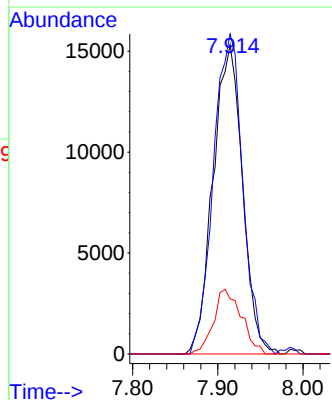
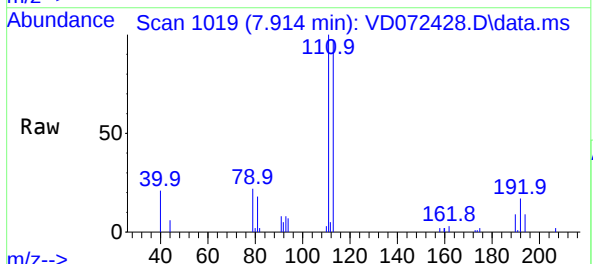
Delta R.T. 0.006 min

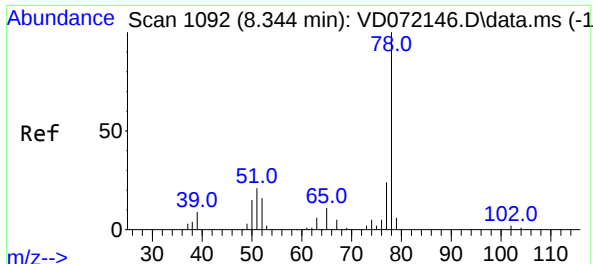
Lab File: VD072428.D

Acq: 25 Mar 2022 14:47

Tgt Ion:113 Resp: 36693

Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	19.8	14.6	21.8





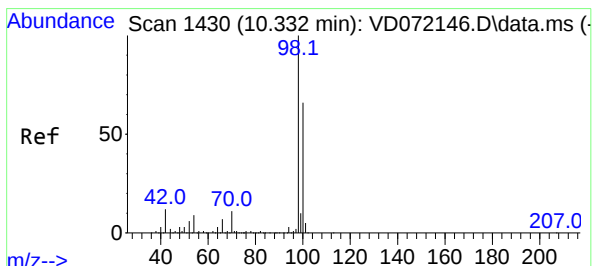
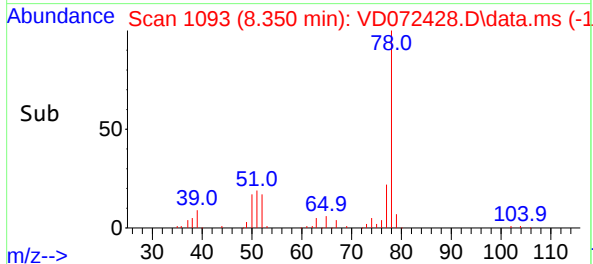
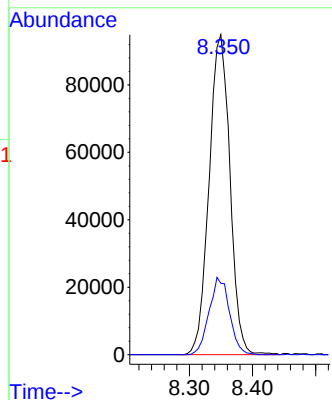
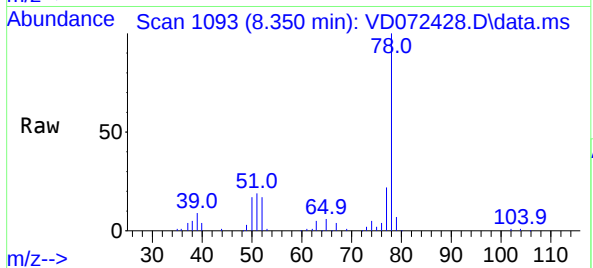
#40
Benzene
Concen: 74.483 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

Tgt Ion: 78 Resp: 21784
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7

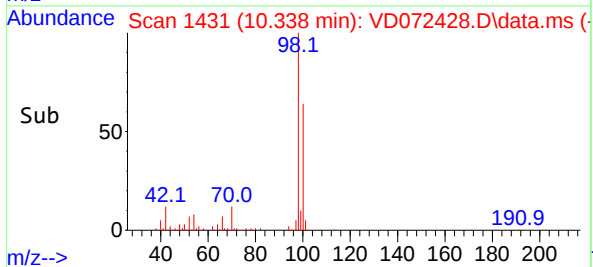
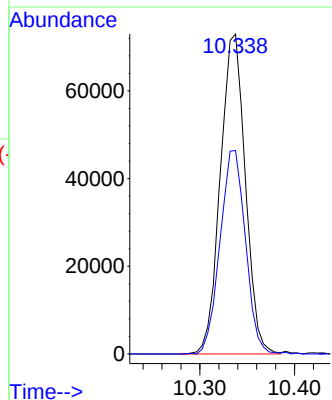
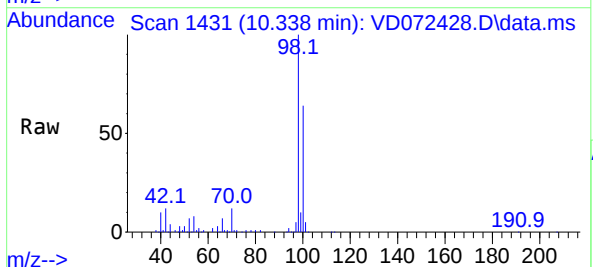
Manual Integrations
APPROVED

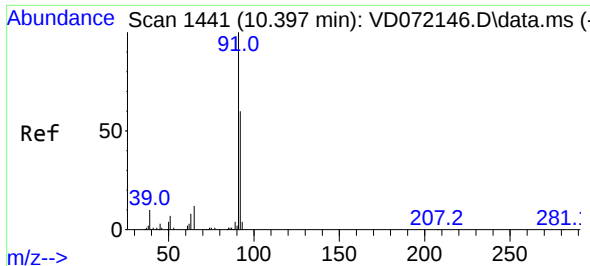
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

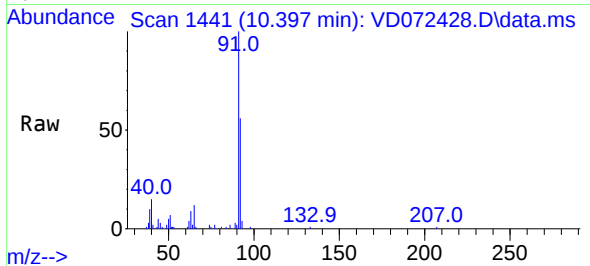
Tgt Ion: 98 Resp: 133875
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6





#52
Toluene
Concen: 12.897 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

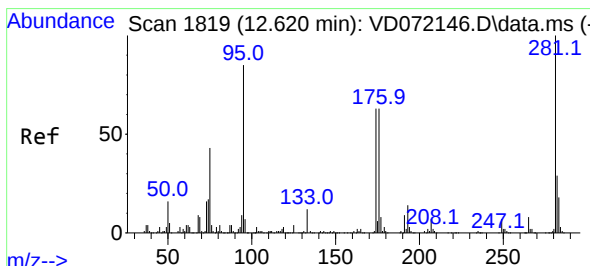
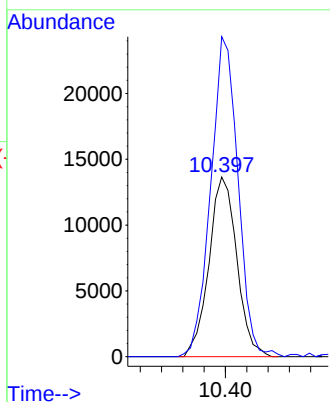
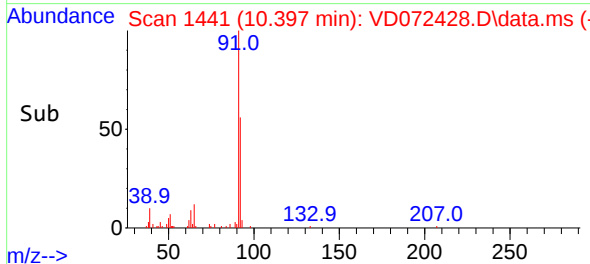
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



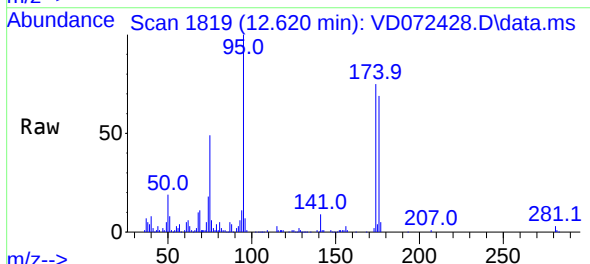
Tgt Ion: 92 Resp: 24820
Ion Ratio Lower Upper
92 100
91 173.9 139.6 209.4

Manual Integrations
APPROVED

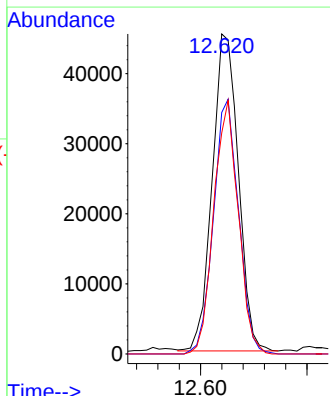
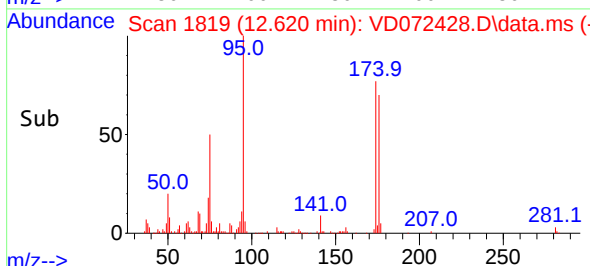
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

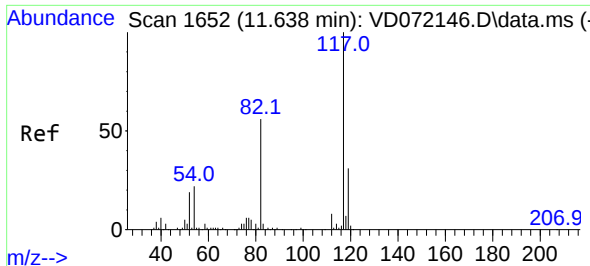


#62
4-Bromofluorobenzene
Concen: 73.954 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47



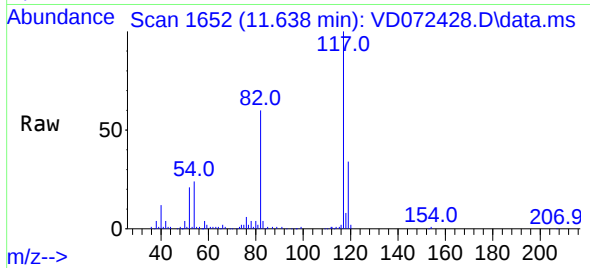
Tgt Ion: 95 Resp: 76783
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 75.1 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

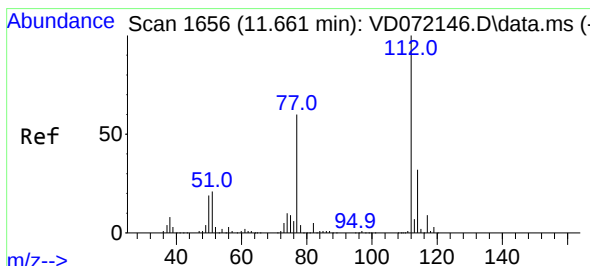
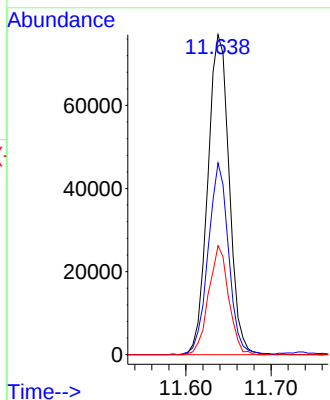
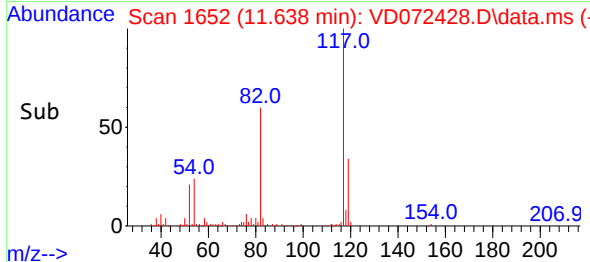
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A



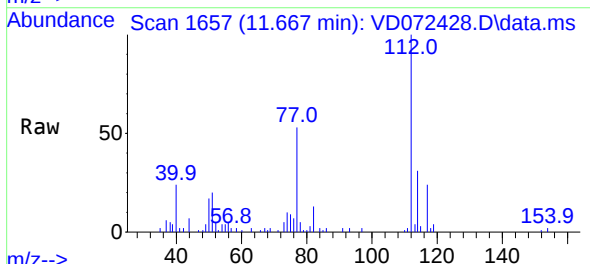
Tgt Ion:117 Resp: 134270
Ion Ratio Lower Upper
117 100
82 59.9 45.3 67.9
119 34.0 26.6 40.0

Manual Integrations
APPROVED

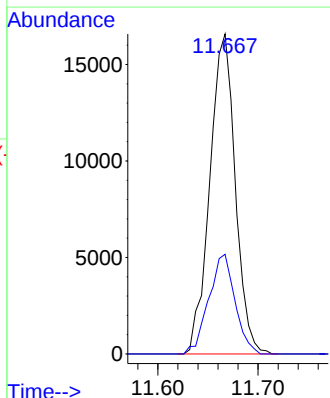
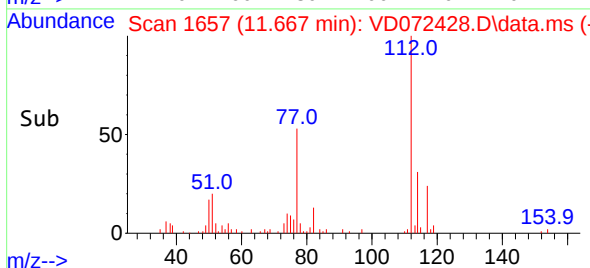
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

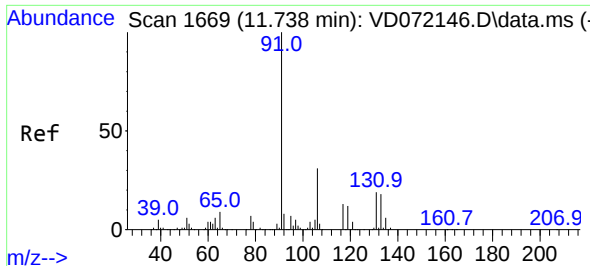


#65
Chlorobenzene
Concen: 9.833 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.006 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47



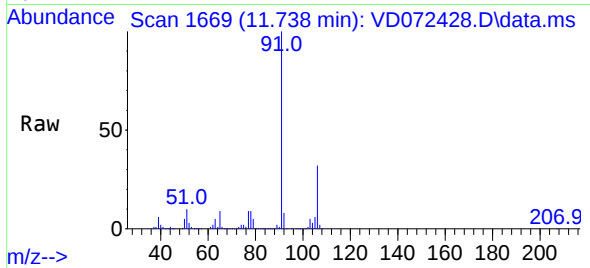
Tgt Ion:112 Resp: 29271
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6





#67
Ethyl Benzene
Concen: 64.904 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

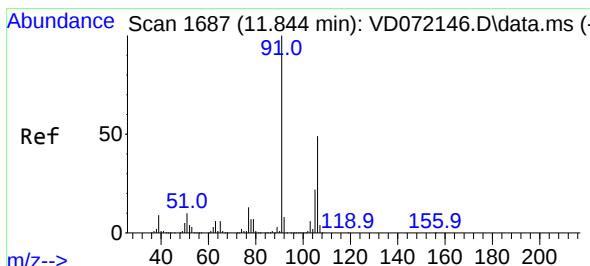
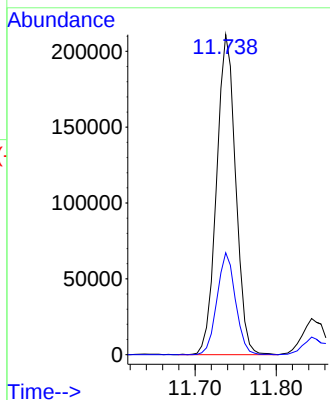
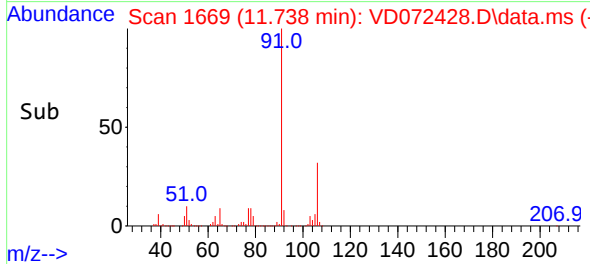
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



Tgt Ion: 91 Resp: 34506
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4

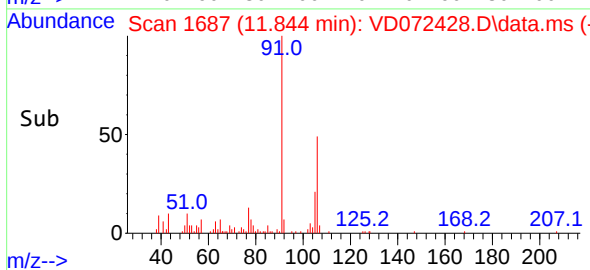
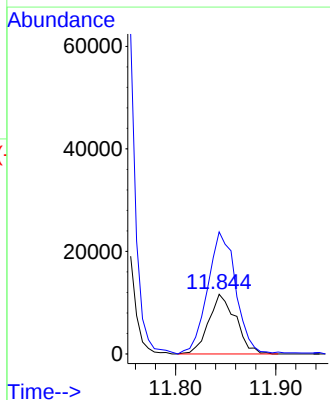
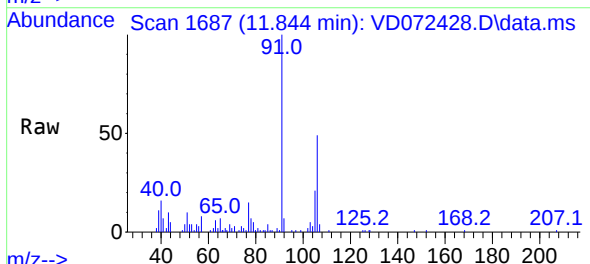
Manual Integrations
APPROVED

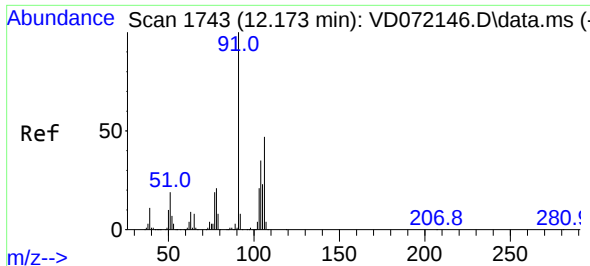
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#68
m/p-Xylenes
Concen: 10.796 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

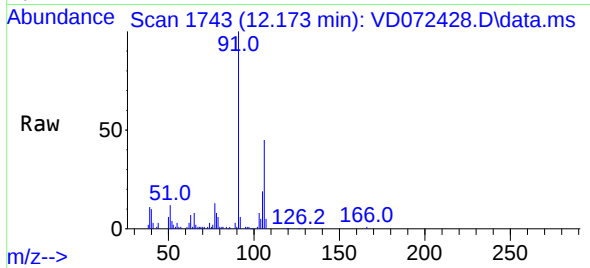
Tgt Ion:106 Resp: 21795
Ion Ratio Lower Upper
106 100
91 215.5 163.7 245.5





#69
o-Xylene
Concen: 14.166 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

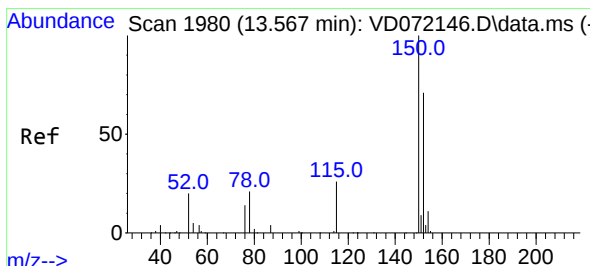
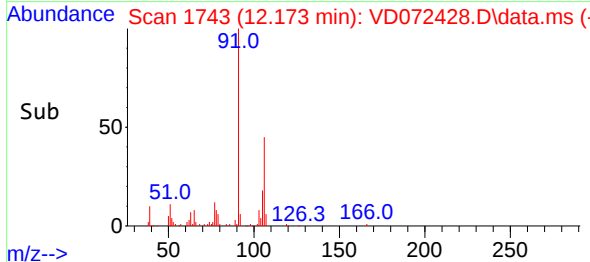
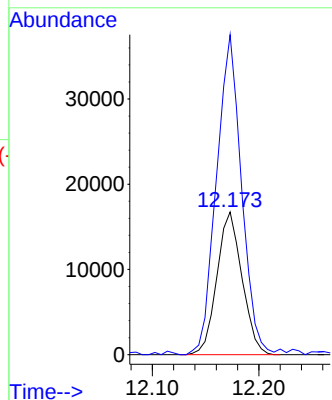
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A



Tgt Ion:106 Resp: 2735
Ion Ratio Lower Upper
106 100
91 223.5 110.4 331.2

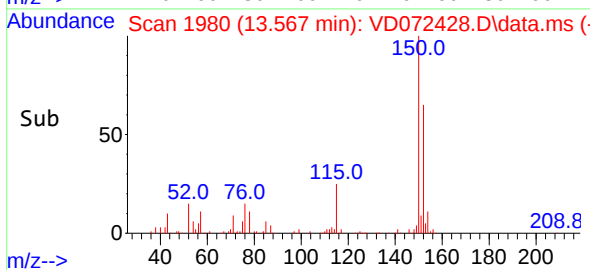
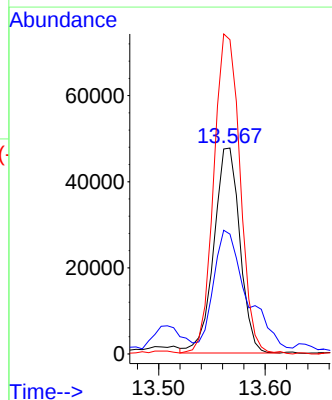
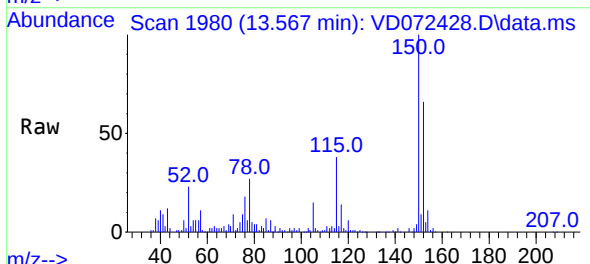
Manual Integrations
APPROVED

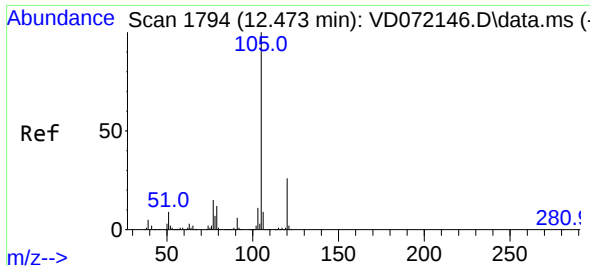
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

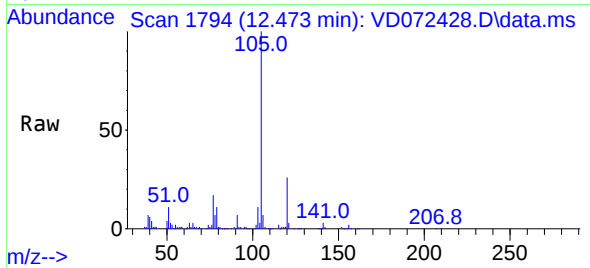
Tgt Ion:152 Resp: 80755
Ion Ratio Lower Upper
152 100
115 72.2 31.3 93.8
150 158.2 0.0 348.6





#73
Isopropylbenzene
Concen: 23.308 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

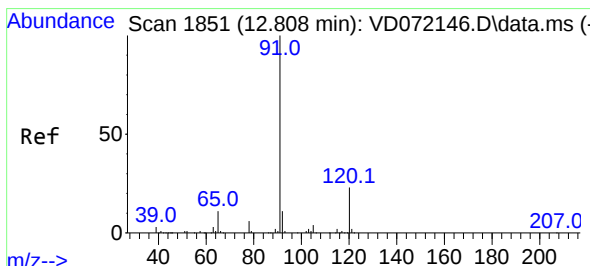
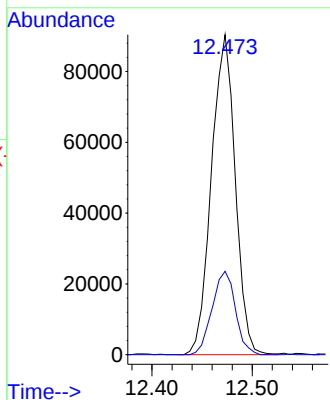
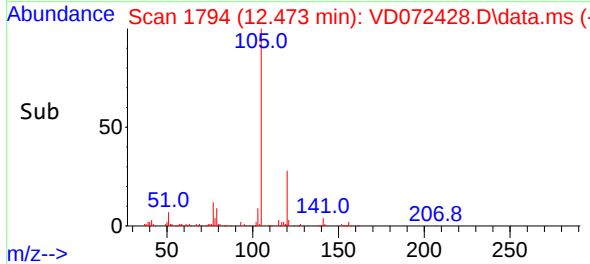
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



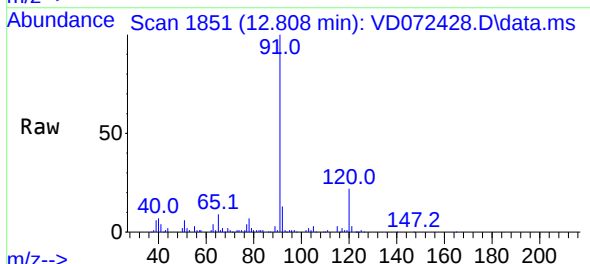
Tgt Ion:105 Resp: 149159
Ion Ratio Lower Upper
105 100
120 25.5 13.0 38.9

Manual Integrations
APPROVED

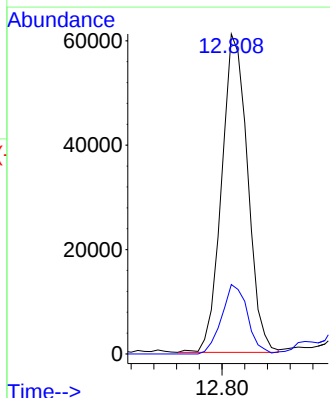
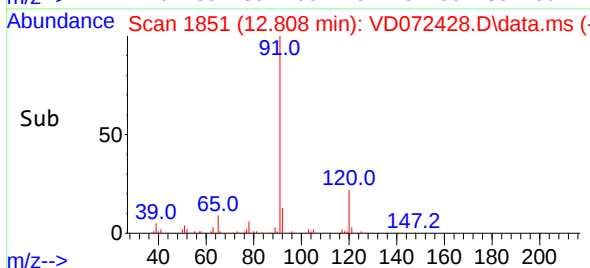
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

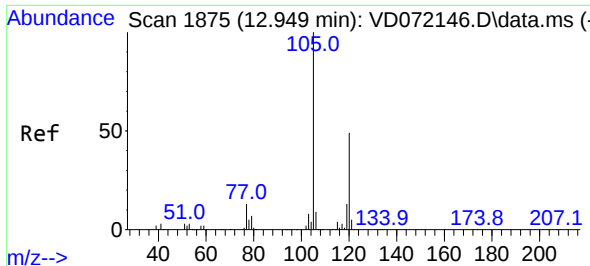


#78
n-propylbenzene
Concen: 12.465 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47



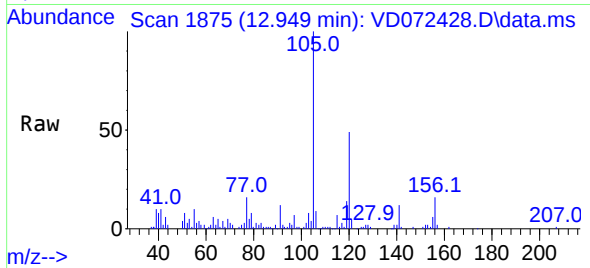
Tgt Ion: 91 Resp: 96895
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 18.643 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

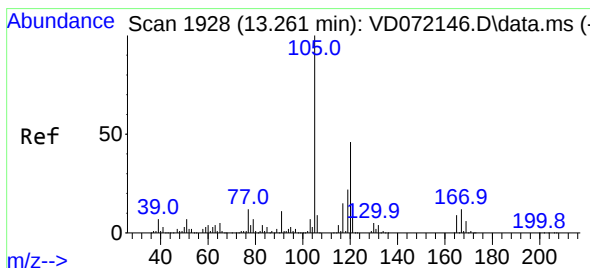
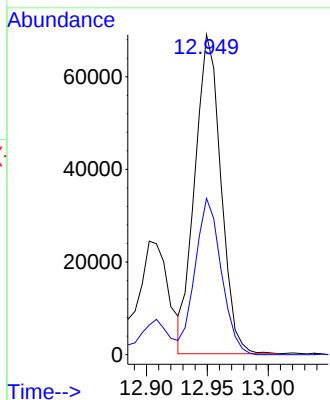
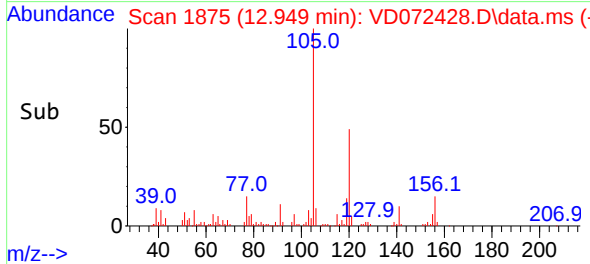
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



Tgt Ion:105 Resp: 102492
Ion Ratio Lower Upper
105 100
120 49.3 24.3 72.8

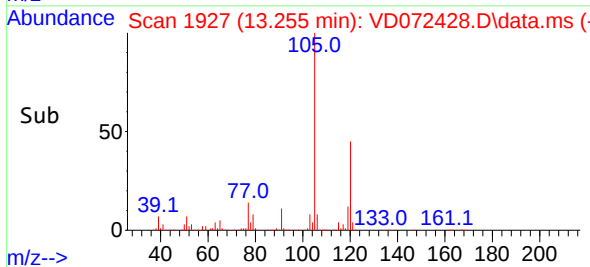
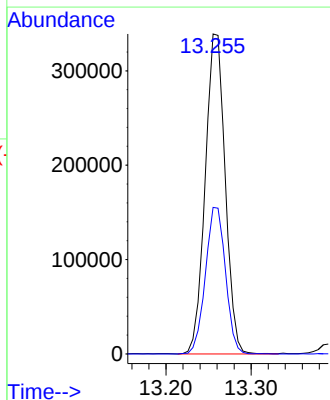
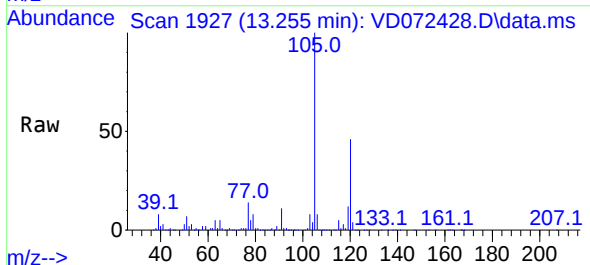
Manual Integrations
APPROVED

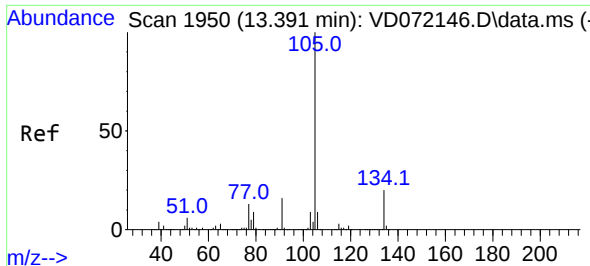
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#84
1,2,4-Trimethylbenzene
Concen: 102.340 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

Tgt Ion:105 Resp: 554382
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8





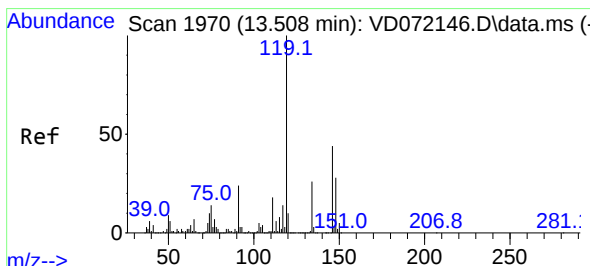
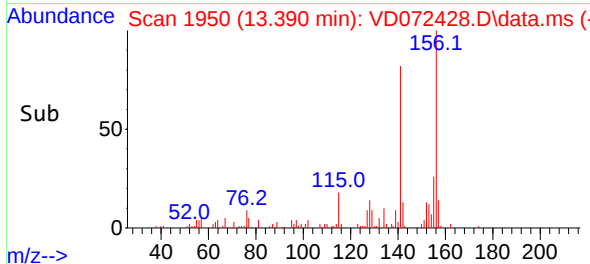
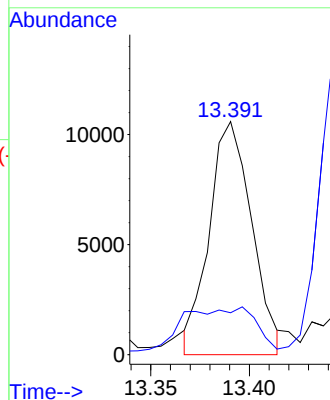
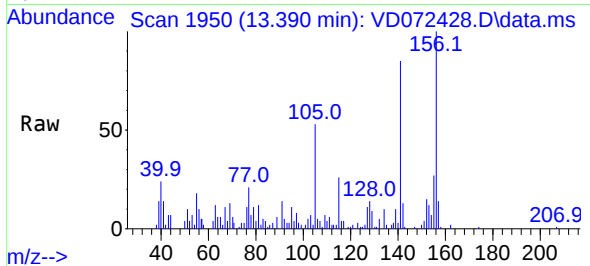
#85
 sec-Butylbenzene
 Concen: 2.191 ug/l m
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072428.D
 Acq: 25 Mar 2022 14:47

Instrument : MSVOA_D
 ClientSampleId : SB-12-20220315-16.0-17.0-A

Tgt Ion:105 Resp: 1585
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3

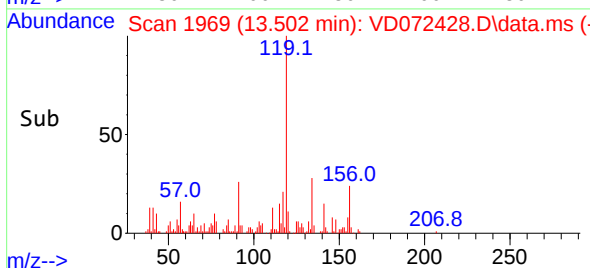
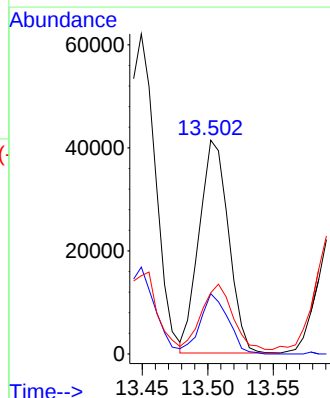
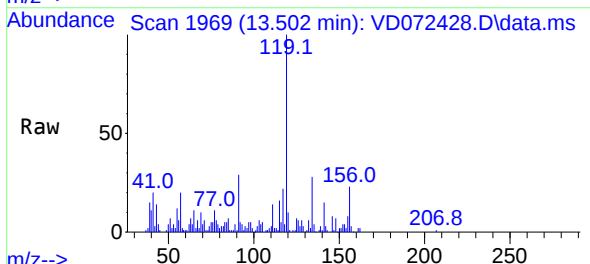
Manual Integrations
 APPROVED

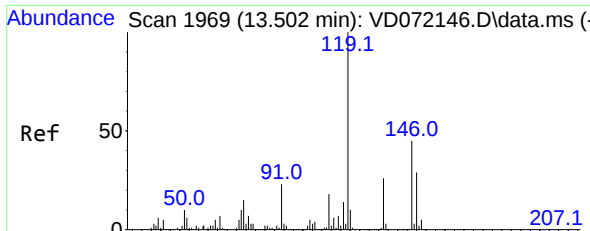
Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022



#86
 p-Isopropyltoluene
 Concen: 10.829 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072428.D
 Acq: 25 Mar 2022 14:47

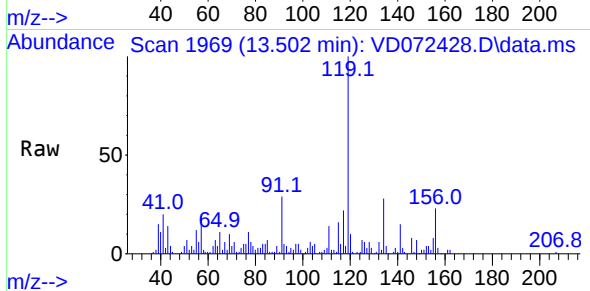
Tgt Ion:119 Resp: 64501
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 31.7 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 2.074 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

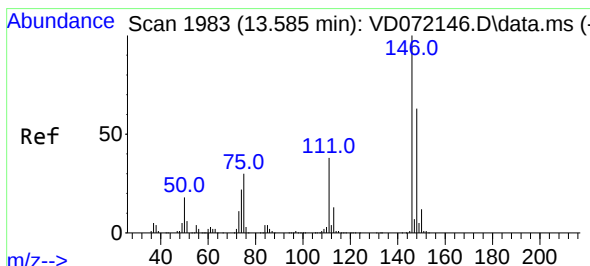
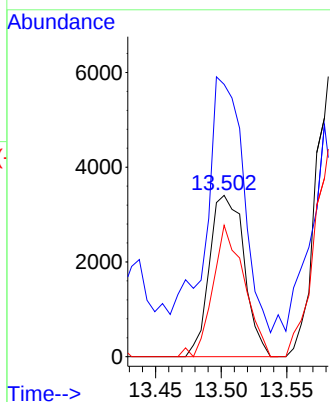
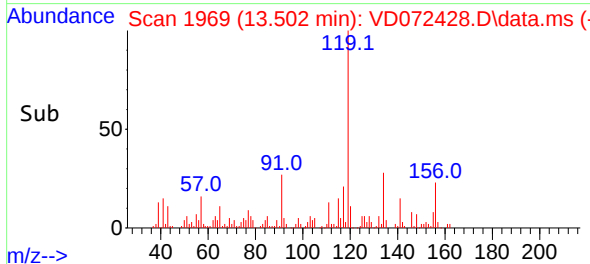
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



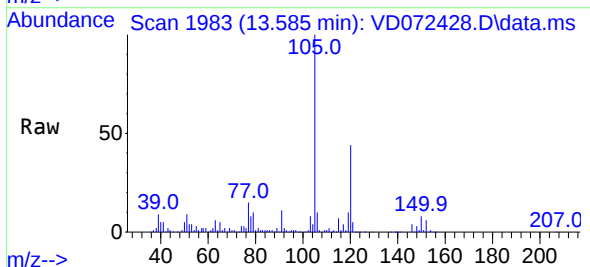
Tgt Ion:146 Resp: 626
Ion Ratio Lower Upper
146 100
111 168.3 20.4 61.3
148 73.9 31.9 95.7

Manual Integrations
APPROVED

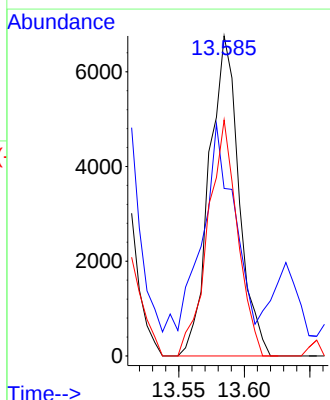
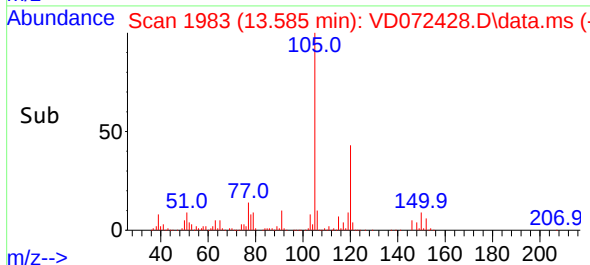
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

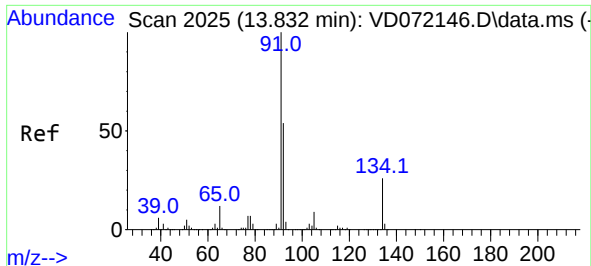


#88
1,4-Dichlorobenzene
Concen: 3.547 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47



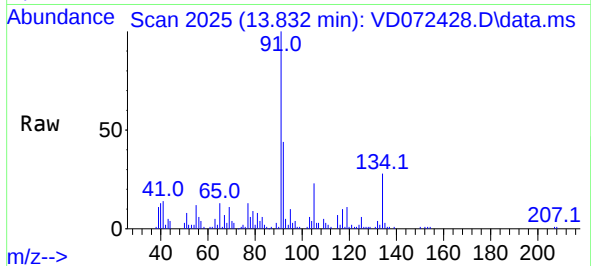
Tgt Ion:146 Resp: 10617
Ion Ratio Lower Upper
146 100
111 68.5 20.3 60.9
148 73.6 31.7 95.1





#89
n-Butylbenzene
Concen: 5.291 ug/l m
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47

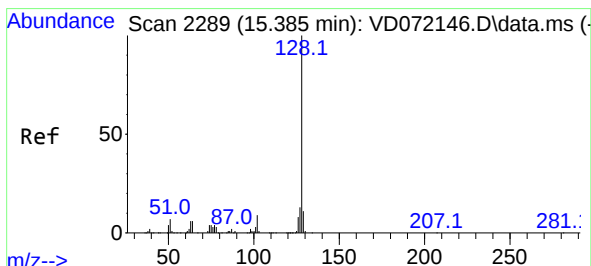
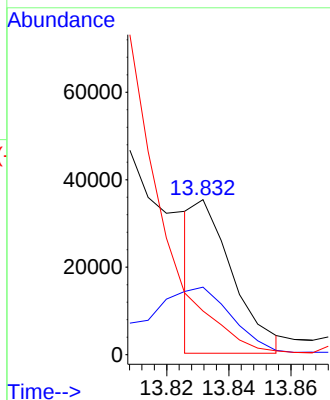
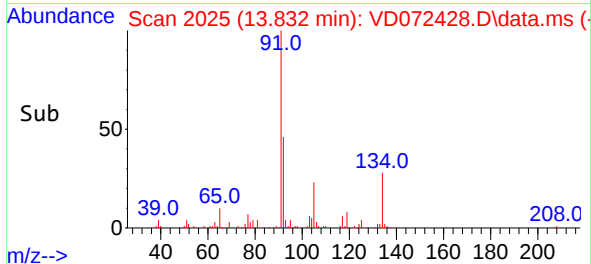
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A



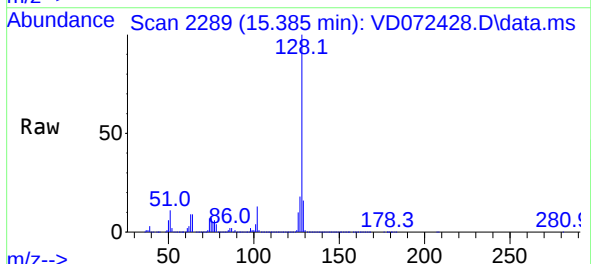
Tgt Ion: 91 Resp: 30040
Ion Ratio Lower Upper
91 100
92 128.5 26.6 79.8#
134 0.0 12.3 36.9#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#95
Naphthalene
Concen: 6015.064 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072428.D
Acq: 25 Mar 2022 14:47



Tgt Ion:128 Resp:18067125
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 13.4 8.4 12.6#

