

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054355.D
 Acq On : 31 May 2023 22:32
 Operator : JC/MD
 Sample : VU0531MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531MBL01

Manual Integrations
 APPROVED

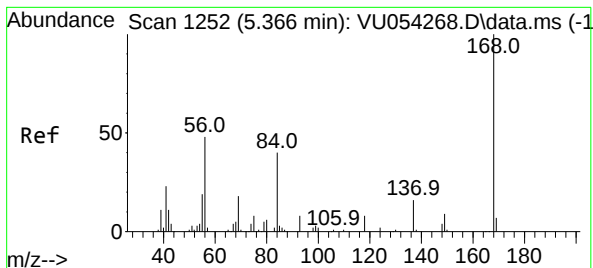
Reviewed By :Krupa Patel 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 06:11:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

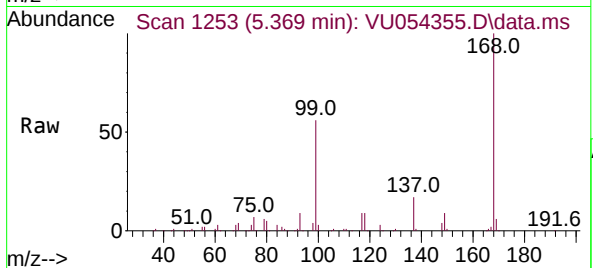
Internal Standards						
1) Pentafluorobenzene	5.369	168	261693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	443898	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	425475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	206741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	180841	52.715	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.440%			
35) Dibromofluoromethane	5.282	113	150198	52.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.080%			
50) Toluene-d8	7.893	98	551010	50.676	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.360%			
62) 4-Bromofluorobenzene	10.626	95	193659	45.934	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.860%			
Target Compounds					Qvalue	
77) Bromobenzene	10.784	156	2536	0.721	ug/l	90
78) n-propylbenzene	10.903	91	8375	0.534	ug/l	96
79) 2-Chlorotoluene	10.983	91	4350	0.458	ug/l	87
80) 1,3,5-Trimethylbenzene	11.086	105	3838	0.352	ug/l	93
82) 4-Chlorotoluene	11.096	91	7104	0.638	ug/l	95
83) tert-Butylbenzene	11.414	119	3389	0.311	ug/l	81
84) 1,2,4-Trimethylbenzene	11.468	105	4245	0.392	ug/l	93
85) sec-Butylbenzene	11.639	105	6720	0.486	ug/l	99
86) p-Isopropyltoluene	11.790	119	5985	0.515	ug/l	90
87) 1,3-Dichlorobenzene	11.748	146	5573	0.819	ug/l	95
88) 1,4-Dichlorobenzene	11.832	146	7304m	1.027	ug/l	
89) n-Butylbenzene	12.205	91	9533	0.872	ug/l	94
91) 1,2-Dichlorobenzene	12.211	146	5327	0.795	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	13.005	75	697	0.590	ug/l	82
93) 1,2,4-Trichlorobenzene	13.841	180	7080	3.083	ug/l	91
94) Hexachlorobutadiene	14.012	225	2285	1.840	ug/l	97
95) Naphthalene	14.086	128	29299	3.831	ug/l	97
96) 1,2,3-Trichlorobenzene	14.327	180	8770	3.069	ug/l	97

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. 0.003 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

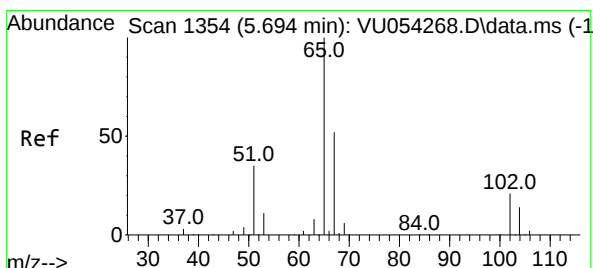
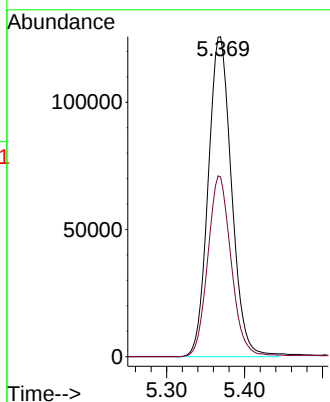
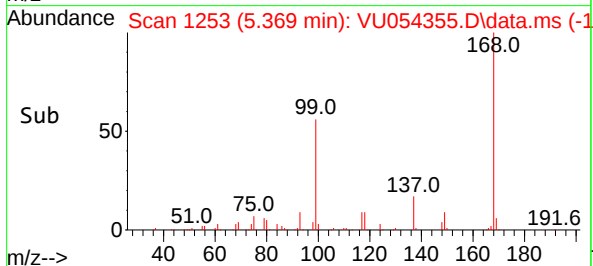
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



Tgt Ion:168 Resp: 261693
Ion Ratio Lower Upper
168 100
99 56.2 39.3 58.9

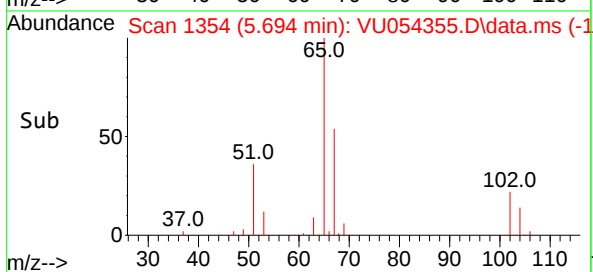
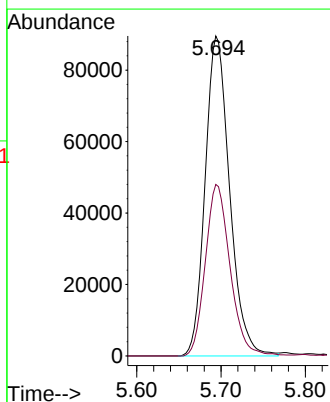
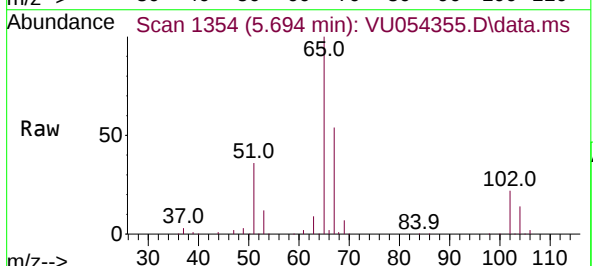
Manual Integrations
APPROVED

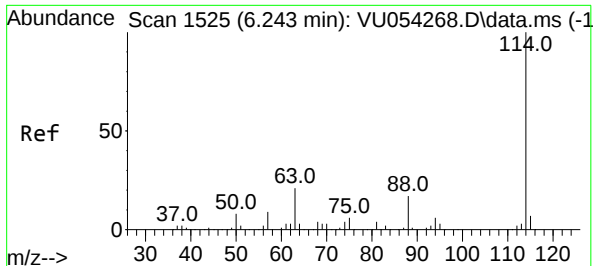
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#33
1,2-Dichloroethane-d4
Concen: 52.715 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

Tgt Ion: 65 Resp: 180841
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL01

Tgt Ion:114 Resp: 443898

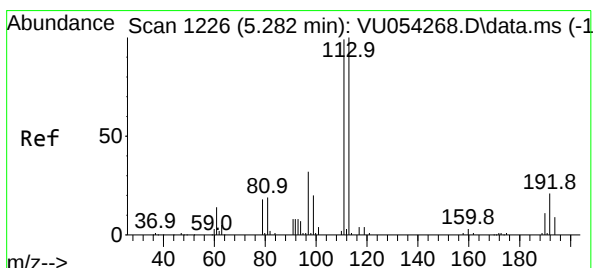
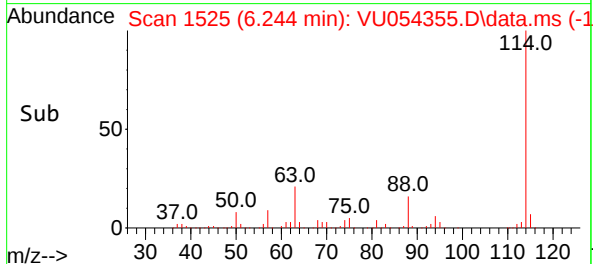
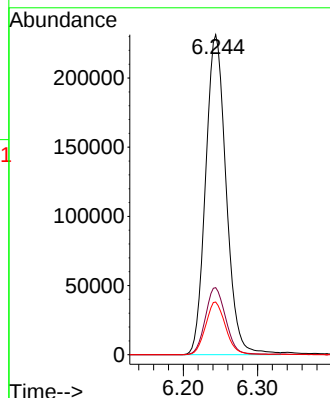
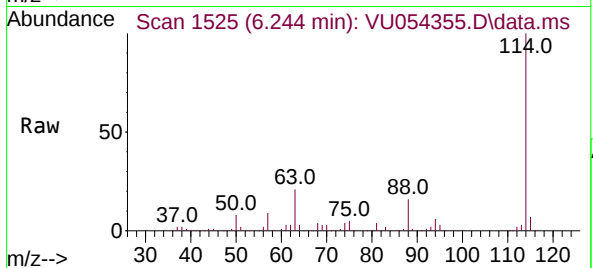
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	37.8
88	16.5	0.0	29.2

Manual Integrations

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Reviewed By :Krupa Patel 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#35

Dibromofluoromethane

Concen: 52.542 ug/l

RT: 5.282 min Scan# 1226

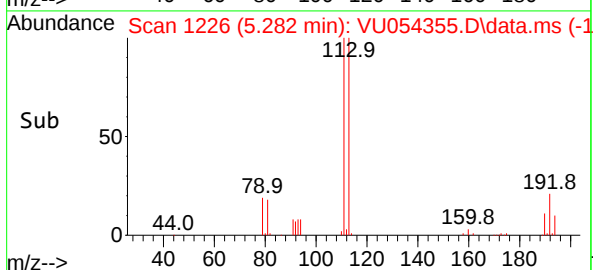
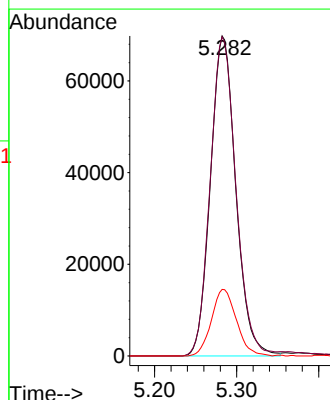
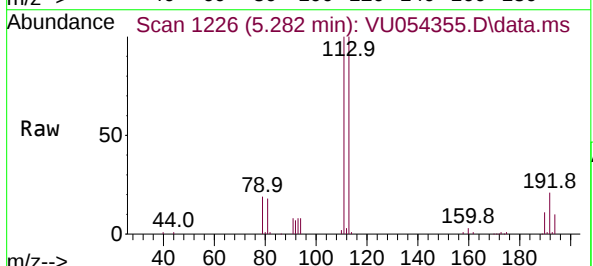
Delta R.T. 0.000 min

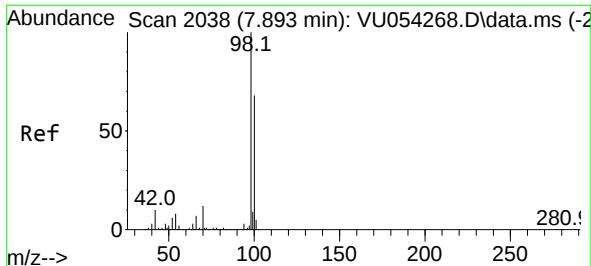
Lab File: VU054355.D

Acq: 31 May 2023 22:32

Tgt Ion:113 Resp: 150198

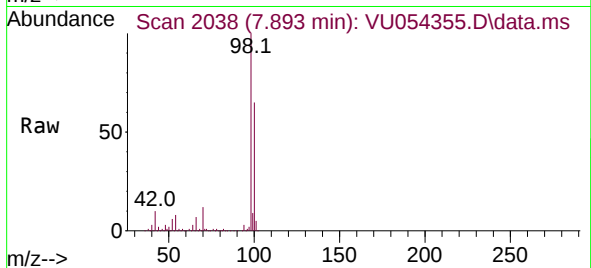
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.1	123.1
192	20.5	18.0	27.0





#50
Toluene-d8
Concen: 50.676 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. 0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

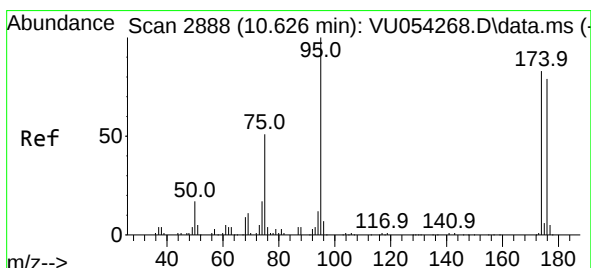
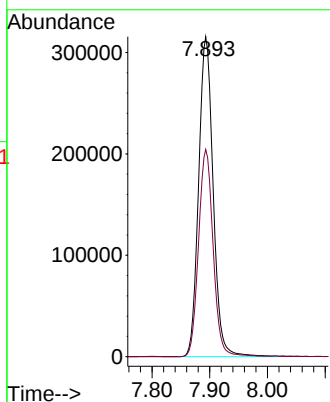
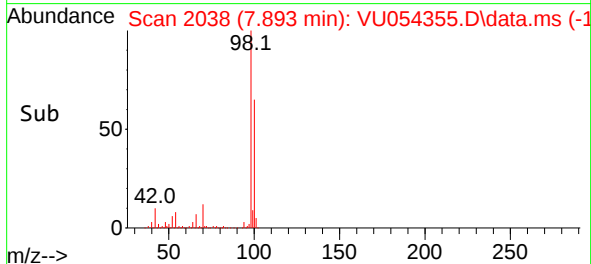
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



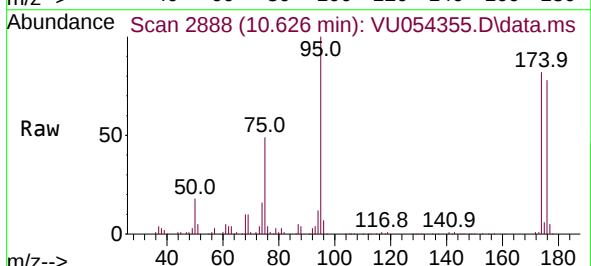
Tgt Ion: 98 Resp: 551010
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

Manual Integrations
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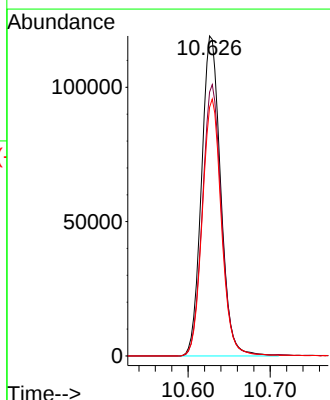
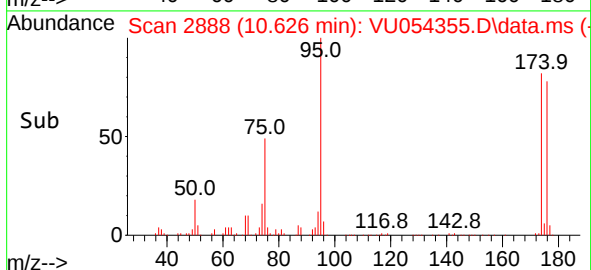
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

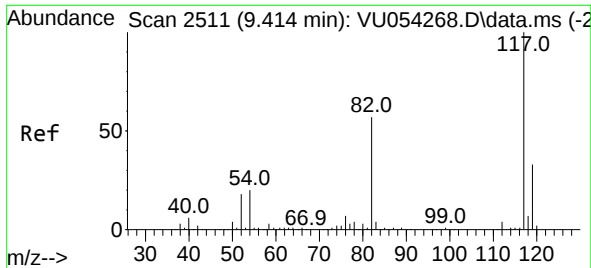


#62
4-Bromofluorobenzene
Concen: 45.934 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



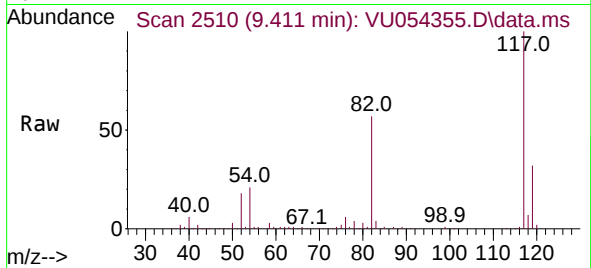
Tgt Ion: 95 Resp: 193659
Ion Ratio Lower Upper
95 100
174 84.4 0.0 182.0
176 80.0 0.0 177.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

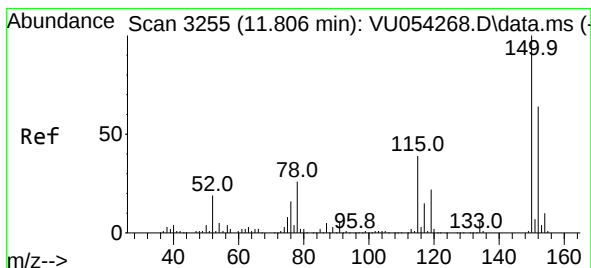
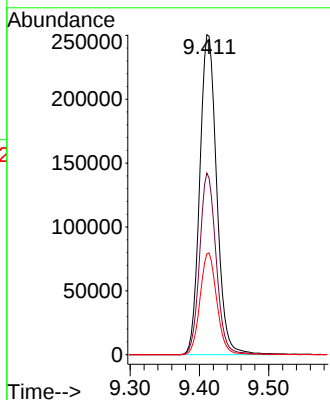
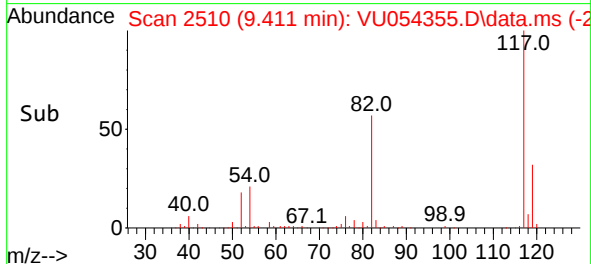
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



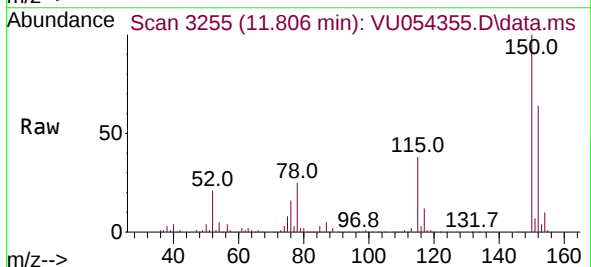
Tgt Ion:117 Resp: 425475
Ion Ratio Lower Upper
117 100
82 56.8 41.7 62.5
119 31.5 25.7 38.5

Manual Integrations
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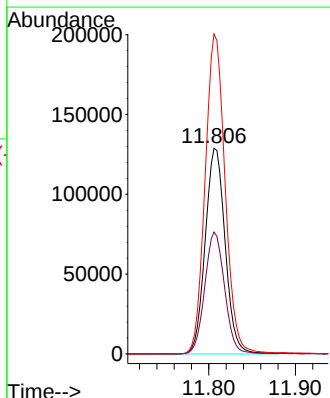
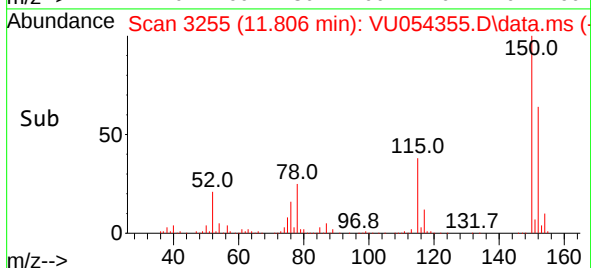
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

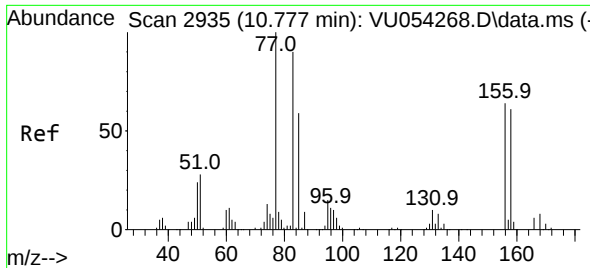


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



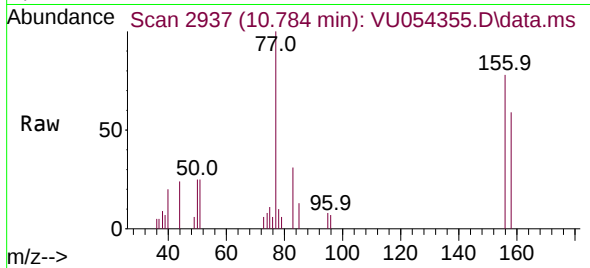
Tgt Ion:152 Resp: 206741
Ion Ratio Lower Upper
152 100
115 58.9 37.0 110.9
150 155.8 0.0 342.2





#77
Bromobenzene
Concen: 0.721 ug/l
RT: 10.784 min Scan# 2936
Delta R.T. 0.007 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

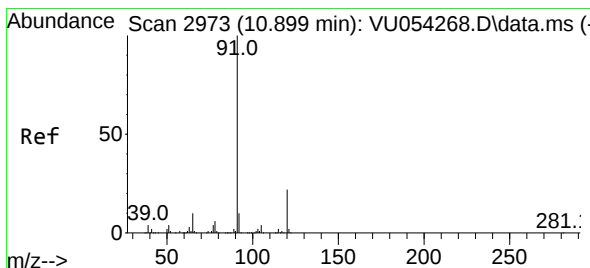
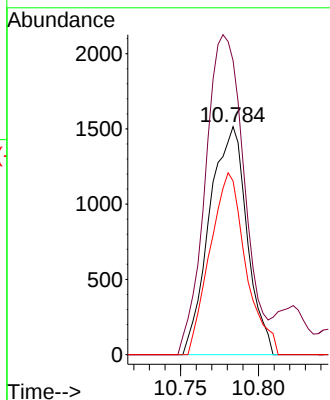
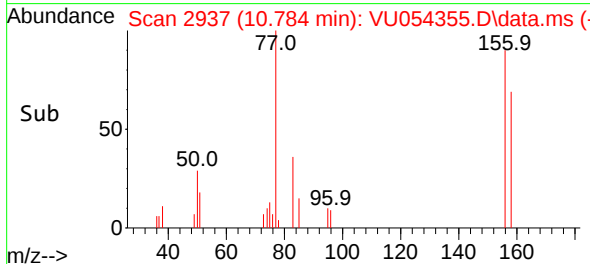
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



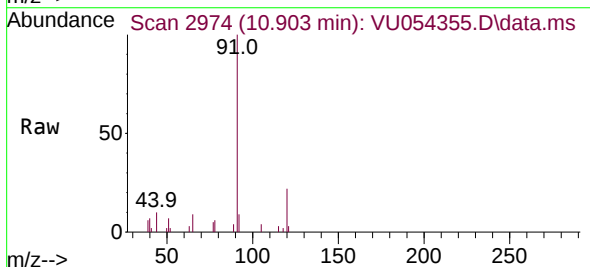
Tgt Ion:156 Resp: 2536
Ion Ratio Lower Upper
156 100
77 145.1 71.9 215.6
158 76.1 48.9 146.8

Manual Integrations
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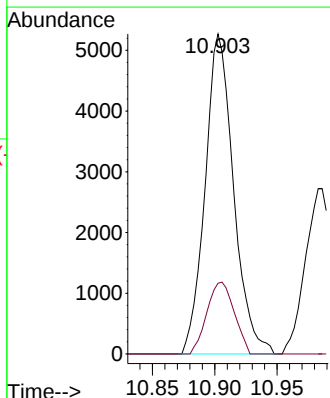
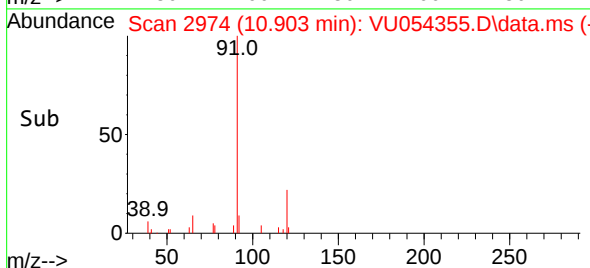
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

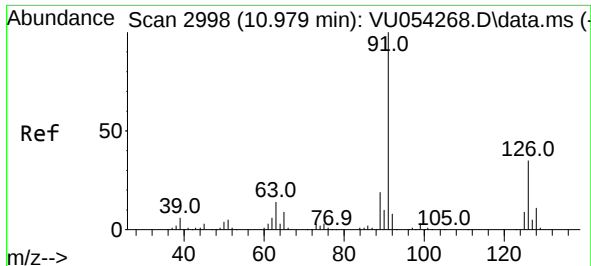


#78
n-propylbenzene
Concen: 0.534 ug/l
RT: 10.903 min Scan# 2974
Delta R.T. 0.004 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



Tgt Ion: 91 Resp: 8375
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.458 ug/l

RT: 10.983 min Scan# 2999

Delta R.T. 0.004 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL01

Tgt Ion: 91 Resp: 4350

Ion Ratio Lower Upper

91 100

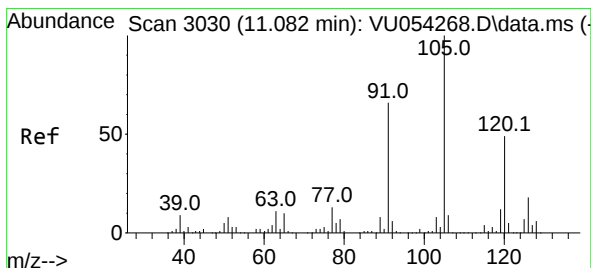
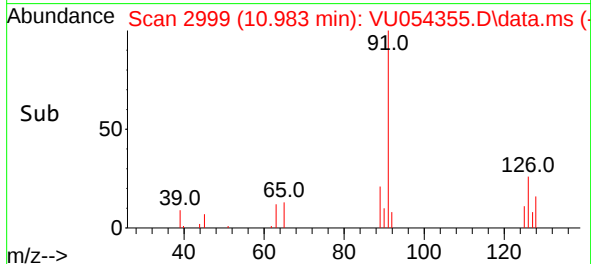
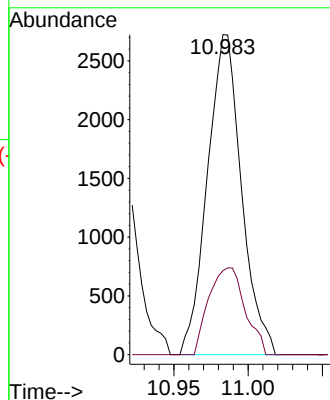
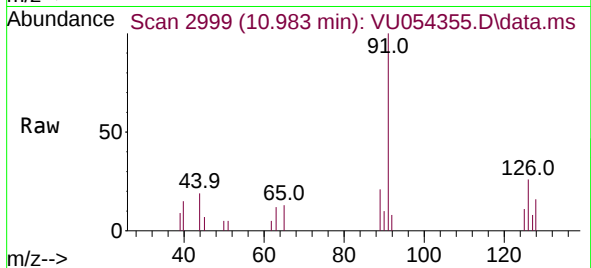
126 28.8 18.4 55.0

Manual Integrations

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Reviewed By :Krupa Patel 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#80

1,3,5-Trimethylbenzene

Concen: 0.352 ug/l

RT: 11.086 min Scan# 3031

Delta R.T. 0.004 min

Lab File: VU054355.D

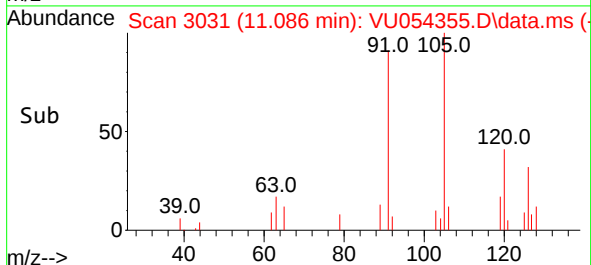
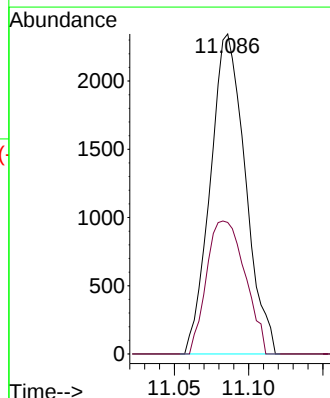
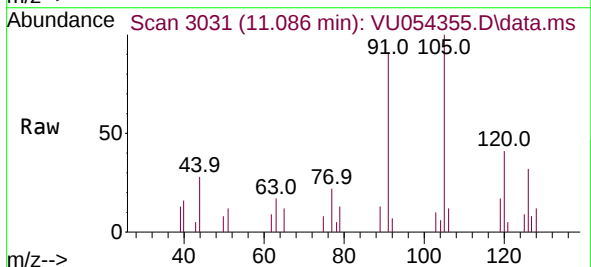
Acq: 31 May 2023 22:32

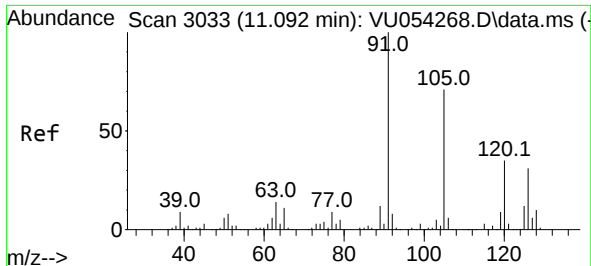
Tgt Ion:105 Resp: 3838

Ion Ratio Lower Upper

105 100

120 45.7 25.3 75.9





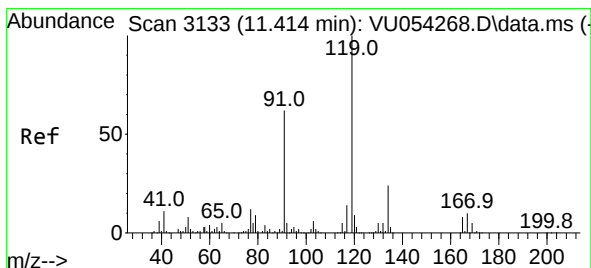
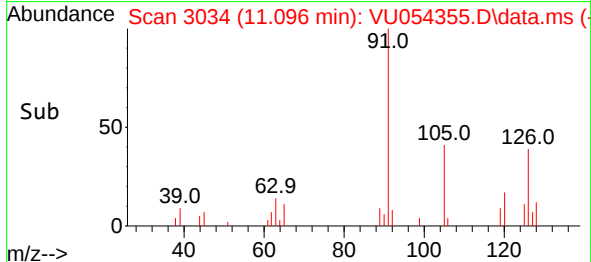
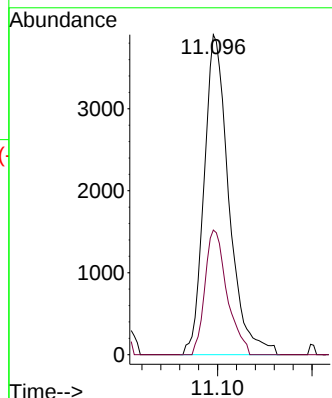
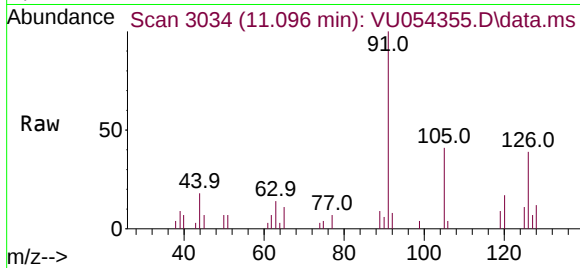
#82
4-Chlorotoluene
Concen: 0.638 ug/l
RT: 11.096 min Scan# 3033
Delta R.T. 0.004 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

Tgt Ion: 91 Resp: 7104
Ion Ratio Lower Upper
91 100
126 34.7 16.1 48.2

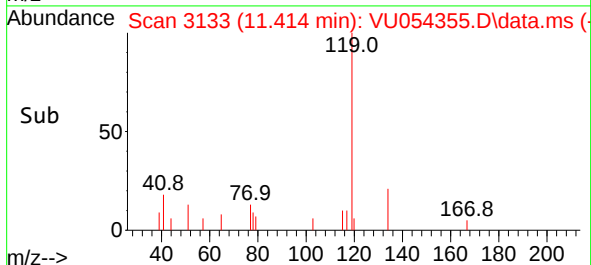
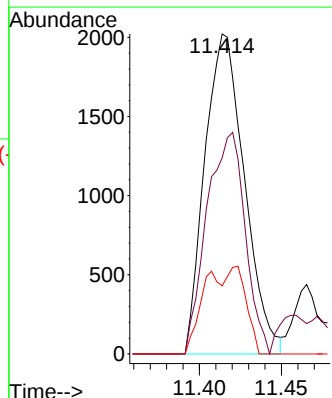
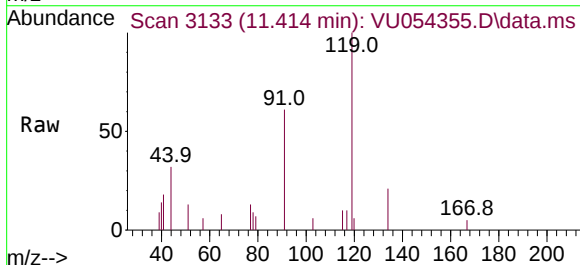
Manual Integrations
APPROVED

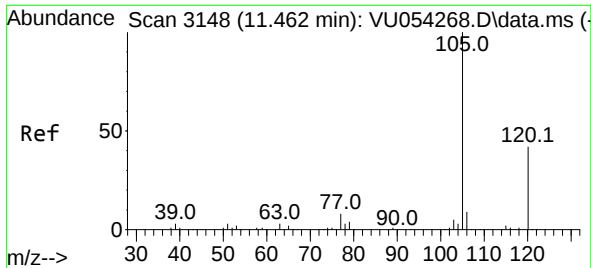
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#83
tert-Butylbenzene
Concen: 0.311 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

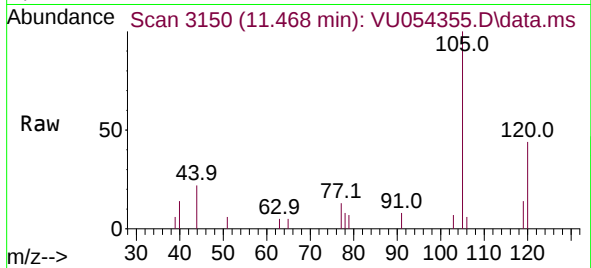
Tgt Ion:119 Resp: 3389
Ion Ratio Lower Upper
119 100
91 66.8 26.8 80.3
134 13.8 11.5 34.5





#84
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 11.468 min Scan# 3148
Delta R.T. 0.006 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

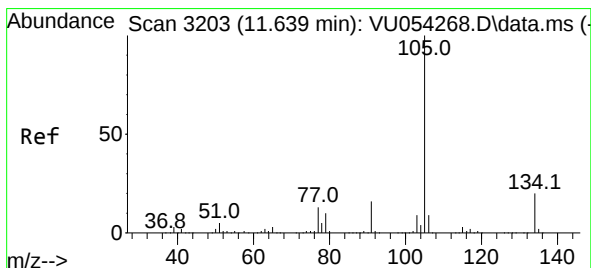
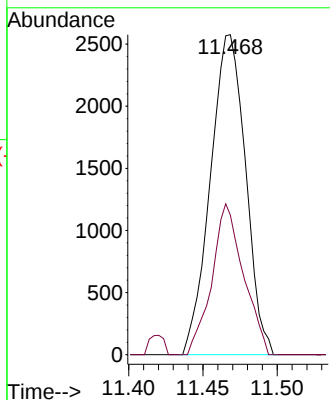
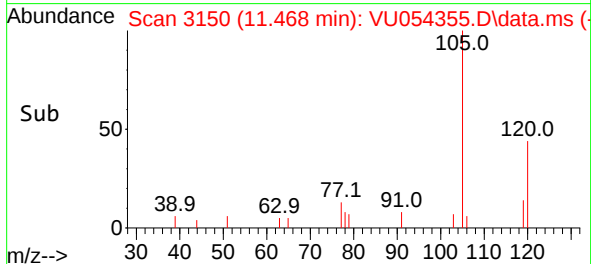
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



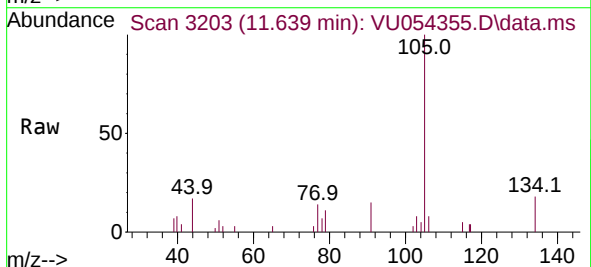
Tgt Ion:105 Resp: 4249
Ion Ratio Lower Upper
105 100
120 42.4 23.4 70.3

Manual Integrations
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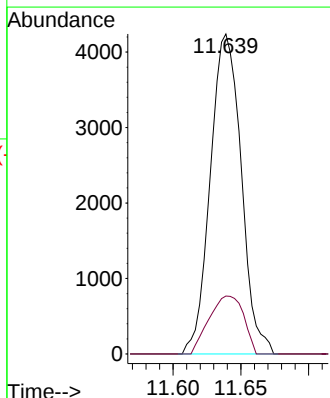
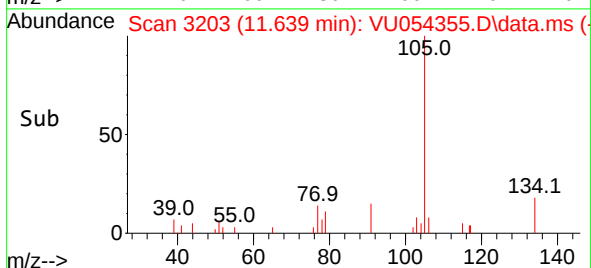
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

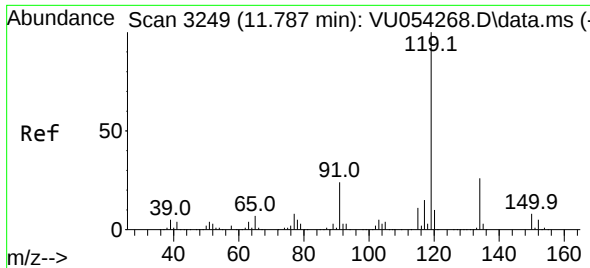


#85
sec-Butylbenzene
Concen: 0.486 ug/l
RT: 11.639 min Scan# 3203
Delta R.T. -0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



Tgt Ion:105 Resp: 6720
Ion Ratio Lower Upper
105 100
134 20.3 10.4 31.1





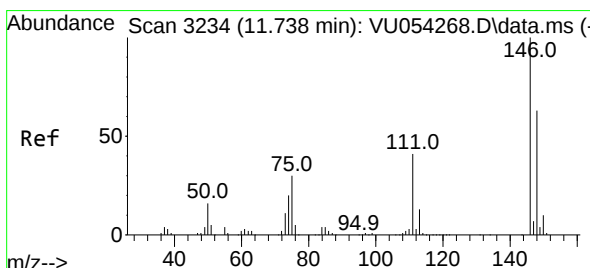
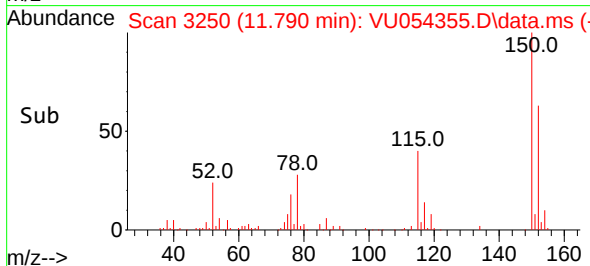
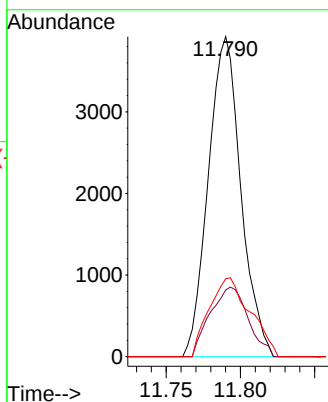
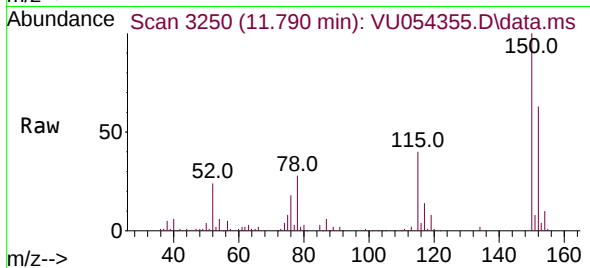
#86
p-Isopropyltoluene
Concen: 0.515 ug/l
RT: 11.790 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

Tgt Ion:119 Resp: 598
Ion Ratio Lower Upper
119 100
134 25.3 13.5 40.4
91 31.0 11.2 33.5

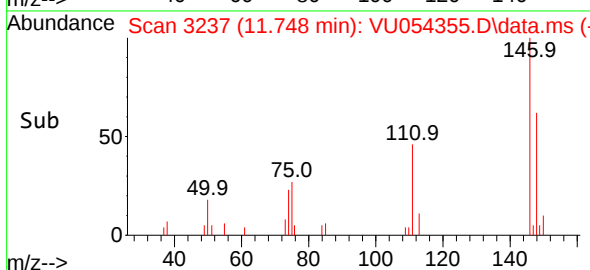
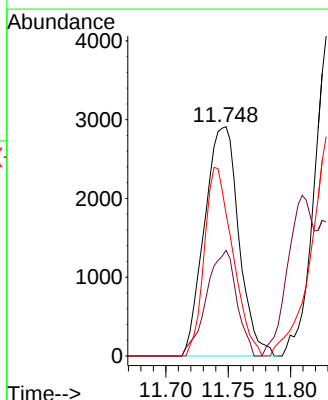
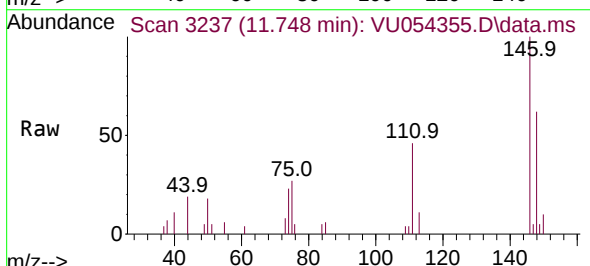
Manual Integrations
APPROVED

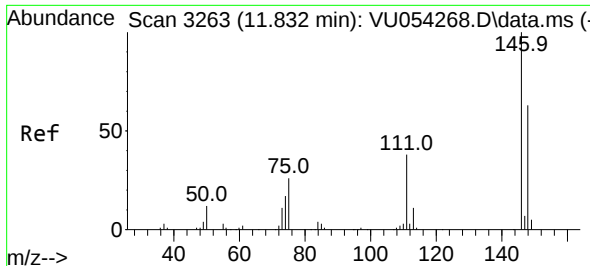
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#87
1,3-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. 0.010 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

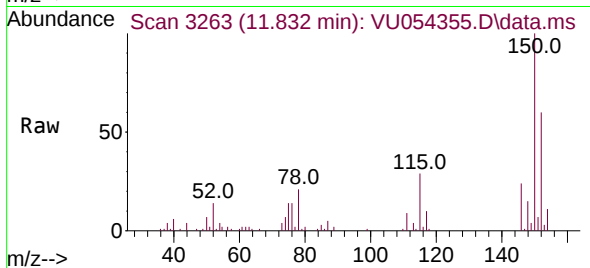
Tgt Ion:146 Resp: 5573
Ion Ratio Lower Upper
146 100
111 40.4 18.9 56.5
148 68.1 31.9 95.9





#88
1,4-Dichlorobenzene
Concen: 1.027 ug/l m
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

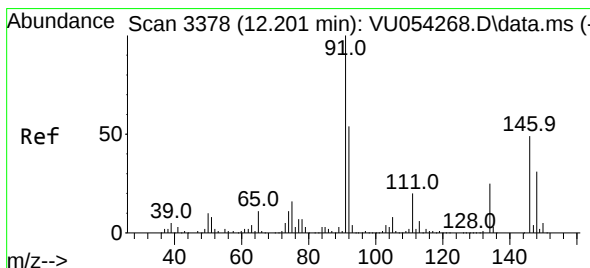
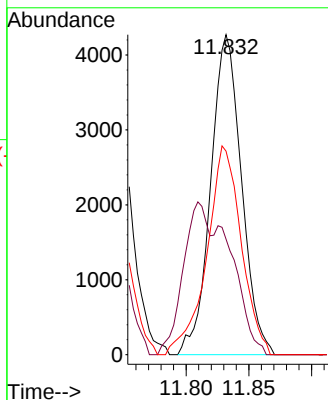
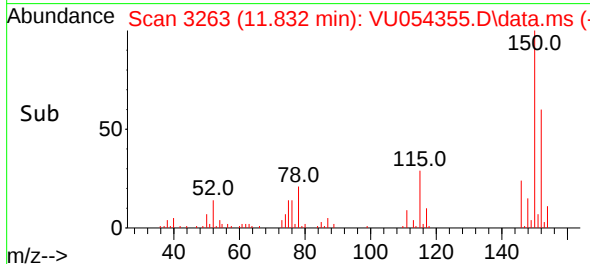
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



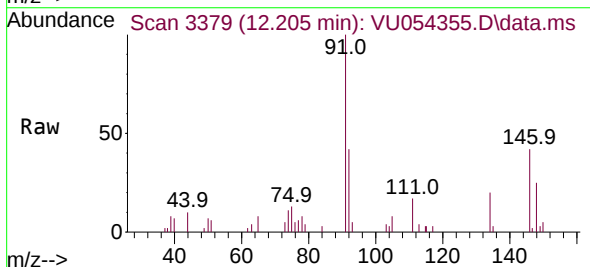
Tgt Ion:146 Resp: 7304
Ion Ratio Lower Upper
146 100
111 30.8 18.5 55.5
148 52.0 31.9 95.7

Manual Integrations
APPROVED

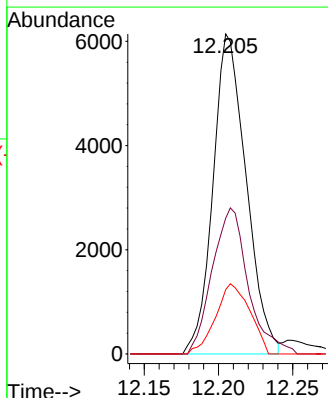
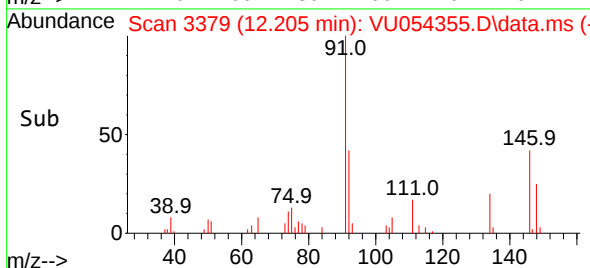
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

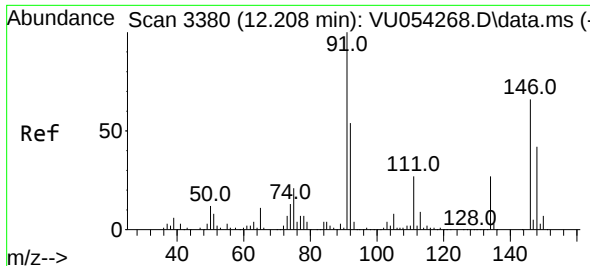


#89
n-Butylbenzene
Concen: 0.872 ug/l
RT: 12.205 min Scan# 3379
Delta R.T. 0.004 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



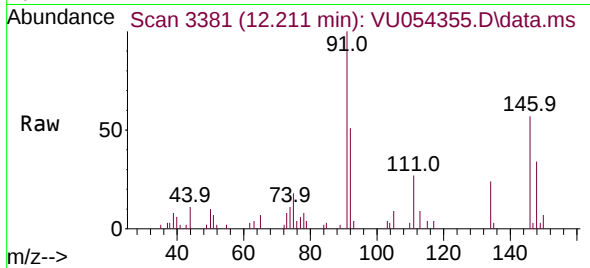
Tgt Ion: 91 Resp: 9533
Ion Ratio Lower Upper
91 100
92 49.4 26.2 78.6
134 22.7 13.5 40.4





#91
1,2-Dichlorobenzene
Concen: 0.795 ug/l
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32

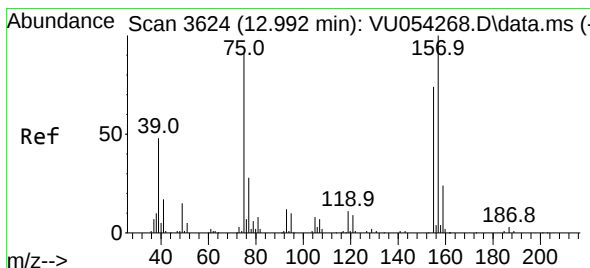
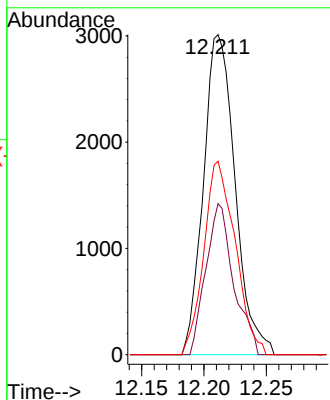
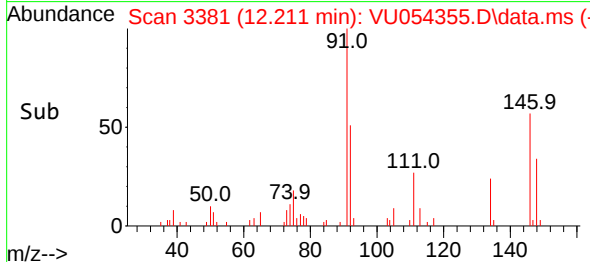
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01



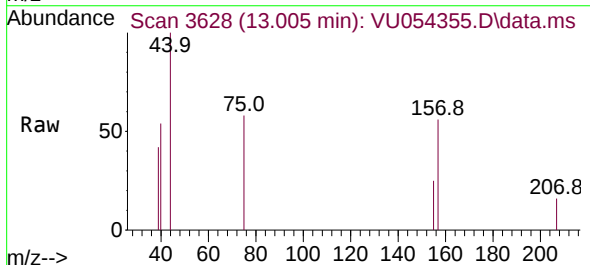
Tgt Ion:146 Resp: 532
Ion Ratio Lower Upper
146 100
111 41.3 19.9 59.6
148 59.9 32.1 96.5

Manual Integrations
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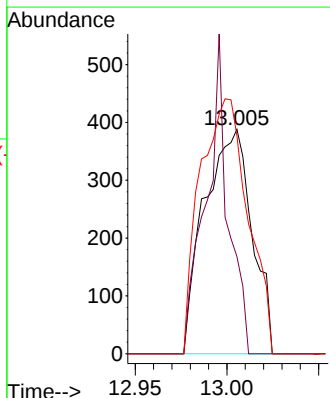
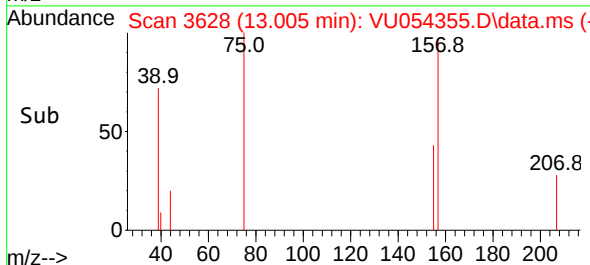
Reviewed By :Krupa Patel 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

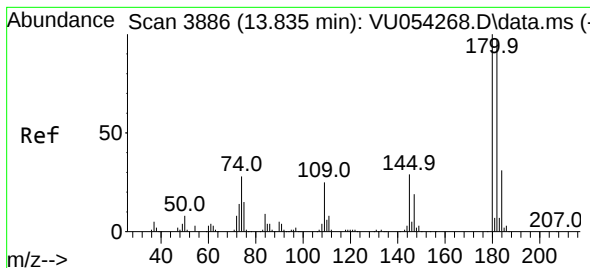


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.590 ug/l
RT: 13.005 min Scan# 3628
Delta R.T. 0.013 min
Lab File: VU054355.D
Acq: 31 May 2023 22:32



Tgt Ion: 75 Resp: 697
Ion Ratio Lower Upper
75 100
155 66.0 47.8 143.4
157 114.8 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 3.083 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL01

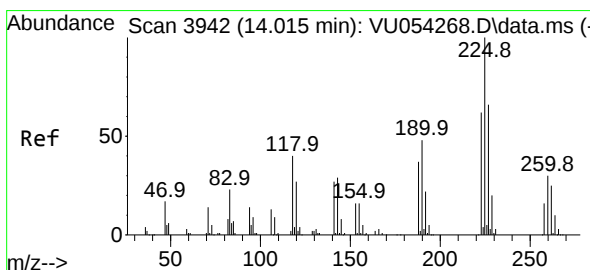
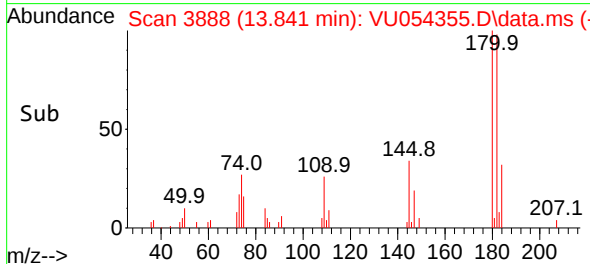
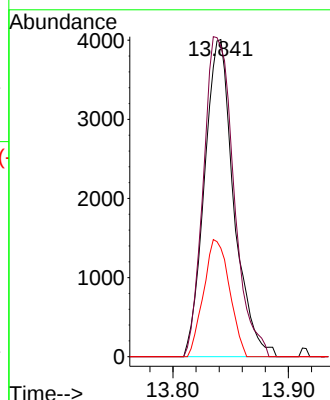
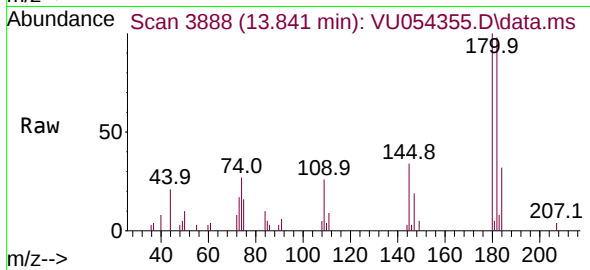
Tgt Ion:	180	Resp:	7080
Ion Ratio	Lower	Upper	
180	100		
182	104.5	47.9	143.6
145	32.4	14.0	41.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#94

Hexachlorobutadiene

Concen: 1.840 ug/l

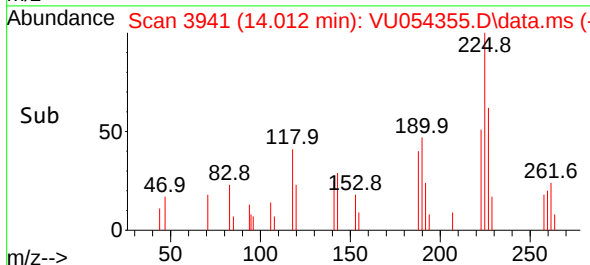
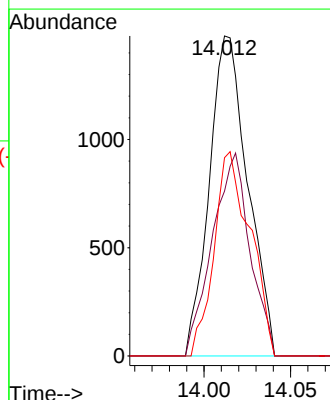
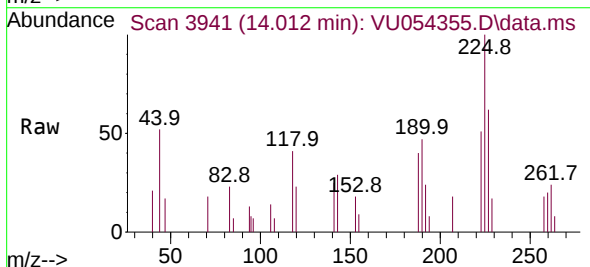
RT: 14.012 min Scan# 3941

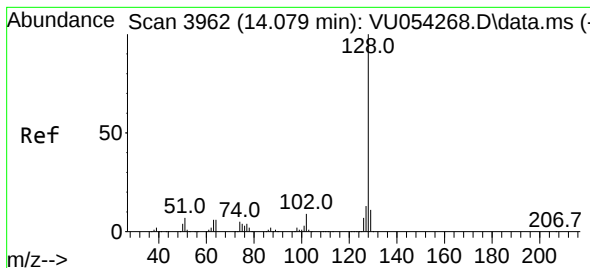
Delta R.T. -0.003 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Tgt Ion:	225	Resp:	2285
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.3	93.9
227	60.0	32.0	96.2





#95

Naphthalene

Concen: 3.831 ug/l

RT: 14.086 min Scan# 3962

Delta R.T. 0.007 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL01

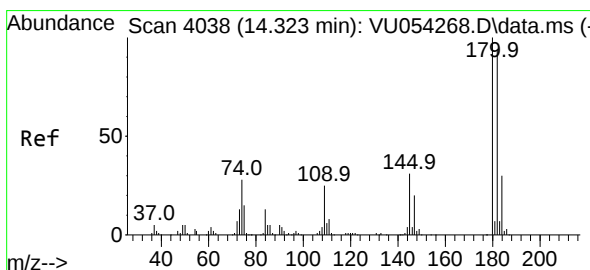
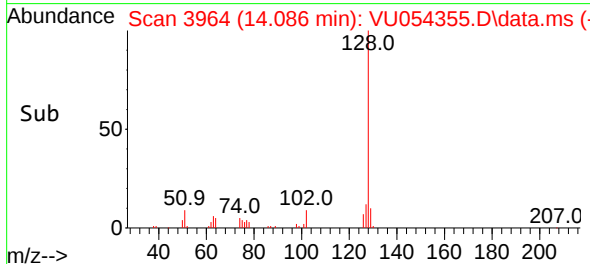
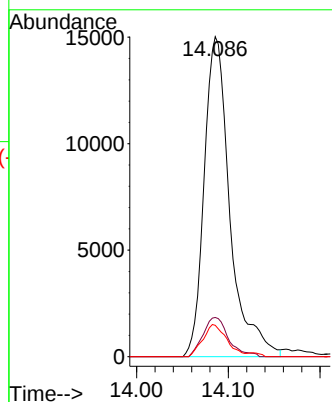
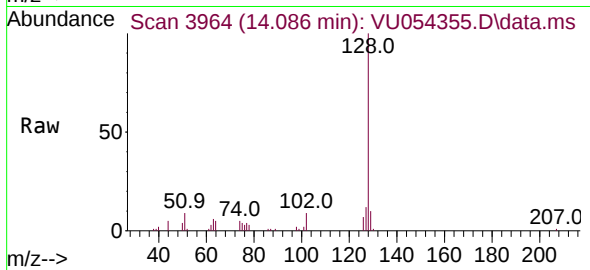
Tgt Ion:128	Resp:	2929
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.3 15.5
129	9.3	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#96

1,2,3-Trichlorobenzene

Concen: 3.069 ug/l

RT: 14.327 min Scan# 4039

Delta R.T. 0.004 min

Lab File: VU054355.D

Acq: 31 May 2023 22:32

Tgt Ion:180	Resp:	8770
Ion Ratio	Lower	Upper
180	100	
182	93.4	48.4 145.0
145	28.5	14.8 44.4

