

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072311.D
 Acq On : 19 Mar 2022 02:13
 Operator : VA/SY
 Sample : N1960-15
 Misc : 6.15G/5.00ml/MSVOA_D/SoIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-20220316-16.0-17.0

Quant Time: Mar 19 05:33:22 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

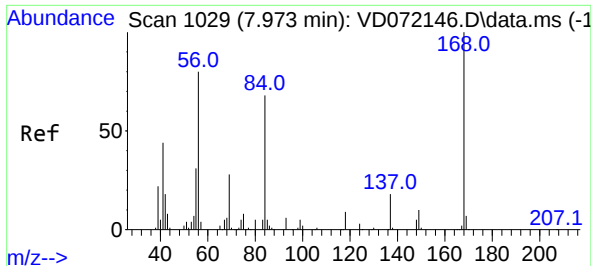
Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

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

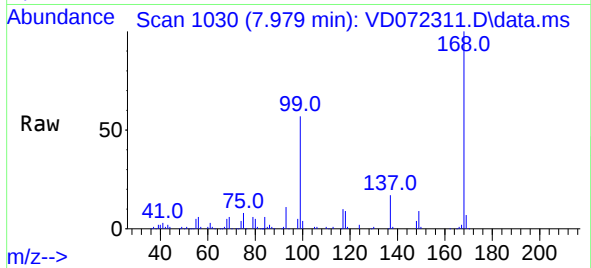
Internal Standards						
1) Pentafluorobenzene	7.979	168	389816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	655916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	695957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301317	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195703	45.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.100%		
35) Dibromofluoromethane	7.908	113	192751	41.760	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.520%		
50) Toluene-d8	10.332	98	834066	49.419	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.840%		
62) 4-Bromofluorobenzene	12.620	95	374738	57.144	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	114.280%		
Target Compounds						Qvalue
16) Acetone	4.161	43	54536	57.818	ug/l	98
17) Carbon Disulfide	4.409	76	254261	31.016	ug/l	99
25) 2-Butanone	7.214	43	16622	13.217	ug/l	96
31) Cyclohexane	7.985	56	35320	5.204	ug/l	# 67
39) Methylcyclohexane	9.349	83	100422	13.782	ug/l	93
40) Benzene	8.344	78	649523	35.160	ug/l	100
52) Toluene	10.396	92	108537	8.929	ug/l	97
67) Ethyl Benzene	11.738	91	7025961	254.961	ug/l	97
68) m/p-Xylenes	11.843	106	492193	47.037	ug/l	100
69) o-Xylene	12.173	106	829227	82.849	ug/l	99
73) Isopropylbenzene	12.473	105	4315202	180.720	ug/l	99
78) n-propylbenzene	12.808	91	2373524	81.836	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	5412412	263.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	13146050	650.398	ug/l	92
85) sec-Butylbenzene	13.390	105	322200m	11.930	ug/l	
86) p-Isopropyltoluene	13.502	119	2247666	101.136	ug/l	97

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

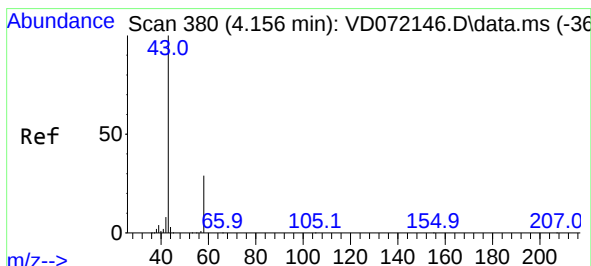
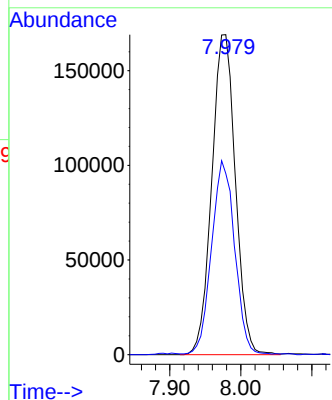
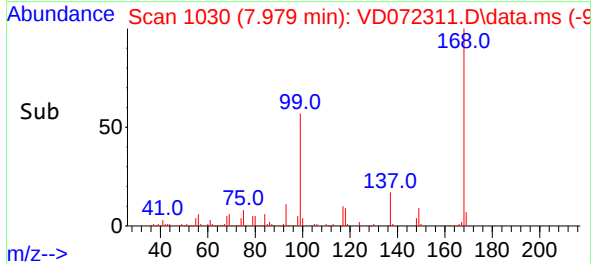
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:168 Resp: 389810
Ion Ratio Lower Upper
168 100
99 56.4 49.8 74.6

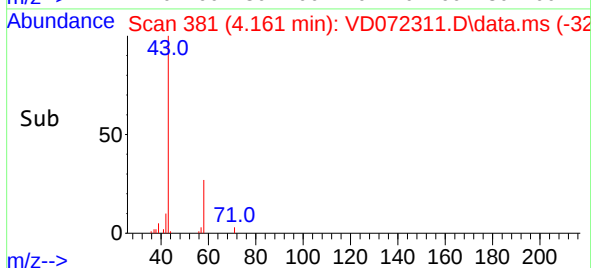
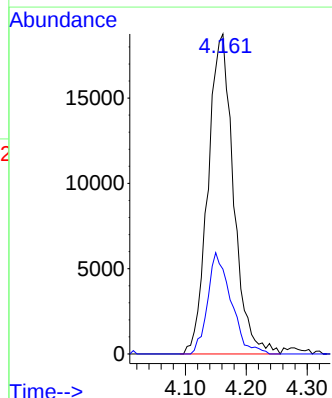
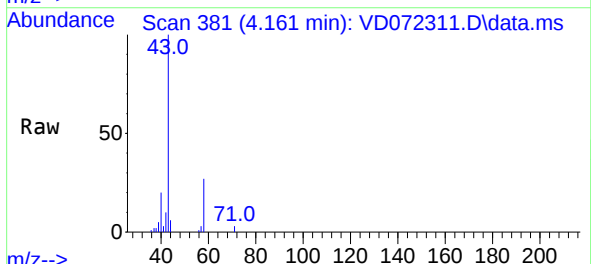
Manual Integrations
APPROVED

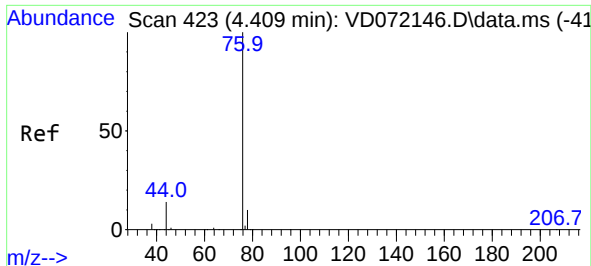
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022



#16
Acetone
Concen: 57.818 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

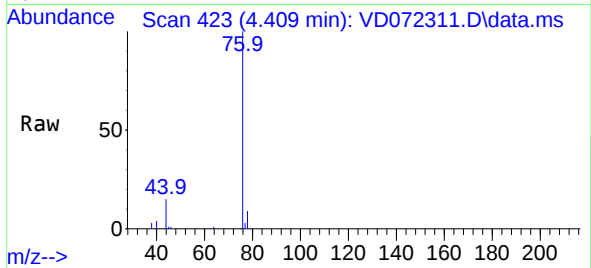
Tgt Ion: 43 Resp: 54536
Ion Ratio Lower Upper
43 100
58 26.5 22.1 33.1





#17
Carbon Disulfide
Concen: 31.016 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

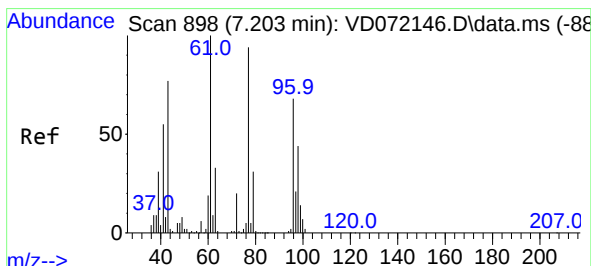
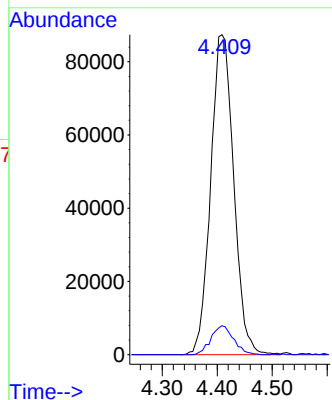
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion: 76 Resp: 25426
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

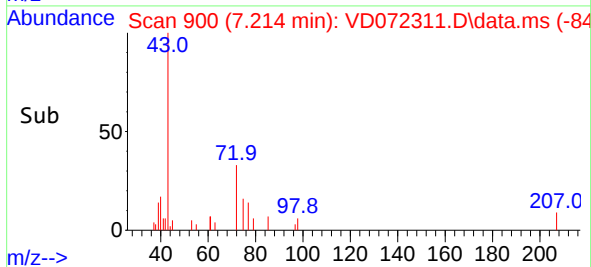
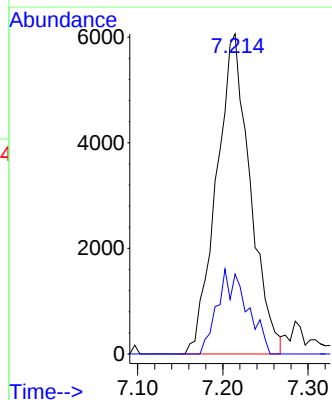
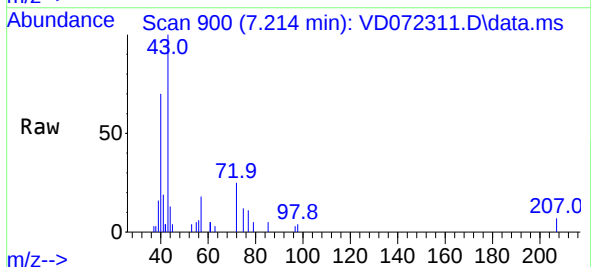
Manual Integrations
APPROVED

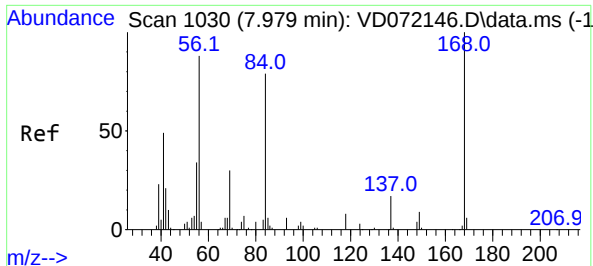
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022



#25
2-Butanone
Concen: 13.217 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

Tgt Ion: 43 Resp: 16622
Ion Ratio Lower Upper
43 100
72 25.0 18.6 27.8





#31

Cyclohexane

Concen: 5.204 ug/l

RT: 7.985 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD072311.D

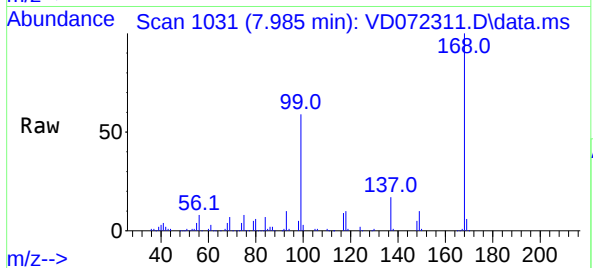
Acq: 19 Mar 2022 02:13

Instrument :

MSVOA_D

ClientSampleId :

SB-13-20220316-16.0-17.0



Tgt Ion: 56 Resp: 35320

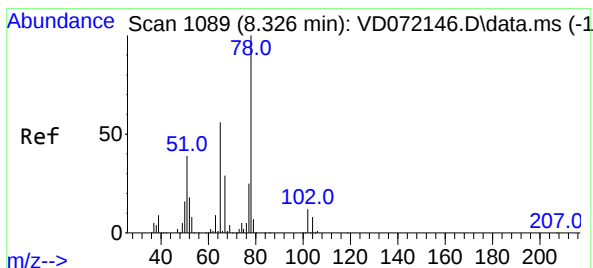
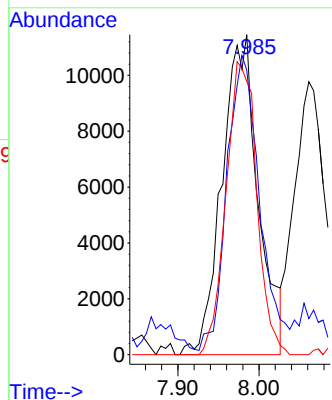
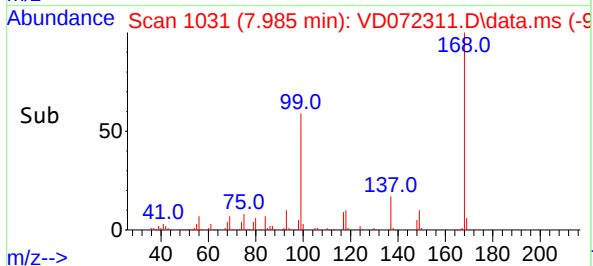
Ion	Ratio	Lower	Upper
56	100		
69	84.3	25.4	38.2
84	85.3	63.0	94.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2022

Supervised By :Mahesh Dadoda 03/21/2022



#33

1,2-Dichloroethane-d4

Concen: 45.048 ug/l

RT: 8.326 min Scan# 1089

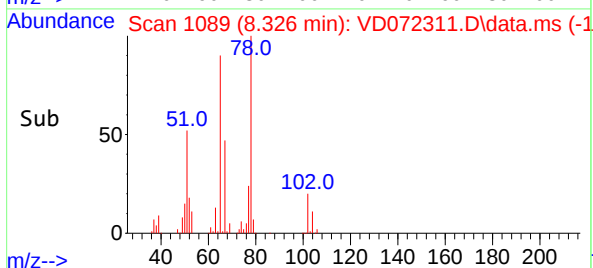
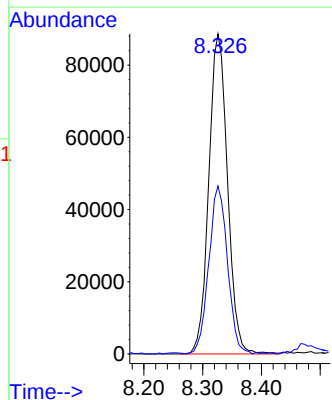
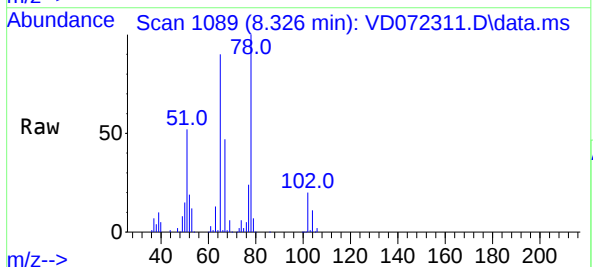
Delta R.T. -0.000 min

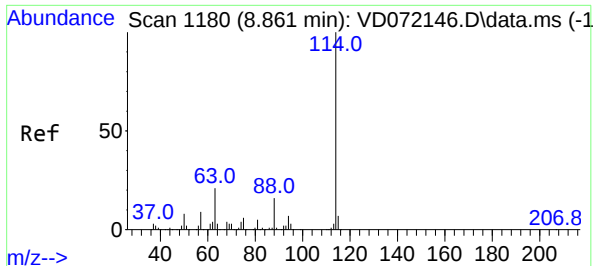
Lab File: VD072311.D

Acq: 19 Mar 2022 02:13

Tgt Ion: 65 Resp: 195703

Ion	Ratio	Lower	Upper
65	100		
67	52.4	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: VD072311.D

Acq: 19 Mar 2022 02:13

Instrument :

MSVOA_D

ClientSampleId :

SB-13-20220316-16.0-17.0

Tgt Ion:114 Resp: 655910

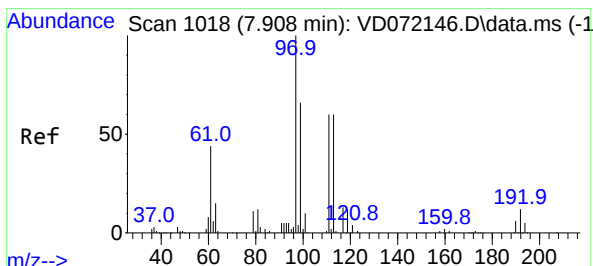
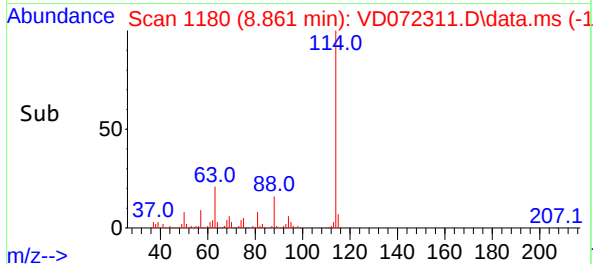
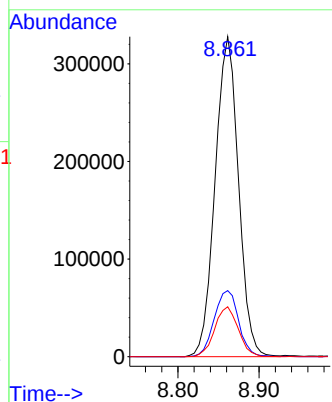
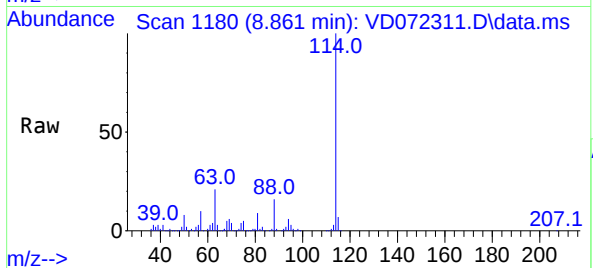
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	46.6
88	15.6	0.0	33.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2022

Supervised By :Mahesh Dadoda 03/21/2022



#35

Dibromofluoromethane

Concen: 41.760 ug/l

RT: 7.908 min Scan# 1018

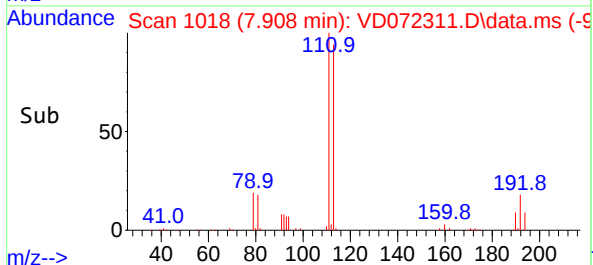
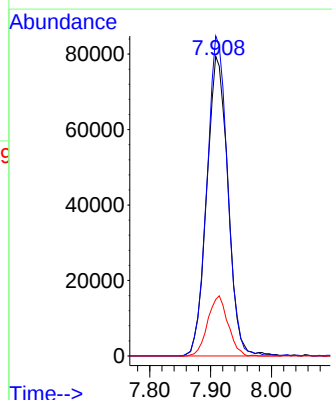
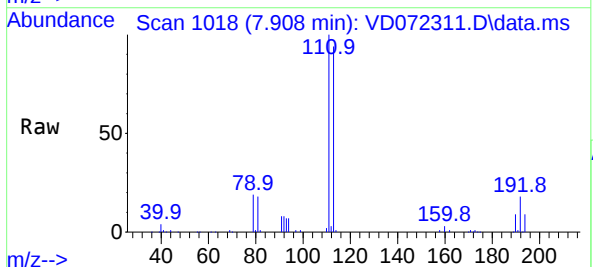
Delta R.T. -0.000 min

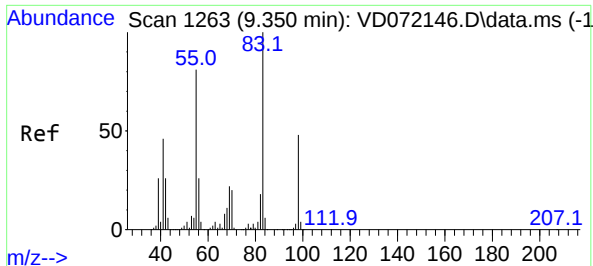
Lab File: VD072311.D

Acq: 19 Mar 2022 02:13

Tgt Ion:113 Resp: 192751

Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.8	125.6
192	19.1	14.6	21.8





#39

Methylcyclohexane

Concen: 13.782 ug/l

RT: 9.349 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD072311.D

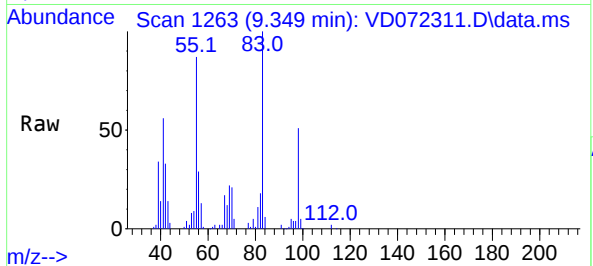
Acq: 19 Mar 2022 02:13

Instrument :

MSVOA_D

ClientSampleId :

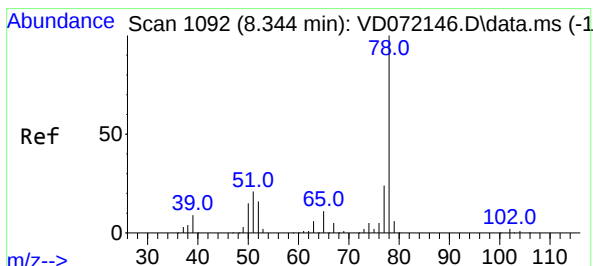
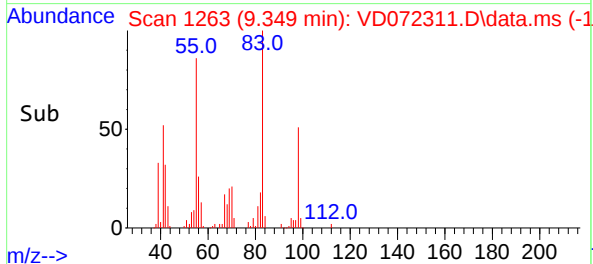
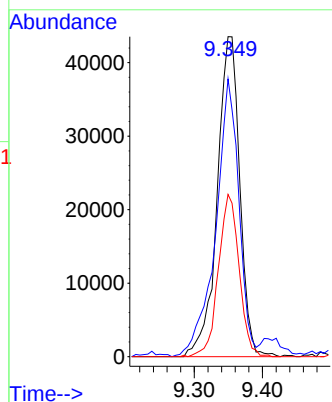
SB-13-20220316-16.0-17.0



Tgt Ion:	83	Resp:	10042
Ion Ratio	Lower	Upper	
83	100		
55	86.1	63.2	94.8
98	50.7	38.2	57.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022



#40

Benzene

Concen: 35.160 ug/l

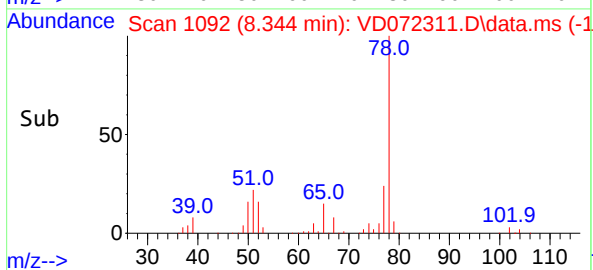
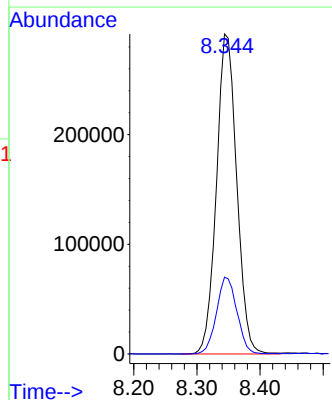
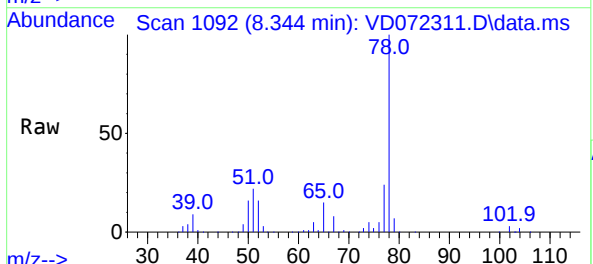
RT: 8.344 min Scan# 1092

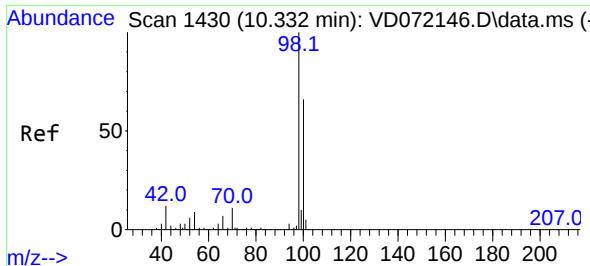
Delta R.T. -0.000 min

Lab File: VD072311.D

Acq: 19 Mar 2022 02:13

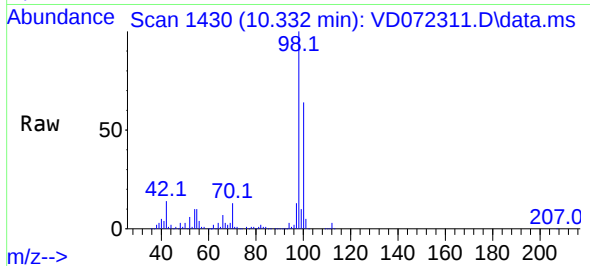
Tgt Ion:	78	Resp:	649523
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7





#50
Toluene-d8
Concen: 49.419 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

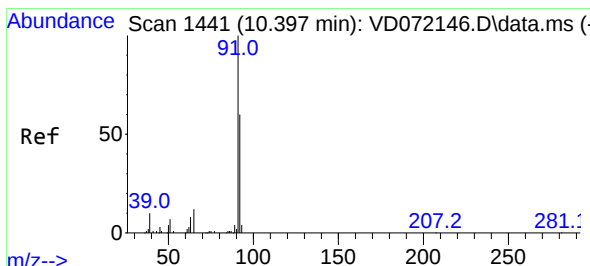
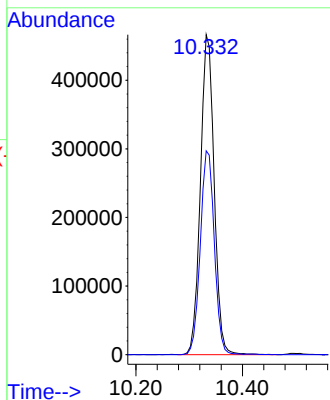
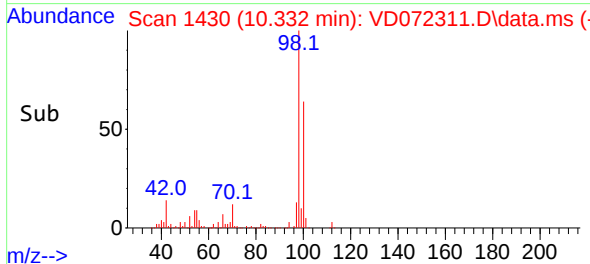
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0



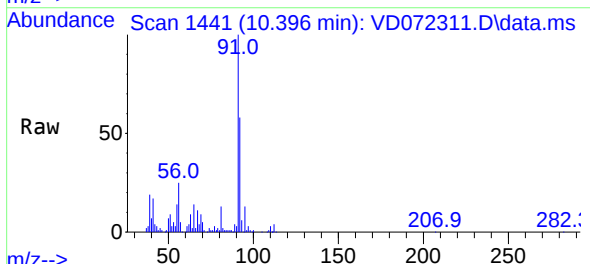
Tgt Ion: 98 Resp: 834060
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

Manual Integrations
APPROVED

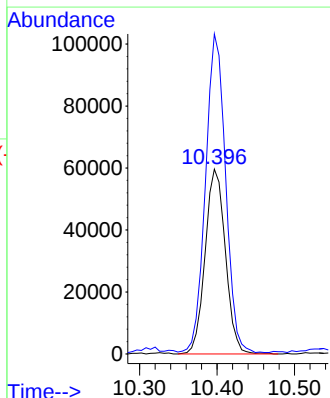
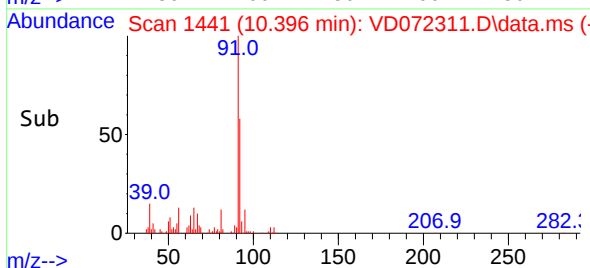
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

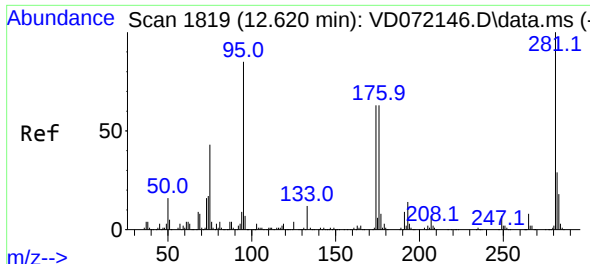


#52
Toluene
Concen: 8.929 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13



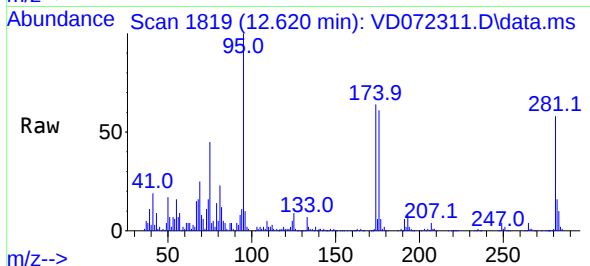
Tgt Ion: 92 Resp: 108537
Ion Ratio Lower Upper
92 100
91 170.2 139.6 209.4





#62
4-Bromofluorobenzene
Concen: 57.144 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

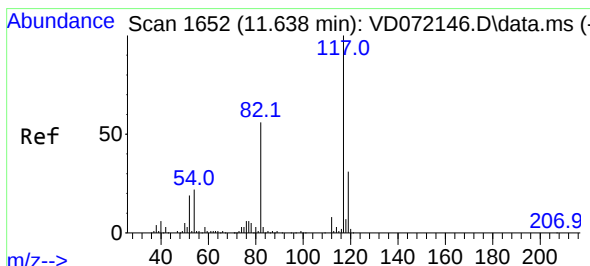
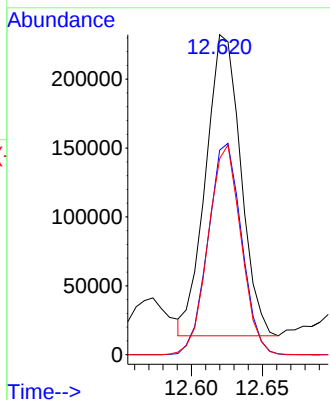
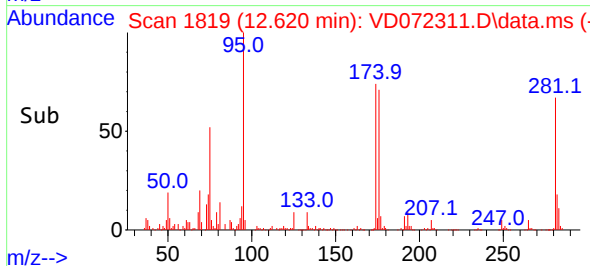
Instrument : MSVOA_D
ClientSampleId : SB-13-20220316-16.0-17.0



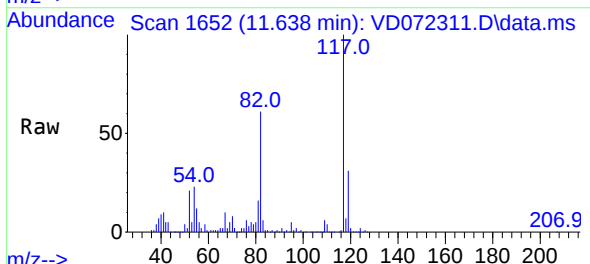
Tgt Ion: 95 Resp: 374738
Ion Ratio Lower Upper
95 100
174 67.2 0.0 152.8
176 65.4 0.0 145.4

Manual Integrations
APPROVED

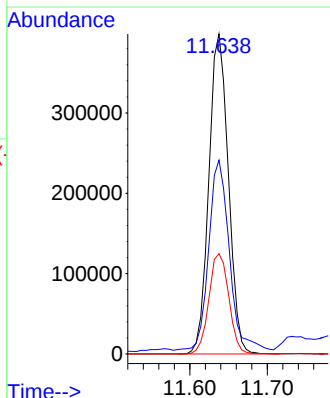
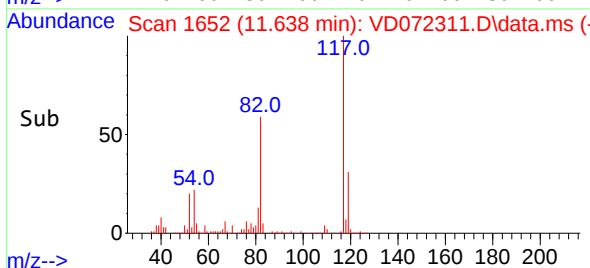
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

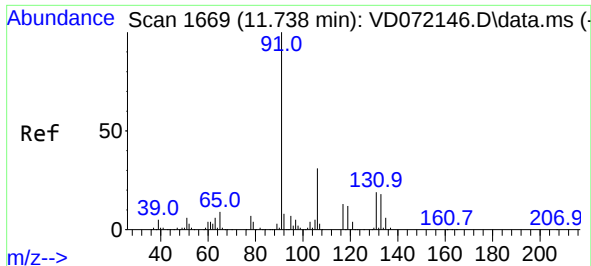


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13



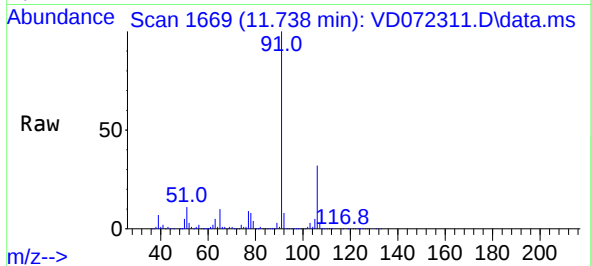
Tgt Ion:117 Resp: 695957
Ion Ratio Lower Upper
117 100
82 59.1 45.3 67.9
119 31.3 26.6 40.0





#67
Ethyl Benzene
Concen: 254.961 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

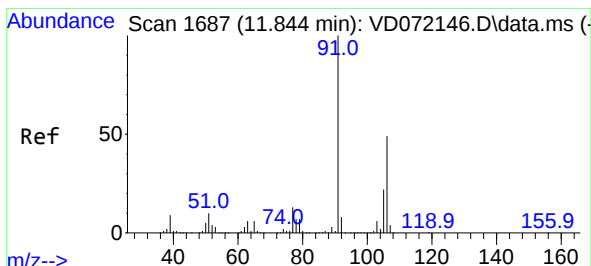
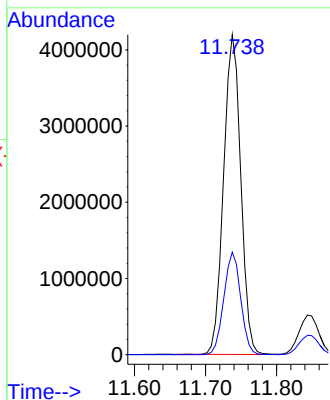
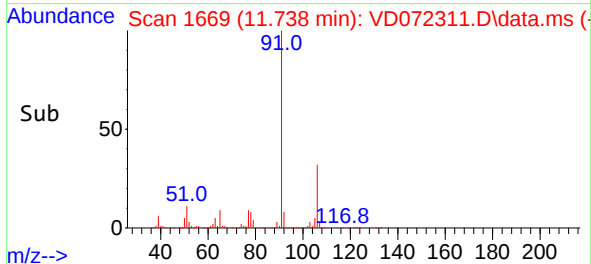
Instrument : MSVOA_D
ClientSampleId : SB-13-20220316-16.0-17.0



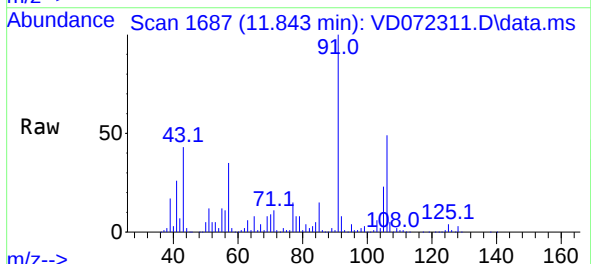
Tgt Ion: 91 Resp: 702596
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.4

Manual Integrations
APPROVED

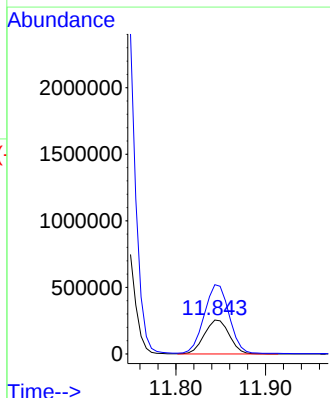
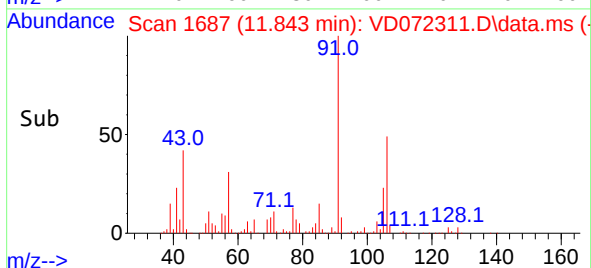
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

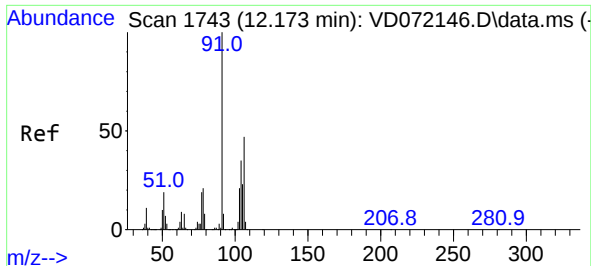


#68
m/p-Xylenes
Concen: 47.037 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13



Tgt Ion:106 Resp: 492193
Ion Ratio Lower Upper
106 100
91 204.3 163.7 245.5





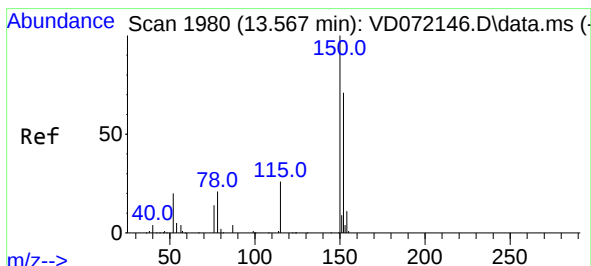
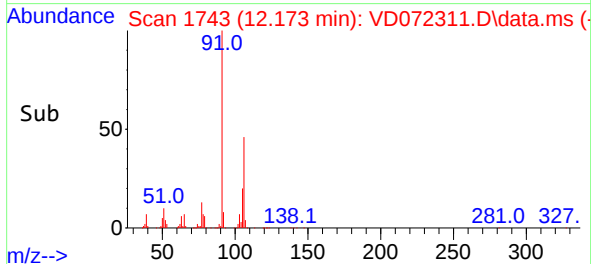
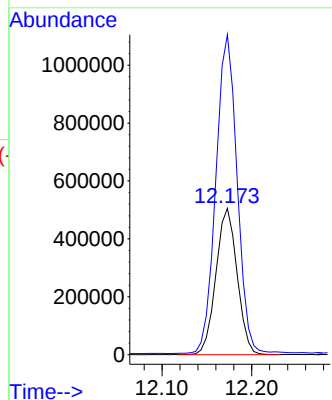
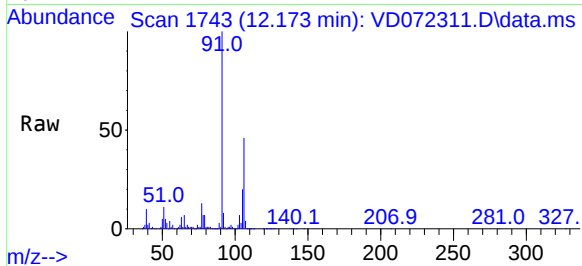
#69
o-Xylene
Concen: 82.849 ug/l
RT: 12.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0

Tgt Ion:106 Resp: 82922
Ion Ratio Lower Upper
106 100
91 219.5 110.4 331.2

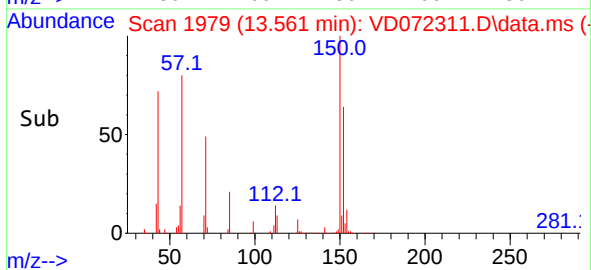
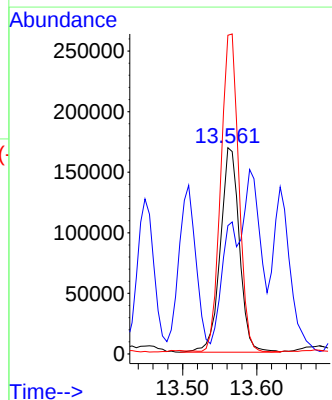
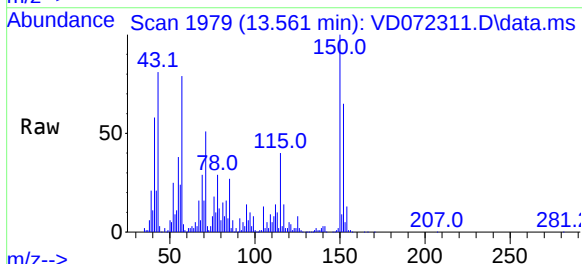
Manual Integrations
APPROVED

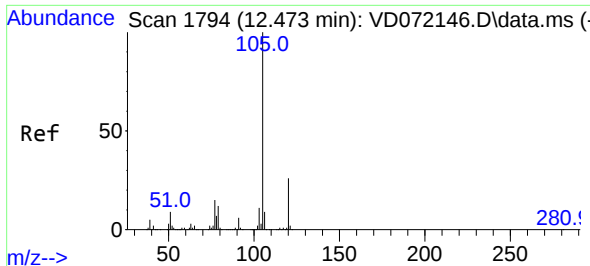
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

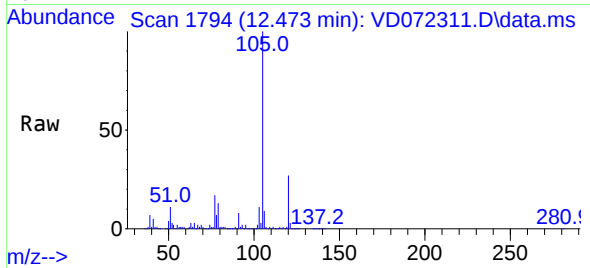
Tgt Ion:152 Resp: 301317
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 147.0 0.0 348.6





#73
Isopropylbenzene
Concen: 180.720 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

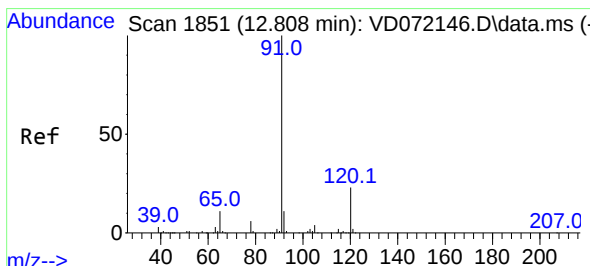
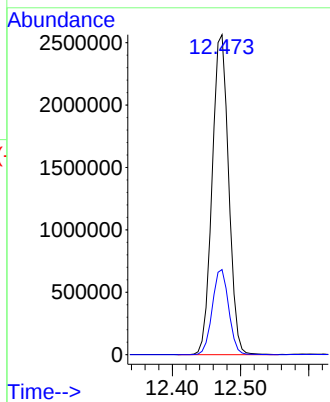
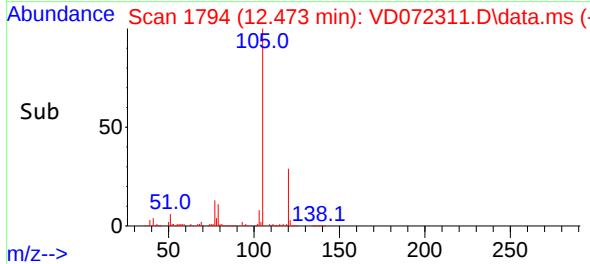
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0



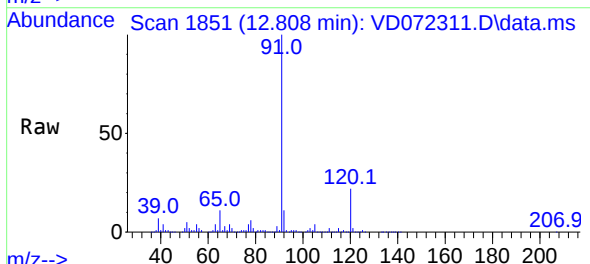
Tgt Ion:105 Resp: 431520
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

Manual Integrations
APPROVED

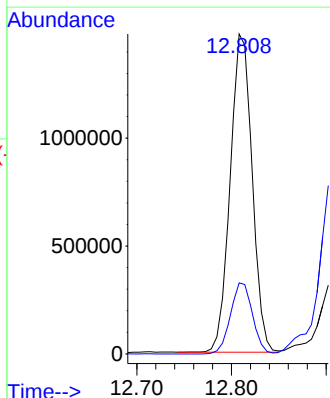
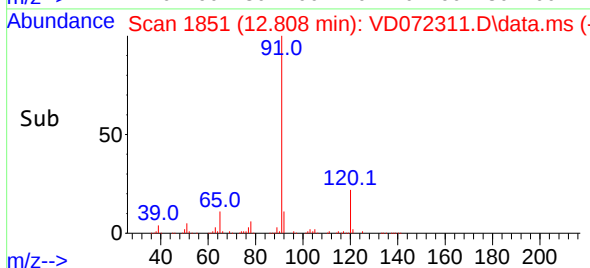
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

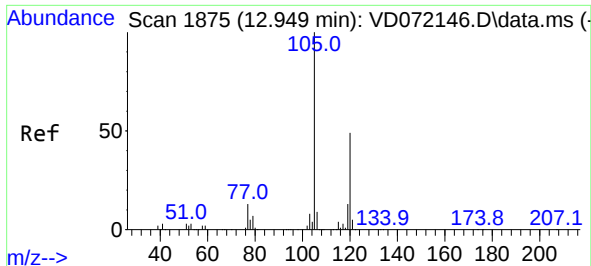


#78
n-propylbenzene
Concen: 81.836 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13



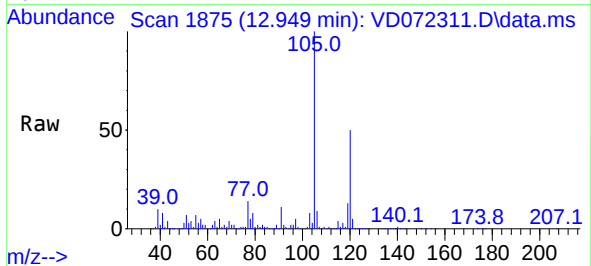
Tgt Ion: 91 Resp: 2373524
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 263.848 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13

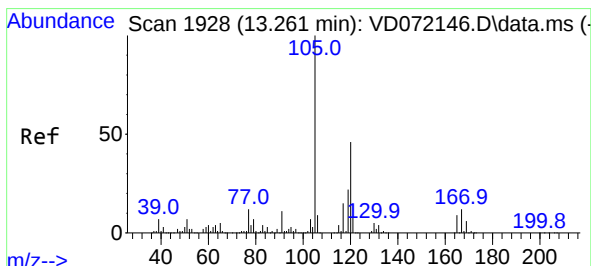
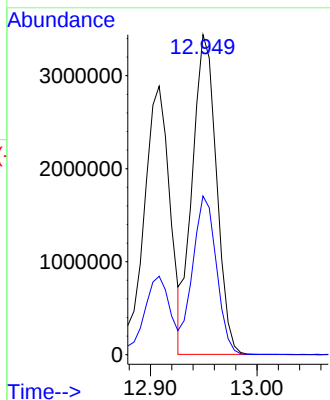
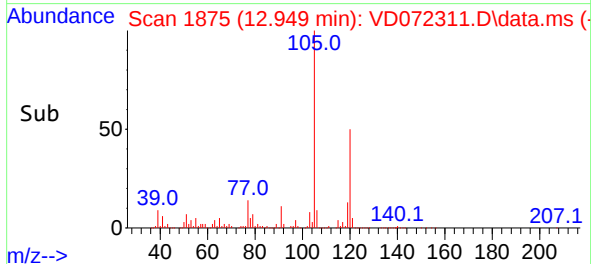
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-16.0-17.0



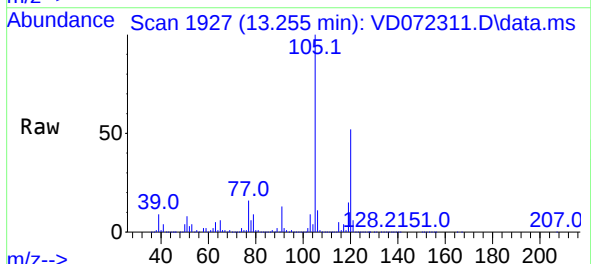
Tgt Ion:105 Resp: 541241
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8

Manual Integrations
APPROVED

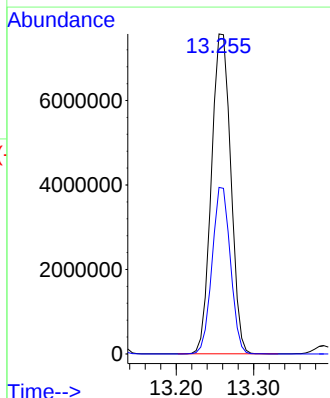
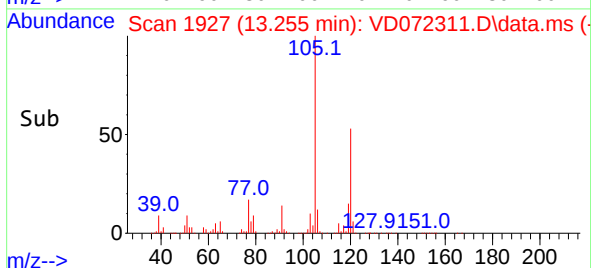
Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

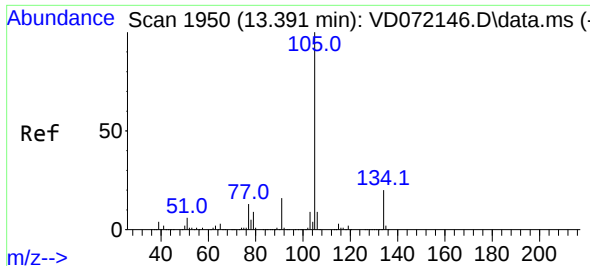


#84
1,2,4-Trimethylbenzene
Concen: 650.398 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072311.D
Acq: 19 Mar 2022 02:13



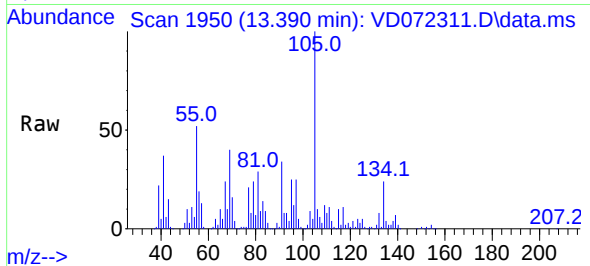
Tgt Ion:105 Resp:13146050
Ion Ratio Lower Upper
105 100
120 49.4 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 11.930 ug/l m
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072311.D
 Acq: 19 Mar 2022 02:13

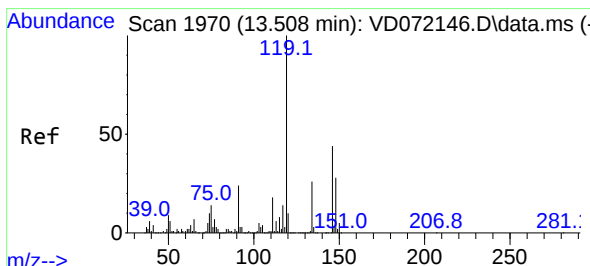
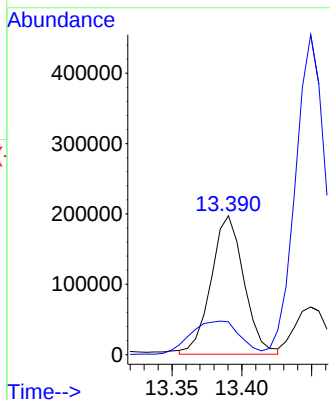
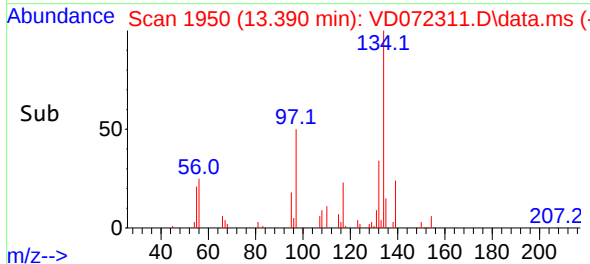
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-20220316-16.0-17.0



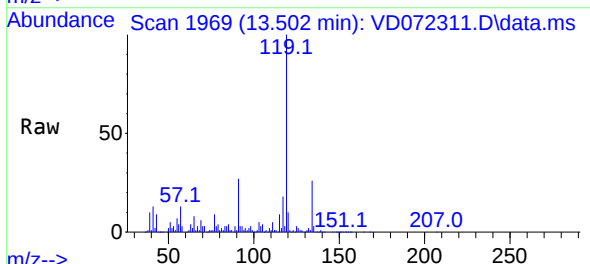
Tgt Ion:105 Resp: 322200
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/21/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#86
 p-Isopropyltoluene
 Concen: 101.136 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072311.D
 Acq: 19 Mar 2022 02:13



Tgt Ion:119 Resp: 2247666
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.6
 91 27.0 12.1 36.3

