

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053452.D
 Acq On : 28 Mar 2023 22:56
 Operator : JC/MD
 Sample : 02037-01DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E4DL

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/31/2023
 Supervised By :Mahesh Dadoda 03/31/2023

Quant Time: Mar 29 04:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	203019	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	194045	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	92349	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	80308	42.878	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.760%		
7) Chloroethane-d5	1.913	69	66056	43.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.200%		
11) 1,1-Dichloroethene-d2	2.565	63	102837	31.695	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.400%		
21) 2-Butanone-d5	4.623	46	106195	122.247	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	122.250%		
24) Chloroform-d	5.057	84	134187	43.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.000%		
26) 1,2-Dichloroethane-d4	5.697	65	92999	48.542	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.080%		
32) Benzene-d6	5.723	84	279133	44.350	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.700%		
36) 1,2-Dichloropropane-d6	6.684	67	95102	46.818	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.640%		
41) Toluene-d8	7.893	98	254188	43.378	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.760%		
43) trans-1,3-Dichloroprop...	8.176	79	42052	41.958	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.920%		
47) 2-Hexanone-d5	8.626	63	60553	95.349	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.350%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	127066	48.288	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.580%		
66) 1,2-Dichlorobenzene-d4	12.189	152	94689	52.954	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.900%		
Target Compounds					Qvalue	
13) Acetone	2.636	43	14816	14.975	ug/L	87
17) trans-1,2-Dichloroethene	3.353	96	1780m	1.177	ug/L	
19) 1,1-Dichloroethane	3.864	63	191975	62.168	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	128012	72.045	ug/L	100
22) 2-Butanone	4.716	43	7190m	6.379	ug/L	
30) 1,1,1-Trichloroethane	5.311	97	89035	33.662	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	6250	3.240	ug/L #	71
42) Toluene	7.964	91	120461	16.656	ug/L	98
46) Tetrachloroethene	8.556	164	1951m	1.710	ug/L	
52) Ethylbenzene	9.565	91	18027	2.198	ug/L	99
53) m,p-Xylene	9.687	106	37151	12.136	ug/L	98
54) o-Xylene	10.096	106	21391	7.065	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	15108	2.501	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	37241	6.326	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	10044	3.284	ug/L	98

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

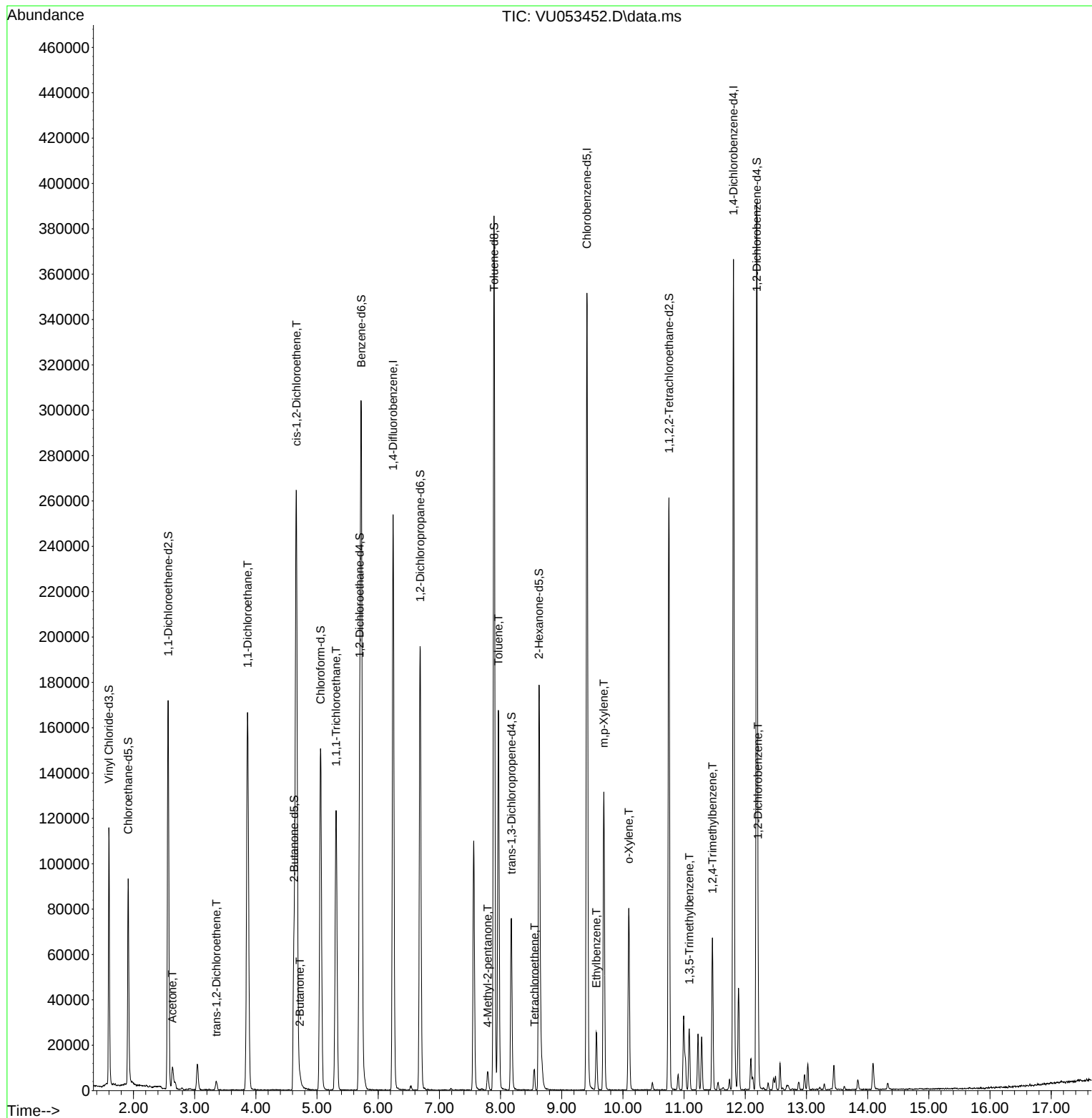
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
Data File : VU053452.D
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Operator : JC/MD
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Misc : 5.0mL/MSVOA_U/WATER
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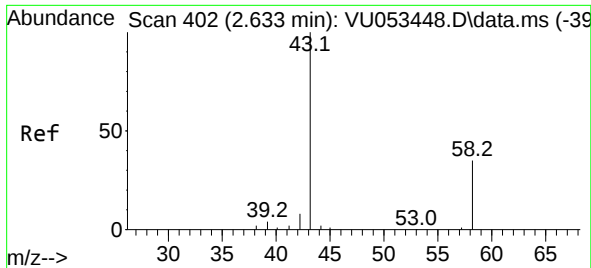
Instrument :
MSVOA_U
ClientSampleId :
E45E4DL

Quant Time: Mar 29 04:18:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
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#13

Acetone

Concen: 14.975 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.004 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

E45E4DL

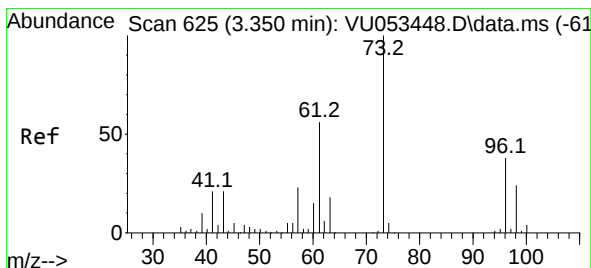
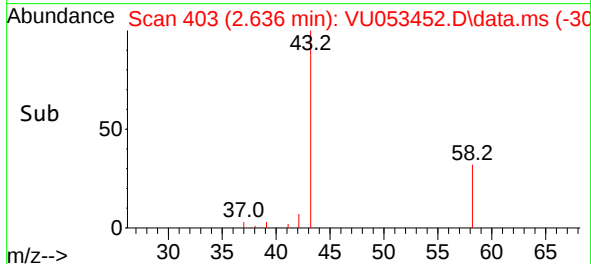
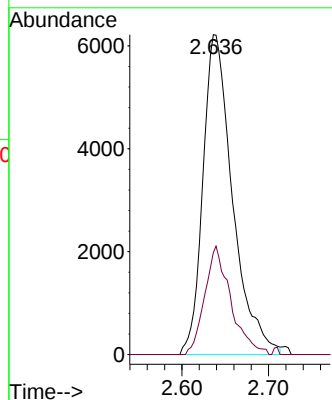
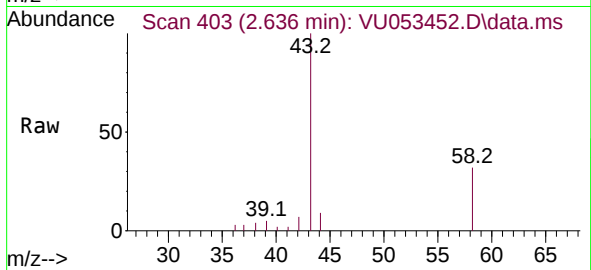
Tgt Ion: 43 Resp: 14816
 Ion Ratio Lower Upper
 43 100
 58 29.7 0.0 75.0

Manual Integrations

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Supervised By :Mahesh Dadoda 03/31/2023



#17

trans-1,2-Dichloroethene

Concen: 1.177 ug/L m

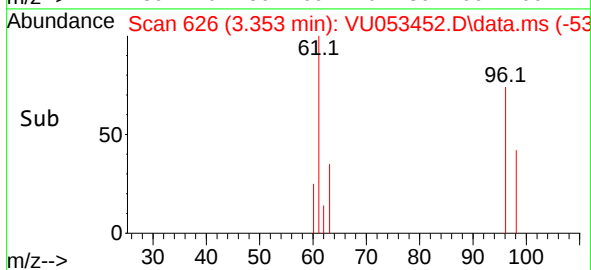
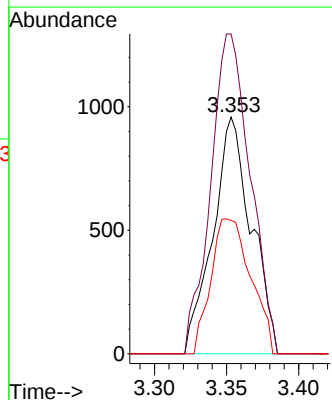
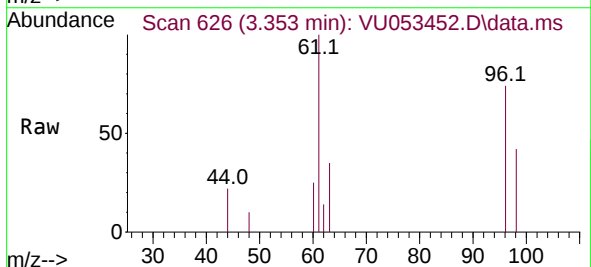
RT: 3.353 min Scan# 626

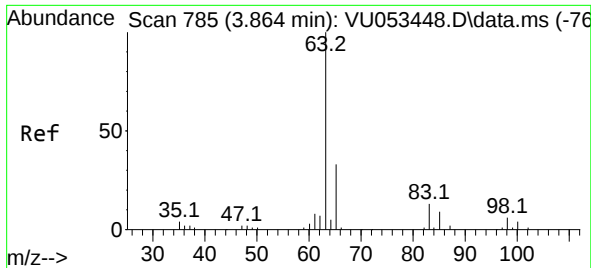
Delta R.T. 0.004 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

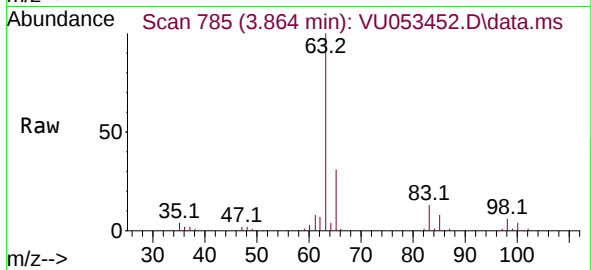
Tgt Ion: 96 Resp: 1780
 Ion Ratio Lower Upper
 96 100
 61 135.2 99.6 185.0
 98 56.4 45.5 84.5





#19
1,1-Dichloroethane
Concen: 62.168 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

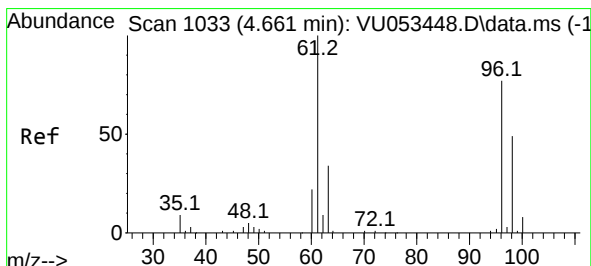
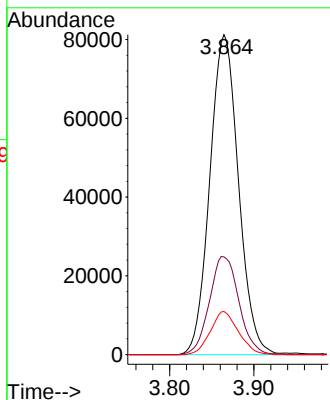
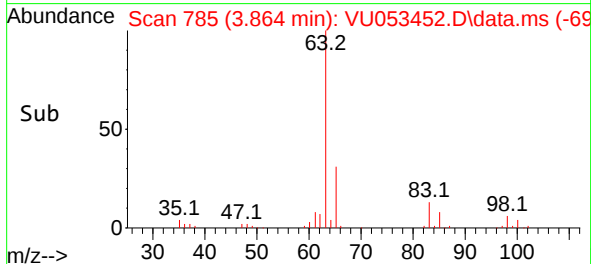
Instrument :
MSVOA_U
Client Sample Id :
E45E4DL



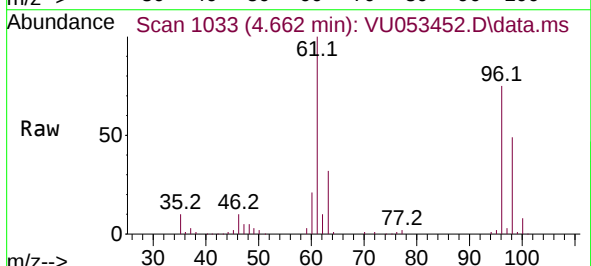
Tgt Ion: 63 Resp: 191975
Ion Ratio Lower Upper
63 100
65 30.5 22.8 42.4
83 13.5 9.4 17.6

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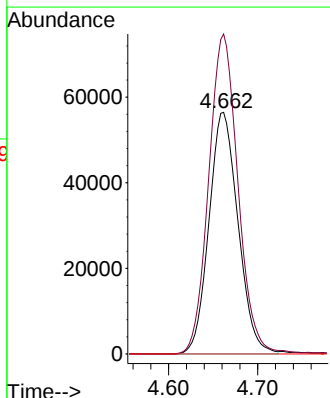
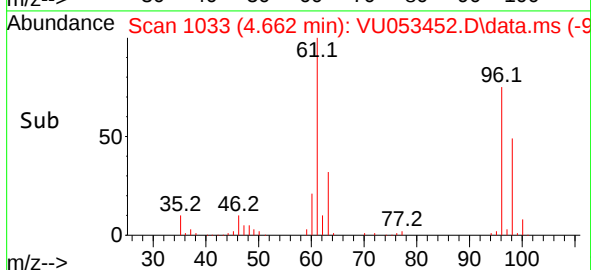
Reviewed By :Krupa Patel 03/31/2023
Supervised By :Mahesh Dadoda 03/31/2023

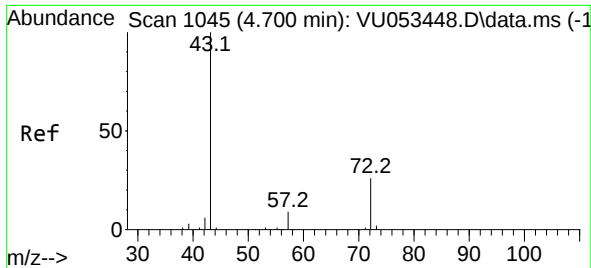


#20
cis-1,2-Dichloroethene
Concen: 72.045 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56



Tgt Ion: 96 Resp: 128012
Ion Ratio Lower Upper
96 100
61 132.5 92.5 171.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.379 ug/L m

RT: 4.716 min Scan# 1050

Delta R.T. 0.016 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

E45E4DL

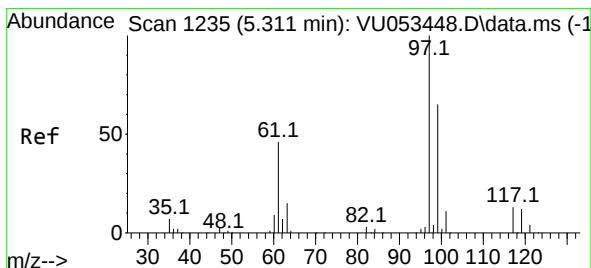
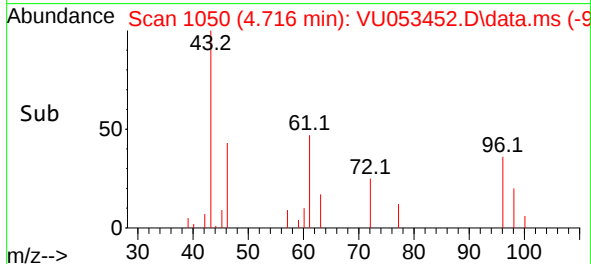
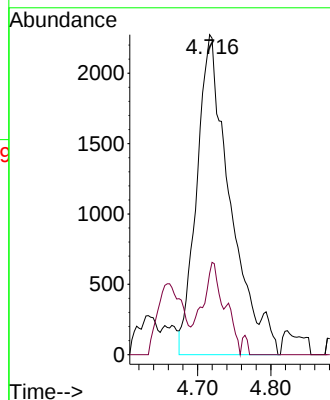
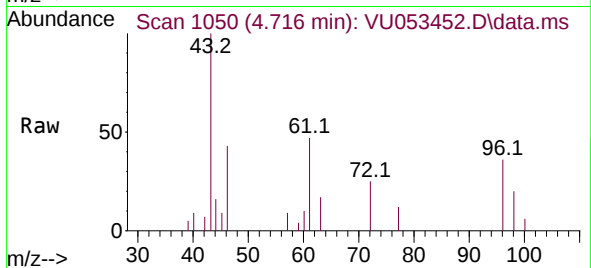
Tgt Ion: 43 Resp: 7190
 Ion Ratio Lower Upper
 43 100
 72 1.0 16.0 47.9

Manual Integrations

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Supervised By :Mahesh Dadoda 03/31/2023



#30

1,1,1-Trichloroethane

Concen: 33.662 ug/L

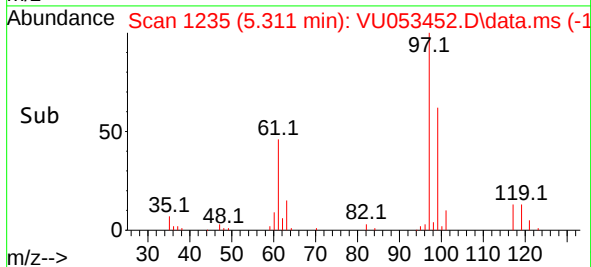
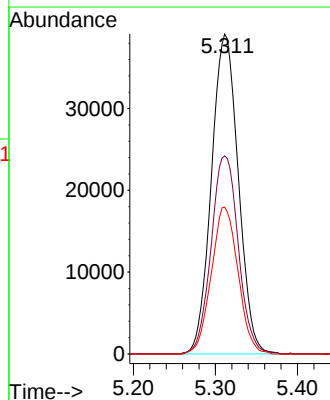
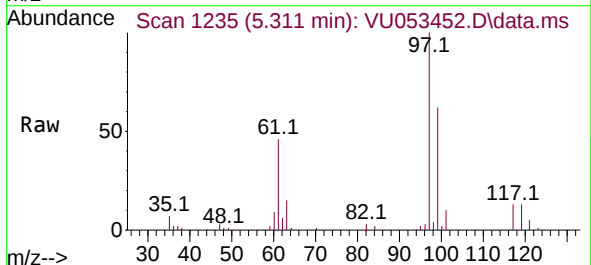
RT: 5.311 min Scan# 1235

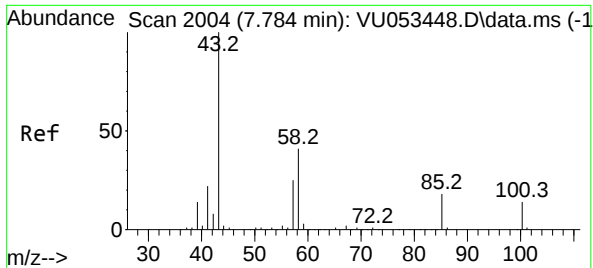
Delta R.T. 0.000 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

Tgt Ion: 97 Resp: 89035
 Ion Ratio Lower Upper
 97 100
 99 62.7 50.6 76.0
 61 45.7 36.0 54.0





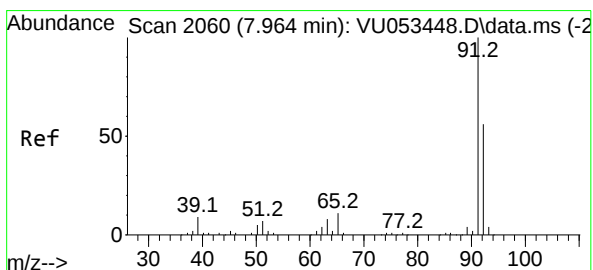
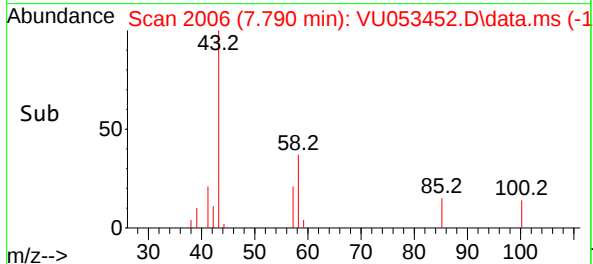
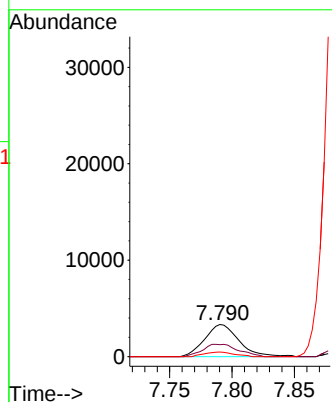
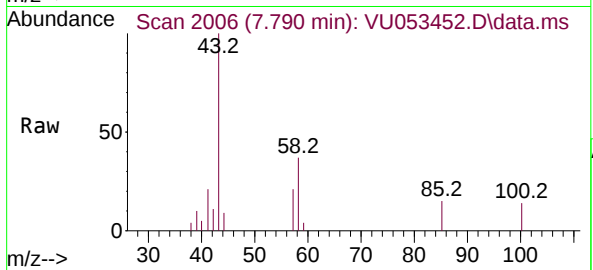
#40
4-Methyl-2-pentanone
Concen: 3.240 ug/L
RT: 7.790 min Scan# 2006
Delta R.T. 0.007 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

Instrument :
MSVOA_U
ClientSampleId :
E45E4DL

Tgt Ion: 43 Resp: 6250
Ion Ratio Lower Upper
43 100
58 21.1 35.8 53.6
100 12.5 13.0 19.6

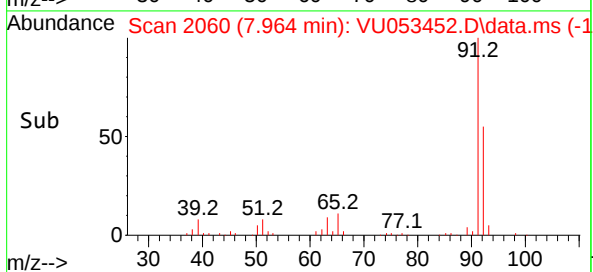
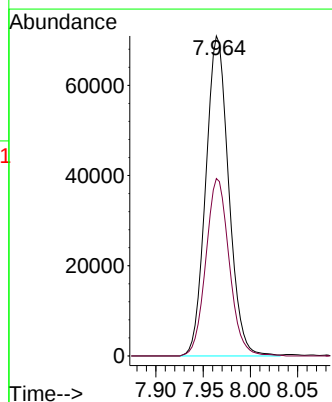
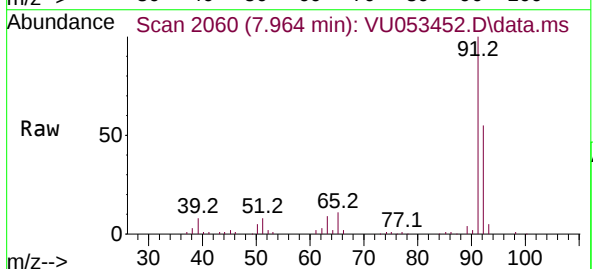
Manual Integrations
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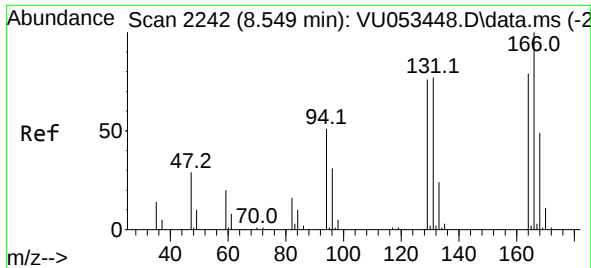
Reviewed By :Krupa Patel 03/31/2023
Supervised By :Mahesh Dadoda 03/31/2023



#42
Toluene
Concen: 16.656 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

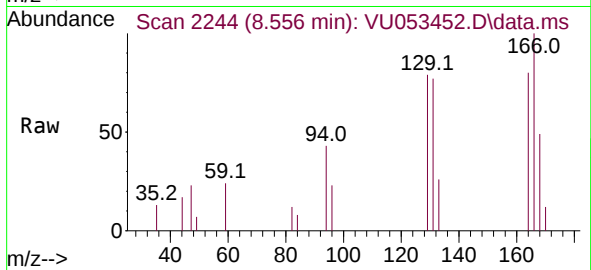
Tgt Ion: 91 Resp: 120461
Ion Ratio Lower Upper
91 100
92 55.4 39.6 73.6





#46
Tetrachloroethene
Concen: 1.710 ug/L m
RT: 8.556 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

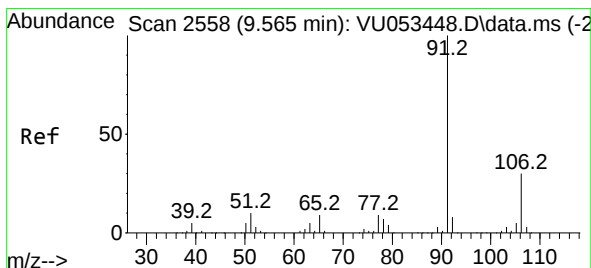
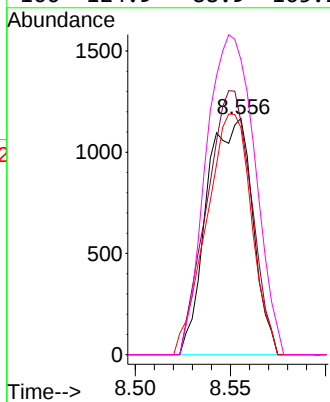
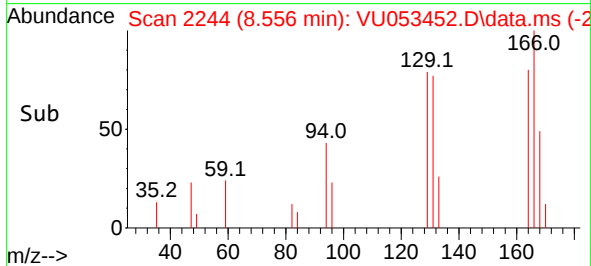
Instrument :
MSVOA_U
ClientSampleId :
E45E4DL



Tgt Ion:164 Resp: 195
Ion Ratio Lower Upper
164 100
129 98.6 73.6 136.8
131 96.1 70.3 130.7
166 124.9 88.9 165.1

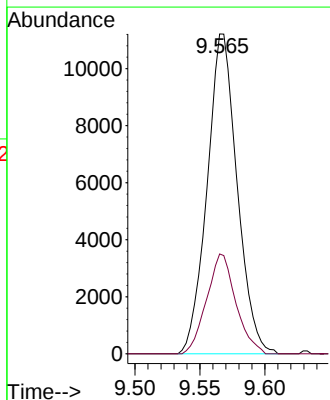
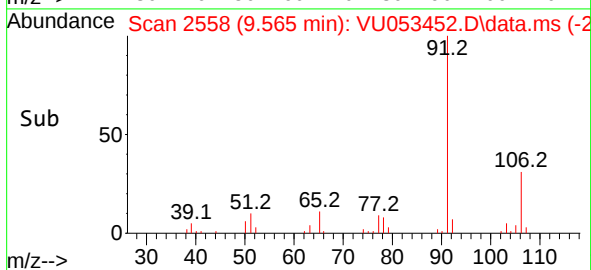
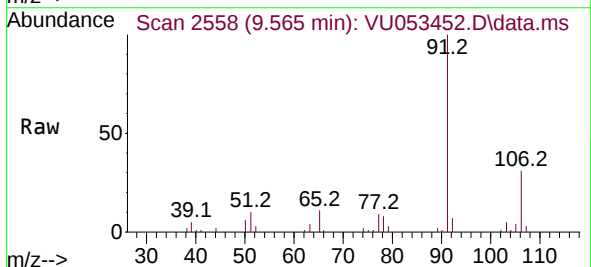
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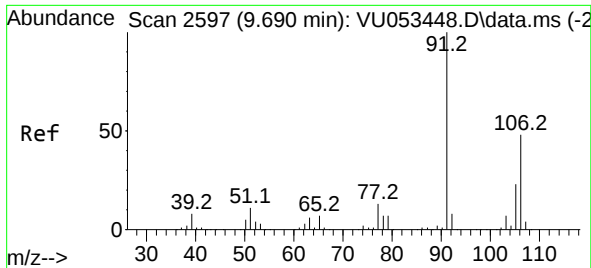
Reviewed By :Krupa Patel 03/31/2023
Supervised By :Mahesh Dadoda 03/31/2023



#52
Ethylbenzene
Concen: 2.198 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

Tgt Ion: 91 Resp: 18027
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0





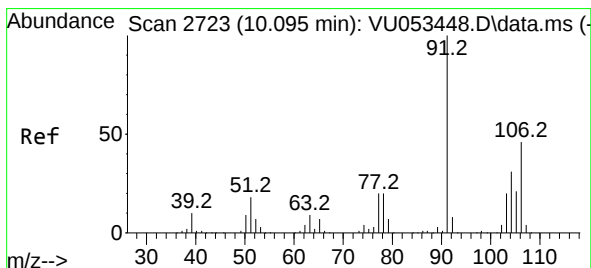
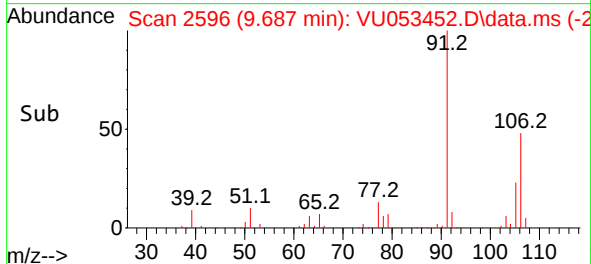
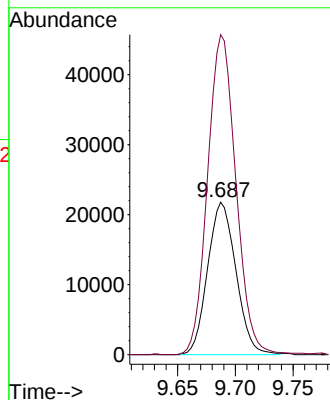
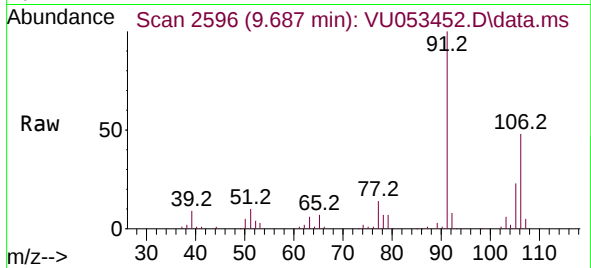
#53
m,p-Xylene
Concen: 12.136 ug/L
RT: 9.687 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

Instrument :
MSVOA_U
ClientSampleId :
E45E4DL

Tgt Ion:106 Resp: 3715
Ion Ratio Lower Upper
106 100
91 209.9 145.3 269.8

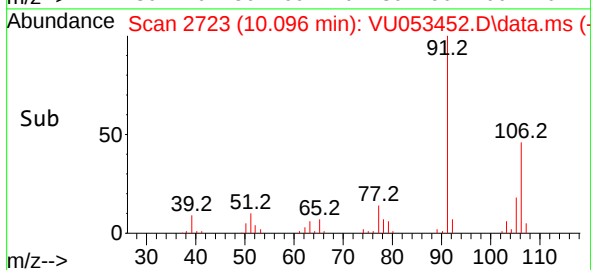
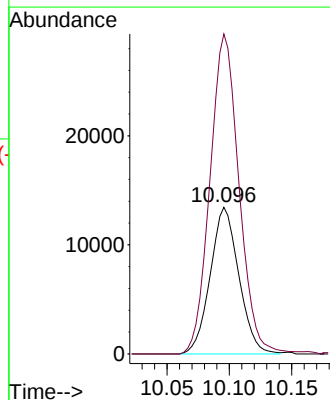
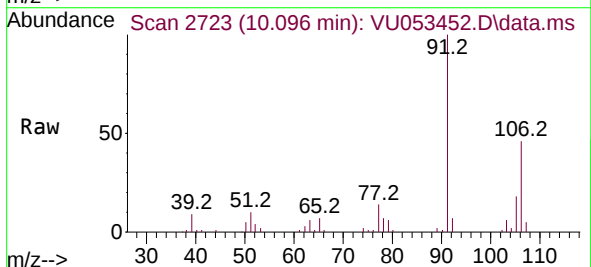
Manual Integrations
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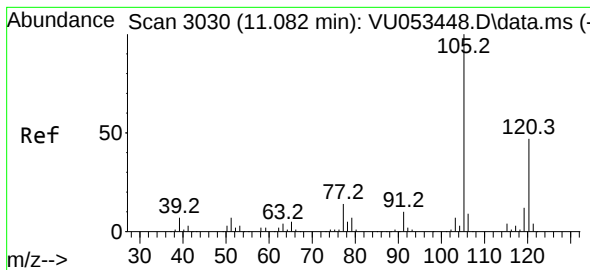
Reviewed By :Krupa Patel 03/31/2023
Supervised By :Mahesh Dadoda 03/31/2023



#54
o-Xylene
Concen: 7.065 ug/L
RT: 10.096 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053452.D
Acq: 28 Mar 2023 22:56

Tgt Ion:106 Resp: 21391
Ion Ratio Lower Upper
106 100
91 218.2 154.9 287.7





#62

1,3,5-Trimethylbenzene

Concen: 2.501 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

E45E4DL

Tgt Ion:105 Resp: 15108

Ion Ratio Lower Upper

105 100

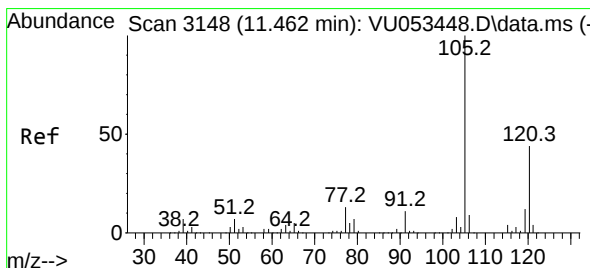
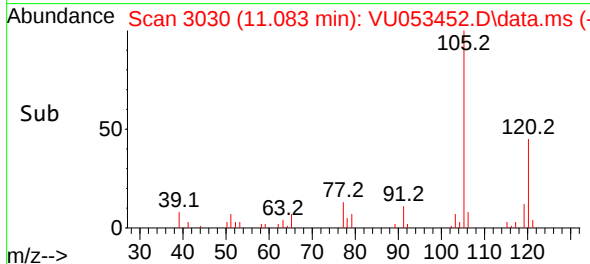
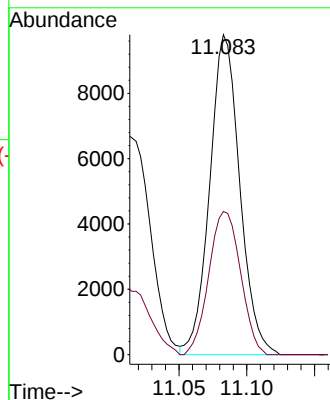
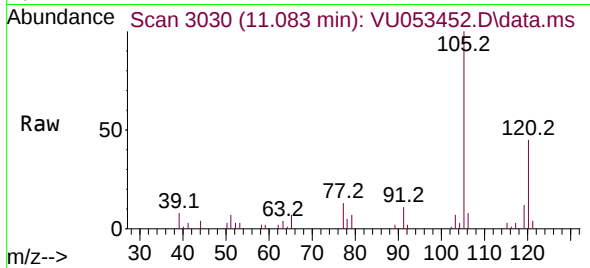
120 47.2 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/31/2023

Supervised By :Mahesh Dadoda 03/31/2023



#63

1,2,4-Trimethylbenzene

Concen: 6.326 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053452.D

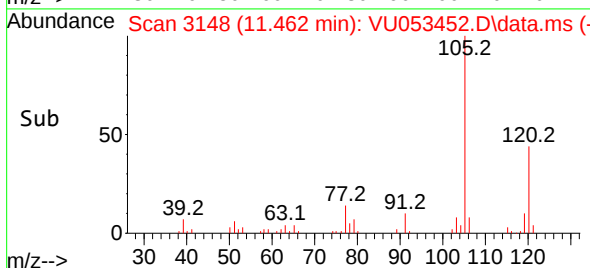
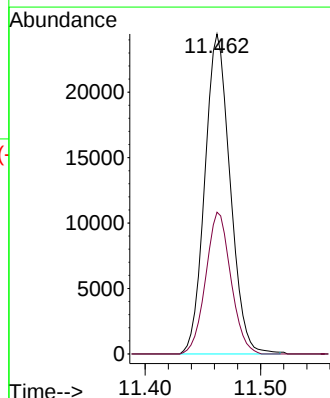
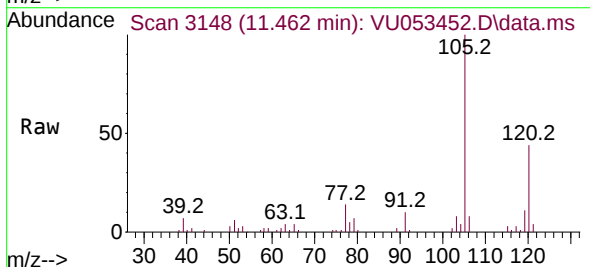
Acq: 28 Mar 2023 22:56

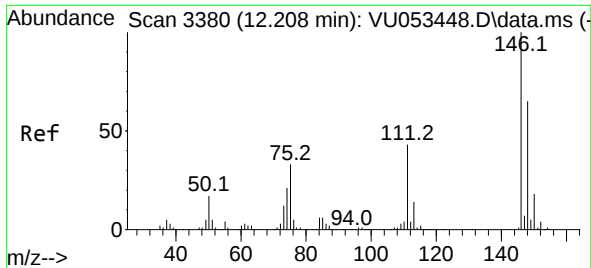
Tgt Ion:105 Resp: 37241

Ion Ratio Lower Upper

105 100

120 43.9 34.6 52.0





#67

1,2-Dichlorobenzene

Concen: 3.284 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053452.D

Acq: 28 Mar 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

E45E4DL

Tgt Ion:146 Resp: 10044

Ion Ratio Lower Upper

146 100

111 47.9 37.0 55.4

148 64.9 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/31/2023

Supervised By :Mahesh Dadoda 03/31/2023

