

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031681.D
 Acq On : 11 Jul 2023 16:06
 Operator : SY/MD
 Sample : 03573-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 12 08:11:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	272369	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	283932	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	127224	51.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.220%	
7) Chloroethane-d5	1.532	69	108444	60.788	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 121.580%	
11) 1,1-Dichloroethene-d2	2.060	65	63781	58.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 116.160%	
21) 2-Butanone-d5	3.793	46	169164	107.378	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.380%	
24) Chloroform-d	4.256	84	258674	52.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.160%	
26) 1,2-Dichloroethane-d4	4.950	65	164397	53.141	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.280%	
32) Benzene-d6	4.966	84	438368	51.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.980%	
36) 1,2-Dichloropropane-d6	5.995	67	159646	58.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 116.000%	
41) Toluene-d8	7.249	98	372833	48.710	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.420%	
43) trans-1,3-Dichloroprop...	7.558	79	68194	49.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.240%	
47) 2-Hexanone-d5	8.031	63	103156	97.777	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 97.780%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	213360	51.179	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.360%	
66) 1,2-Dichlorobenzene-d4	11.567	152	144425	58.650	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 117.300%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	7300	2.156	ug/L	97
3) Chloromethane	1.217	50	8570	2.447	ug/L	100
5) Vinyl chloride	1.285	62	8049	2.454	ug/L #	69
6) Bromomethane	1.487	94	5105	2.724	ug/L	89
8) Chloroethane	1.552	64	5147	2.845	ug/L	99
9) Trichlorofluoromethane	1.716	101	11301	2.404	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8587	3.173	ug/L #	82
12) 1,1-Dichloroethene	2.073	96	7336	3.119	ug/L #	1
13) Acetone	2.118	43	7306	5.367	ug/L	98
14) Carbon disulfide	2.246	76	17610	2.274	ug/L	98
15) Methyl Acetate	2.384	43	7227m	2.519	ug/L	
16) Methylene chloride	2.452	84	7339	2.640	ug/L	94
17) trans-1,2-Dichloroethene	2.703	96	4909	2.044	ug/L	85
18) Methyl tert-butyl Ether	2.709	73	13860	1.896	ug/L	98
19) 1,1-Dichloroethane	3.121	63	10716	2.182	ug/L	92
20) cis-1,2-Dichloroethene	3.825	96	5355	2.173	ug/L	94
22) 2-Butanone	3.912	43	8946m	4.743	ug/L	
23) Bromochloromethane	4.162	128	2553m	1.906	ug/L	
25) Chloroform	4.285	83	13939	2.767	ug/L	96

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 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

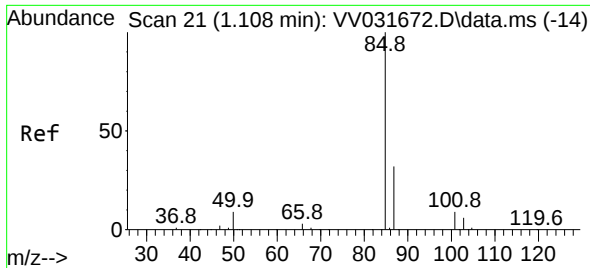
Reviewed By :John
 Carlone

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.060	62	9227	2.466	ug/L	97
29) Cyclohexane	4.590	56	6472	1.739	ug/L	91
30) 1,1,1-Trichloroethane	4.523	97	10630	2.396	ug/L #	89
31) Carbon tetrachloride	4.748	117	8459	2.151	ug/L	98
33) Benzene	5.018	78	22362m	2.309	ug/L	
34) Trichloroethene	5.844	95	6452	2.368	ug/L #	79
35) Methylcyclohexane	6.060	83	9011m	2.430	ug/L	
37) 1,2-Dichloropropane	6.105	63	6883m	2.543	ug/L	
38) Bromodichloromethane	6.449	83	8588	2.340	ug/L	98
39) cis-1,3-Dichloropropene	6.969	75	8935m	2.182	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	12226	3.631	ug/L	95
42) Toluene	7.326	91	20724	2.072	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	8961	2.194	ug/L #	79
45) 1,1,2-Trichloroethane	7.780	97	6185	2.308	ug/L	91
46) Tetrachloroethene	7.915	164	3793	1.831	ug/L	88
49) Dibromochloromethane	8.185	129	5099	1.713	ug/L	82
50) 1,2-Dibromoethane	8.291	107	6283	2.128	ug/L #	94
51) Chlorobenzene	8.821	112	14964	2.258	ug/L	99
52) Ethylbenzene	8.957	91	19103	1.756	ug/L	95
53) m,p-Xylene	9.079	106	6436	1.605	ug/L	90
54) o-Xylene	9.484	106	6182	1.664	ug/L	84
55) Styrene	9.506	104	9533	1.394	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	10428	2.506	ug/L	83
59) Bromoform	9.674	173	3452	2.012	ug/L #	97
60) Isopropylbenzene	9.873	105	14876	1.815	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	7560	2.707	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	12367	1.846	ug/L	93
63) 1,2,4-Trimethylbenzene	10.860	105	11827	1.773	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	9416	2.211	ug/L	90
65) 1,4-Dichlorobenzene	11.217	146	10651	2.306	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	11716	2.683	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	2436	2.859	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	7476	2.344	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	6425	2.273	ug/L	99
71) Naphthalene	13.448	128	15544	1.900	ug/L	97
72) 1,2,3-Trichlorobenzene	13.686	180	6562	2.214	ug/L	92

07/12/2023
 Supervised By :Mahesh
 Dadoda

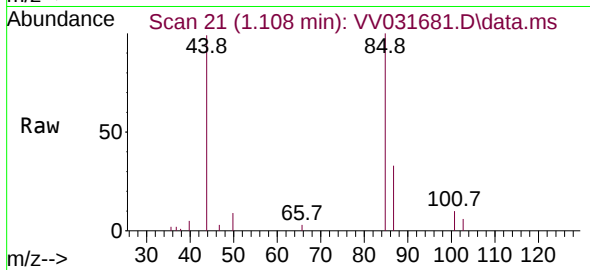
07/12/2023

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



#2
 Dichlorodifluoromethane
 Concen: 2.156 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

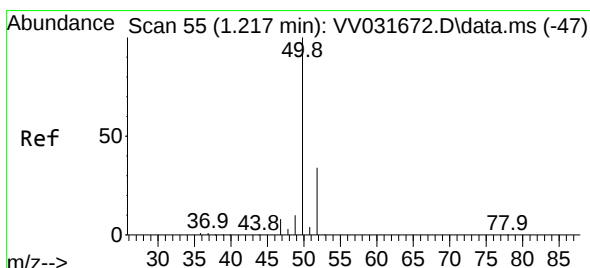
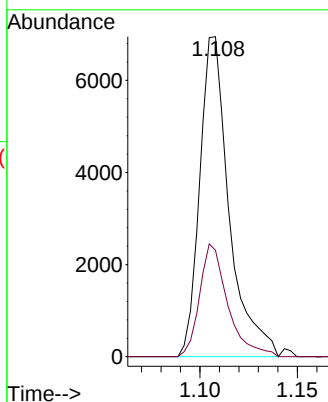
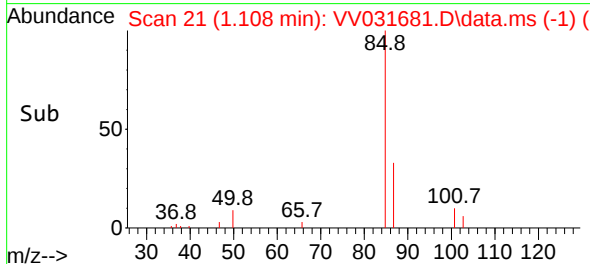
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05



Tgt Ion: 85 Resp: 7300
 Ion Ratio Lower Upper
 85 100
 87 33.8 25.8 38.6

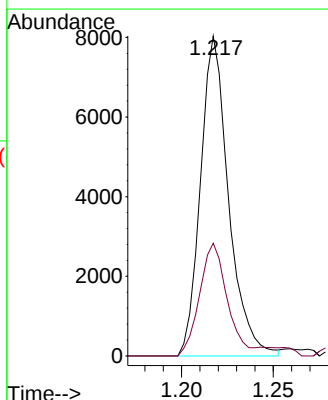
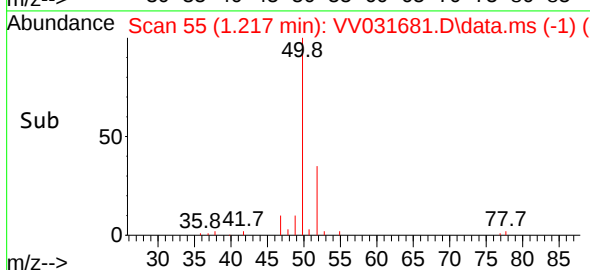
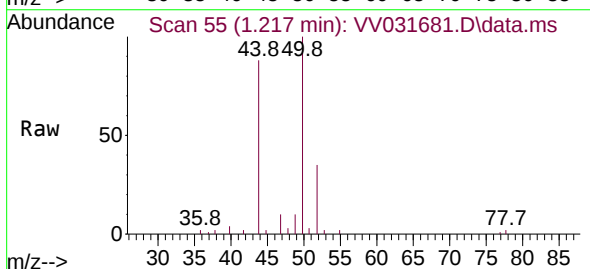
Manual Integrations
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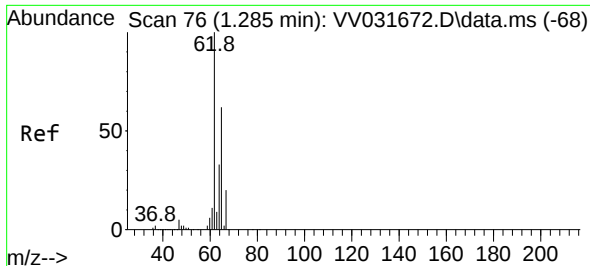
Reviewed By :John Carlone 07/12/2023
 Supervised By :Mahesh Dadoda 07/12/2023



#3
 Chloromethane
 Concen: 2.447 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

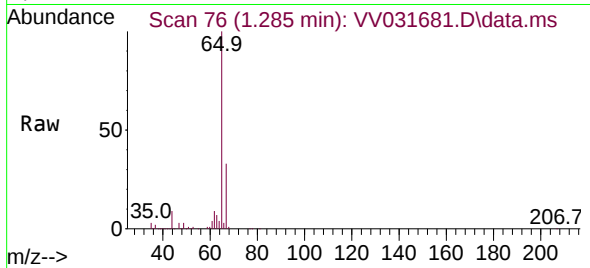
Tgt Ion: 50 Resp: 8570
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.7 44.1





#5
 Vinyl chloride
 Concen: 2.454 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

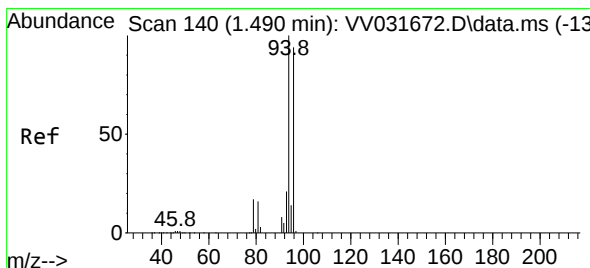
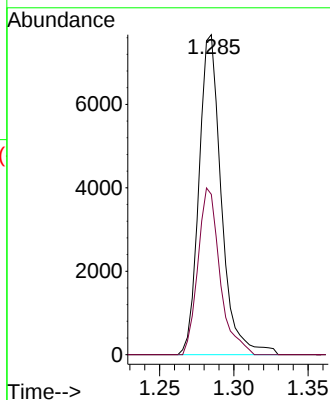
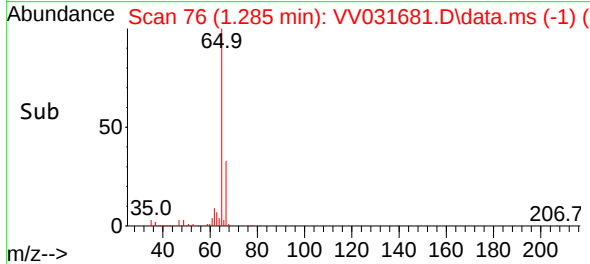
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05



Tgt Ion: 62 Resp: 8049
 Ion Ratio Lower Upper
 62 100
 64 50.1 22.9 42.5

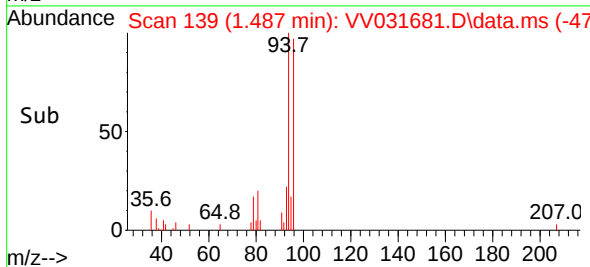
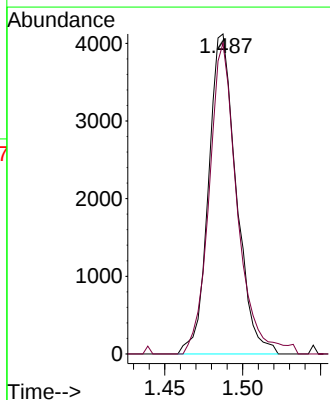
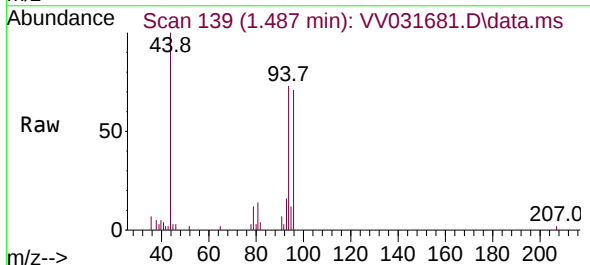
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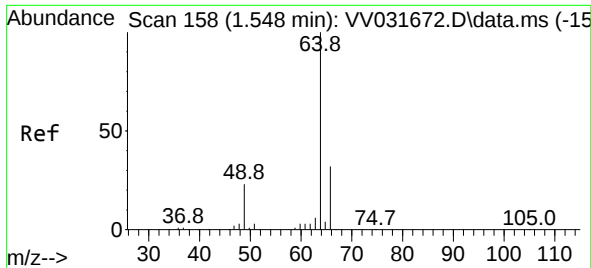
Reviewed By :John Carlone 07/12/2023
 Supervised By :Mahesh Dadoda 07/12/2023



#6
 Bromomethane
 Concen: 2.724 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

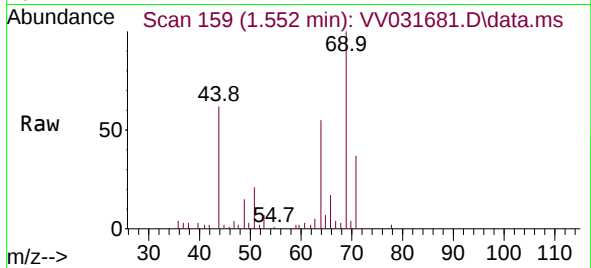
Tgt Ion: 94 Resp: 5105
 Ion Ratio Lower Upper
 94 100
 96 82.9 65.7 121.9





#8
Chloroethane
Concen: 2.845 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

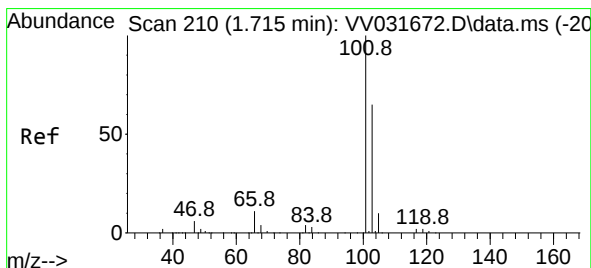
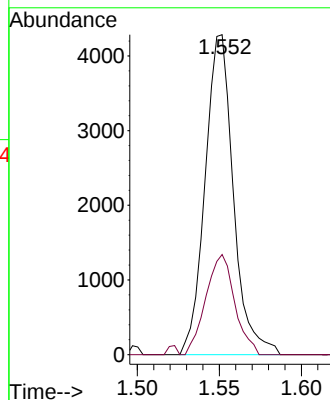
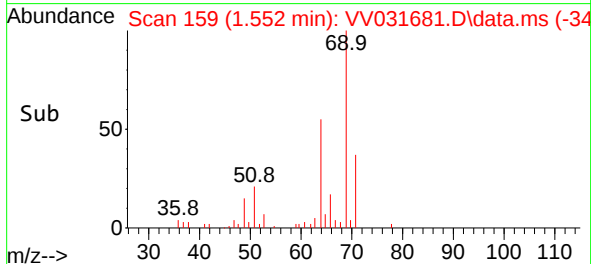
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 31.3 22.4 41.6

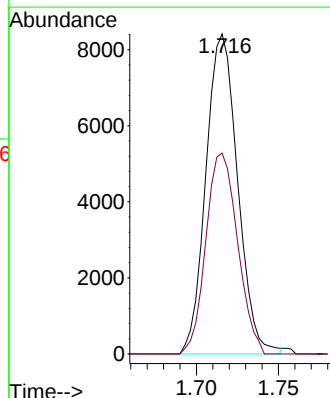
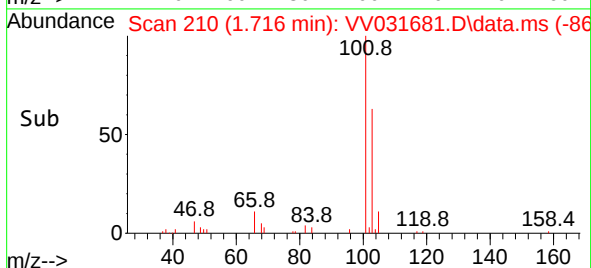
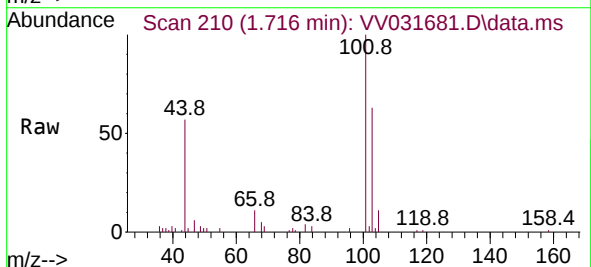
Manual Integrations
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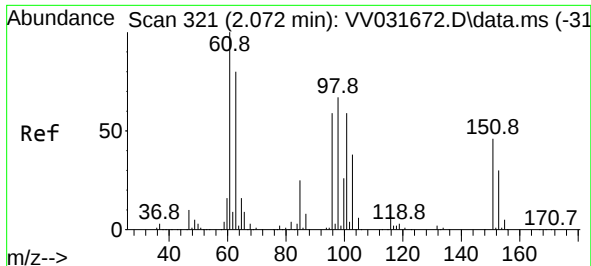
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#9
Trichlorofluoromethane
Concen: 2.404 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion:101 Resp: 11301
Ion Ratio Lower Upper
101 100
103 62.6 51.7 77.5





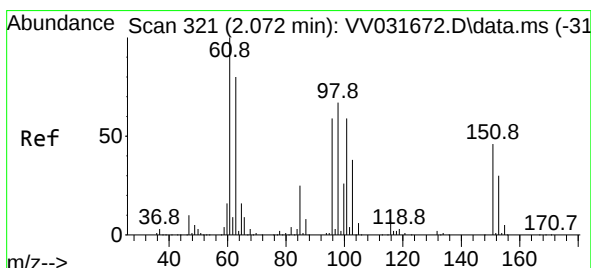
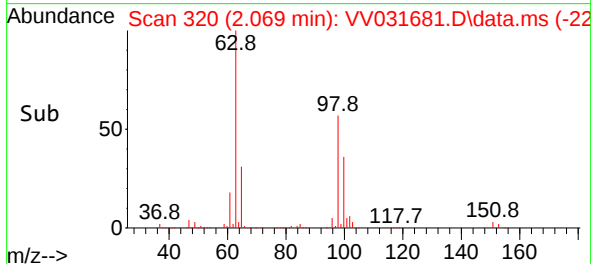
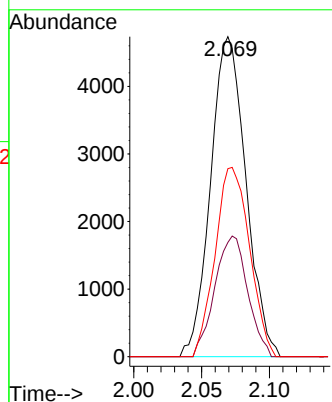
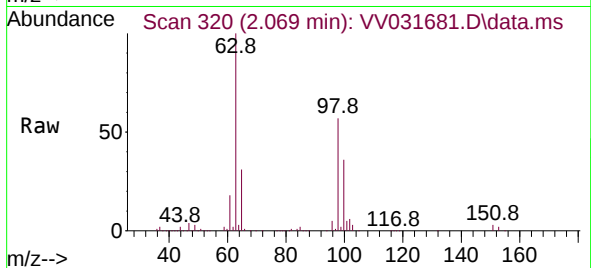
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.173 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:101 Resp: 858
Ion Ratio Lower Upper
101 100
85 35.1 33.9 50.9
151 57.7 61.0 91.6

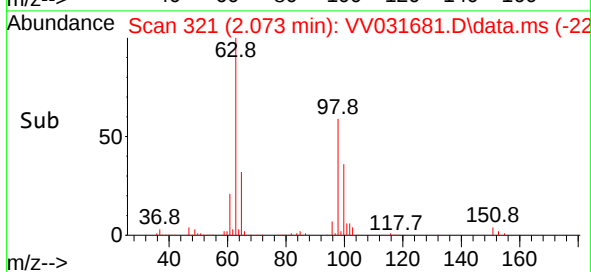
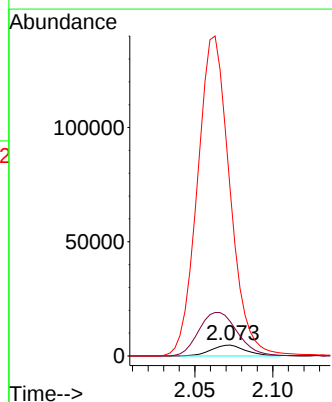
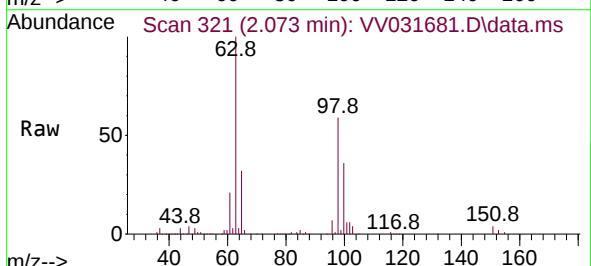
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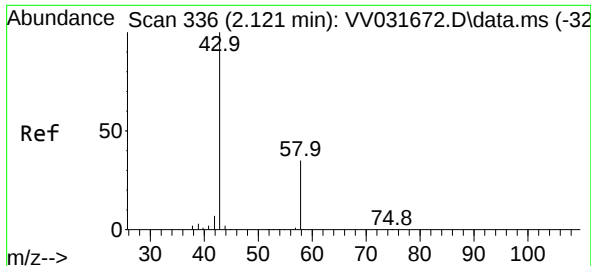
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#12
1,1-Dichloroethene
Concen: 3.119 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 96 Resp: 7336
Ion Ratio Lower Upper
96 100
61 319.1 118.3 219.7#
63 1535.7 96.8 179.8#





#13

Acetone

Concen: 5.367 ug/L

RT: 2.118 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031681.D

Acq: 11 Jul 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion: 43 Resp: 7300

Ion Ratio Lower Upper

43 100

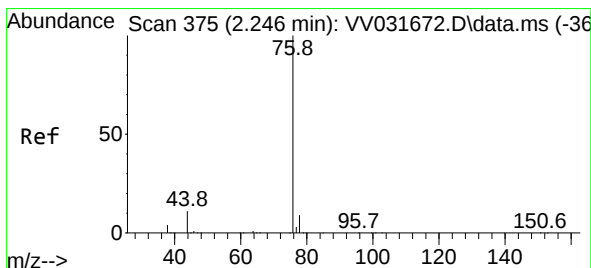
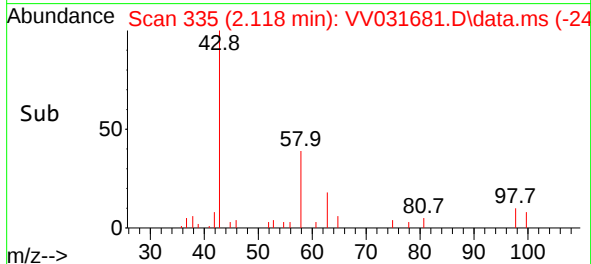
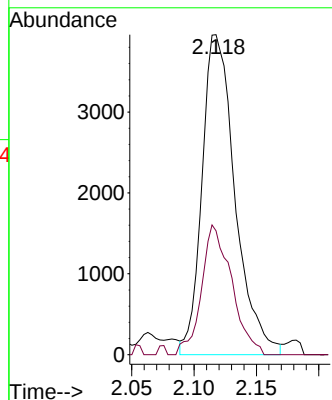
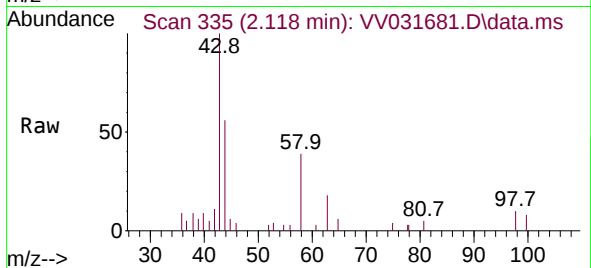
58 36.9 0.0 72.0

Manual Integrations

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Reviewed By :John Carlone 07/12/2023

Supervised By :Mahesh Dadoda 07/12/2023



#14

Carbon disulfide

Concen: 2.274 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031681.D

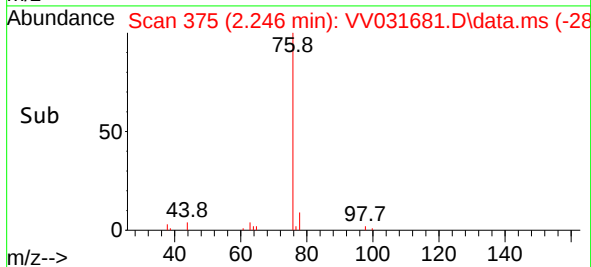
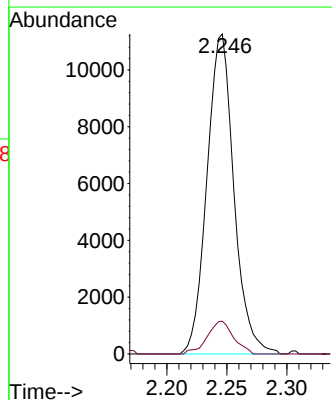
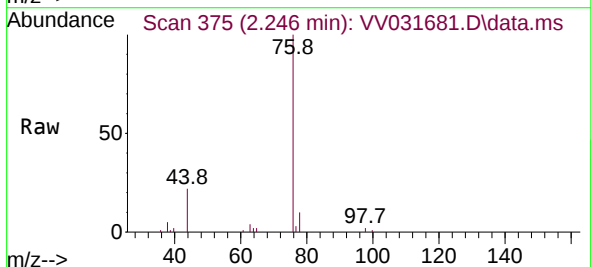
Acq: 11 Jul 2023 16:06

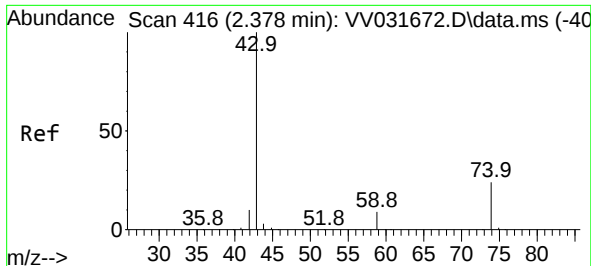
Tgt Ion: 76 Resp: 17610

Ion Ratio Lower Upper

76 100

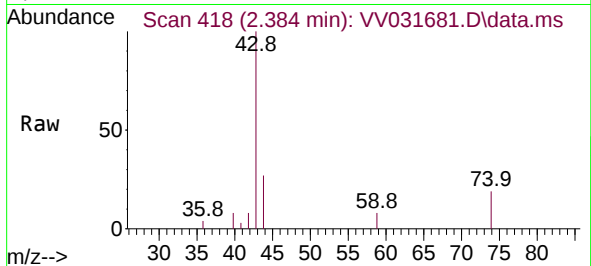
78 10.0 7.4 11.0





#15
Methyl Acetate
Concen: 2.519 ug/L m
RT: 2.384 min Scan# 416
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

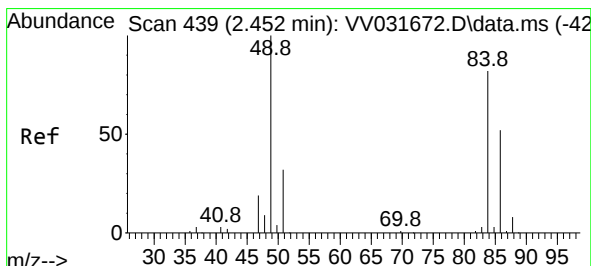
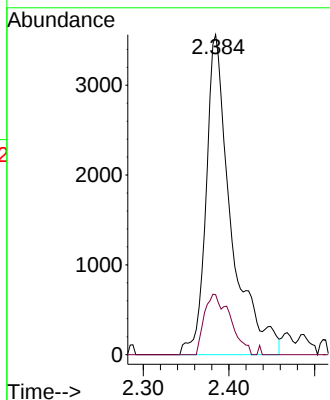
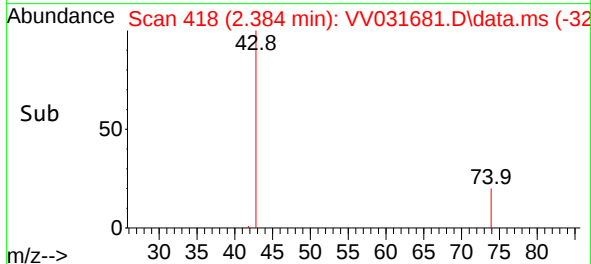
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 12.1 19.5 29.3

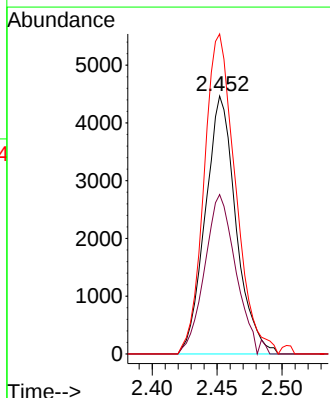
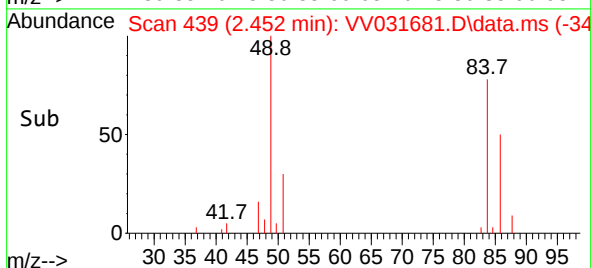
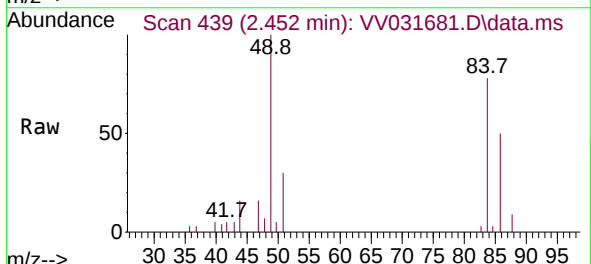
Manual Integrations
APPROVED

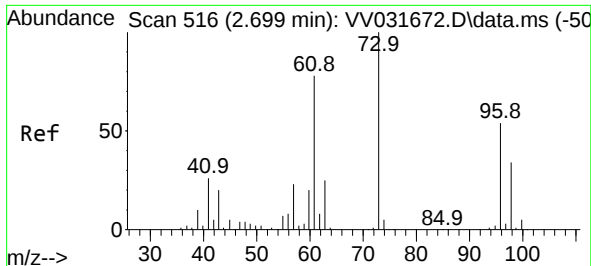
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#16
Methylene chloride
Concen: 2.640 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

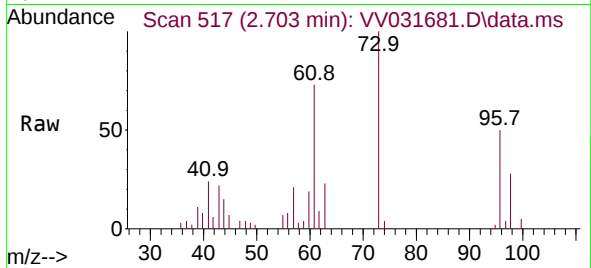
Tgt Ion: 84 Resp: 7339
Ion Ratio Lower Upper
84 100
86 61.8 44.5 82.7
49 130.2 85.3 158.5





#17
trans-1,2-Dichloroethene
Concen: 2.044 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

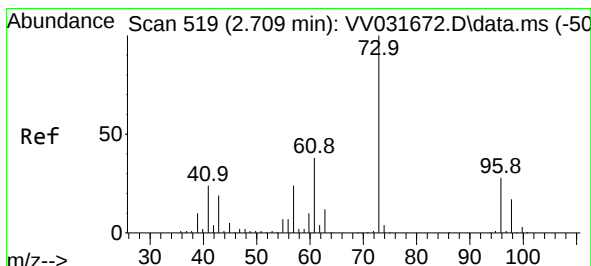
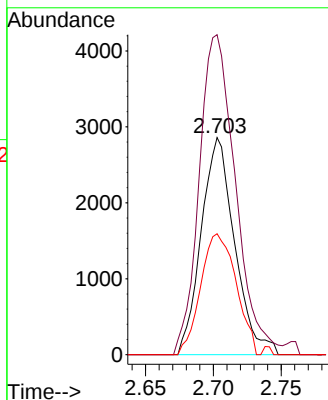
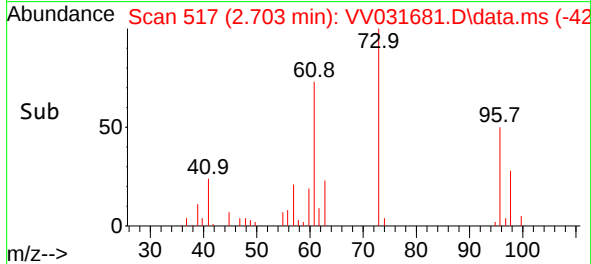
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 96 Resp: 4909
Ion Ratio Lower Upper
96 100
61 165.5 101.6 188.6
98 55.8 44.7 82.9

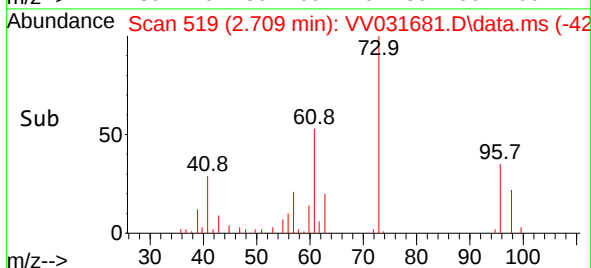
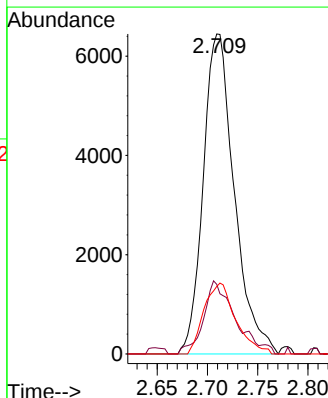
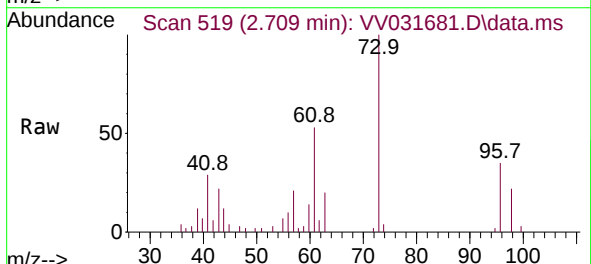
Manual Integrations
APPROVED

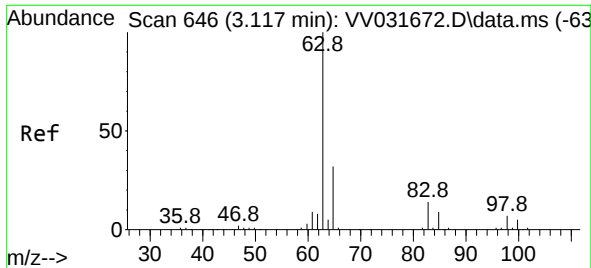
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#18
Methyl tert-butyl Ether
Concen: 1.896 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 73 Resp: 13860
Ion Ratio Lower Upper
73 100
43 20.1 15.0 22.4
57 22.5 18.3 27.5





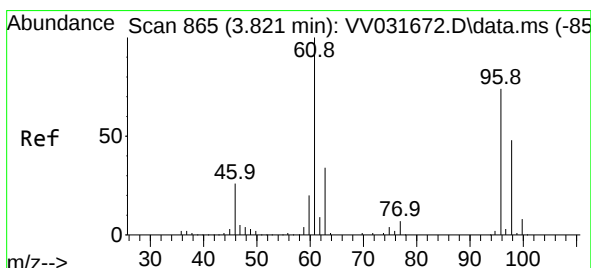
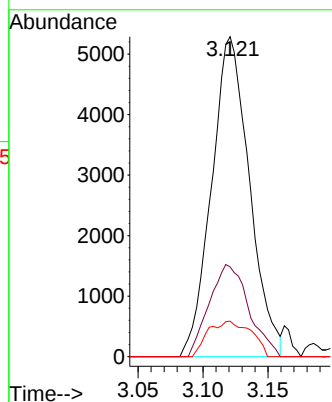
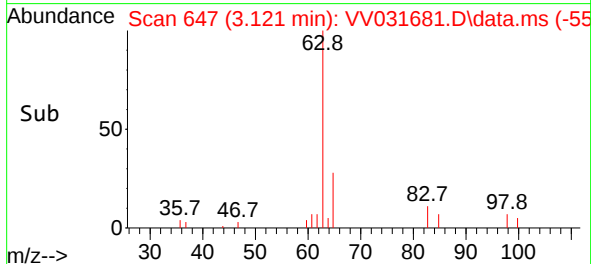
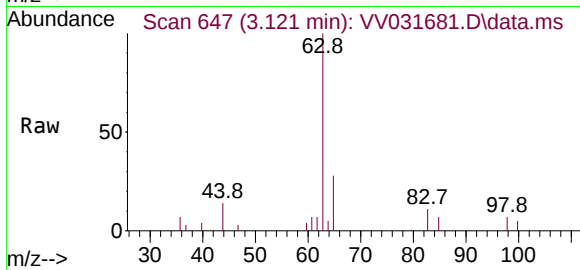
#19
1,1-Dichloroethane
Concen: 2.182 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 63 Resp: 10710
Ion Ratio Lower Upper
63 100
65 28.1 22.3 41.5
83 11.1 10.6 19.6

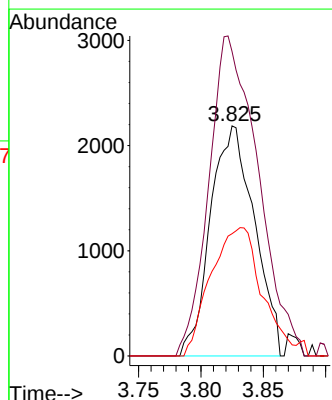
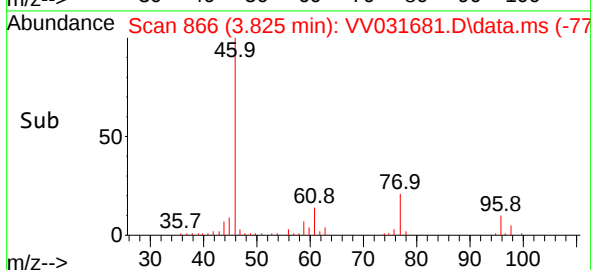
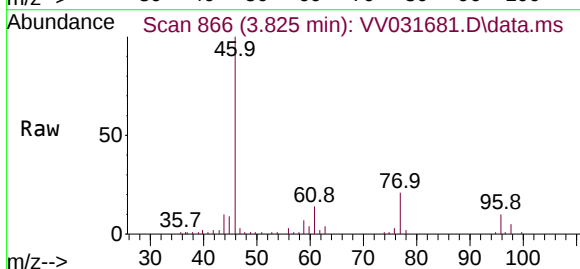
Manual Integrations
APPROVED

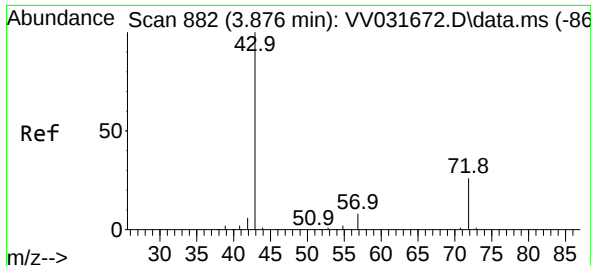
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#20
cis-1,2-Dichloroethene
Concen: 2.173 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

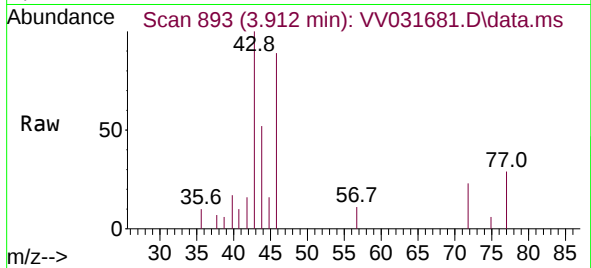
Tgt Ion: 96 Resp: 5355
Ion Ratio Lower Upper
96 100
61 132.3 90.6 168.2
98 53.1 43.8 81.3





#22
2-Butanone
Concen: 4.743 ug/L m
RT: 3.912 min Scan# 893
Delta R.T. 0.036 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

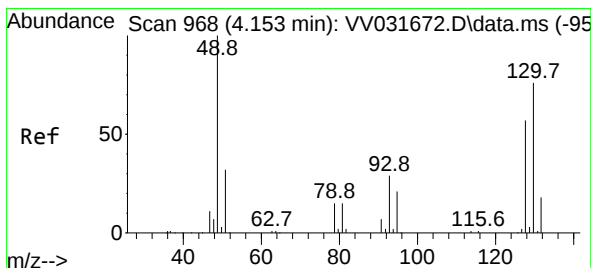
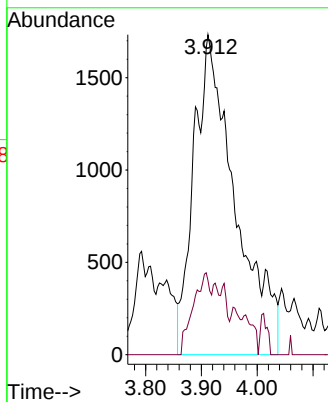
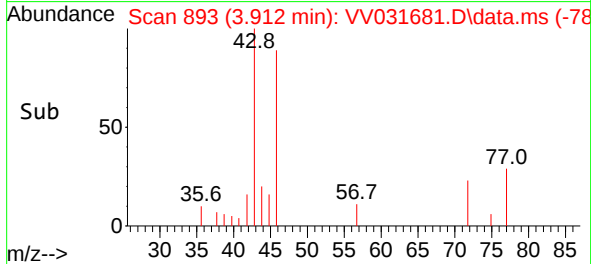
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 43 Resp: 8940
Ion Ratio Lower Upper
43 100
72 2.0 12.7 38.0

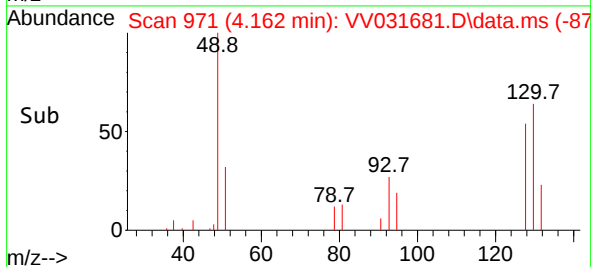
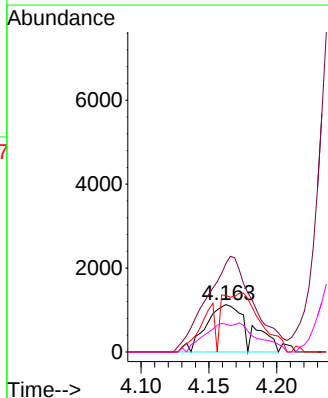
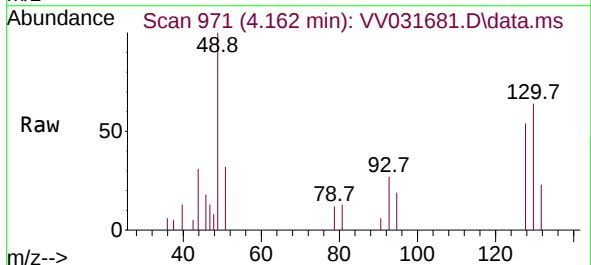
Manual Integrations
APPROVED

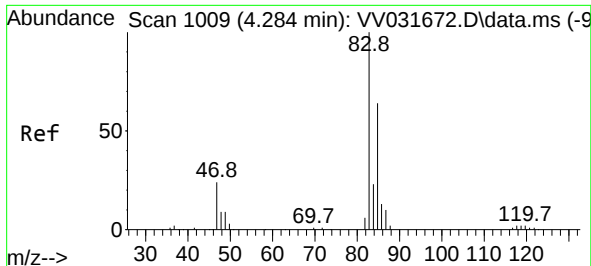
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#23
Bromochloromethane
Concen: 1.906 ug/L m
RT: 4.162 min Scan# 971
Delta R.T. 0.010 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

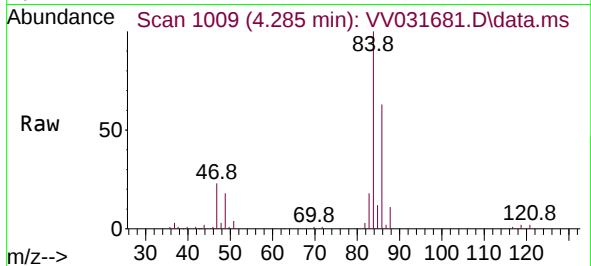
Tgt Ion:128 Resp: 2553
Ion Ratio Lower Upper
128 100
49 186.3 117.9 218.9
130 119.0 89.1 165.5
51 58.8 42.8 64.2





#25
Chloroform
Concen: 2.767 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

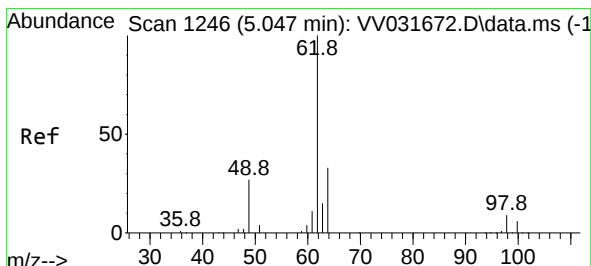
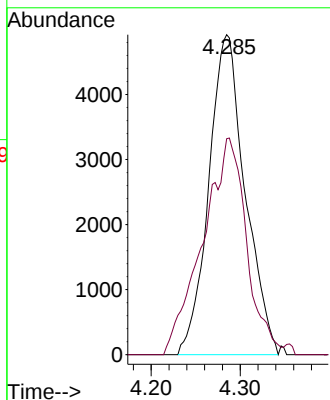
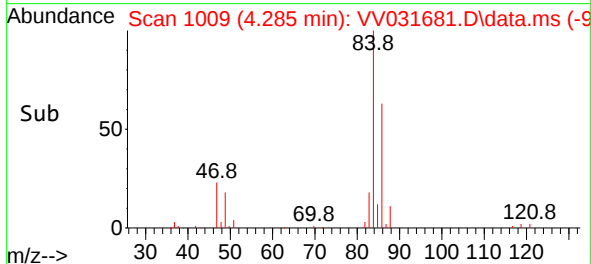
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 83 Resp: 13939
Ion Ratio Lower Upper
83 100
85 67.5 45.1 83.9

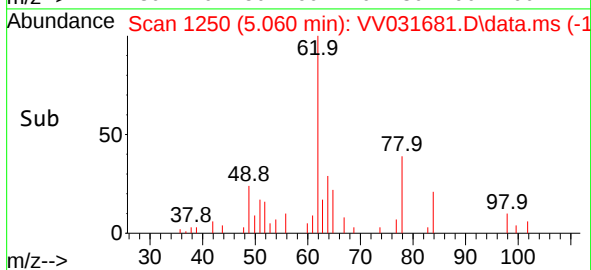
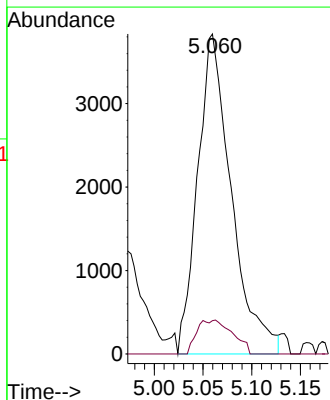
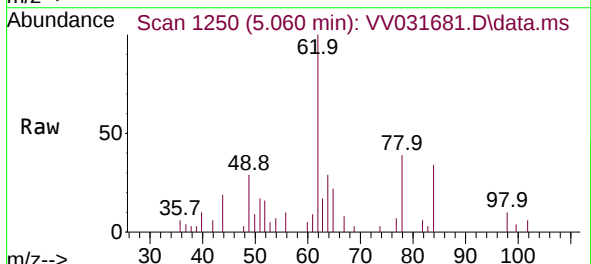
Manual Integrations
APPROVED

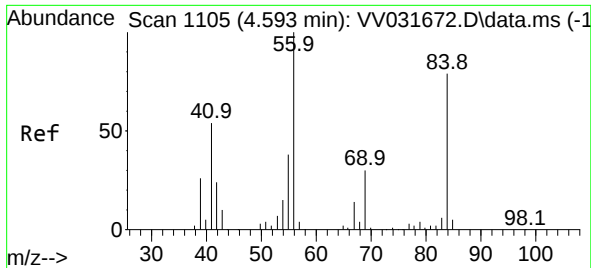
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#27
1,2-Dichloroethane
Concen: 2.466 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.013 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

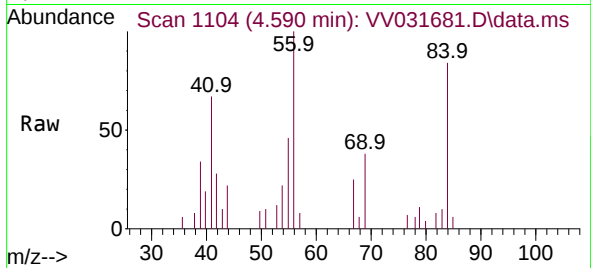
Tgt Ion: 62 Resp: 9227
Ion Ratio Lower Upper
62 100
98 10.4 7.5 11.3





#29
Cyclohexane
Concen: 1.739 ug/L
RT: 4.590 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

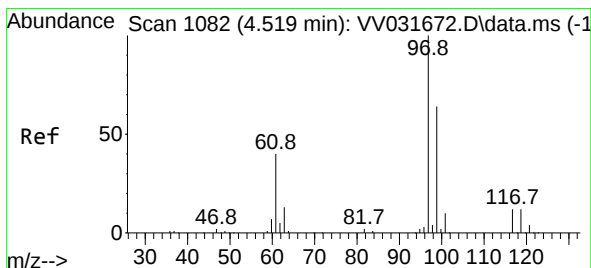
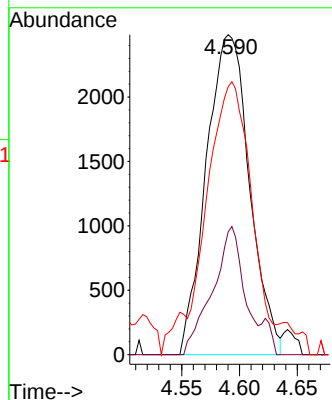
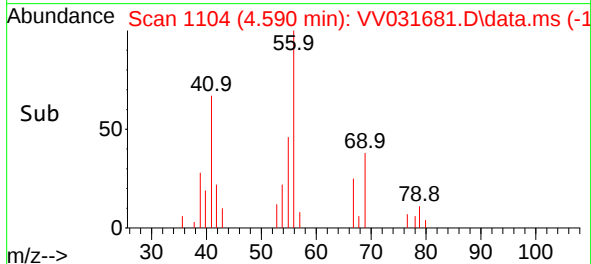
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 56 Resp: 6472
Ion Ratio Lower Upper
56 100
69 29.1 24.1 36.1
84 69.0 63.6 95.4

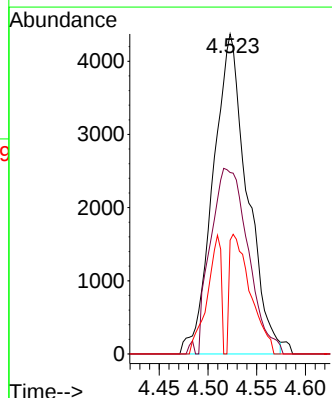
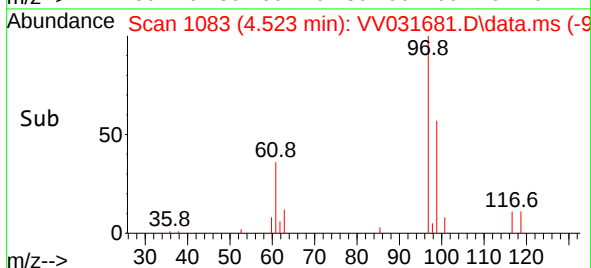
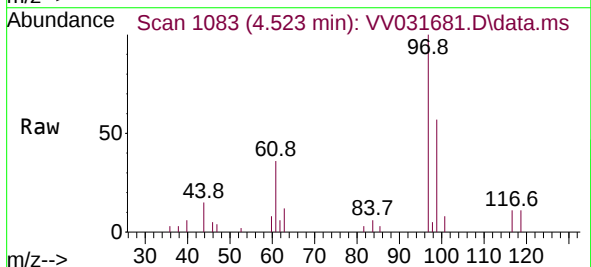
Manual Integrations
APPROVED

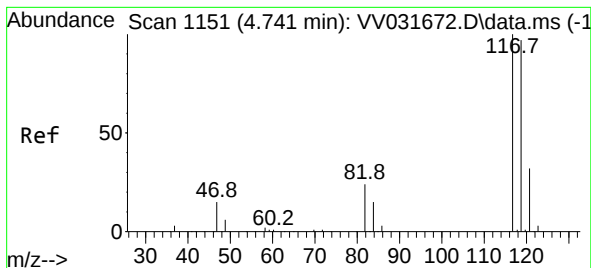
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#30
1,1,1-Trichloroethane
Concen: 2.396 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 97 Resp: 10630
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 23.0 32.2 48.2#





#31

Carbon tetrachloride

Concen: 2.151 ug/L

RT: 4.748 min Scan# 1151

Delta R.T. 0.007 min

Lab File: VV031681.D

Acq: 11 Jul 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion:117 Resp: 845

Ion Ratio Lower Upper

117 100

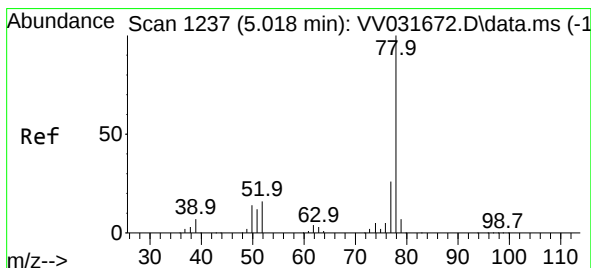
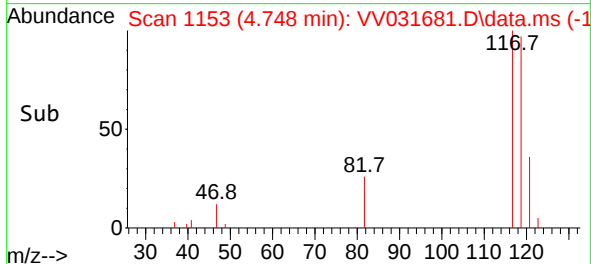
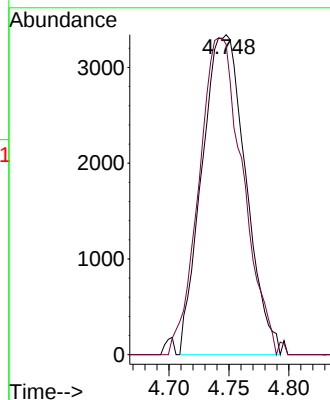
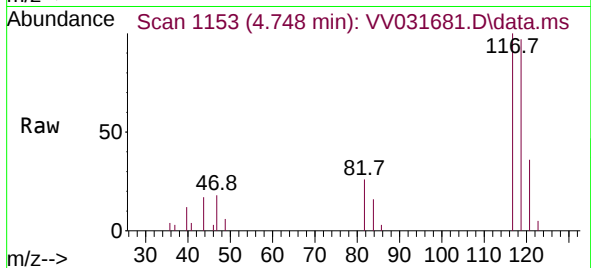
119 99.4 78.0 117.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/12/2023

Supervised By :Mahesh Dadoda 07/12/2023



#33

Benzene

Concen: 2.309 ug/L m

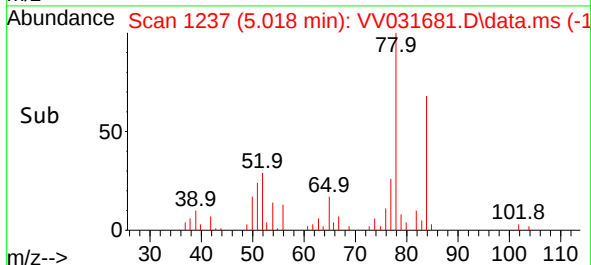
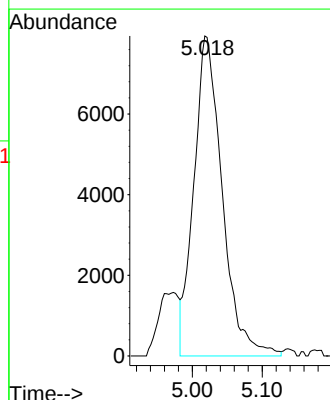
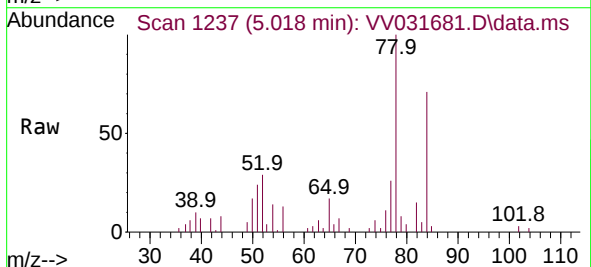
RT: 5.018 min Scan# 1237

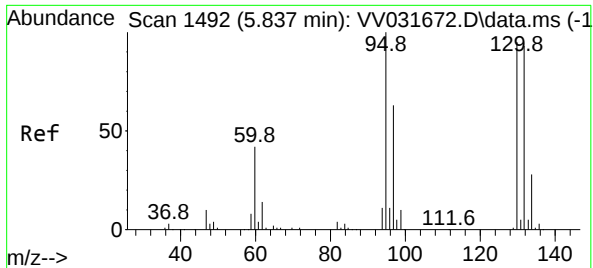
Delta R.T. 0.000 min

Lab File: VV031681.D

Acq: 11 Jul 2023 16:06

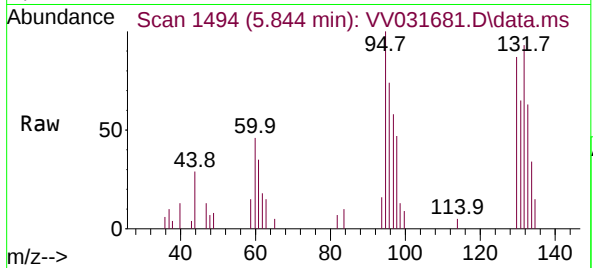
Tgt Ion: 78 Resp: 22362





#34
Trichloroethene
Concen: 2.368 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

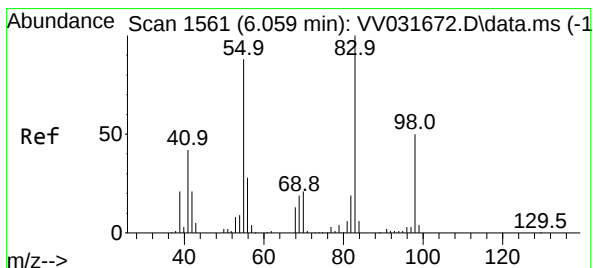
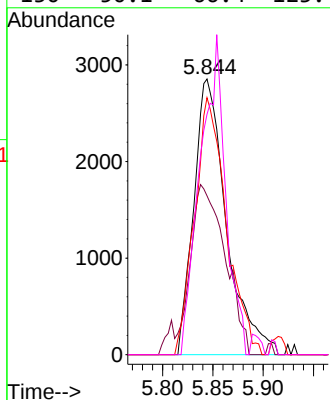
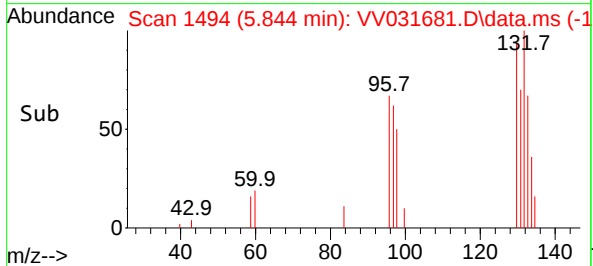
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 95 Resp: 6452
Ion Ratio Lower Upper
95 100
97 60.0 47.0 87.2
132 89.7 64.8 120.4
130 50.1 66.4 123.4#

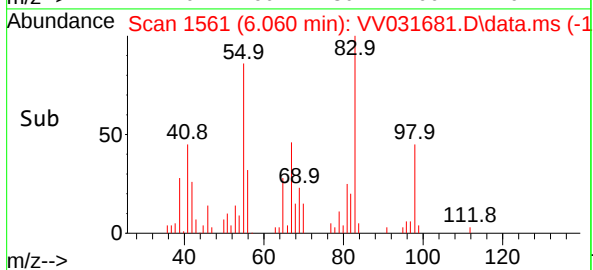
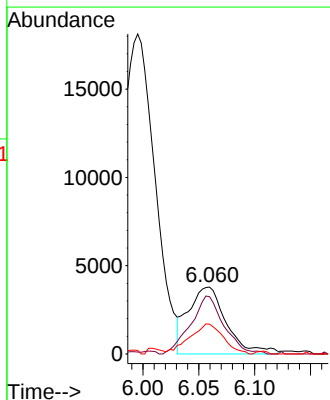
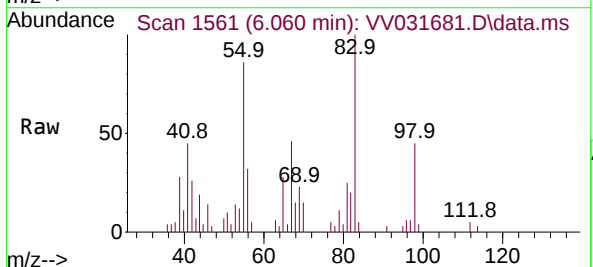
Manual Integrations
APPROVED

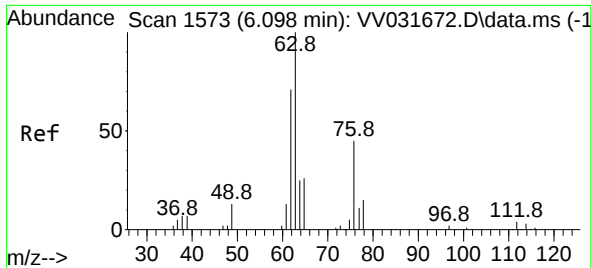
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#35
Methylcyclohexane
Concen: 2.430 ug/L m
RT: 6.060 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 83 Resp: 9011
Ion Ratio Lower Upper
83 100
55 74.0 69.4 104.2
98 39.4 38.2 57.2





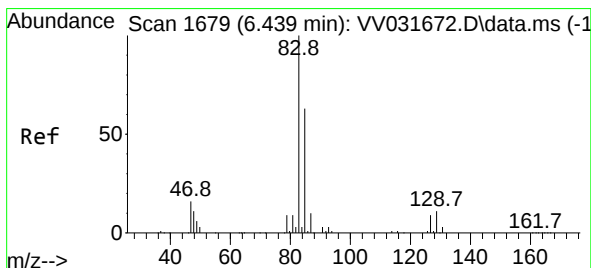
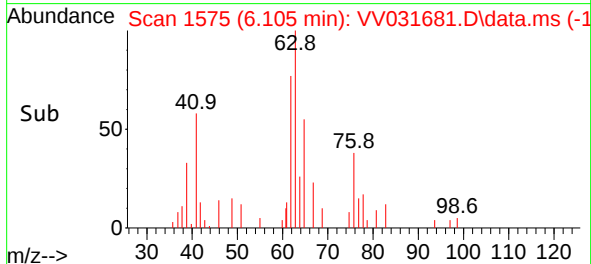
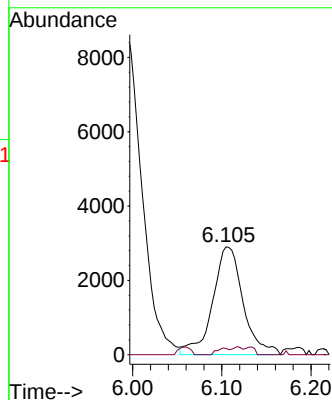
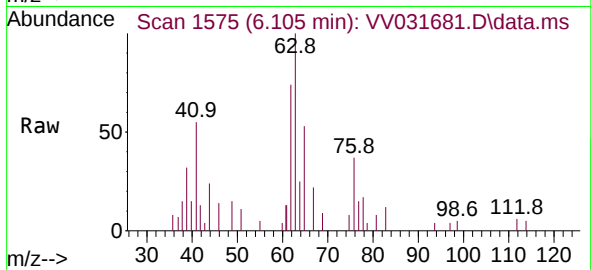
#37
1,2-Dichloropropane
Concen: 2.543 ug/L m
RT: 6.105 min Scan# 1
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 63 Resp: 688
Ion Ratio Lower Upper
63 100
112 1.0 3.7 5.5

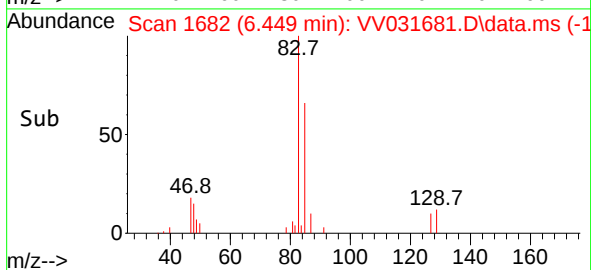
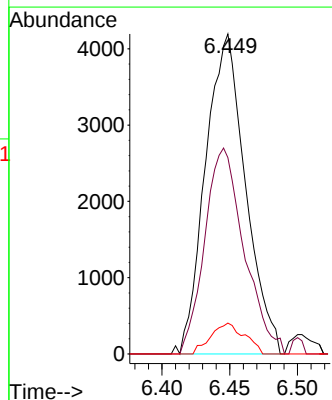
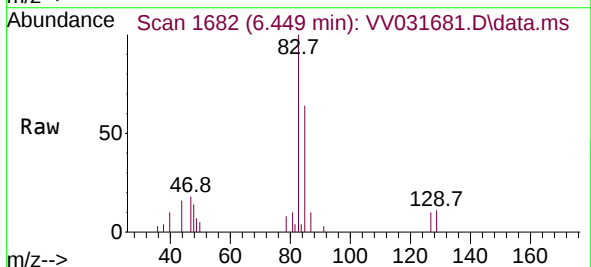
Manual Integrations
APPROVED

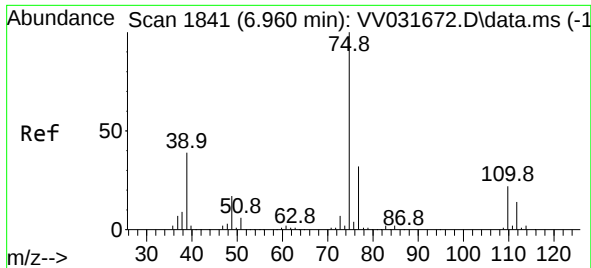
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#38
Bromodichloromethane
Concen: 2.340 ug/L
RT: 6.449 min Scan# 1682
Delta R.T. 0.010 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 83 Resp: 8588
Ion Ratio Lower Upper
83 100
85 61.4 44.2 82.0
127 9.6 7.8 11.6





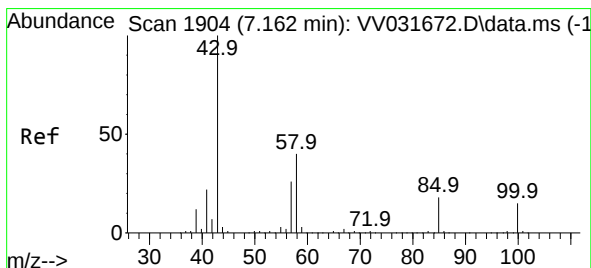
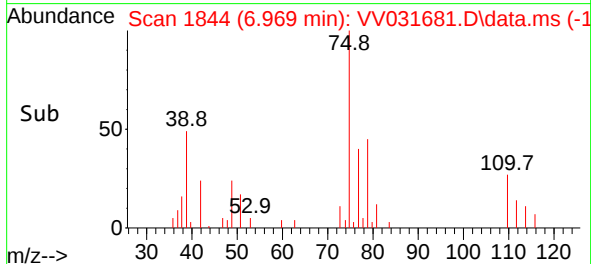
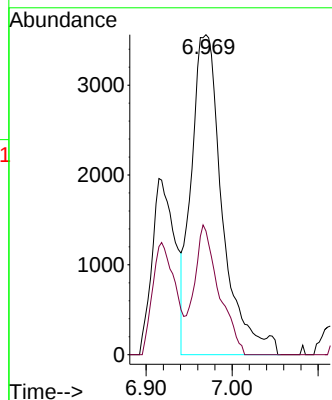
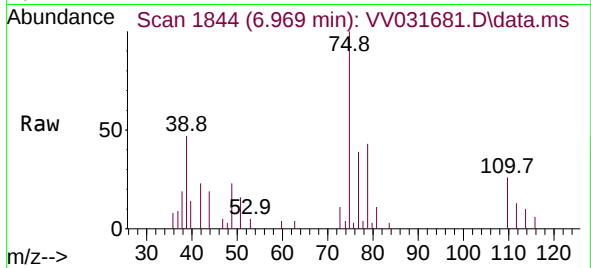
#39
 cis-1,3-Dichloropropene
 Concen: 2.182 ug/L m
 RT: 6.969 min Scan# 1841
 Delta R.T. 0.010 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Tgt Ion: 75 Resp: 893
 Ion Ratio Lower Upper
 75 100
 77 38.7 22.1 41.1

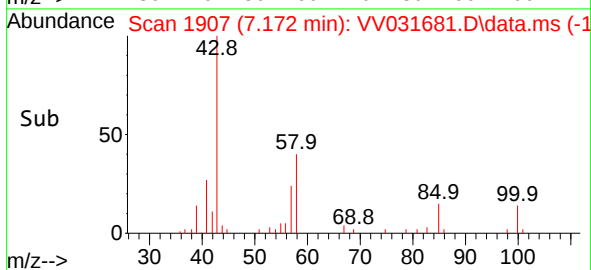
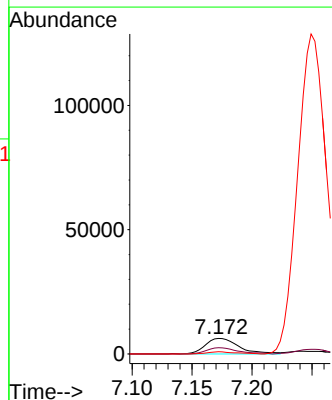
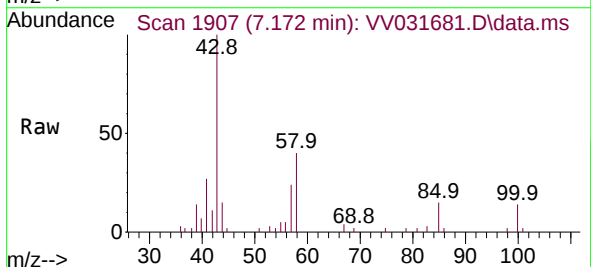
Manual Integrations
 APPROVED

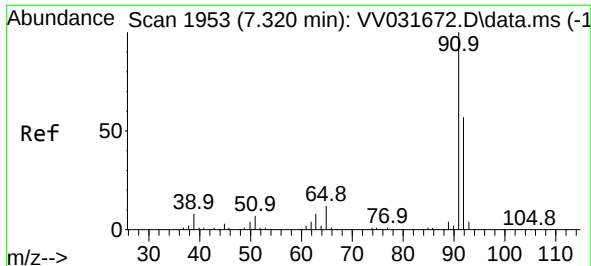
Reviewed By :John Carlone 07/12/2023
 Supervised By :Mahesh Dadoda 07/12/2023



#40
 4-Methyl-2-pentanone
 Concen: 3.631 ug/L
 RT: 7.172 min Scan# 1907
 Delta R.T. 0.010 min
 Lab File: VV031681.D
 Acq: 11 Jul 2023 16:06

Tgt Ion: 43 Resp: 12226
 Ion Ratio Lower Upper
 43 100
 58 37.3 32.1 48.1
 100 12.1 12.1 18.1





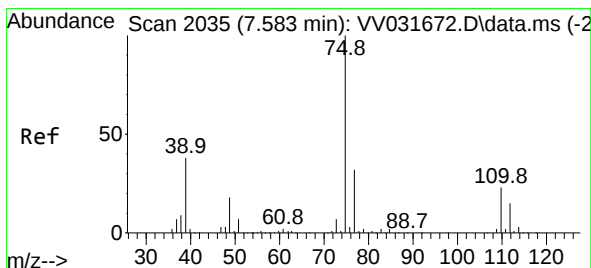
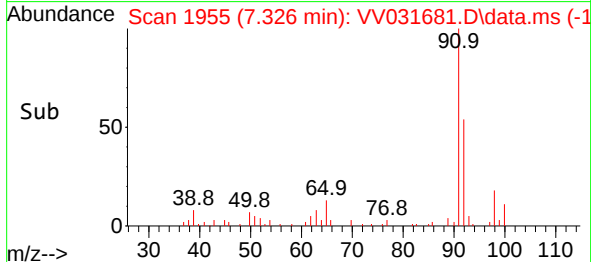
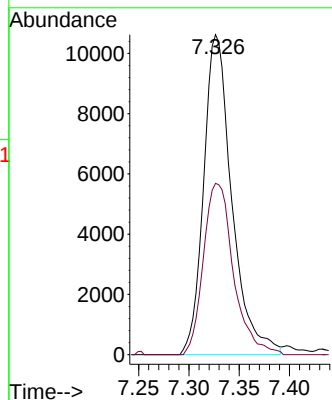
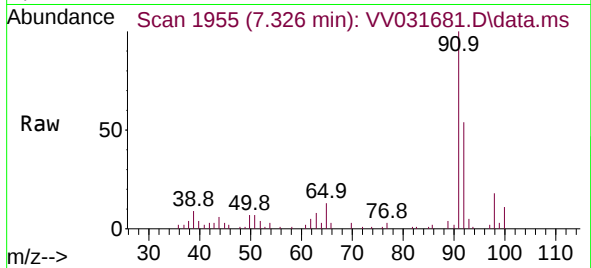
#42
Toluene
Concen: 2.072 ug/L
RT: 7.326 min Scan# 1953
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 91 Resp: 20724
Ion Ratio Lower Upper
91 100
92 53.5 39.8 73.8

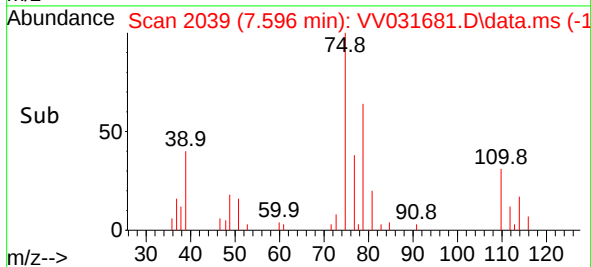
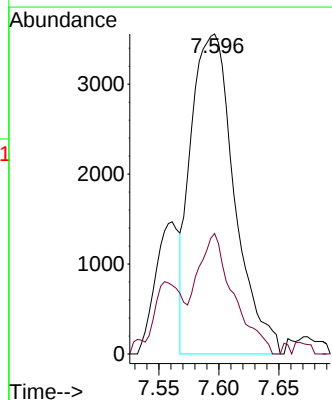
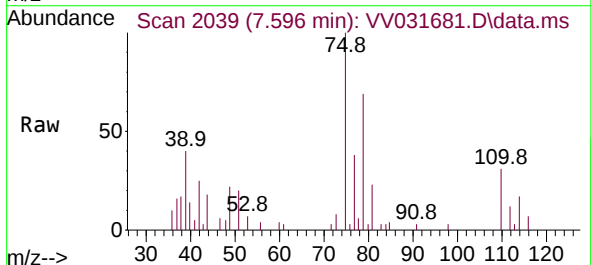
Manual Integrations
APPROVED

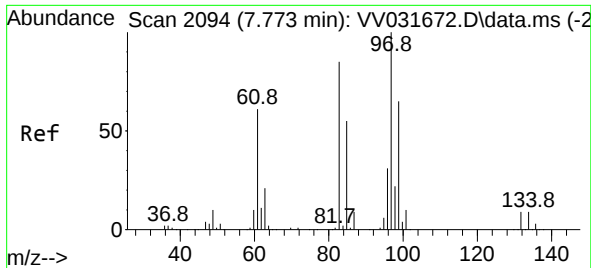
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#44
trans-1,3-Dichloropropene
Concen: 2.194 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.013 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

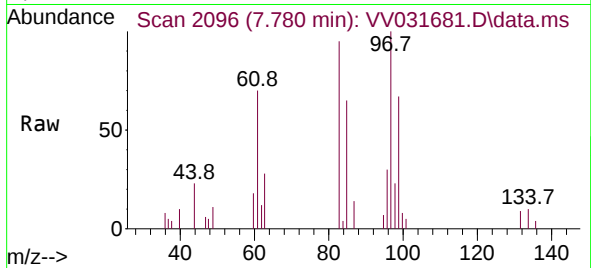
Tgt Ion: 75 Resp: 8961
Ion Ratio Lower Upper
75 100
77 43.4 22.3 41.3#





#45
1,1,2-Trichloroethane
Concen: 2.308 ug/L
RT: 7.780 min Scan# 2094
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

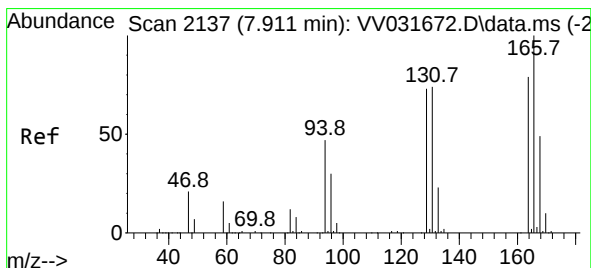
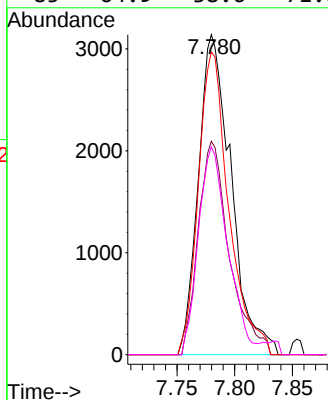
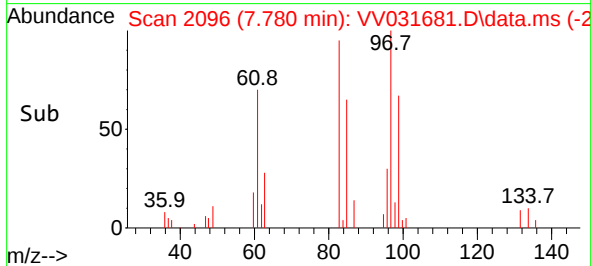
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



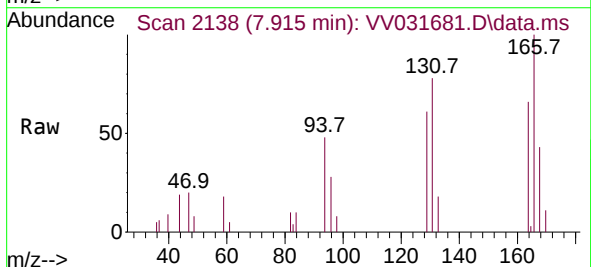
Tgt Ion: 97 Resp: 6185
Ion Ratio Lower Upper
97 100
99 66.7 45.2 84.0
83 94.6 59.5 110.5
85 64.9 38.6 71.8

Manual Integrations
APPROVED

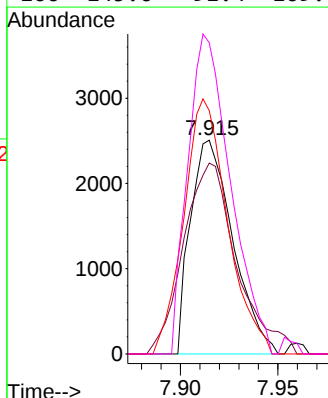
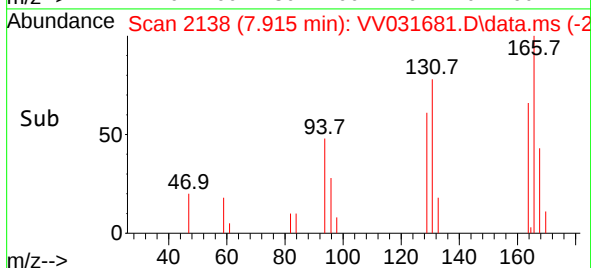
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

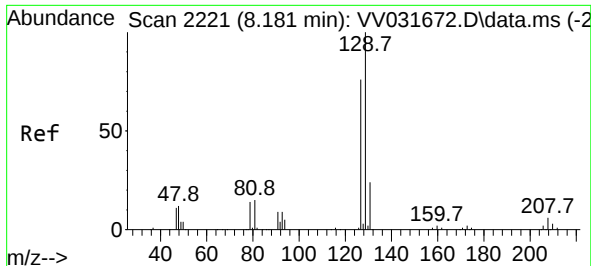


#46
Tetrachloroethene
Concen: 1.831 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



Tgt Ion:164 Resp: 3793
Ion Ratio Lower Upper
164 100
129 89.3 65.2 121.0
131 113.8 67.1 124.7
166 145.6 91.4 169.8





#49

Dibromochloromethane

Concen: 1.713 ug/L

RT: 8.185 min Scan# 2221

Delta R.T. 0.003 min

Lab File: VV031681.D

Acq: 11 Jul 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion:129 Resp: 509

Ion Ratio Lower Upper

129 100

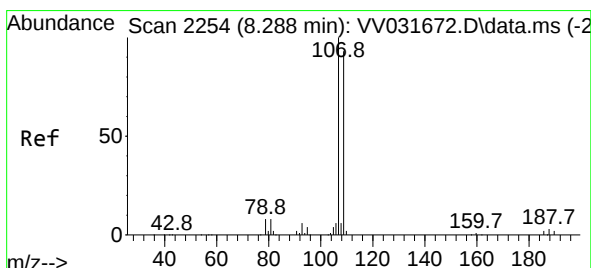
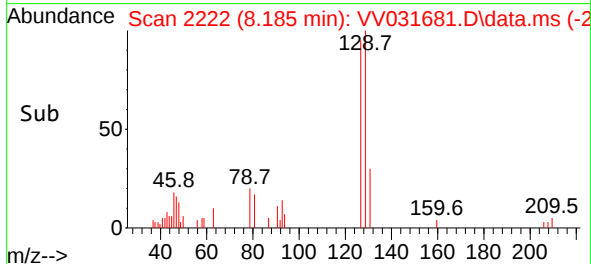
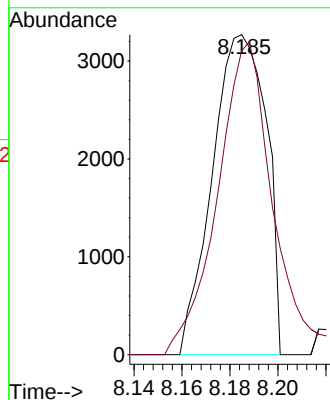
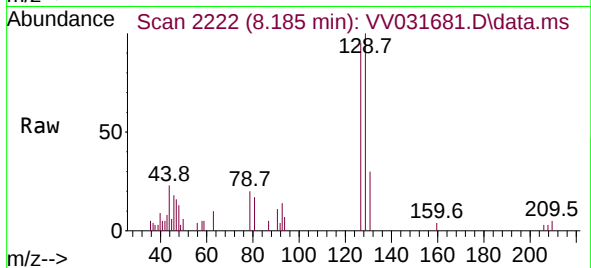
127 95.0 55.2 102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/12/2023

Supervised By :Mahesh Dadoda 07/12/2023



#50

1,2-Dibromoethane

Concen: 2.128 ug/L

RT: 8.291 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VV031681.D

Acq: 11 Jul 2023 16:06

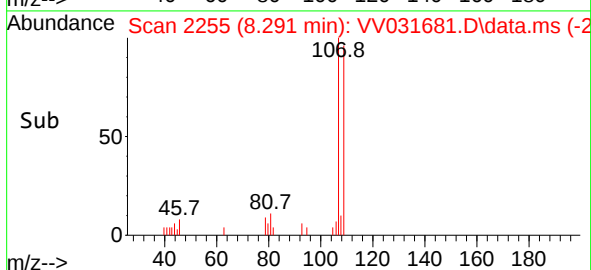
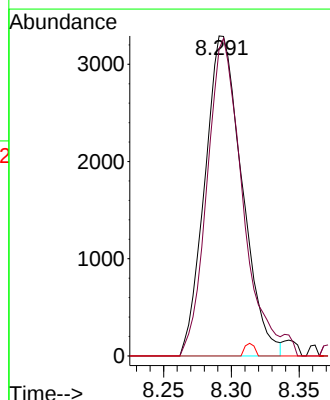
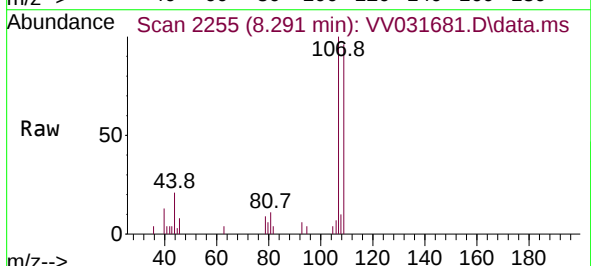
Tgt Ion:107 Resp: 6283

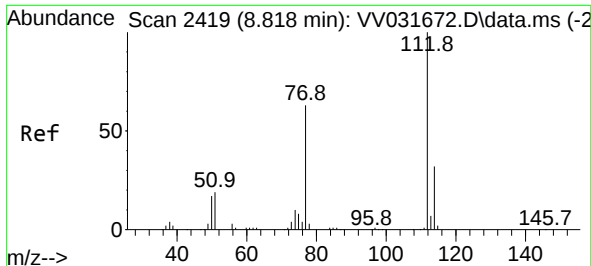
Ion Ratio Lower Upper

107 100

109 87.5 65.4 121.4

188 0.0 2.8 4.2#





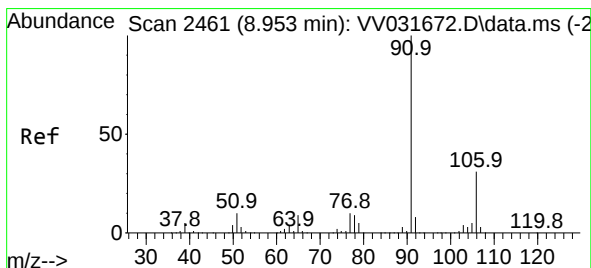
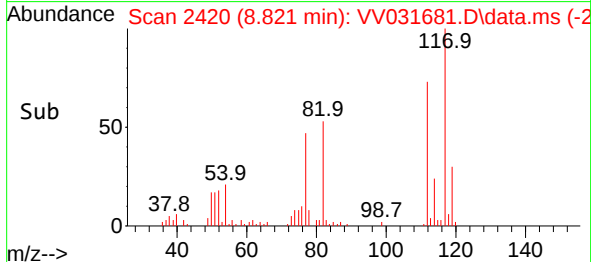
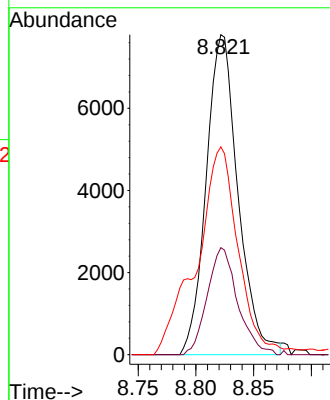
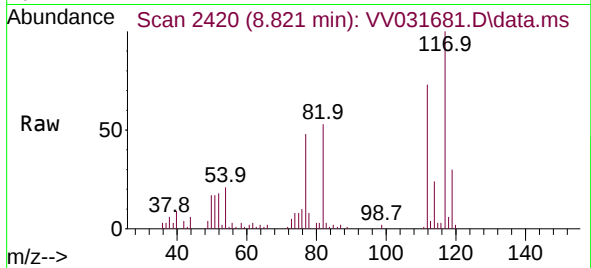
#51
Chlorobenzene
Concen: 2.258 ug/L
RT: 8.821 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 112 Resp: 14964
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 61.8 50.6 76.0

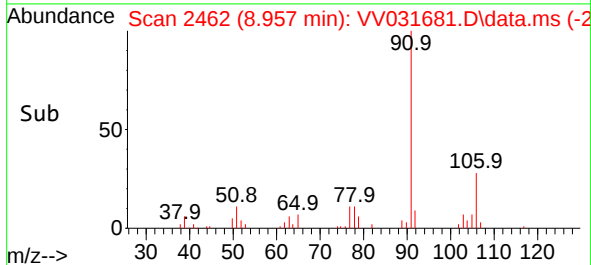
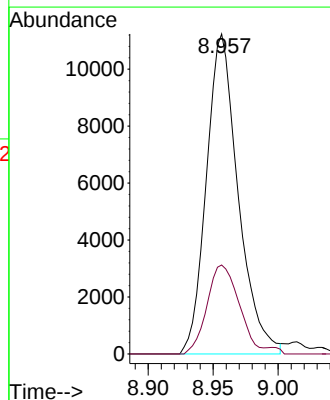
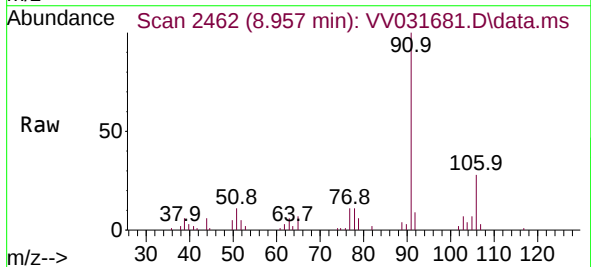
Manual Integrations
APPROVED

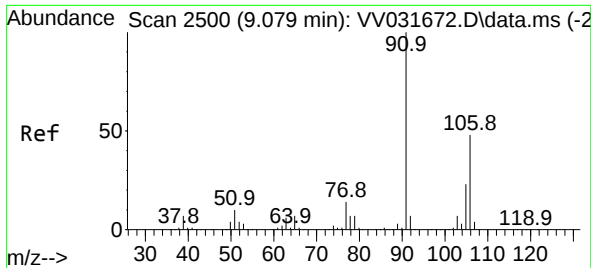
Reviewed By : John Carlone 07/12/2023
Supervised By : Mahesh Dadoda 07/12/2023



#52
Ethylbenzene
Concen: 1.756 ug/L
RT: 8.957 min Scan# 2462
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion: 91 Resp: 19103
Ion Ratio Lower Upper
91 100
106 27.8 21.5 39.9





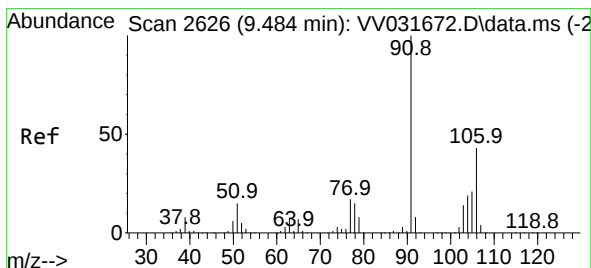
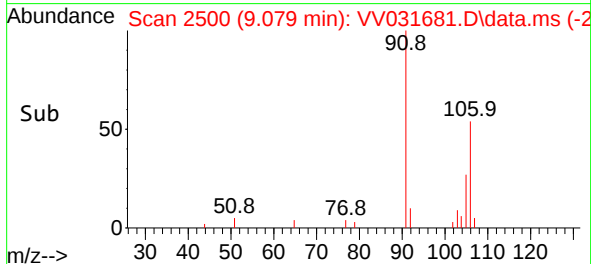
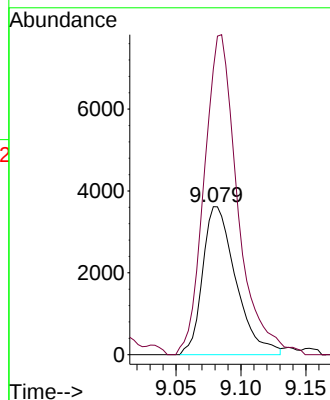
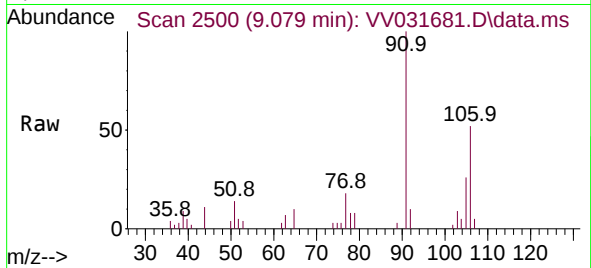
#53
m,p-Xylene
Concen: 1.605 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:106 Resp: 6430
Ion Ratio Lower Upper
106 100
91 193.0 145.6 270.4

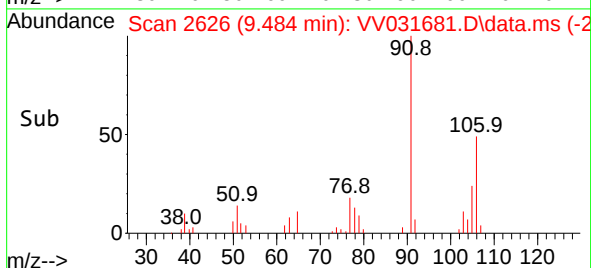
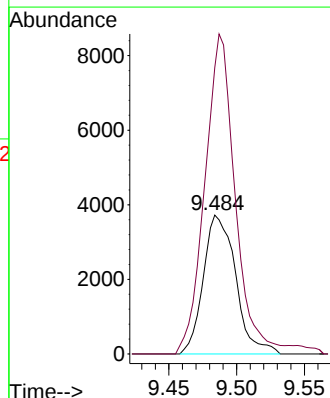
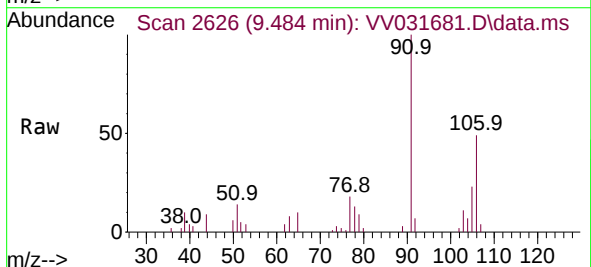
Manual Integrations
APPROVED

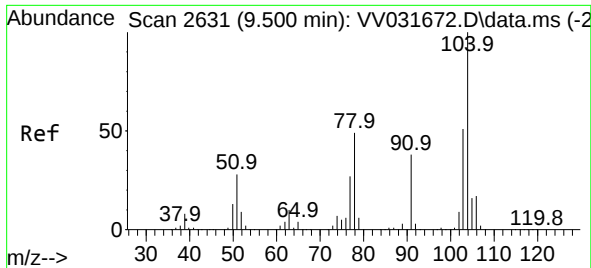
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#54
o-Xylene
Concen: 1.664 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Tgt Ion:106 Resp: 6182
Ion Ratio Lower Upper
106 100
91 206.1 163.0 302.6





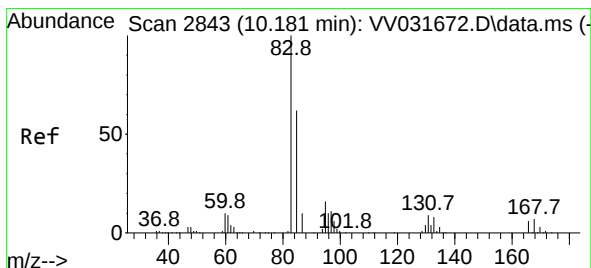
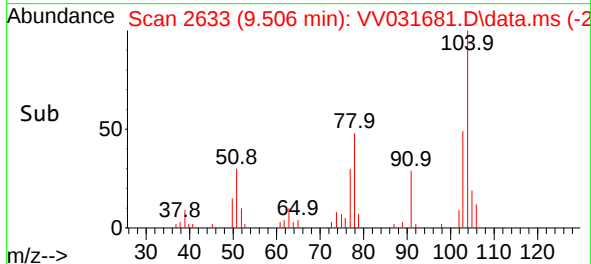
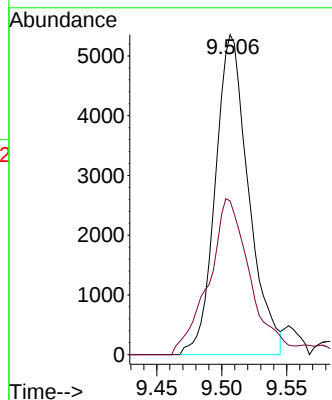
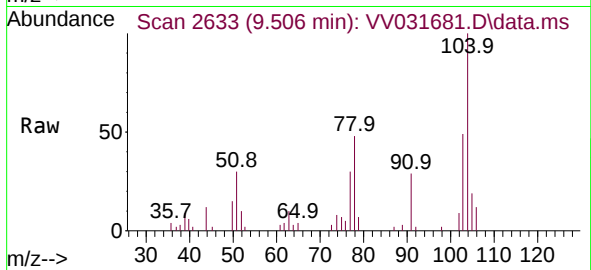
#55
Styrene
Concen: 1.394 ug/L
RT: 9.506 min Scan# 2631
Delta R.T. 0.007 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:104 Resp: 953
Ion Ratio Lower Upper
104 100
78 48.0 34.4 64.0

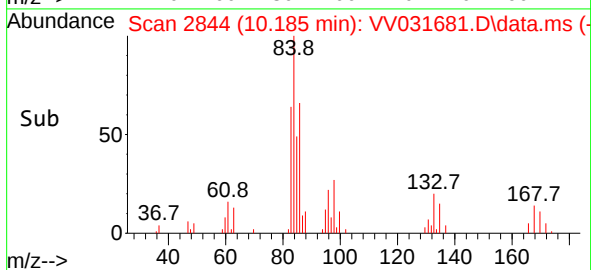
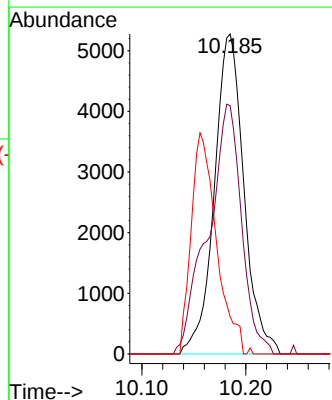
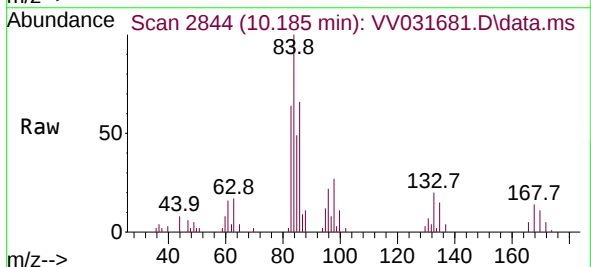
Manual Integrations
APPROVED

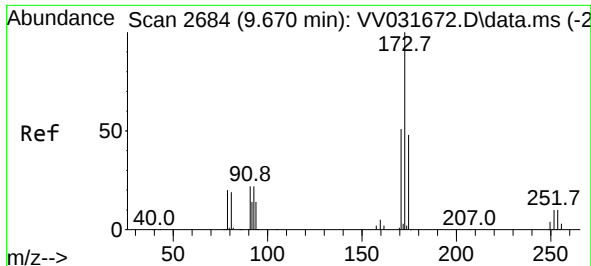
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.506 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

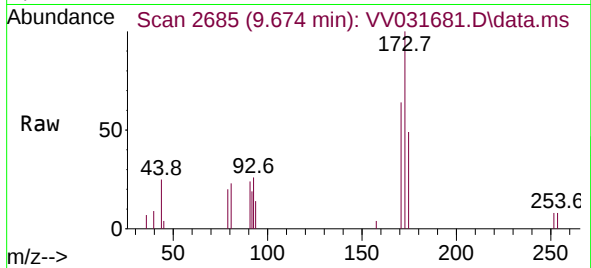
Tgt Ion: 83 Resp: 10428
Ion Ratio Lower Upper
83 100
85 77.6 43.4 80.6
131 11.7 10.9 16.3





#59
Bromoform
Concen: 2.012 ug/L
RT: 9.674 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

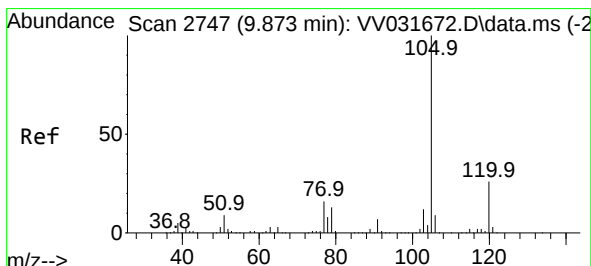
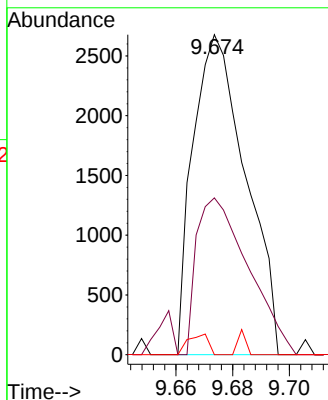
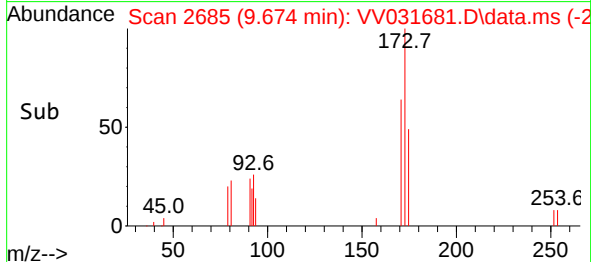
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



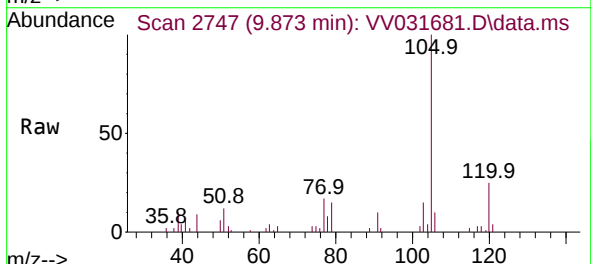
Tgt Ion:173 Resp: 3452
Ion Ratio Lower Upper
173 100
175 48.2 38.6 58.0
254 2.5 6.9 10.3

Manual Integrations
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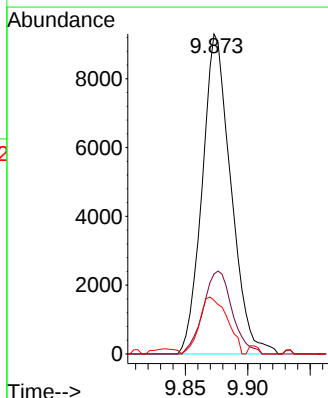
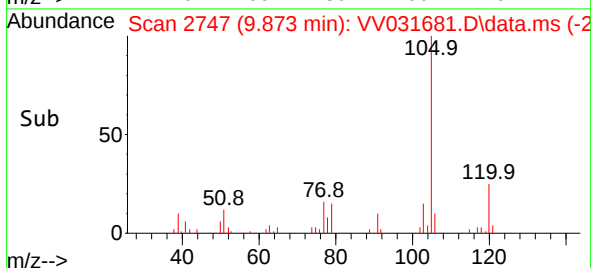
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

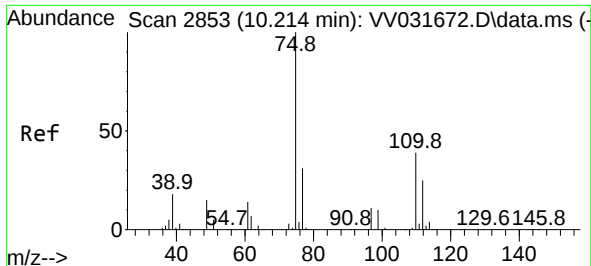


#60
Isopropylbenzene
Concen: 1.815 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



Tgt Ion:105 Resp: 14876
Ion Ratio Lower Upper
105 100
120 26.2 20.6 30.8
77 17.3 13.2 19.8





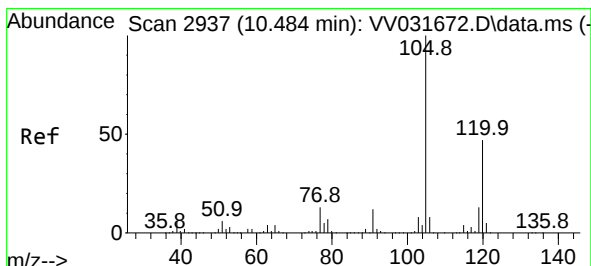
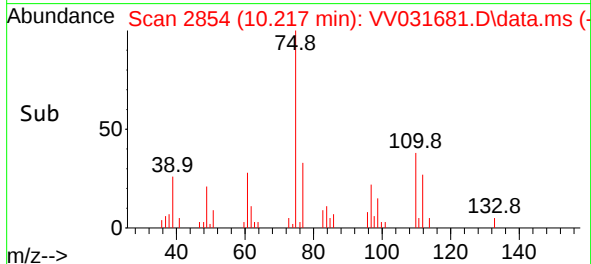
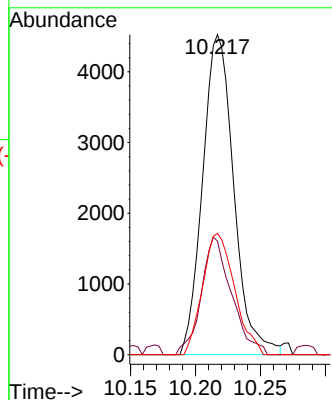
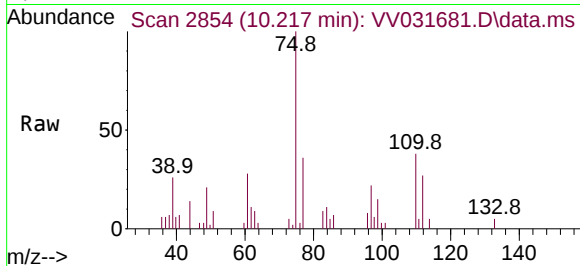
#61
1,2,3-Trichloropropane
Concen: 2.707 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 75 Resp: 7560
Ion Ratio Lower Upper
75 100
77 35.6 25.1 37.7
110 38.8 31.4 47.0

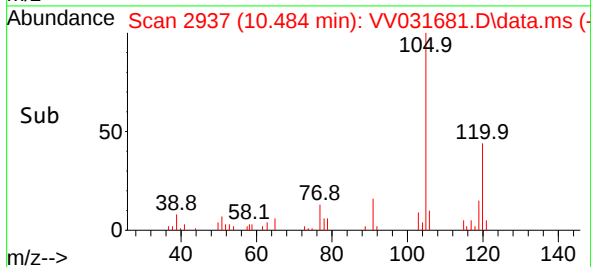
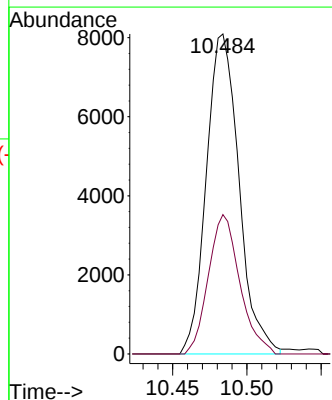
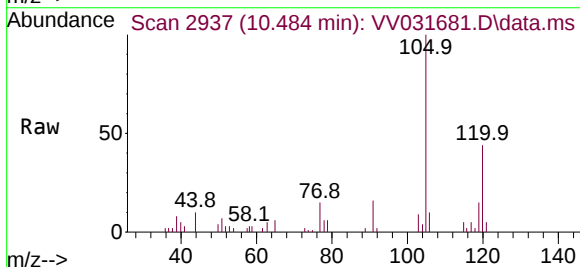
Manual Integrations
APPROVED

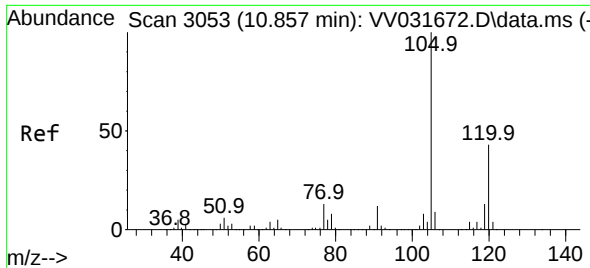
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023



#62
1,3,5-Trimethylbenzene
Concen: 1.846 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

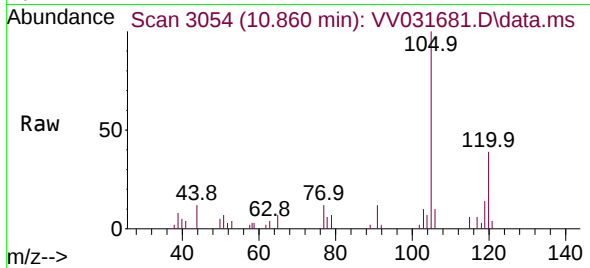
Tgt Ion:105 Resp: 12367
Ion Ratio Lower Upper
105 100
120 42.0 37.4 56.0





#63
1,2,4-Trimethylbenzene
Concen: 1.773 ug/L
RT: 10.860 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

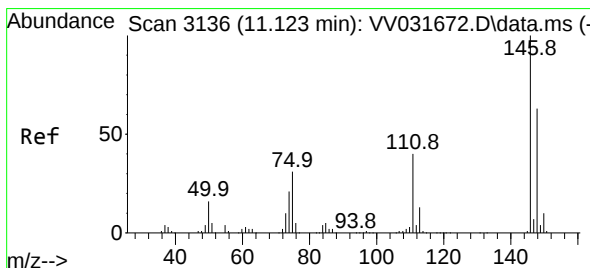
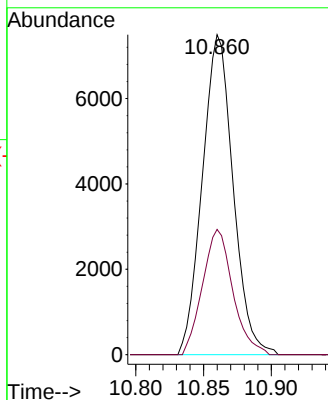
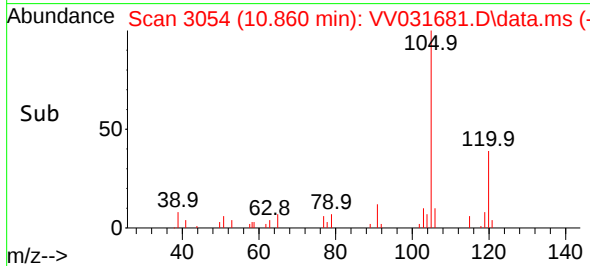
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



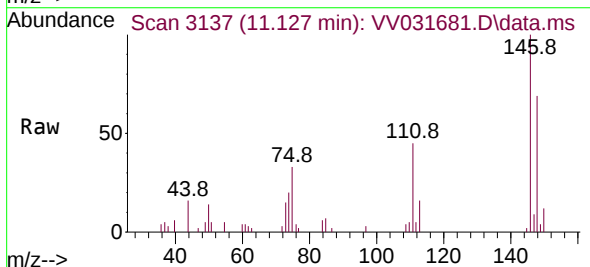
Tgt Ion:105 Resp: 1182
Ion Ratio Lower Upper
105 100
120 38.6 34.7 52.1

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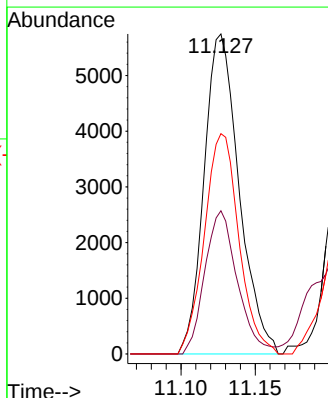
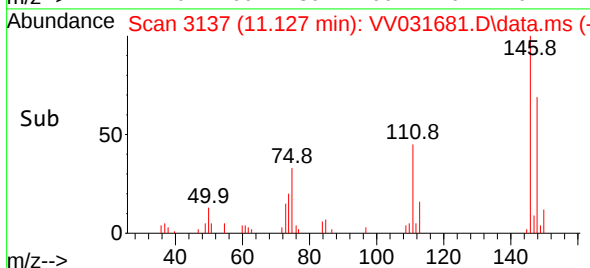
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

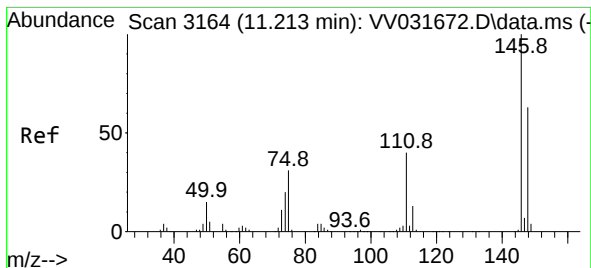


#64
1,3-Dichlorobenzene
Concen: 2.211 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



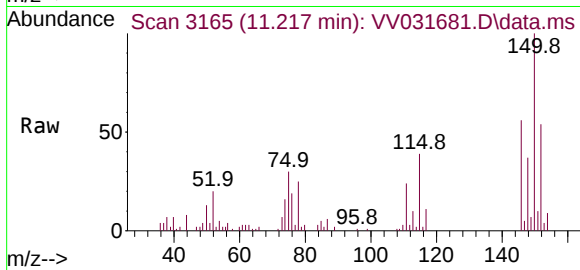
Tgt Ion:146 Resp: 9416
Ion Ratio Lower Upper
146 100
111 49.4 28.3 52.5
148 68.9 44.2 82.2





#65
1,4-Dichlorobenzene
Concen: 2.306 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

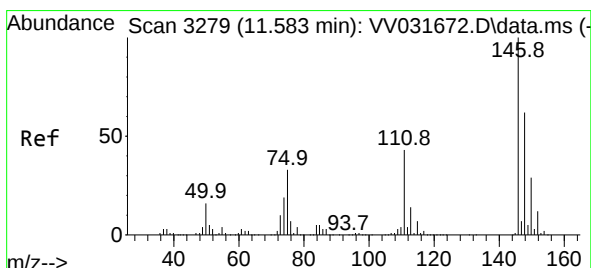
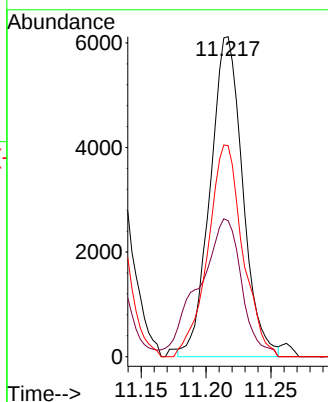
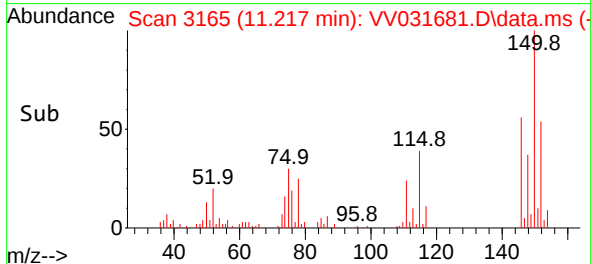
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



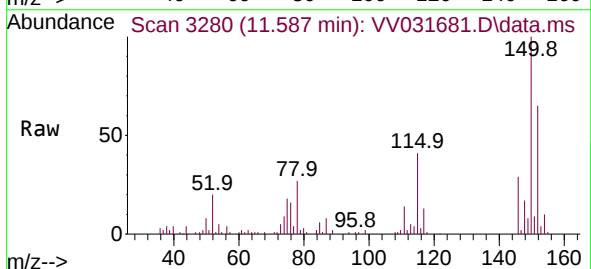
Tgt Ion:146 Resp: 1065
Ion Ratio Lower Upper
146 100
111 42.5 28.3 52.7
148 66.0 44.1 81.9

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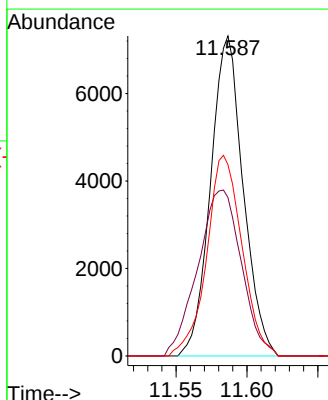
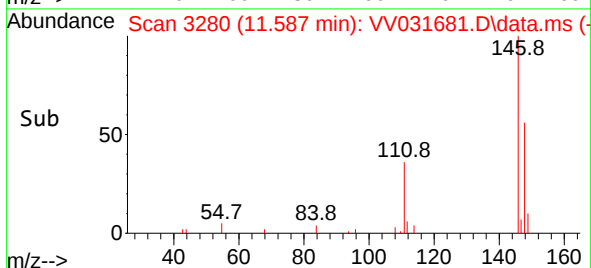
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

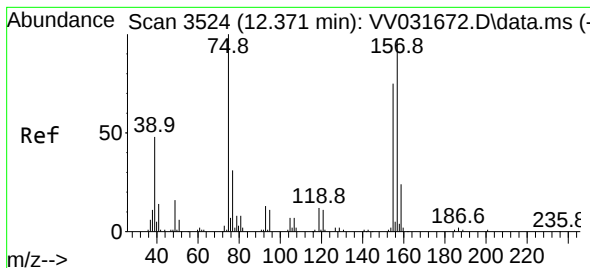


#67
1,2-Dichlorobenzene
Concen: 2.683 ug/L
RT: 11.587 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



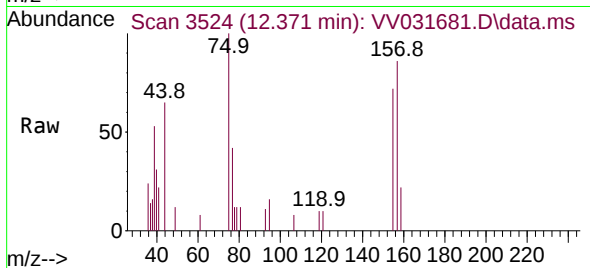
Tgt Ion:146 Resp: 11716
Ion Ratio Lower Upper
146 100
111 51.7 34.8 52.2
148 56.0 49.8 74.6





#68
1,2-Dibromo-3-chloropropane
Concen: 2.859 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

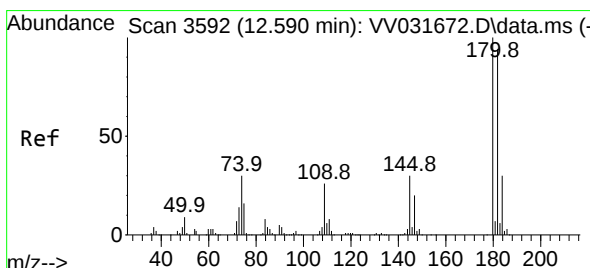
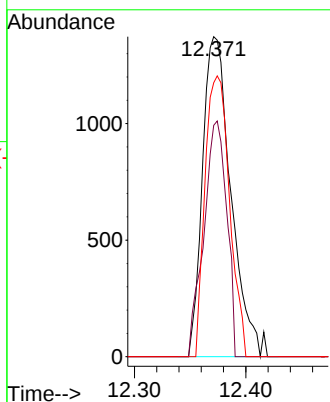
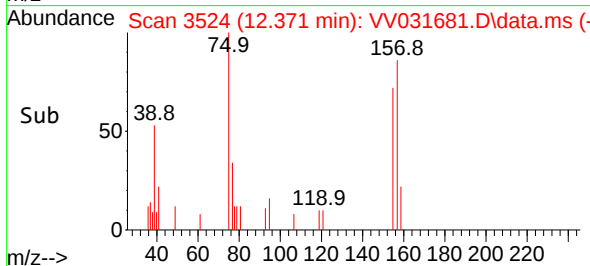
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



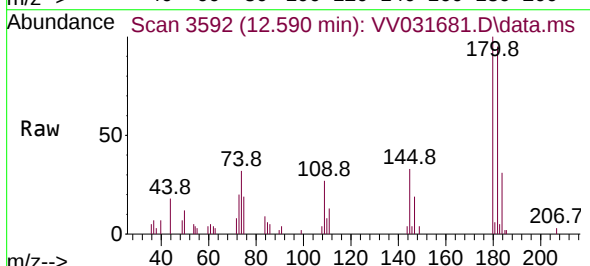
Tgt Ion: 75 Resp: 2430
Ion Ratio Lower Upper
75 100
155 72.3 59.9 89.9
157 85.6 77.6 116.4

Manual Integrations
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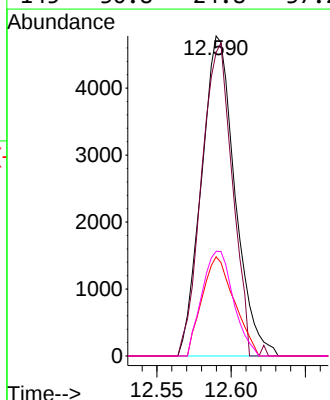
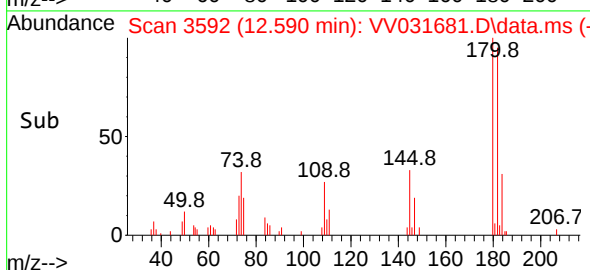
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

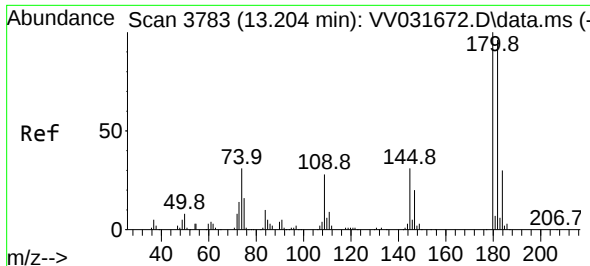


#69
1,3,5-Trichlorobenzene
Concen: 2.344 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



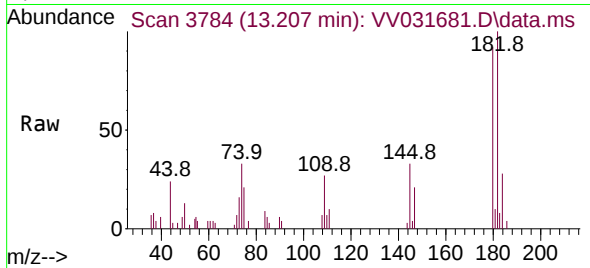
Tgt Ion:180 Resp: 7476
Ion Ratio Lower Upper
180 100
182 89.5 75.5 113.3
184 29.7 23.7 35.5
145 30.8 24.8 37.2





#70
1,2,4-trichlorobenzene
Concen: 2.273 ug/L
RT: 13.207 min Scan# 3783
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

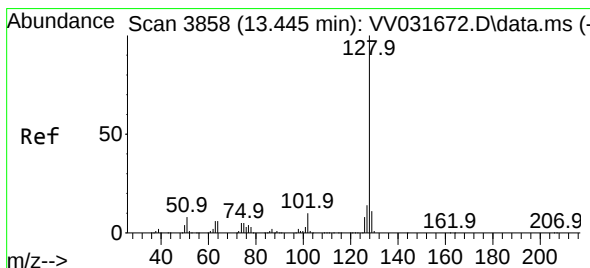
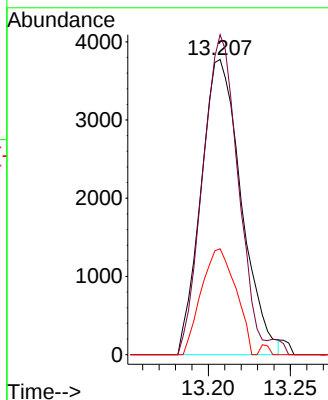
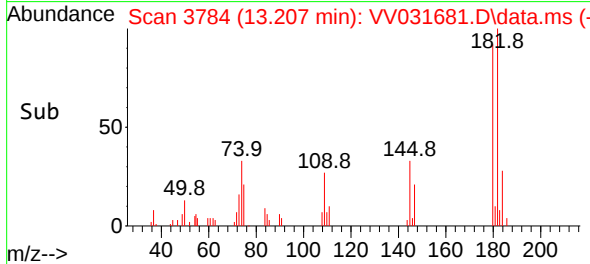
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



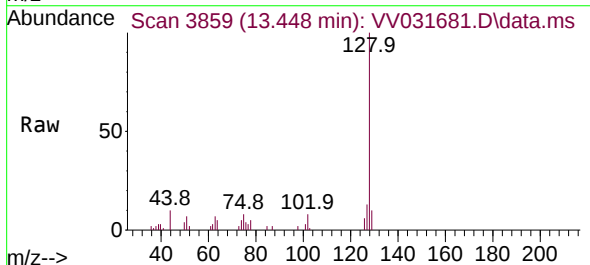
Tgt Ion:180 Resp: 6429
Ion Ratio Lower Upper
180 100
182 95.1 76.6 114.8
145 30.7 25.4 38.2

Manual Integrations
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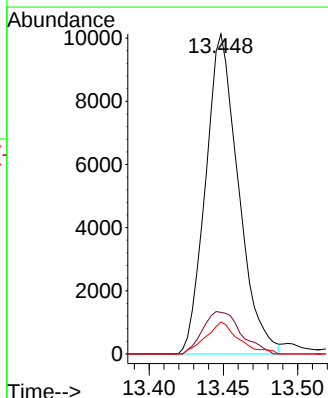
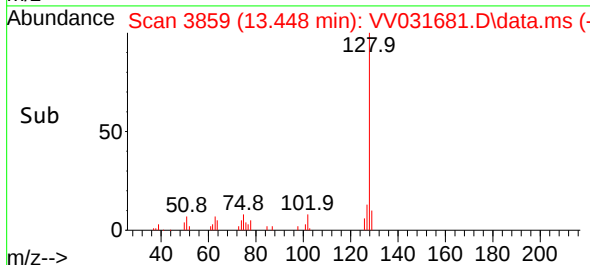
Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

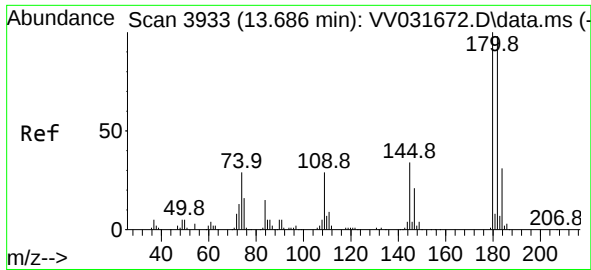


#71
Naphthalene
Concen: 1.900 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06



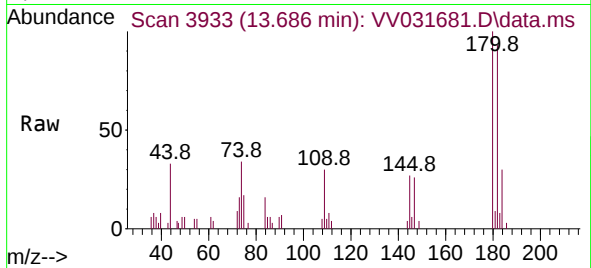
Tgt Ion:128 Resp: 15544
Ion Ratio Lower Upper
128 100
127 15.4 11.0 16.4
129 10.0 8.6 13.0





#72
1,2,3-Trichlorobenzene
Concen: 2.214 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031681.D
Acq: 11 Jul 2023 16:06

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:180 Resp: 6562
Ion Ratio Lower Upper
180 100
182 88.6 76.7 115.1
145 28.1 27.7 41.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/12/2023
Supervised By :Mahesh Dadoda 07/12/2023

