

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040404.D
 Acq On : 11 May 2023 17:22
 Operator : SY/MD
 Sample : 02748-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-04-20230510

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:55:09 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2023

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	985530	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2567031	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2222084	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1723606	9.380	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.710	85	56100	0.316	ppbv	96
3) Chlorodifluoromethane	2.652	51	61129m	0.475	ppbv	
4) Chloromethane	2.796	50	33755	0.415	ppbv	90
11) Trichlorofluoromethane	3.546	101	65060	0.362	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.050	101	8102	0.064	ppbv	97
13) Ethanol	3.218	45	297978	70.158	ppbv	97
15) Acetone	3.449	43	768688	5.507	ppbv	90
19) Isopropyl Alcohol	3.565	45	314443m	4.937	ppbv	
20) Methylene Chloride	3.919	84	395892	7.104	ppbv	97
26) Hexane	5.202	57	356210	3.597	ppbv #	39
34) 2-Butanone	4.774	43	258767	1.869	ppbv	98
35) Carbon Tetrachloride	6.484	117	11082m	0.061	ppbv	
36) Benzene	6.362	78	58395	0.279	ppbv	96
44) 2,2,4-Trimethylpentane	7.320	57	91321	0.261	ppbv #	77
52) Tetrachloroethene	10.616	164	4017m	0.061	ppbv	
53) Toluene	9.217	91	204045	0.919	ppbv	99
58) Ethyl Benzene	12.079	91	29103m	0.106	ppbv	
59) m/p-Xylene	12.349	91	84109m	0.335	ppbv	
60) o-Xylene	13.057	91	32193m	0.133	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	35836	0.127	ppbv #	58
76) 1,4-Dichlorobenzene	16.478	146	14562	0.096	ppbv	87

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

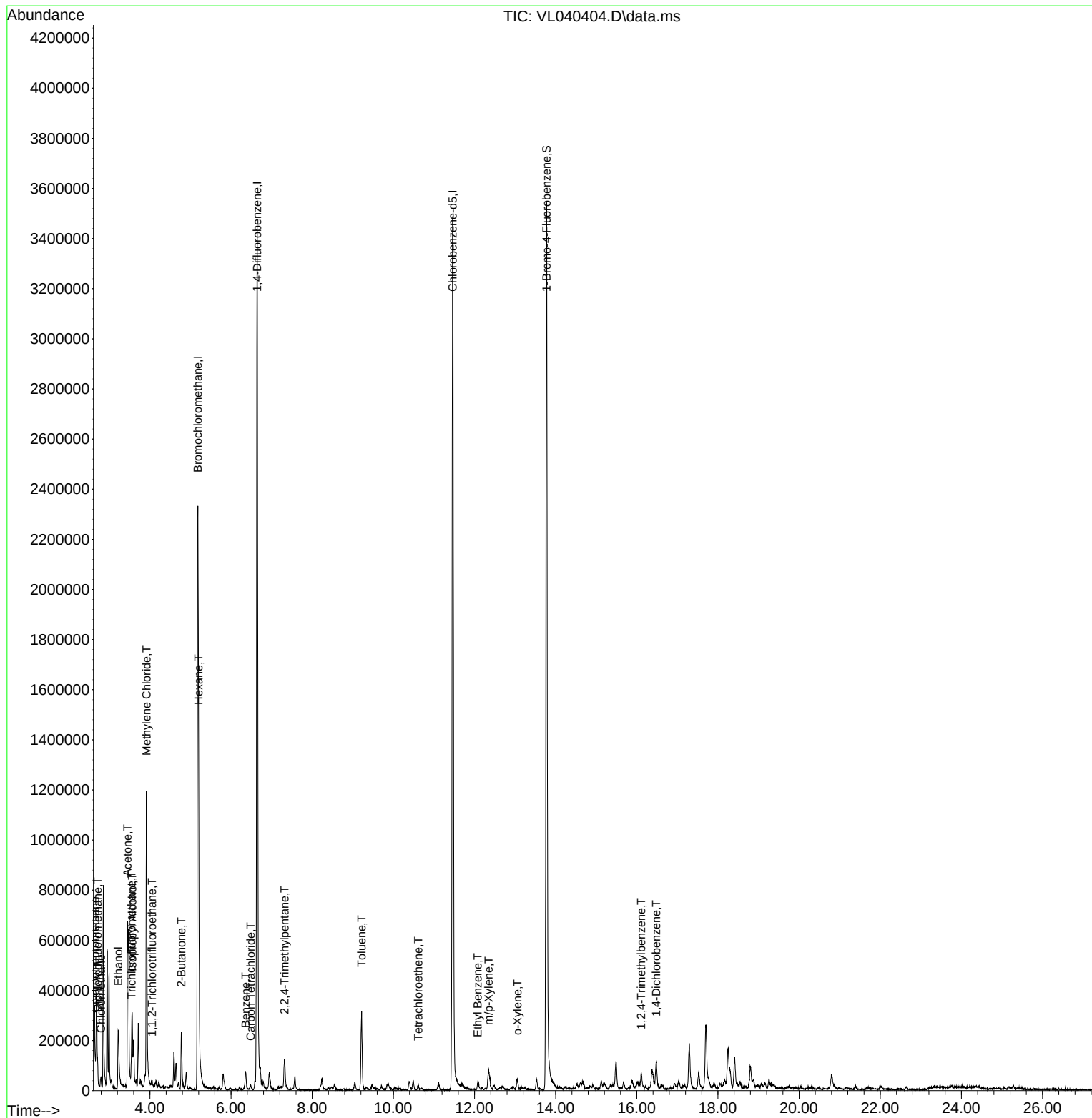
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
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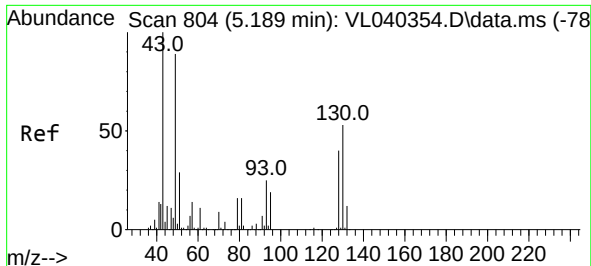
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510

Quant Time: May 12 05:55:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Manual Integrations
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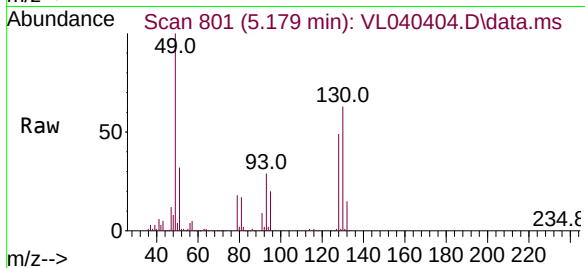
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

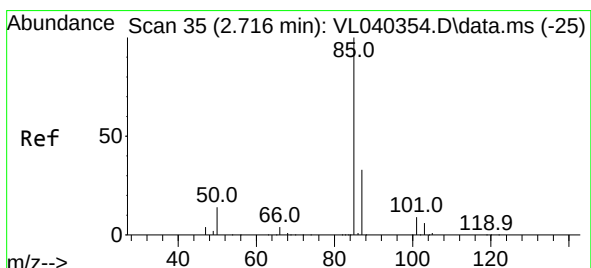
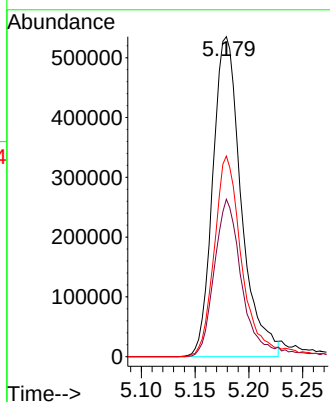
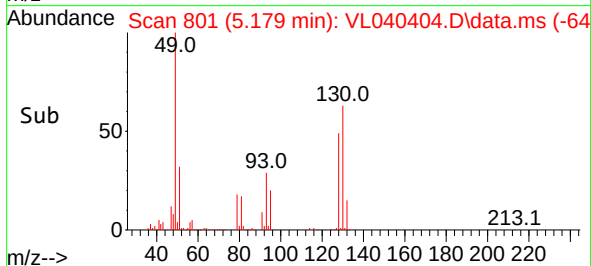
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 49 Resp: 985530
Ion Ratio Lower Upper
49 100
128 49.8 23.7 71.1
130 63.0 29.9 89.8

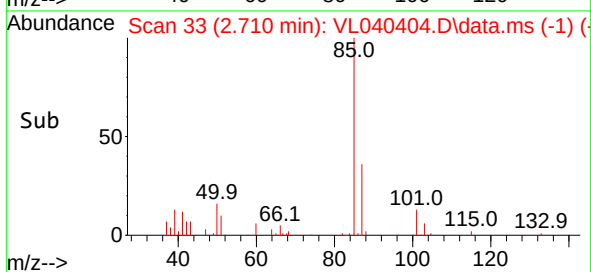
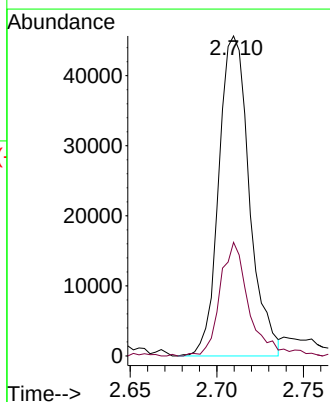
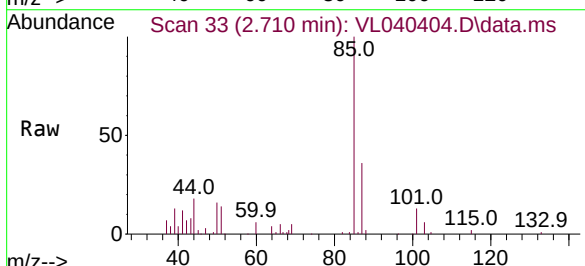
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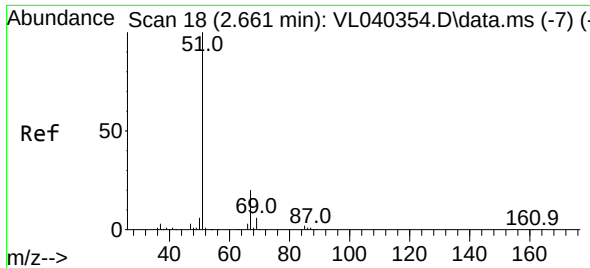
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.316 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

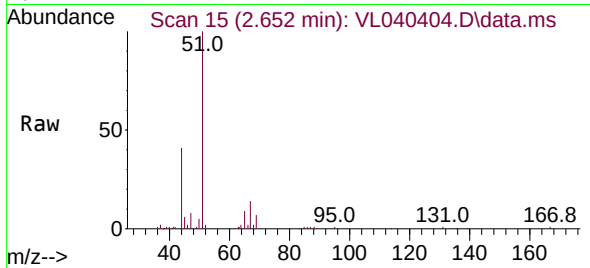
Tgt Ion: 85 Resp: 56100
Ion Ratio Lower Upper
85 100
87 35.5 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.475 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

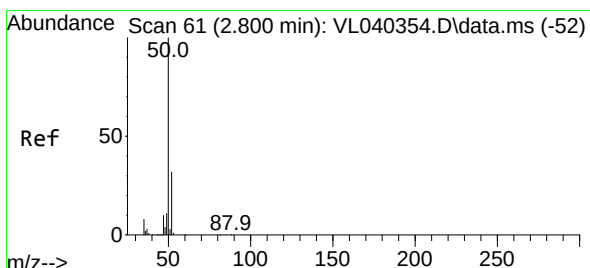
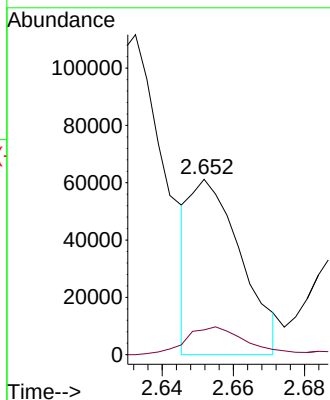
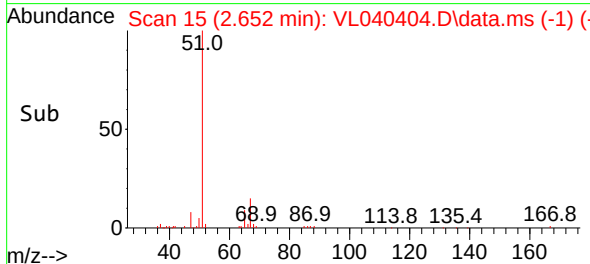
Instrument :
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SV-04-20230510



Tgt Ion: 51 Resp: 61129
Ion Ratio Lower Upper
51 100
67 0.0 15.5 23.3

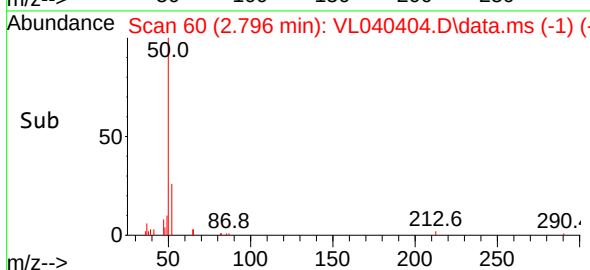
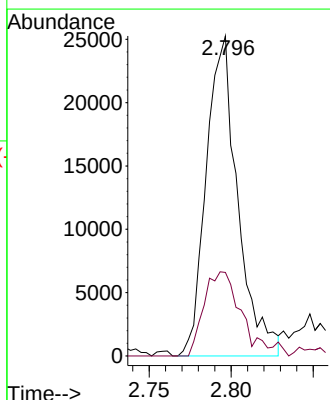
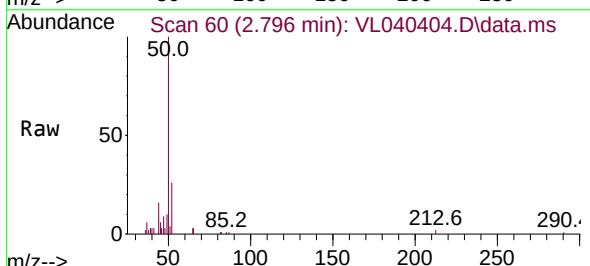
Manual Integrations
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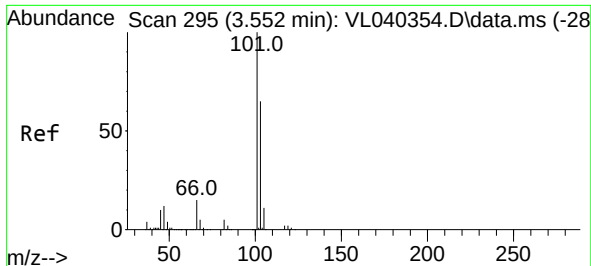
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#4
Chloromethane
Concen: 0.415 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

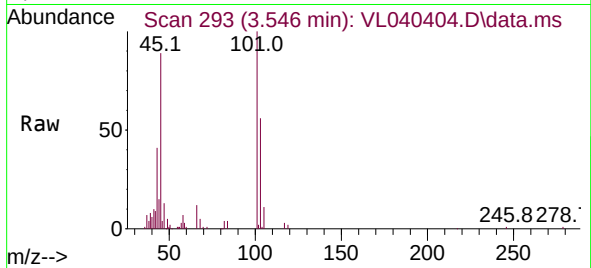
Tgt Ion: 50 Resp: 33755
Ion Ratio Lower Upper
50 100
52 26.1 25.3 37.9





#11
 Trichlorofluoromethane
 Concen: 0.362 ppbv
 RT: 3.546 min Scan# 295
 Delta R.T. -0.006 min
 Lab File: VL040404.D
 Acq: 11 May 2023 17:22

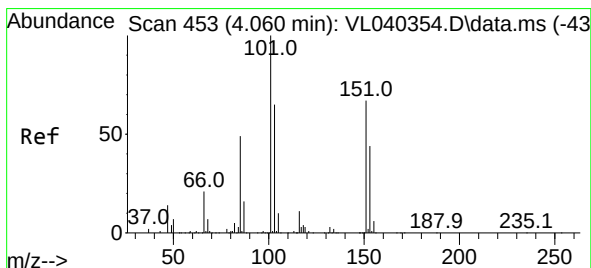
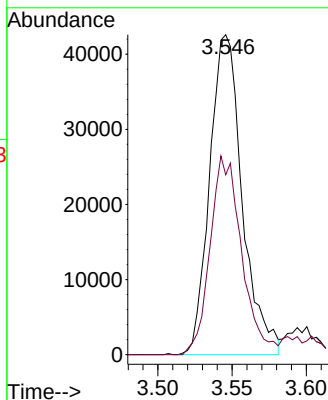
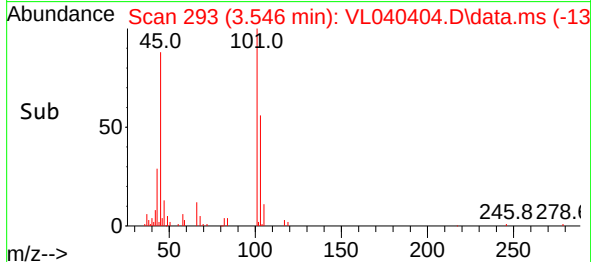
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-04-20230510



Tgt Ion:101 Resp: 65060
 Ion Ratio Lower Upper
 101 100
 103 56.2 52.2 78.4

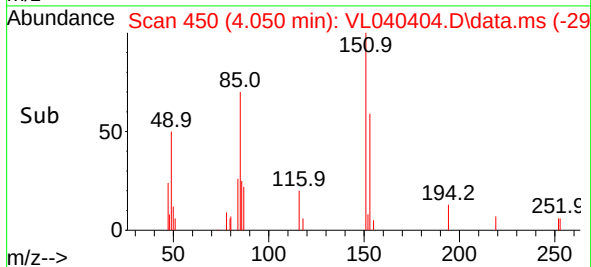
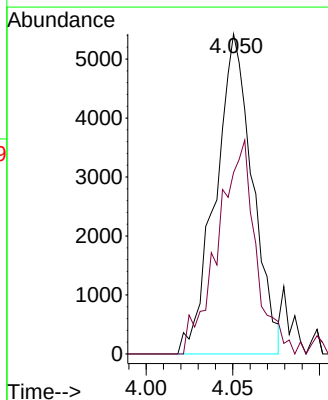
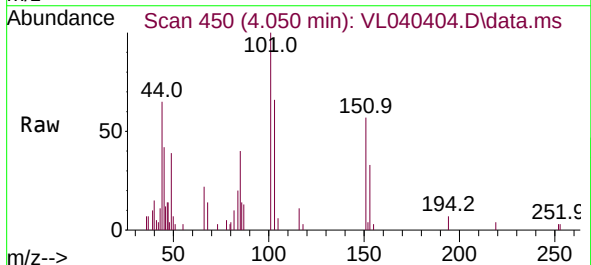
Manual Integrations
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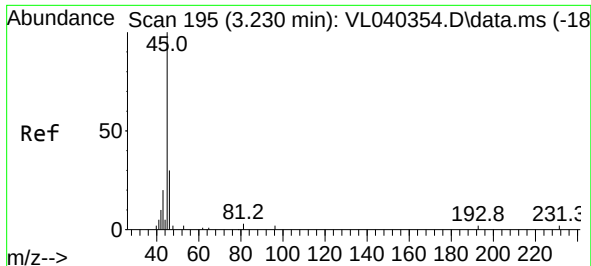
Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.064 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. -0.010 min
 Lab File: VL040404.D
 Acq: 11 May 2023 17:22

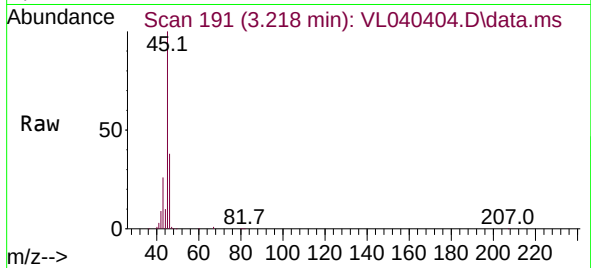
Tgt Ion:101 Resp: 8102
 Ion Ratio Lower Upper
 101 100
 151 70.7 54.7 82.1





#13
Ethanol
Concen: 70.158 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.012 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

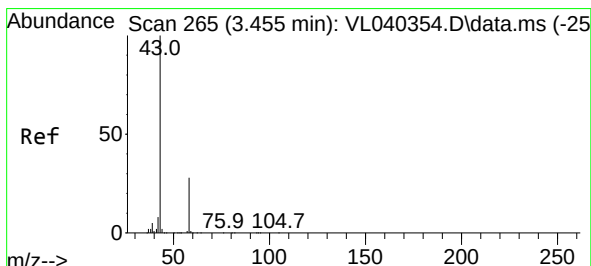
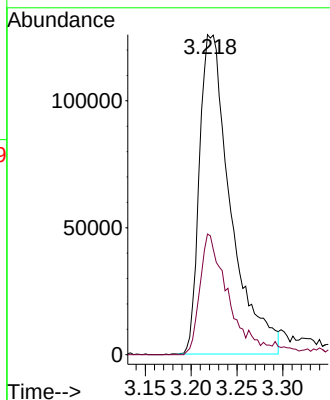
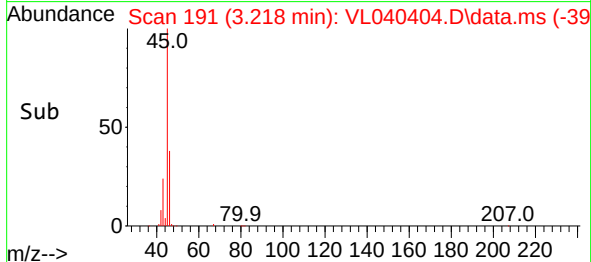
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



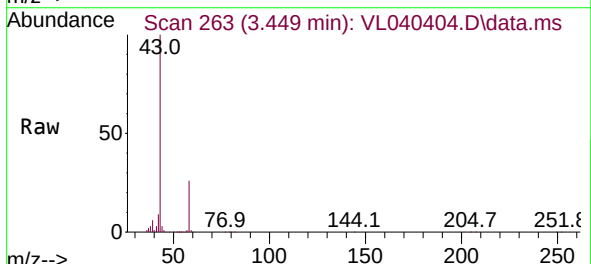
Tgt Ion: 45 Resp: 297978
Ion Ratio Lower Upper
45 100
46 36.4 15.3 61.3

Manual Integrations
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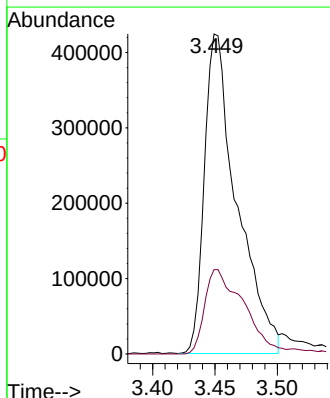
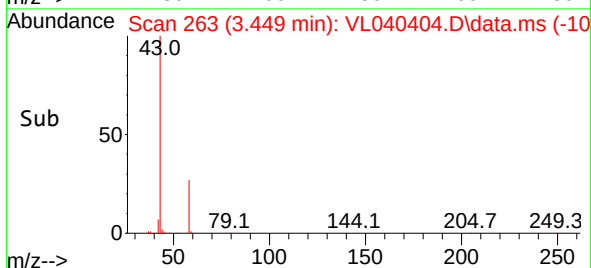
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

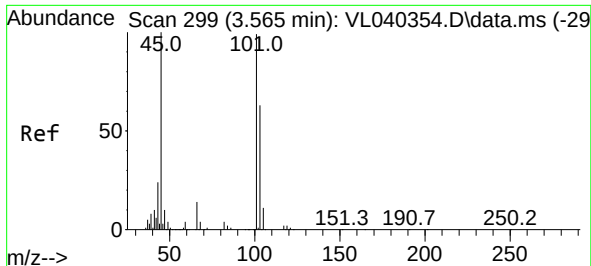


#15
Acetone
Concen: 5.507 ppbv
RT: 3.449 min Scan# 263
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22



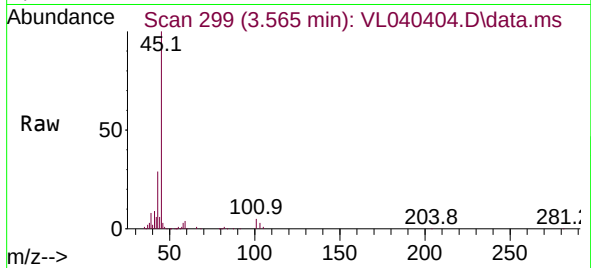
Tgt Ion: 43 Resp: 768688
Ion Ratio Lower Upper
43 100
58 33.1 22.2 33.2





#19
Isopropyl Alcohol
Concen: 4.937 ppbv m
RT: 3.565 min Scan# 299
Delta R.T. -0.000 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

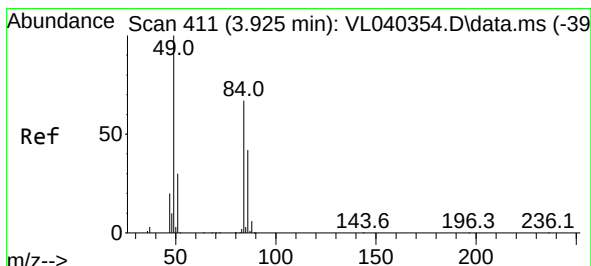
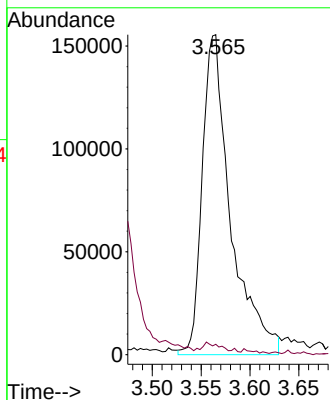
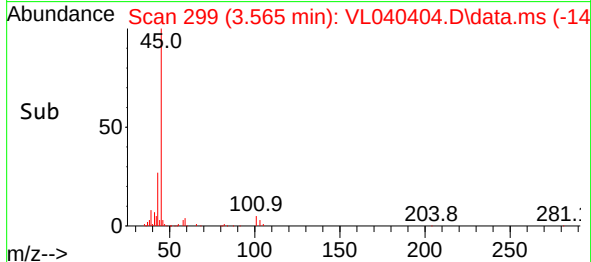
Instrument :
MSVOA_L
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SV-04-20230510



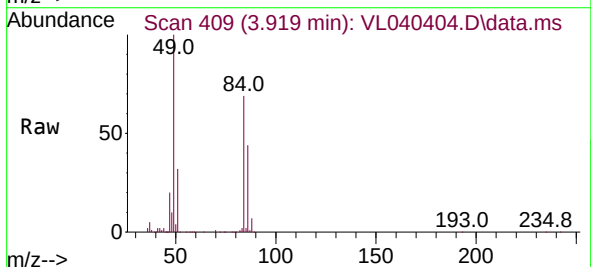
Tgt Ion: 45 Resp: 31444
Ion Ratio Lower Upper
45 100
58 3.3 2.6 4.0

Manual Integrations
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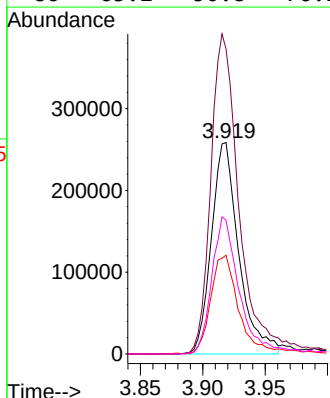
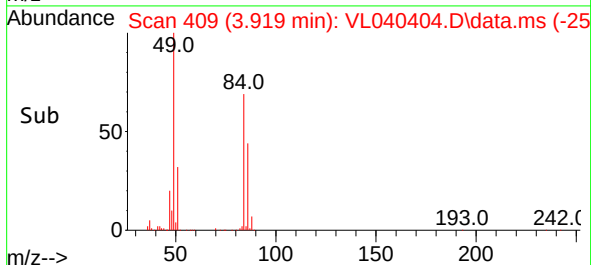
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

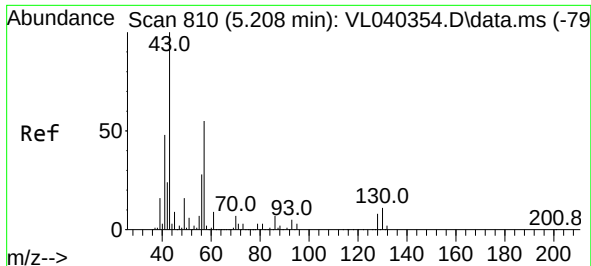


#20
Methylene Chloride
Concen: 7.104 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22



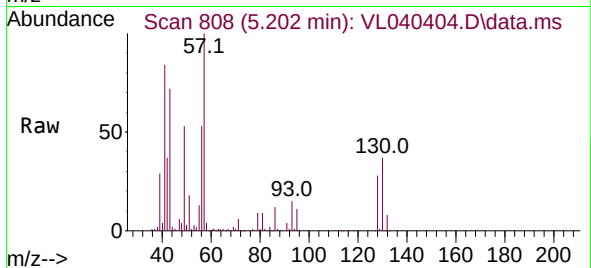
Tgt Ion: 84 Resp: 395892
Ion Ratio Lower Upper
84 100
49 144.3 120.1 180.1
51 46.3 36.3 54.5
86 63.2 50.8 76.2





#26
Hexane
Concen: 3.597 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

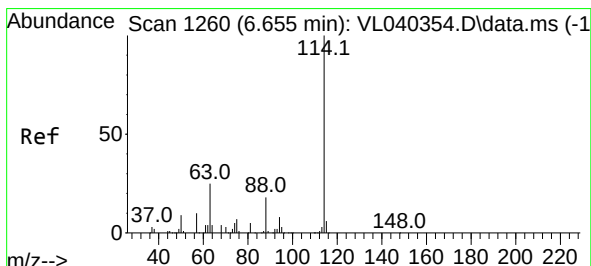
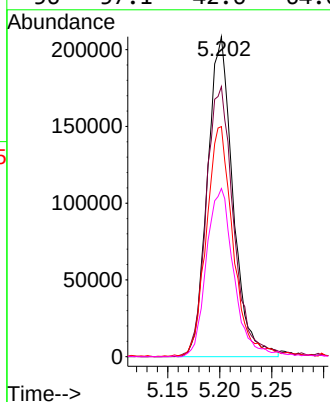
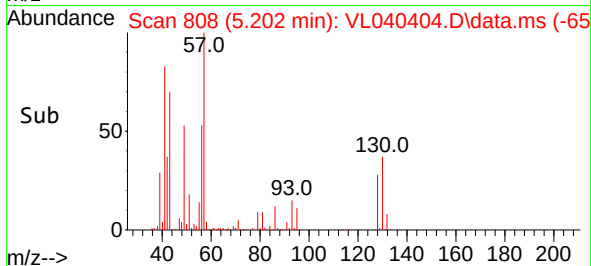
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 57 Resp: 356210
Ion Ratio Lower Upper
57 100
41 92.5 74.8 112.2
43 75.4 192.7 289.1
56 57.1 42.6 64.0

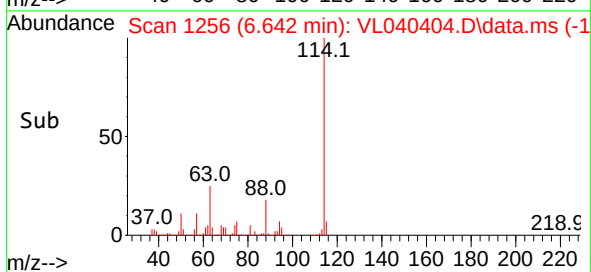
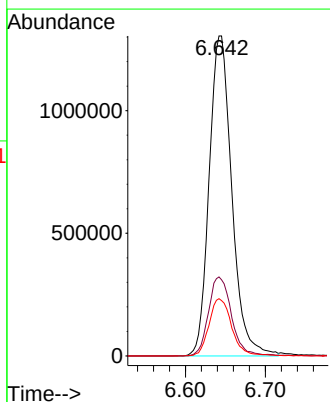
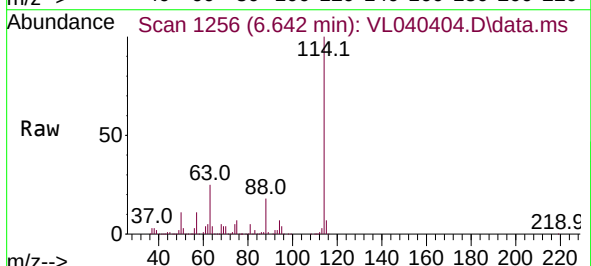
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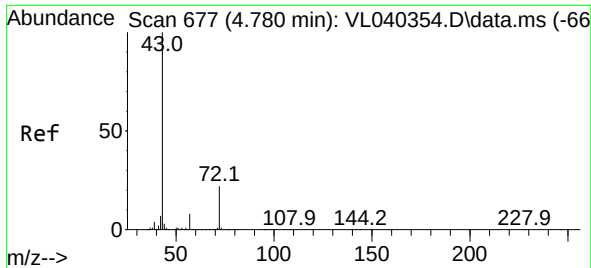
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

Tgt Ion:114 Resp: 2567031
Ion Ratio Lower Upper
114 100
63 25.3 21.4 32.0
88 18.1 14.6 22.0





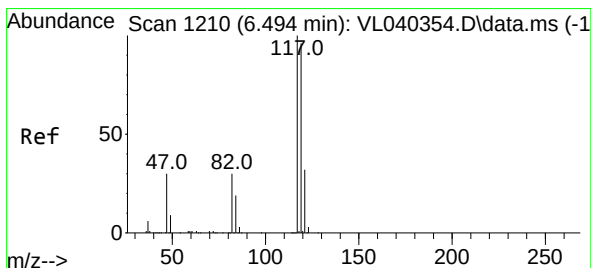
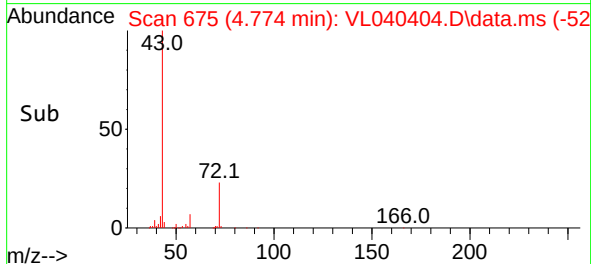
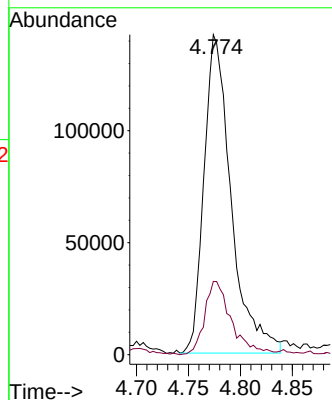
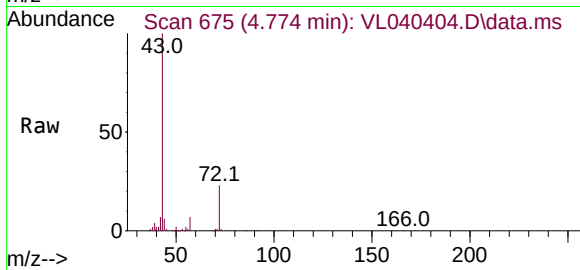
#34
2-Butanone
Concen: 1.869 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510

Tgt Ion: 43 Resp: 25876
Ion Ratio Lower Upper
43 100
72 23.9 18.4 27.6

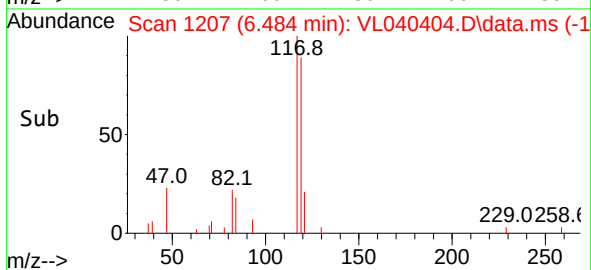
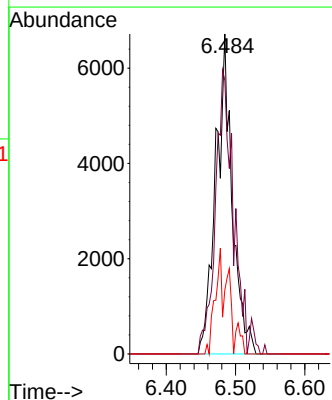
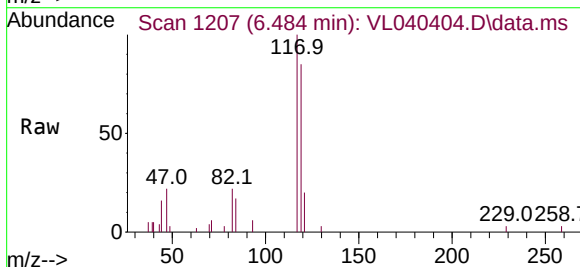
Manual Integrations
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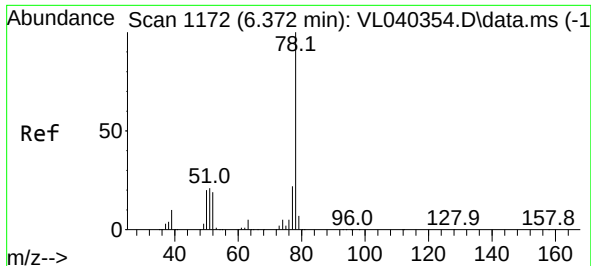
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

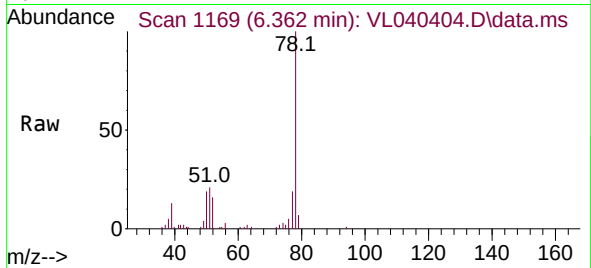
Tgt Ion:117 Resp: 11082
Ion Ratio Lower Upper
117 100
119 85.4 76.6 114.8
121 20.0 25.3 37.9#





#36
Benzene
Concen: 0.279 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

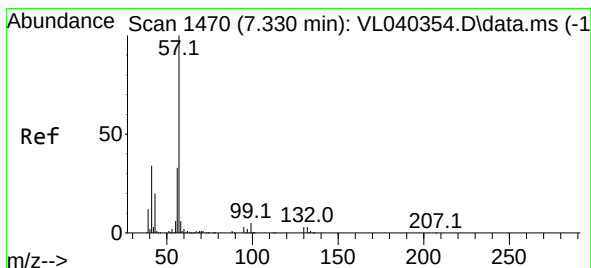
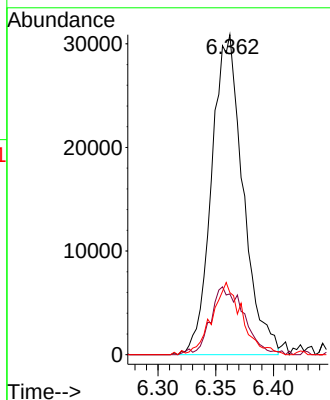
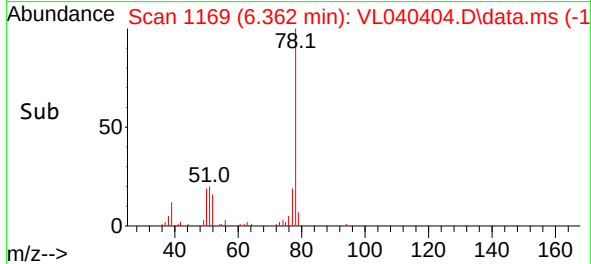
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 78 Resp: 5839
Ion Ratio Lower Upper
78 100
77 19.0 17.8 26.8
50 19.4 15.6 23.4

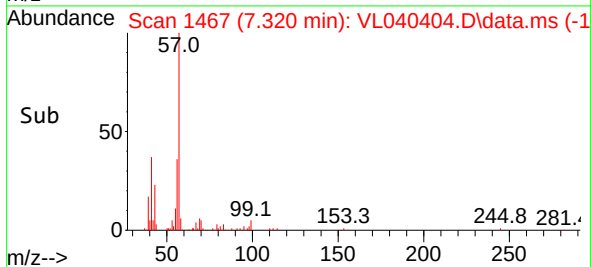
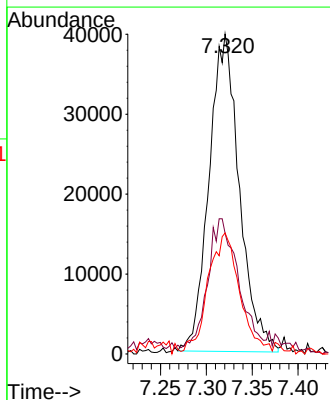
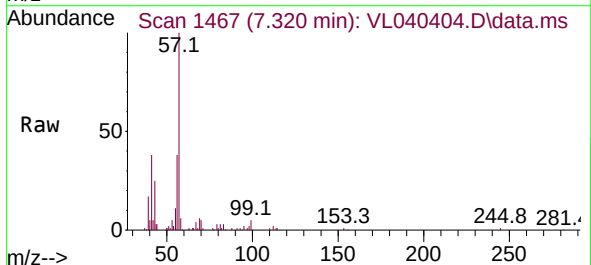
Manual Integrations
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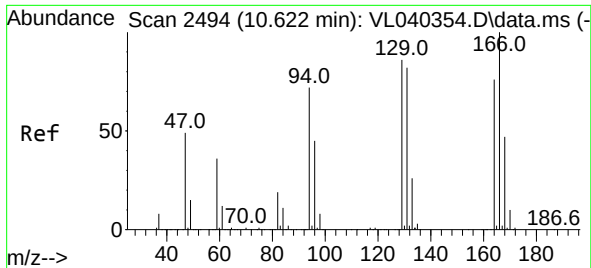
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#44
2,2,4-Trimethylpentane
Concen: 0.261 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

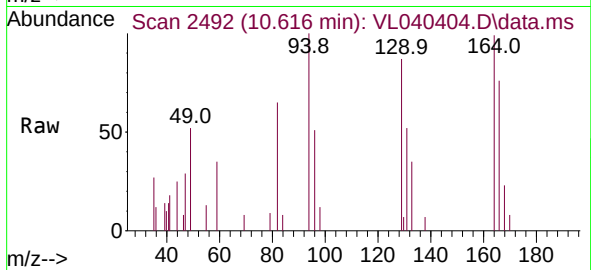
Tgt Ion: 57 Resp: 91321
Ion Ratio Lower Upper
57 100
41 48.9 26.9 40.3#
56 42.0 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.061 ppbv m
RT: 10.616 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

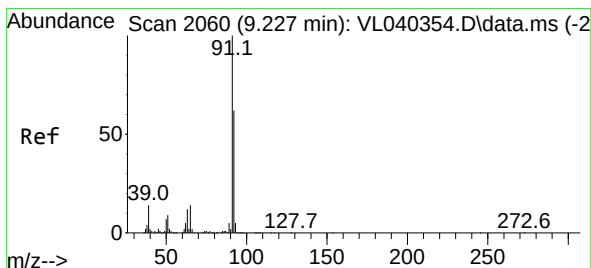
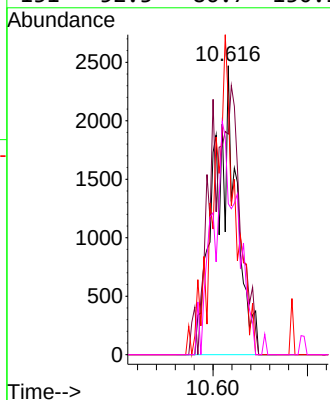
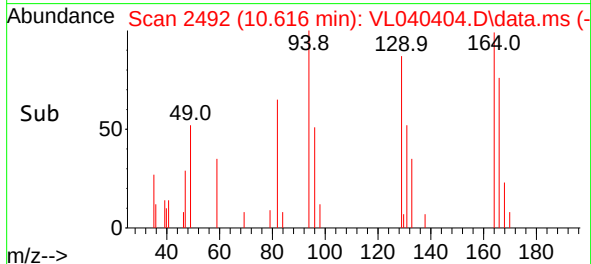
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion:164 Resp: 401
Ion Ratio Lower Upper
164 100
166 76.3 105.2 157.8
129 87.8 90.3 135.5
131 52.3 86.7 130.1#

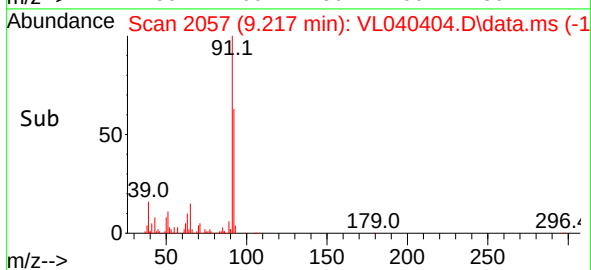
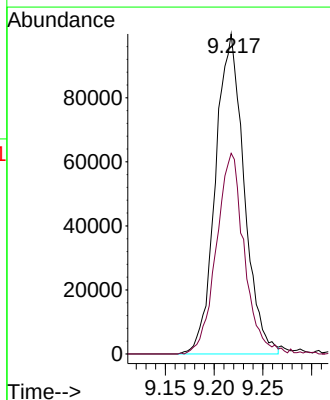
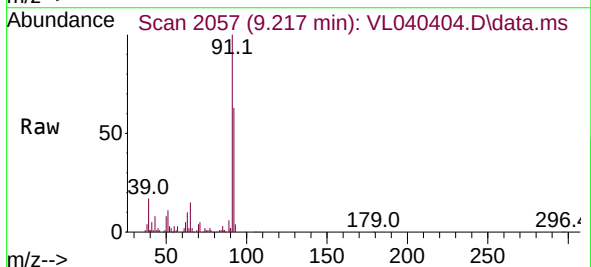
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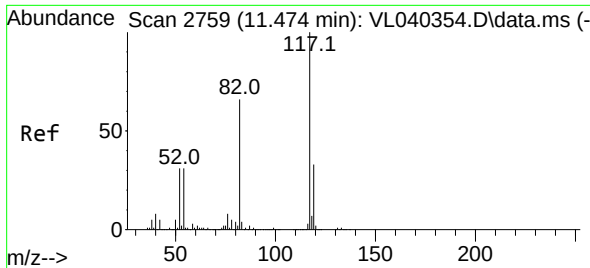
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#53
Toluene
Concen: 0.919 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.010 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

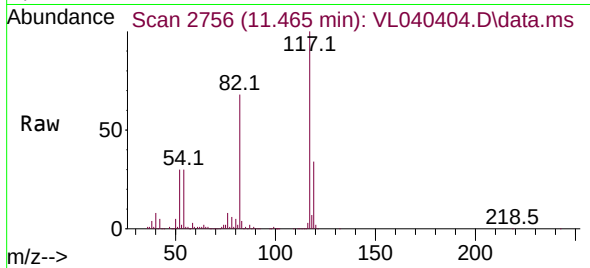
Tgt Ion: 91 Resp: 204045
Ion Ratio Lower Upper
91 100
92 61.8 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2117
Delta R.T. -0.009 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

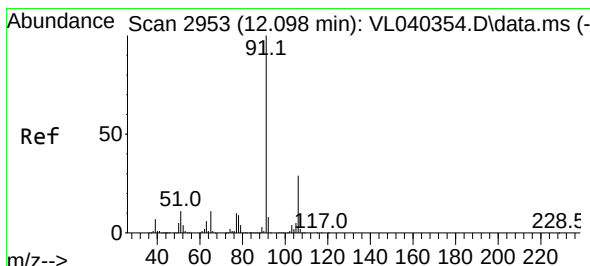
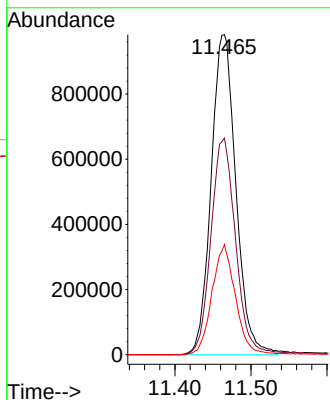
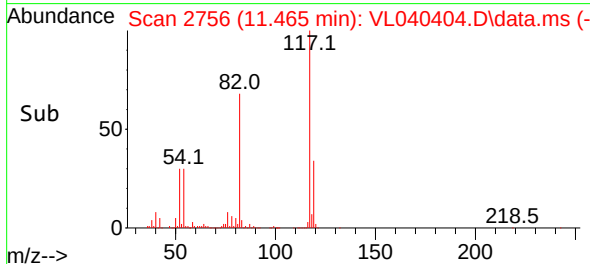
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



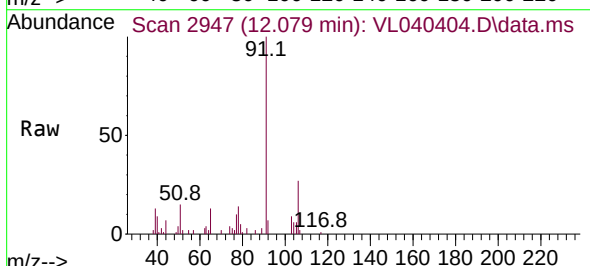
Tgt Ion:117 Resp: 2222084
Ion Ratio Lower Upper
117 100
82 68.1 52.5 78.7
119 33.0 24.3 36.5

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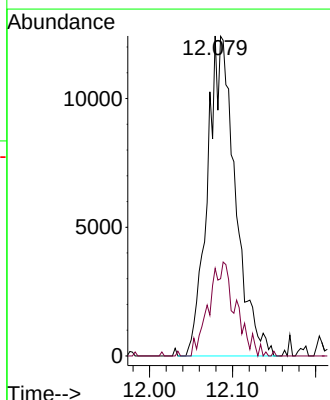
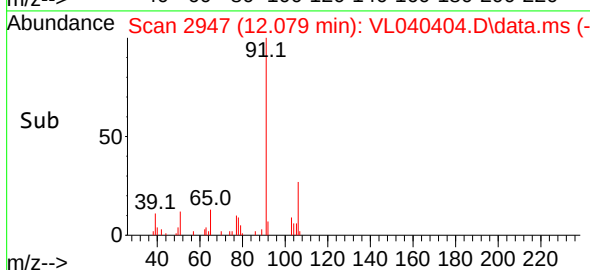
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

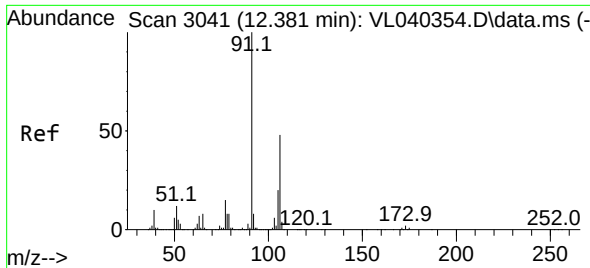


#58
Ethyl Benzene
Concen: 0.106 ppbv m
RT: 12.079 min Scan# 2947
Delta R.T. -0.019 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22



Tgt Ion: 91 Resp: 29103
Ion Ratio Lower Upper
91 100
106 27.3 23.5 35.3





#59

m/p-Xylene

Concen: 0.335 ppbv m

RT: 12.349 min Scan# 3041

Delta R.T. -0.032 min

Lab File: VL040404.D

Acq: 11 May 2023 17:22

Instrument :

MSVOA_L

ClientSampleId :

SV-04-20230510

Tgt Ion: 91 Resp: 84109

Ion Ratio Lower Upper

91 100

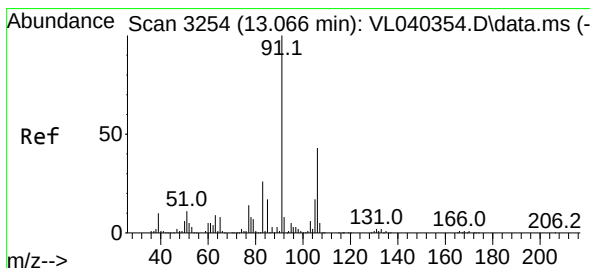
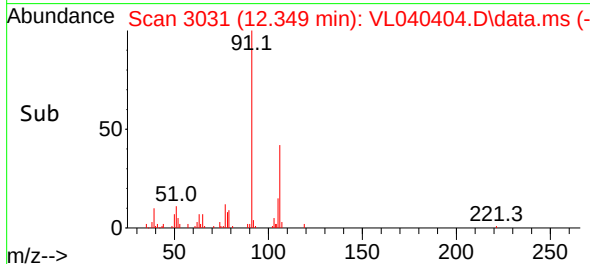
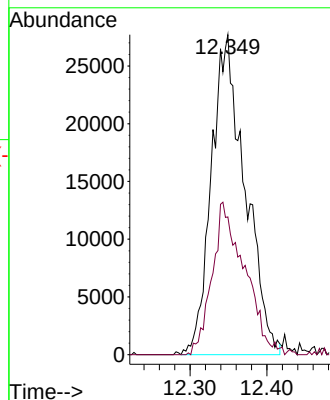
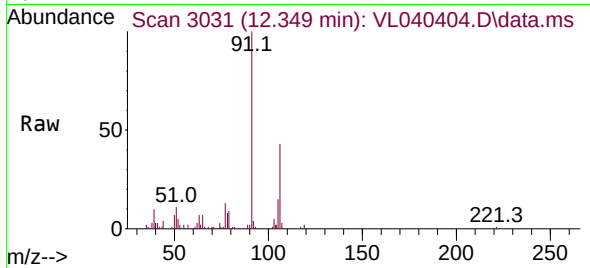
106 0.0 34.7 52.1

Manual Integrations

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Reviewed By :Krupa Patel 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#60

o-Xylene

Concen: 0.133 ppbv m

RT: 13.057 min Scan# 3251

Delta R.T. -0.009 min

Lab File: VL040404.D

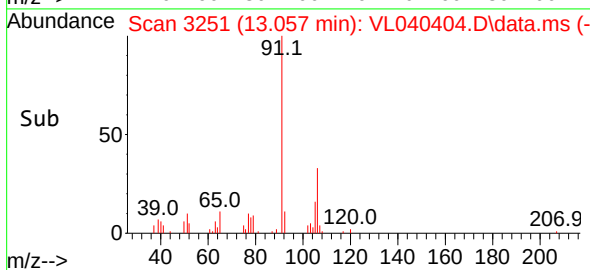
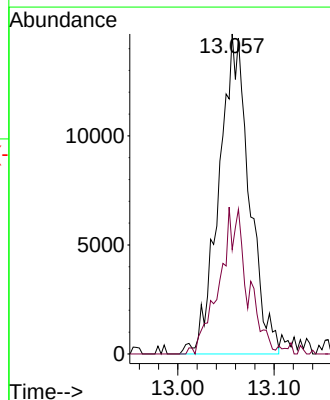
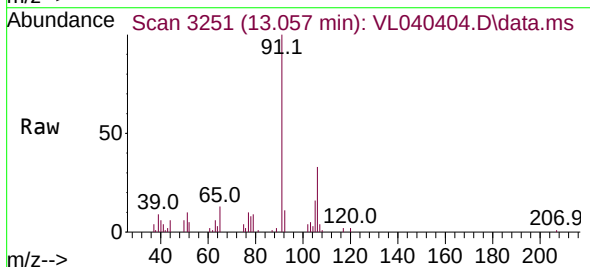
Acq: 11 May 2023 17:22

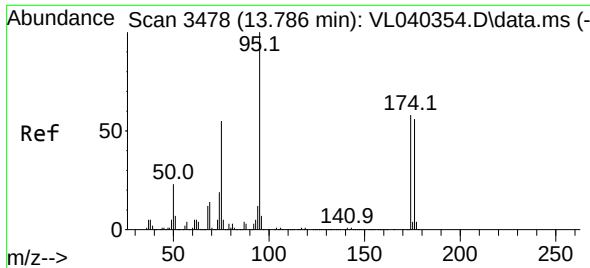
Tgt Ion: 91 Resp: 32193

Ion Ratio Lower Upper

91 100

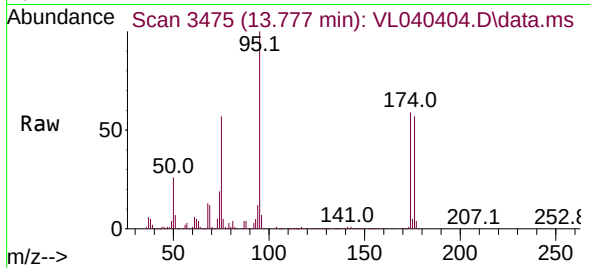
106 0.0 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.380 ppbv
RT: 13.777 min Scan# 3478
Delta R.T. -0.009 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22

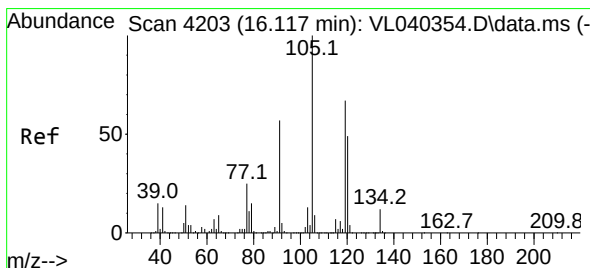
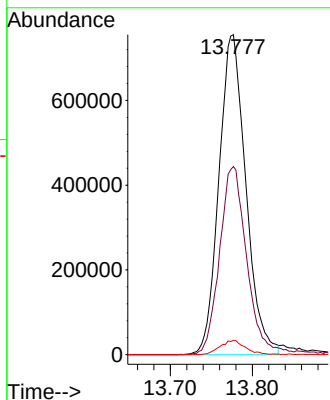
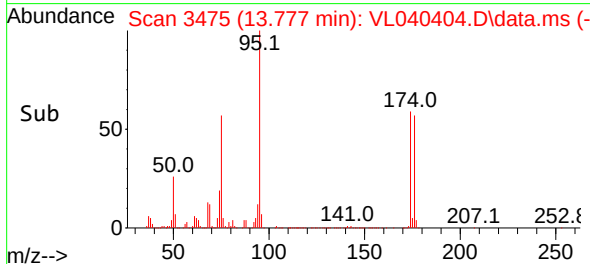
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



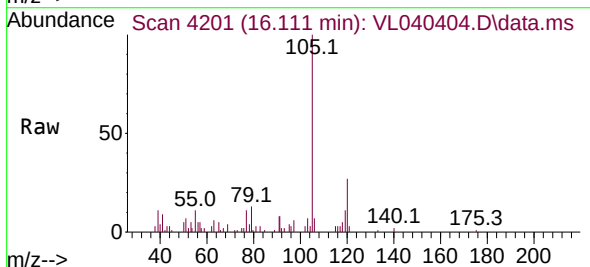
Tgt Ion: 95 Resp: 1723600
Ion Ratio Lower Upper
95 100
174 61.3 47.2 70.8
175 4.3 3.5 5.3

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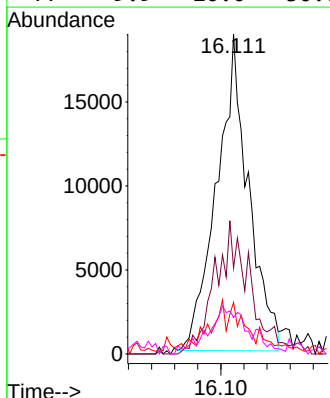
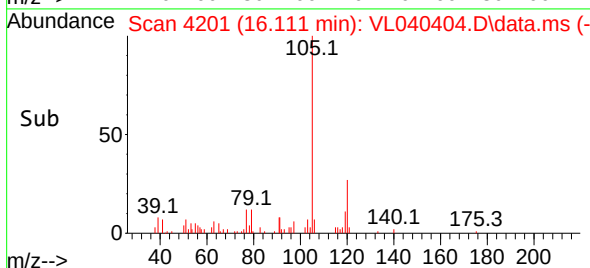
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

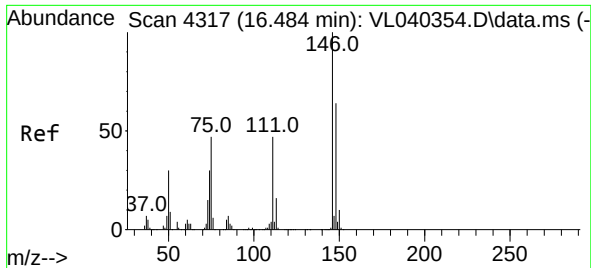


#74
1,2,4-Trimethylbenzene
Concen: 0.127 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. -0.006 min
Lab File: VL040404.D
Acq: 11 May 2023 17:22



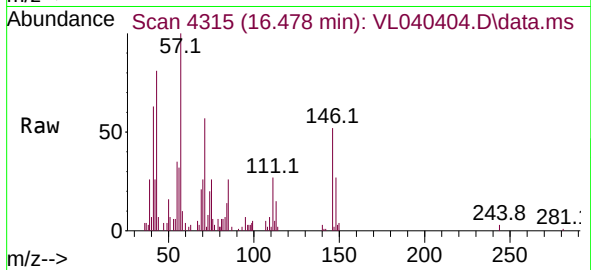
Tgt Ion:105 Resp: 35836
Ion Ratio Lower Upper
105 100
120 29.8 38.9 58.3#
91 13.7 46.0 69.0#
77 9.9 20.0 30.0#





#76
 1,4-Dichlorobenzene
 Concen: 0.096 ppbv
 RT: 16.478 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040404.D
 Acq: 11 May 2023 17:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-04-20230510



Tgt Ion:	146	Resp:	1456
Ion	Ratio	Lower	Upper
146	100		
111	57.8	23.8	71.4
148	73.7	32.4	97.2

Manual Integrations
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Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

