

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072193.D
 Acq On : 15 Mar 2022 17:14
 Operator : VA/SY
 Sample : N1905-07
 Misc : 4.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-4-(3.5-4.0)

Quant Time: Mar 16 01:01:04 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 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	497619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	912322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	870249	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	474435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278082	50.144	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.280%			
35) Dibromofluoromethane	7.914	113	281612	43.864	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.720%			
50) Toluene-d8	10.338	98	3501395	149.154	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 298.300%#			
62) 4-Bromofluorobenzene	12.620	95	993912	108.965	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 217.940%#			
Target Compounds						Qvalue
17) Carbon Disulfide	4.409	76	118001	12.231	ug/l	100
31) Cyclohexane	7.985	56	757904	87.474	ug/l	95
39) Methylcyclohexane	9.355	83	14088666	1390.099	ug/l	95
40) Benzene	8.350	78	114244	4.446	ug/l	98
67) Ethyl Benzene	11.738	91	187878	5.452	ug/l	96
68) m/p-Xylenes	11.849	106	125372	9.582	ug/l	# 56
69) o-Xylene	12.173	106	57216	4.572	ug/l	# 1
73) Isopropylbenzene	12.473	105	2598988	69.128	ug/l	100
78) n-propylbenzene	12.814	91	3444877	75.435	ug/l	99
83) tert-Butylbenzene	13.214	119	269045	9.501	ug/l	82
84) 1,2,4-Trimethylbenzene	13.261	105	126369	3.971	ug/l	97
85) sec-Butylbenzene	13.390	105	2222717	52.269	ug/l	# 70
86) p-Isopropyltoluene	13.508	119	69890m	1.997	ug/l	
89) n-Butylbenzene	13.832	91	1641372	49.211	ug/l	# 78

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

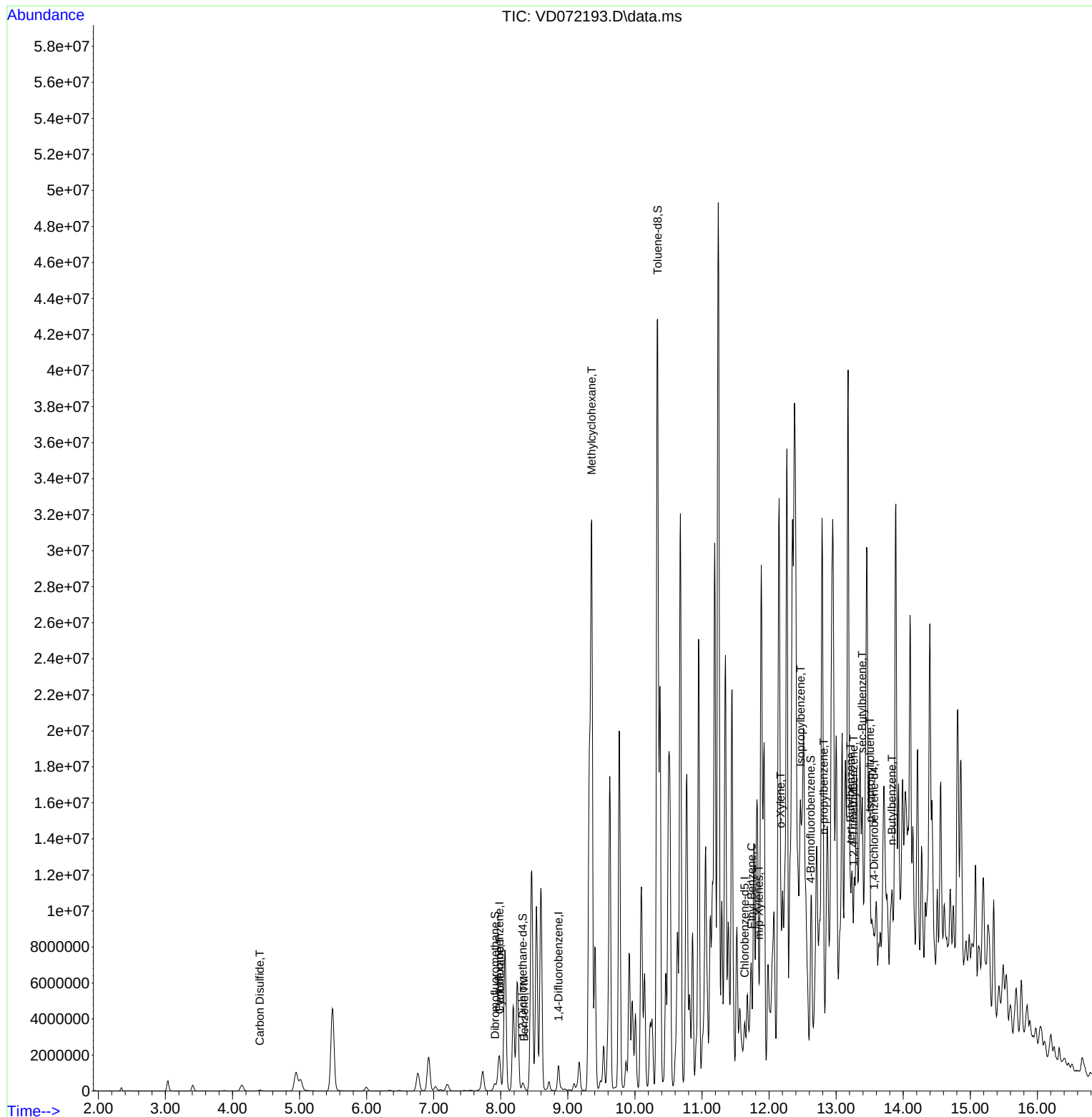
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
Data File : VD072193.D
Acq On : 15 Mar 2022 17:14
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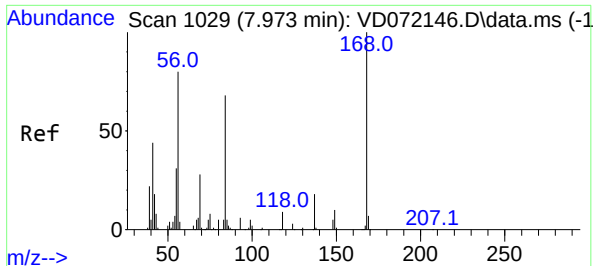
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)

Quant Time: Mar 16 01:01:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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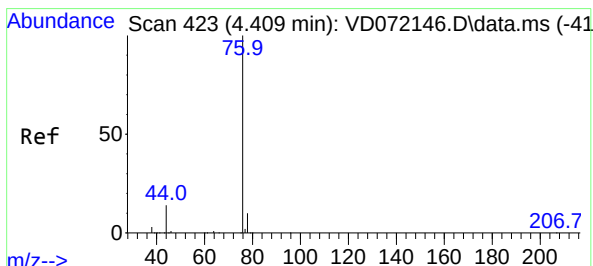
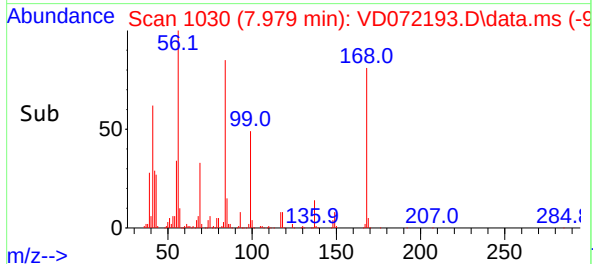
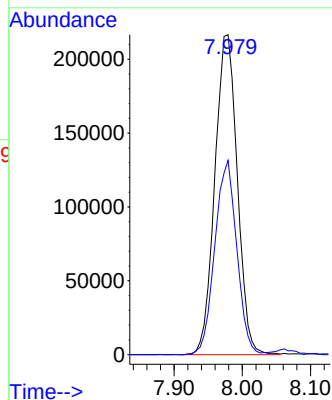
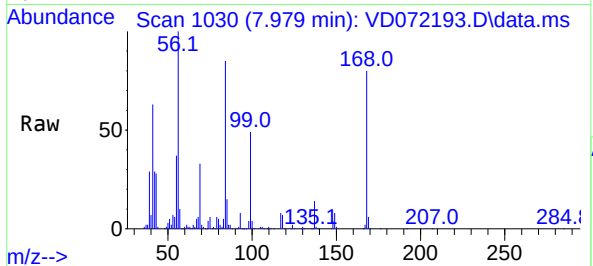
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)

Tgt Ion:168 Resp: 497619
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6

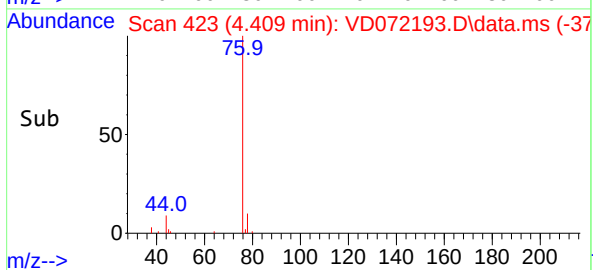
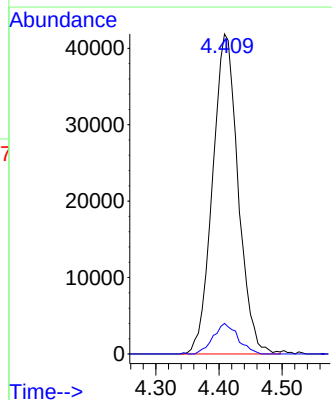
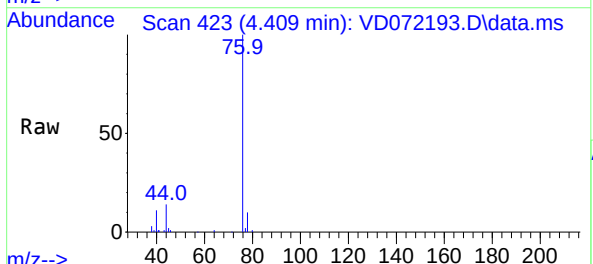
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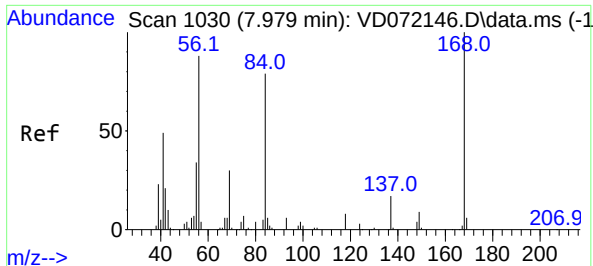
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022



#17
Carbon Disulfide
Concen: 12.231 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Tgt Ion: 76 Resp: 118001
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3





#31

Cyclohexane

Concen: 87.474 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD072193.D

Acq: 15 Mar 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-(3.5-4.0)

Tgt Ion: 56 Resp: 757904

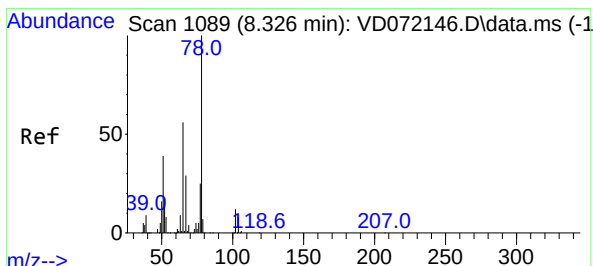
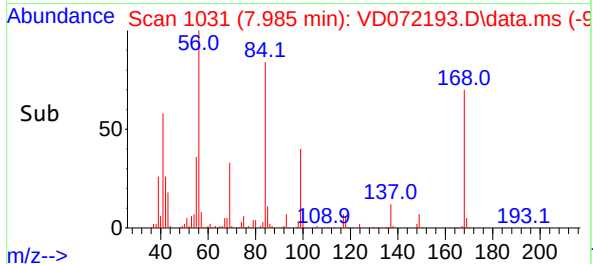
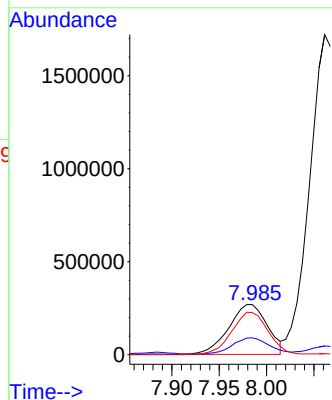
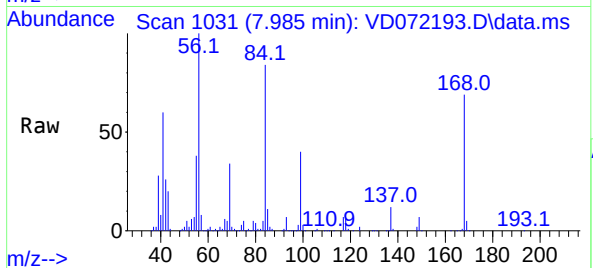
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.4	38.2
84	84.5	63.0	94.4

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#33

1,2-Dichloroethane-d4

Concen: 50.144 ug/l

RT: 8.326 min Scan# 1089

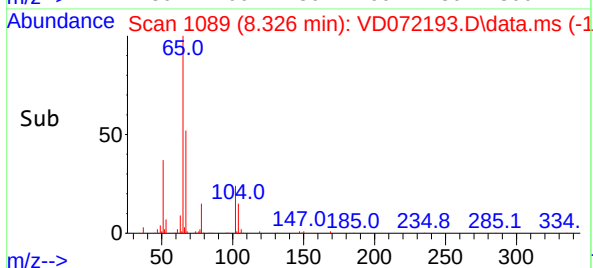
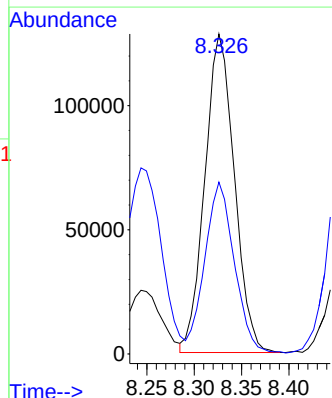
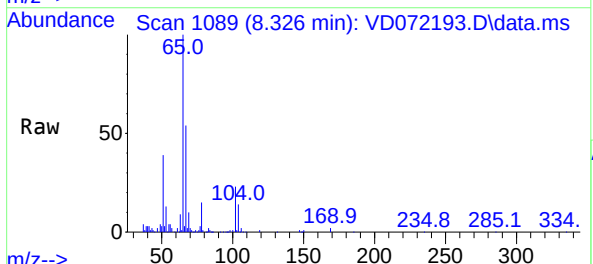
Delta R.T. -0.000 min

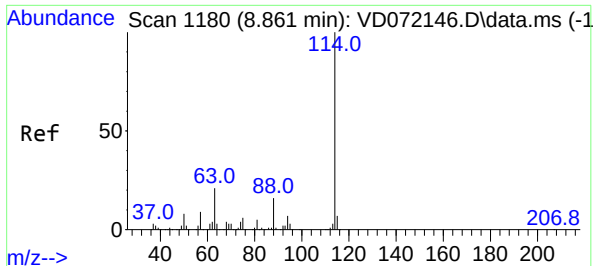
Lab File: VD072193.D

Acq: 15 Mar 2022 17:14

Tgt Ion: 65 Resp: 278082

Ion	Ratio	Lower	Upper
65	100		
67	53.3	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: VD072193.D

Acq: 15 Mar 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-(3.5-4.0)

Tgt Ion:114 Resp: 91232

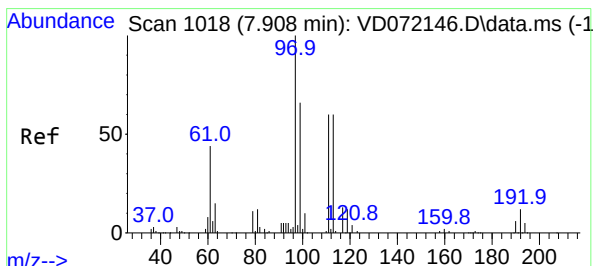
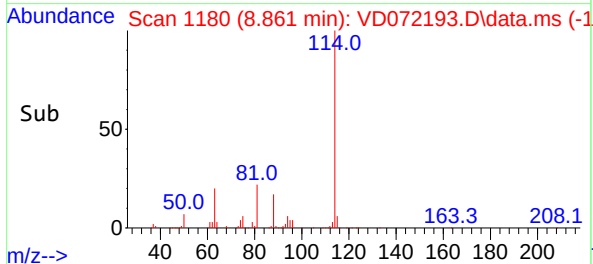
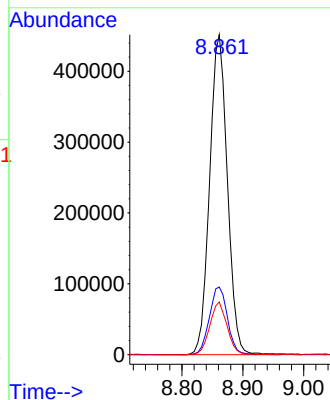
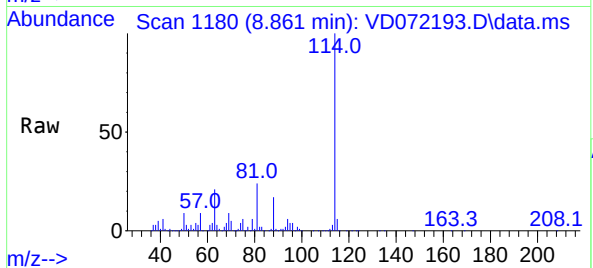
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	46.6
88	16.5	0.0	33.2

Manual Integrations

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Supervised By :Mahesh Dadoda 03/17/2022



#35

Dibromofluoromethane

Concen: 43.864 ug/l

RT: 7.914 min Scan# 1019

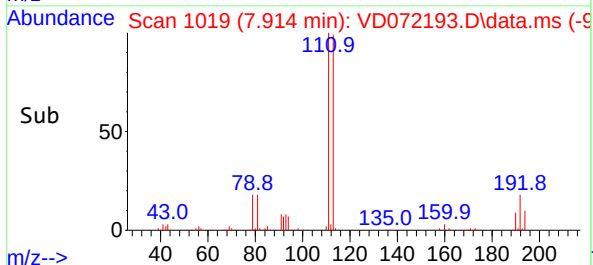
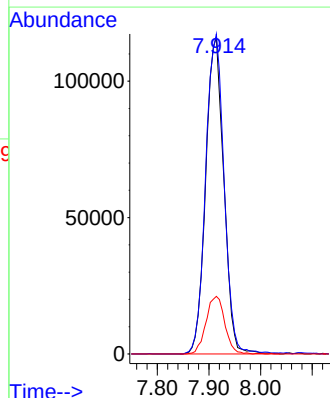
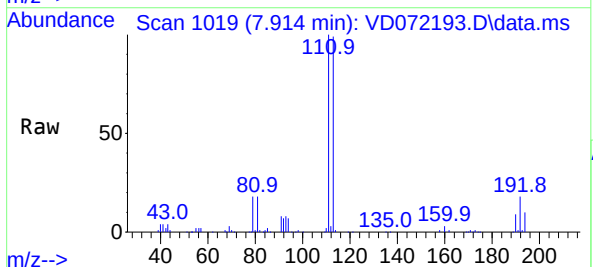
Delta R.T. 0.006 min

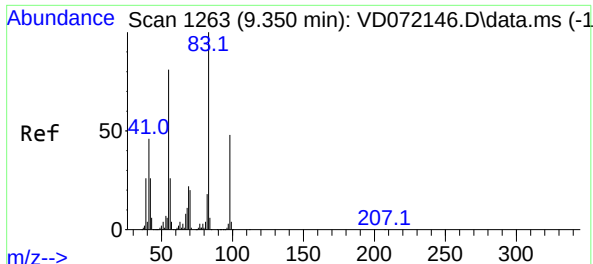
Lab File: VD072193.D

Acq: 15 Mar 2022 17:14

Tgt Ion:113 Resp: 281612

Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	18.9	14.6	21.8





#39

Methylcyclohexane

Concen: 1390.099 ug/l

RT: 9.355 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072193.D

Acq: 15 Mar 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4(3.5-4.0)

Tgt Ion: 83 Resp:1408866

Ion Ratio Lower Upper

83 100

55 83.4 63.2 94.8

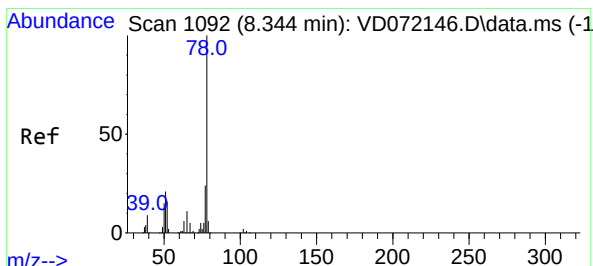
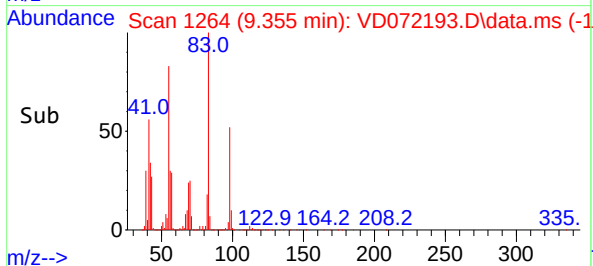
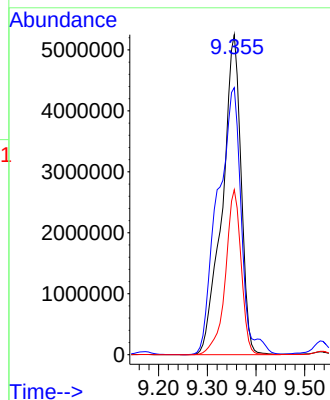
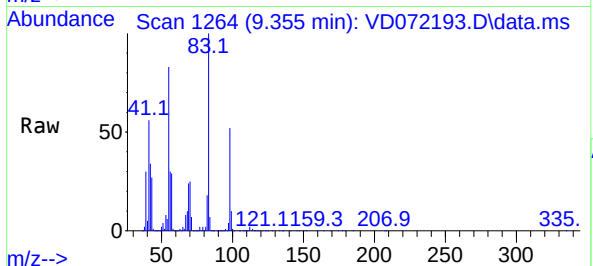
98 51.5 38.2 57.4

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Reviewed By :John Carlone 03/16/2022

Supervised By :Mahesh Dadoda 03/17/2022



#40

Benzene

Concen: 4.446 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VD072193.D

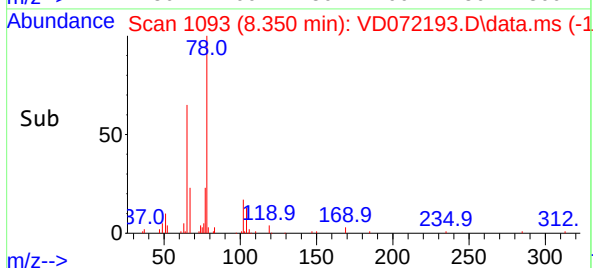
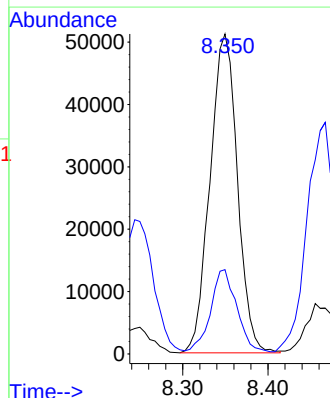
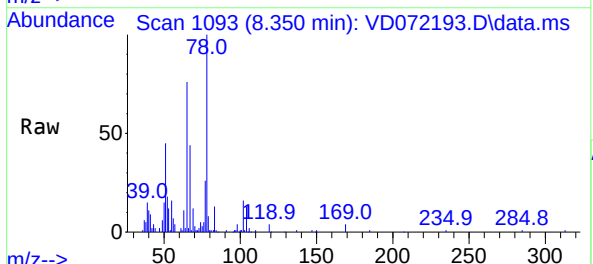
Acq: 15 Mar 2022 17:14

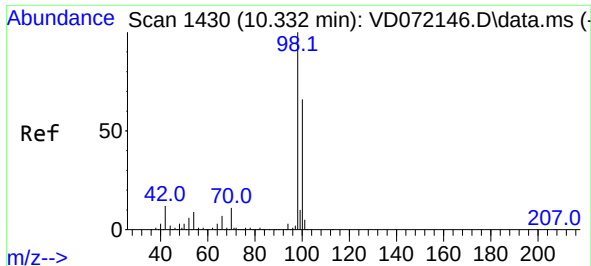
Tgt Ion: 78 Resp: 114244

Ion Ratio Lower Upper

78 100

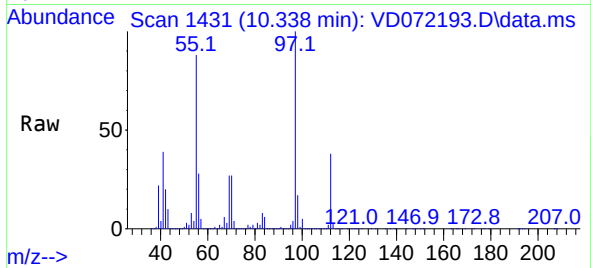
77 25.1 19.1 28.7





#50
Toluene-d8
Concen: 149.154 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

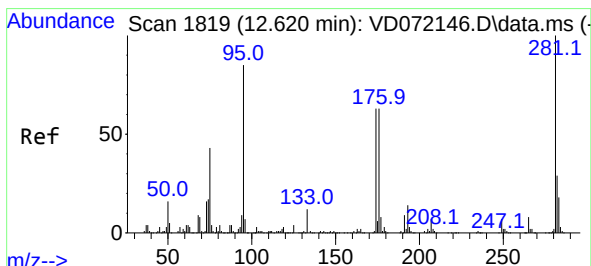
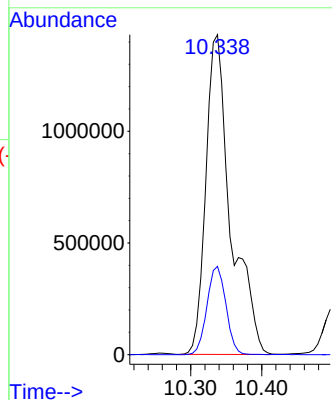
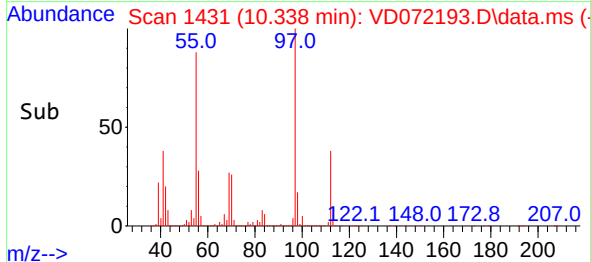
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)



Tgt Ion: 98 Resp: 350139
Ion Ratio Lower Upper
98 100
100 21.0 52.4 78.6

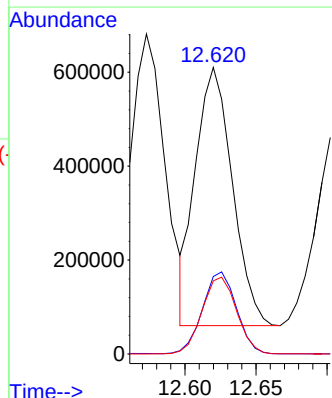
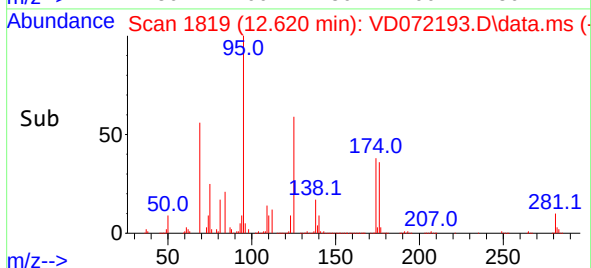
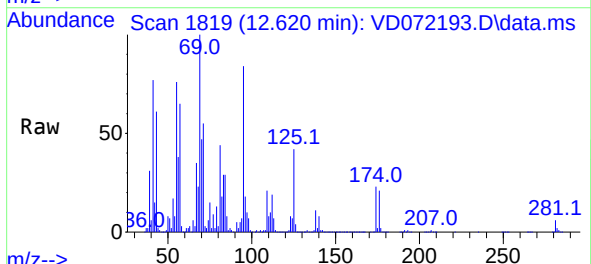
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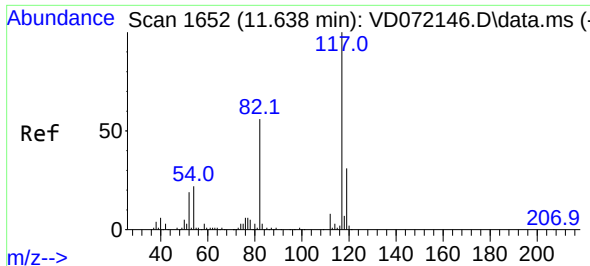
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022



#62
4-Bromofluorobenzene
Concen: 108.965 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Tgt Ion: 95 Resp: 993912
Ion Ratio Lower Upper
95 100
174 29.1 0.0 152.8
176 27.9 0.0 145.4





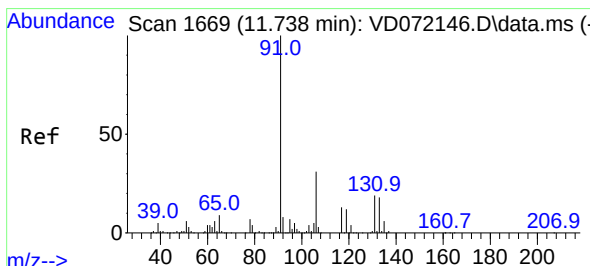
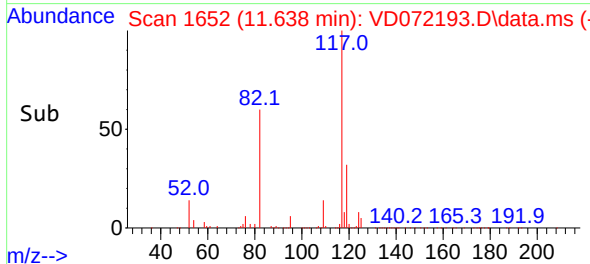
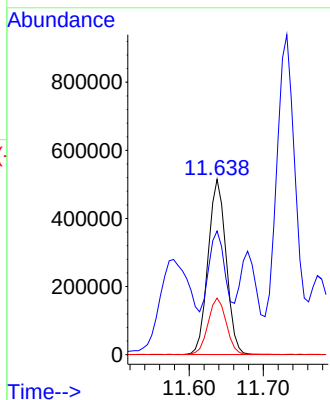
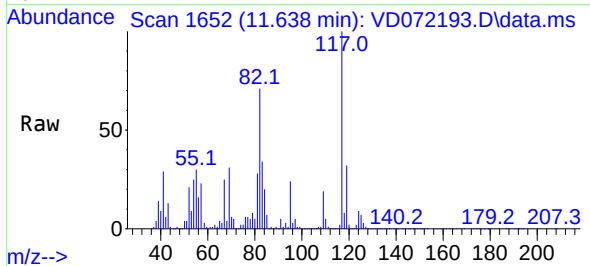
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)

Tgt Ion:117 Resp: 870249
Ion Ratio Lower Upper
117 100
82 19.5 45.3 67.9
119 32.2 26.6 40.0

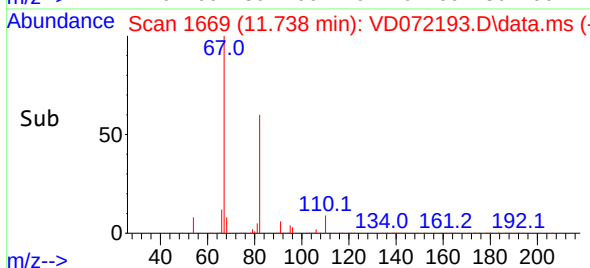
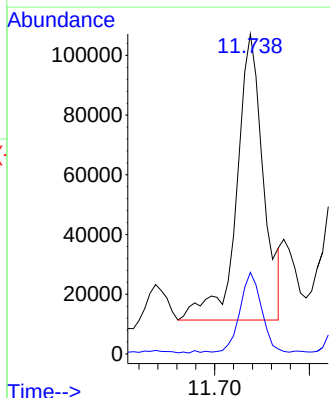
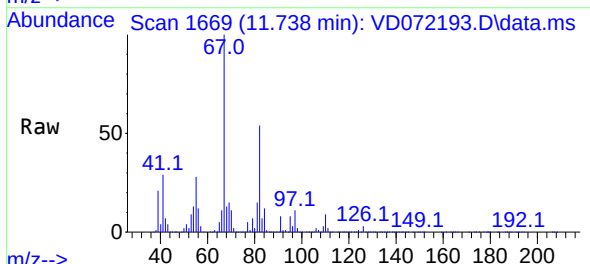
Manual Integrations
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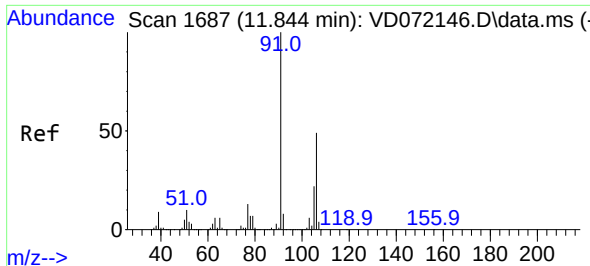
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022



#67
Ethyl Benzene
Concen: 5.452 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Tgt Ion: 91 Resp: 187878
Ion Ratio Lower Upper
91 100
106 28.1 24.2 36.4





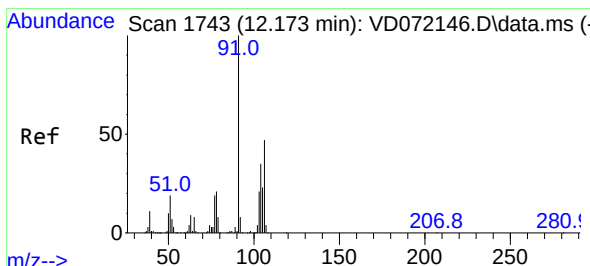
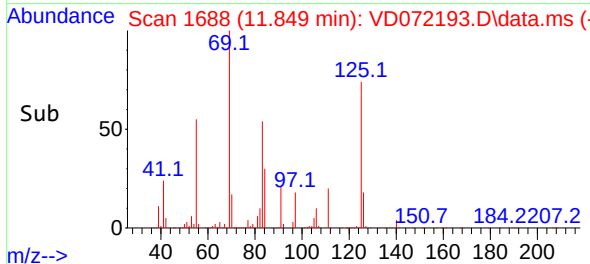
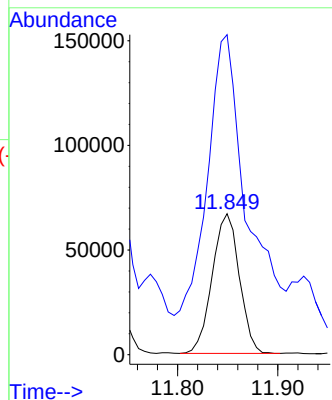
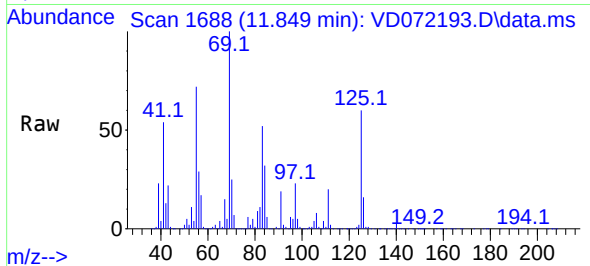
#68
m/p-Xylenes
Concen: 9.582 ug/l
RT: 11.849 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)

Tgt Ion:106 Resp: 125372
Ion Ratio Lower Upper
106 100
91 272.9 163.7 245.5

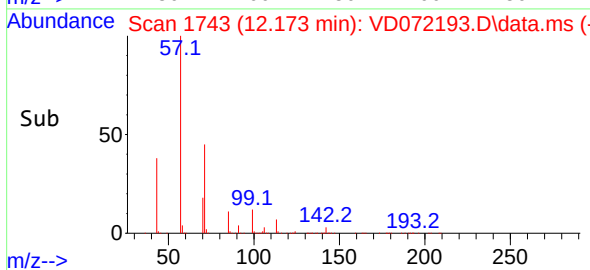
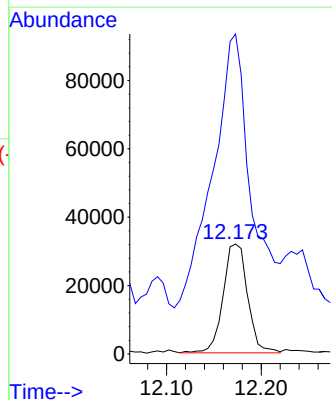
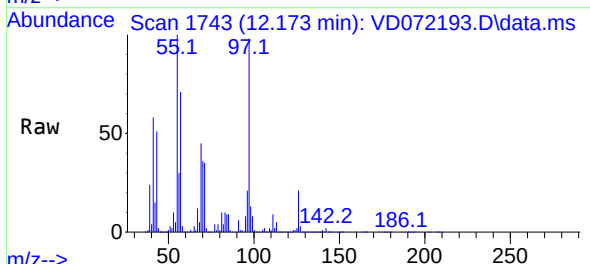
Manual Integrations
APPROVED

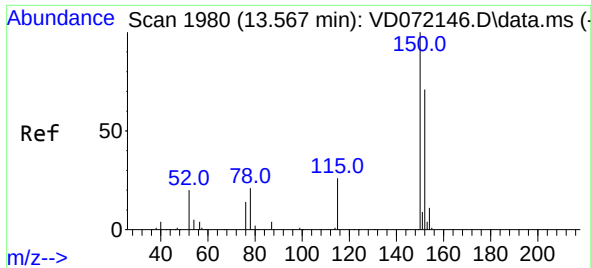
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022



#69
o-Xylene
Concen: 4.572 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

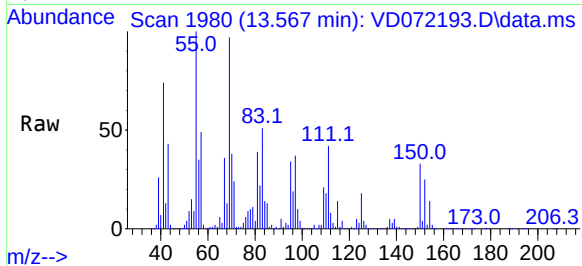
Tgt Ion:106 Resp: 57216
Ion Ratio Lower Upper
106 100
91 389.5 110.4 331.2#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

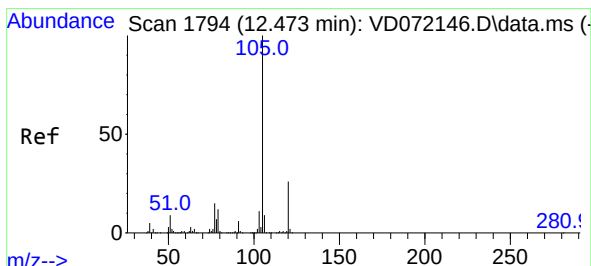
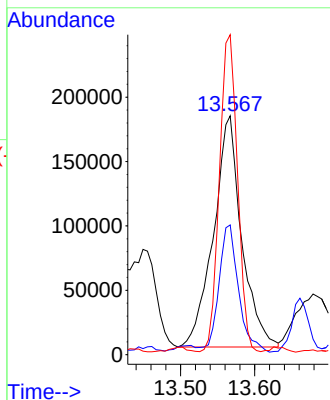
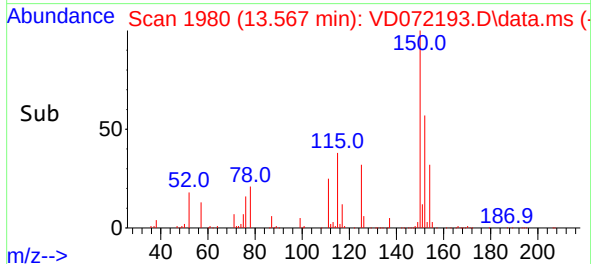
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)



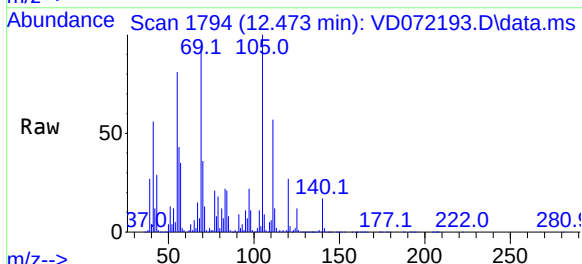
Tgt Ion:152 Resp: 474435
Ion Ratio Lower Upper
152 100
115 38.2 31.3 93.8
150 87.8 0.0 348.6

Manual Integrations
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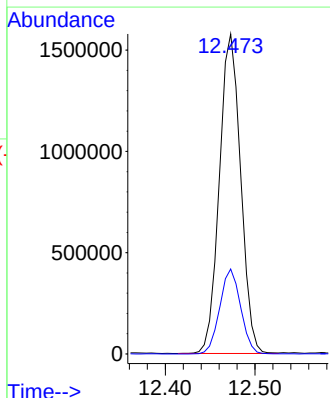
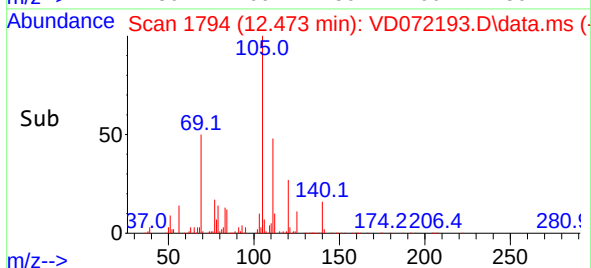
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022

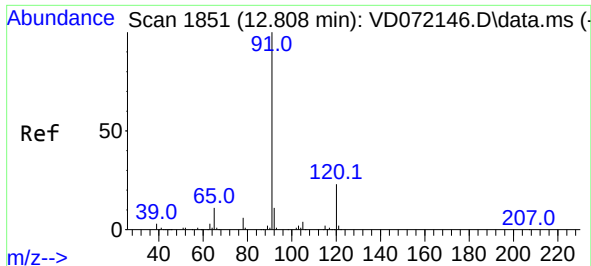


#73
Isopropylbenzene
Concen: 69.128 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14



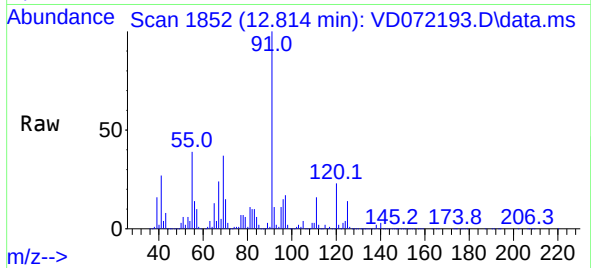
Tgt Ion:105 Resp: 2598988
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9





#78
n-propylbenzene
Concen: 75.435 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

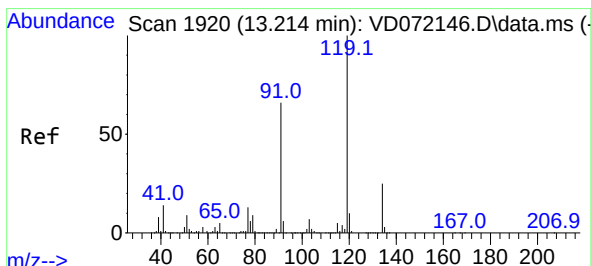
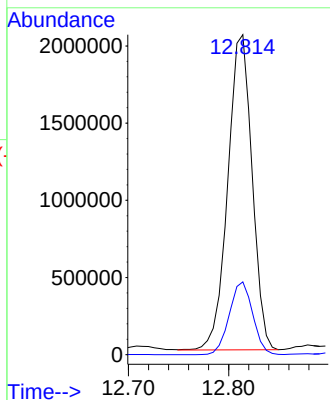
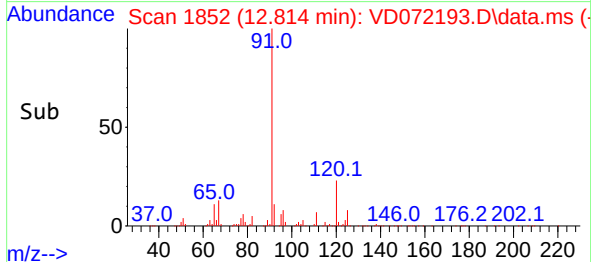
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)



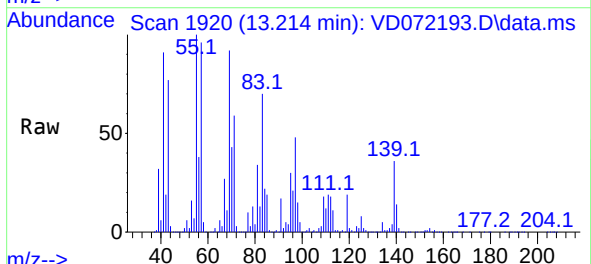
Tgt Ion: 91 Resp: 344487
Ion Ratio Lower Upper
91 100
120 22.2 10.9 32.9

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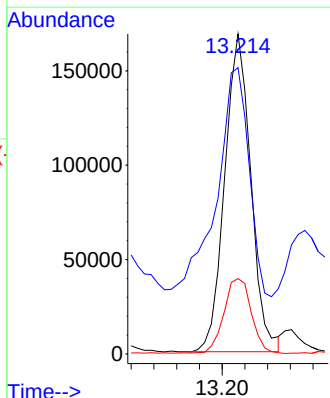
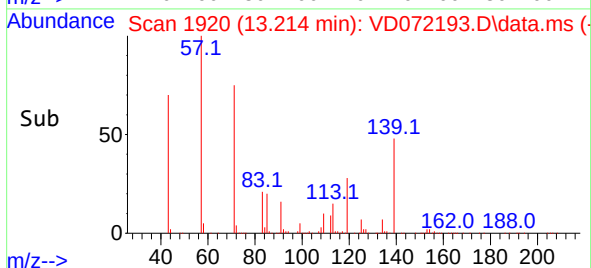
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022

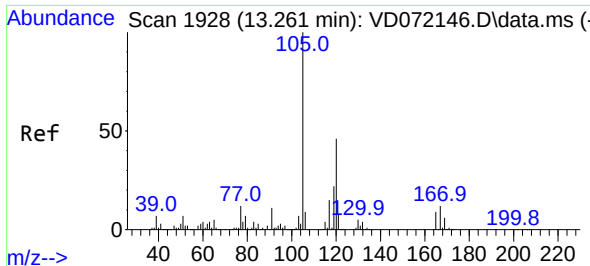


#83
tert-Butylbenzene
Concen: 9.501 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14



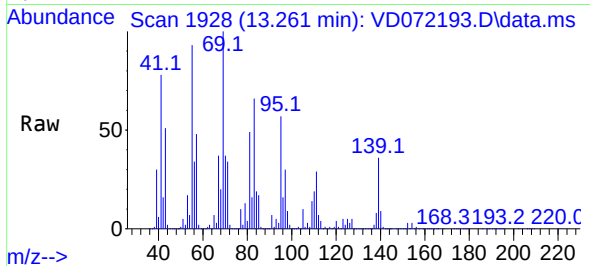
Tgt Ion:119 Resp: 269045
Ion Ratio Lower Upper
119 100
91 89.4 34.8 104.5
134 24.7 13.3 39.9





#84
1,2,4-Trimethylbenzene
Concen: 3.971 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

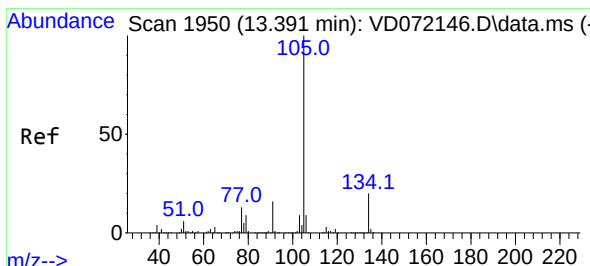
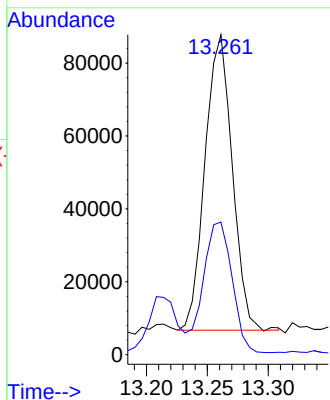
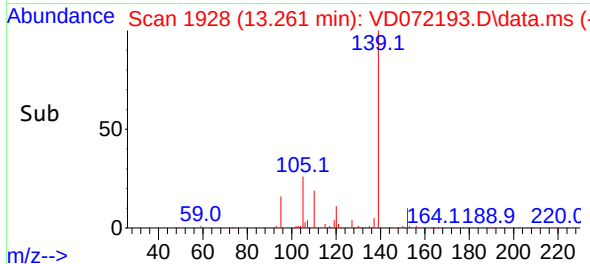
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)



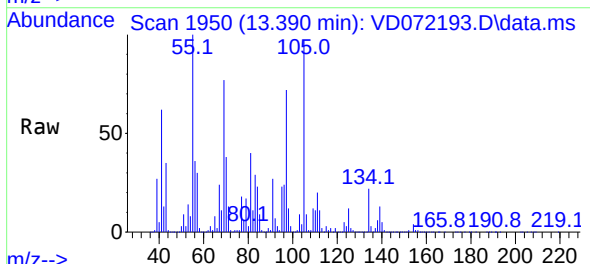
Tgt Ion:105 Resp: 126369
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.8

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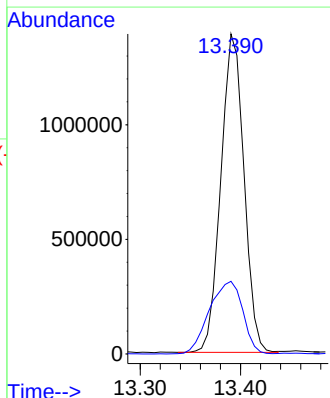
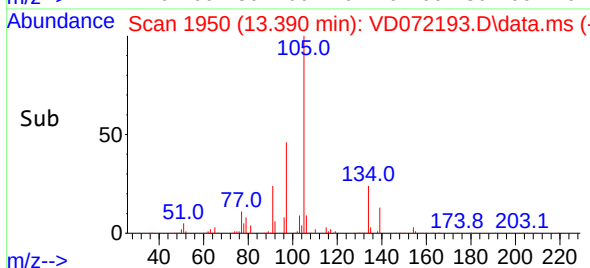
Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022

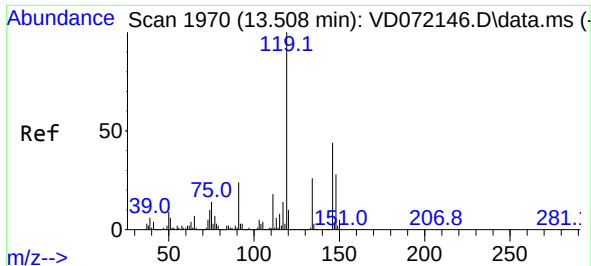


#85
sec-Butylbenzene
Concen: 52.269 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14



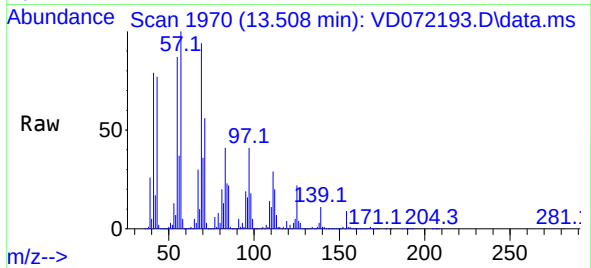
Tgt Ion:105 Resp: 2222717
Ion Ratio Lower Upper
105 100
134 33.0 9.8 29.3#





#86
p-Isopropyltoluene
Concen: 1.997 ug/l m
RT: 13.508 min Scan# 1970
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14

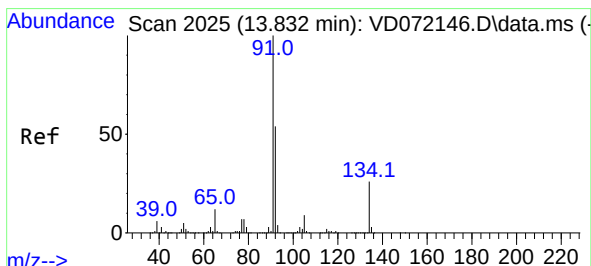
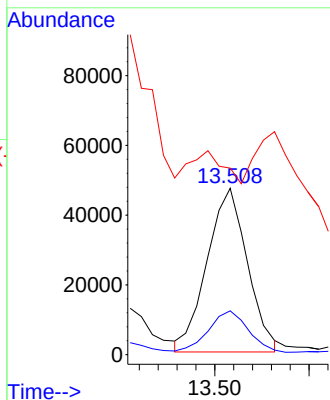
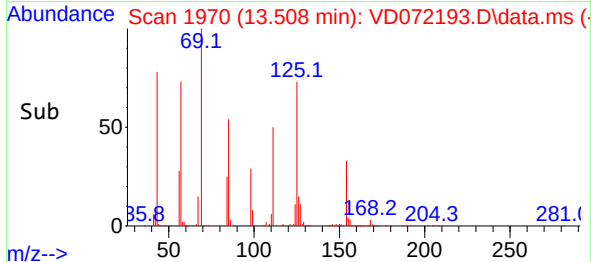
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-(3.5-4.0)



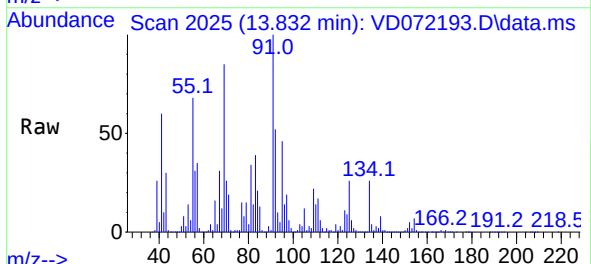
Tgt Ion:119 Resp: 69890
Ion Ratio Lower Upper
119 100
134 303.3 12.9 38.6
91 361.1 12.1 36.3

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Reviewed By :John Carlone 03/16/2022
Supervised By :Mahesh Dadoda 03/17/2022



#89
n-Butylbenzene
Concen: 49.211 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072193.D
Acq: 15 Mar 2022 17:14



Tgt Ion: 91 Resp: 1641372
Ion Ratio Lower Upper
91 100
92 46.6 26.6 79.8
134 0.0 12.3 36.9

