

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073576.D
 Acq On : 14 Jun 2022 18:34
 Operator : VA/SY
 Sample : N3293-06
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40804

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 15 01:37:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	186919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	363460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	391561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	182152	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	101405	50.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.100%	
35) Dibromofluoromethane	7.909	113	115644	49.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.960%	
50) Toluene-d8	10.332	98	425431	48.144	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.280%	
62) 4-Bromofluorobenzene	12.620	95	234217	73.012	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 146.020%#	
Target Compounds						
					Qvalue	
13) Acrolein	3.921	56	46968	531.635	ug/l	99
15) Acrylonitrile	5.415	53	4003	9.274	ug/l #	74
16) Acetone	4.150	43	1334608	3778.735	ug/l	92
18) Methyl Acetate	4.720	43	12713	13.788	ug/l #	83
20) Methylene Chloride	4.950	84	21659	6.976	ug/l #	85
25) 2-Butanone	7.209	43	327212	629.639	ug/l	92
39) Methylcyclohexane	9.344	83	21397	5.231	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	52295	37.884	ug/l	96
52) Toluene	10.397	92	131852	20.134	ug/l	97
59) 2-Hexanone	10.973	43	84854m	89.757	ug/l	
67) Ethyl Benzene	11.732	91	828760	58.865	ug/l	99
68) m/p-Xylenes	11.838	106	1231225	222.848	ug/l	100
69) o-Xylene	12.167	106	809531	159.237	ug/l	96
73) Isopropylbenzene	12.467	105	498136	39.454	ug/l	99
78) n-propylbenzene	12.808	91	2226048m	141.647	ug/l	
80) 1,3,5-Trimethylbenzene	12.949	105	2345181	215.367	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	9915235	912.311	ug/l	95
85) sec-Butylbenzene	13.391	105	1311483	95.127	ug/l	84
86) p-Isopropyltoluene	13.502	119	800405	69.645	ug/l	99
89) n-Butylbenzene	13.826	91	3178278	293.162	ug/l #	74
95) Naphthalene	15.379	128	1299965	185.176	ug/l #	88

06/15/2022
Supervised By :Mahesh
Padoda

06/15/2022

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

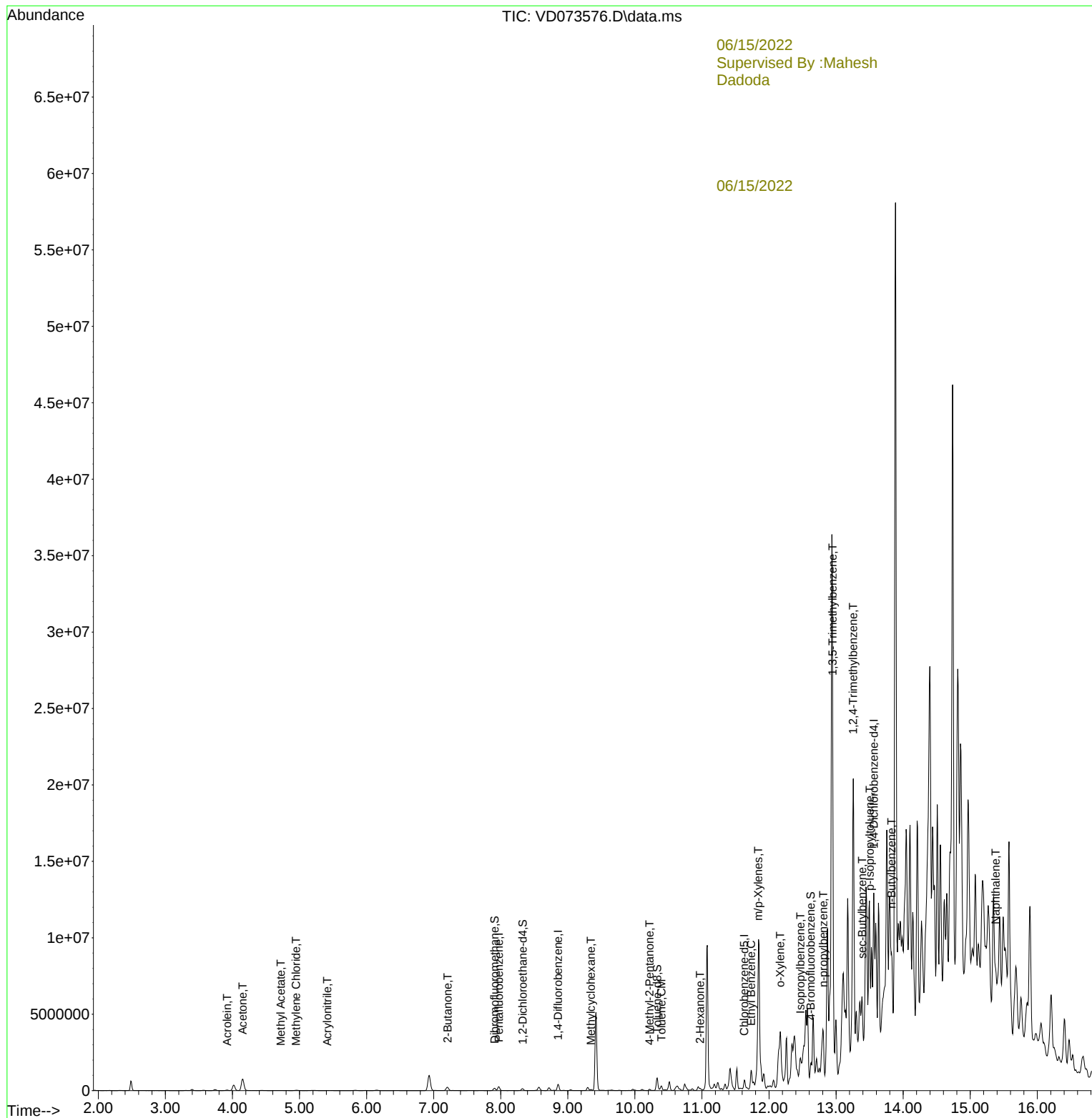
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
Data File : VD073576.D
Acq On : 14 Jun 2022 18:34
Operator : VA/SY
Sample : N3293-06
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

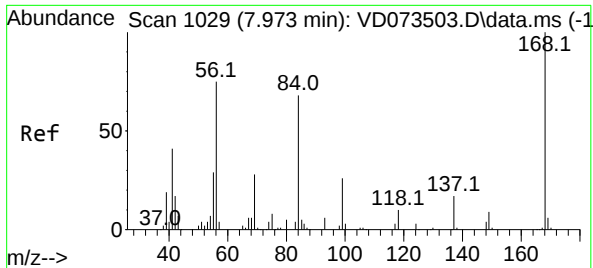
Instrument :
MSVOA_D
ClientSampleId :
40804

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/15/2022
Supervised By : Mahesh Dadoda 06/15/2022

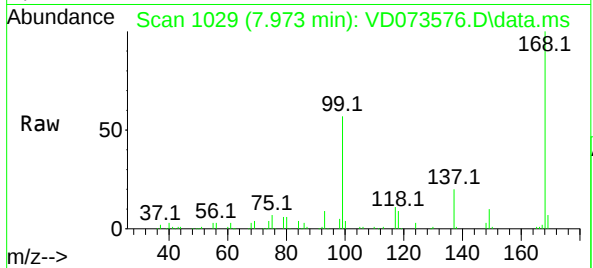
Quant Time: Jun 15 01:37:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

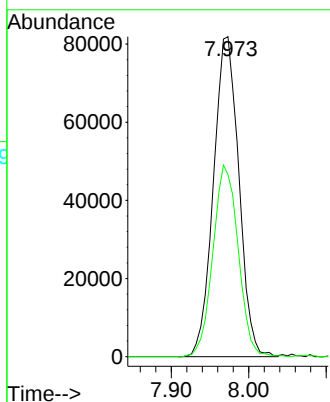
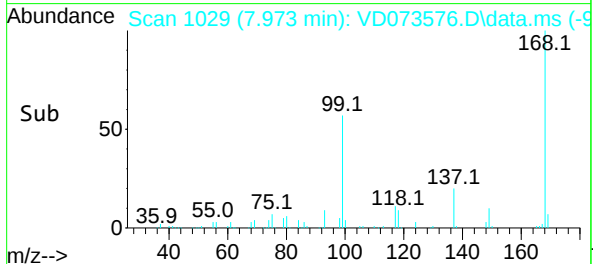
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion:168 Resp: 186919
Ion Ratio Lower Upper
168 100
99 56.9 49.8 74.6

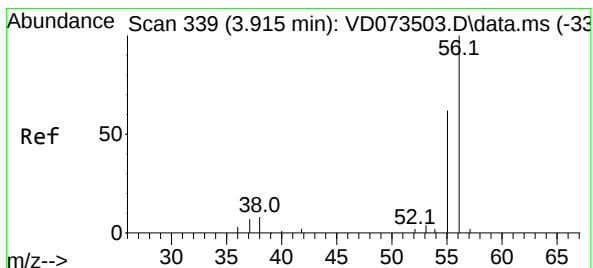
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



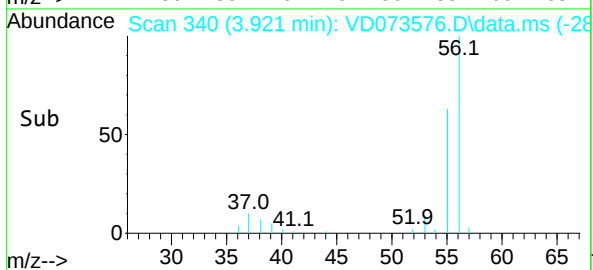
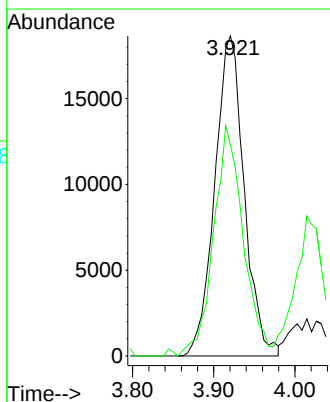
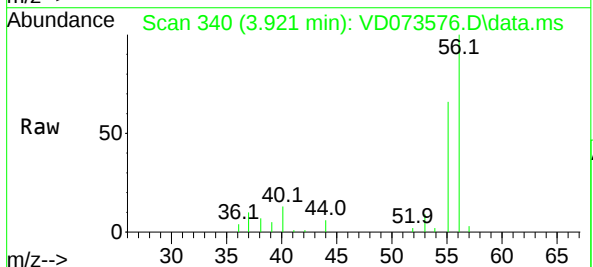
06/15/2022
Supervised By :Mahesh
Dadoda

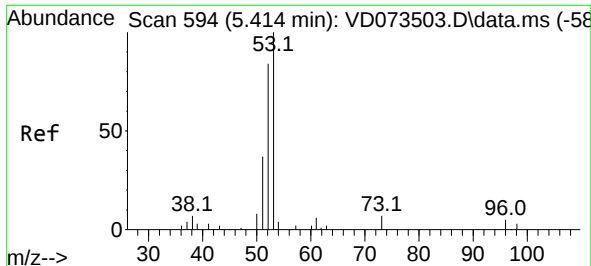
06/15/2022



#13
Acrolein
Concen: 531.635 ug/l
RT: 3.921 min Scan# 340
Delta R.T. 0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion: 56 Resp: 46968
Ion Ratio Lower Upper
56 100
55 72.4 57.1 85.7





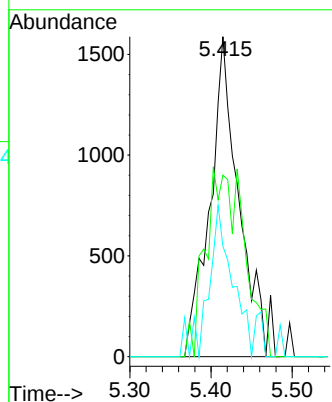
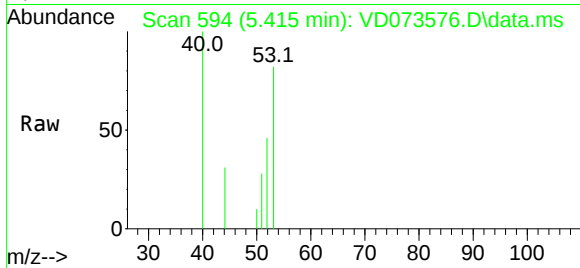
#15
Acrylonitrile
Concen: 9.274 ug/l
RT: 5.415 min Scan# 594
Delta R.T. 0.001 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

Tgt Ion: 53 Resp: 400
Ion Ratio Lower Upper
53 100
52 51.2 67.2 100.8
51 36.8 30.3 45.5

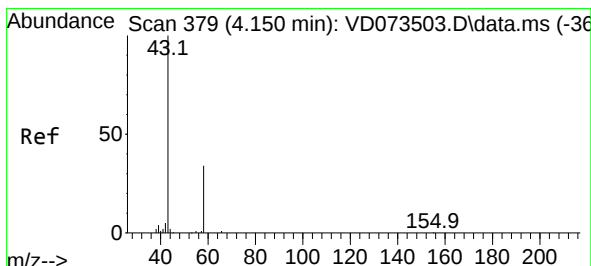
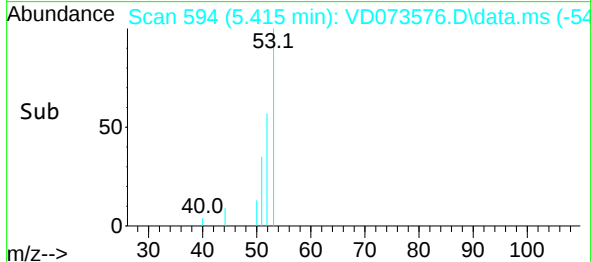
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



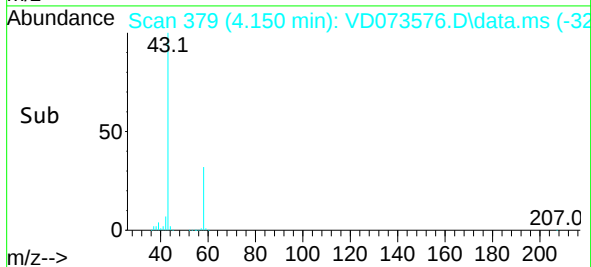
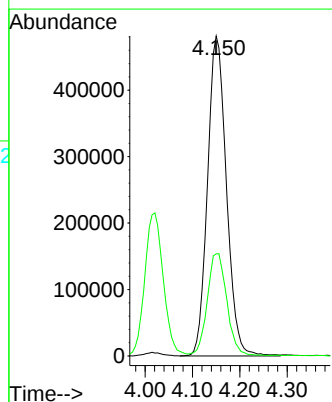
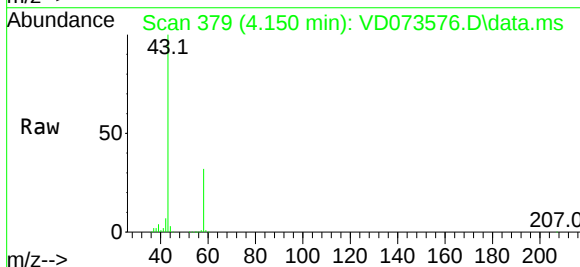
06/15/2022
Supervised By :Mahesh
Dadoda

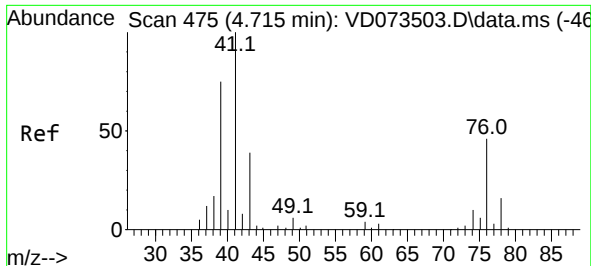
06/15/2022



#16
Acetone
Concen: 3778.735 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

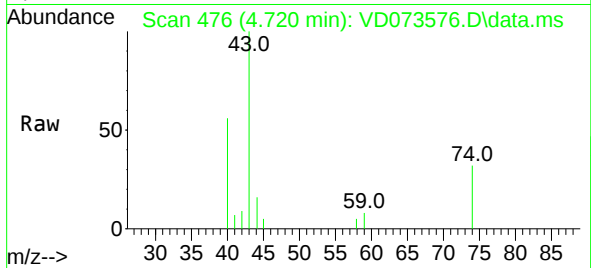
Tgt Ion: 43 Resp: 1334608
Ion Ratio Lower Upper
43 100
58 31.7 22.1 33.1





#18
Methyl Acetate
Concen: 13.788 ug/l
RT: 4.720 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

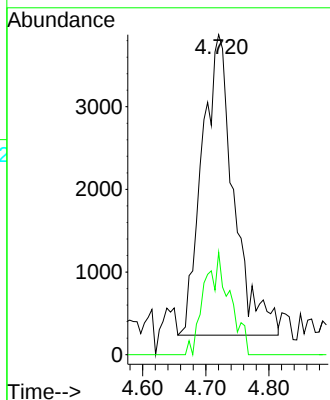
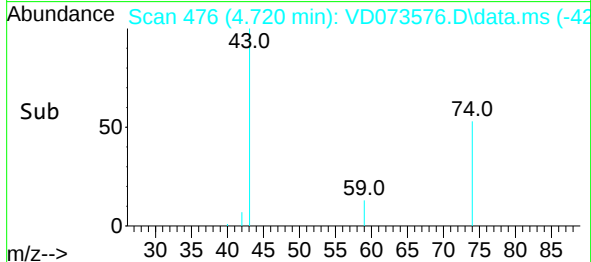
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
74 12.9 16.7 25.1

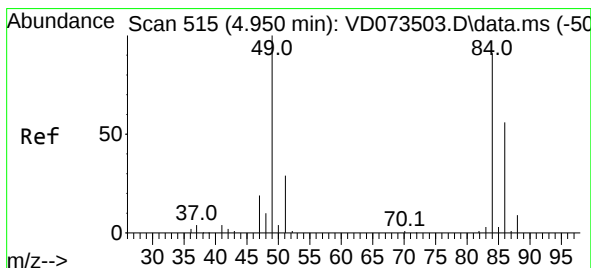
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022

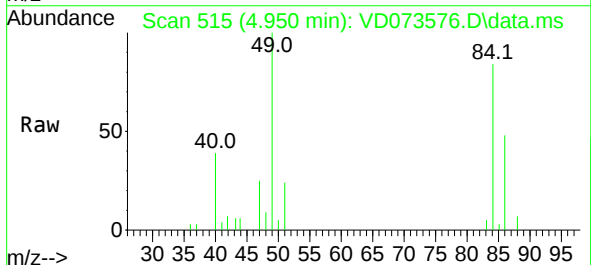


06/15/2022
Supervised By :Mahesh
Dadoda

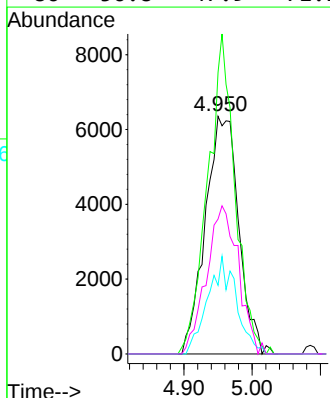
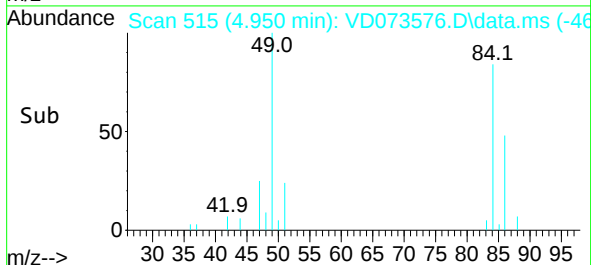
06/15/2022

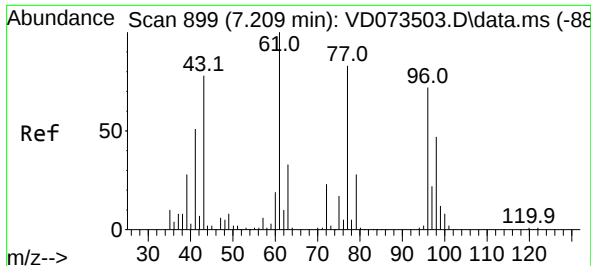


#20
Methylene Chloride
Concen: 6.976 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34



Tgt Ion: 84 Resp: 21659
Ion Ratio Lower Upper
84 100
49 118.4 112.8 169.2
51 28.9 32.6 48.8#
86 56.8 47.9 71.9





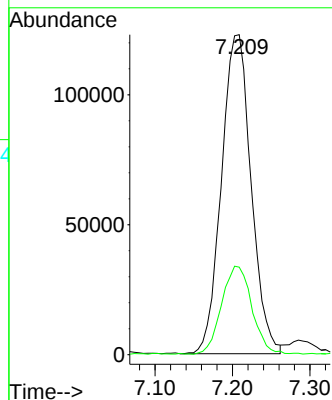
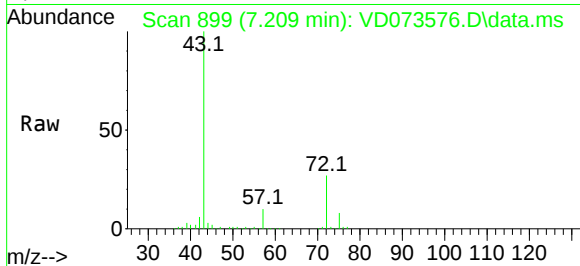
#25
2-Butanone
Concen: 629.639 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

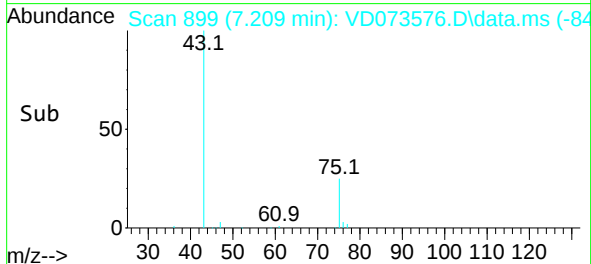
Tgt Ion: 43 Resp: 32721
Ion Ratio Lower Upper
43 100
72 27.1 18.6 27.8

Manual Integrations
APPROVED

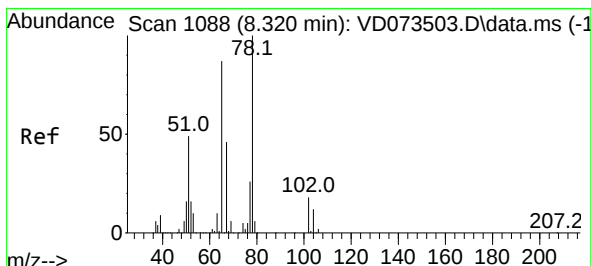
Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



06/15/2022
Supervised By :Mahesh
Dadoda

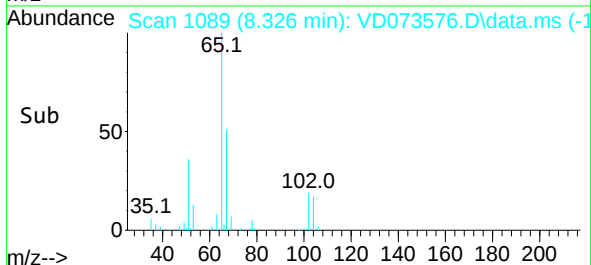
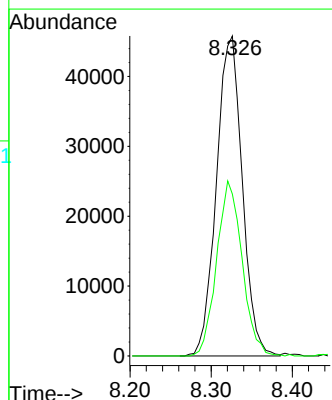
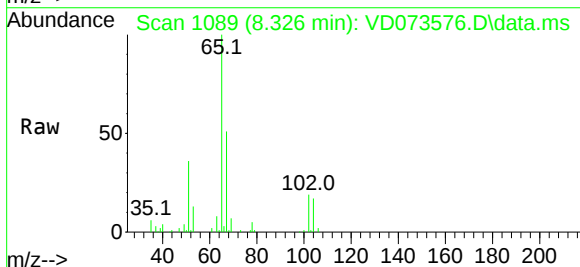


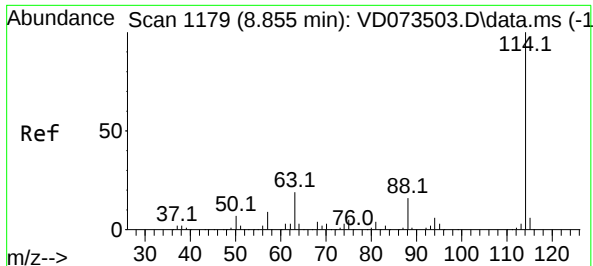
06/15/2022



#33
1,2-Dichloroethane-d4
Concen: 50.554 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion: 65 Resp: 101405
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073576.D

Acq: 14 Jun 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

40804

Tgt Ion:114 Resp: 363460

Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

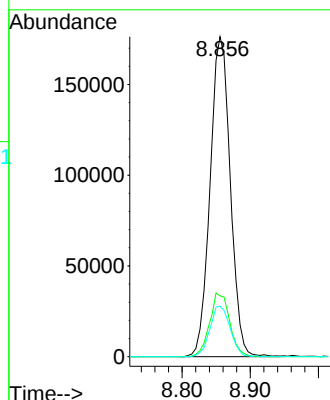
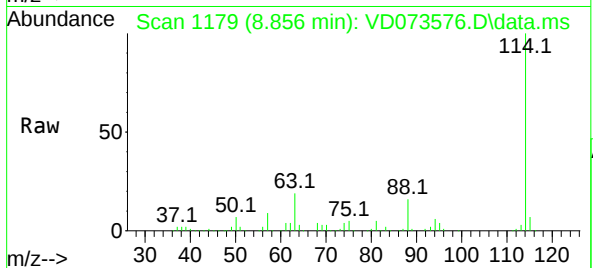
88 15.8 0.0 33.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/15/2022

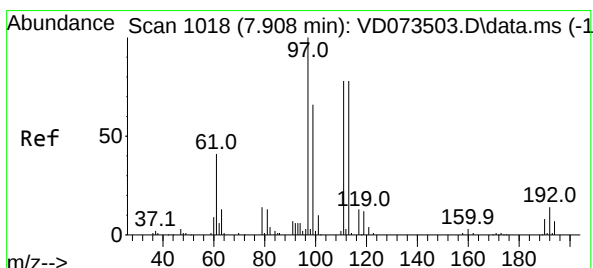
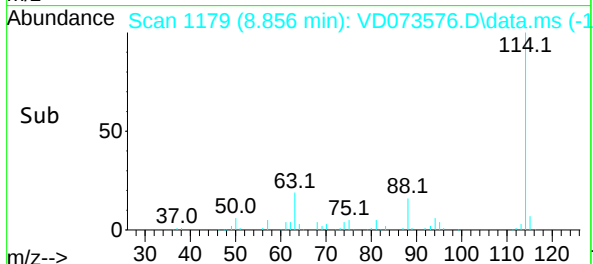
Supervised By :Mahesh Dadoda 06/15/2022



06/15/2022

Supervised By :Mahesh
Dadoda

06/15/2022



#35

Dibromofluoromethane

Concen: 49.480 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD073576.D

Acq: 14 Jun 2022 18:34

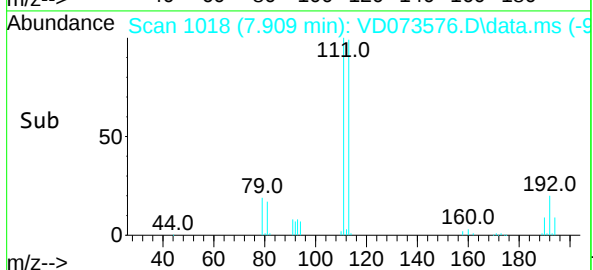
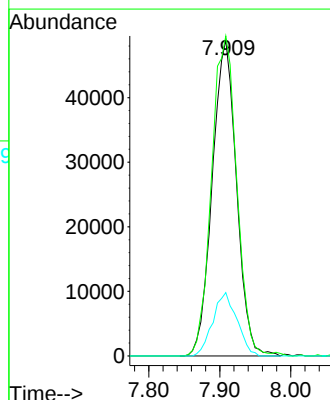
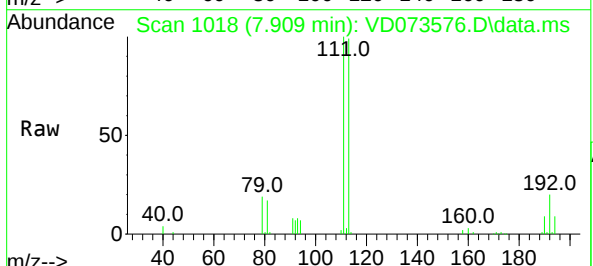
Tgt Ion:113 Resp: 115644

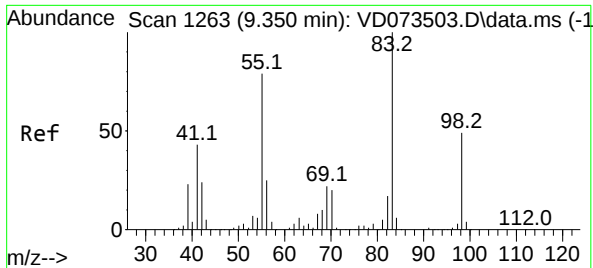
Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

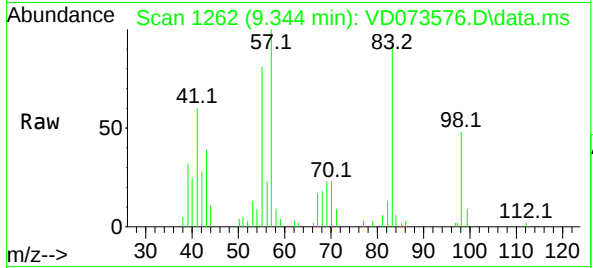
192 20.0 14.6 21.8





#39
Methylcyclohexane
Concen: 5.231 ug/l
RT: 9.344 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

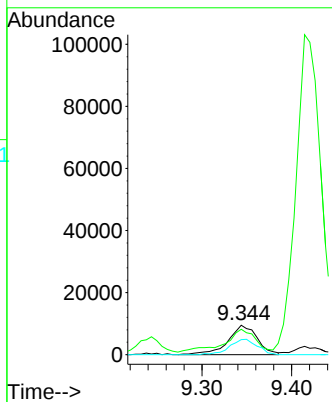
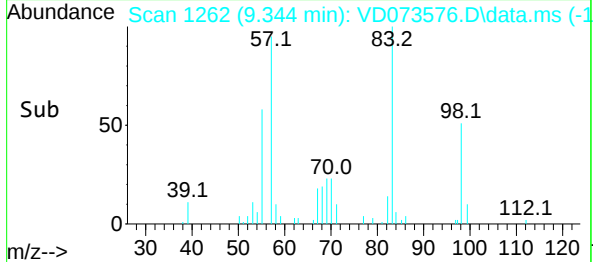
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion: 83 Resp: 2139
Ion Ratio Lower Upper
83 100
55 77.7 63.2 94.8
98 51.2 38.2 57.4

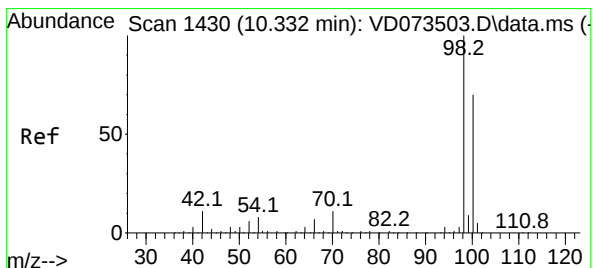
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



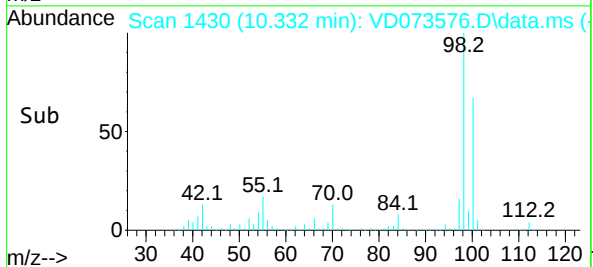
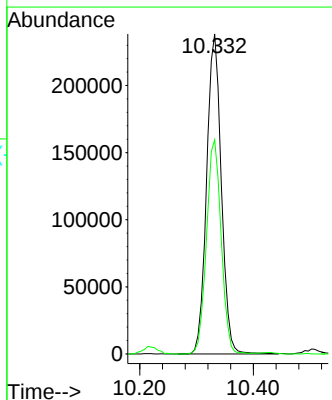
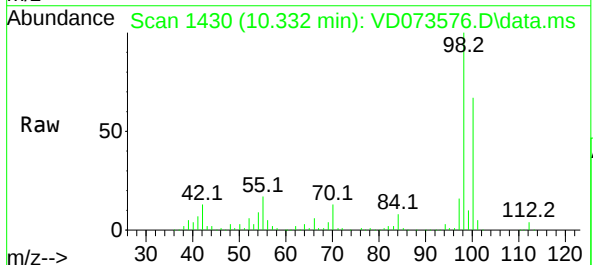
06/15/2022
Supervised By :Mahesh
Dadoda

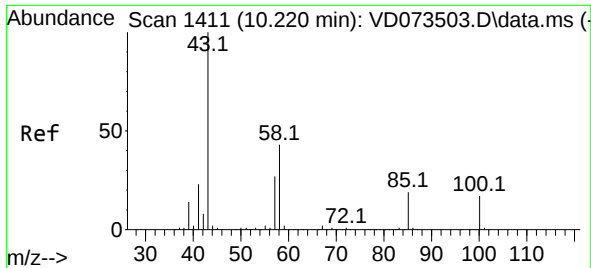
06/15/2022



#50
Toluene-d8
Concen: 48.144 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion: 98 Resp: 425431
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6





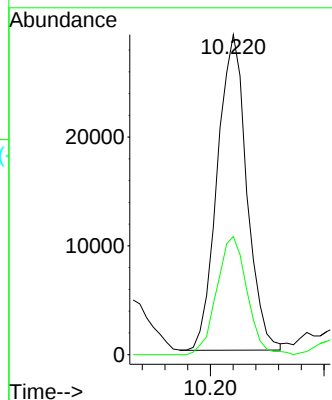
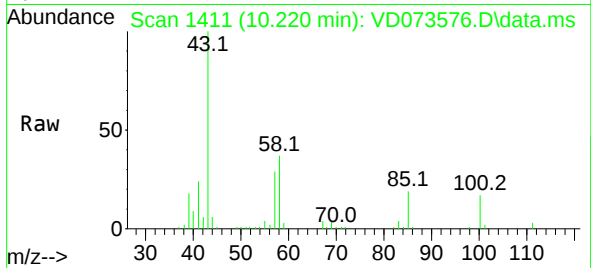
#51
4-Methyl-2-Pentanone
Concen: 37.884 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

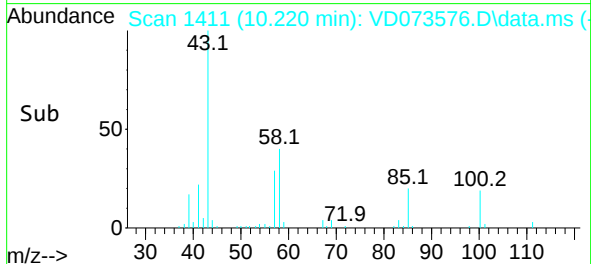
Tgt Ion: 43 Resp: 5229
Ion Ratio Lower Upper
43 100
58 38.3 28.6 43.0

Manual Integrations
APPROVED

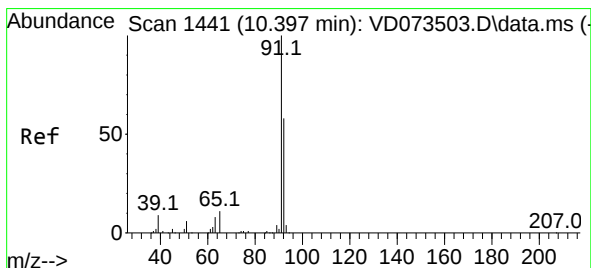
Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



06/15/2022
Supervised By :Mahesh
Dadoda

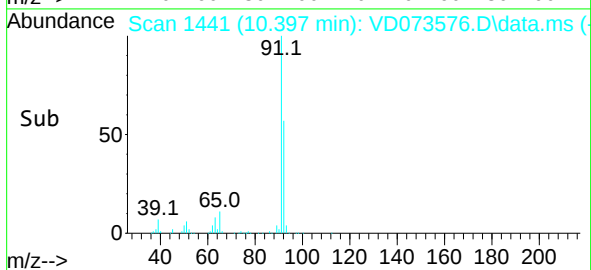
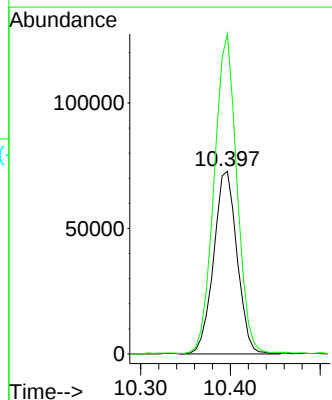
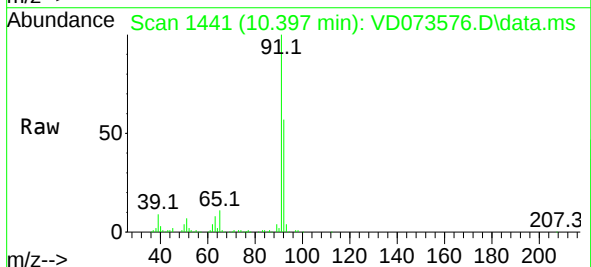


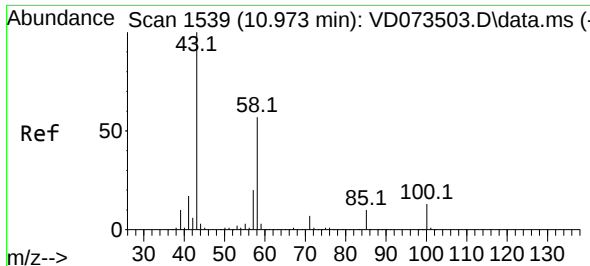
06/15/2022



#52
Toluene
Concen: 20.134 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion: 92 Resp: 131852
Ion Ratio Lower Upper
92 100
91 170.3 139.6 209.4





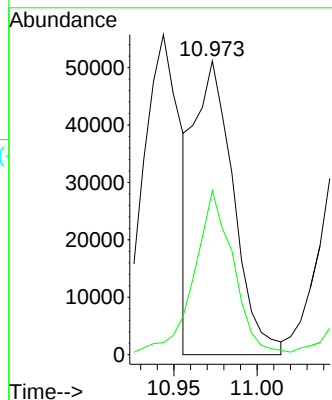
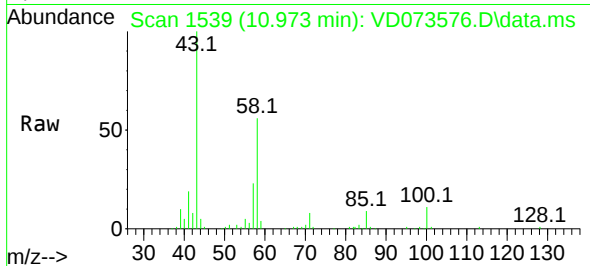
#59
2-Hexanone
Concen: 89.757 ug/l m
RT: 10.973 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

Tgt Ion: 43 Resp: 84854
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9

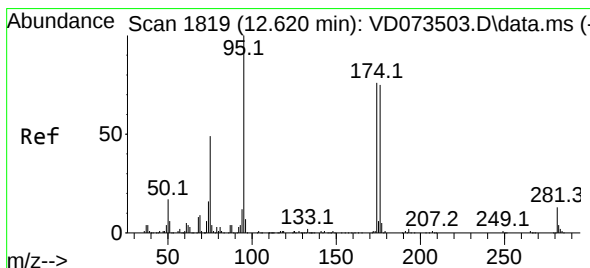
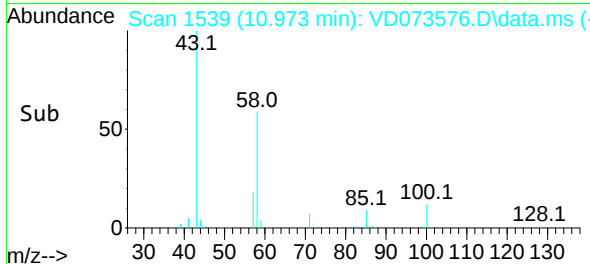
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



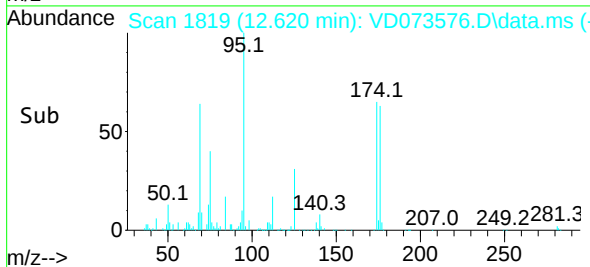
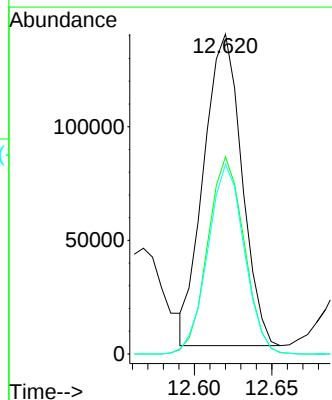
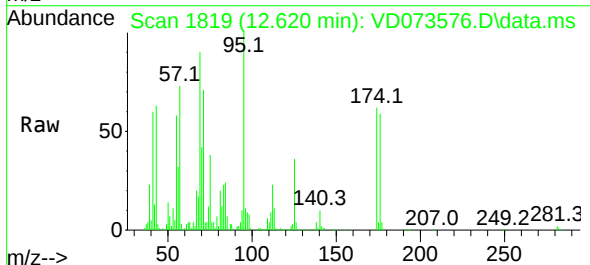
06/15/2022
Supervised By :Mahesh
Dadoda

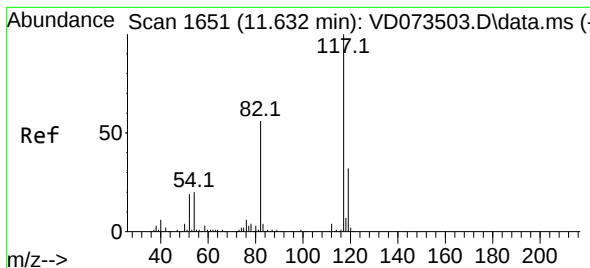
06/15/2022



#62
4-Bromofluorobenzene
Concen: 73.012 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion: 95 Resp: 234217
Ion Ratio Lower Upper
95 100
174 60.5 0.0 152.8
176 58.1 0.0 145.4





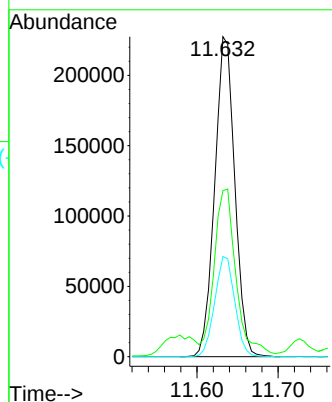
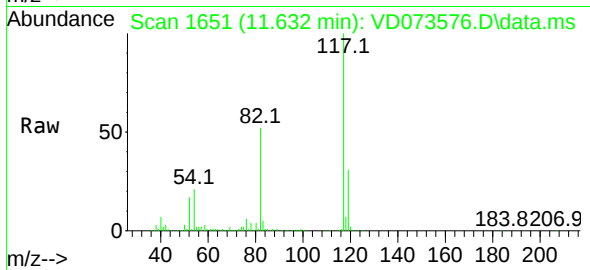
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

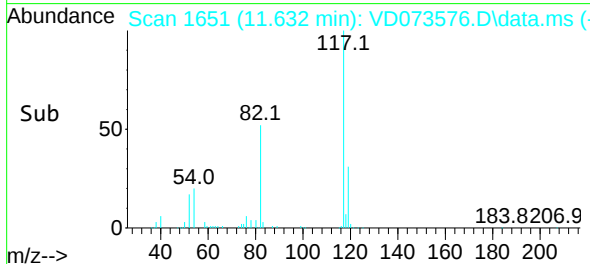
Tgt Ion:117 Resp: 39156
Ion Ratio Lower Upper
117 100
82 50.6 45.3 67.9
119 31.3 26.6 40.0

Manual Integrations
APPROVED

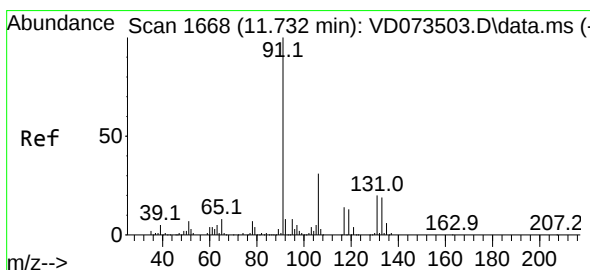
Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



06/15/2022
Supervised By :Mahesh
Dadoda

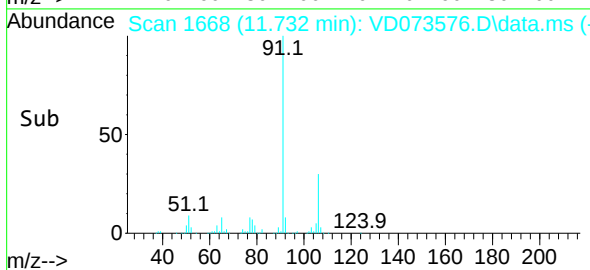
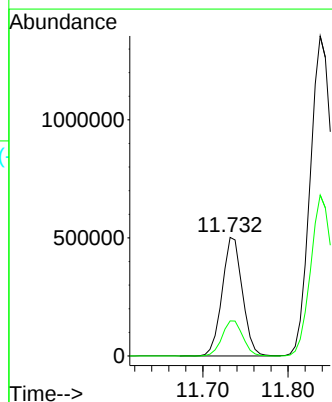
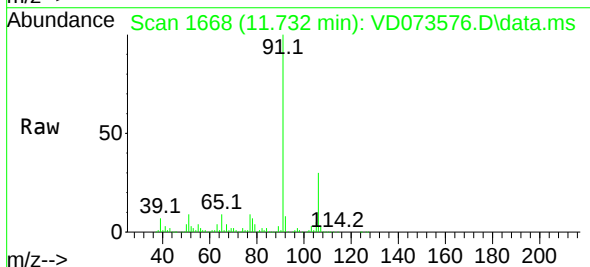


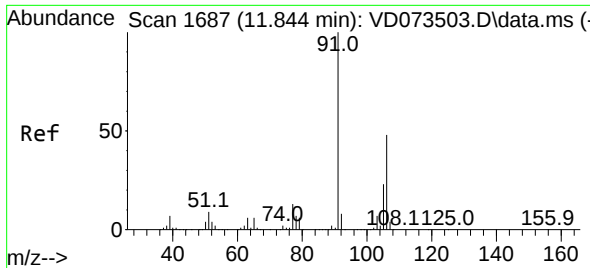
06/15/2022



#67
Ethyl Benzene
Concen: 58.865 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

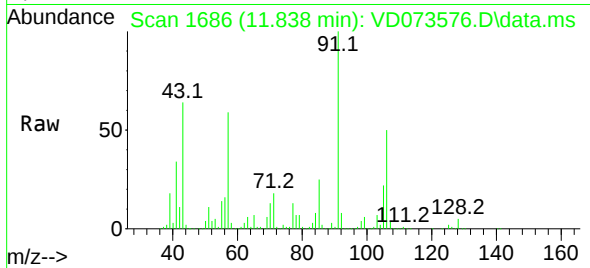
Tgt Ion: 91 Resp: 828760
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4





#68
m/p-Xylenes
Concen: 222.848 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

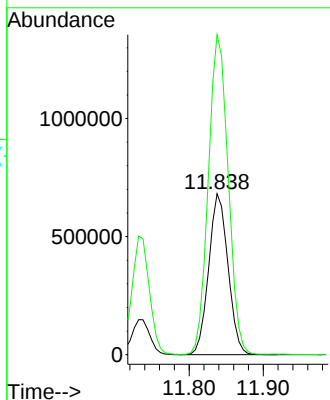
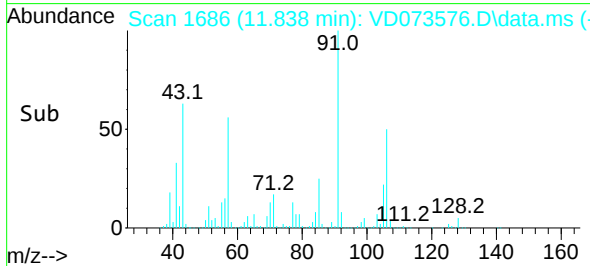
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion:106 Resp: 1231229
Ion Ratio Lower Upper
106 100
91 204.0 163.7 245.5

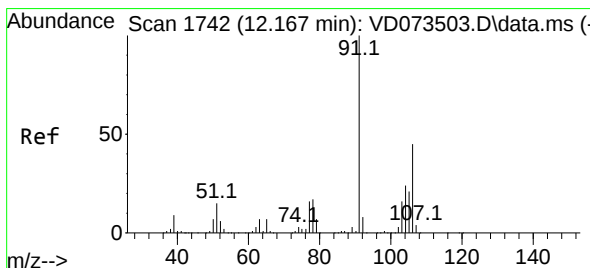
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



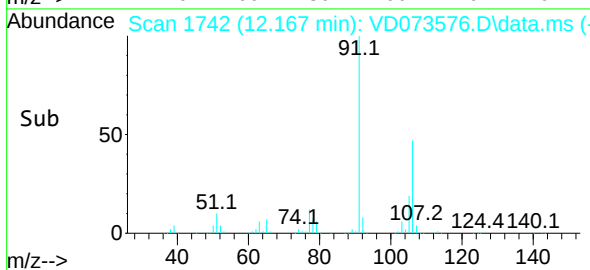
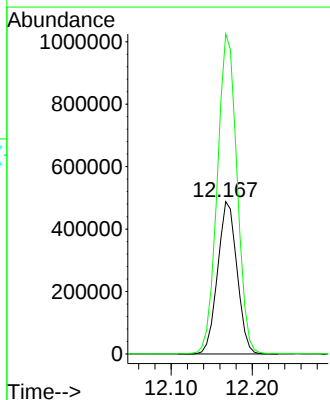
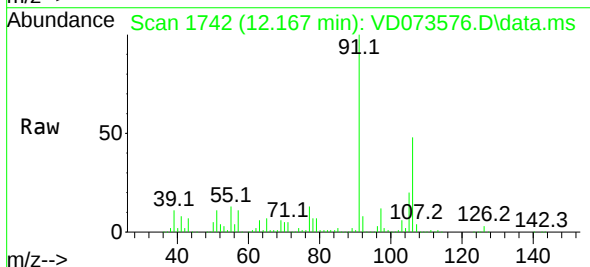
06/15/2022
Supervised By :Mahesh
Dadoda

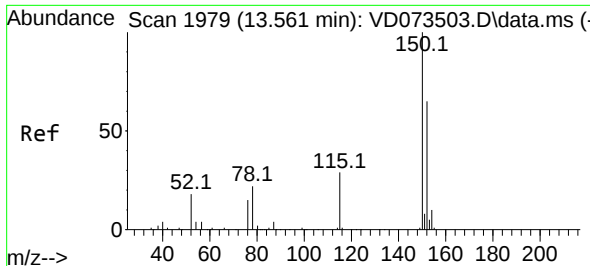
06/15/2022



#69
o-Xylene
Concen: 159.237 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion:106 Resp: 809531
Ion Ratio Lower Upper
106 100
91 214.3 110.4 331.2





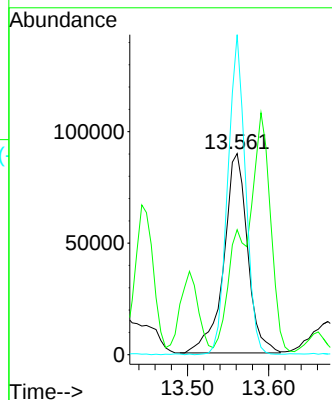
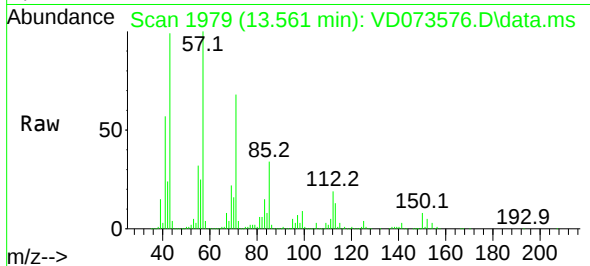
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

Tgt Ion:152 Resp: 182152
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8
150 120.0 0.0 348.6

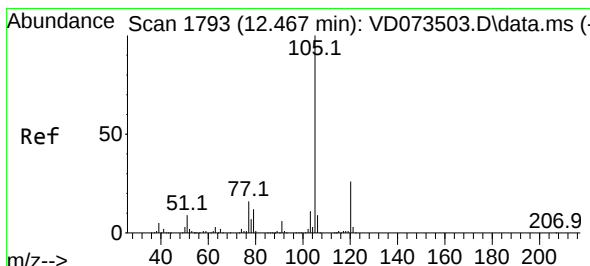
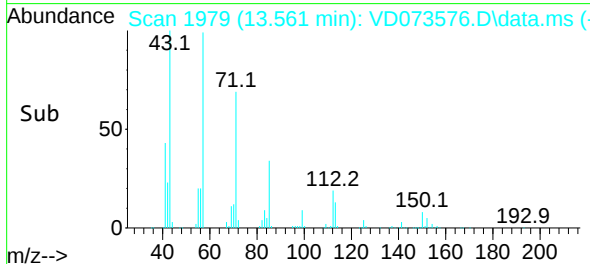
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



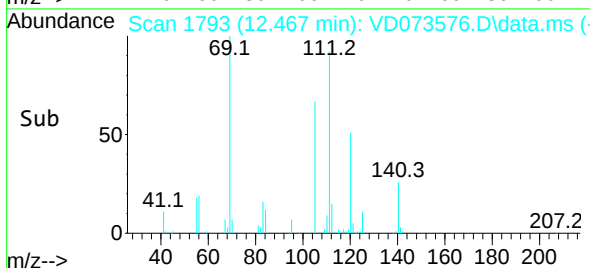
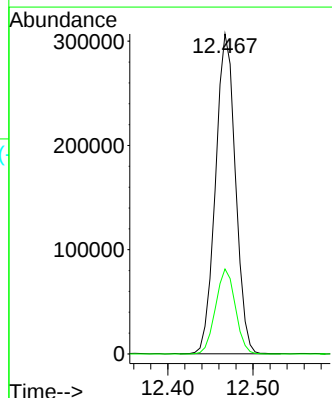
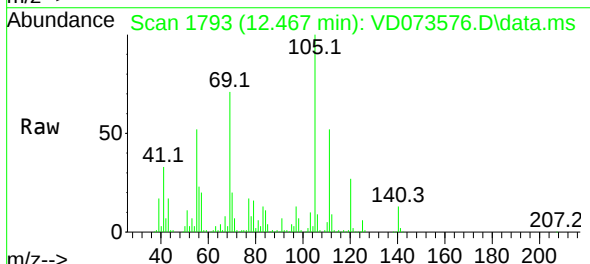
06/15/2022
Supervised By :Mahesh
Dadoda

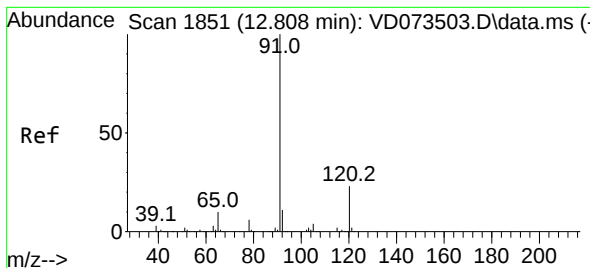
06/15/2022



#73
Isopropylbenzene
Concen: 39.454 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Tgt Ion:105 Resp: 498136
Ion Ratio Lower Upper
105 100
120 26.3 13.0 38.9





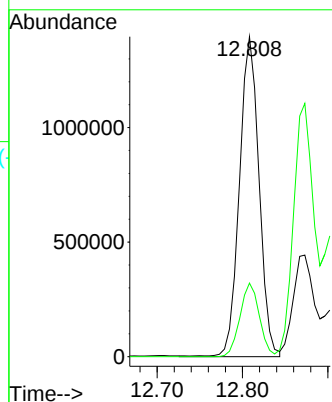
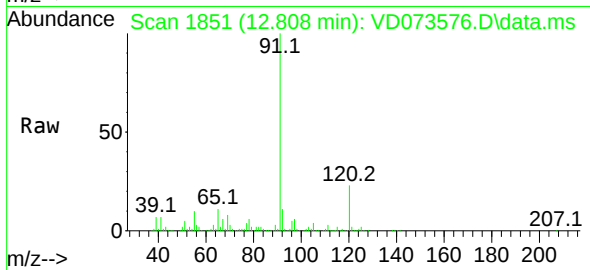
#78
n-propylbenzene
Concen: 141.647 ug/l m
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

Tgt Ion: 91 Resp: 222604
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9

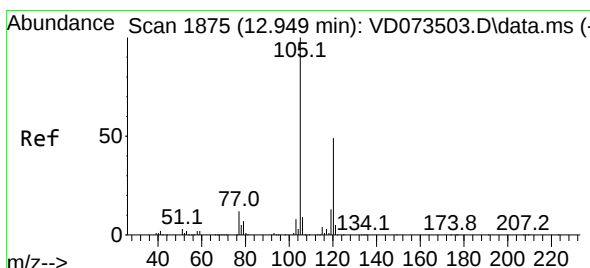
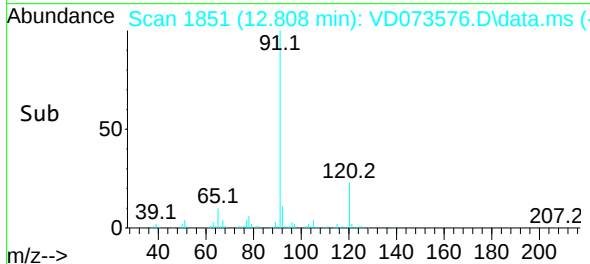
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



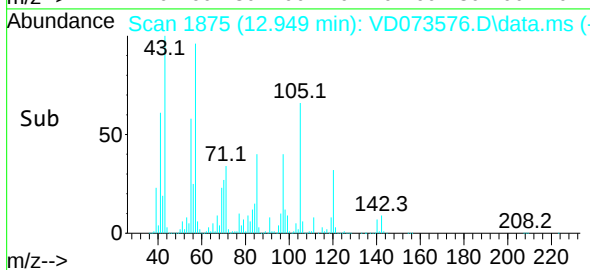
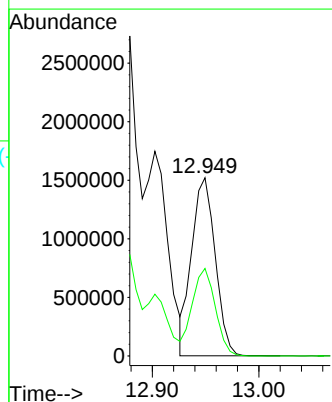
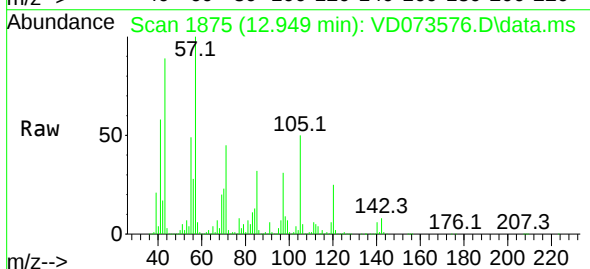
06/15/2022
Supervised By :Mahesh
Dadoda

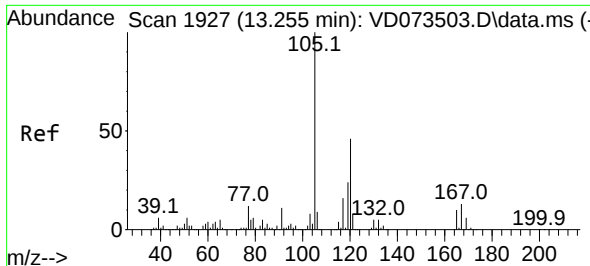
06/15/2022



#80
1,3,5-Trimethylbenzene
Concen: 215.367 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

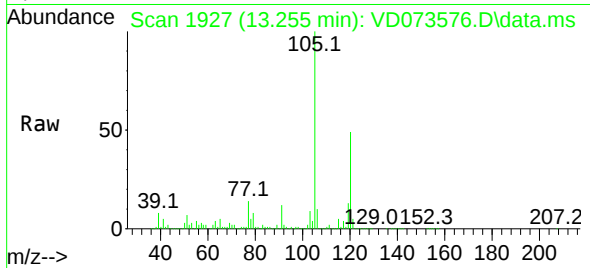
Tgt Ion:105 Resp: 2345181
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8





#84
1,2,4-Trimethylbenzene
Concen: 912.311 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

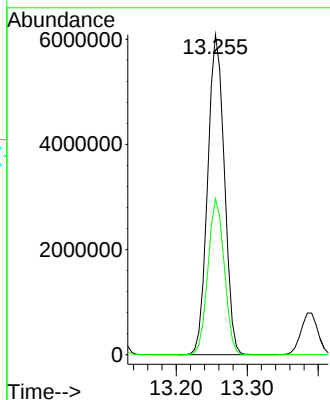
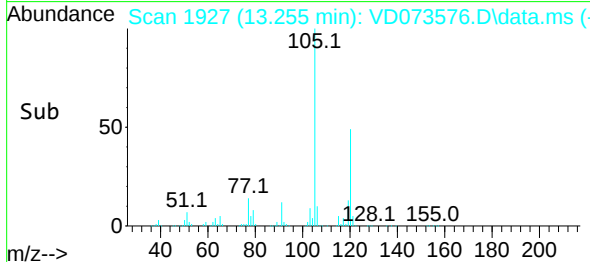
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion:105 Resp: 991523
Ion Ratio Lower Upper
105 100
120 47.7 22.3 66.8

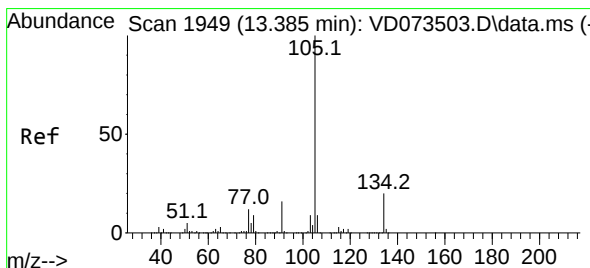
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022

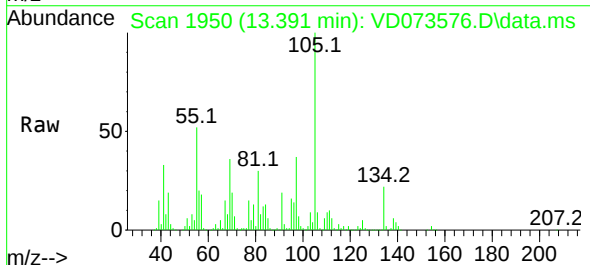


06/15/2022
Supervised By :Mahesh
Dadoda

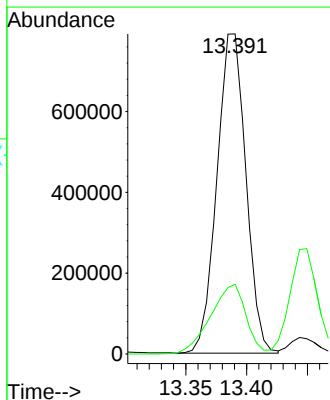
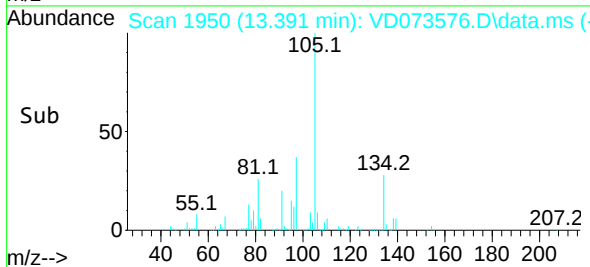
06/15/2022

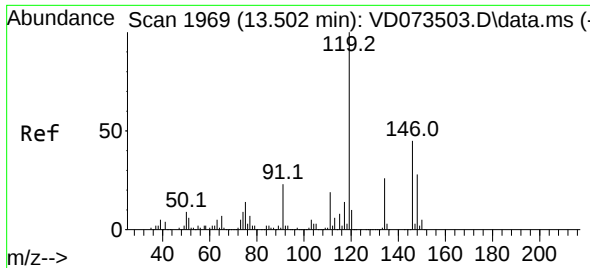


#85
sec-Butylbenzene
Concen: 95.127 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34



Tgt Ion:105 Resp: 1311483
Ion Ratio Lower Upper
105 100
134 26.7 9.8 29.3





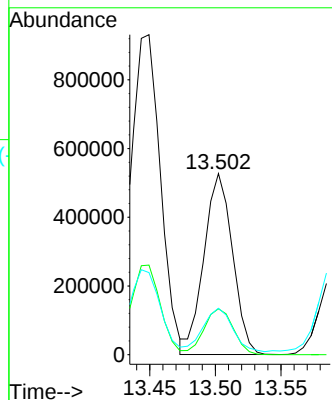
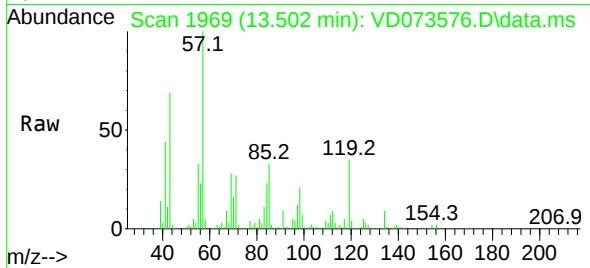
#86
p-Isopropyltoluene
Concen: 69.645 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
40804

Tgt Ion:119 Resp: 800409
Ion Ratio Lower Upper
119 100
134 26.2 12.9 38.6
91 24.6 12.1 36.3

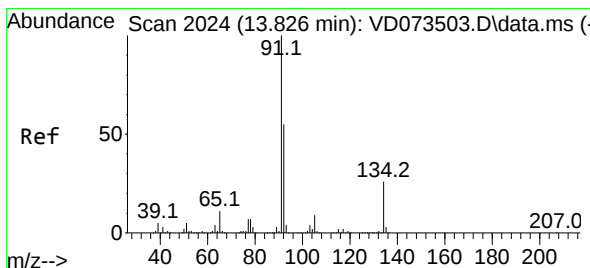
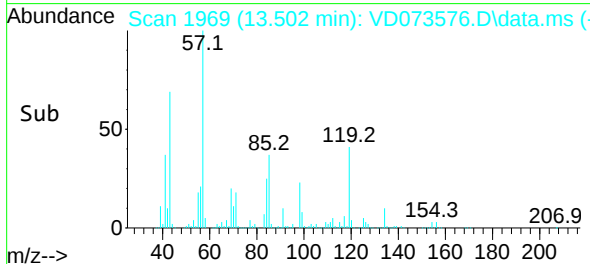
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



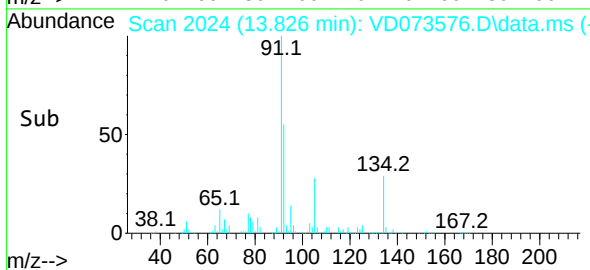
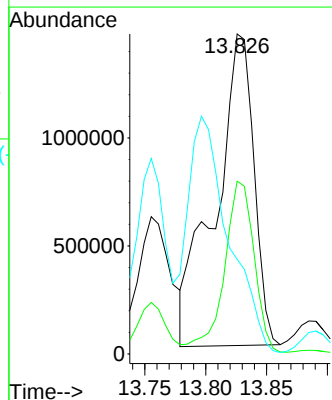
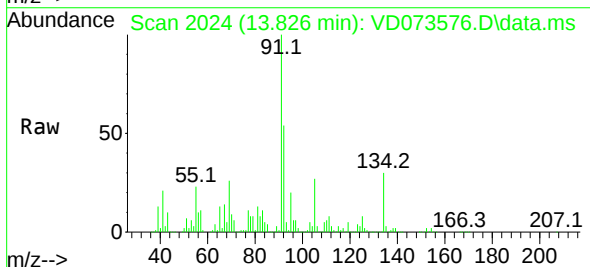
06/15/2022
Supervised By :Mahesh
Dadoda

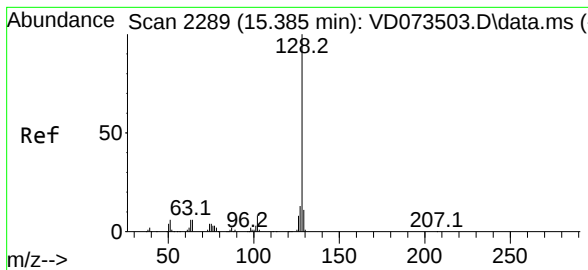
06/15/2022



#89
n-Butylbenzene
Concen: 293.162 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

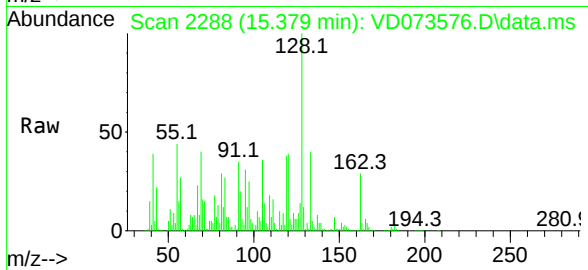
Tgt Ion: 91 Resp: 3178278
Ion Ratio Lower Upper
91 100
92 42.3 26.6 79.8
134 0.0 12.3 36.9#





#95
Naphthalene
Concen: 185.176 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073576.D
Acq: 14 Jun 2022 18:34

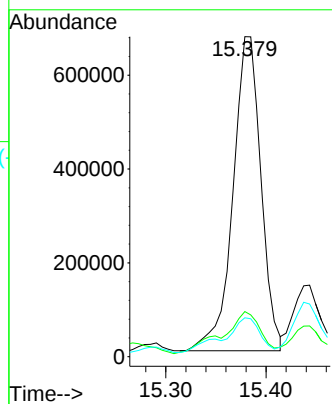
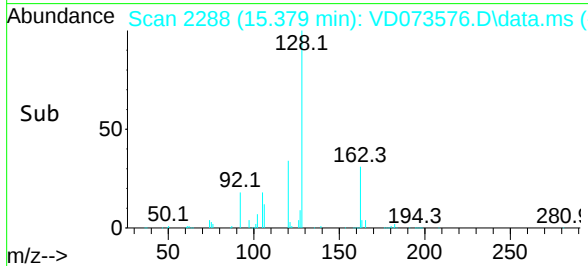
Instrument :
MSVOA_D
ClientSampleId :
40804



Tgt Ion:128 Resp: 129996
Ion Ratio Lower Upper
128 100
127 18.1 10.3 15.5
129 14.2 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/15/2022
Supervised By :Mahesh Dadoda 06/15/2022



06/15/2022
Supervised By :Mahesh
Dadoda

06/15/2022