

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022122\
 Data File : VW024770.D
 Acq On : 21 Feb 2022 12:45
 Operator : SY/MD
 Sample : N1331-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02

Quant Time: Feb 22 03:37:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 22 03:27:30 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/23/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	179583	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	164050	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	73099	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	55824	3.665	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.568	69	49691	3.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.108	63	77737	2.785	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.600%#
20) 2-Butanone-d5	3.892	46	108040	49.657	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.320%
24) Chloroform-d	4.349	84	101429	4.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.031	65	47327	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.047	84	206859	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.066	67	64376	4.622	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.314	98	177810	4.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	7.622	79	19793	4.266	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.085	63	81227	44.492	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.980%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35362	4.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	56745	4.486	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	3068	0.175	ug/L	99
3) Chloromethane	1.243	50	3363	0.192	ug/L	99
5) Vinyl chloride	1.311	62	3280	0.171	ug/L #	68
6) Bromomethane	1.523	94	1944	0.169	ug/L	83
8) Chloroethane	1.587	64	1985	0.168	ug/L	94
9) Trichlorofluoromethane	1.754	101	4248	0.169	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	3034	0.207	ug/L #	85
12) 1,1-Dichloroethene	2.118	96	2778	0.199	ug/L #	1
13) Acetone	2.195	43	3022	1.970	ug/L	74
14) Carbon disulfide	2.294	76	6476	0.165	ug/L #	89
15) Methyl Acetate	2.452	43	862m	0.215	ug/L	
16) Methylene chloride	2.510	84	4317	0.313	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	4792	0.174	ug/L	97
18) trans-1,2-Dichloroethene	2.767	96	2517	0.184	ug/L	93
19) 1,1-Dichloroethane	3.198	63	4607	0.184	ug/L	96
21) 2-Butanone	4.015	43	4728m	1.994	ug/L	
22) cis-1,2-Dichloroethene	3.912	96	2640	0.183	ug/L	95
23) Bromochloromethane	4.259	128	859	0.154	ug/L	89
25) Chloroform	4.375	83	7407	0.283	ug/L	93

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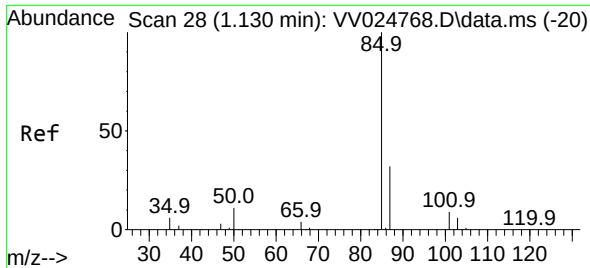
Quant Time: Feb 22 03:37:09 2022
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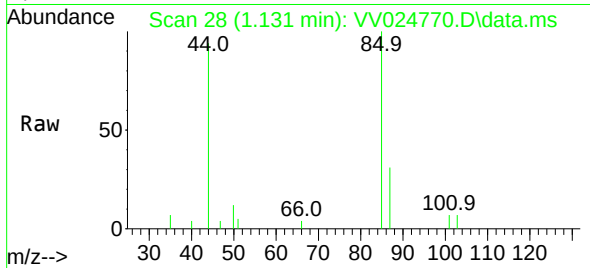
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	2426	0.174	ug/L #	73
29) 1,1,1-Trichloroethane	4.606	97	3744	0.170	ug/L	97
30) Cyclohexane	4.680	56	4043	0.181	ug/L	97
31) Carbon tetrachloride	4.831	117	3205	0.173	ug/L	95
33) Benzene	5.105	78	10792	0.194	ug/L	100
34) Trichloroethene	5.921	95	2709	0.184	ug/L	95
35) Methylcyclohexane	6.130	83	4327	0.182	ug/L	95
37) 1,2-Dichloropropane	6.179	63	2541	0.194	ug/L #	86
38) Bromodichloromethane	6.516	83	2890	0.175	ug/L	91
39) cis-1,3-Dichloropropene	7.040	75	3170	0.174	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	9547	1.529	ug/L #	86
42) Toluene	7.391	91	12533	0.212	ug/L	97
44) trans-1,3-Dichloropropene	7.661	75	3279m	0.225	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	1477	0.173	ug/L	94
47) Tetrachloroethene	7.976	164	1665	0.166	ug/L	95
48) 2-Hexanone	8.143	43	17717	4.037	ug/L	95
49) Dibromochloromethane	8.246	129	1631	0.172	ug/L	89
50) 1,2-Dibromoethane	8.365	107	1185	0.152	ug/L #	99
51) Chlorobenzene	8.883	112	6327	0.171	ug/L	92
52) Ethylbenzene	9.018	91	10726	0.166	ug/L	97
53) m,p-xylene	9.143	106	4045	0.166	ug/L	95
54) o-xylene	9.545	106	3778	0.158	ug/L	100
55) Styrene	9.567	104	5244	0.135	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.239	83	1524	0.169	ug/L #	95
59) Bromoform	9.731	173	428	0.116	ug/L #	56
60) Isopropylbenzene	9.934	105	10087	0.167	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	1169	0.176	ug/L	94
62) 1,3,5-Trimethylbenzene	10.539	105	8177	0.162	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	8390	0.168	ug/L	94
64) 1,3-Dichlorobenzene	11.182	146	4523	0.177	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	4407	0.173	ug/L	84
67) 1,2-Dichlorobenzene	11.638	146	4092	0.182	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.426	75	99	0.087	ug/L #	7
69) 1,3,5-Trichlorobenzene	12.648	180	3032	0.168	ug/L	98
70) 1,2,4-trichlorobenzene	13.265	180	2265	0.159	ug/L	93
71) Naphthalene	13.506	128	3612	0.149	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.744	180	1961	0.164	ug/L	94

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



#2
 Dichlorodifluoromethane
 Concen: 0.175 ug/L
 RT: 1.131 min Scan# 28
 Delta R.T. 0.000 min
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 Acq: 21 Feb 2022 12:45

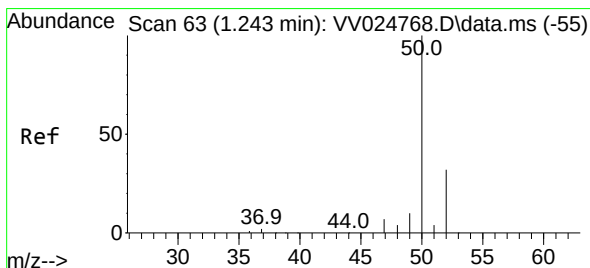
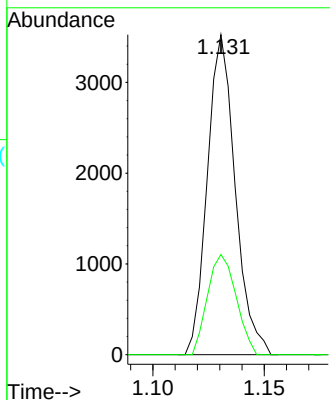
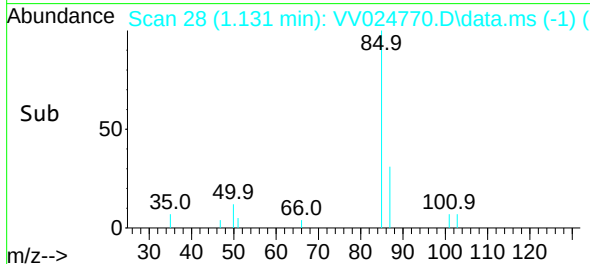
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT1-2022-02



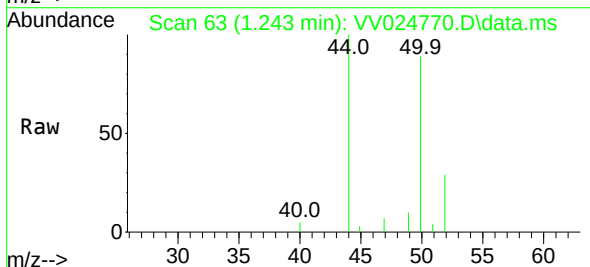
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 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9

Manual Integrations
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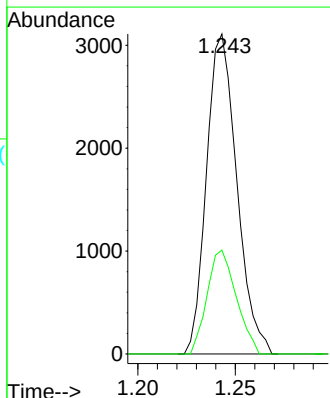
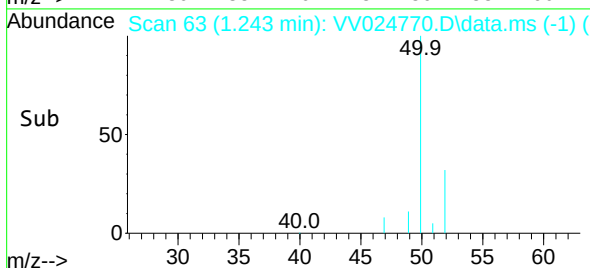
Reviewed By :John Carlone 02/22/2022
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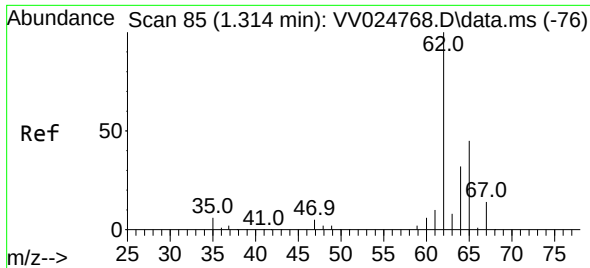


#3
 Chloromethane
 Concen: 0.192 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45



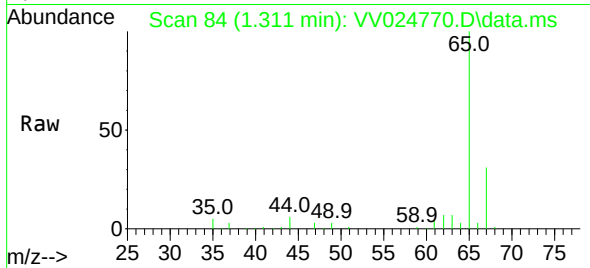
Tgt Ion: 50 Resp: 3363
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.3 43.3





#5
 Vinyl chloride
 Concen: 0.171 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45

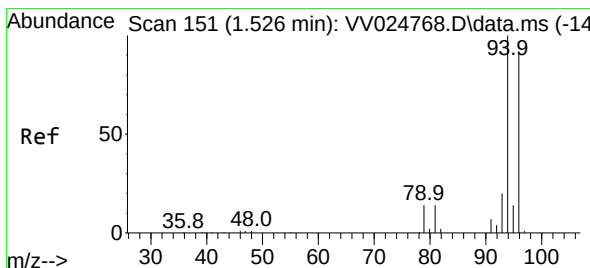
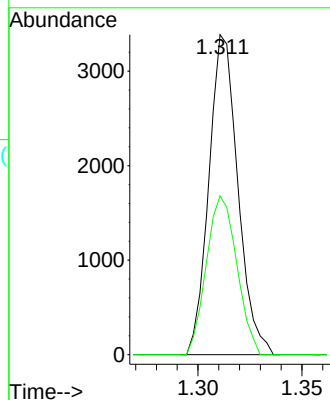
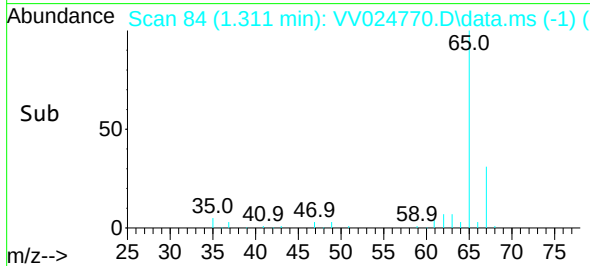
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02



Tgt Ion: 62 Resp: 3280
 Ion Ratio Lower Upper
 62 100
 64 49.6 22.2 41.2

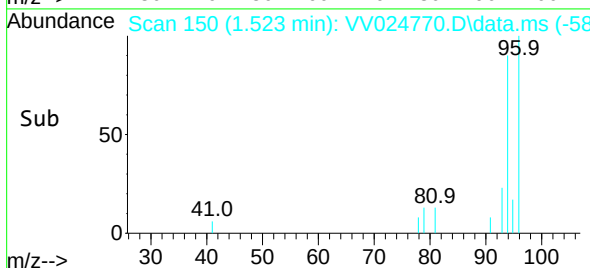
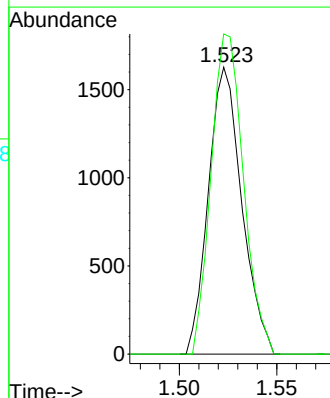
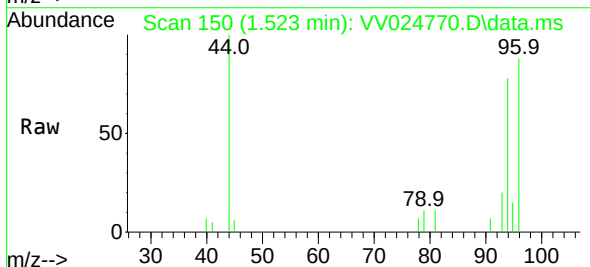
Manual Integrations
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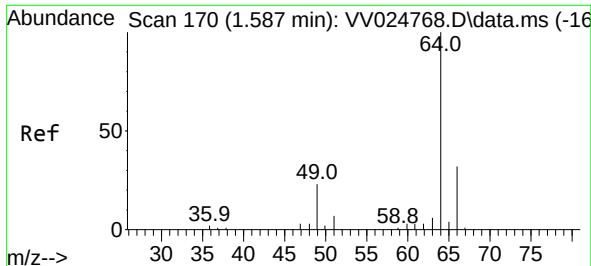
Reviewed By :John Carlone 02/22/2022
 Supervised By :Mahesh Dadoda 02/23/2022



#6
 Bromomethane
 Concen: 0.169 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.003 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45

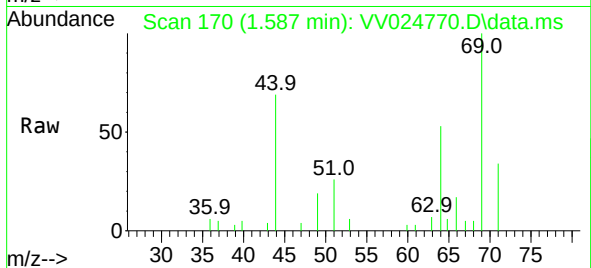
Tgt Ion: 94 Resp: 1944
 Ion Ratio Lower Upper
 94 100
 96 111.6 66.5 123.5





#8
Chloroethane
Concen: 0.168 ug/L
RT: 1.587 min Scan# 170
Delta R.T. 0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

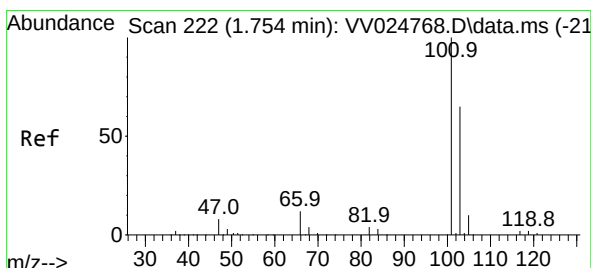
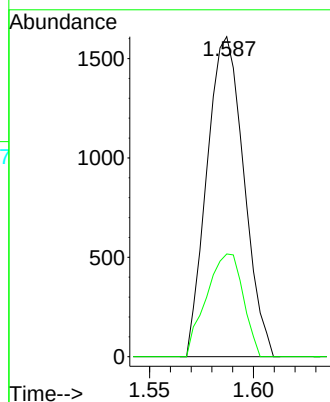
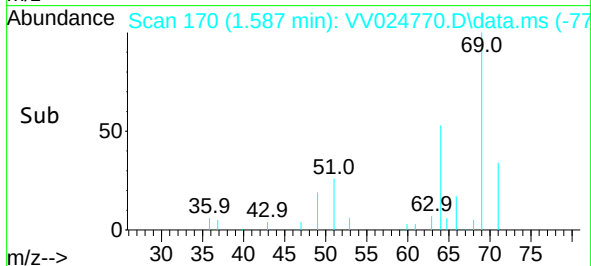
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



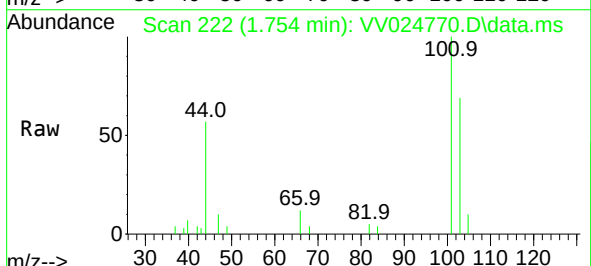
Tgt Ion: 64 Resp: 1985
Ion Ratio Lower Upper
64 100
66 29.1 22.5 41.9

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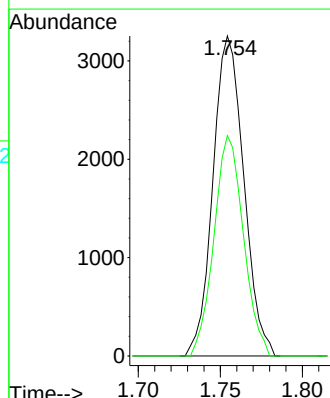
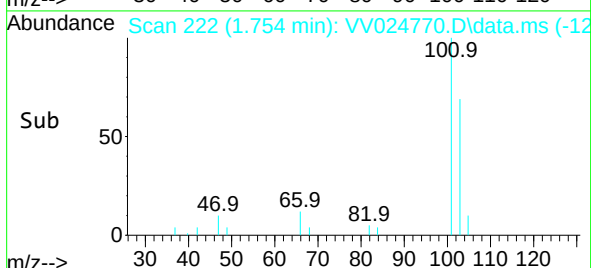
Reviewed By :John Carlone 02/22/2022
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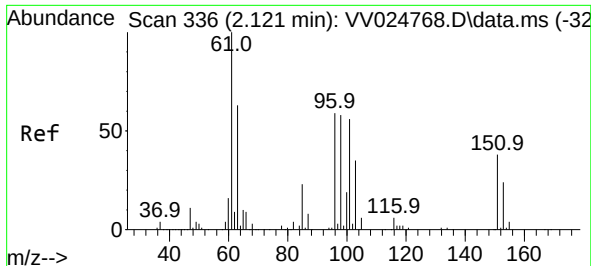


#9
Trichlorofluoromethane
Concen: 0.169 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



Tgt Ion:101 Resp: 4248
Ion Ratio Lower Upper
101 100
103 65.7 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.207 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

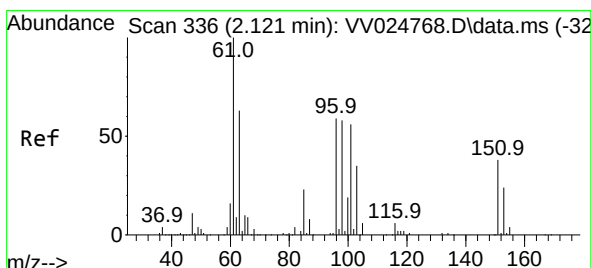
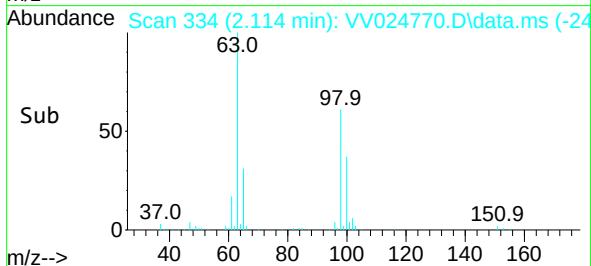
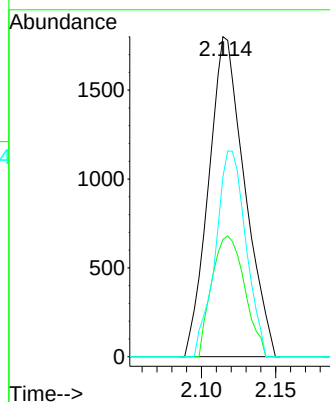
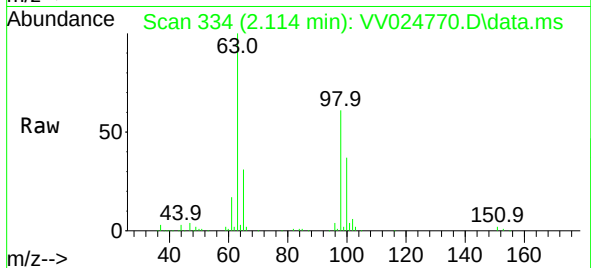
Tgt Ion:	101	Resp:	3034
Ion Ratio	Lower	Upper	
101	100		
85	34.4	34.7	52.1
151	54.2	53.5	80.3

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 0.199 ug/L

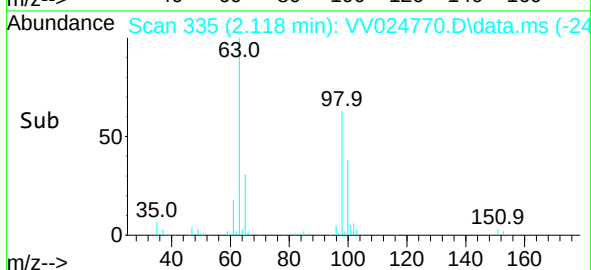
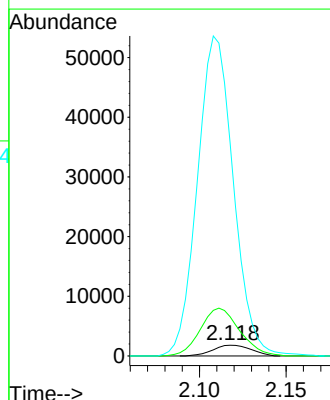
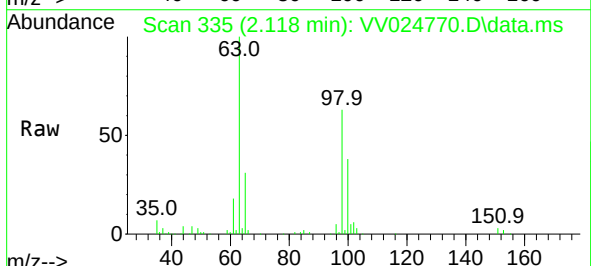
RT: 2.118 min Scan# 335

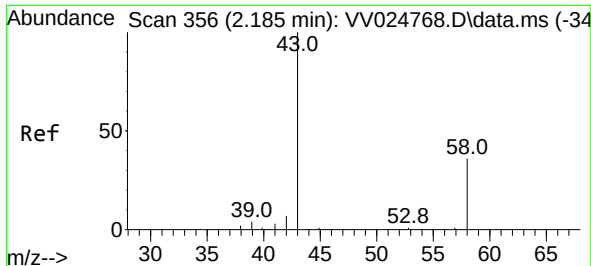
Delta R.T. -0.003 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

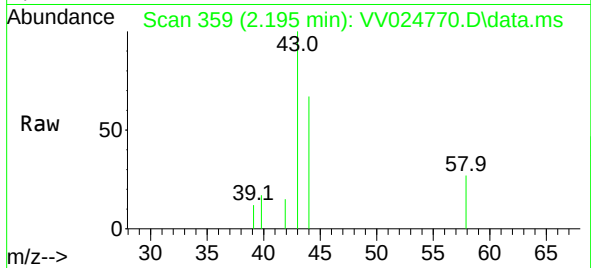
Tgt Ion:	96	Resp:	2778
Ion Ratio	Lower	Upper	
96	100		
61	363.4	116.3	216.1#
63	1971.3	86.0	159.6#





#13
Acetone
Concen: 1.970 ug/L
RT: 2.195 min Scan# 302
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

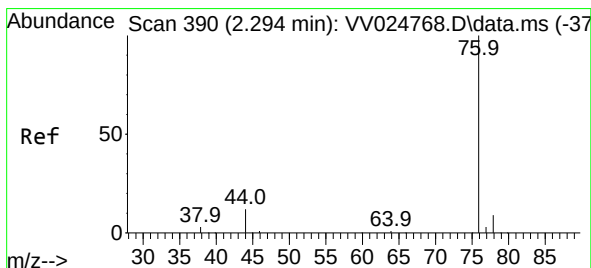
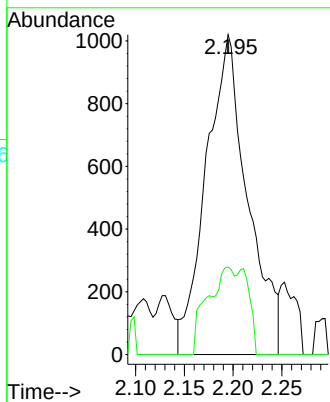
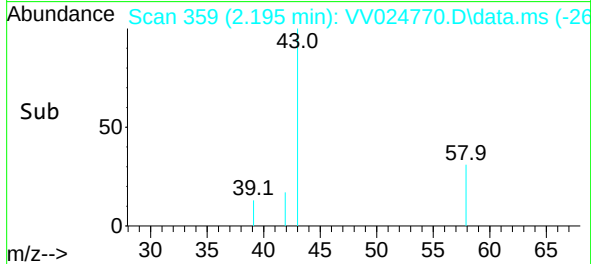
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



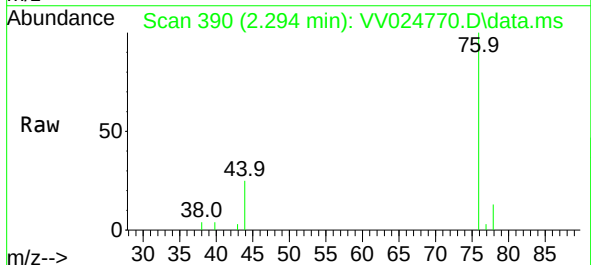
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Ion Ratio Lower Upper
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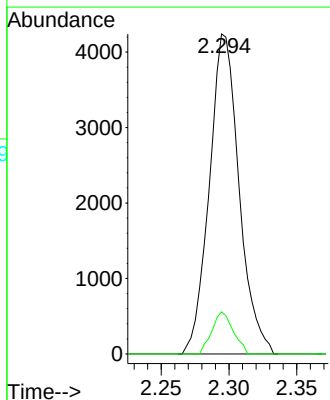
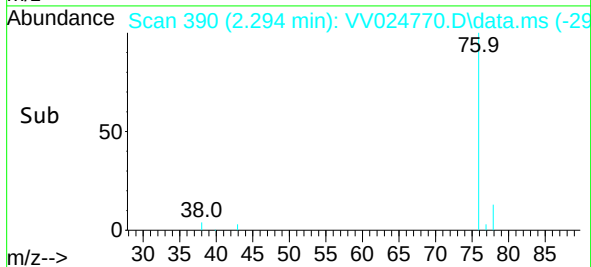
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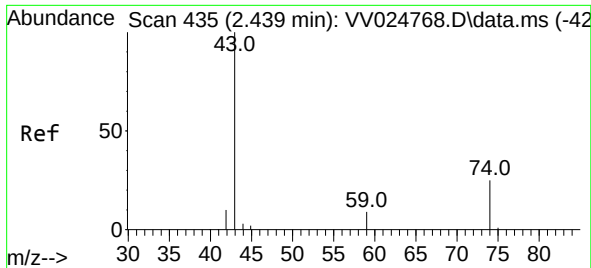


#14
Carbon disulfide
Concen: 0.165 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



Tgt Ion: 76 Resp: 6476
Ion Ratio Lower Upper
76 100
78 13.2 7.3 10.9#





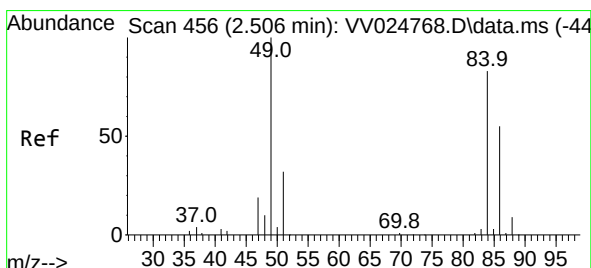
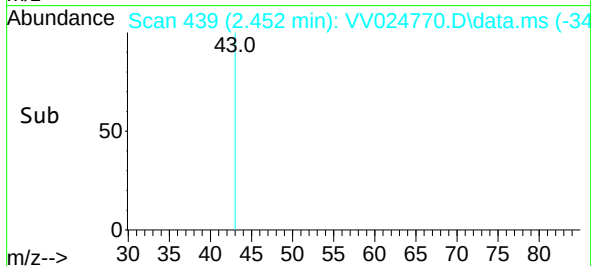
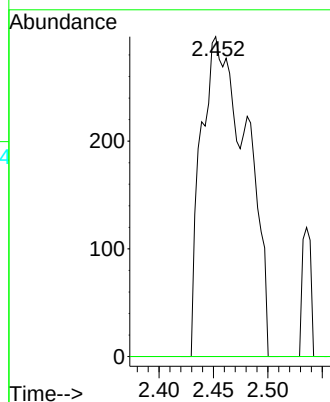
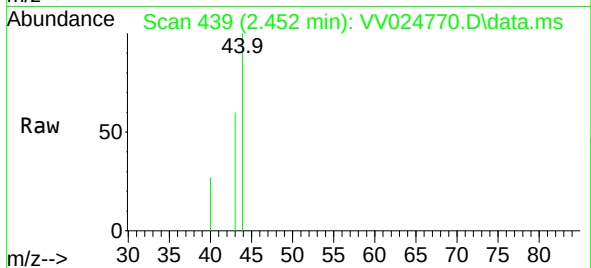
#15
Methyl Acetate
Concen: 0.215 ug/L m
RT: 2.452 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2

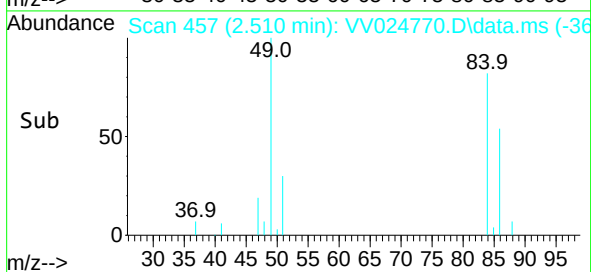
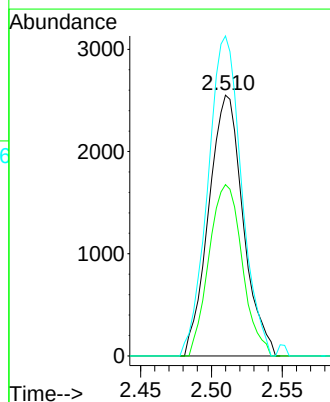
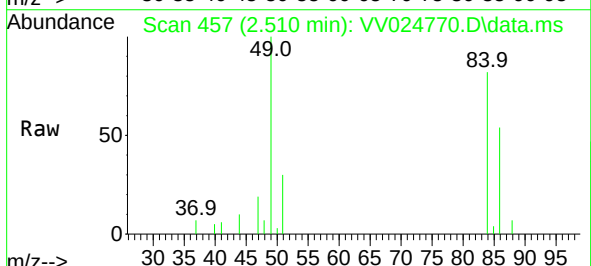
Manual Integrations
APPROVED

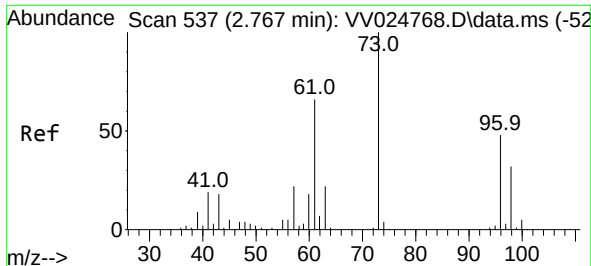
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#16
Methylene chloride
Concen: 0.313 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

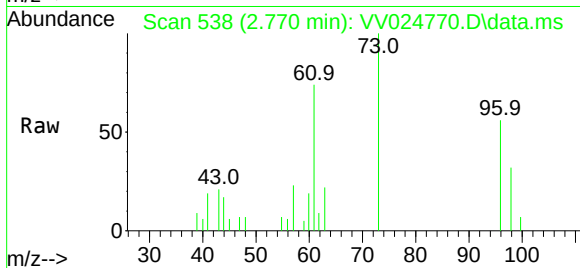
Tgt Ion: 84 Resp: 4317
Ion Ratio Lower Upper
84 100
86 65.7 45.1 83.7
49 122.7 83.5 155.1





#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

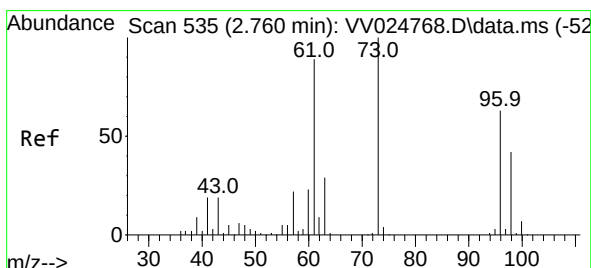
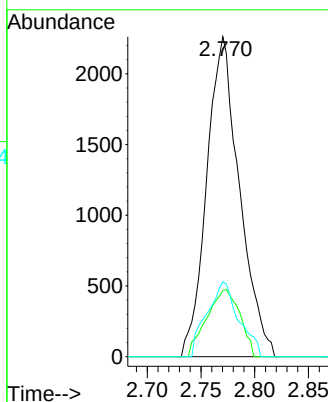
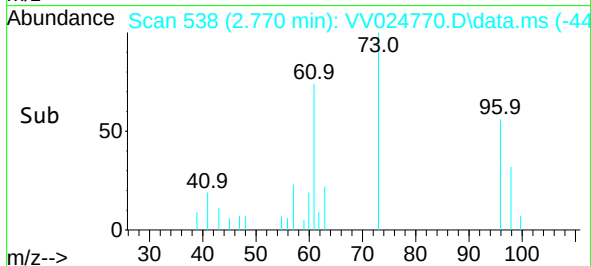
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



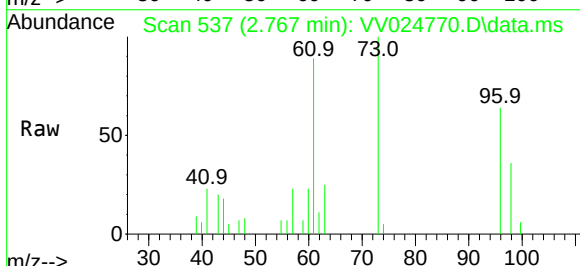
Tgt Ion: 73 Resp: 4792
Ion Ratio Lower Upper
73 100
43 21.2 15.1 22.7
57 22.7 17.4 26.2

Manual Integrations
APPROVED

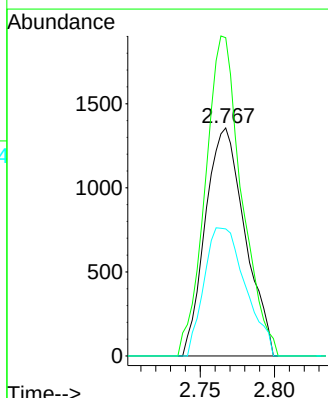
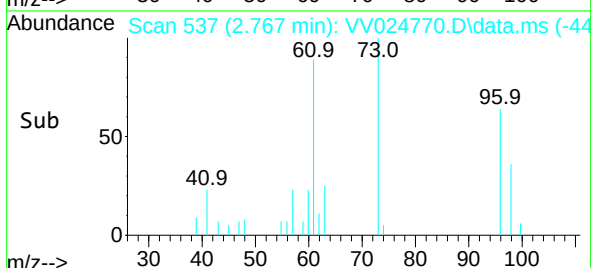
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022

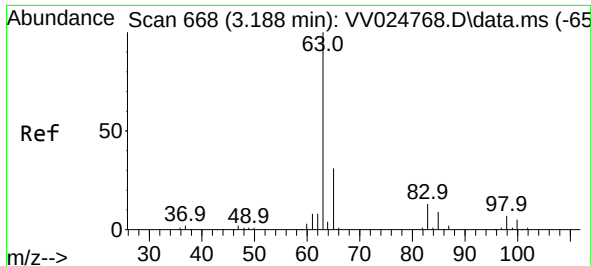


#18
trans-1,2-Dichloroethene
Concen: 0.184 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.007 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



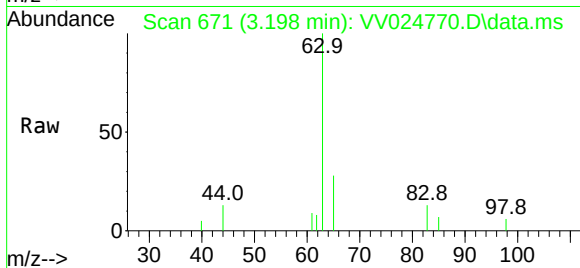
Tgt Ion: 96 Resp: 2517
Ion Ratio Lower Upper
96 100
61 139.6 92.9 172.5
98 55.8 44.5 82.7





#19
1,1-Dichloroethane
Concen: 0.184 ug/L
RT: 3.198 min Scan# 61
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

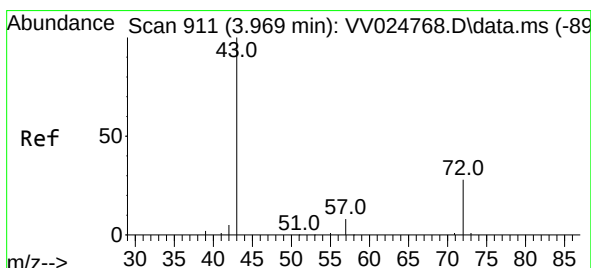
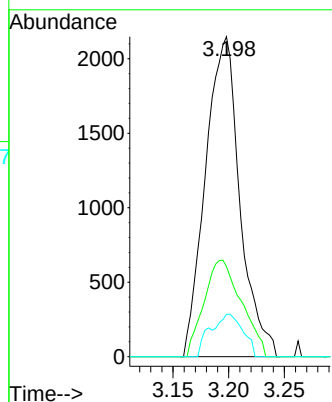
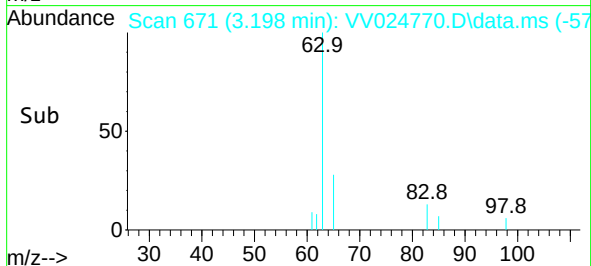
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 63 Resp: 460
Ion Ratio Lower Upper
63 100
65 28.2 22.0 40.8
83 13.3 9.5 17.7

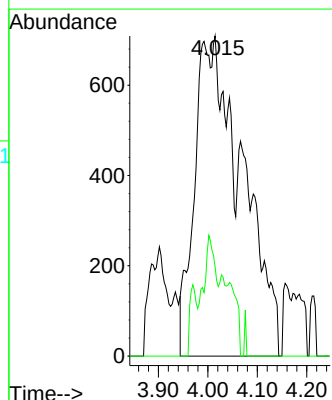
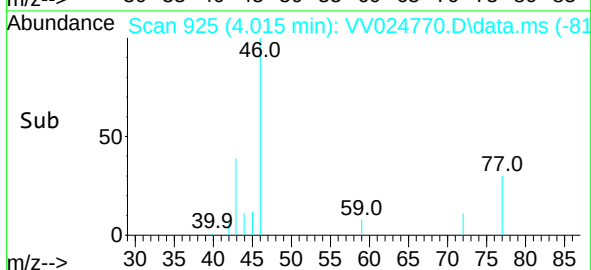
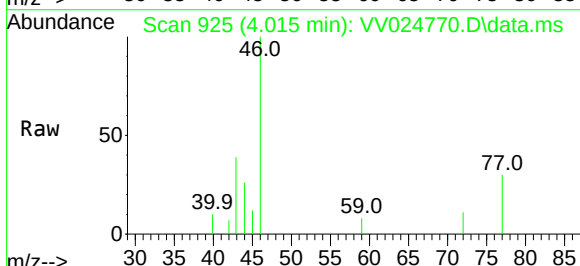
Manual Integrations
APPROVED

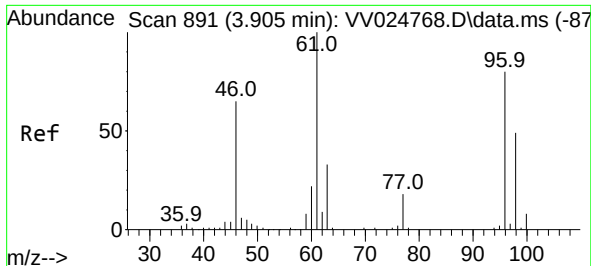
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#21
2-Butanone
Concen: 1.994 ug/L m
RT: 4.015 min Scan# 925
Delta R.T. 0.046 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

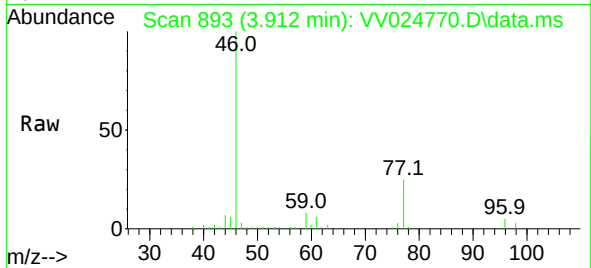
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
72 5.8 13.2 39.6#





#22
 cis-1,2-Dichloroethene
 Concen: 0.183 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.007 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45

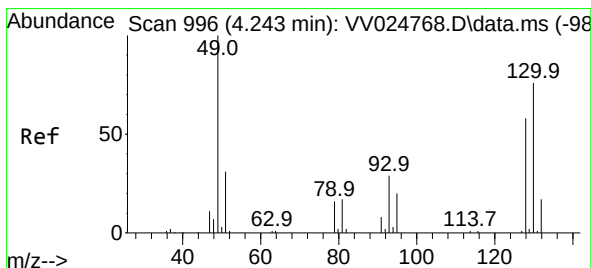
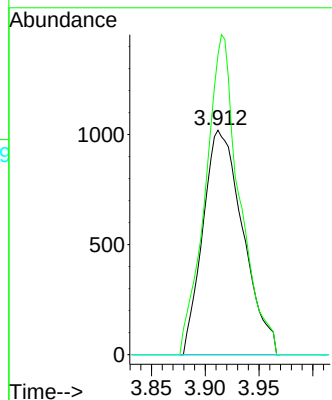
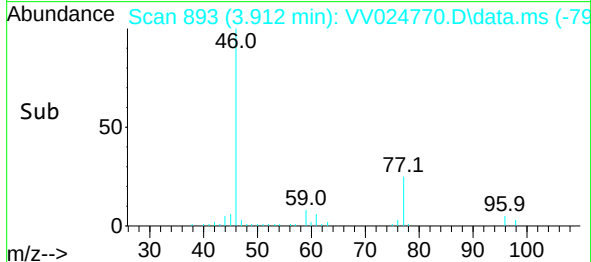
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02



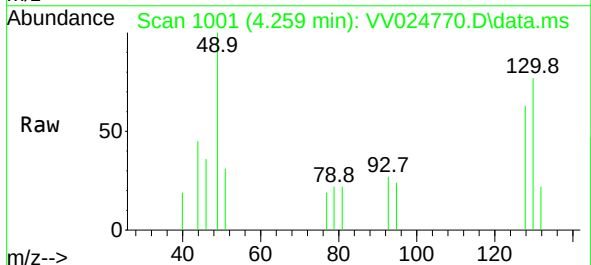
Tgt Ion: 96 Resp: 2640
 Ion Ratio Lower Upper
 96 100
 61 133.5 89.7 166.5
 68 0.0 0.0 0.0

Manual Integrations
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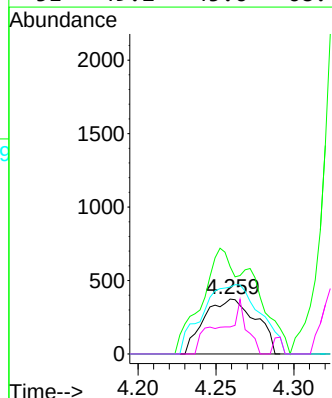
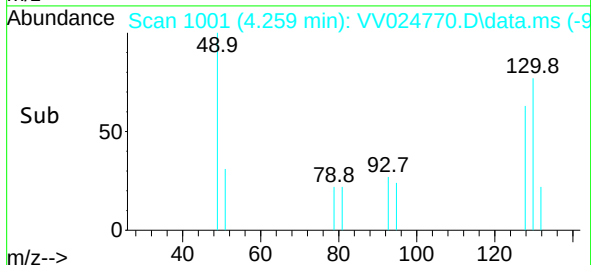
Reviewed By :John Carlone 02/22/2022
 Supervised By :Mahesh Dadoda 02/23/2022

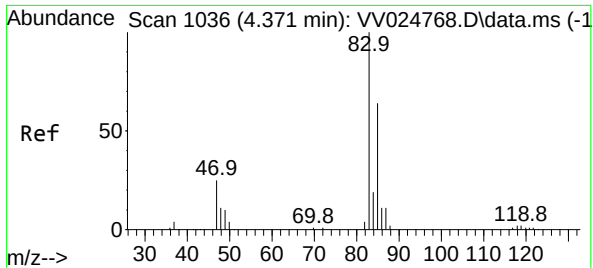


#23
 Bromochloromethane
 Concen: 0.154 ug/L
 RT: 4.259 min Scan# 1001
 Delta R.T. 0.016 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45



Tgt Ion:128 Resp: 859
 Ion Ratio Lower Upper
 128 100
 49 159.1 124.2 230.6
 130 121.9 92.1 171.1
 51 49.2 45.6 68.4





#25

Chloroform

Concen: 0.283 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 83 Resp: 740

Ion Ratio Lower Upper

83 100

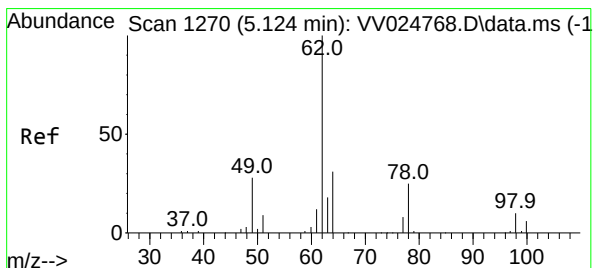
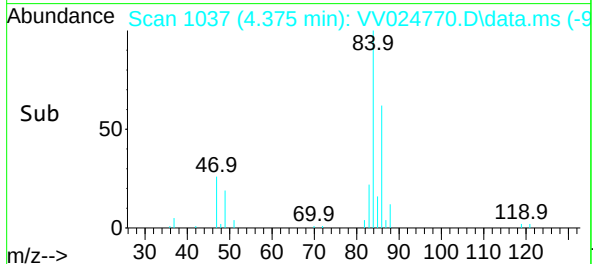
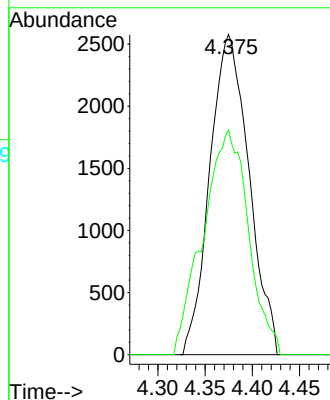
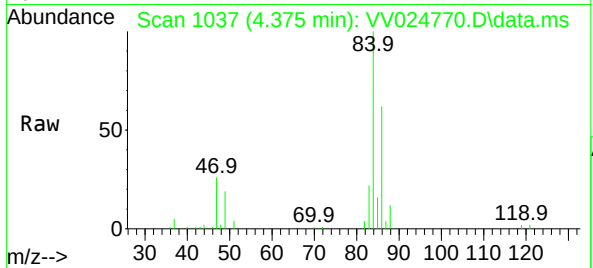
85 70.3 45.5 84.5

Manual Integrations

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Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#27

1,2-Dichloroethane

Concen: 0.174 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.020 min

Lab File: VV024770.D

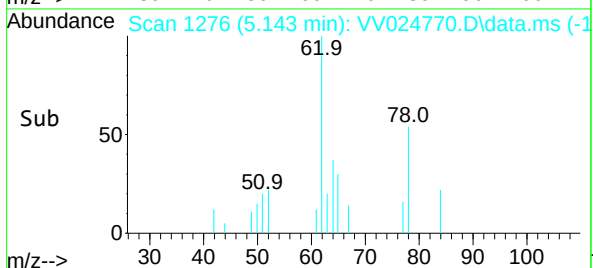
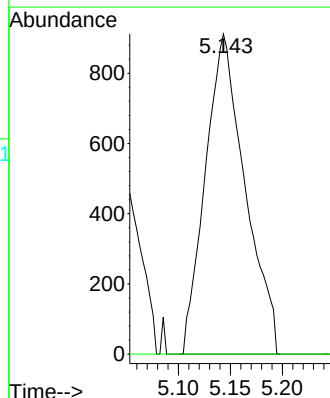
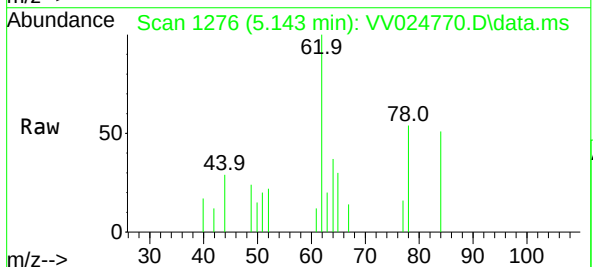
Acq: 21 Feb 2022 12:45

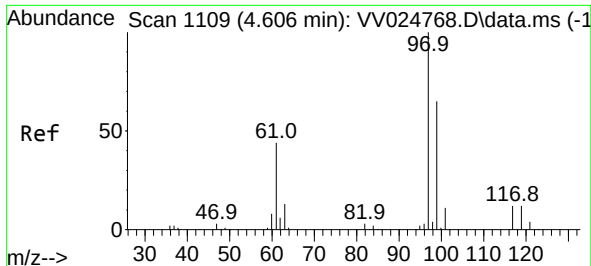
Tgt Ion: 62 Resp: 2426

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#





#29

1,1,1-Trichloroethane

Concen: 0.170 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

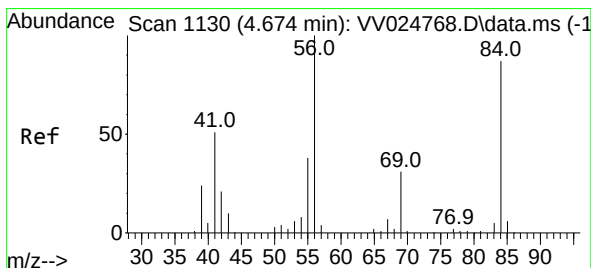
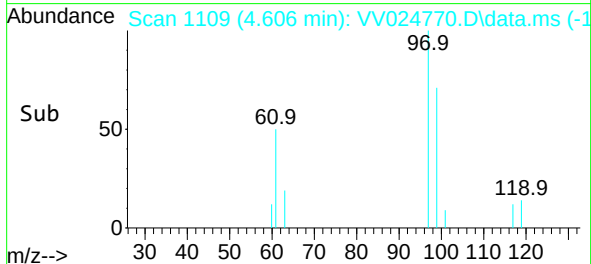
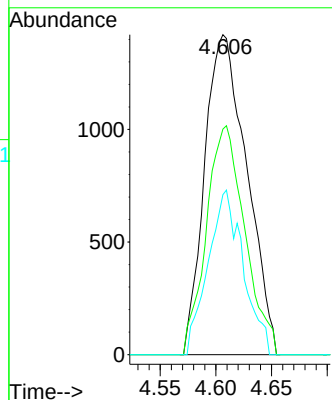
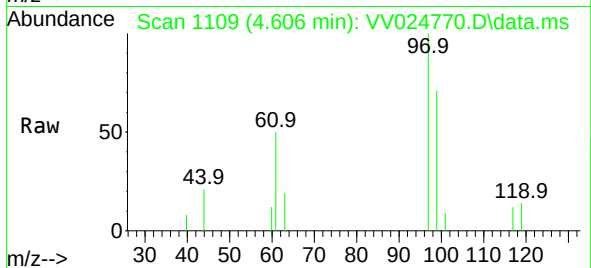
Tgt Ion: 97	Resp: 374
Ion Ratio	Lower Upper
97 100	
99 65.3	50.5 75.7
61 42.8	35.8 53.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#30

Cyclohexane

Concen: 0.181 ug/L

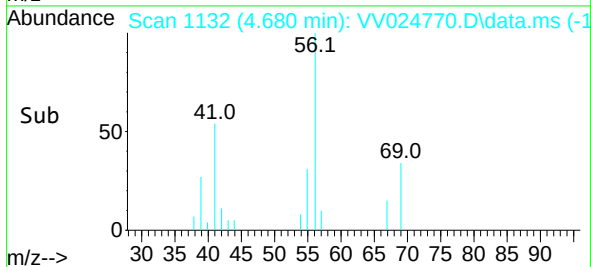
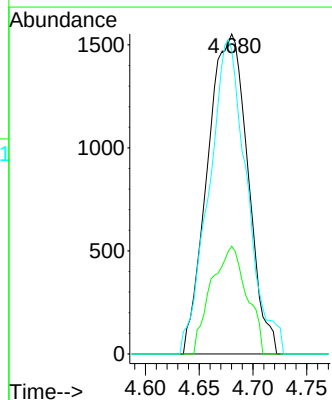
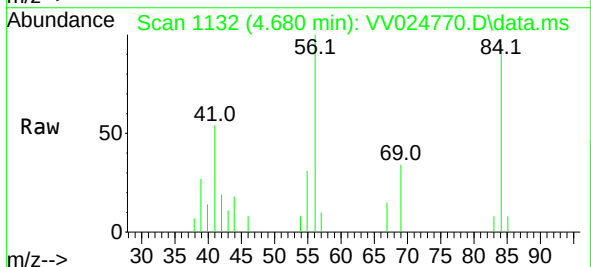
RT: 4.680 min Scan# 1132

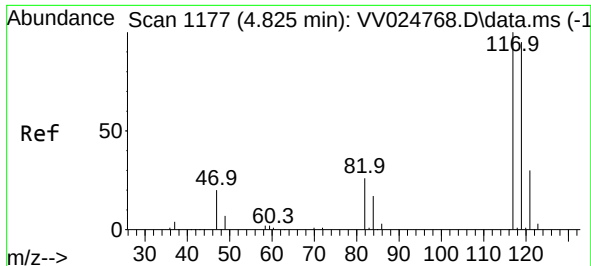
Delta R.T. 0.007 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

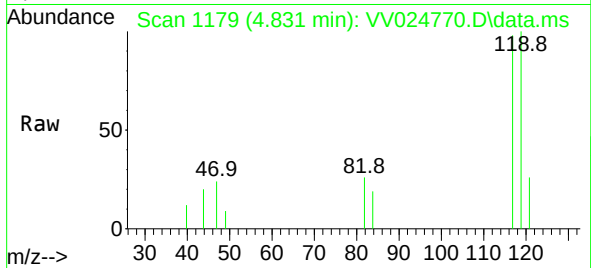
Tgt Ion: 56	Resp: 4043
Ion Ratio	Lower Upper
56 100	
69 29.6	24.6 37.0
84 92.4	71.4 107.0





#31
Carbon tetrachloride
Concen: 0.173 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.007 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

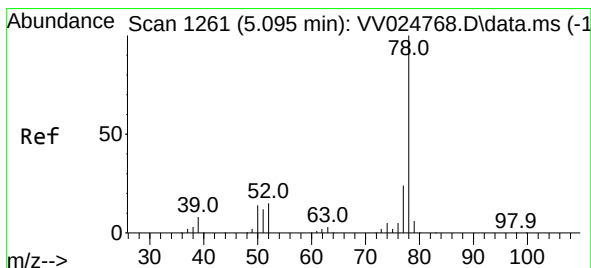
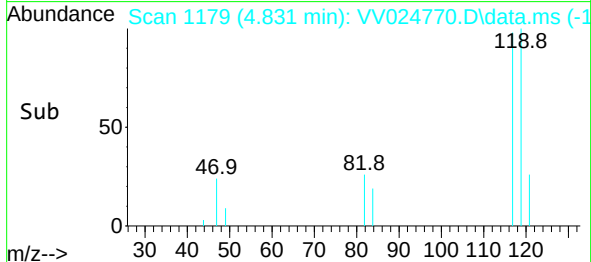
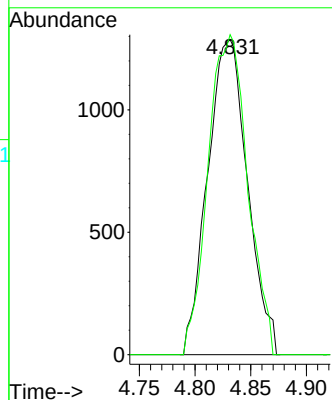
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion:117 Resp: 320
Ion Ratio Lower Upper
117 100
119 100.9 76.6 115.0

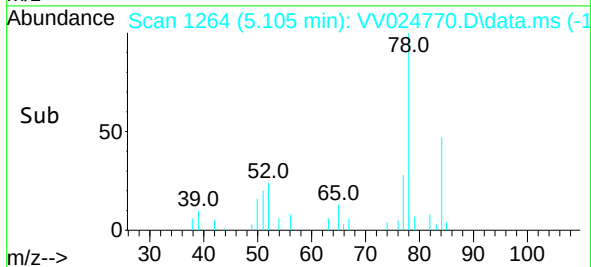
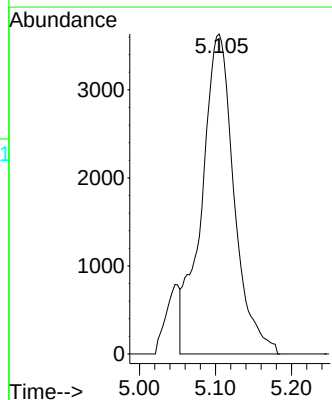
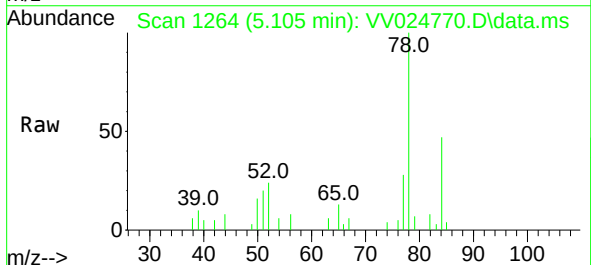
Manual Integrations
APPROVED

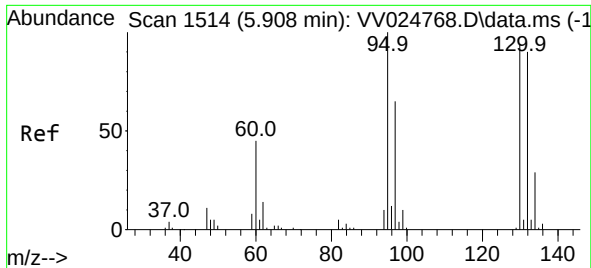
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#33
Benzene
Concen: 0.194 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

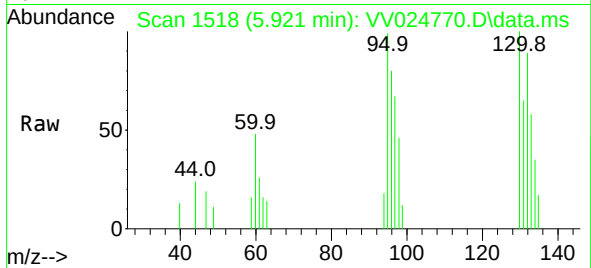
Tgt Ion: 78 Resp: 10792





#34
Trichloroethene
Concen: 0.184 ug/L
RT: 5.921 min Scan# 1514
Delta R.T. 0.013 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

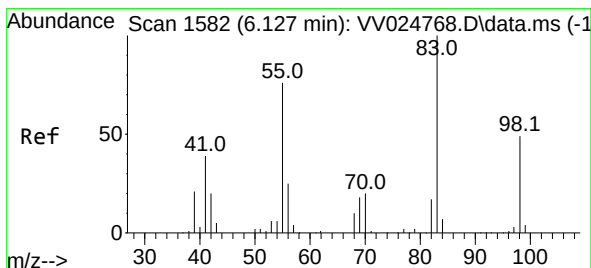
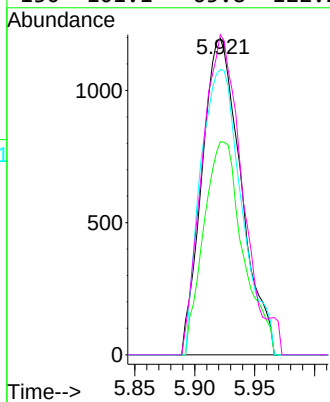
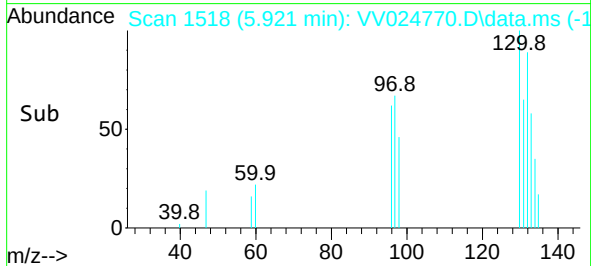
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



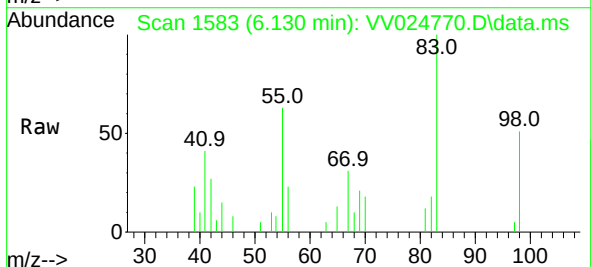
Tgt Ion: 95 Resp: 2709
Ion Ratio Lower Upper
95 100
97 67.3 44.2 82.0
132 90.1 62.1 115.3
130 101.1 65.8 122.2

Manual Integrations
APPROVED

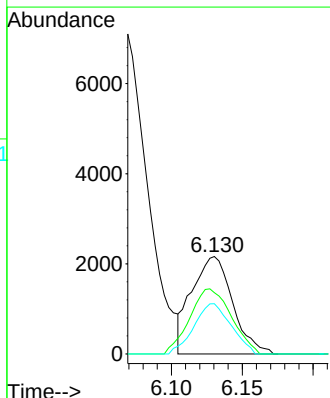
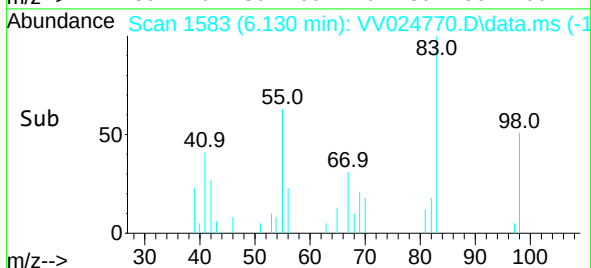
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022

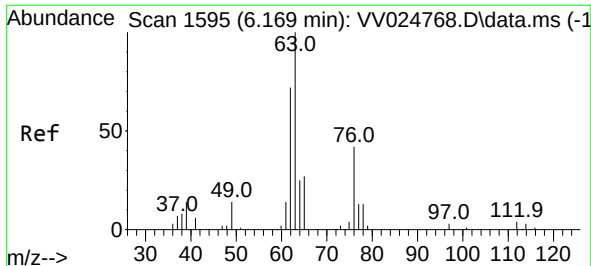


#35
Methylcyclohexane
Concen: 0.182 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



Tgt Ion: 83 Resp: 4327
Ion Ratio Lower Upper
83 100
55 68.2 58.8 88.2
98 47.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 0.194 ug/L

RT: 6.179 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 63 Resp: 254

Ion Ratio Lower Upper

63 100

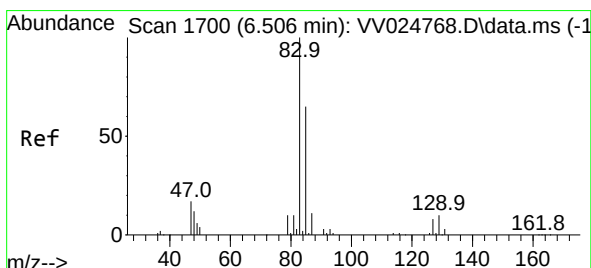
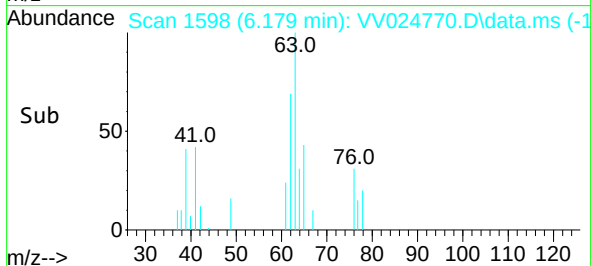
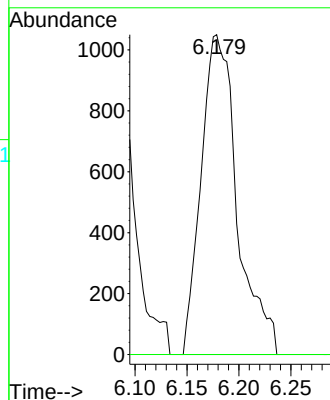
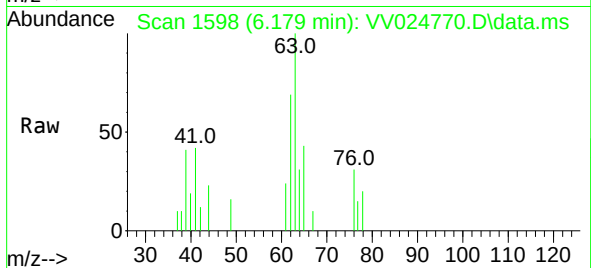
112 0.0 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#38

Bromodichloromethane

Concen: 0.175 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.010 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

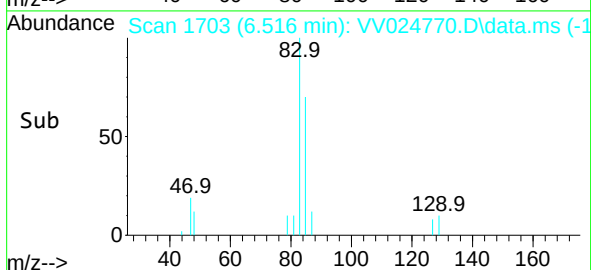
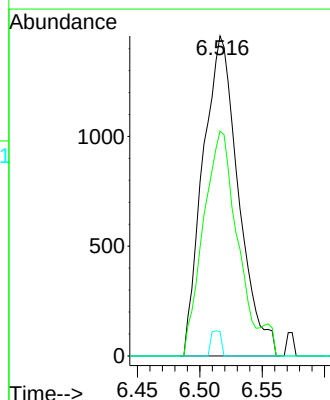
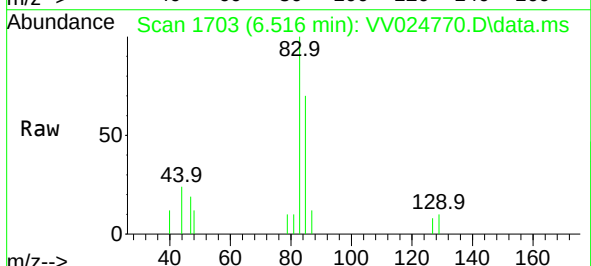
Tgt Ion: 83 Resp: 2890

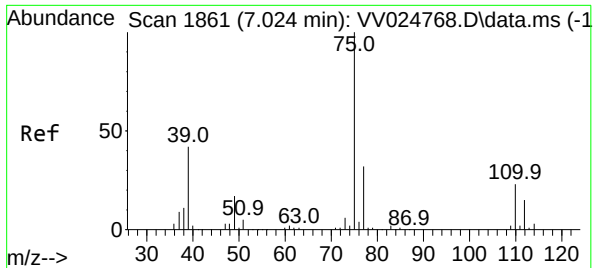
Ion Ratio Lower Upper

83 100

85 70.2 43.5 80.9

127 7.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.174 ug/L

RT: 7.040 min Scan# 1861

Delta R.T. 0.016 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

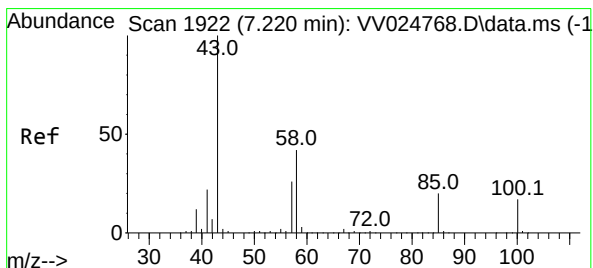
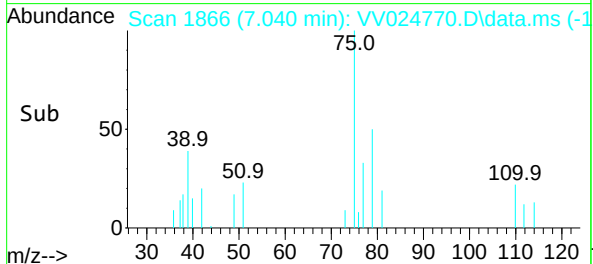
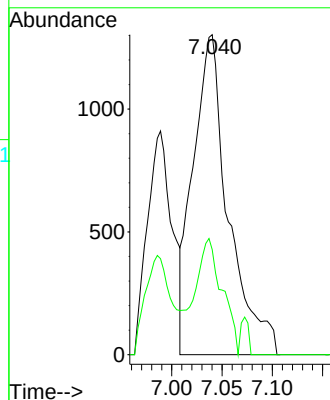
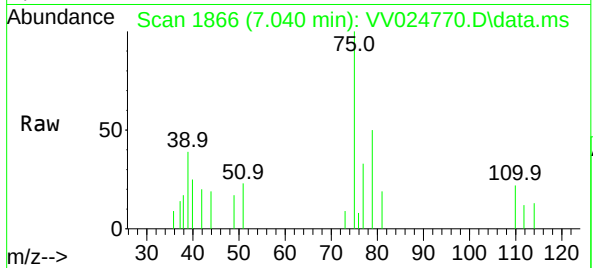
Tgt Ion: 75 Resp: 3170
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.5

Manual Integrations

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Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#40

4-Methyl-2-pentanone

Concen: 1.529 ug/L

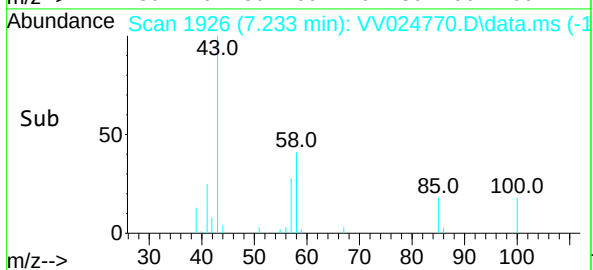
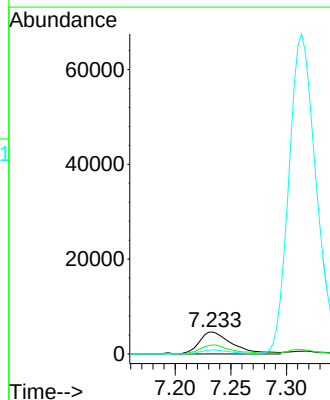
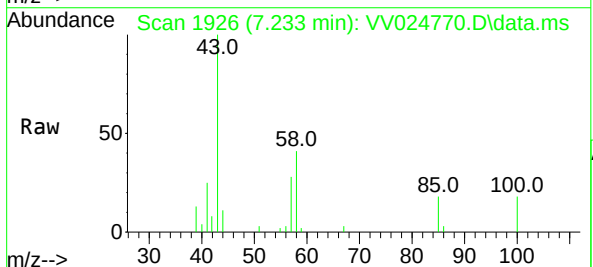
RT: 7.233 min Scan# 1926

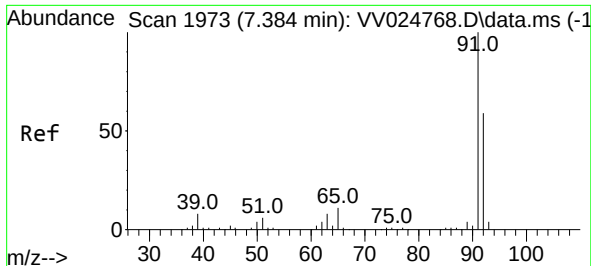
Delta R.T. 0.013 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Tgt Ion: 43 Resp: 9547
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.0 49.6
 100 0.0 13.3 19.9





#42

Toluene

Concen: 0.212 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.007 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 91 Resp: 1253

Ion Ratio Lower Upper

91 100

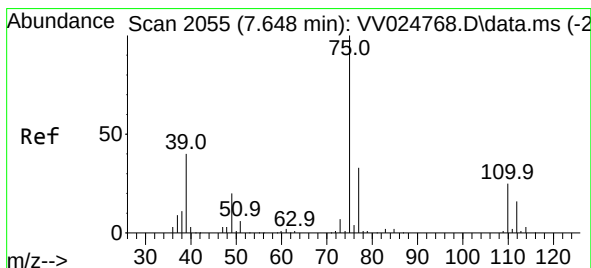
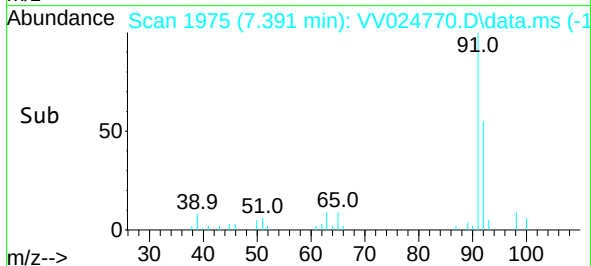
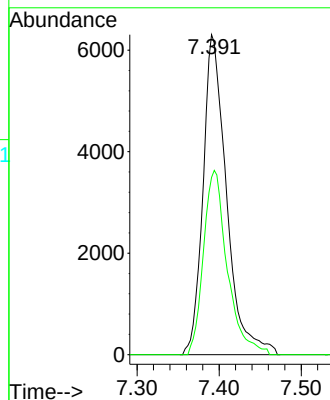
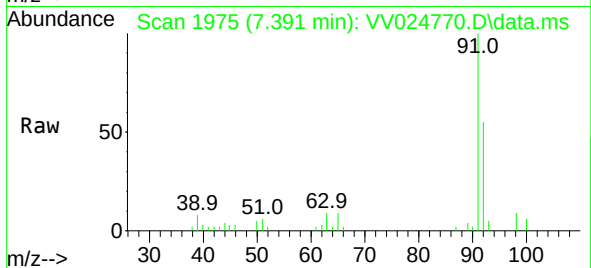
92 55.4 40.3 74.9

Manual Integrations

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Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#44

trans-1,3-Dichloropropene

Concen: 0.225 ug/L m

RT: 7.661 min Scan# 2059

Delta R.T. 0.013 min

Lab File: VV024770.D

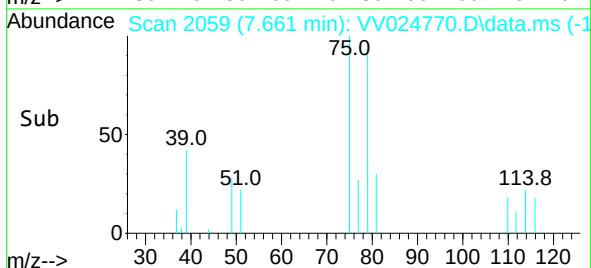
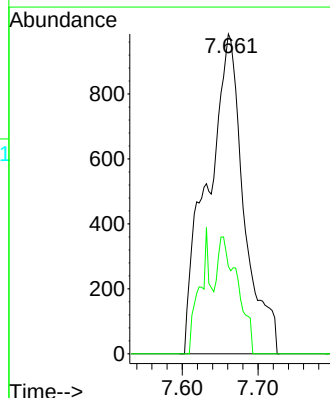
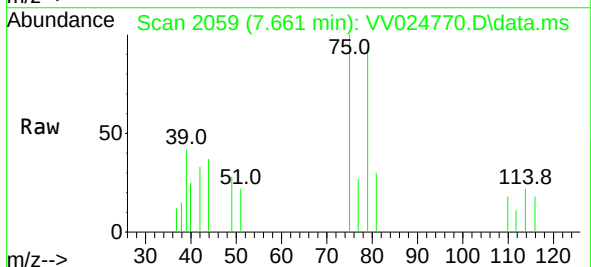
Acq: 21 Feb 2022 12:45

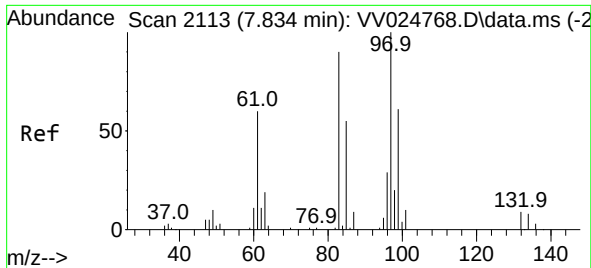
Tgt Ion: 75 Resp: 3279

Ion Ratio Lower Upper

75 100

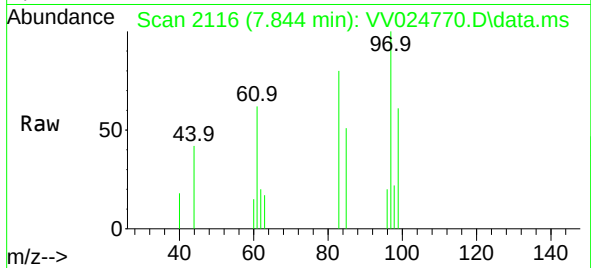
77 27.3 23.5 43.7





#45
1,1,2-Trichloroethane
Concen: 0.173 ug/L
RT: 7.844 min Scan# 2116
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

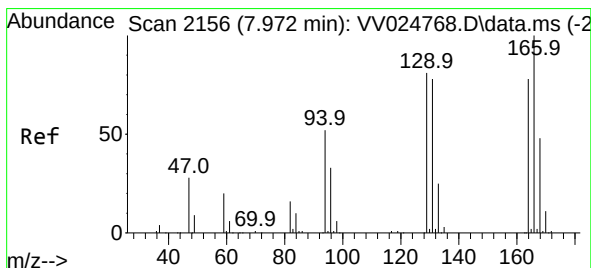
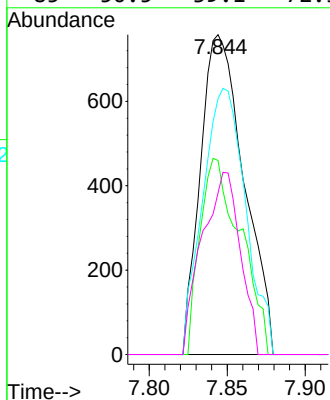
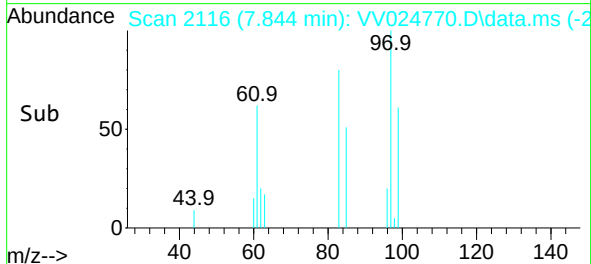
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



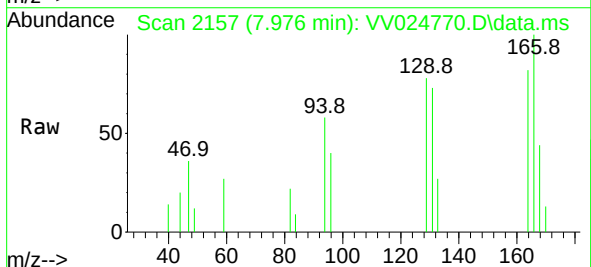
Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.8	81.3
83	79.9	61.3	113.9
85	50.5	39.1	72.5

Manual Integrations
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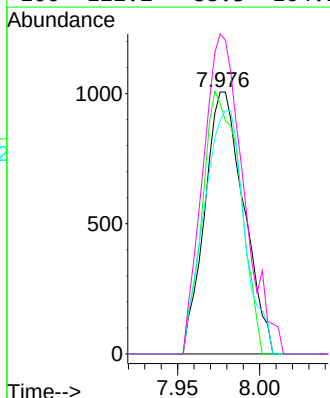
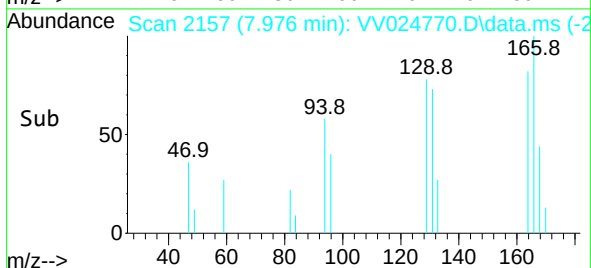
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022

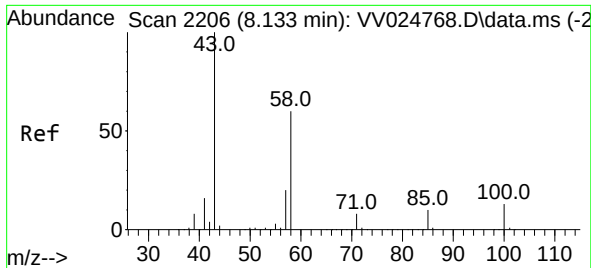


#47
Tetrachloroethene
Concen: 0.166 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



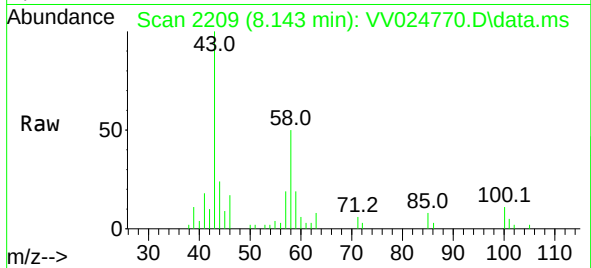
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.7	70.3	130.7
131	89.1	67.7	125.7
166	122.2	88.3	164.1





#48
2-Hexanone
Concen: 4.037 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

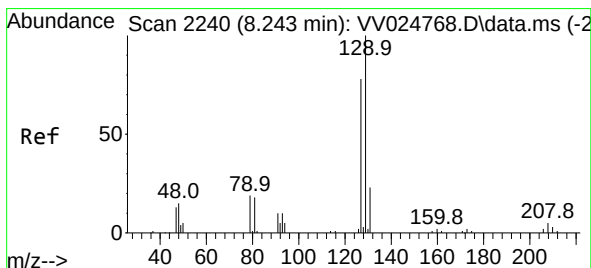
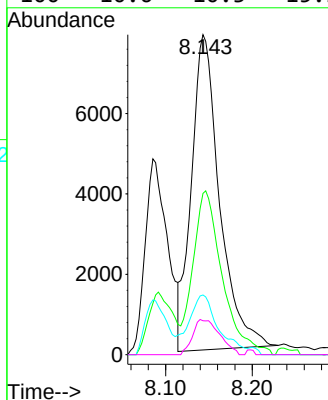
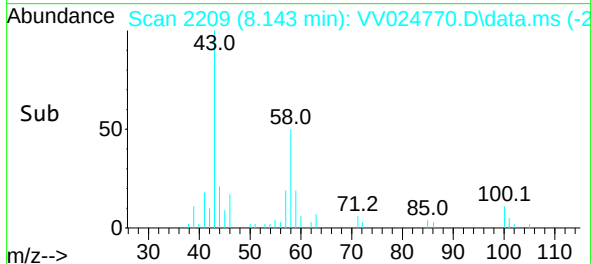
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 53.9 46.0 69.0
57 16.7 15.7 23.5
100 10.6 10.3 15.5

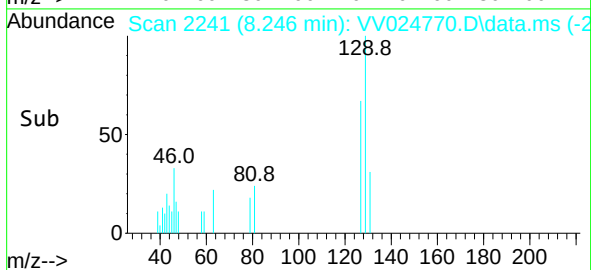
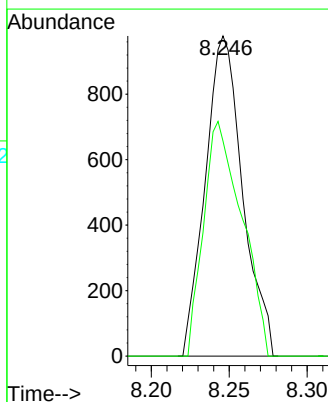
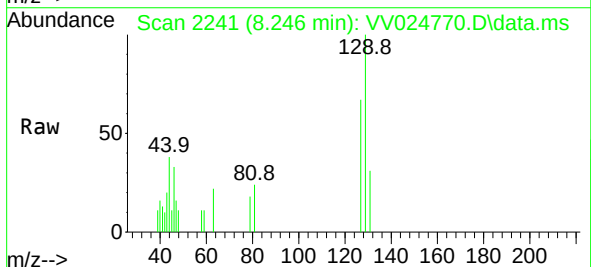
Manual Integrations
APPROVED

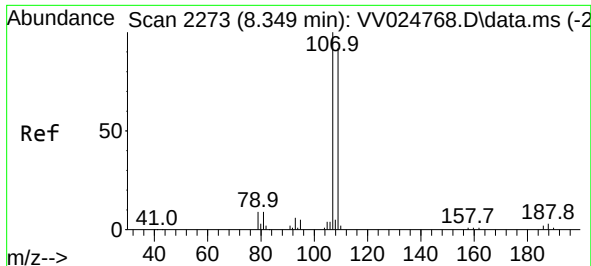
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#49
Dibromochloromethane
Concen: 0.172 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Tgt Ion:129 Resp: 1631
Ion Ratio Lower Upper
129 100
127 67.2 53.6 99.6





#50

1,2-Dibromoethane

Concen: 0.152 ug/L

RT: 8.365 min Scan# 2188

Delta R.T. 0.016 min

Lab File: VV024770.D

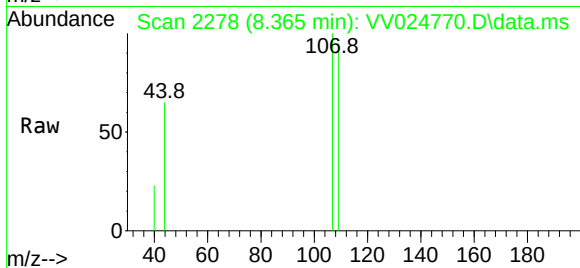
Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02



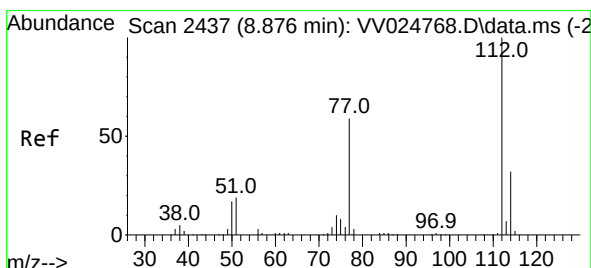
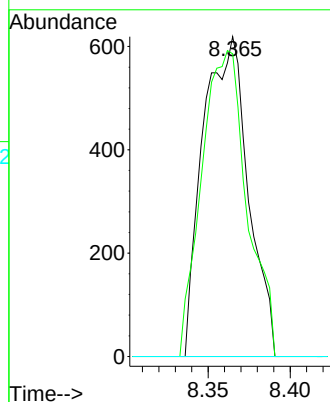
Tgt Ion:	107	Resp:	1188
Ion	Ratio	Lower	Upper
107	100		
109	94.7	65.6	121.8
188	0.0	2.6	3.8

Manual Integrations

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Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#51

Chlorobenzene

Concen: 0.171 ug/L

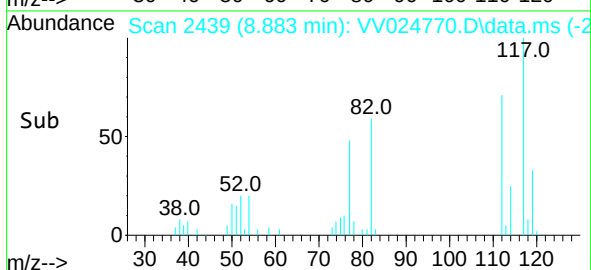
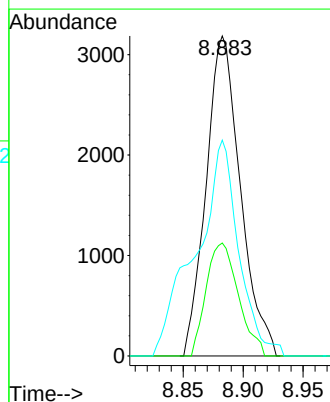
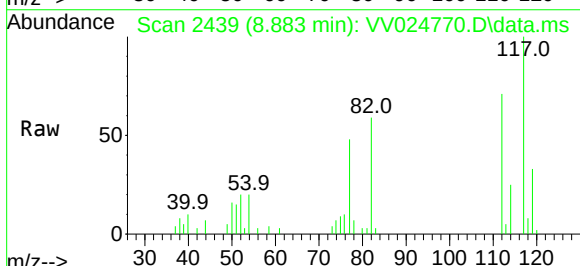
RT: 8.883 min Scan# 2439

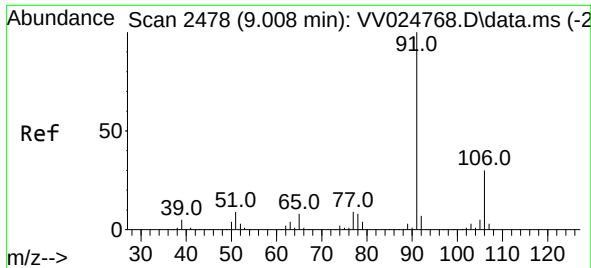
Delta R.T. 0.007 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45

Tgt Ion:	112	Resp:	6327
Ion	Ratio	Lower	Upper
112	100		
114	35.3	22.3	41.5
77	67.5	48.4	72.6





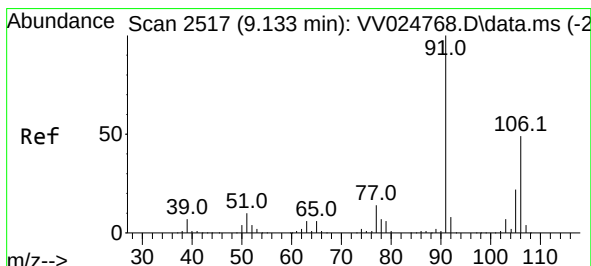
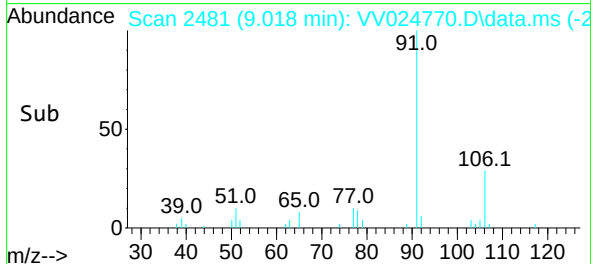
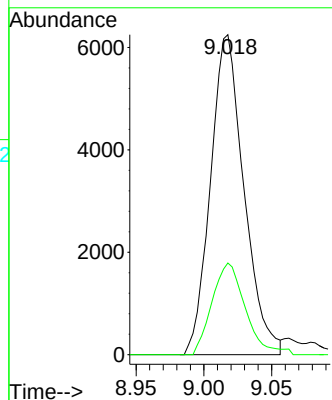
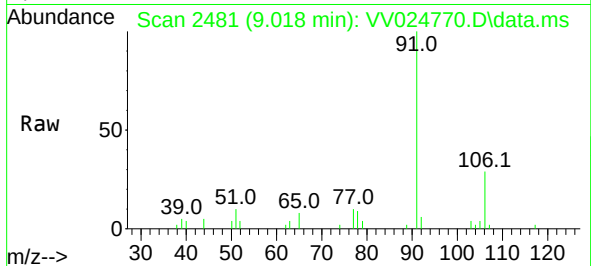
#52
Ethylbenzene
Concen: 0.166 ug/L
RT: 9.018 min Scan# 2478
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion: 91 Resp: 10720
Ion Ratio Lower Upper
91 100
106 28.6 21.3 39.5

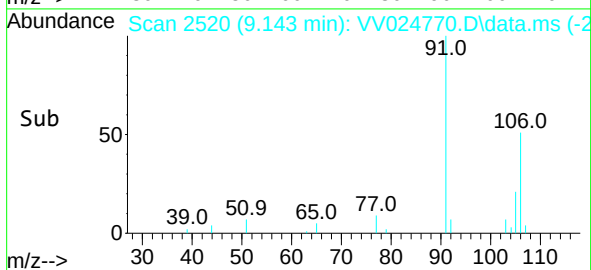
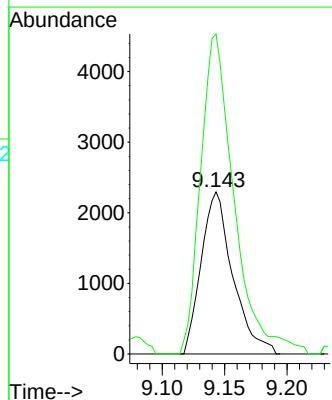
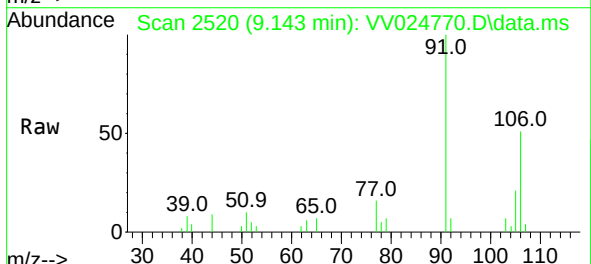
Manual Integrations
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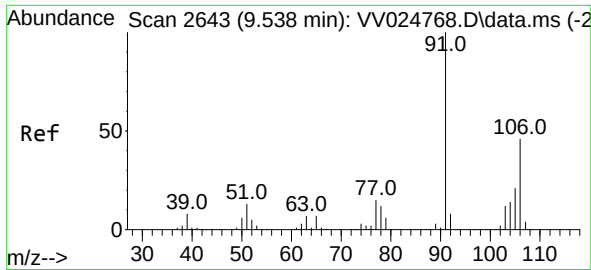
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#53
m,p-xylene
Concen: 0.166 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Tgt Ion:106 Resp: 4045
Ion Ratio Lower Upper
106 100
91 197.4 143.6 266.6





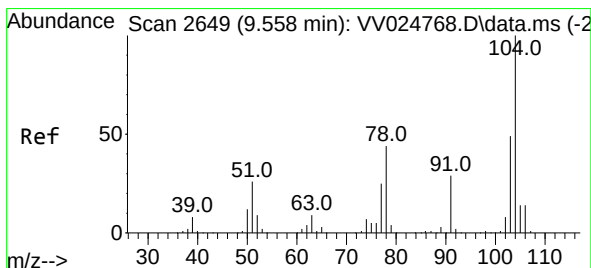
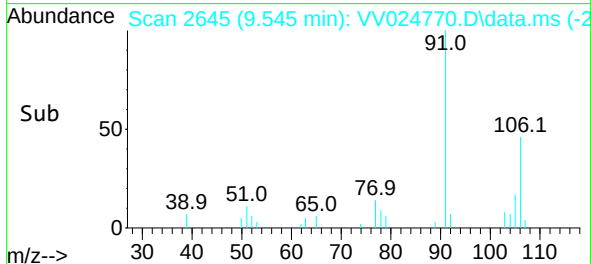
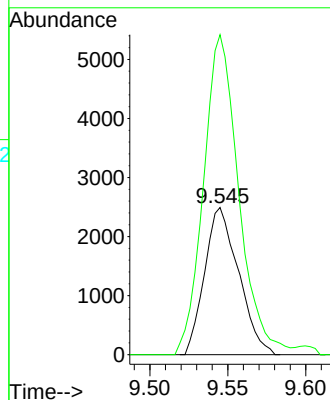
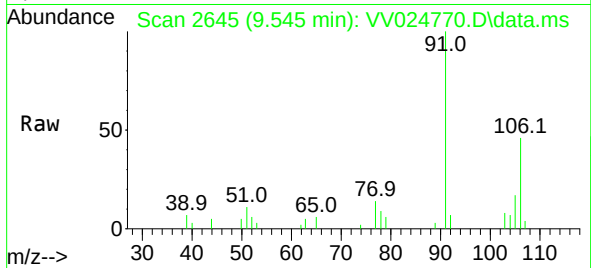
#54
o-xylene
Concen: 0.158 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.007 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:106 Resp: 3778
Ion Ratio Lower Upper
106 100
91 217.5 152.2 282.7

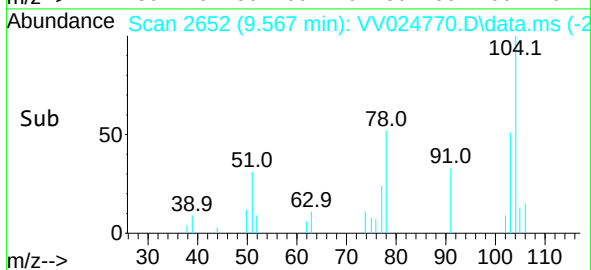
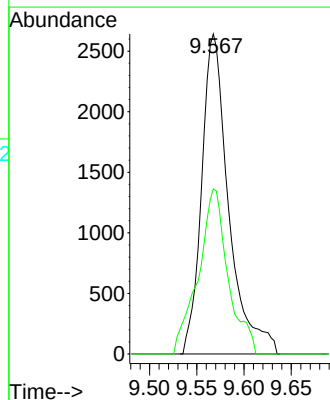
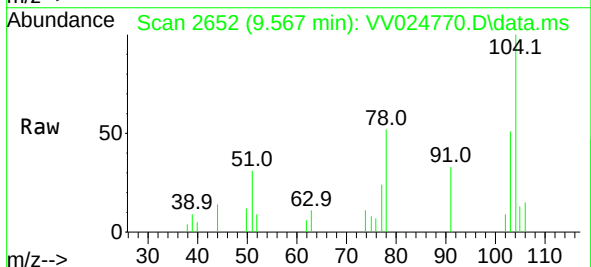
Manual Integrations
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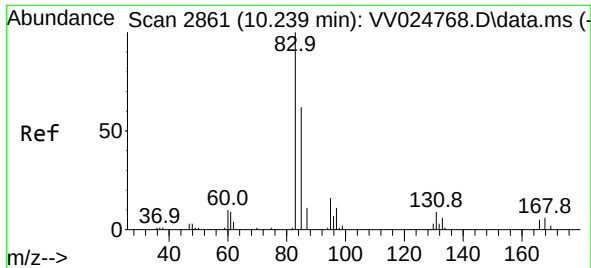
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#55
Styrene
Concen: 0.135 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

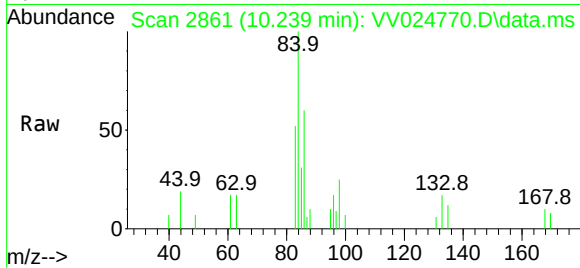
Tgt Ion:104 Resp: 5244
Ion Ratio Lower Upper
104 100
78 51.6 32.0 59.4





#57
1,1,2,2-Tetrachloroethane
Concen: 0.169 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

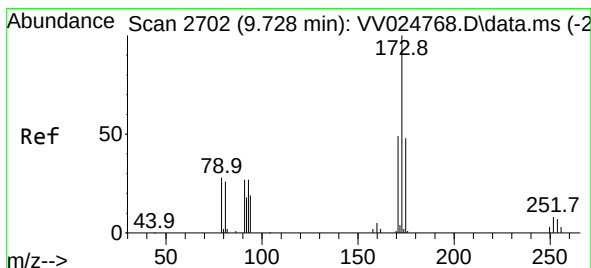
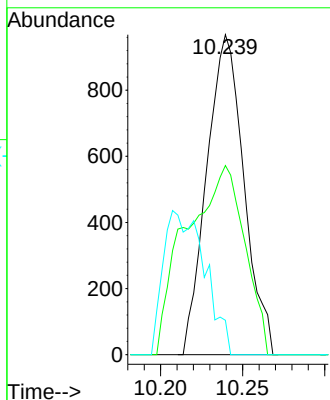
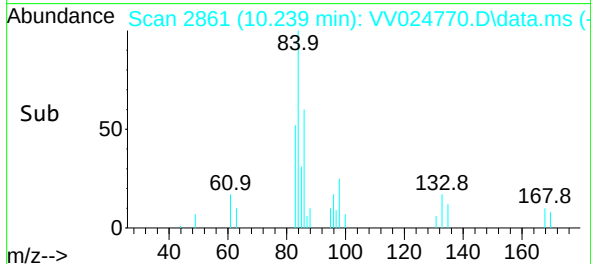
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2022-02



Tgt Ion: 83 Resp: 1524
Ion Ratio Lower Upper
83 100
85 59.1 43.9 81.5
131 10.7 7.0 10.4

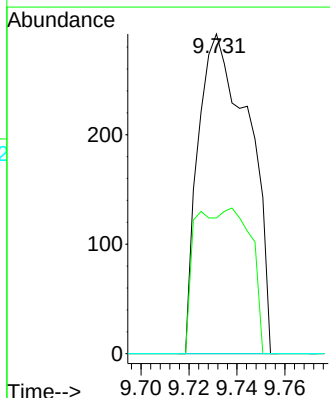
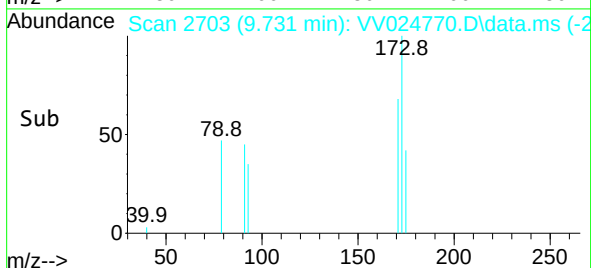
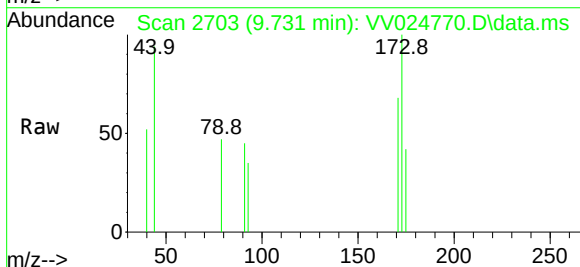
Manual Integrations
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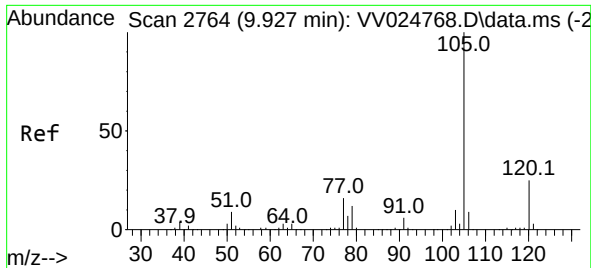
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#59
Bromoform
Concen: 0.116 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Tgt Ion:173 Resp: 428
Ion Ratio Lower Upper
173 100
175 17.1 39.4 59.0#
254 0.0 7.0 10.4#





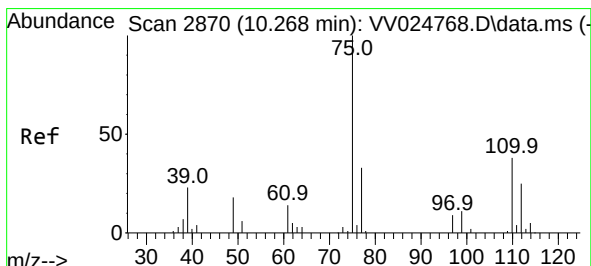
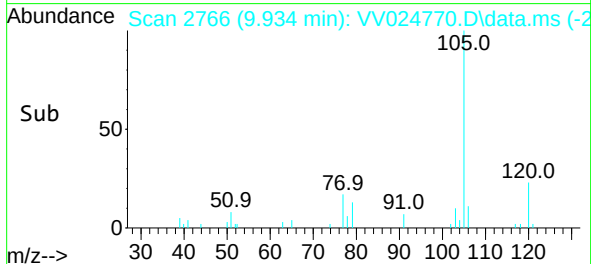
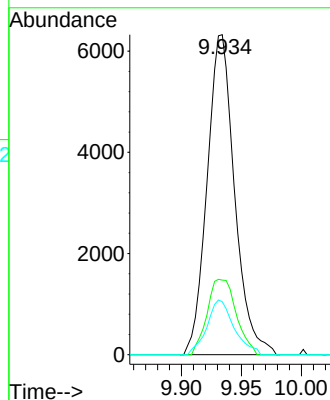
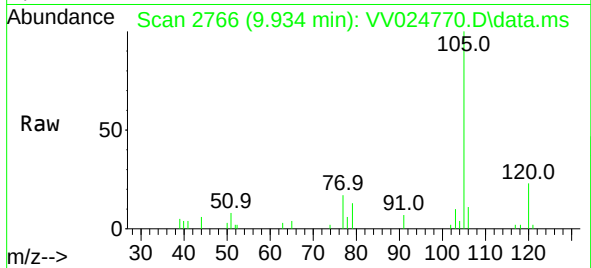
#60
Isopropylbenzene
Concen: 0.167 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:	105	Resp:	1008
Ion Ratio	Lower	Upper	
105	100		
120	24.9	20.7	31.1
77	16.9	12.7	19.1

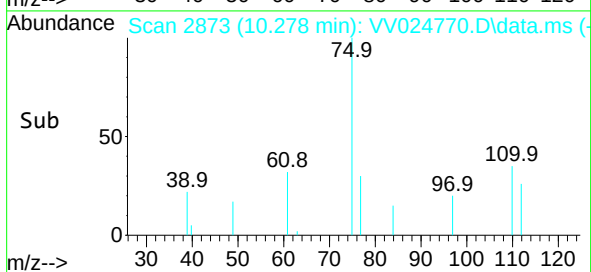
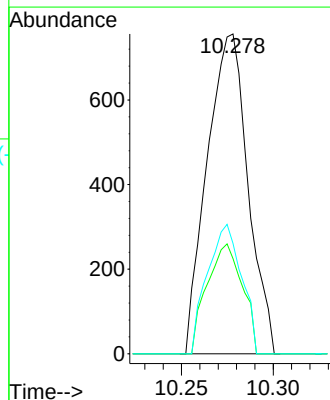
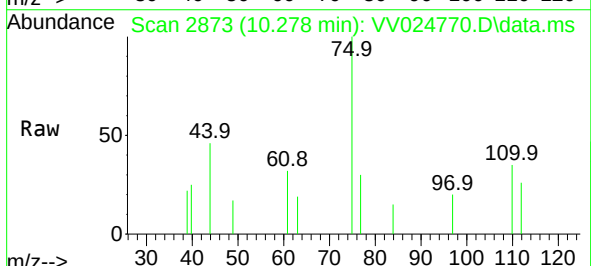
Manual Integrations
APPROVED

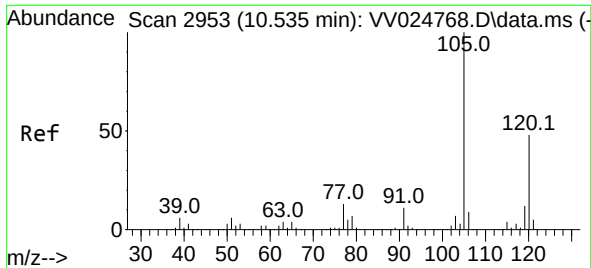
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#61
1,2,3-Trichloropropane
Concen: 0.176 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.010 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Tgt Ion:	75	Resp:	1169
Ion Ratio	Lower	Upper	
75	100		
77	29.9	26.3	39.5
110	34.0	30.3	45.5





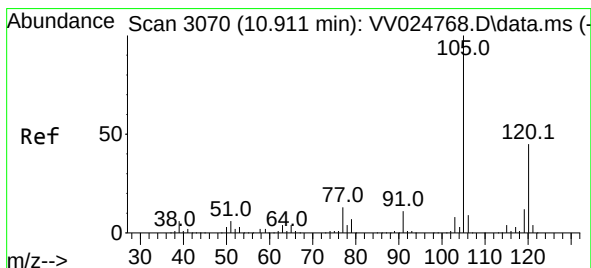
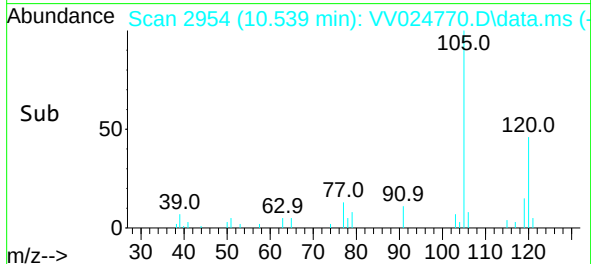
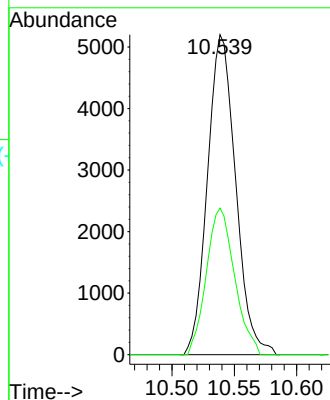
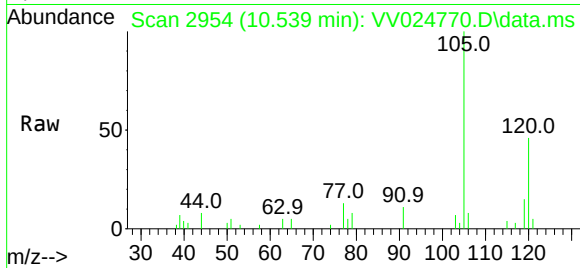
#62
1,3,5-Trimethylbenzene
Concen: 0.162 ug/L
RT: 10.539 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:105 Resp: 817
Ion Ratio Lower Upper
105 100
120 45.8 38.6 57.8

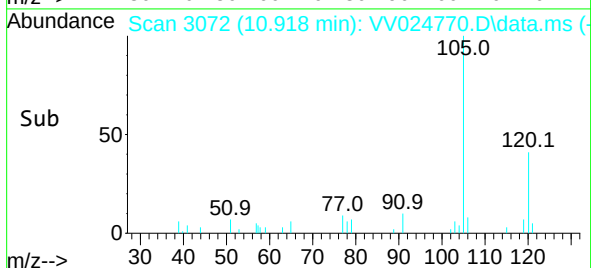
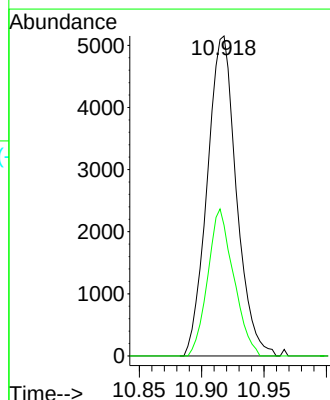
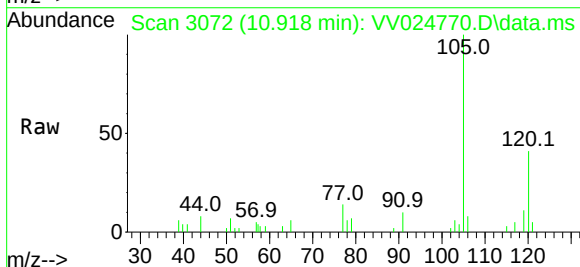
Manual Integrations
APPROVED

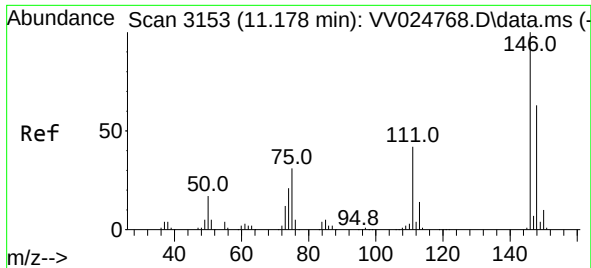
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#63
1,2,4-Trimethylbenzene
Concen: 0.168 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.007 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Tgt Ion:105 Resp: 8390
Ion Ratio Lower Upper
105 100
120 40.7 35.9 53.9





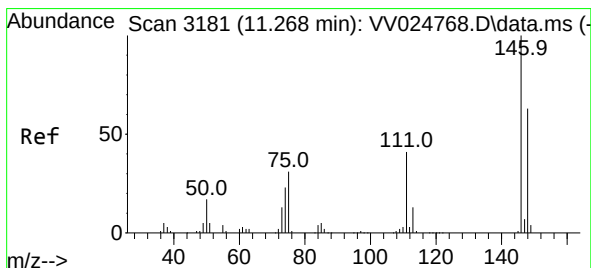
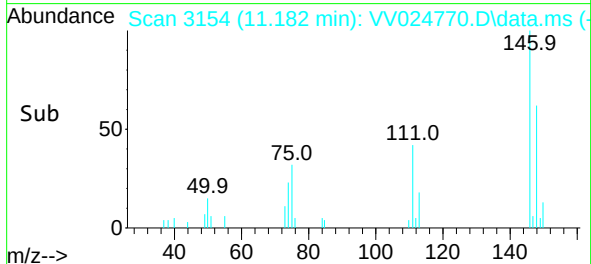
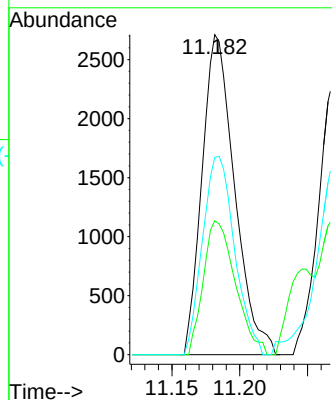
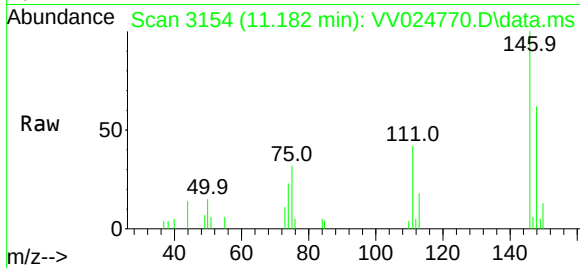
#64
1,3-Dichlorobenzene
Concen: 0.177 ug/L
RT: 11.182 min Scan# 3153
Delta R.T. 0.004 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:146 Resp: 452
Ion Ratio Lower Upper
146 100
111 41.9 31.0 57.6
148 61.7 45.4 84.4

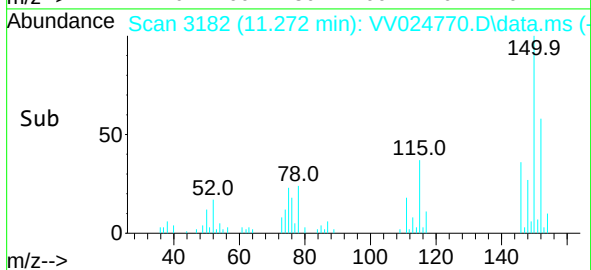
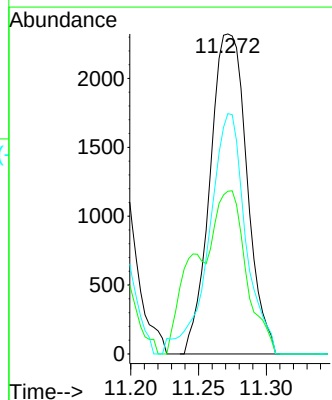
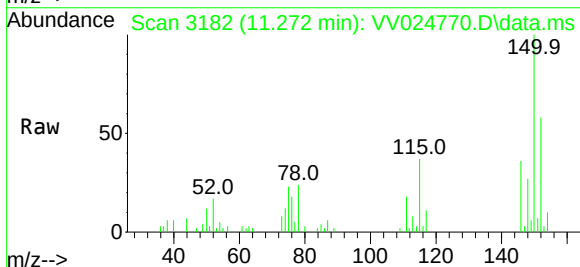
Manual Integrations
APPROVED

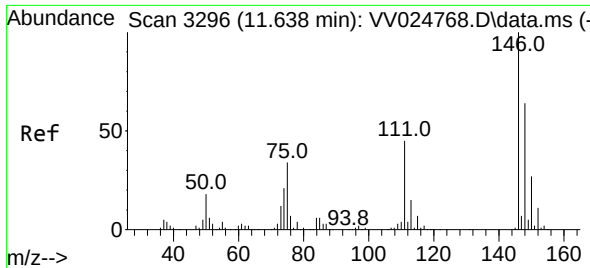
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022



#65
1,4-Dichlorobenzene
Concen: 0.173 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.004 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

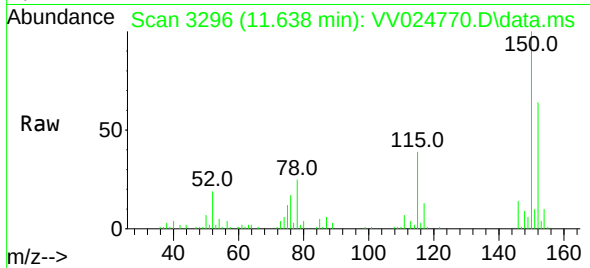
Tgt Ion:146 Resp: 4407
Ion Ratio Lower Upper
146 100
111 50.8 28.3 52.7
148 75.1 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 0.182 ug/L
RT: 11.638 min Scan# 3296
Delta R.T. 0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45

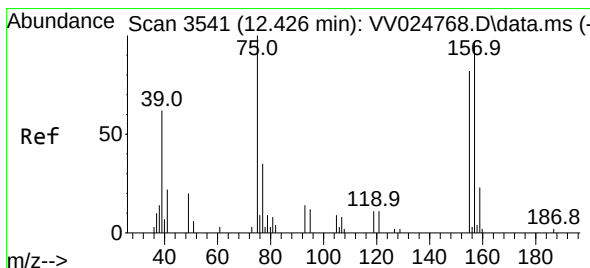
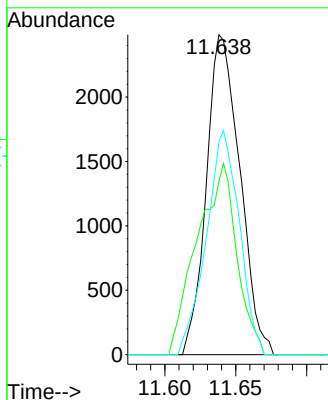
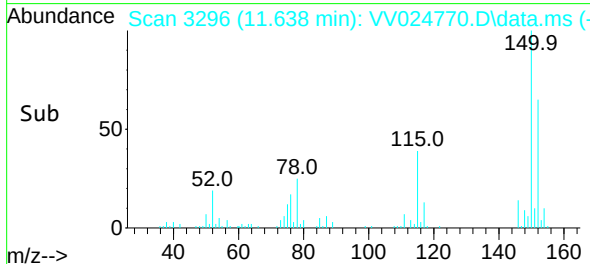
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



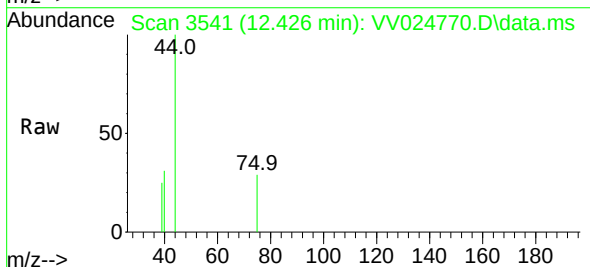
Tgt Ion:146 Resp: 4092
Ion Ratio Lower Upper
146 100
111 54.3 36.0 54.0#
148 66.5 50.4 75.6

Manual Integrations
APPROVED

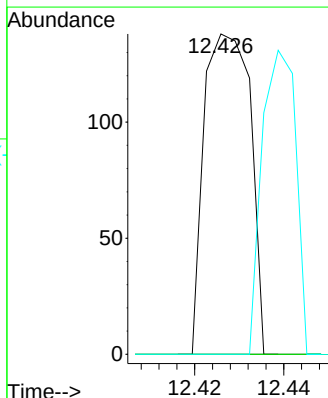
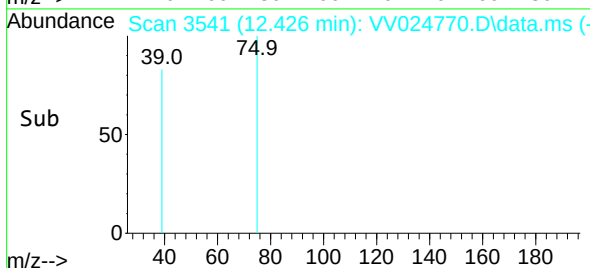
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/23/2022

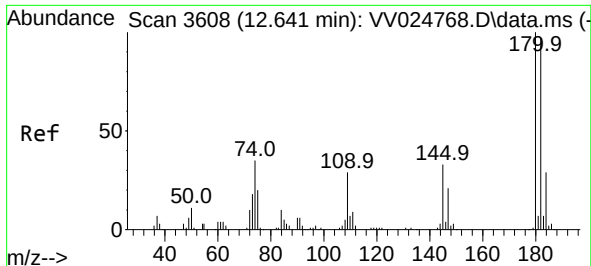


#68
1,2-Dibromo-3-chloropropane
Concen: 0.087 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV024770.D
Acq: 21 Feb 2022 12:45



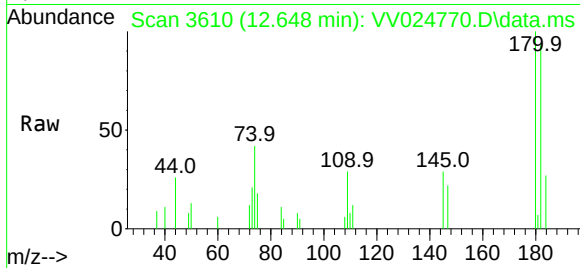
Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
155 0.0 61.7 92.5#
157 0.0 73.5 110.3#





#69
 1,3,5-Trichlorobenzene
 Concen: 0.168 ug/L
 RT: 12.648 min Scan# 3032
 Delta R.T. 0.007 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45

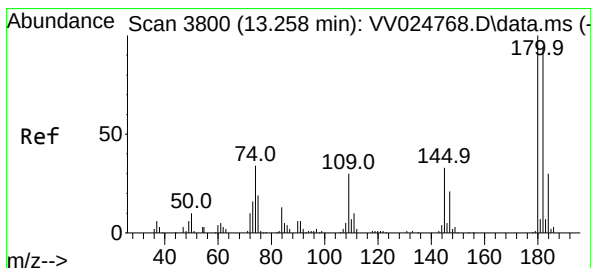
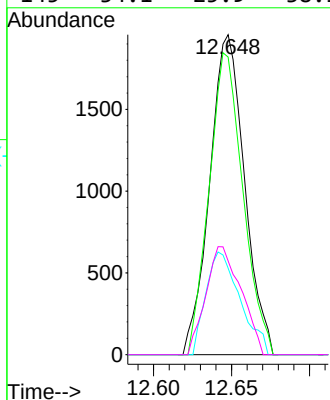
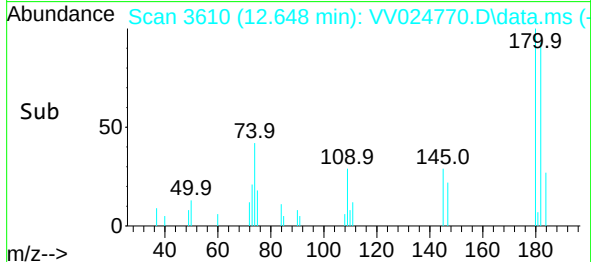
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02



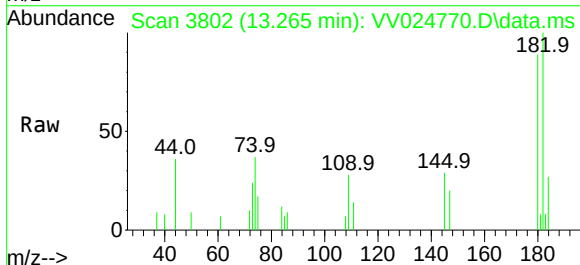
Tgt Ion:180 Resp: 3032
 Ion Ratio Lower Upper
 180 100
 182 91.8 74.6 111.8
 184 31.6 23.8 35.8
 145 34.1 25.9 38.9

Manual Integrations
 APPROVED

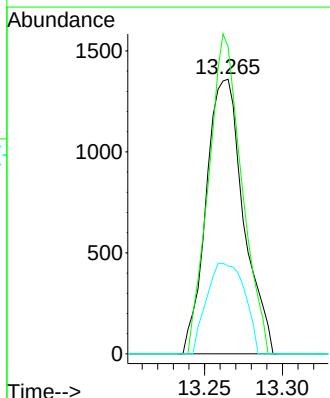
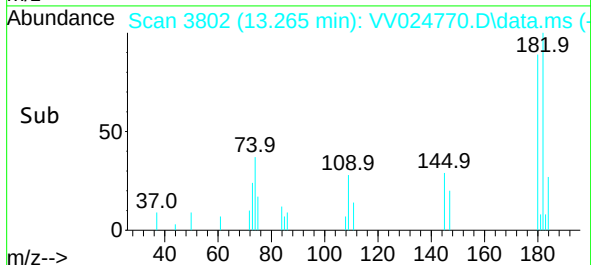
Reviewed By :John Carlone 02/22/2022
 Supervised By :Mahesh Dadoda 02/23/2022

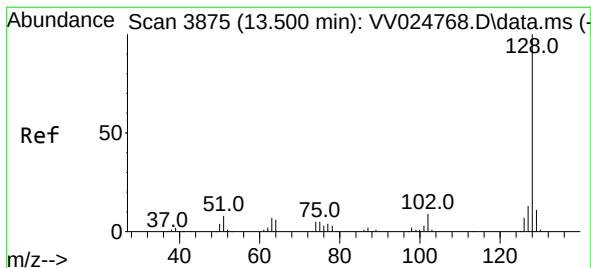


#70
 1,2,4-trichlorobenzene
 Concen: 0.159 ug/L
 RT: 13.265 min Scan# 3802
 Delta R.T. 0.007 min
 Lab File: VV024770.D
 Acq: 21 Feb 2022 12:45



Tgt Ion:180 Resp: 2265
 Ion Ratio Lower Upper
 180 100
 182 103.2 75.0 112.6
 145 33.4 26.9 40.3





#71

Naphthalene

Concen: 0.149 ug/L

RT: 13.506 min Scan# 3875

Delta R.T. 0.007 min

Lab File: VV024770.D

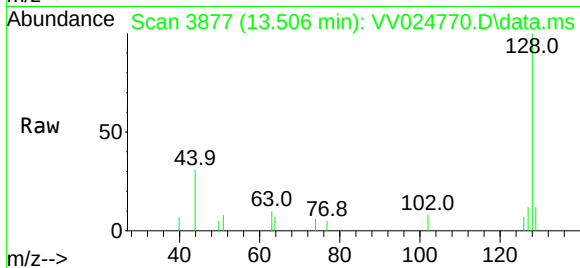
Acq: 21 Feb 2022 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02



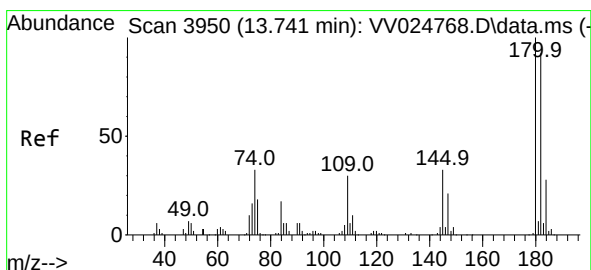
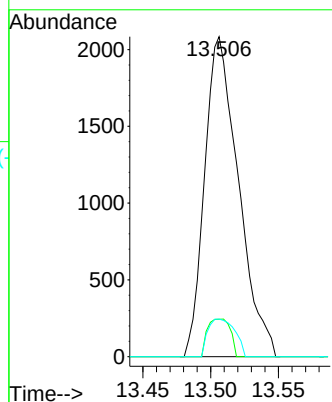
Tgt Ion:	128	Resp:	361
Ion Ratio	Lower	Upper	
128	100		
129	7.9	8.4	12.6
127	9.3	10.2	15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/23/2022



#72

1,2,3-Trichlorobenzene

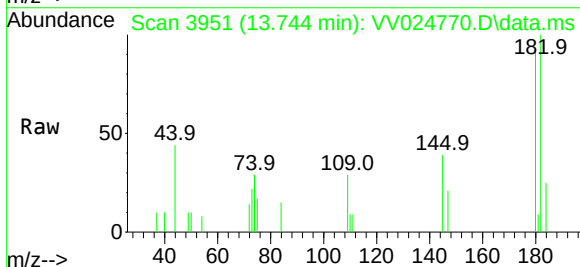
Concen: 0.164 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.003 min

Lab File: VV024770.D

Acq: 21 Feb 2022 12:45



Tgt Ion:	180	Resp:	1961
Ion Ratio	Lower	Upper	
180	100		
182	100.5	75.6	113.4
145	38.8	28.5	42.7

