

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070844.D
 Acq On : 26 Oct 2021 17:03
 Operator : VA/SY
 Sample : M4341-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 06:22:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	20421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	34742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	43328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	41588m	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	17194	83.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 167.440%#			
35) Dibromofluoromethane	7.908	113	12070	52.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.380%			
50) Toluene-d8	10.338	98	56421	65.469	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 130.940%			
62) 4-Bromofluorobenzene	12.620	95	51082	179.646	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 359.300%#			
Target Compounds						
						Qvalue
16) Acetone	4.156	43	6576	137.622	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	21679	82.849	ug/l	91
39) Methylcyclohexane	9.355	83	19208	45.922	ug/l	92
44) Trichloroethene	9.103	130	1303	4.772	ug/l	78
52) Toluene	10.397	92	15023	23.654	ug/l	95
67) Ethyl Benzene	11.738	91	42476	27.440	ug/l	95
68) m/p-Xylenes	11.844	106	130470	216.464	ug/l	98
69) o-Xylene	12.173	106	87152	159.649	ug/l	94
73) Isopropylbenzene	12.467	105	41399	14.924	ug/l	94
78) n-propylbenzene	12.808	91	89132	25.034	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	245969	104.479	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	578284	249.134	ug/l	100
85) sec-Butylbenzene	13.391	105	98148	31.699	ug/l	87
86) p-Isopropyltoluene	13.508	119	86348	34.664	ug/l	99
89) n-Butylbenzene	13.832	91	70541	28.902	ug/l #	73

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

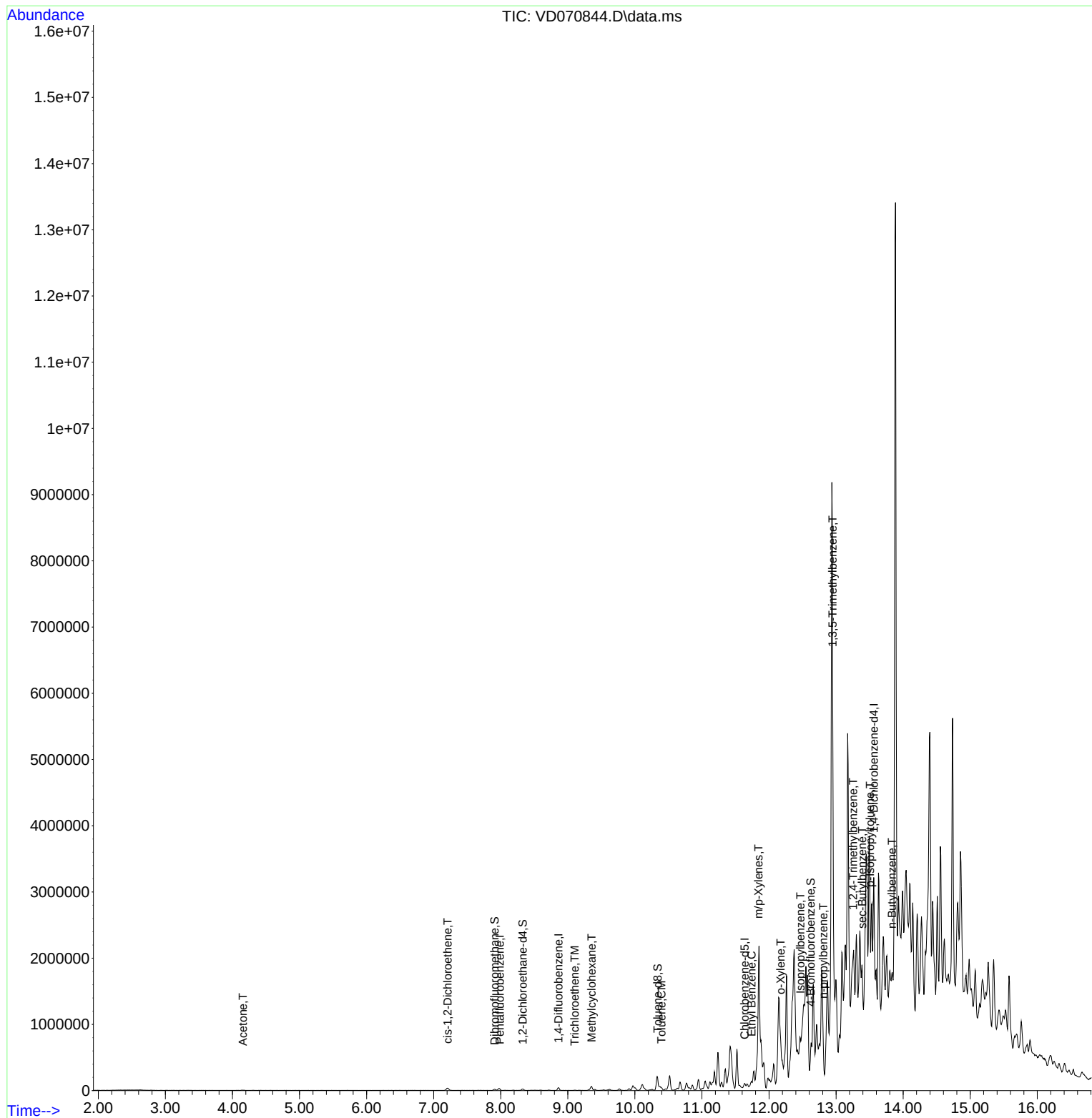
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
Data File : VD070844.D
Acq On : 26 Oct 2021 17:03
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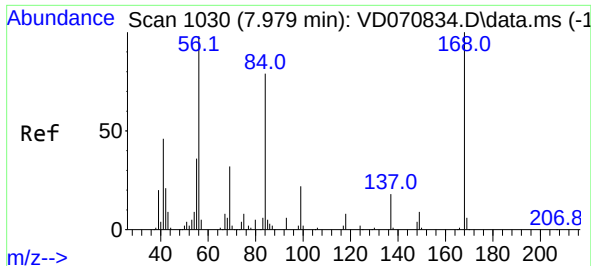
Instrument :
MSVOA_D
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WASTE

Quant Time: Oct 27 06:22:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
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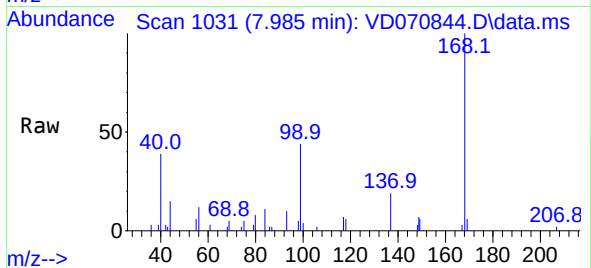
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

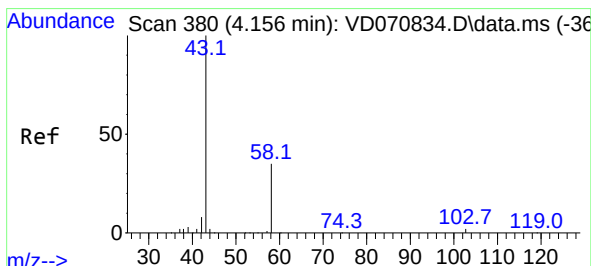
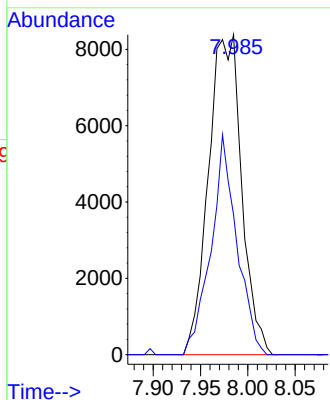
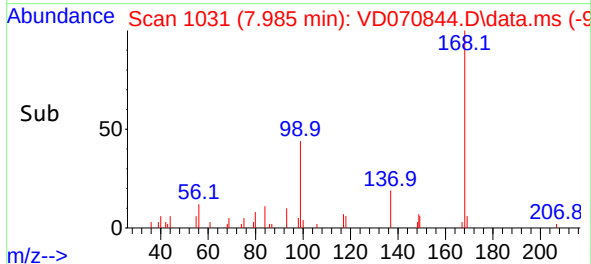
Instrument :
MSVOA_D
ClientSampleId :
WASTE



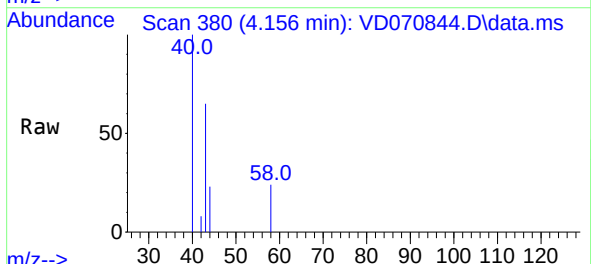
Tgt Ion:168 Resp: 2042
Ion Ratio Lower Upper
168 100
99 43.7 46.6 69.8

Manual Integrations
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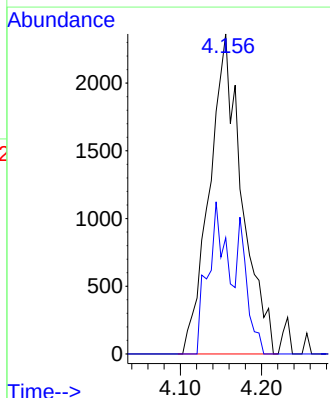
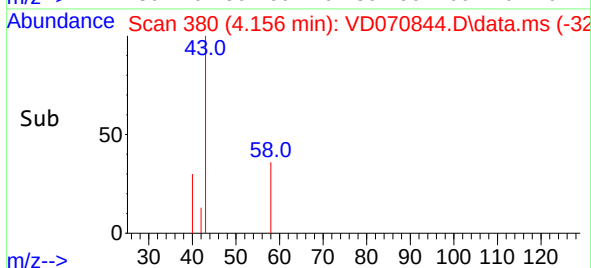
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021

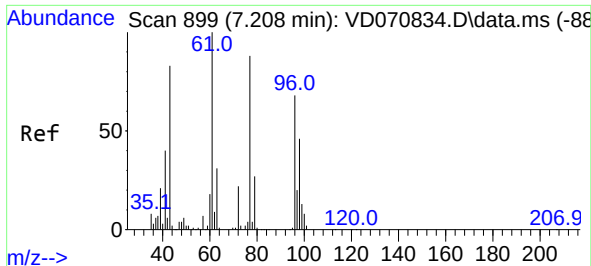


#16
Acetone
Concen: 137.622 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03



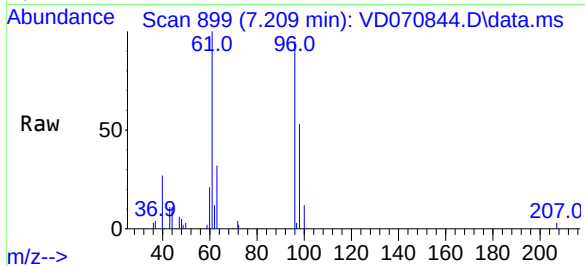
Tgt Ion: 43 Resp: 6576
Ion Ratio Lower Upper
43 100
58 36.3 27.8 41.8





#27
cis-1,2-Dichloroethene
Concen: 82.849 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

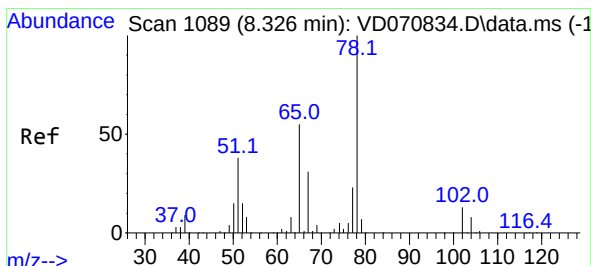
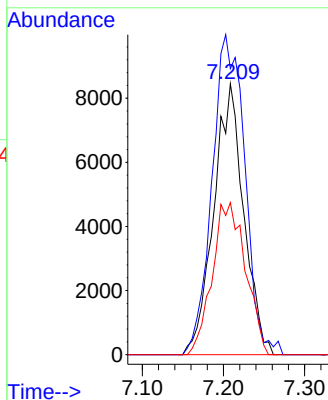
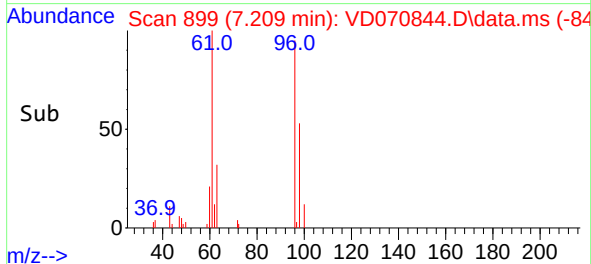
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MSVOA_D
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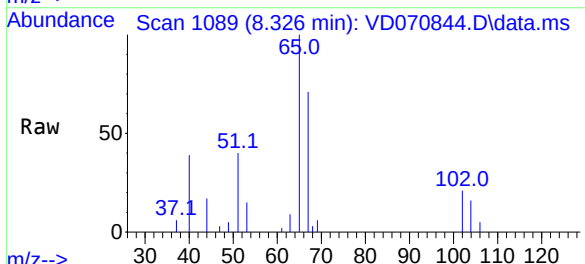
Tgt Ion: 96 Resp: 21679
Ion Ratio Lower Upper
96 100
61 128.9 0.0 288.6
98 62.4 0.0 129.2

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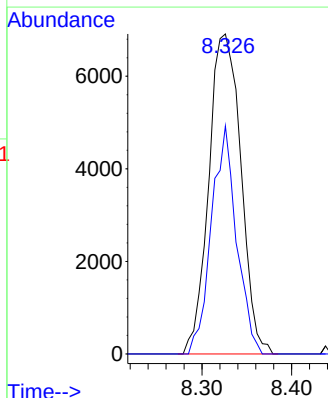
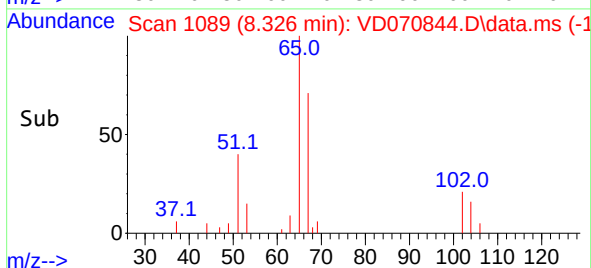
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021

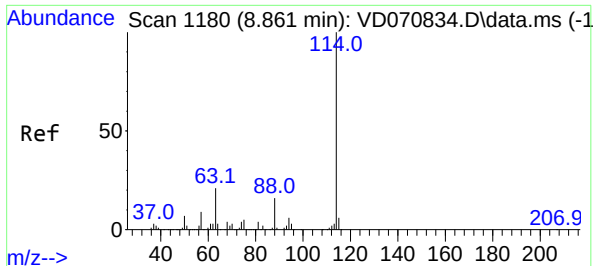


#33
1,2-Dichloroethane-d4
Concen: 83.716 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03



Tgt Ion: 65 Resp: 17194
Ion Ratio Lower Upper
65 100
67 55.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070844.D

Acq: 26 Oct 2021 17:03

Instrument :

MSVOA_D

ClientSampleId :

WASTE

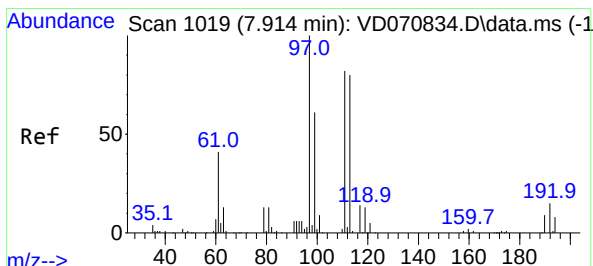
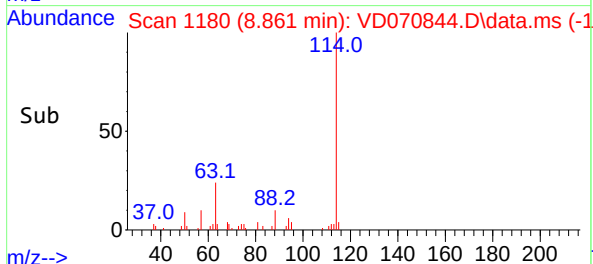
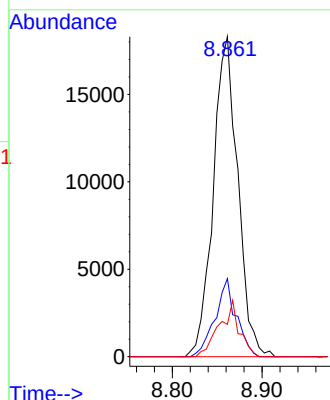
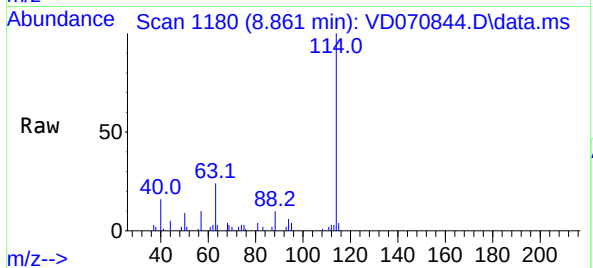
Tgt Ion:114 Resp: 3474

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	41.8
88	10.1	0.0	32.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 52.691 ug/l

RT: 7.908 min Scan# 1018

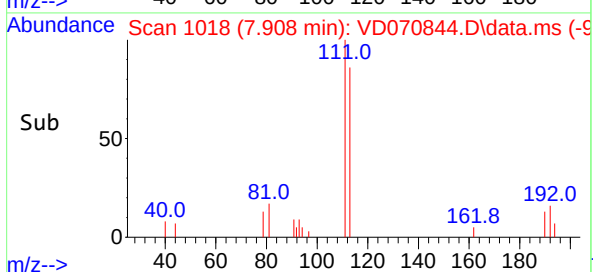
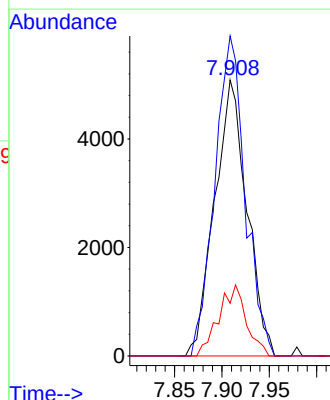
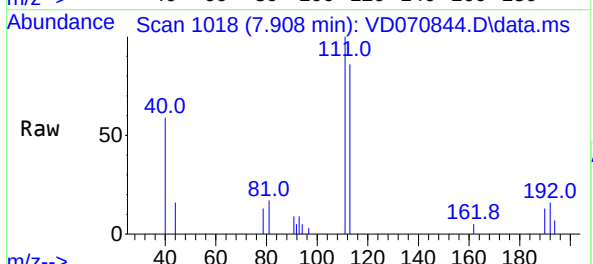
Delta R.T. -0.006 min

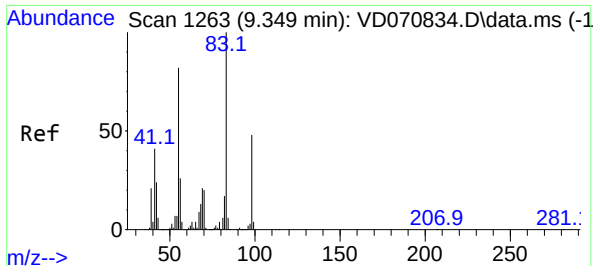
Lab File: VD070844.D

Acq: 26 Oct 2021 17:03

Tgt Ion:113 Resp: 12070

Ion	Ratio	Lower	Upper
113	100		
111	108.8	82.0	123.0
192	21.9	15.2	22.8





#39

Methylcyclohexane

Concen: 45.922 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VD070844.D

Acq: 26 Oct 2021 17:03

Instrument :

MSVOA_D

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WASTE

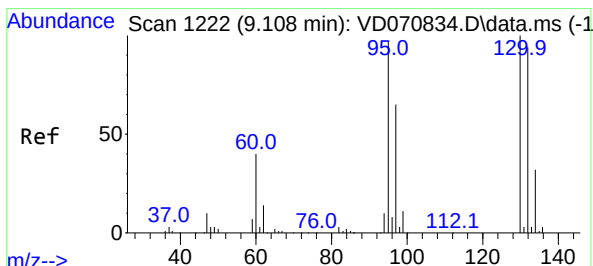
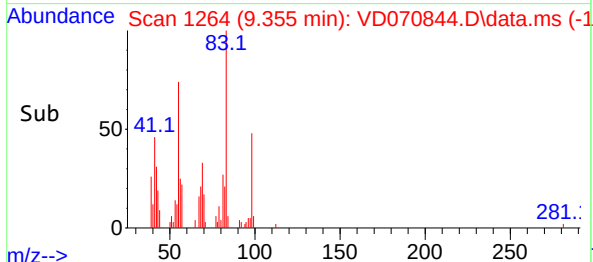
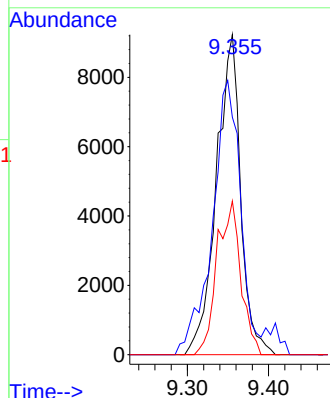
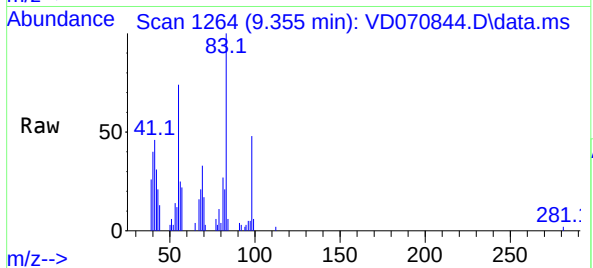
Tgt Ion: 83 Resp: 19208

Ion	Ratio	Lower	Upper
83	100		
55	70.8	65.8	98.8
98	48.0	38.7	58.1

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#44

Trichloroethene

Concen: 4.772 ug/l

RT: 9.103 min Scan# 1221

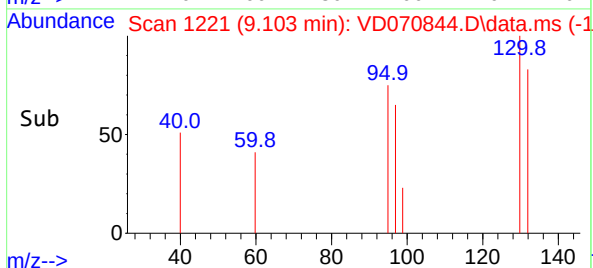
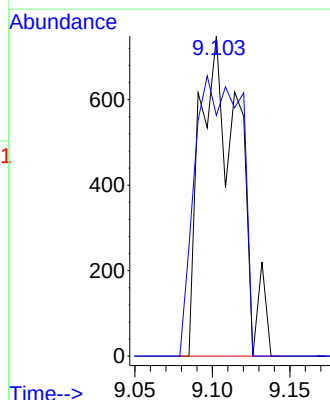
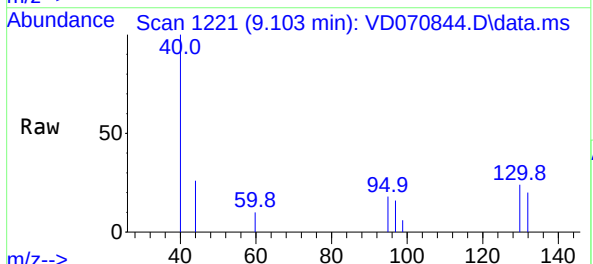
Delta R.T. -0.006 min

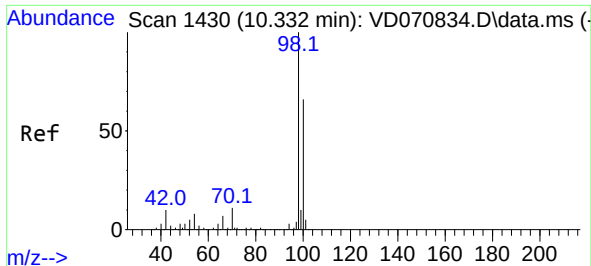
Lab File: VD070844.D

Acq: 26 Oct 2021 17:03

Tgt Ion:130 Resp: 1303

Ion	Ratio	Lower	Upper
130	100		
95	75.2	0.0	193.2





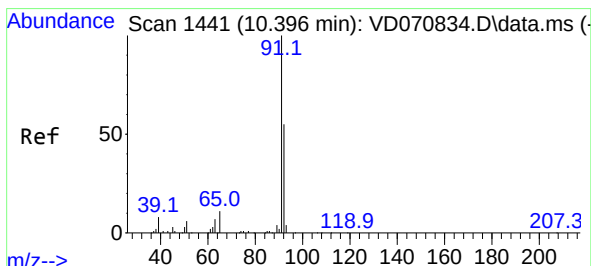
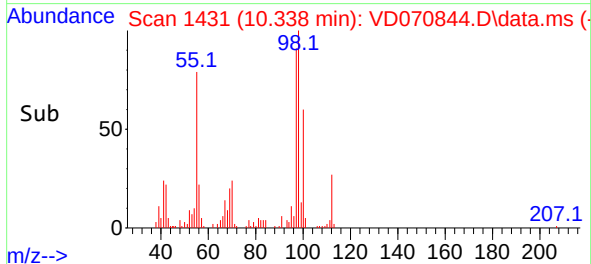
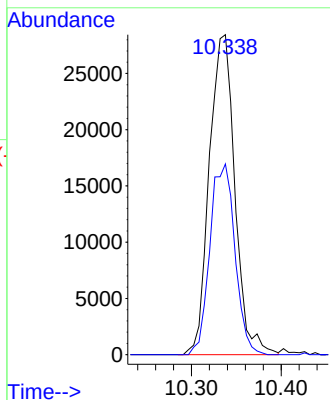
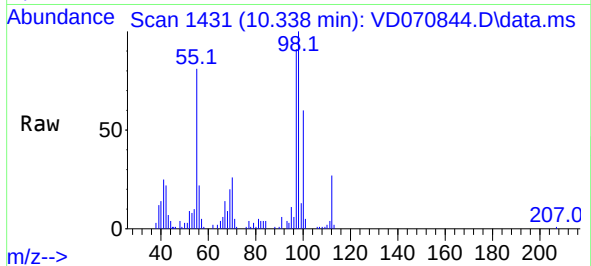
#50
Toluene-d8
Concen: 65.469 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 98 Resp: 5642
Ion Ratio Lower Upper
98 100
100 58.3 51.8 77.6

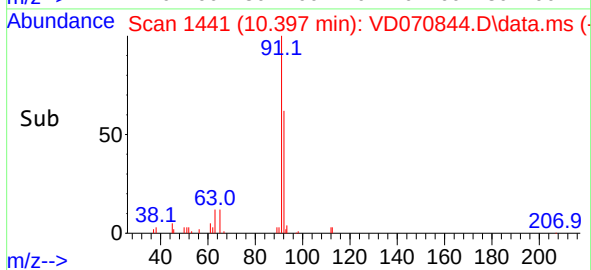
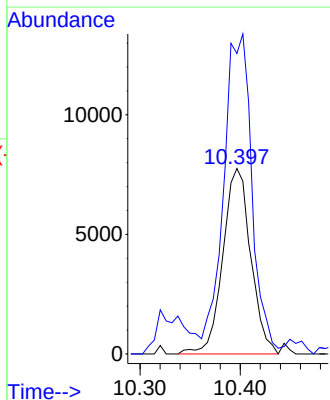
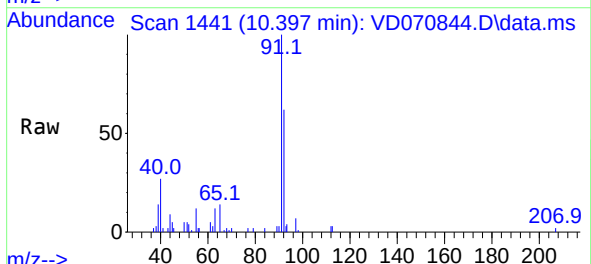
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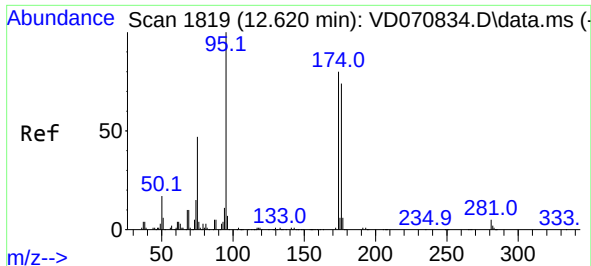
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#52
Toluene
Concen: 23.654 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

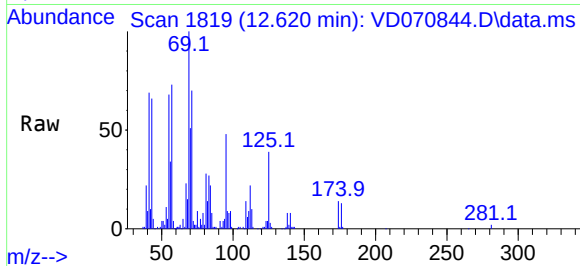
Tgt Ion: 92 Resp: 15023
Ion Ratio Lower Upper
92 100
91 168.8 140.7 211.1





#62
4-Bromofluorobenzene
Concen: 179.646 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

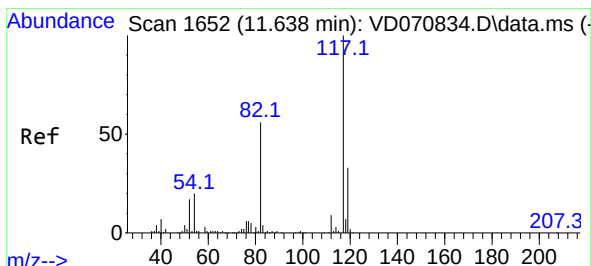
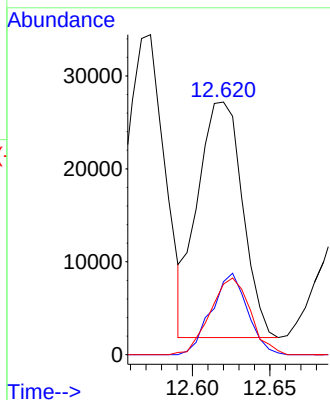
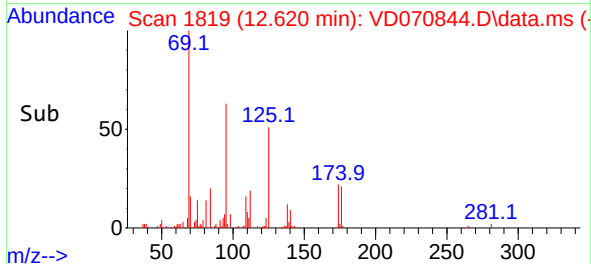
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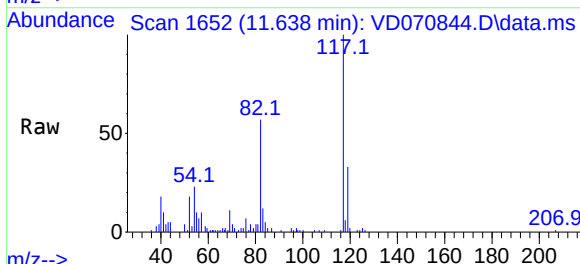
Tgt Ion: 95 Resp: 51082
Ion Ratio Lower Upper
95 100
174 27.7 0.0 159.4
176 29.1 0.0 154.0

Manual Integrations
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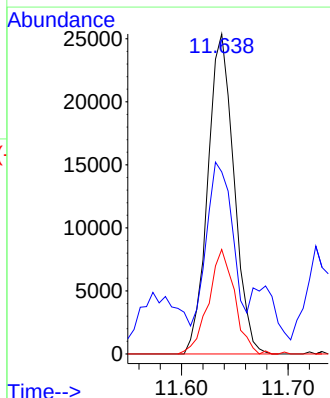
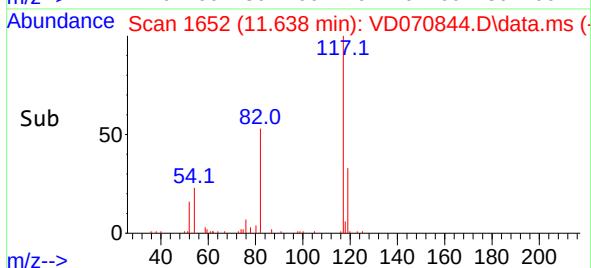
Reviewed By :Vimala Arumugam 10/27/2021
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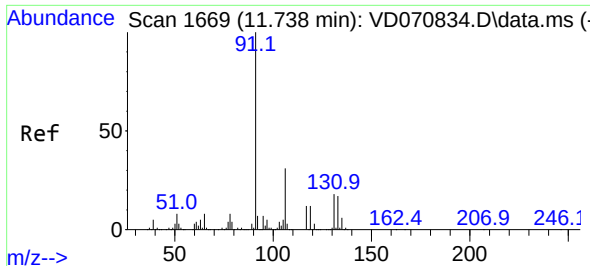


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03



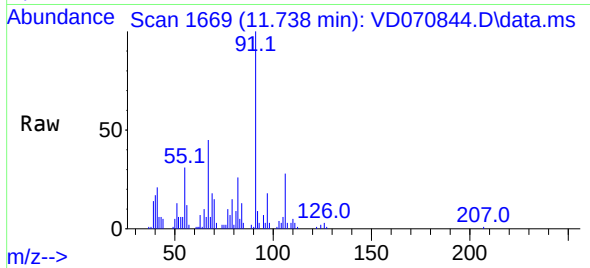
Tgt Ion:117 Resp: 43328
Ion Ratio Lower Upper
117 100
82 47.3 44.7 67.1
119 32.7 26.2 39.4





#67
Ethyl Benzene
Concen: 27.440 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

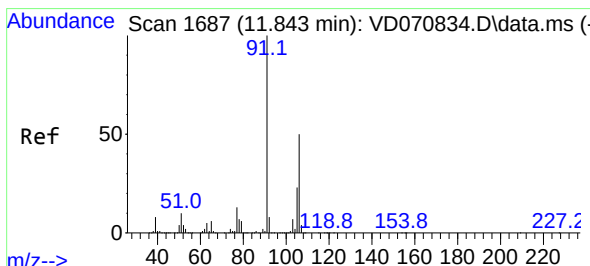
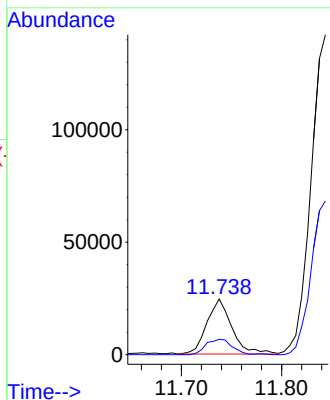
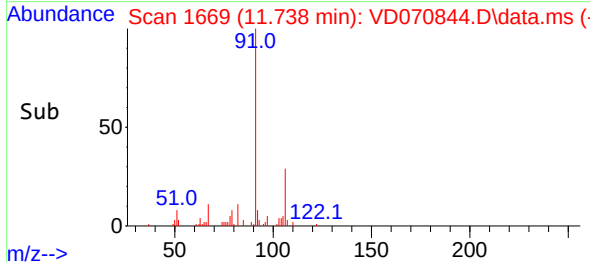
Instrument :
MSVOA_D
ClientSampleId :
WASTE



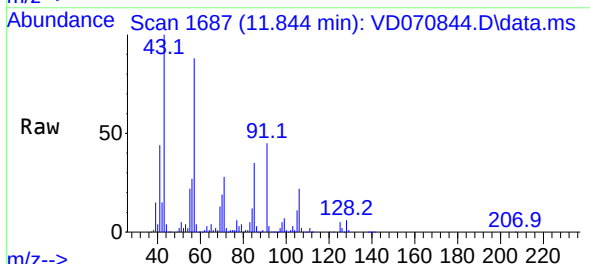
Tgt Ion: 91 Resp: 42470
Ion Ratio Lower Upper
91 100
106 28.0 24.6 36.8

Manual Integrations
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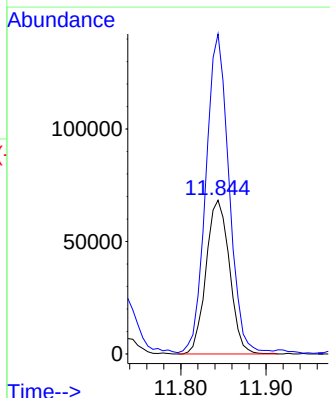
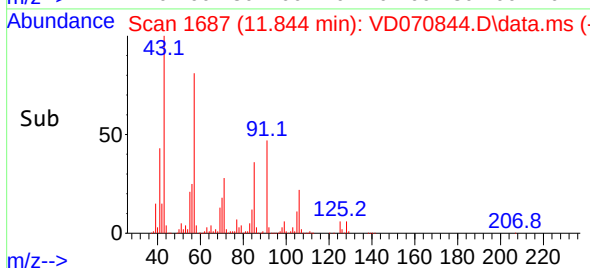
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021

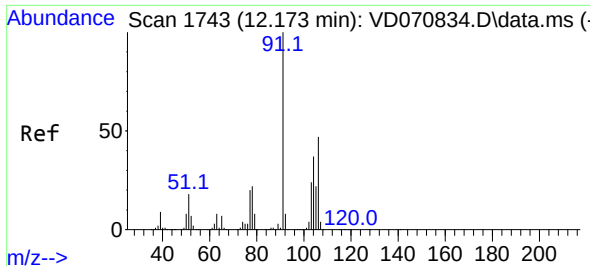


#68
m/p-Xylenes
Concen: 216.464 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03



Tgt Ion:106 Resp: 130470
Ion Ratio Lower Upper
106 100
91 203.7 160.1 240.1





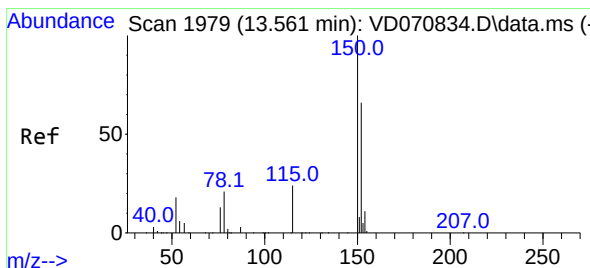
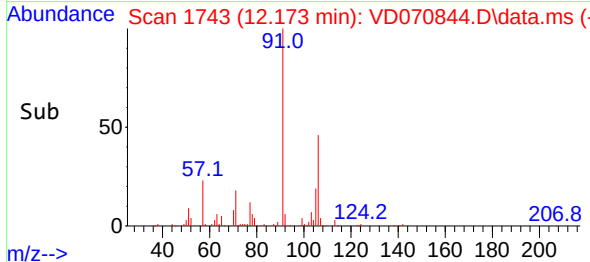
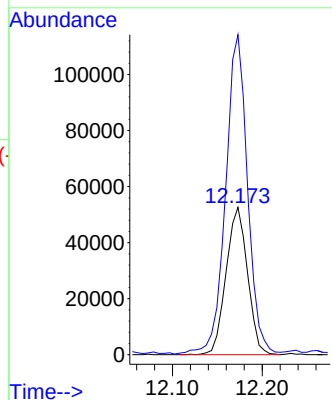
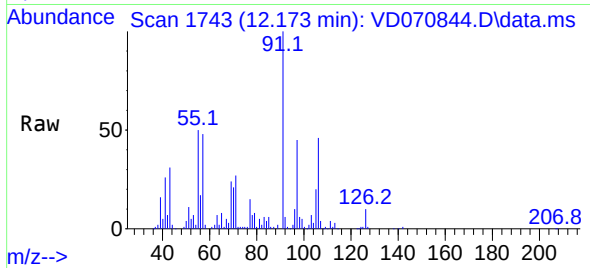
#69
o-Xylene
Concen: 159.649 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tgt Ion:106 Resp: 87152
Ion Ratio Lower Upper
106 100
91 221.5 106.3 319.0

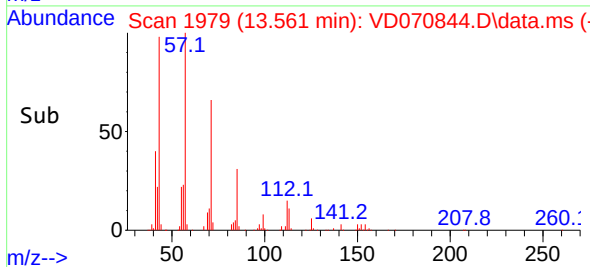
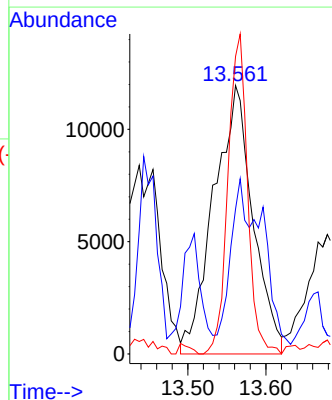
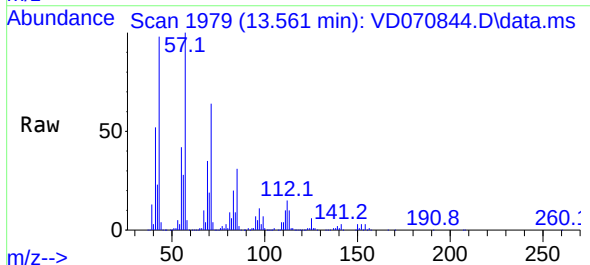
Manual Integrations
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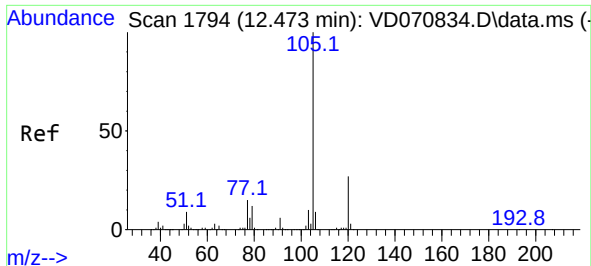
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

Tgt Ion:152 Resp: 41588
Ion Ratio Lower Upper
152 100
115 32.1 29.8 89.3
150 3.0 0.0 349.2





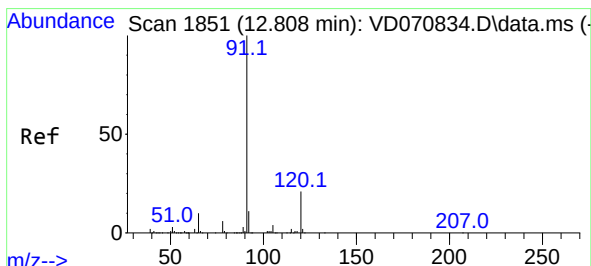
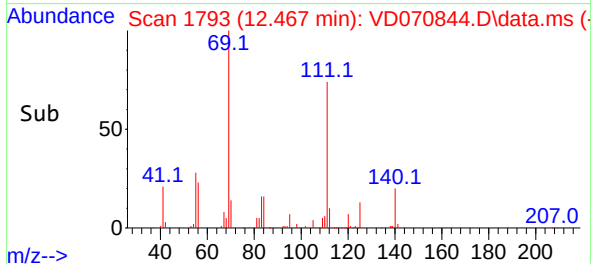
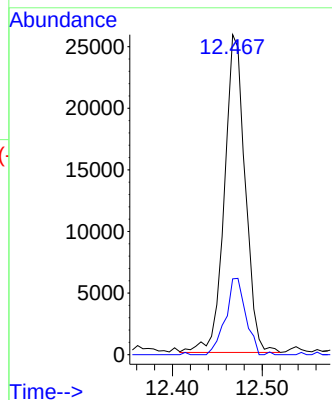
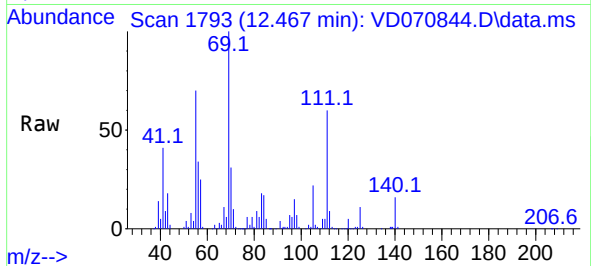
#73
Isopropylbenzene
Concen: 14.924 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tgt Ion:105 Resp: 41399
Ion Ratio Lower Upper
105 100
120 23.2 13.2 39.5

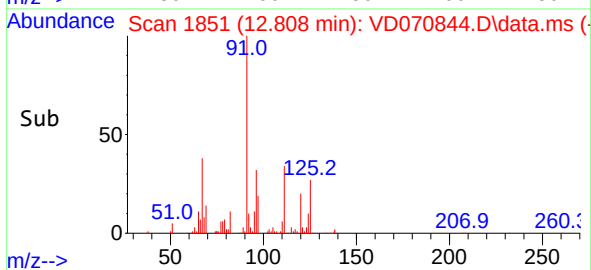
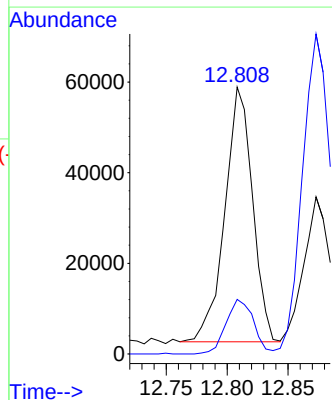
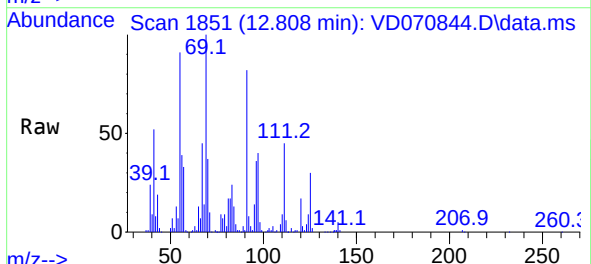
Manual Integrations
APPROVED

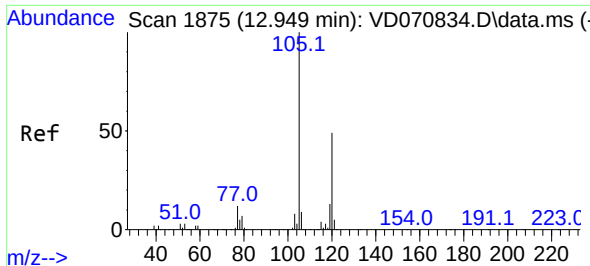
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#78
n-propylbenzene
Concen: 25.034 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

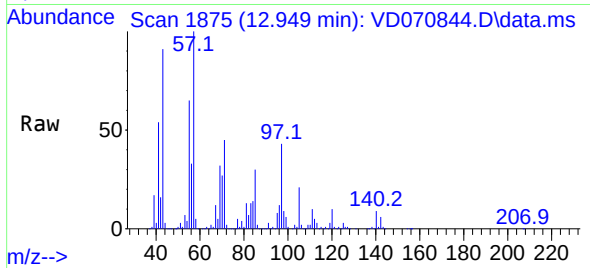
Tgt Ion: 91 Resp: 89132
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 104.479 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03

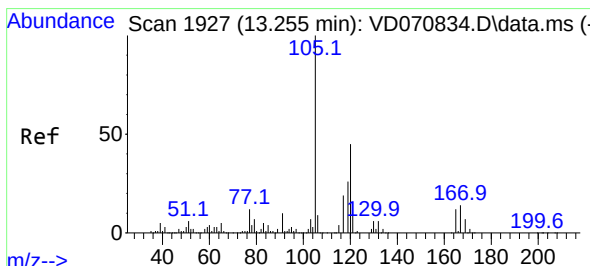
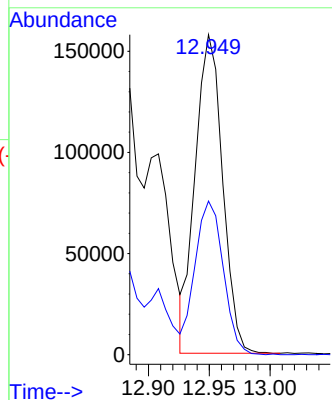
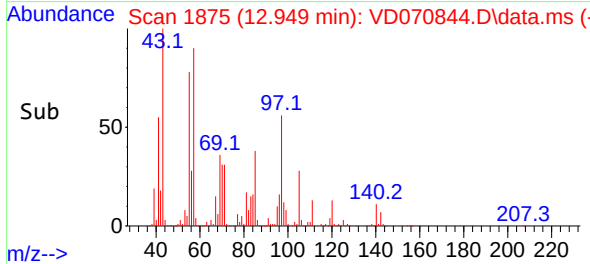
Instrument :
MSVOA_D
ClientSampleId :
WASTE



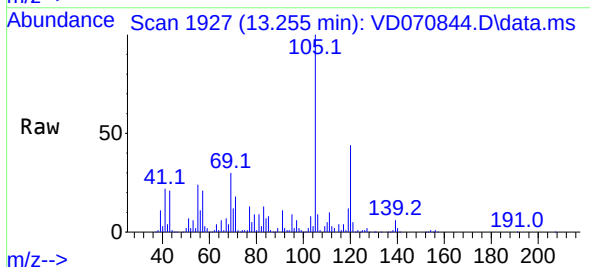
Tgt Ion:105 Resp: 245969
Ion Ratio Lower Upper
105 100
120 50.0 24.6 73.8

Manual Integrations
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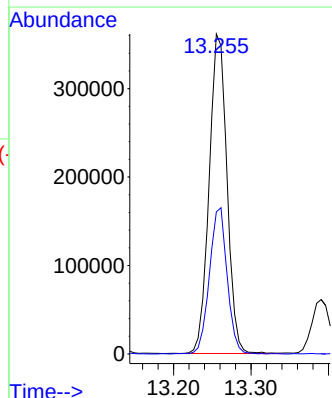
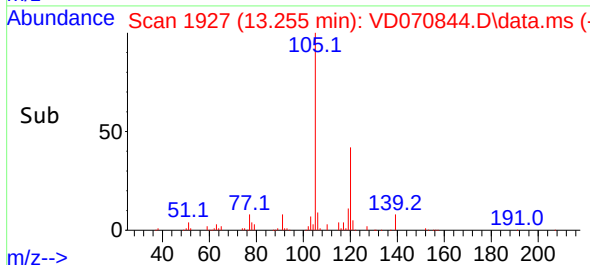
Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021

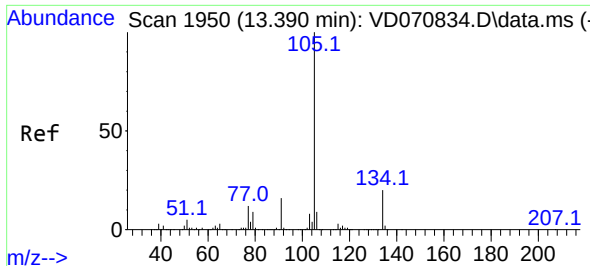


#84
1,2,4-Trimethylbenzene
Concen: 249.134 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070844.D
Acq: 26 Oct 2021 17:03



Tgt Ion:105 Resp: 578284
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.7





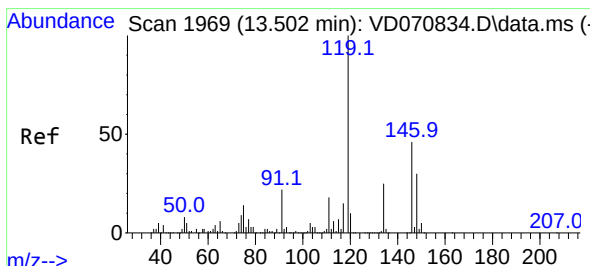
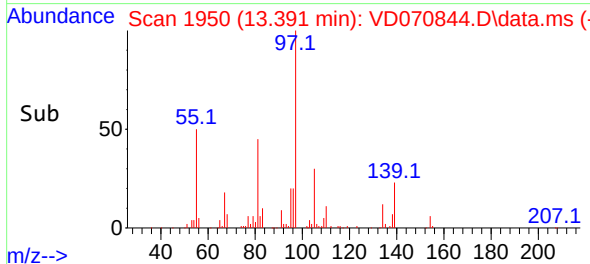
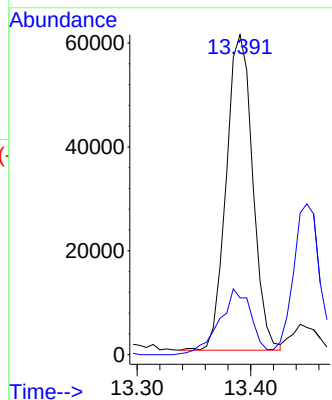
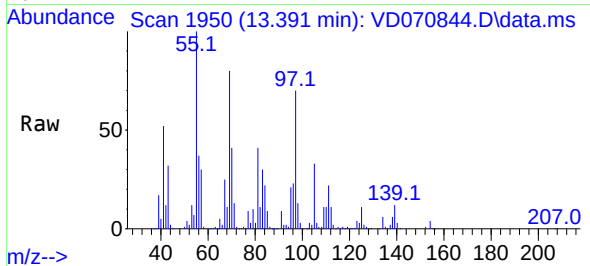
#85
 sec-Butylbenzene
 Concen: 31.699 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070844.D
 Acq: 26 Oct 2021 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Tgt Ion:105 Resp: 98148
 Ion Ratio Lower Upper
 105 100
 134 25.3 9.7 28.9

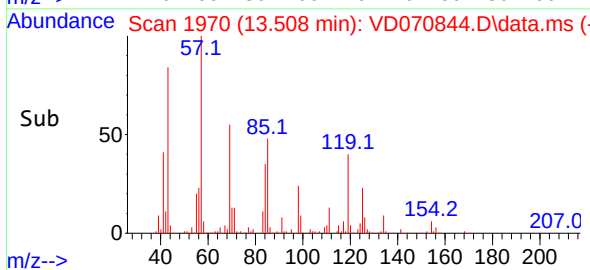
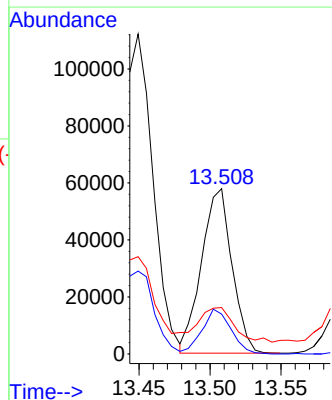
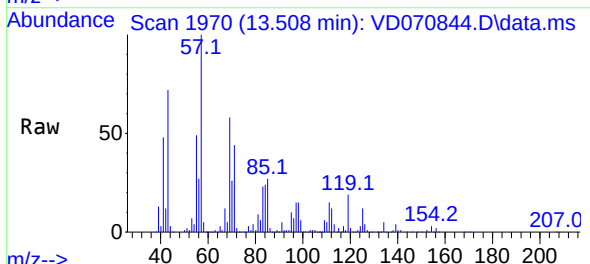
Manual Integrations
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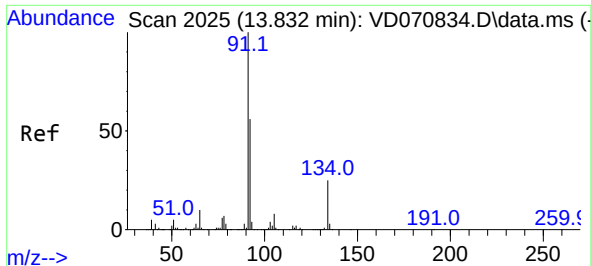
Reviewed By :Vimala Arumugam 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#86
 p-Isopropyltoluene
 Concen: 34.664 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.006 min
 Lab File: VD070844.D
 Acq: 26 Oct 2021 17:03

Tgt Ion:119 Resp: 86348
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 21.7 11.4 34.2





#89

n-Butylbenzene

Concen: 28.902 ug/l

RT: 13.832 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD070844.D

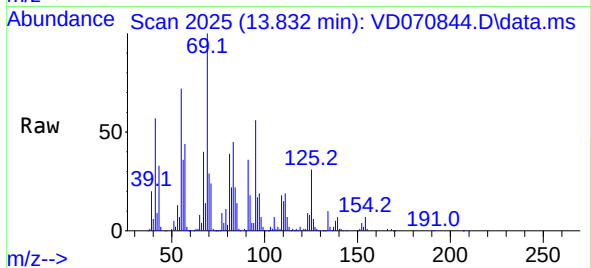
Acq: 26 Oct 2021 17:03

Instrument :

MSVOA_D

ClientSampleId :

WASTE



Tgt Ion:	91	Resp:	7054
Ion	Ratio	Lower	Upper
91	100		
92	66.6	27.3	81.9
134	0.0	12.3	36.9

Manual Integrations

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Reviewed By :Vimala Arumugam 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021

