

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030556.D
 Acq On : 13 Apr 2023 19:39
 Operator : SY/MD
 Sample : 02254-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC8

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:24:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.552	114	140195	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	134138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63108	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	56488	6.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.600%
7) Chloroethane-d5	1.536	69	42618	4.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.076	63	26005693	1180.305	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	23606.000%#
20) 2-Butanone-d5	3.831	46	103781	43.243	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.480%
24) Chloroform-d	4.272	84	96937	4.313	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	4.973	65	48448	4.569	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	4.992	84	167918	4.442	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.005	67	53267	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.256	98	140747	4.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.564	79	18332	4.114	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.034	63	73457	41.029	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.060%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37939	4.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	53204	4.717	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	22594	1.005	ug/L	99
5) Vinyl chloride	1.317	62	627813m	38.292	ug/L	
8) Chloroethane	1.555	64	6695	0.713	ug/L #	61
9) Trichlorofluoromethane	1.719	101	2515	0.105	ug/L	99
12) 1,1-Dichloroethene	2.060	96	32981936m	2815.611	ug/L	
13) Acetone	2.143	43	7789	3.394	ug/L	68
14) Carbon disulfide	2.246	76	8827	0.229	ug/L #	93
15) Methyl Acetate	2.401	43	17141	4.180	ug/L #	87
16) Methylene chloride	2.452	84	55452	4.002	ug/L	95
19) 1,1-Dichloroethane	3.124	63	20021096	836.872	ug/L	89
22) cis-1,2-Dichloroethene	3.835	96	10365	0.837	ug/L	95
25) Chloroform	4.304	83	133413	5.518	ug/L	95
27) 1,2-Dichloroethane	5.069	62	54622	3.737	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	94866658m	4400.162	ug/L	
34) Trichloroethene	5.847	95	1960802	152.599	ug/L	97
45) 1,1,2-Trichloroethane	7.783	97	1789	0.208	ug/L	90
47) Tetrachloroethene	7.915	164	16880	1.489	ug/L	96
51) Chlorobenzene	8.828	112	4367	0.134	ug/L #	86

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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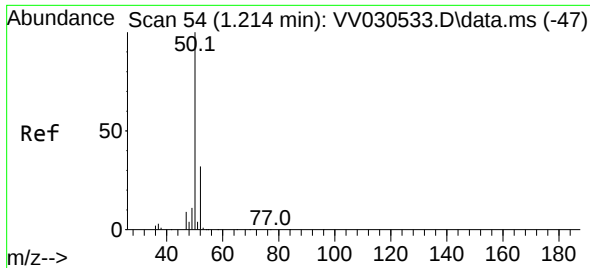
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:24:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

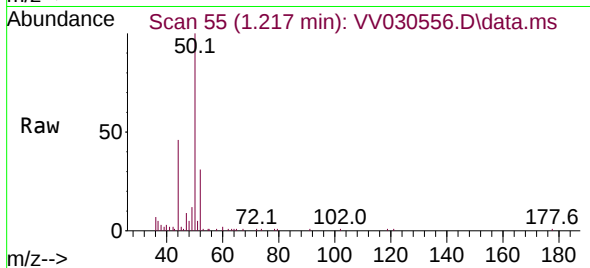
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 1.005 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

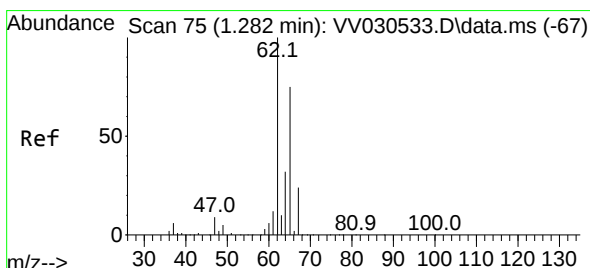
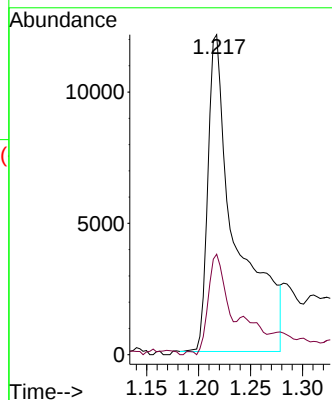
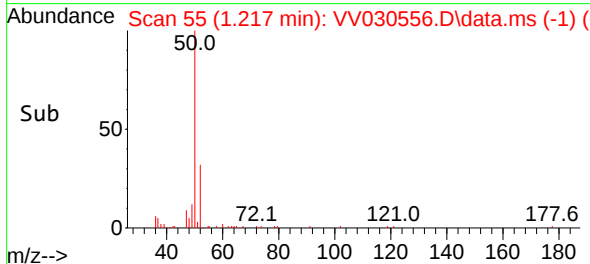
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



Tgt Ion: 50 Resp: 22594
Ion Ratio Lower Upper
50 100
52 31.4 22.3 41.5

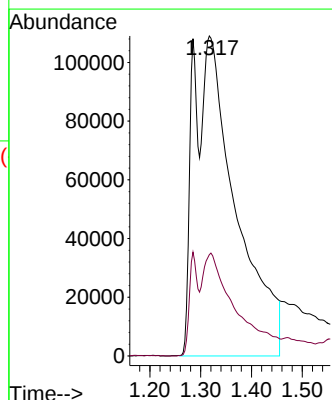
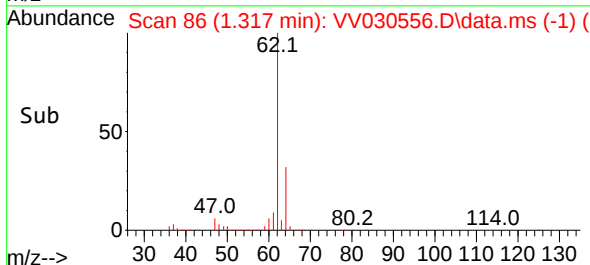
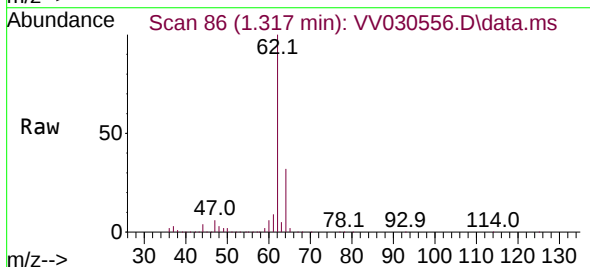
Manual Integrations
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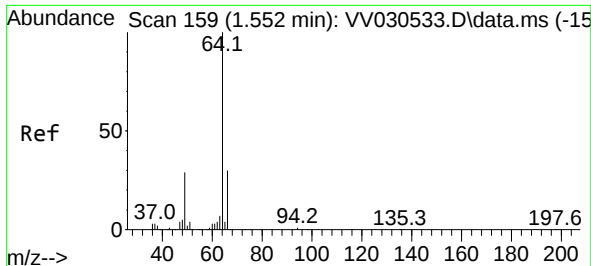
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#5
Vinyl chloride
Concen: 38.292 ug/L m
RT: 1.317 min Scan# 86
Delta R.T. 0.035 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

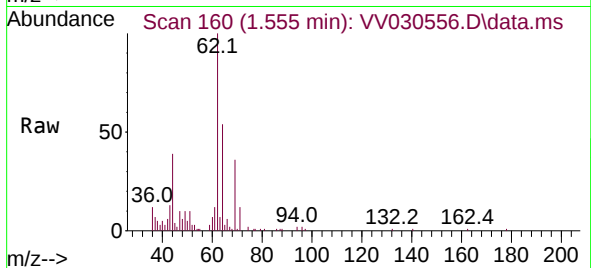
Tgt Ion: 62 Resp: 627813
Ion Ratio Lower Upper
62 100
64 31.6 23.2 43.2





#8
Chloroethane
Concen: 0.713 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

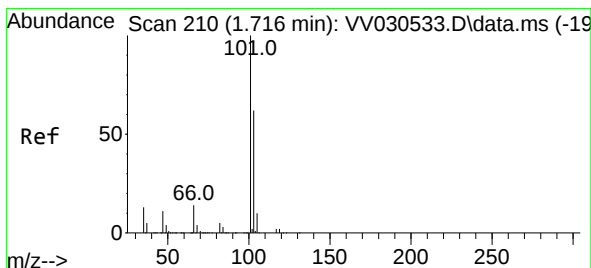
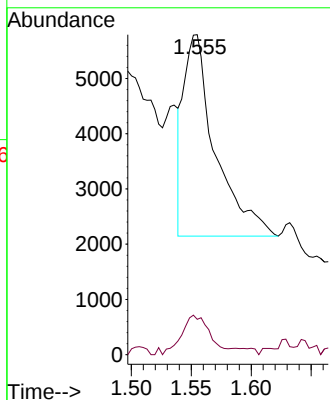
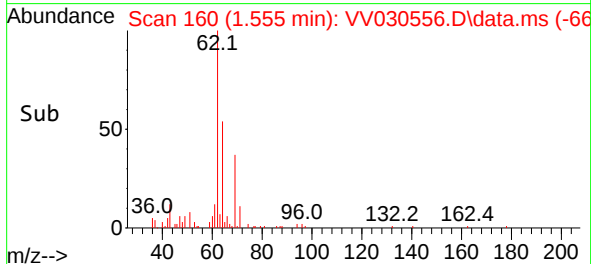
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



Tgt Ion: 64 Resp: 669
Ion Ratio Lower Upper
64 100
66 11.1 23.0 42.8

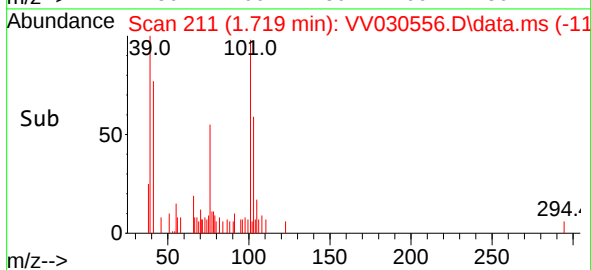
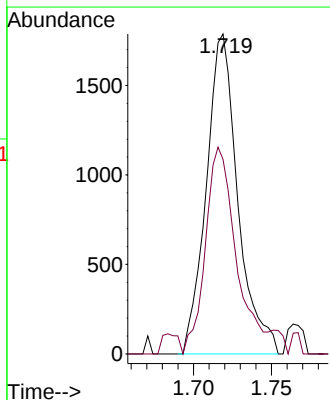
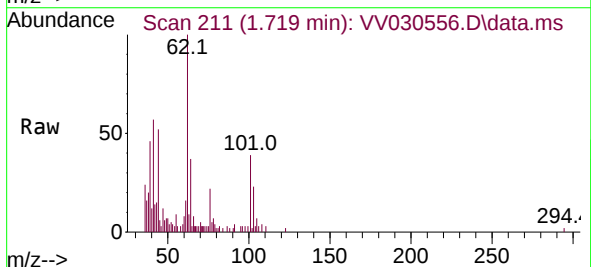
Manual Integrations
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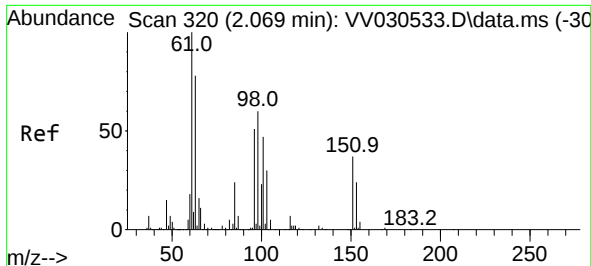
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#9
Trichlorofluoromethane
Concen: 0.105 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

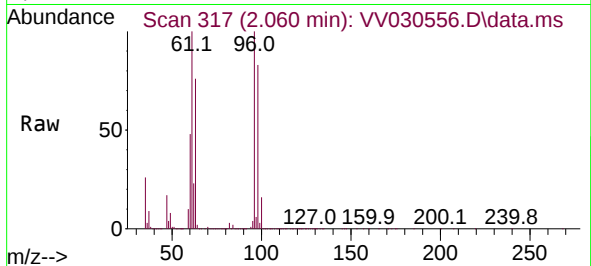
Tgt Ion:101 Resp: 2515
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.6





#12
1,1-Dichloroethene
Concen: 2815.611 ug/L m
RT: 2.060 min Scan# 317
Delta R.T. -0.010 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

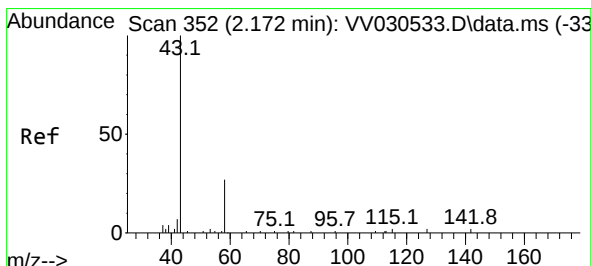
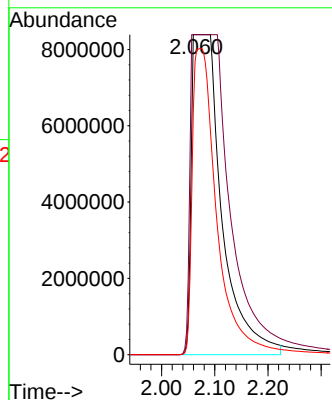
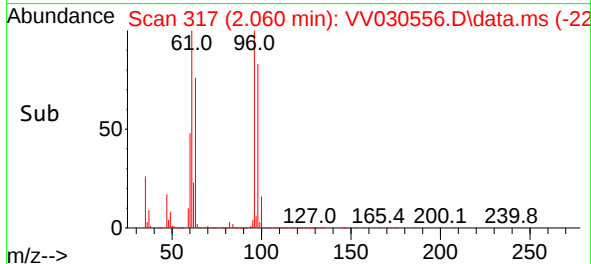
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



Tgt Ion: 96 Resp: 3298193
Ion Ratio Lower Upper
96 100
61 100.0 136.3 253.1
63 76.4 92.1 171.1

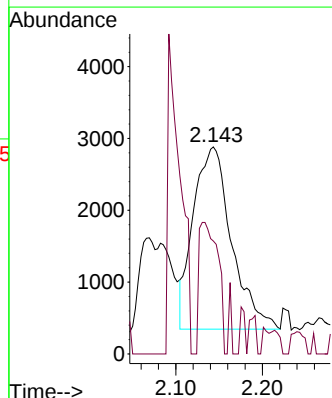
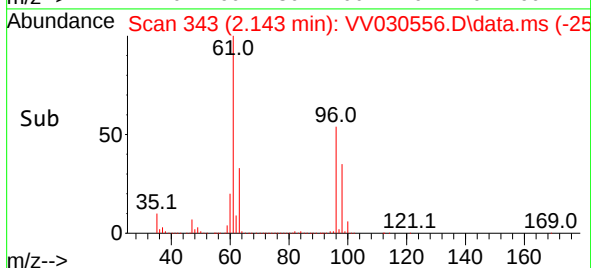
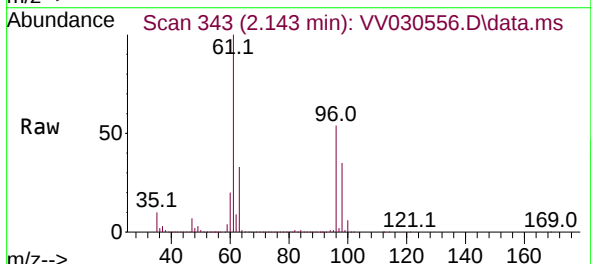
Manual Integrations
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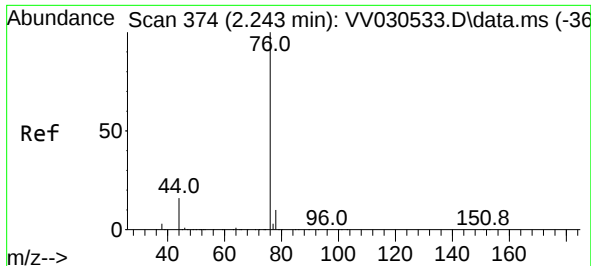
Reviewed By : John Carlone 04/14/2023
Supervised By : Mahesh Dadoda 04/14/2023



#13
Acetone
Concen: 3.394 ug/L
RT: 2.143 min Scan# 343
Delta R.T. -0.029 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

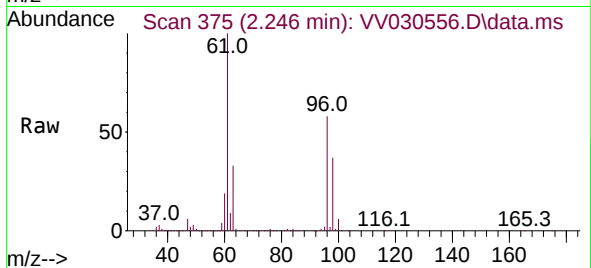
Tgt Ion: 43 Resp: 7789
Ion Ratio Lower Upper
43 100
58 35.4 0.0 40.8





#14
Carbon disulfide
Concen: 0.229 ug/L
RT: 2.246 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

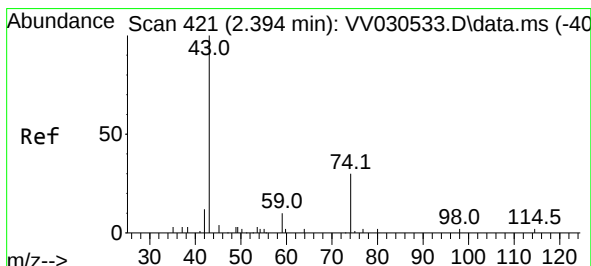
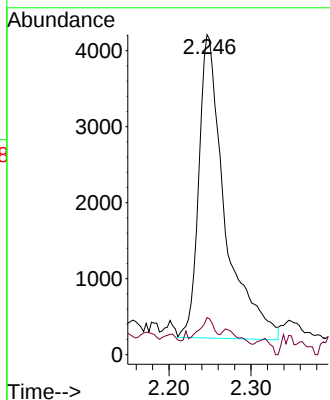
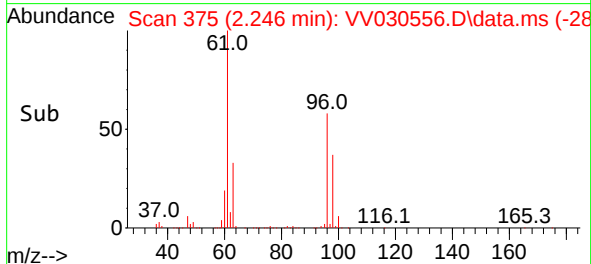
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



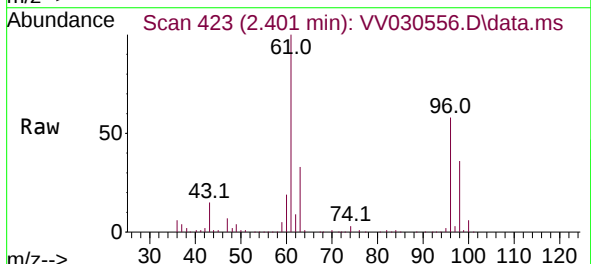
Tgt Ion: 76 Resp: 882
Ion Ratio Lower Upper
76 100
78 11.6 7.3 10.9

Manual Integrations
APPROVED

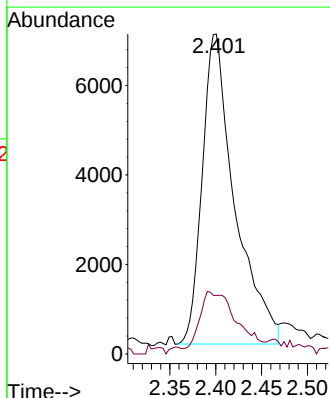
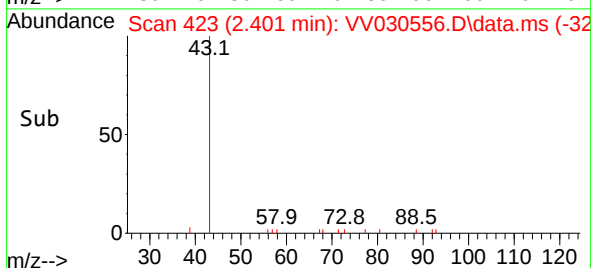
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

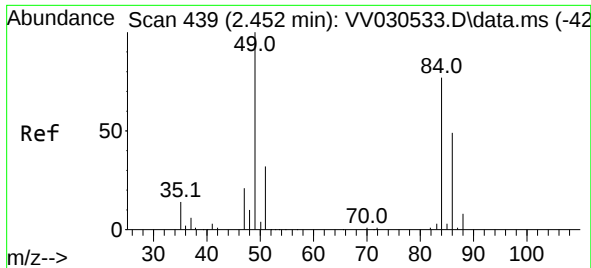


#15
Methyl Acetate
Concen: 4.180 ug/L
RT: 2.401 min Scan# 423
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39



Tgt Ion: 43 Resp: 17141
Ion Ratio Lower Upper
43 100
74 20.9 22.1 33.1





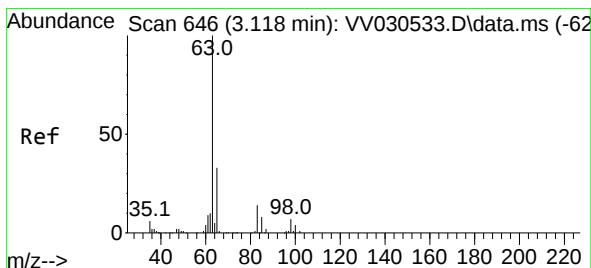
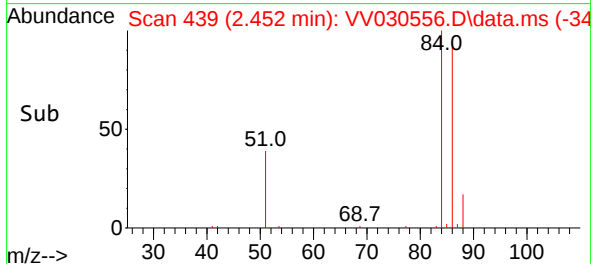
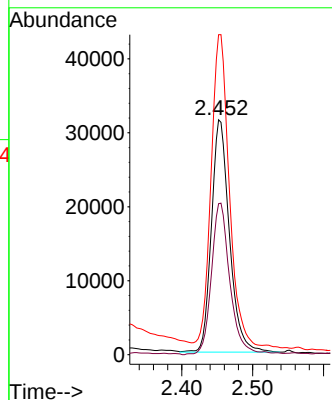
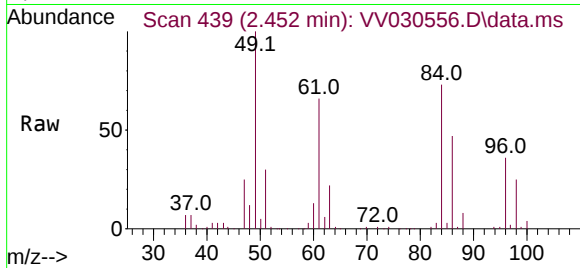
#16
Methylene chloride
Concen: 4.002 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Instrument :
MSVOA_V
ClientSampleId :
C0AC8

Tgt Ion: 84 Resp: 55452
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.6
49 136.3 90.6 168.3

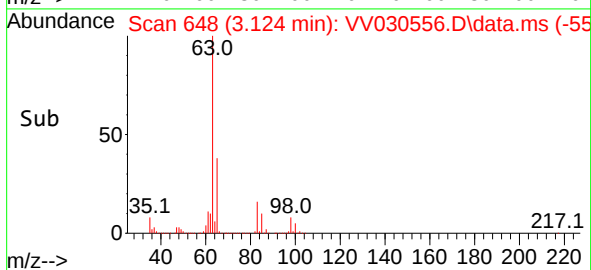
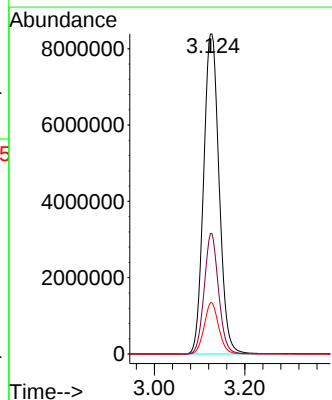
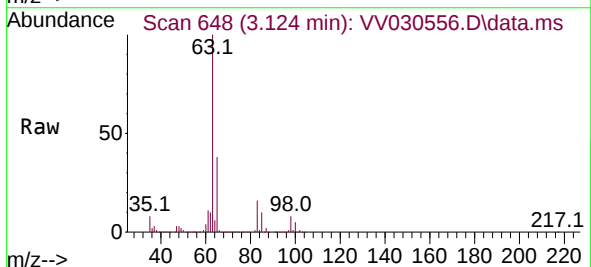
Manual Integrations
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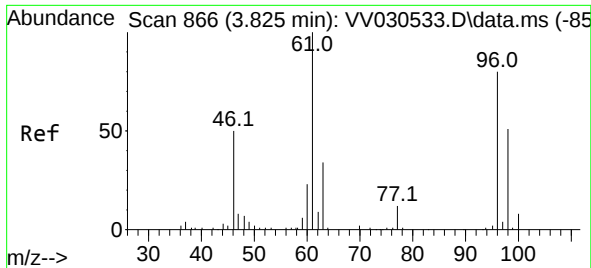
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#19
1,1-Dichloroethane
Concen: 836.872 ug/L
RT: 3.124 min Scan# 648
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 63 Resp:20021096
Ion Ratio Lower Upper
63 100
65 37.7 21.7 40.3
83 16.0 9.1 16.9





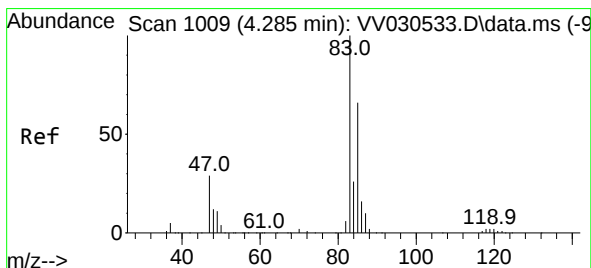
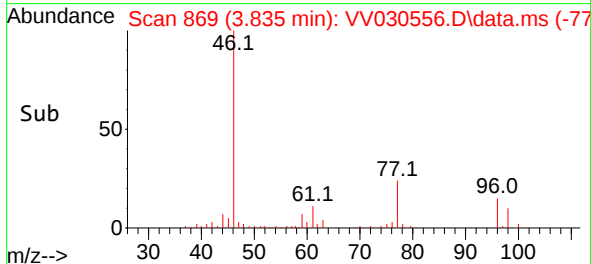
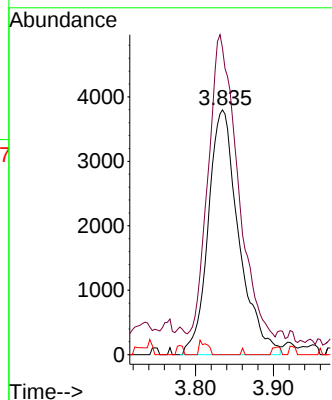
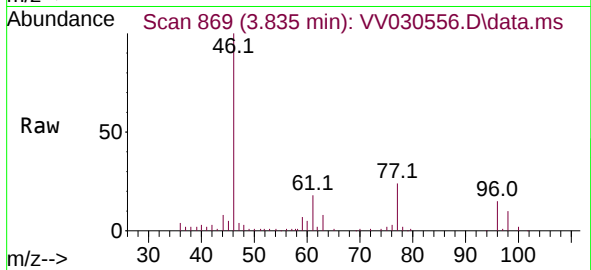
#22
cis-1,2-Dichloroethene
Concen: 0.837 ug/L
RT: 3.835 min Scan# 80
Delta R.T. 0.010 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Instrument :
MSVOA_V
ClientSampleId :
C0AC8

Tgt Ion: 96 Resp: 1036
Ion Ratio Lower Upper
96 100
61 125.4 92.0 170.8
68 0.0 0.0 0.0

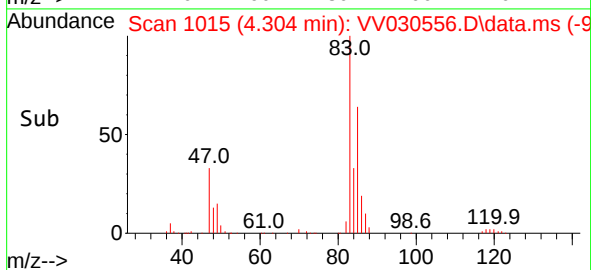
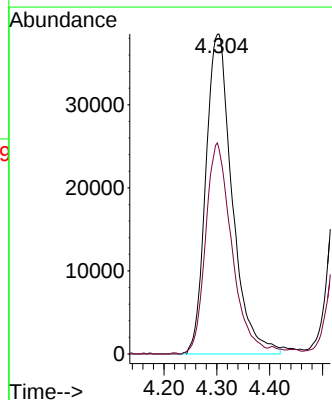
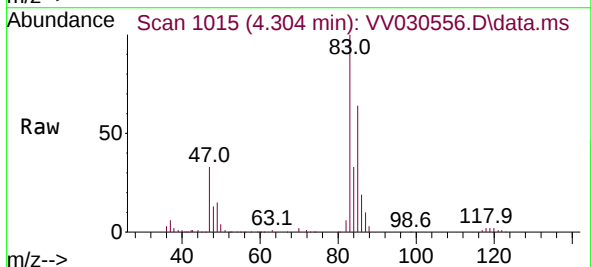
Manual Integrations
APPROVED

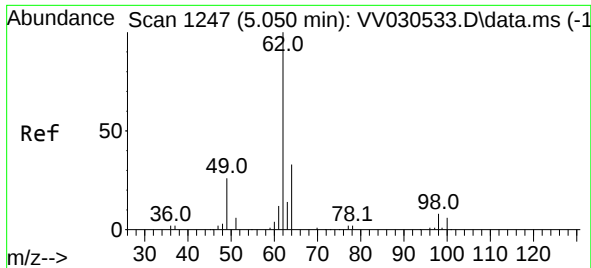
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#25
Chloroform
Concen: 5.518 ug/L
RT: 4.304 min Scan# 1015
Delta R.T. 0.019 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion: 83 Resp: 133413
Ion Ratio Lower Upper
83 100
85 64.2 47.6 88.4





#27

1,2-Dichloroethane

Concen: 3.737 ug/L

RT: 5.069 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

Instrument :

MSVOA_V

ClientSampleId :

C0AC8

Tgt Ion: 62 Resp: 5462

Ion Ratio Lower Upper

62 100

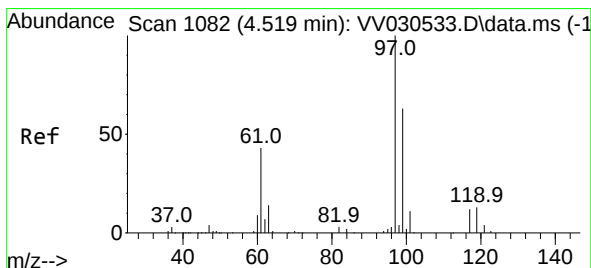
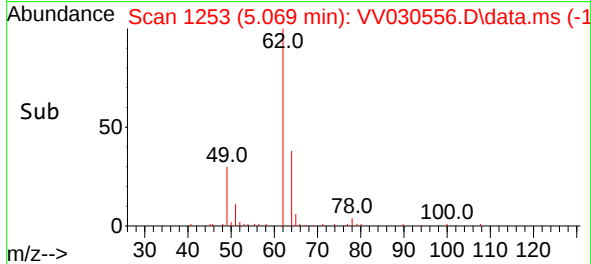
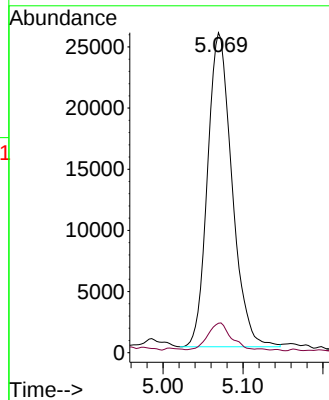
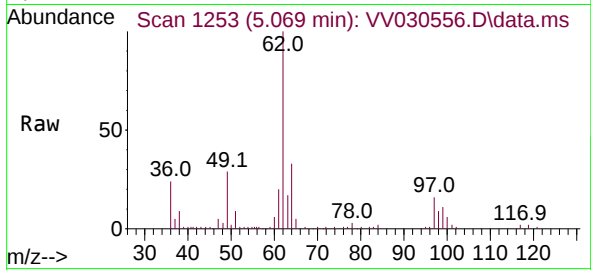
98 9.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2023

Supervised By :Mahesh Dadoda 04/14/2023



#29

1,1,1-Trichloroethane

Concen: 4400.162 ug/L m

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV030556.D

Acq: 13 Apr 2023 19:39

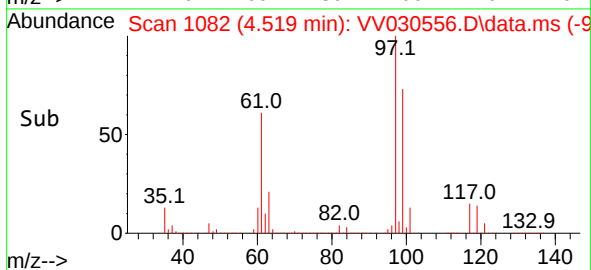
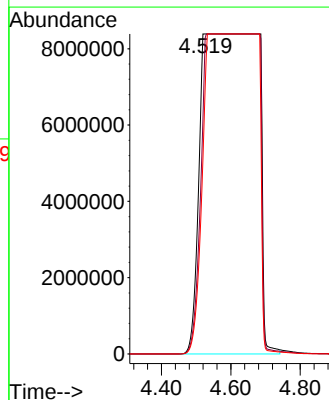
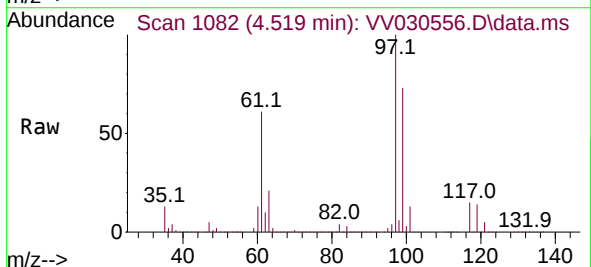
Tgt Ion: 97 Resp:94866658

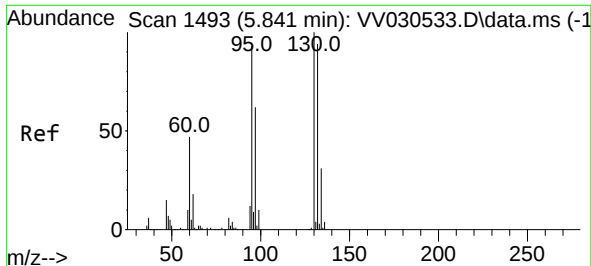
Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

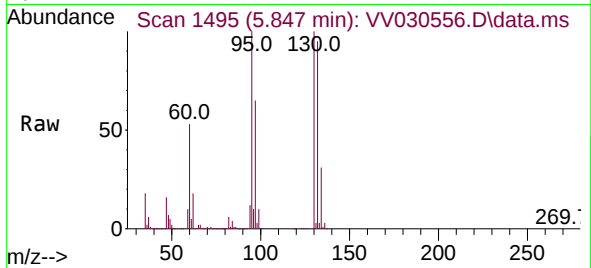
61 0.0 35.9 53.9#





#34
Trichloroethene
Concen: 152.599 ug/L
RT: 5.847 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

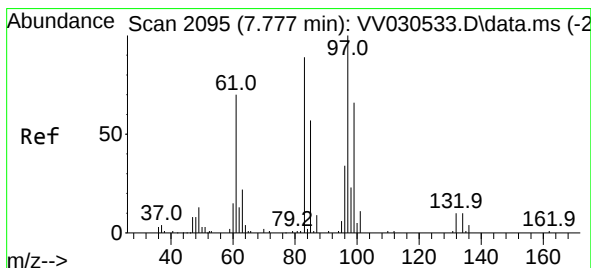
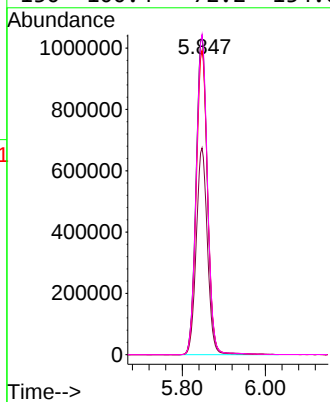
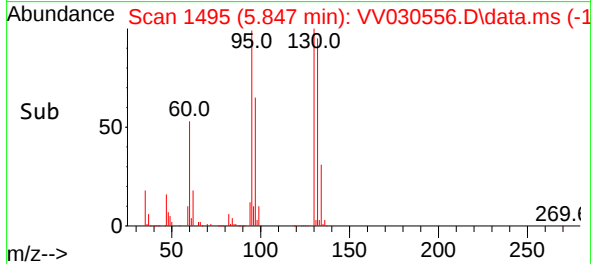
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



Tgt Ion: 95 Resp: 196080
Ion Ratio Lower Upper
95 100
97 64.9 44.2 82.2
132 95.4 69.5 129.1
130 100.4 72.2 134.0

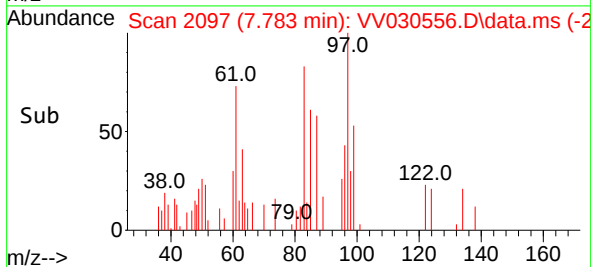
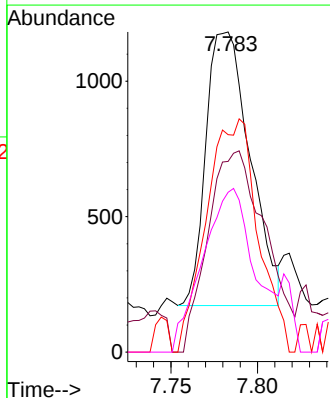
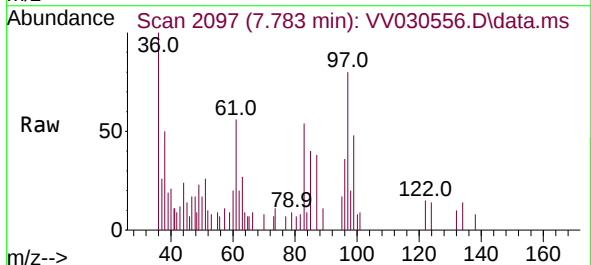
Manual Integrations
APPROVED

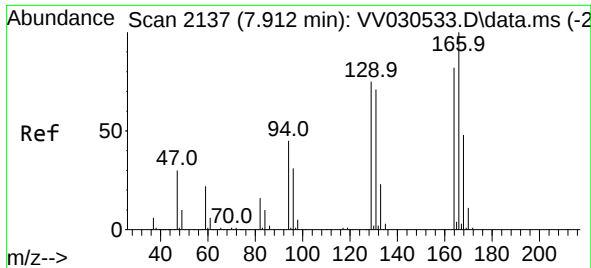
Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#45
1,1,2-Trichloroethane
Concen: 0.208 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

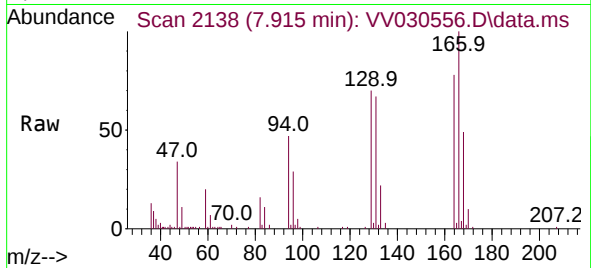
Tgt Ion: 97 Resp: 1789
Ion Ratio Lower Upper
97 100
99 59.6 44.0 81.8
83 67.9 58.8 109.2
85 49.9 37.2 69.0





#47
Tetrachloroethene
Concen: 1.489 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

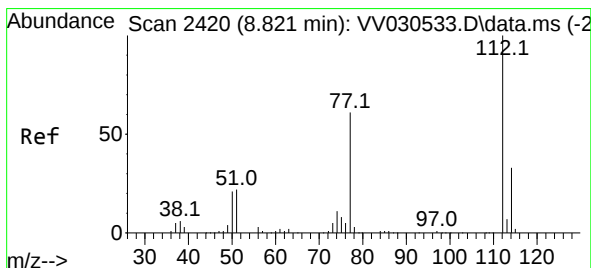
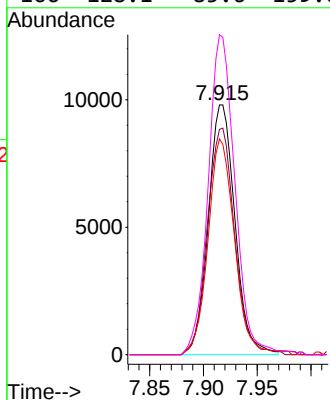
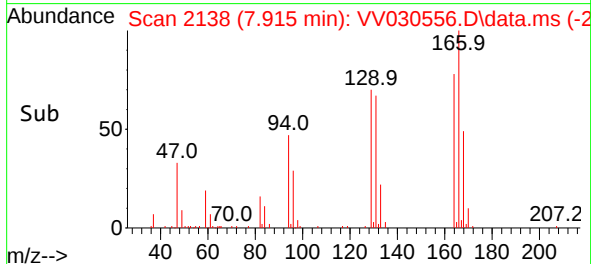
Instrument :
MSVOA_V
ClientSampleId :
C0AC8



Tgt Ion:164 Resp: 16880
Ion Ratio Lower Upper
164 100
129 90.2 60.8 112.8
131 86.4 61.7 114.7
166 128.1 85.6 159.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#51
Chlorobenzene
Concen: 0.134 ug/L
RT: 8.828 min Scan# 2422
Delta R.T. 0.006 min
Lab File: VV030556.D
Acq: 13 Apr 2023 19:39

Tgt Ion:112 Resp: 4367
Ion Ratio Lower Upper
112 100
114 33.6 22.4 41.6
77 72.0 45.9 68.9#

