

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071522\
 Data File : VW026787.D
 Acq On : 15 Jul 2022 13:39
 Operator : SY/MD
 Sample : N3670-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2022
 Supervised By : Mahesh Dadoda 07/18/2022

Quant Time: Jul 16 01:36:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 16 00:49:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	199262	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	194697	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	79122	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	63126	3.473	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.555	69	62755	3.995	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.095	63	91089	2.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.200%#
20) 2-Butanone-d5	3.960	46	235839	83.125	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	166.240%#
24) Chloroform-d	4.336	84	151855	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.024	65	72928	5.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.031	84	255605	4.320	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.069	67	86473	4.875	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.323	98	158867	3.025	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	60.600%#
43) trans-1,3-Dichloroprop...	7.632	79	21648	3.730	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.104	63	125069	49.775	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	71236	5.155	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	64983	4.714	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	5816	0.230	ug/L	90
3) Chloromethane	1.230	50	5897	0.243	ug/L	89
5) Vinyl chloride	1.298	62	5250	0.212	ug/L #	2
6) Bromomethane	1.510	94	3272	0.221	ug/L	89
8) Chloroethane	1.571	64	3655m	0.251	ug/L	
9) Trichlorofluoromethane	1.738	101	6843	0.218	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	4399	0.244	ug/L	92
12) 1,1-Dichloroethene	2.101	96	4784	0.274	ug/L #	1
14) Carbon disulfide	2.278	76	12657	0.246	ug/L	98
15) Methyl Acetate	2.455	43	1450m	0.300	ug/L	
16) Methylene chloride	2.494	84	12714	0.611	ug/L	95
17) Methyl tert-butyl Ether	2.773	73	9224	0.306	ug/L #	93
18) trans-1,2-Dichloroethene	2.741	96	4138	0.258	ug/L	98
19) 1,1-Dichloroethane	3.182	63	8213	0.280	ug/L	94
21) 2-Butanone	4.053	43	11717m	4.209	ug/L	
22) cis-1,2-Dichloroethene	3.905	96	4309	0.266	ug/L #	78
23) Bromochloromethane	4.233	128	1819	0.244	ug/L #	84
25) Chloroform	4.365	83	9739	0.317	ug/L	96
27) 1,2-Dichloroethane	5.130	62	4161	0.251	ug/L #	93

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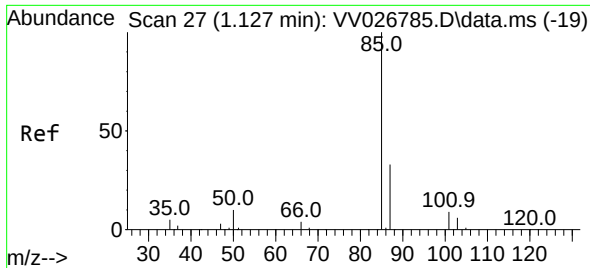
Quant Time: Jul 16 01:36:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.590	97	6491	0.247	ug/L	91
30) Cyclohexane	4.645	56	7078	0.317	ug/L #	84
31) Carbon tetrachloride	4.799	117	5182	0.224	ug/L	85
33) Benzene	5.085	78	17238	0.265	ug/L	100
34) Trichloroethene	5.905	95	3408	0.213	ug/L	94
35) Methylcyclohexane	6.108	83	3990	0.163	ug/L	91
37) 1,2-Dichloropropane	6.178	63	3539	0.227	ug/L #	86
38) Bromodichloromethane	6.516	83	4723	0.233	ug/L #	81
39) cis-1,3-Dichloropropene	7.043	75	3341	0.173	ug/L #	82
40) 4-Methyl-2-pentanone	7.259	43	13111	1.824	ug/L #	79
44) trans-1,3-Dichloropropene	7.667	75	3302	0.208	ug/L	88
45) 1,1,2-Trichloroethane	7.854	97	2709	0.238	ug/L	93
47) Tetrachloroethene	7.979	164	2554	0.204	ug/L	94
49) Dibromochloromethane	8.252	129	2652	0.202	ug/L	92
50) 1,2-Dibromoethane	8.362	107	2338	0.232	ug/L #	98
51) Chlorobenzene	8.886	112	8585	0.207	ug/L	93
52) Ethylbenzene	9.018	91	10486	0.161	ug/L	98
53) m,p-Xylene	9.143	106	3696	0.146	ug/L	94
54) o-Xylene	9.548	106	3641	0.151	ug/L	86
55) Styrene	9.567	104	5360	0.127	ug/L	82
57) 1,1,2,2-Tetrachloroethane	10.243	83	3516	0.261	ug/L #	93
59) Bromoform	9.735	173	1267	0.250	ug/L #	95
60) Isopropylbenzene	9.934	105	9196	0.186	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	1826	0.250	ug/L #	90
62) 1,3,5-Trimethylbenzene	10.542	105	7033	0.179	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	6946	0.174	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	5014	0.207	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.432	75	379	0.245	ug/L #	77
69) 1,3,5-Trichlorobenzene	12.648	180	3772	0.221	ug/L #	96
70) 1,2,4-trichlorobenzene	13.265	180	2659	0.205	ug/L	98
71) Naphthalene	13.509	128	4261	0.198	ug/L	97
72) 1,2,3-Trichlorobenzene	13.744	180	2282	0.189	ug/L	94

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



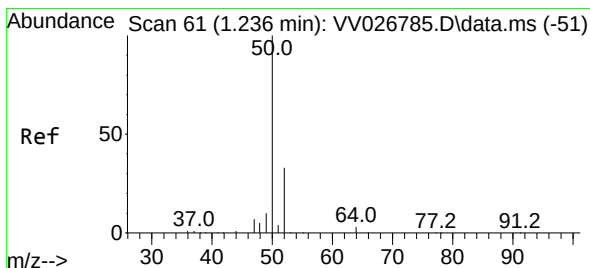
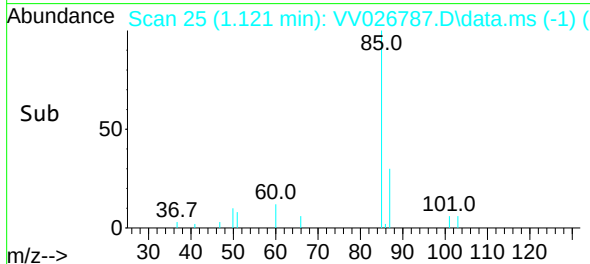
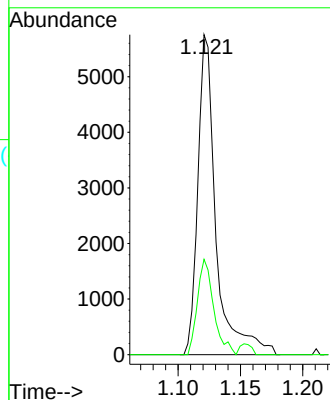
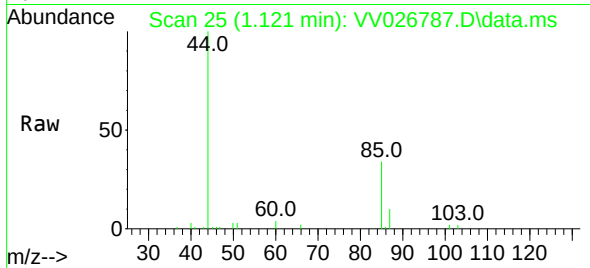
#2
 Dichlorodifluoromethane
 Concen: 0.230 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VV026787.D
 Acq: 15 Jul 2022 13:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Tgt Ion: 85 Resp: 5810
 Ion Ratio Lower Upper
 85 100
 87 26.8 25.8 38.8

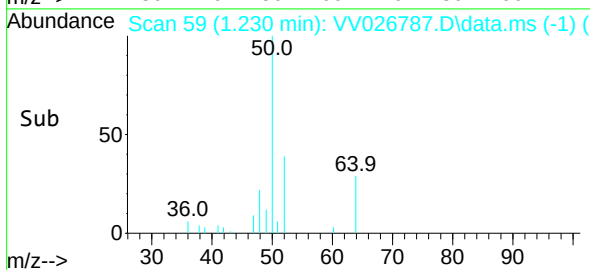
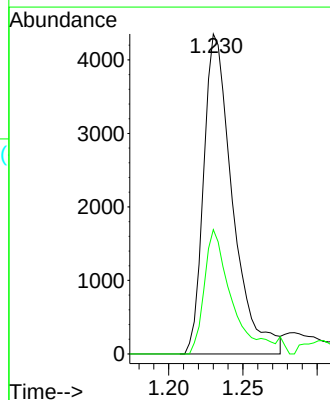
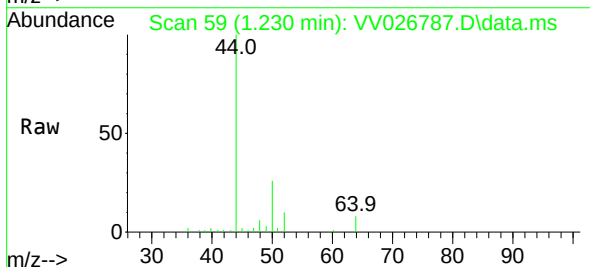
Manual Integrations
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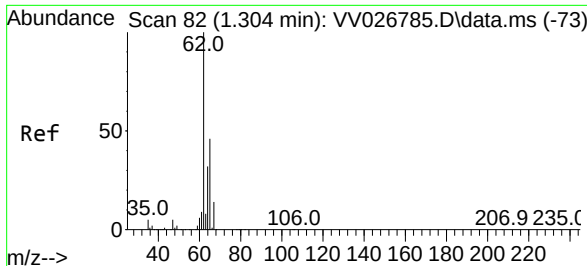
Reviewed By :John Carlone 07/18/2022
 Supervised By :Mahesh Dadoda 07/18/2022



#3
 Chloromethane
 Concen: 0.243 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VV026787.D
 Acq: 15 Jul 2022 13:39

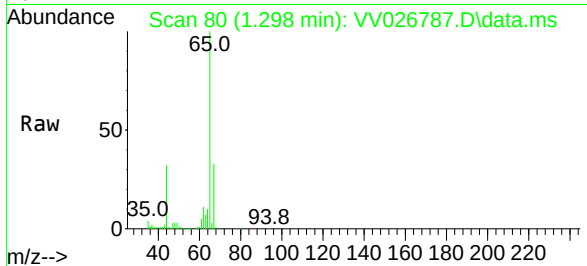
Tgt Ion: 50 Resp: 5897
 Ion Ratio Lower Upper
 50 100
 52 38.9 22.8 42.4





#5
 Vinyl chloride
 Concen: 0.212 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VV026787.D
 Acq: 15 Jul 2022 13:39

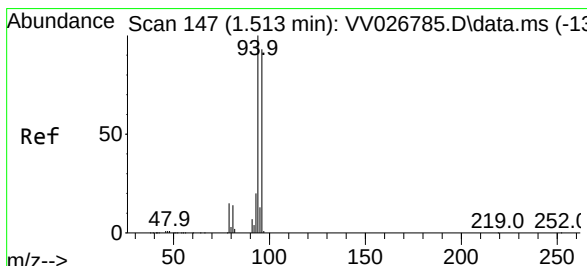
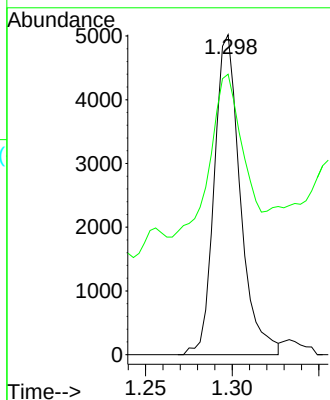
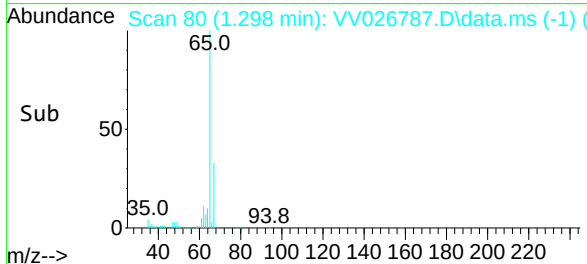
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2022-03



Tgt Ion: 62 Resp: 5250
 Ion Ratio Lower Upper
 62 100
 64 87.7 22.9 42.5

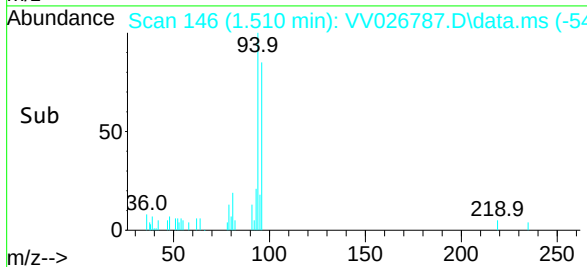
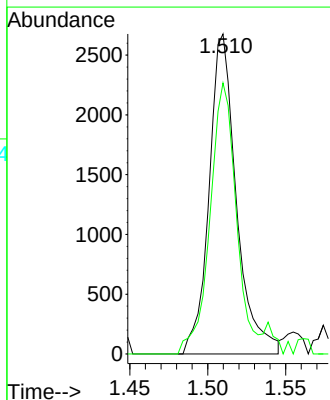
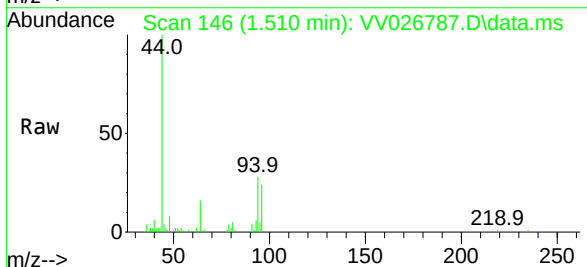
Manual Integrations
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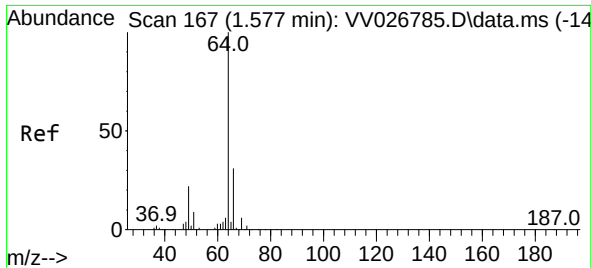
Reviewed By :John Carlone 07/18/2022
 Supervised By :Mahesh Dadoda 07/18/2022



#6
 Bromomethane
 Concen: 0.221 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. -0.003 min
 Lab File: VV026787.D
 Acq: 15 Jul 2022 13:39

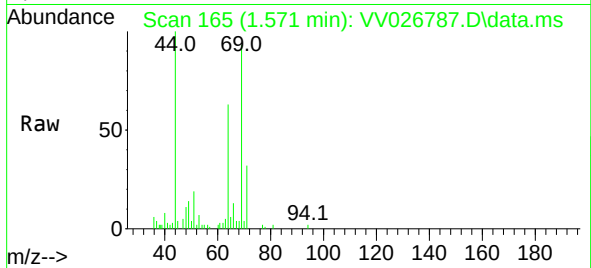
Tgt Ion: 94 Resp: 3272
 Ion Ratio Lower Upper
 94 100
 96 84.7 67.1 124.7





#8
Chloroethane
Concen: 0.251 ug/L m
RT: 1.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

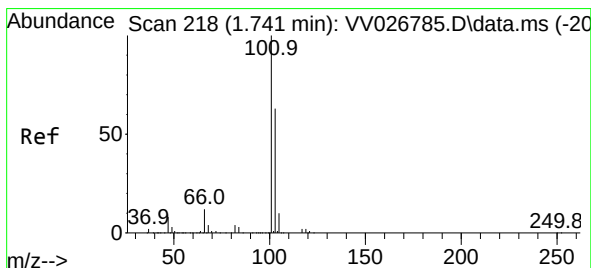
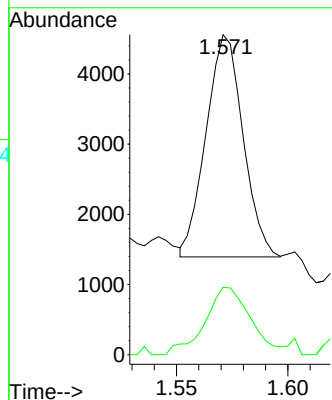
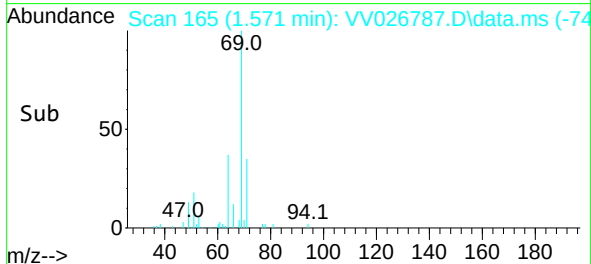
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



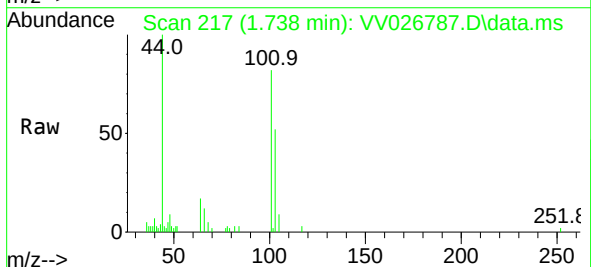
Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 21.1 23.9 44.5

Manual Integrations
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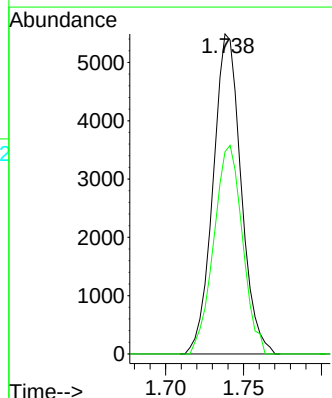
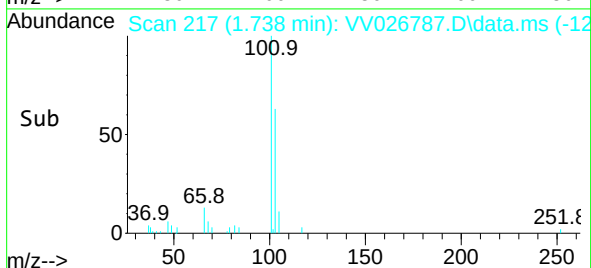
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

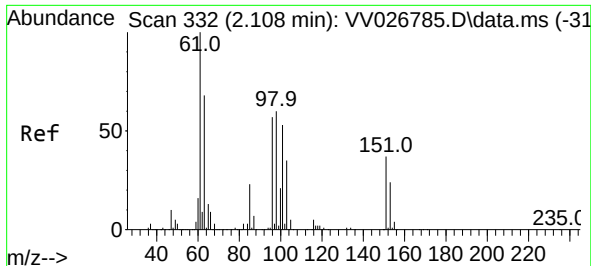


#9
Trichlorofluoromethane
Concen: 0.218 ug/L
RT: 1.738 min Scan# 217
Delta R.T. -0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



Tgt Ion:101 Resp: 6843
Ion Ratio Lower Upper
101 100
103 66.6 51.6 77.4





#10

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

Concen: 0.244 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2022-03

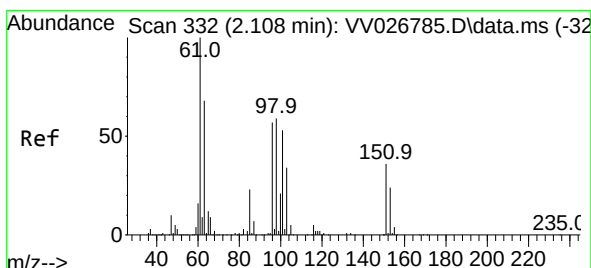
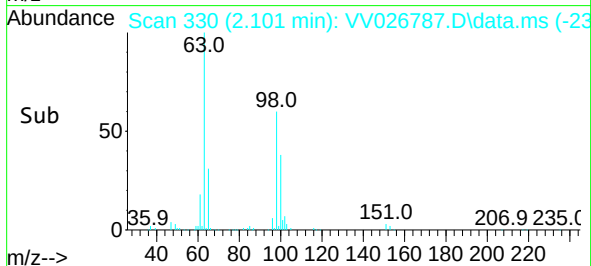
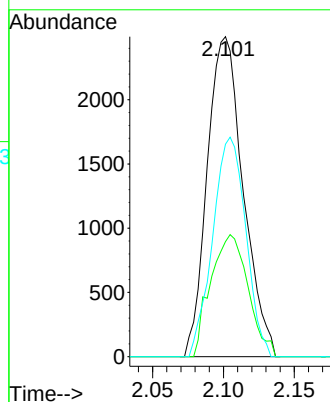
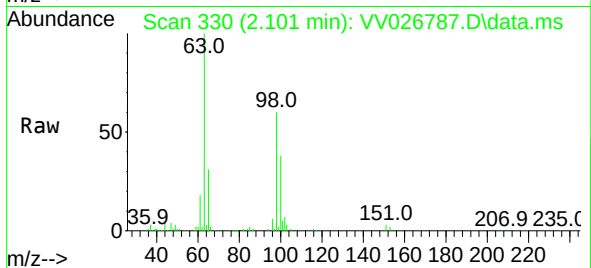
Tgt Ion:	101	Resp:	4399
Ion Ratio	Lower	Upper	
101	100		
85	39.7	35.0	52.4
151	63.2	56.7	85.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#12

1,1-Dichloroethene

Concen: 0.274 ug/L

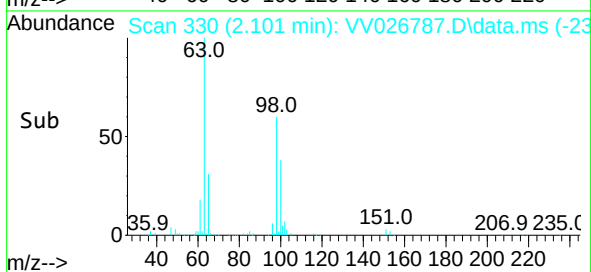
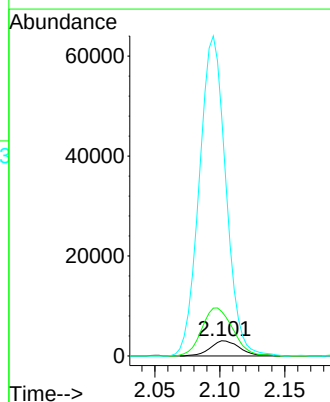
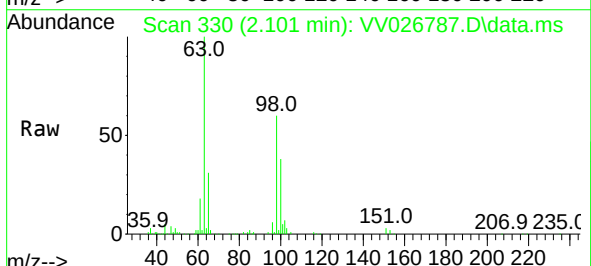
RT: 2.101 min Scan# 330

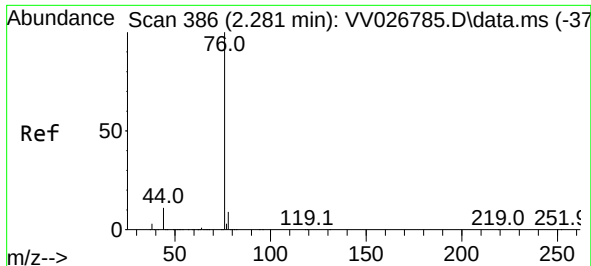
Delta R.T. -0.006 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

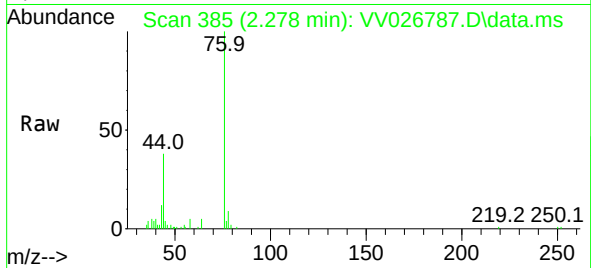
Tgt Ion:	96	Resp:	4784
Ion Ratio	Lower	Upper	
96	100		
61	292.0	118.3	219.7#
63	1579.8	79.9	148.3#





#14
Carbon disulfide
Concen: 0.246 ug/L
RT: 2.278 min Scan# 386
Delta R.T. -0.003 min
Lab File: VV026787.D
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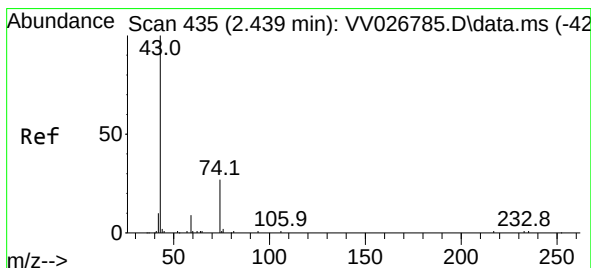
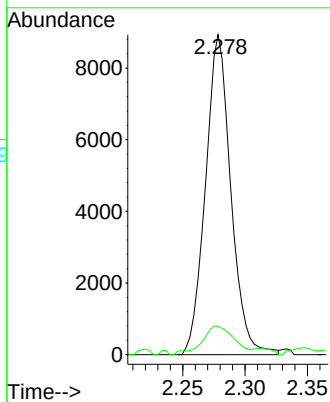
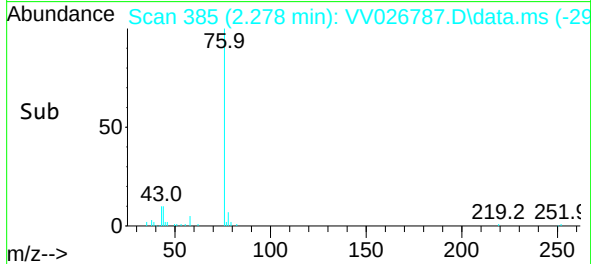
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 76 Resp: 1265
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5

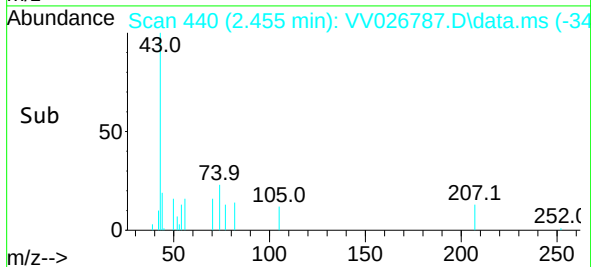
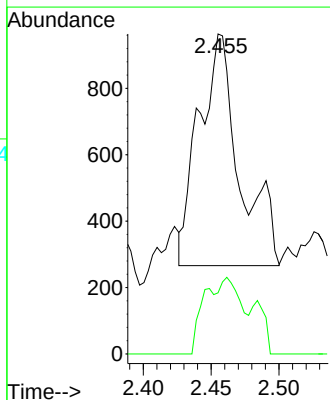
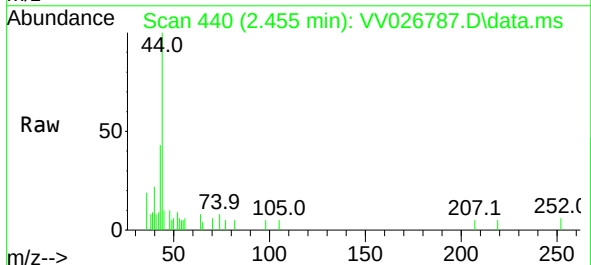
Manual Integrations
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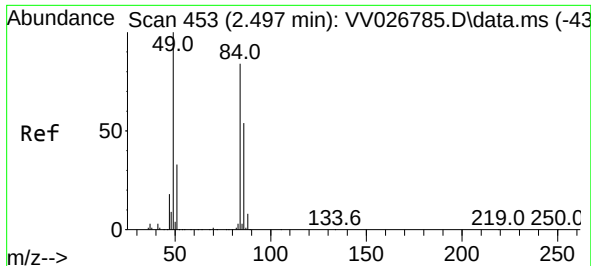
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#15
Methyl Acetate
Concen: 0.300 ug/L m
RT: 2.455 min Scan# 440
Delta R.T. 0.016 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

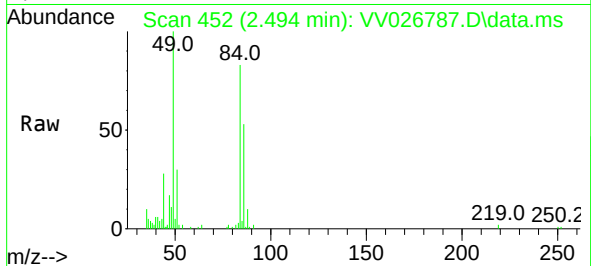
Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
74 19.1 20.1 30.1#





#16
Methylene chloride
Concen: 0.611 ug/L
RT: 2.494 min Scan# 452
Delta R.T. -0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

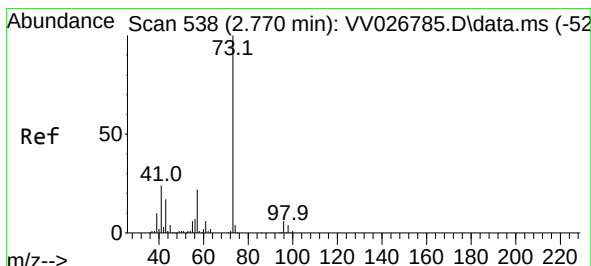
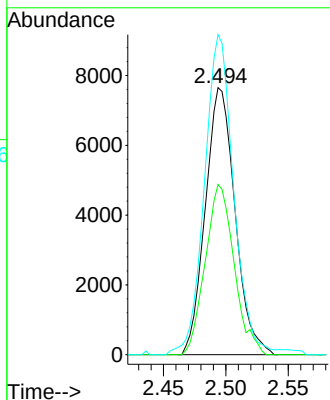
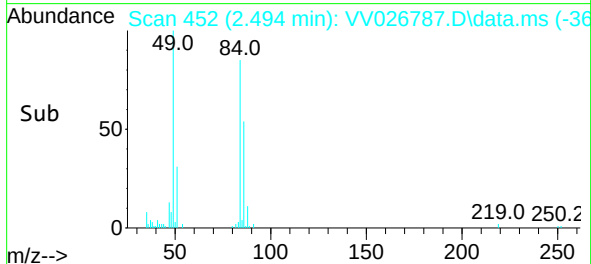
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 84 Resp: 12714
Ion Ratio Lower Upper
84 100
86 63.7 44.8 83.2
49 119.8 78.7 146.1

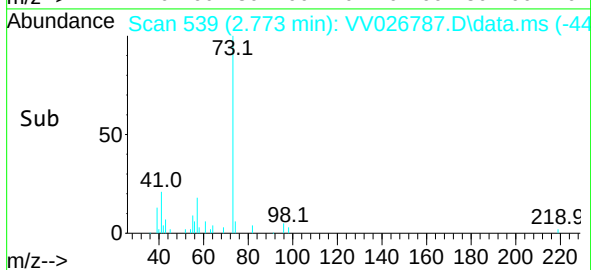
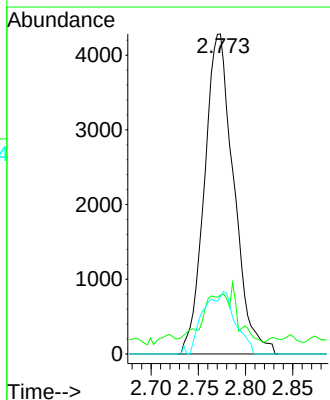
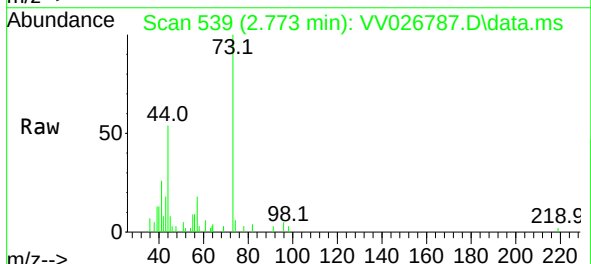
Manual Integrations
APPROVED

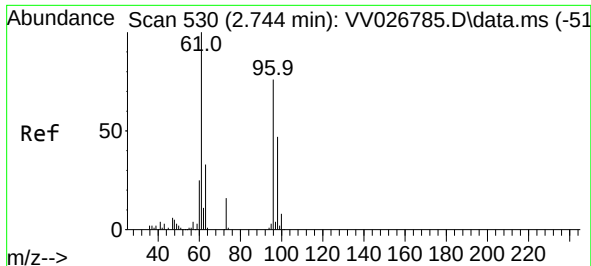
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#17
Methyl tert-butyl Ether
Concen: 0.306 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

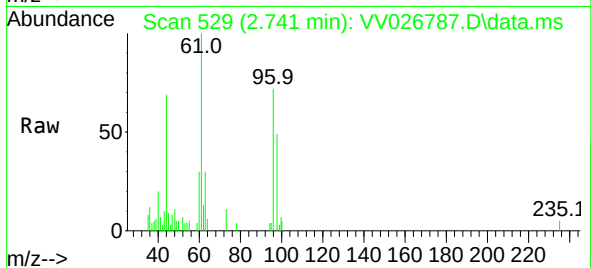
Tgt Ion: 73 Resp: 9224
Ion Ratio Lower Upper
73 100
43 11.9 14.0 21.0#
57 21.2 17.6 26.4





#18
trans-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 2.741 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

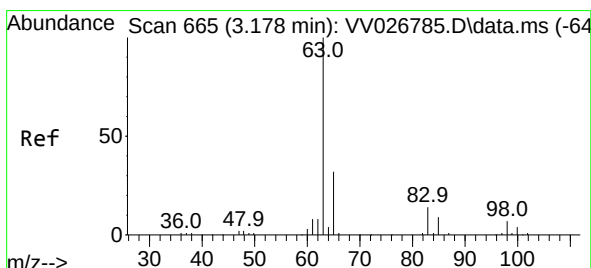
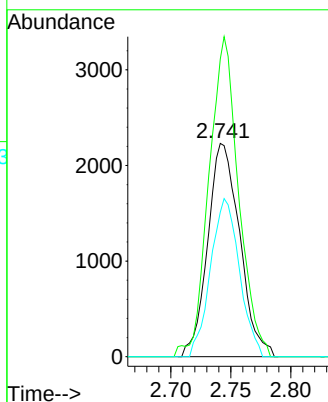
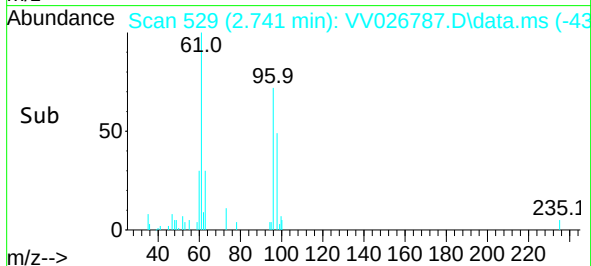
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 96 Resp: 4138
Ion Ratio Lower Upper
96 100
61 139.5 94.7 175.9
98 67.8 47.4 88.0

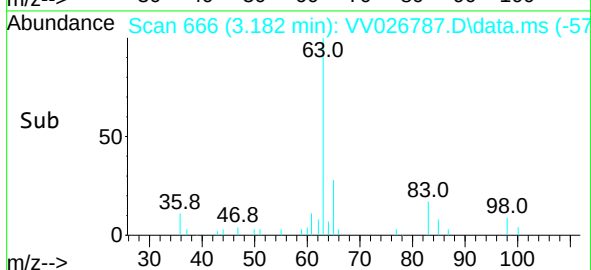
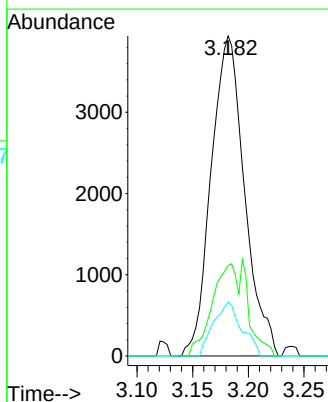
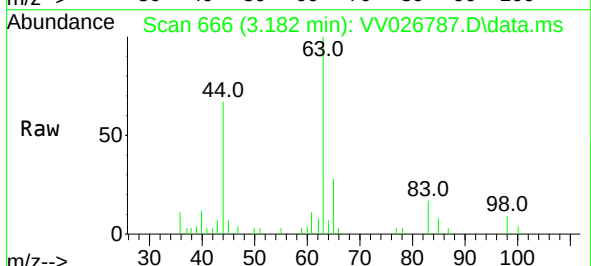
Manual Integrations
APPROVED

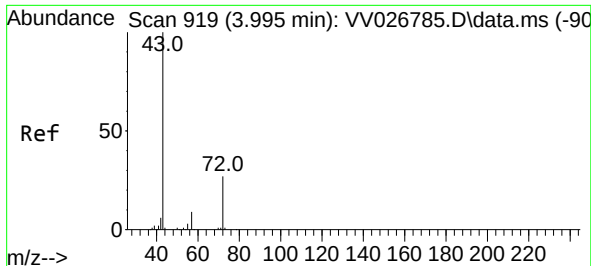
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#19
1,1-Dichloroethane
Concen: 0.280 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

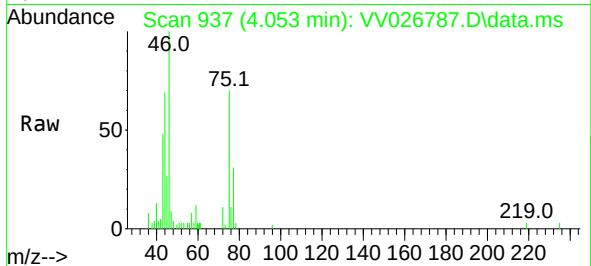
Tgt Ion: 63 Resp: 8213
Ion Ratio Lower Upper
63 100
65 28.3 22.3 41.3
83 16.9 9.9 18.5





#21
2-Butanone
Concen: 4.209 ug/L m
RT: 4.053 min Scan# 919
Delta R.T. 0.058 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

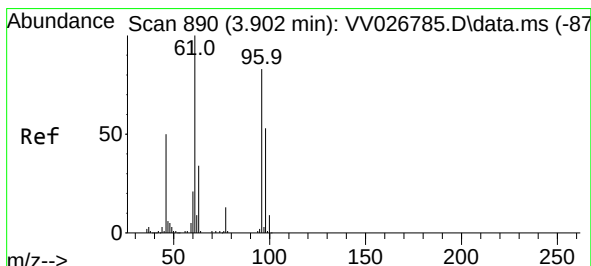
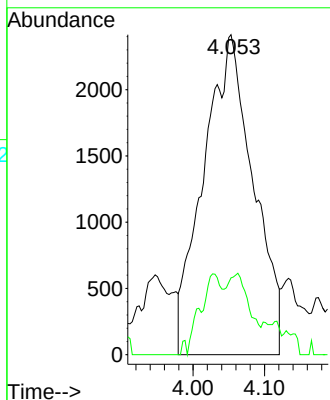
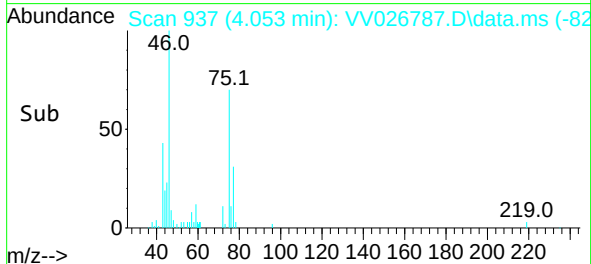
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
72 11.1 13.9 41.7

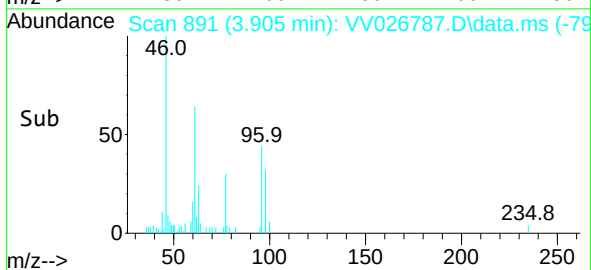
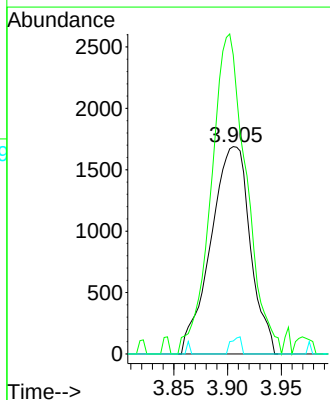
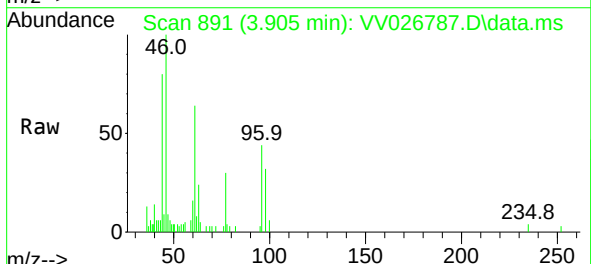
Manual Integrations
APPROVED

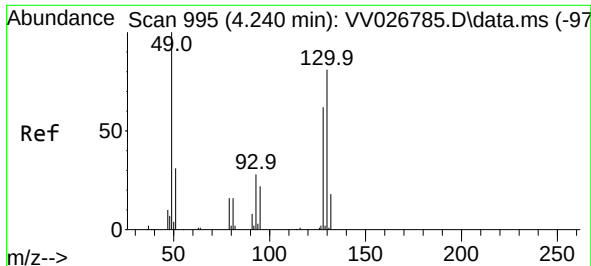
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#22
cis-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

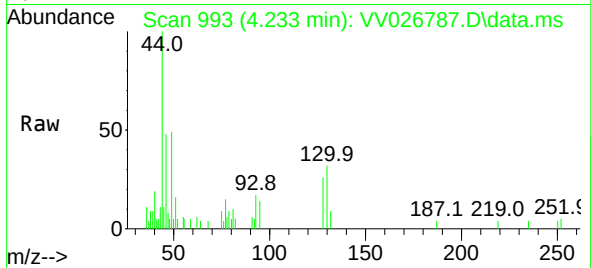
Tgt Ion: 96 Resp: 4309
Ion Ratio Lower Upper
96 100
61 144.2 83.9 155.9
68 6.3 0.0 0.0





#23
Bromochloromethane
Concen: 0.244 ug/L
RT: 4.233 min Scan# 995
Delta R.T. -0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

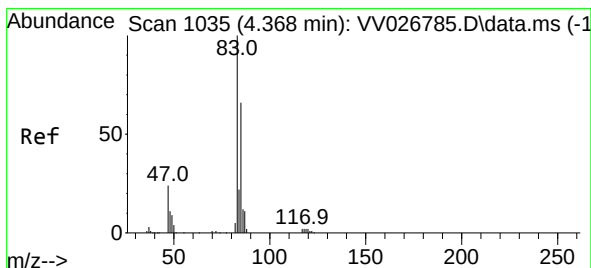
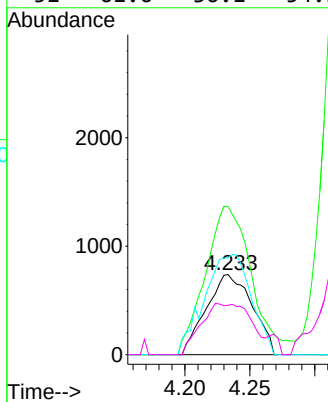
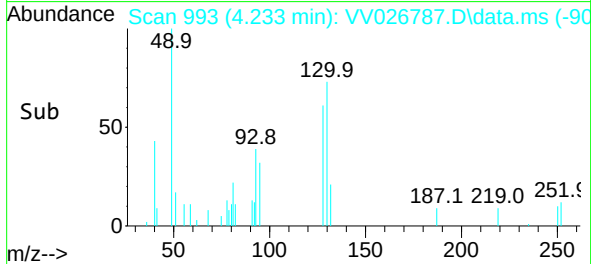
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2022-03



Tgt Ion:128 Resp: 1819
Ion Ratio Lower Upper
128 100
49 184.8 107.2 199.2
130 121.0 87.1 161.7
51 61.6 36.1 54.1#

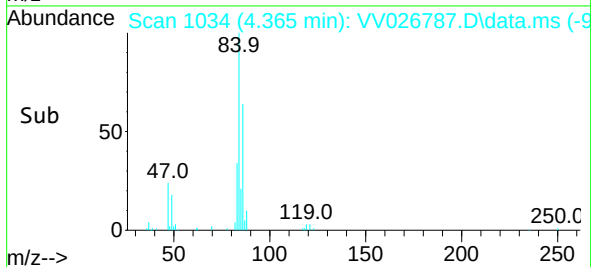
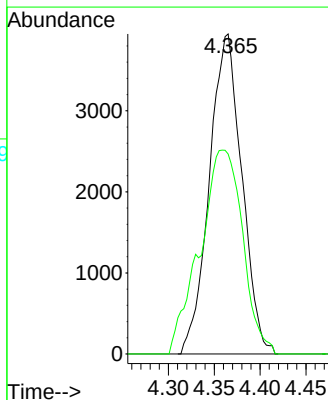
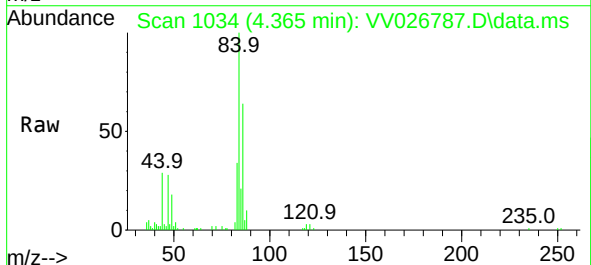
Manual Integrations
APPROVED

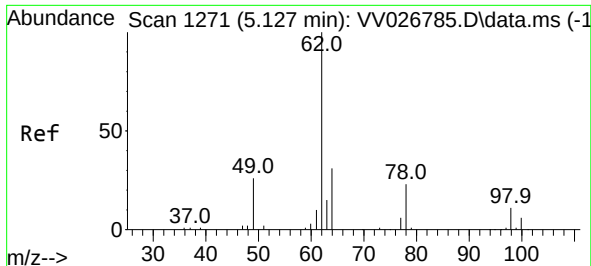
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#25
Chloroform
Concen: 0.317 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Tgt Ion: 83 Resp: 9739
Ion Ratio Lower Upper
83 100
85 62.5 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.251 ug/L

RT: 5.130 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 62 Resp: 416

Ion Ratio Lower Upper

62 100

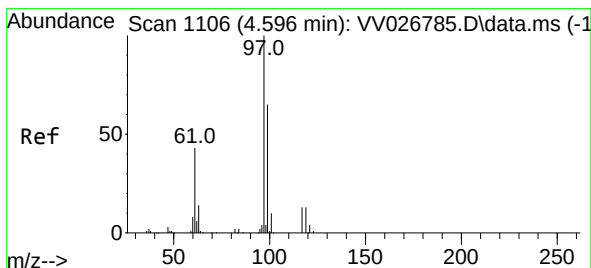
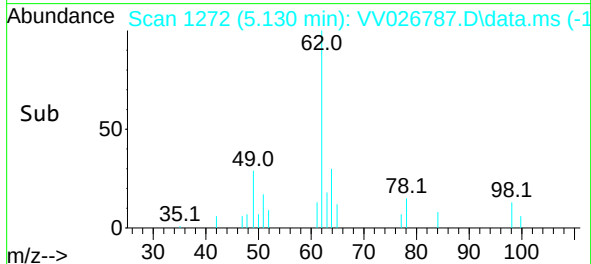
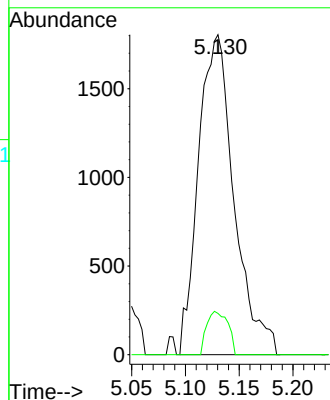
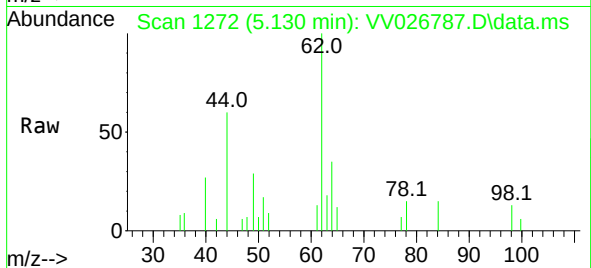
98 12.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#29

1,1,1-Trichloroethane

Concen: 0.247 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

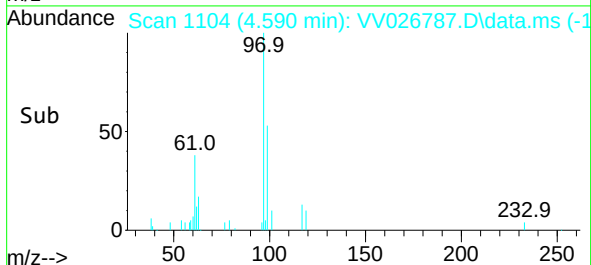
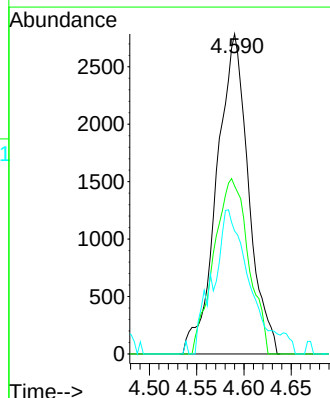
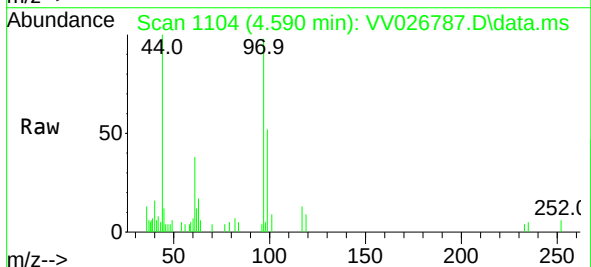
Tgt Ion: 97 Resp: 6491

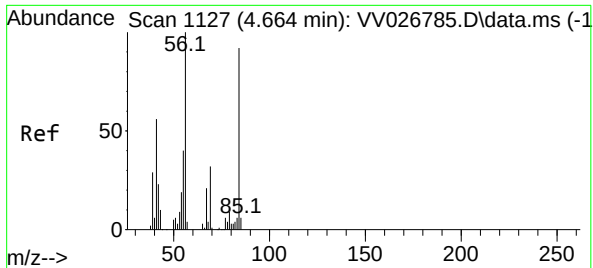
Ion Ratio Lower Upper

97 100

99 59.9 51.3 76.9

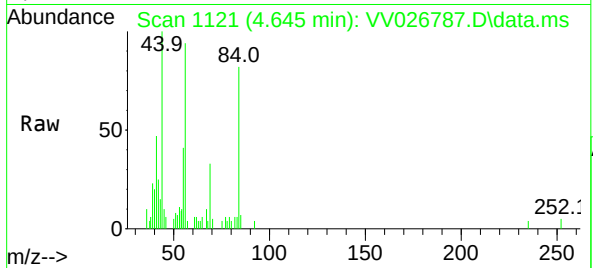
61 52.6 35.1 52.7





#30
Cyclohexane
Concen: 0.317 ug/L
RT: 4.645 min Scan# 1127
Delta R.T. -0.019 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

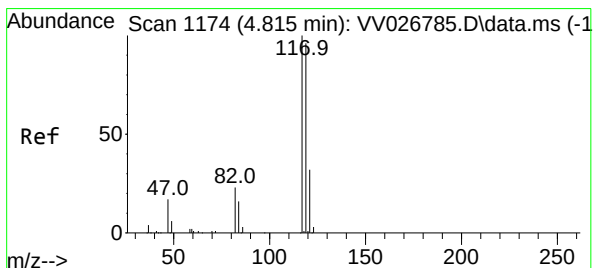
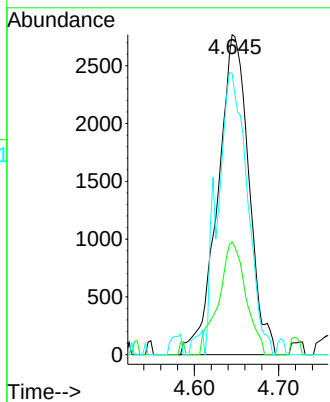
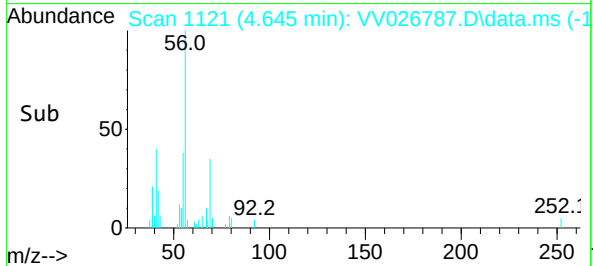
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2022-03



Tgt Ion: 56 Resp: 7078
Ion Ratio Lower Upper
56 100
69 31.0 25.1 37.7
84 72.7 74.0 111.0

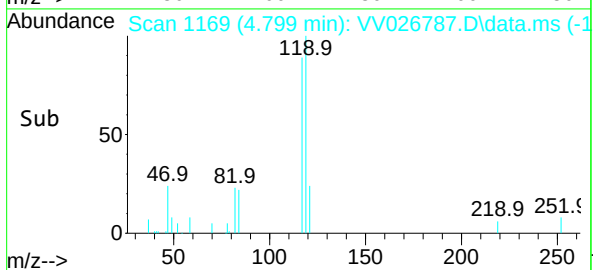
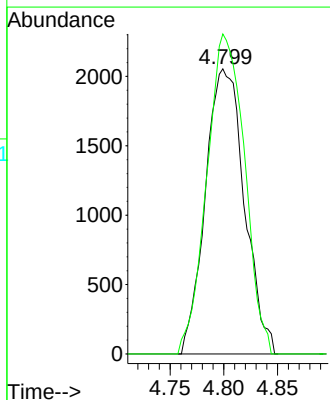
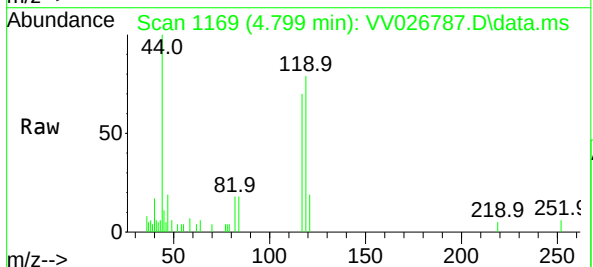
Manual Integrations
APPROVED

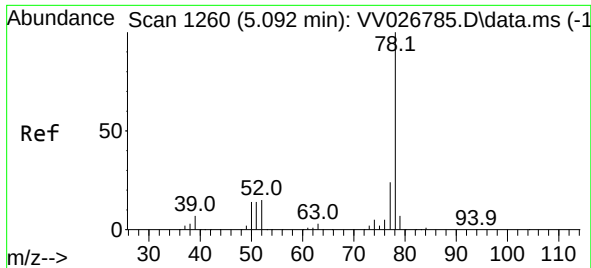
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#31
Carbon tetrachloride
Concen: 0.224 ug/L
RT: 4.799 min Scan# 1169
Delta R.T. -0.016 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Tgt Ion:117 Resp: 5182
Ion Ratio Lower Upper
117 100
119 108.5 75.1 112.7





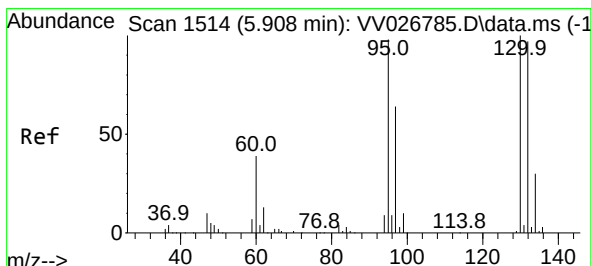
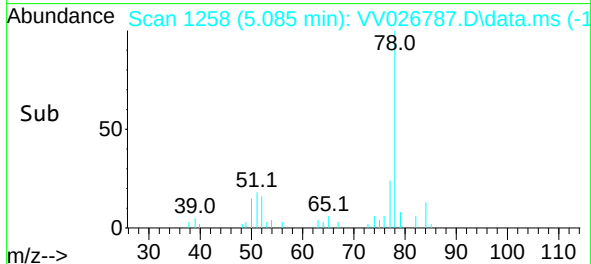
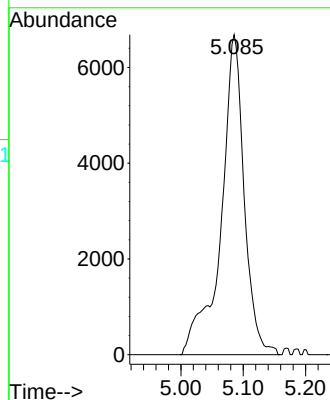
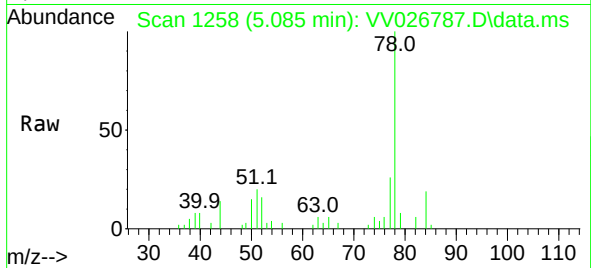
#33
Benzene
Concen: 0.265 ug/L
RT: 5.085 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 78 Resp: 17238

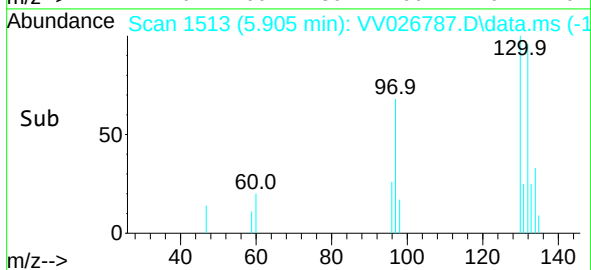
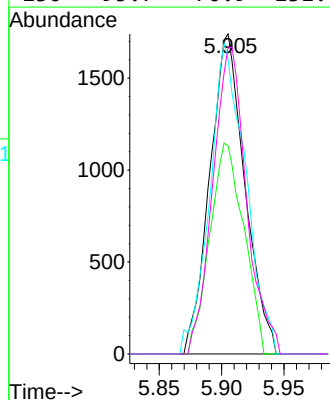
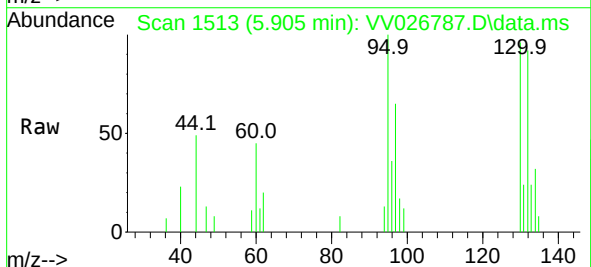
Manual Integrations
APPROVED

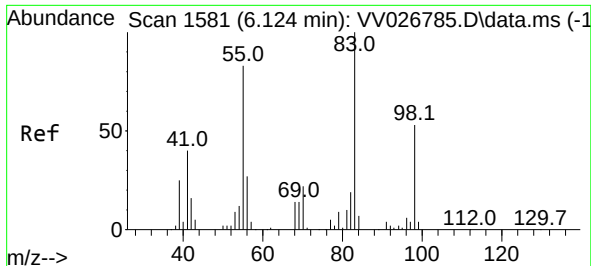
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#34
Trichloroethene
Concen: 0.213 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Tgt Ion: 95 Resp: 3408
Ion Ratio Lower Upper
95 100
97 65.1 44.6 82.8
132 92.2 70.2 130.4
130 95.7 70.9 131.7





#35

Methylcyclohexane

Concen: 0.163 ug/L

RT: 6.108 min Scan# 1576

Delta R.T. -0.016 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2022-03

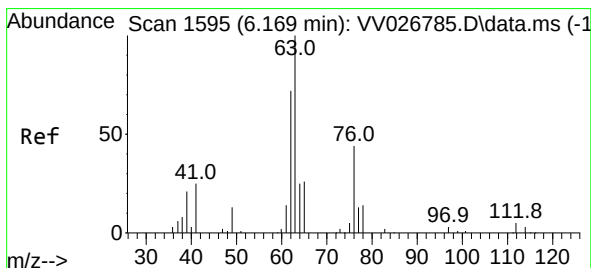
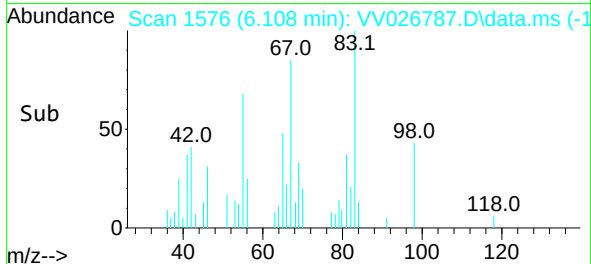
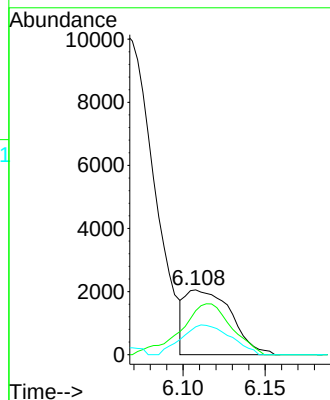
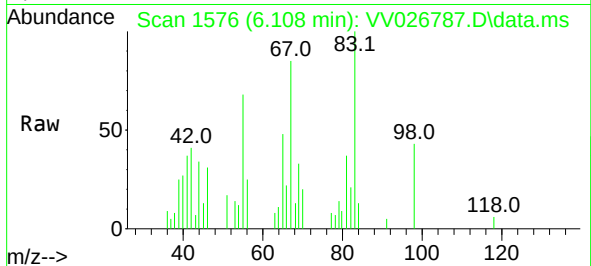
Tgt Ion: 83	Resp: 3990
Ion Ratio	Lower Upper
83 100	
55 86.9	59.5 89.3
98 48.7	38.3 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#37

1,2-Dichloropropane

Concen: 0.227 ug/L

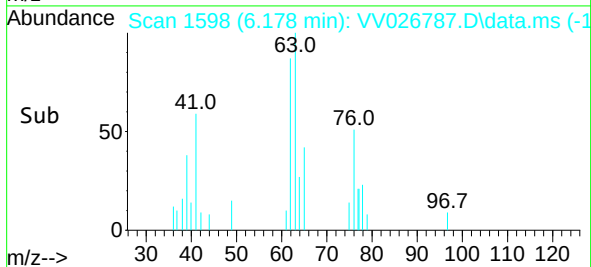
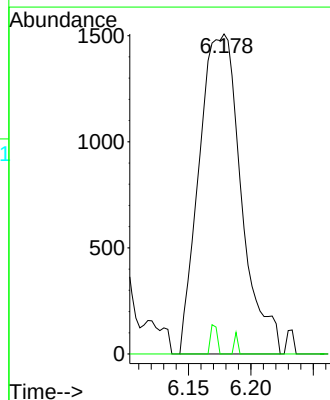
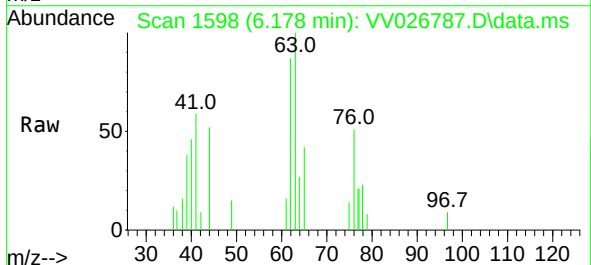
RT: 6.178 min Scan# 1598

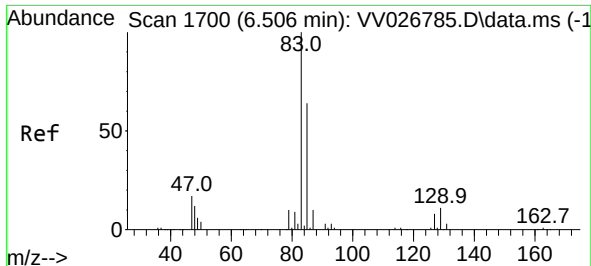
Delta R.T. 0.010 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

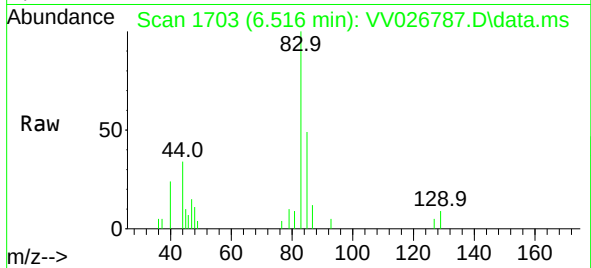
Tgt Ion: 63	Resp: 3539
Ion Ratio	Lower Upper
63 100	
112 0.6	4.2 6.2#





#38
Bromodichloromethane
Concen: 0.233 ug/L
RT: 6.516 min Scan# 1700
Delta R.T. 0.010 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

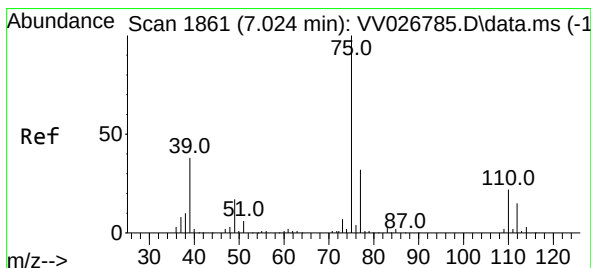
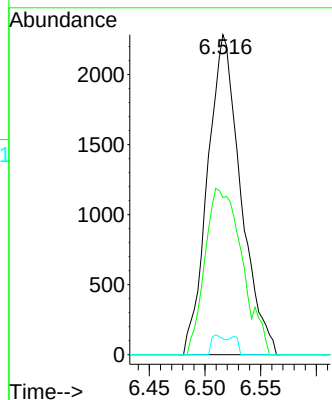
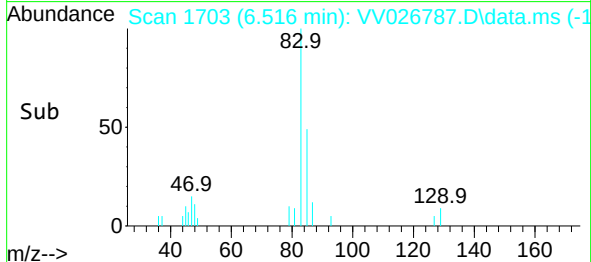
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 83 Resp: 4720
Ion Ratio Lower Upper
83 100
85 49.1 45.4 84.4
127 4.9 6.6 10.0

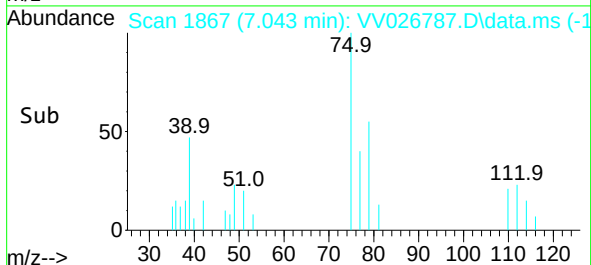
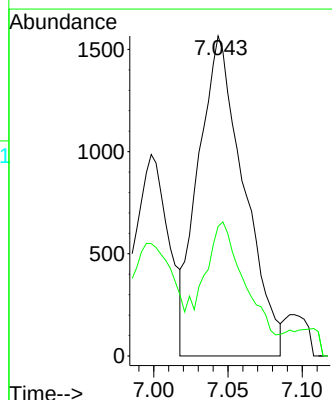
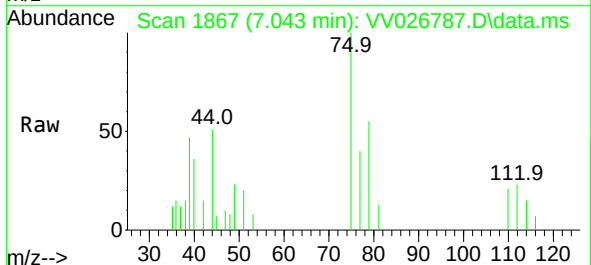
Manual Integrations
APPROVED

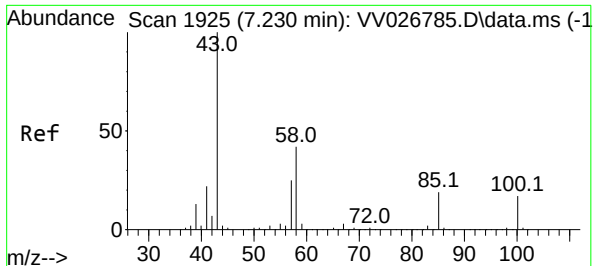
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#39
cis-1,3-Dichloropropene
Concen: 0.173 ug/L
RT: 7.043 min Scan# 1867
Delta R.T. 0.019 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Tgt Ion: 75 Resp: 3341
Ion Ratio Lower Upper
75 100
77 40.5 21.4 39.8





#40

4-Methyl-2-pentanone

Concen: 1.824 ug/L

RT: 7.259 min Scan# 1925

Delta R.T. 0.029 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2022-03

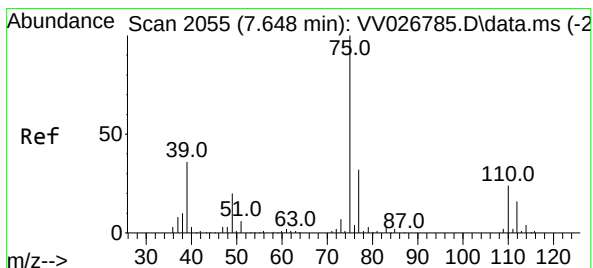
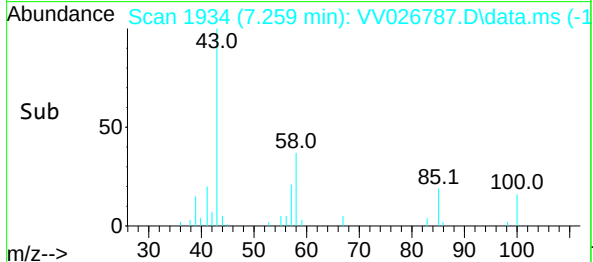
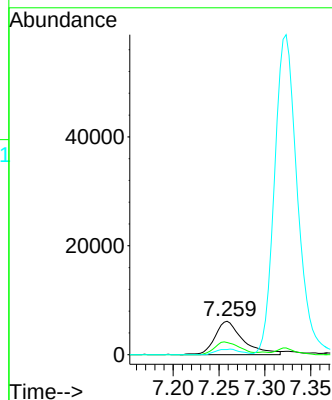
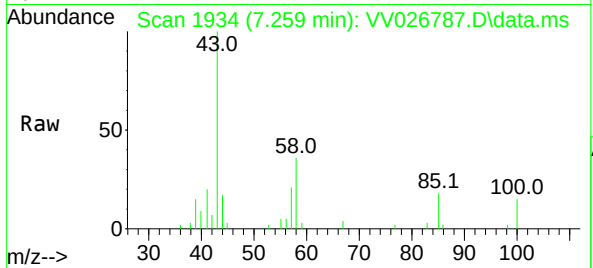
Tgt Ion: 43	Resp: 1311
Ion Ratio	Lower Upper
43	100
58	34.4 34.6 51.8
100	0.0 13.6 20.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#44

trans-1,3-Dichloropropene

Concen: 0.208 ug/L

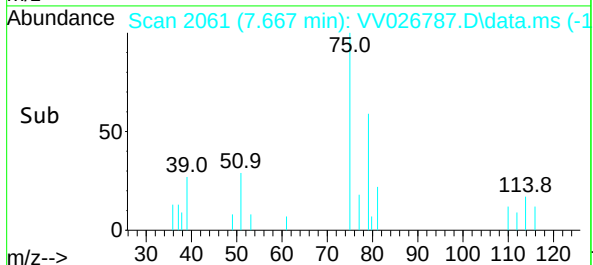
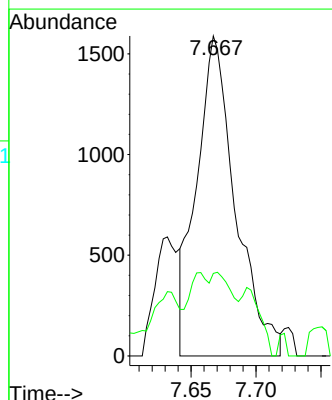
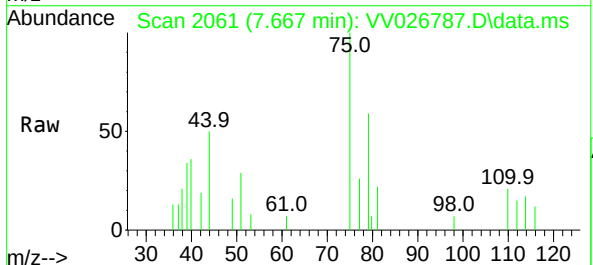
RT: 7.667 min Scan# 2061

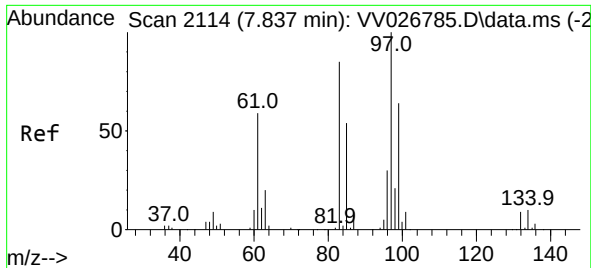
Delta R.T. 0.019 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

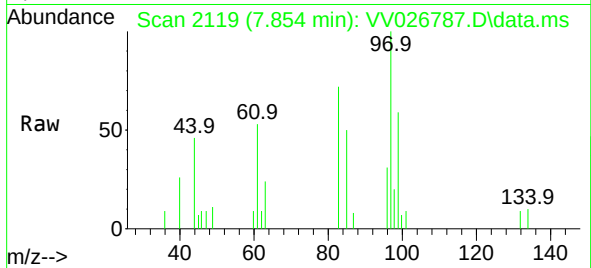
Tgt Ion: 75	Resp: 3302
Ion Ratio	Lower Upper
75	100
77	25.8 22.7 42.3





#45
1,1,2-Trichloroethane
Concen: 0.238 ug/L
RT: 7.854 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

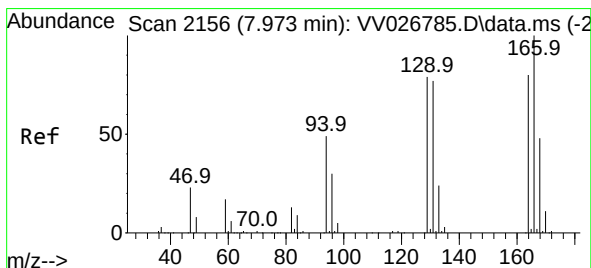
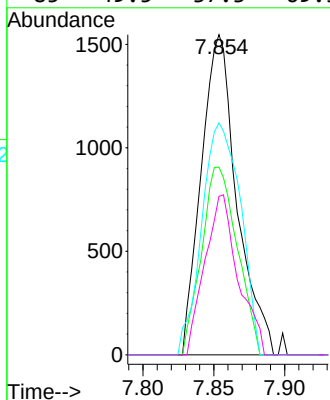
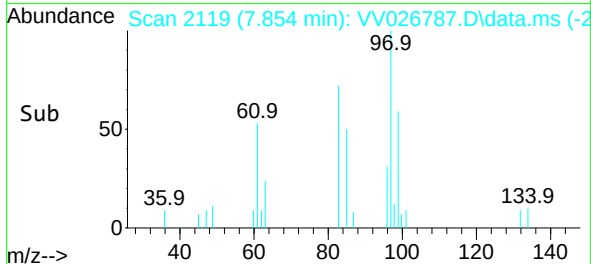
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2022-03



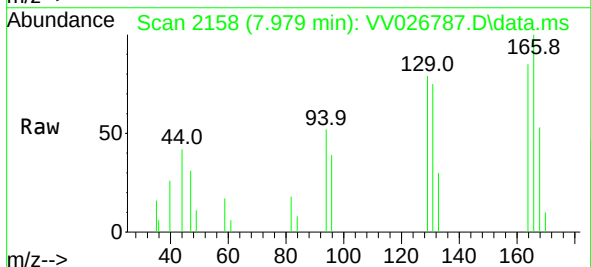
Tgt Ion:	97	Resp:	2709
Ion Ratio	100	Lower	Upper
97	100		
99	58.6	41.9	77.9
83	72.4	58.1	107.9
85	49.5	37.3	69.3

Manual Integrations
APPROVED

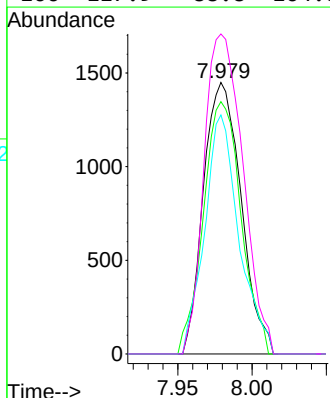
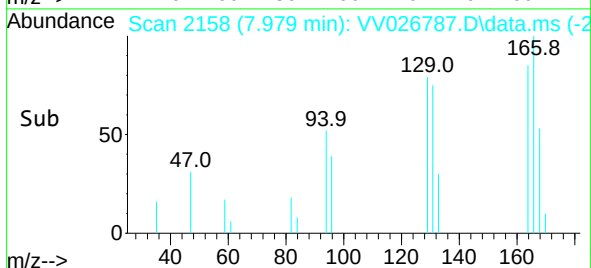
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

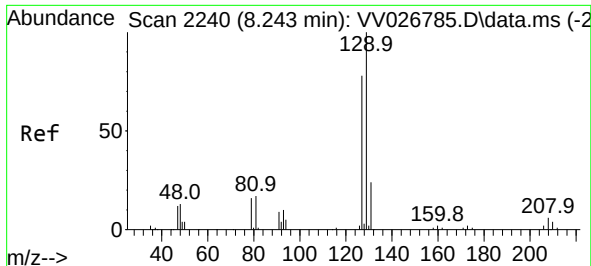


#47
Tetrachloroethene
Concen: 0.204 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



Tgt Ion:	164	Resp:	2554
Ion Ratio	100	Lower	Upper
164	100		
129	93.0	67.8	125.8
131	88.1	65.9	122.5
166	117.9	88.8	164.8





#49

Dibromochloromethane

Concen: 0.202 ug/L

RT: 8.252 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion:129 Resp: 2652

Ion Ratio Lower Upper

129 100

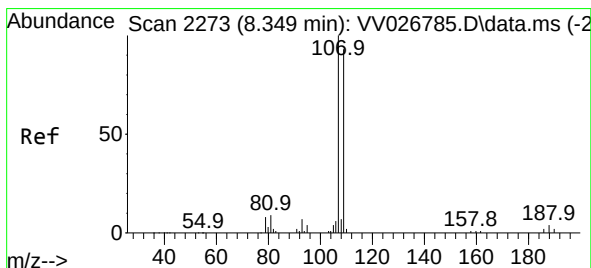
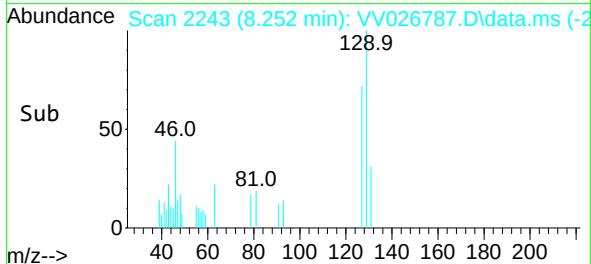
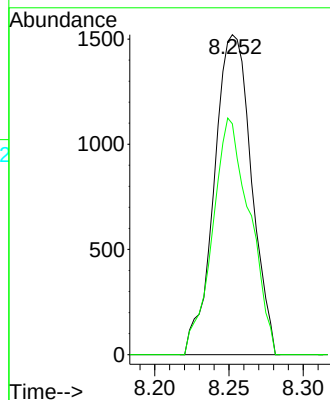
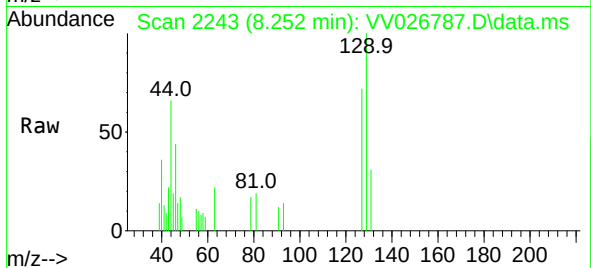
127 72.1 55.7 103.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#50

1,2-Dibromoethane

Concen: 0.232 ug/L

RT: 8.362 min Scan# 2277

Delta R.T. 0.013 min

Lab File: VV026787.D

Acq: 15 Jul 2022 13:39

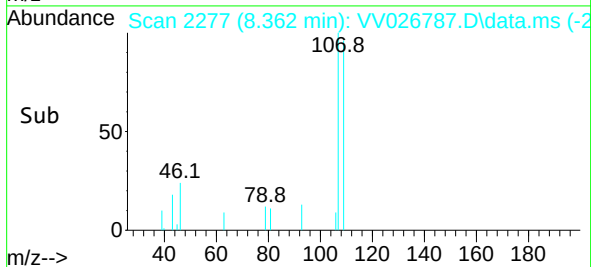
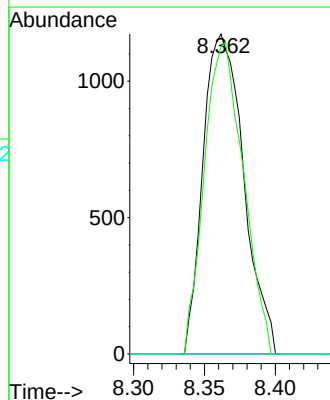
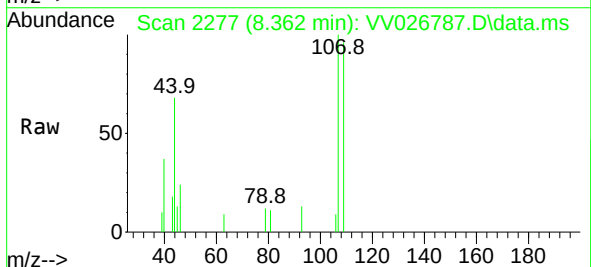
Tgt Ion:107 Resp: 2338

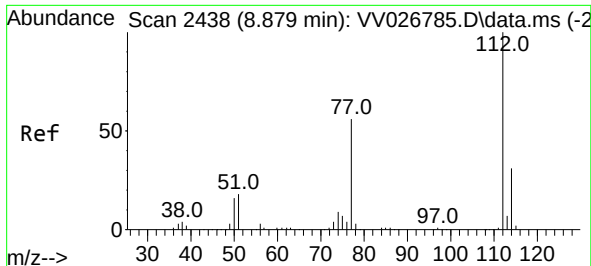
Ion Ratio Lower Upper

107 100

109 96.0 68.0 126.4

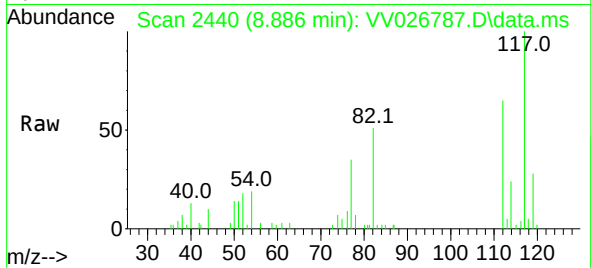
188 0.0 2.8 4.2#





#51
Chlorobenzene
Concen: 0.207 ug/L
RT: 8.886 min Scan# 2438
Delta R.T. 0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

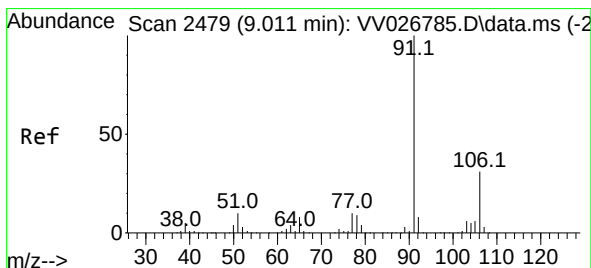
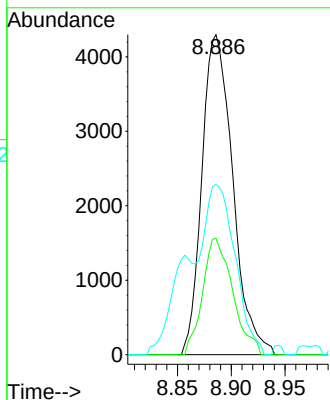
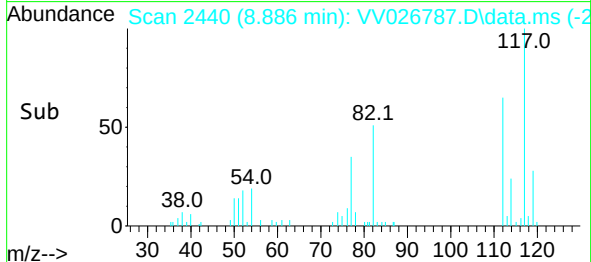
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion:112 Resp: 858
Ion Ratio Lower Upper
112 100
114 36.4 22.7 42.1
77 53.2 46.6 70.0

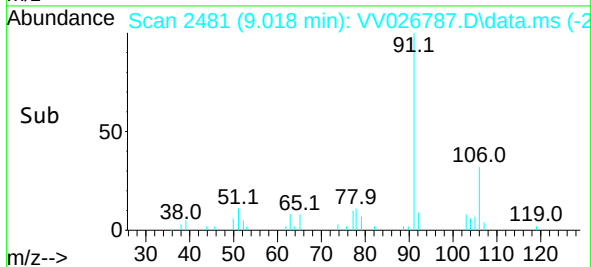
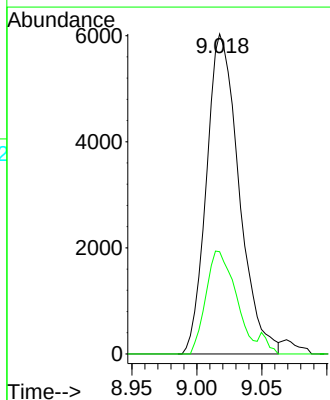
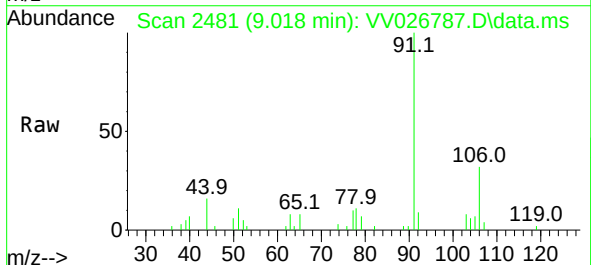
Manual Integrations
APPROVED

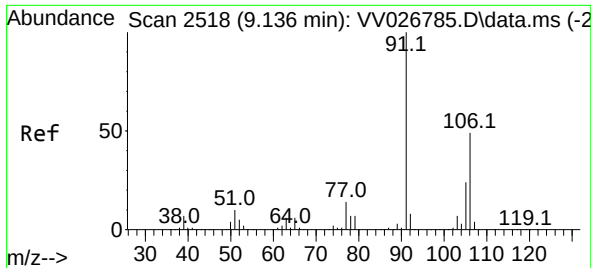
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#52
Ethylbenzene
Concen: 0.161 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Tgt Ion: 91 Resp: 10486
Ion Ratio Lower Upper
91 100
106 31.9 21.6 40.2





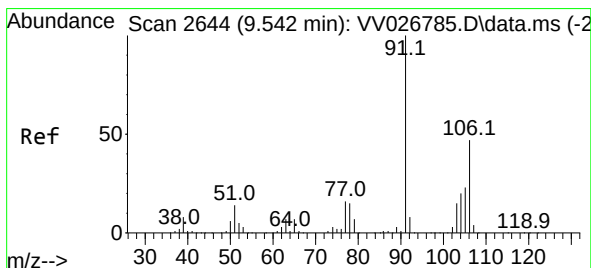
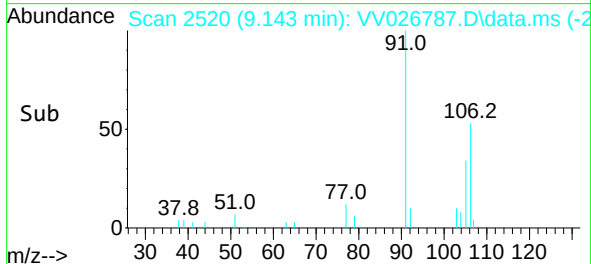
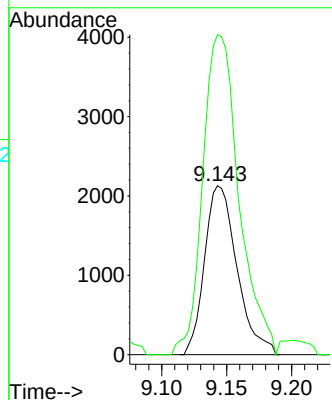
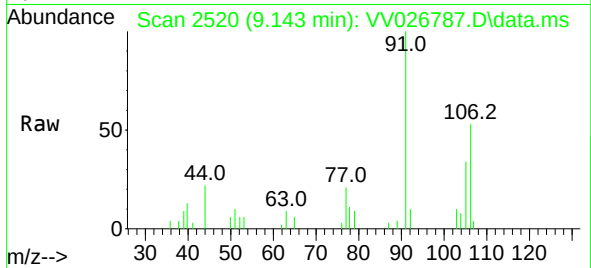
#53
m,p-Xylene
Concen: 0.146 ug/L
RT: 9.143 min Scan# 2518
Delta R.T. 0.007 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion:106 Resp: 3690
Ion Ratio Lower Upper
106 100
91 189.5 139.3 258.7

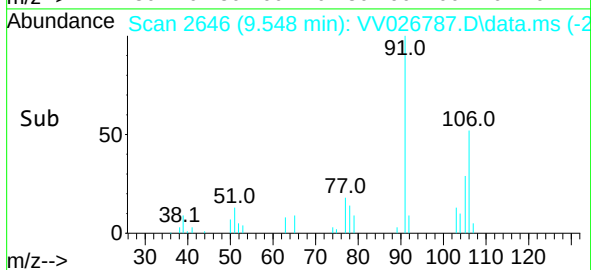
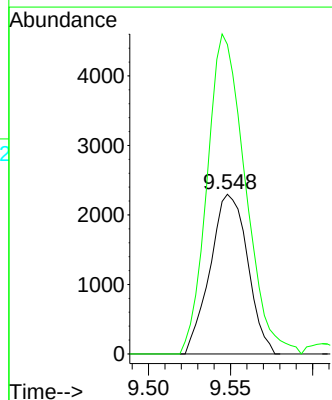
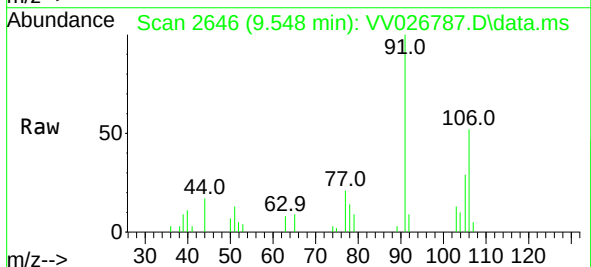
Manual Integrations
APPROVED

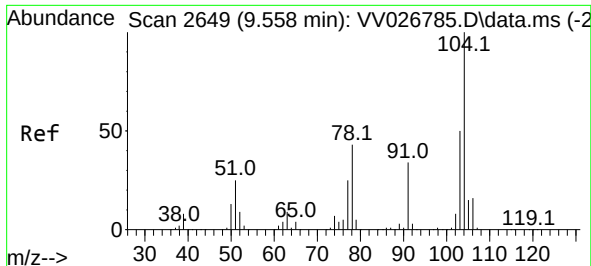
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#54
o-Xylene
Concen: 0.151 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

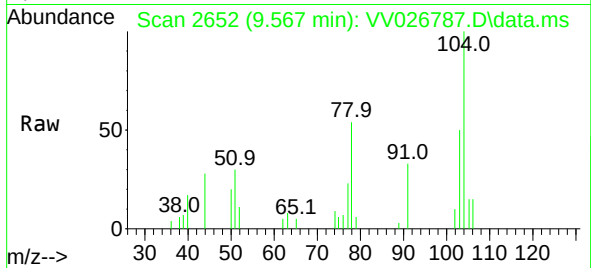
Tgt Ion:106 Resp: 3641
Ion Ratio Lower Upper
106 100
91 193.8 151.1 280.7





#55
Styrene
Concen: 0.127 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

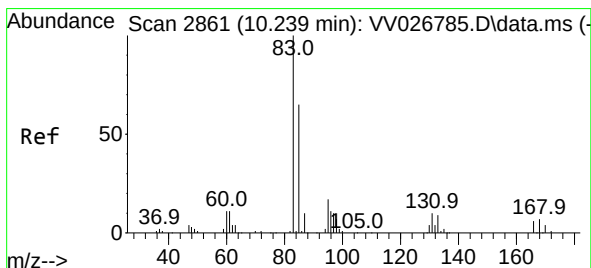
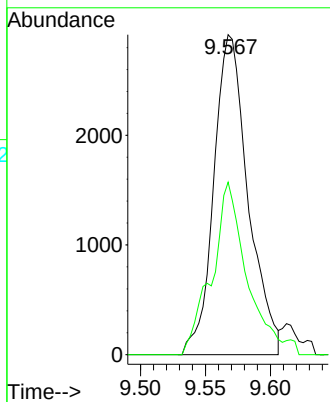
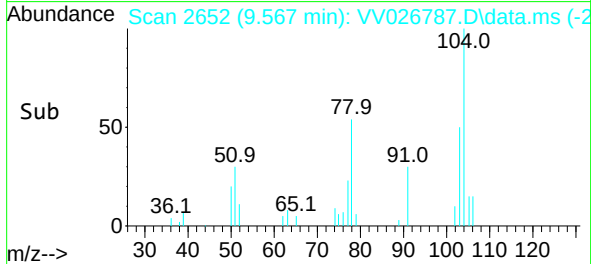
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



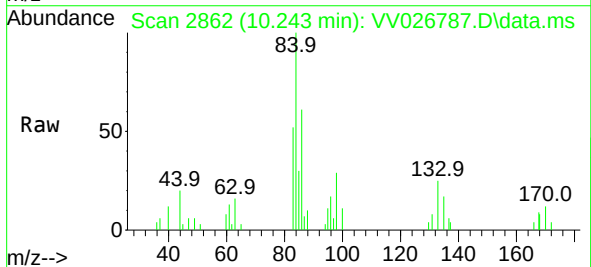
Tgt Ion:104 Resp: 5360
Ion Ratio Lower Upper
104 100
78 53.9 29.5 54.9

Manual Integrations
APPROVED

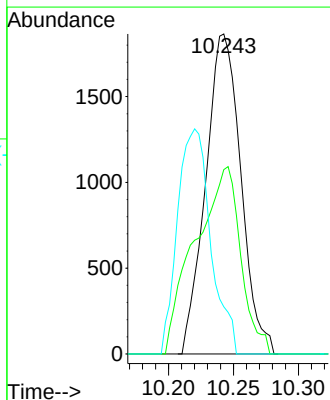
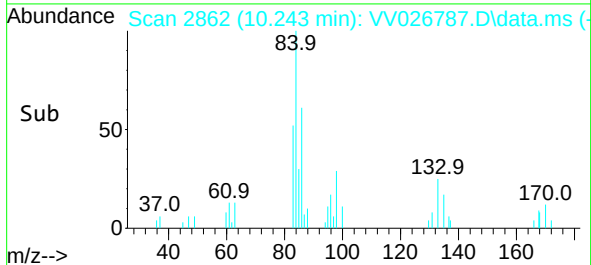
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

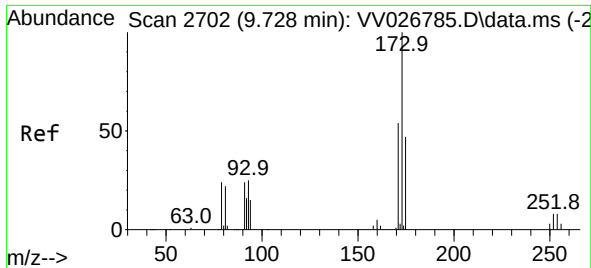


#57
1,1,2,2-Tetrachloroethane
Concen: 0.261 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



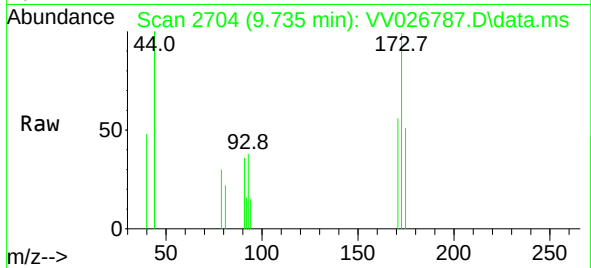
Tgt Ion: 83 Resp: 3516
Ion Ratio Lower Upper
83 100
85 57.6 43.6 81.0
131 14.7 7.4 11.2#





#59
Bromoform
Concen: 0.250 ug/L
RT: 9.735 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

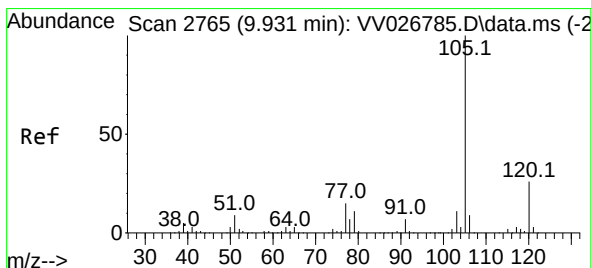
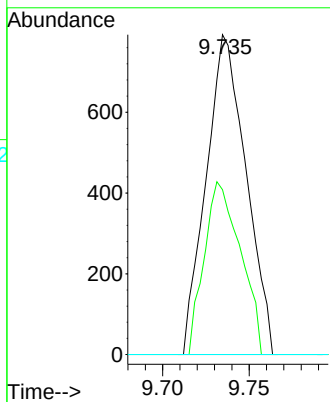
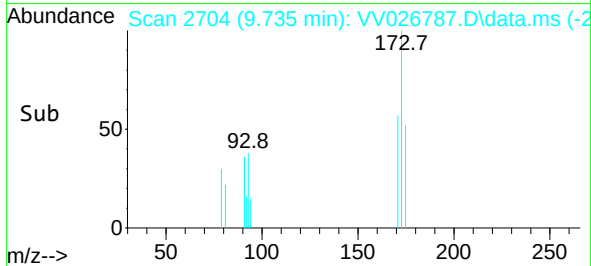
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



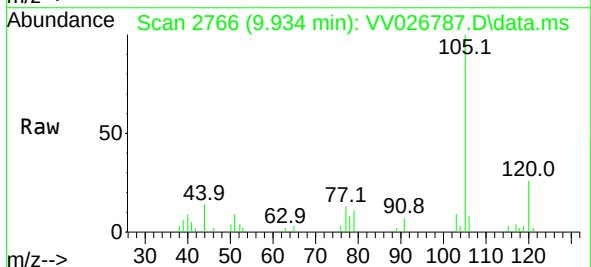
Tgt Ion:173 Resp: 126
Ion Ratio Lower Upper
173 100
175 49.2 40.7 61.1
254 0.0 6.5 9.7

Manual Integrations
APPROVED

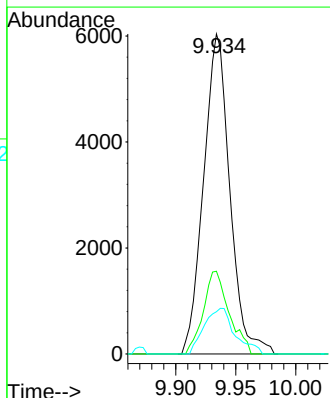
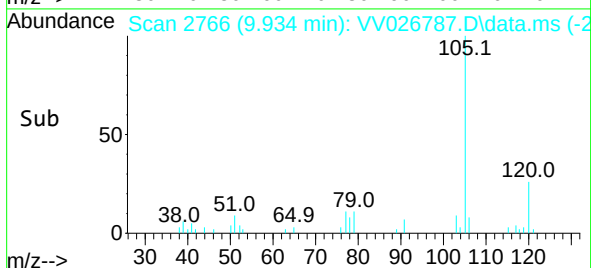
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

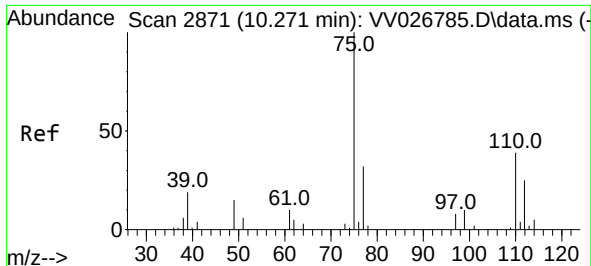


#60
Isopropylbenzene
Concen: 0.186 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



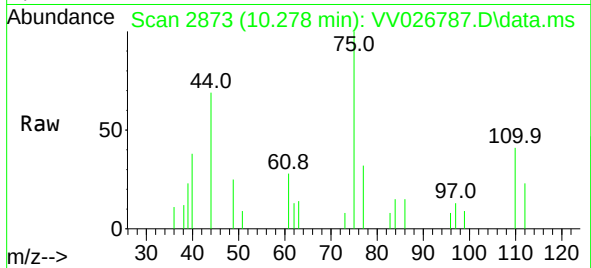
Tgt Ion:105 Resp: 9196
Ion Ratio Lower Upper
105 100
120 25.3 20.7 31.1
77 16.6 12.5 18.7





#61
1,2,3-Trichloropropane
Concen: 0.250 ug/L
RT: 10.278 min Scan# 2871
Delta R.T. 0.007 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

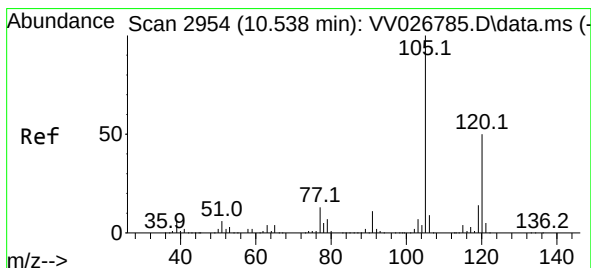
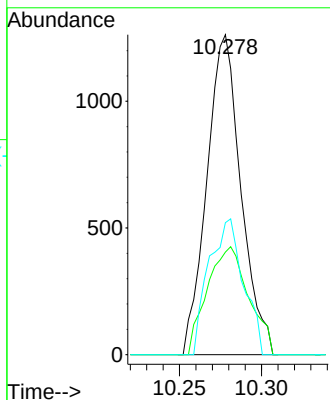
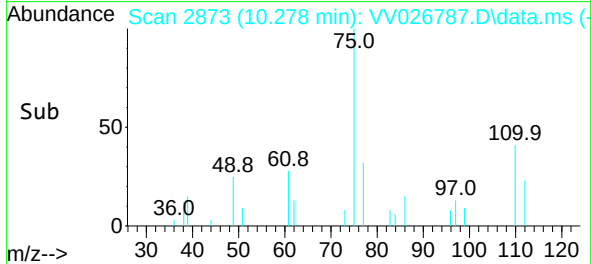
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 75 Resp: 1820
Ion Ratio Lower Upper
75 100
77 41.1 25.4 38.0
110 42.9 31.8 47.6

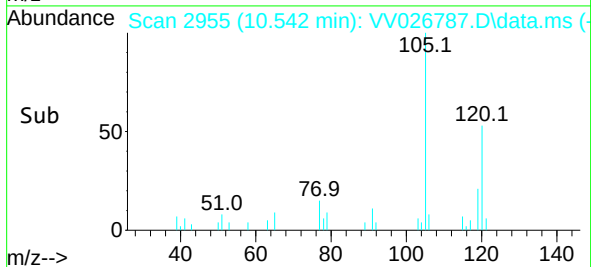
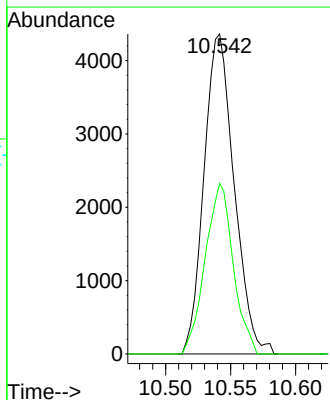
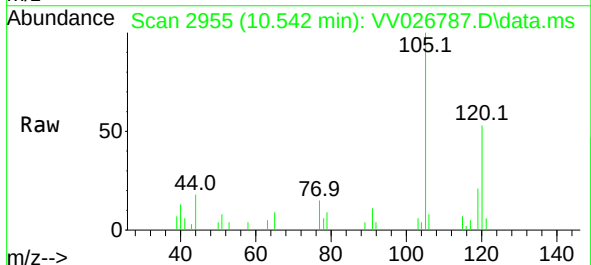
Manual Integrations
APPROVED

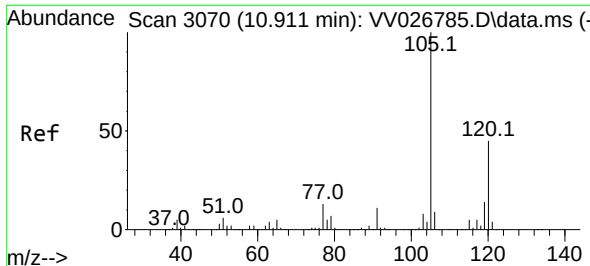
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#62
1,3,5-Trimethylbenzene
Concen: 0.179 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

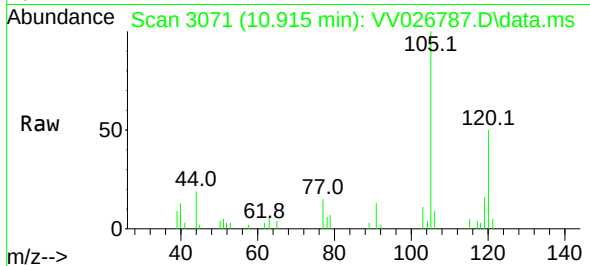
Tgt Ion:105 Resp: 7033
Ion Ratio Lower Upper
105 100
120 49.5 39.6 59.4





#63
1,2,4-Trimethylbenzene
Concen: 0.174 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

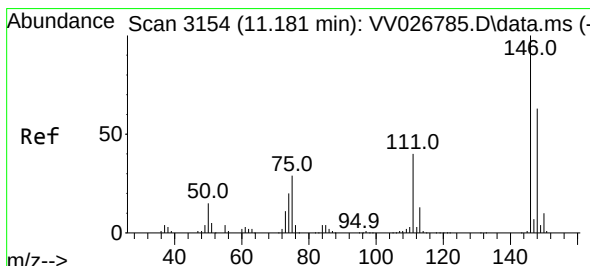
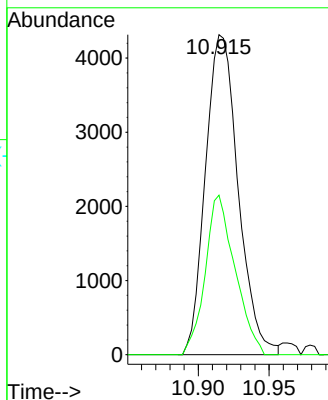
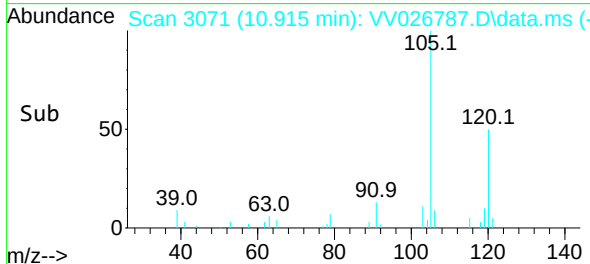
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



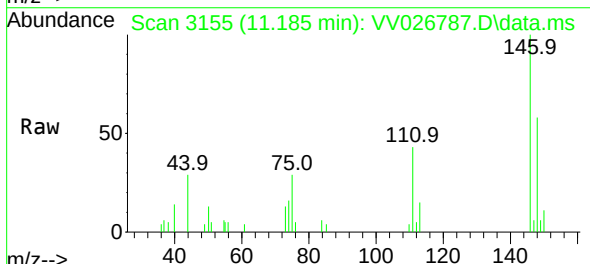
Tgt Ion:105 Resp: 6940
Ion Ratio Lower Upper
105 100
120 45.3 36.8 55.2

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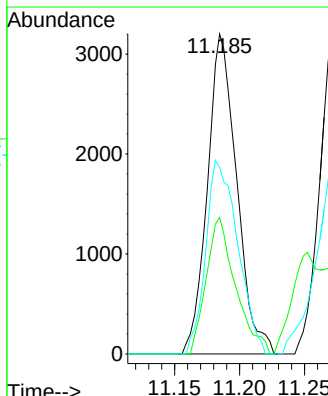
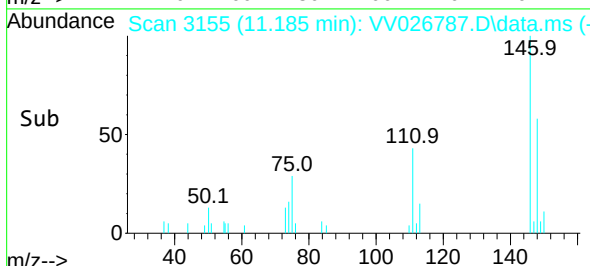
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

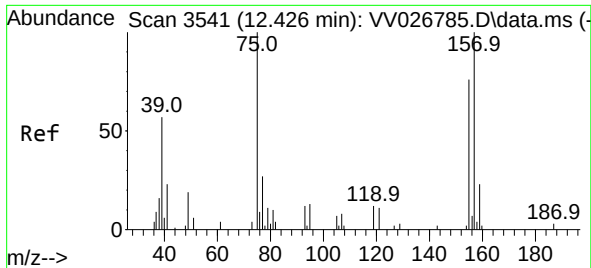


#64
1,3-Dichlorobenzene
Concen: 0.207 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



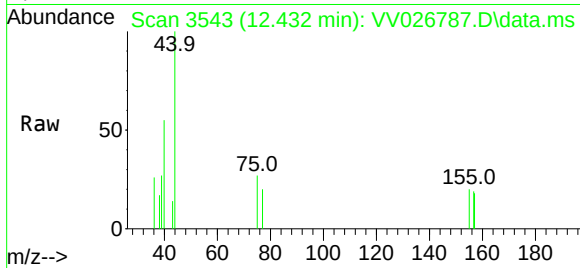
Tgt Ion:146 Resp: 5014
Ion Ratio Lower Upper
146 100
111 42.7 27.9 51.7
148 58.3 44.9 83.5





#68
1,2-Dibromo-3-chloropropane
Concen: 0.245 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.006 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

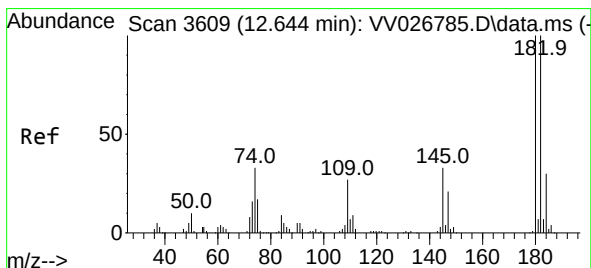
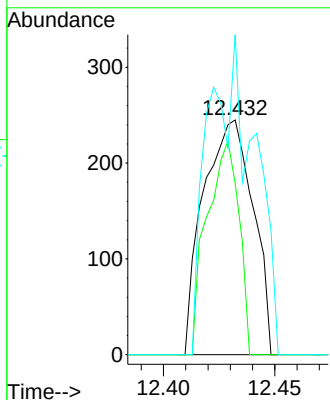
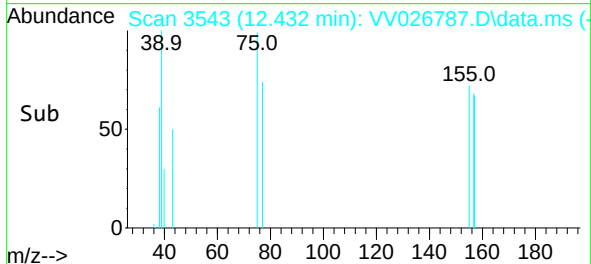
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



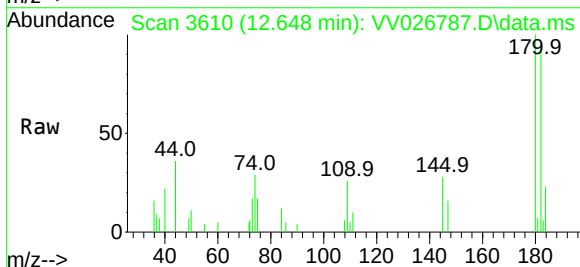
Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
155 73.1 60.3 90.5
157 136.3 78.2 117.4

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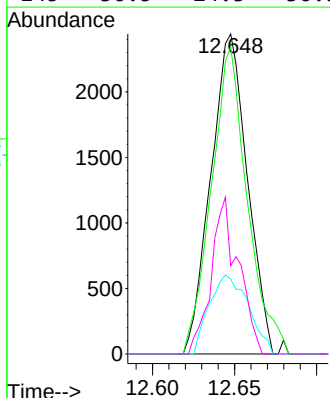
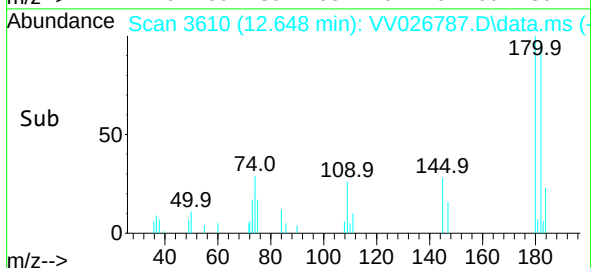
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

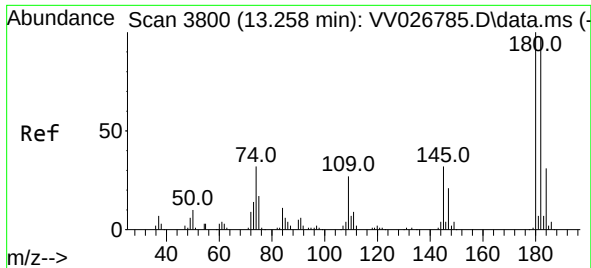


#69
1,3,5-Trichlorobenzene
Concen: 0.221 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



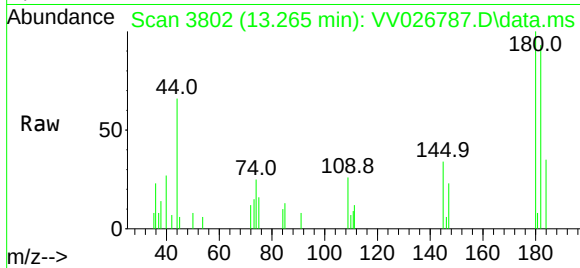
Tgt Ion:180 Resp: 3772
Ion Ratio Lower Upper
180 100
182 94.7 74.0 111.0
184 26.5 23.1 34.7
145 36.5 24.3 36.5#





#70
1,2,4-trichlorobenzene
Concen: 0.205 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.007 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39

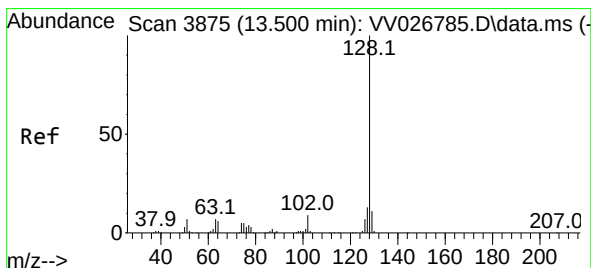
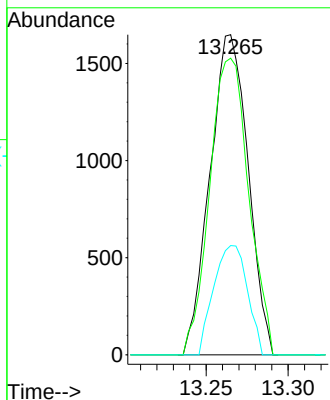
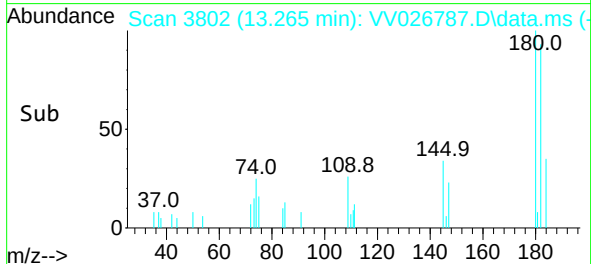
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2022-03



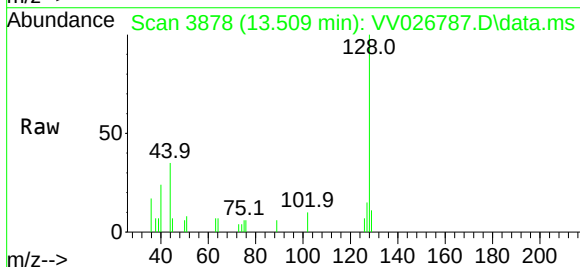
Tgt Ion:180 Resp: 2659
Ion Ratio Lower Upper
180 100
182 94.8 74.7 112.1
145 30.0 24.7 37.1

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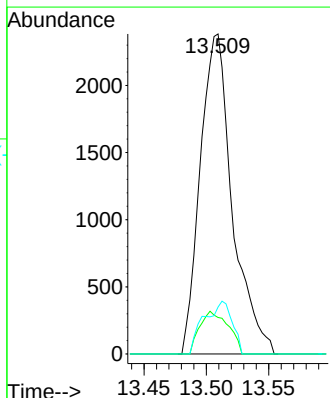
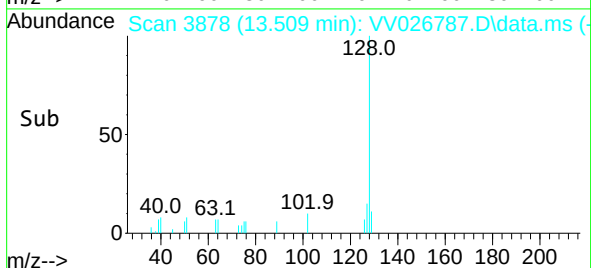
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

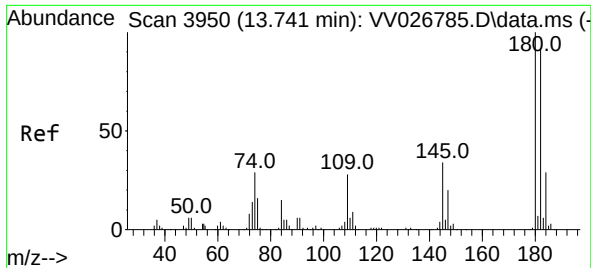


#71
Naphthalene
Concen: 0.198 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV026787.D
Acq: 15 Jul 2022 13:39



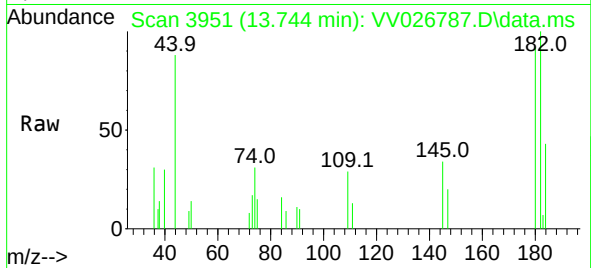
Tgt Ion:128 Resp: 4261
Ion Ratio Lower Upper
128 100
129 12.0 8.4 12.6
127 14.6 10.7 16.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.189 ug/L
 RT: 13.744 min Scan# 3950
 Delta R.T. 0.003 min
 Lab File: VV026787.D
 Acq: 15 Jul 2022 13:39

Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2022-03



Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.3	75.0	112.4
145	33.6	26.0	39.0

Manual Integrations
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Reviewed By :John Carlone 07/18/2022
 Supervised By :Mahesh Dadoda 07/18/2022

