

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027020.D
 Acq On : 14 Feb 2022 18:00
 Operator : JC/MD
 Sample : N1331-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2022-01

Quant Time: Feb 15 05:50:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 05:10:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	132689	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124551	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	60871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	50076	42.517	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.040%		
7) Chloroethane-d5	1.672	69	37715	49.905	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.820%		
11) 1,1-Dichloroethene-d2	2.313	63	80100	35.468	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.940%		
21) 2-Butanone-d5	4.459	46	84735	103.573	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.570%		
24) Chloroform-d	5.062	84	100696	45.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.060%		
26) 1,2-Dichloroethane-d4	5.958	65	67429	47.039	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.080%		
32) Benzene-d6	5.977	84	209025	46.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
36) 1,2-Dichloropropane-d6	7.312	67	64078	48.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.160%		
41) Toluene-d8	8.653	98	188167	45.836	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.680%		
43) trans-1,3-Dichloroprop...	8.952	79	25858	42.552	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.100%		
47) 2-Hexanone-d5	9.384	63	59862	103.891	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.890%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	78823	50.043	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.080%		
66) 1,2-Dichlorobenzene-d4	12.323	152	68470	49.519	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	2876	2.019	ug/L	96
3) Chloromethane	1.294	50	2263	2.019	ug/L	97
5) Vinyl chloride	1.374	62	2373	2.106	ug/L #	60
6) Bromomethane	1.618	94	1392	2.904	ug/L	95
8) Chloroethane	1.691	64	1226	2.013	ug/L	88
9) Trichlorofluoromethane	1.892	101	2877	1.835	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2720	2.691	ug/L #	77
12) 1,1-Dichloroethene	2.325	96	2443	2.631	ug/L #	1
13) Acetone	2.386	43	2525	3.667	ug/L	100
14) Carbon disulfide	2.514	76	4817	1.751	ug/L	98
15) Methyl Acetate	2.709	43	2292	2.155	ug/L	100
16) Methylene chloride	2.794	84	2103	2.068	ug/L	93
17) trans-1,2-Dichloroethene	3.099	96	1819	1.852	ug/L	94
18) Methyl tert-butyl Ether	3.117	73	5736	1.903	ug/L	98
19) 1,1-Dichloroethane	3.617	63	3388	1.934	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2141	1.986	ug/L	98
22) 2-Butanone	4.568	43	3343	3.791	ug/L #	68
23) Bromochloromethane	4.910	128	982	1.784	ug/L	80
25) Chloroform	5.099	83	5114	2.729	ug/L	92

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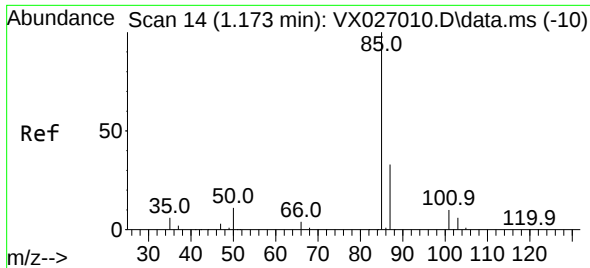
Quant Time: Feb 15 05:50:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
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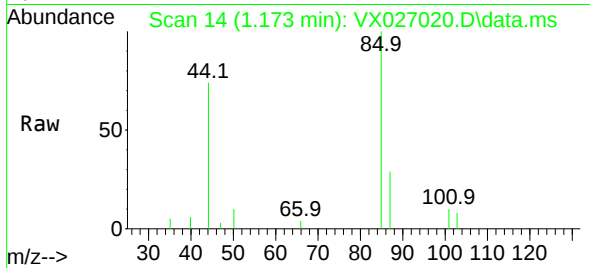
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	2895	1.997	ug/L	96
29) Cyclohexane	5.477	56	3264m	1.911	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	2763	1.705	ug/L	98
31) Carbon tetrachloride	5.684	117	2493	1.734	ug/L #	46
33) Benzene	6.044	78	7635	1.897	ug/L	100
34) Trichloroethene	7.135	95	2217	1.926	ug/L	96
35) Methylcyclohexane	7.385	83	3228	1.855	ug/L	95
37) 1,2-Dichloropropane	7.434	63	1947	1.924	ug/L #	85
38) Bromodichloromethane	7.824	83	2294	1.688	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	2506	1.652	ug/L	86
40) 4-Methyl-2-pentanone	8.574	43	5535	3.847	ug/L	98
42) Toluene	8.720	91	11014	2.549	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	3810	2.672	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	1958	1.978	ug/L	97
46) Tetrachloroethene	9.275	164	1502	1.762	ug/L	91
48) 2-Hexanone	9.433	43	5362	4.603	ug/L	95
49) Dibromochloromethane	9.525	129	1882	1.734	ug/L	96
50) 1,2-Dibromoethane	9.610	107	1954	1.881	ug/L #	92
51) Chlorobenzene	10.079	112	5324	1.924	ug/L	98
52) Ethylbenzene	10.195	91	8690	1.870	ug/L	100
53) m,p-Xylene	10.305	106	3487	1.903	ug/L	100
54) o-Xylene	10.640	106	3262	1.861	ug/L	100
55) Styrene	10.659	104	5423	1.827	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	2929	2.235	ug/L	96
59) Bromoform	10.799	173	1111	1.591	ug/L #	88
60) Isopropylbenzene	10.963	105	8342	1.897	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	2355	2.040	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	5376	1.772	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	6890	1.870	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	3880	1.983	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	3880	1.971	ug/L	91
67) 1,2-Dichlorobenzene	12.335	146	3773	1.995	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.945	75	464m	1.655	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2649	1.970	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	2111	1.779	ug/L	95
71) Naphthalene	13.780	128	6561	1.660	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2271	1.914	ug/L	95

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



#2
Dichlorodifluoromethane
Concen: 2.019 ug/L
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

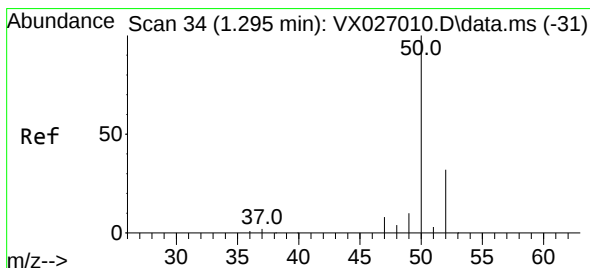
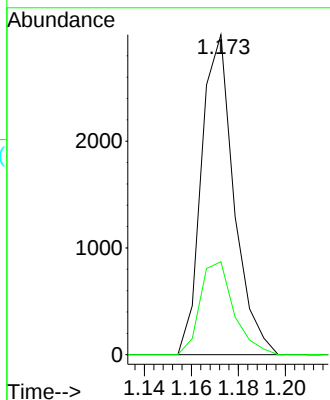
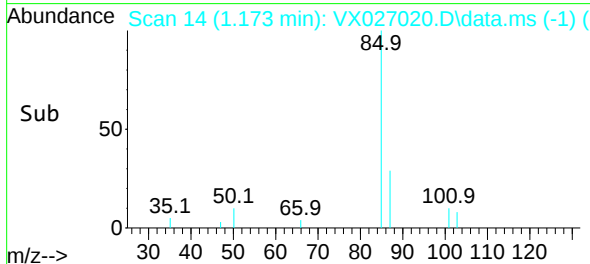
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



Tgt Ion: 85 Resp: 2870
Ion Ratio Lower Upper
85 100
87 30.1 25.9 38.9

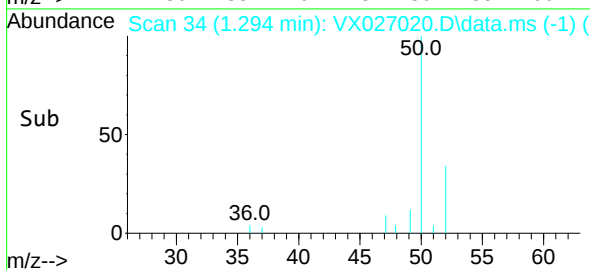
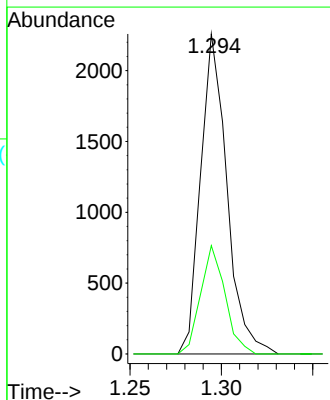
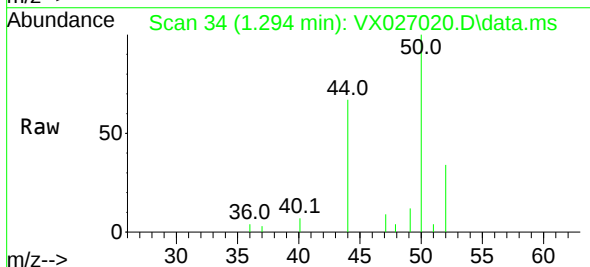
Manual Integrations
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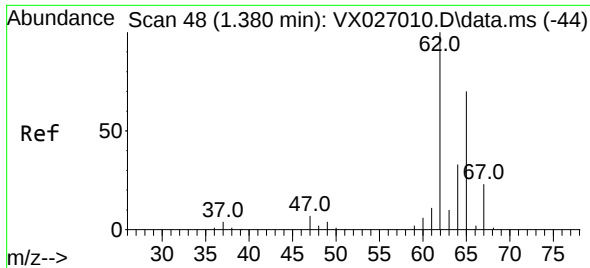
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#3
Chloromethane
Concen: 2.019 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

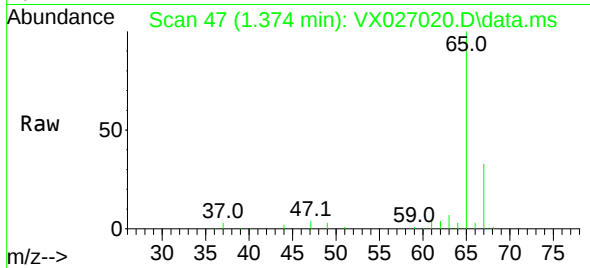
Tgt Ion: 50 Resp: 2263
Ion Ratio Lower Upper
50 100
52 33.9 22.5 41.7





#5
 Vinyl chloride
 Concen: 2.106 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX027020.D
 Acq: 14 Feb 2022 18:00

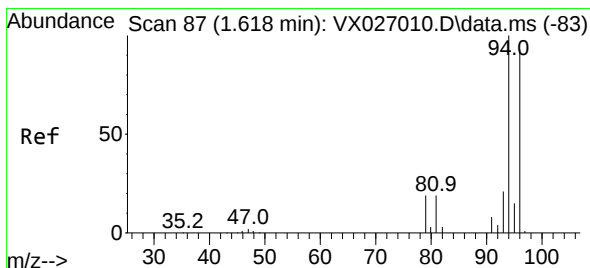
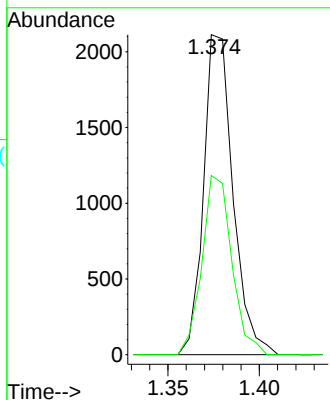
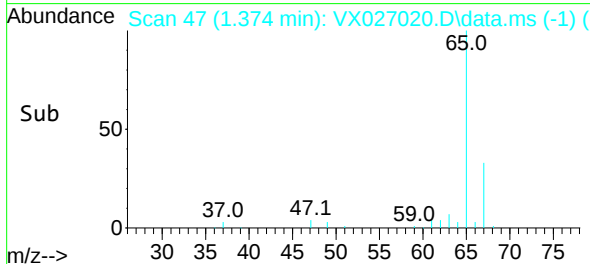
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2022-01



Tgt Ion: 62 Resp: 237
 Ion Ratio Lower Upper
 62 100
 64 56.0 23.3 43.3

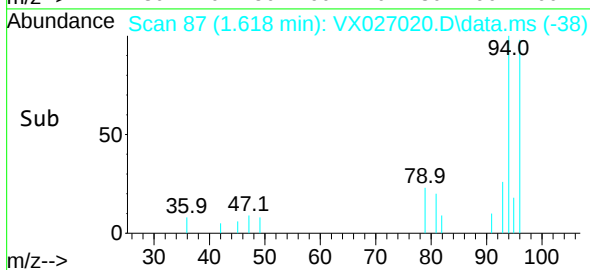
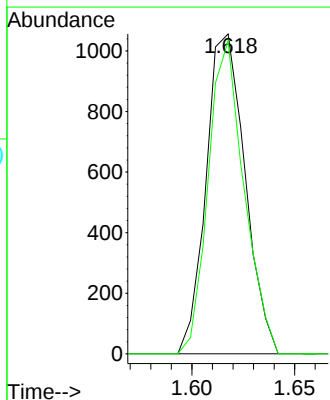
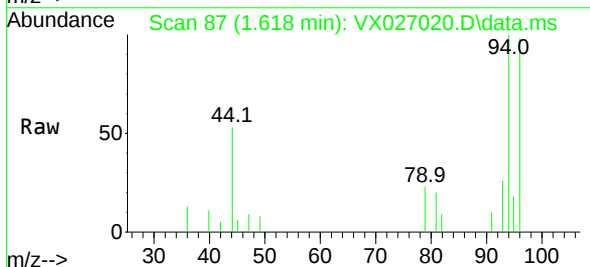
Manual Integrations
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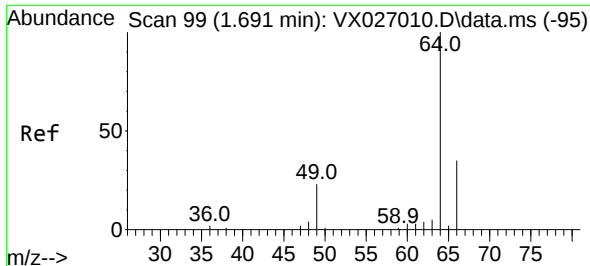
Reviewed By :John Carlone 02/15/2022
 Supervised By :Mahesh Dadoda 02/16/2022



#6
 Bromomethane
 Concen: 2.904 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX027020.D
 Acq: 14 Feb 2022 18:00

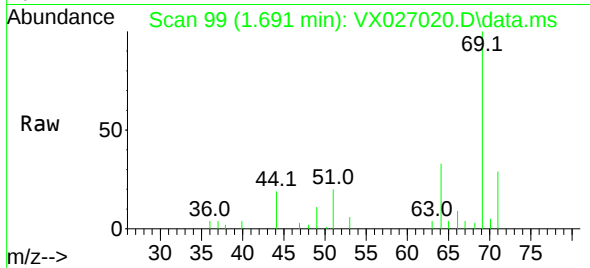
Tgt Ion: 94 Resp: 1392
 Ion Ratio Lower Upper
 94 100
 96 97.8 64.9 120.5





#8
Chloroethane
Concen: 2.013 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

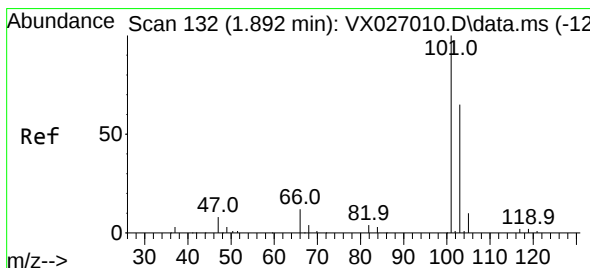
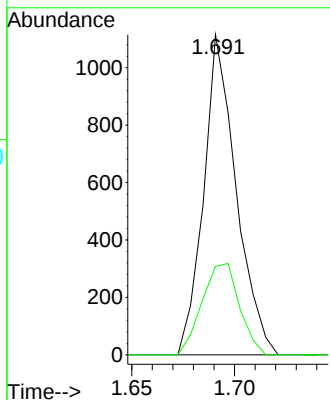
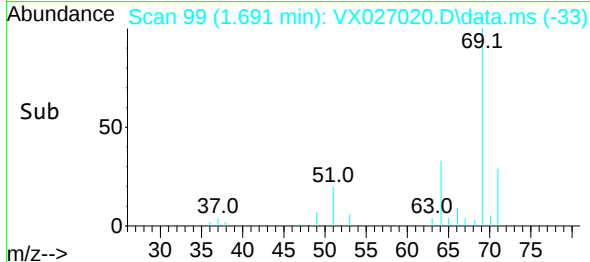
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



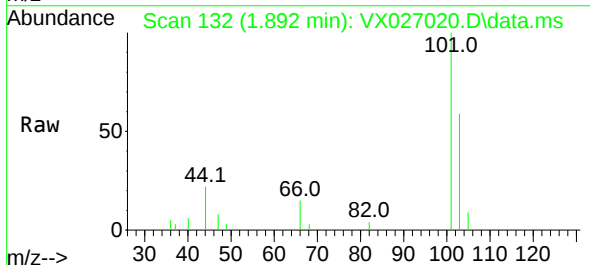
Tgt Ion: 64 Resp: 1220
Ion Ratio Lower Upper
64 100
66 27.6 24.2 45.0

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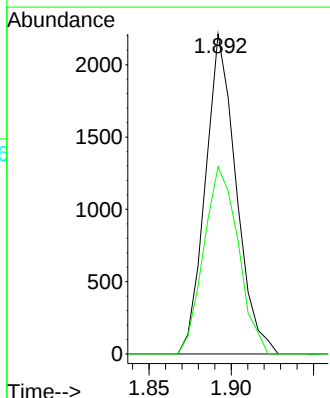
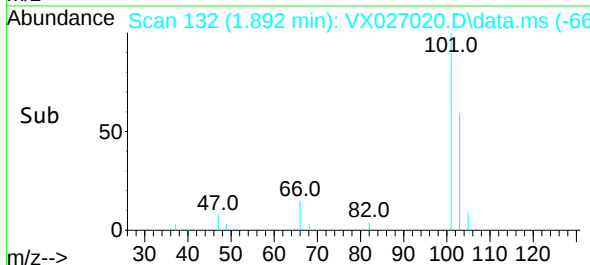
Reviewed By :John Carlone 02/15/2022
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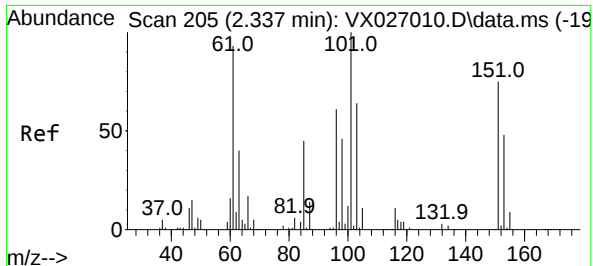


#9
Trichlorofluoromethane
Concen: 1.835 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



Tgt Ion:101 Resp: 2877
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8





#10

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

Concen: 2.691 ug/L

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

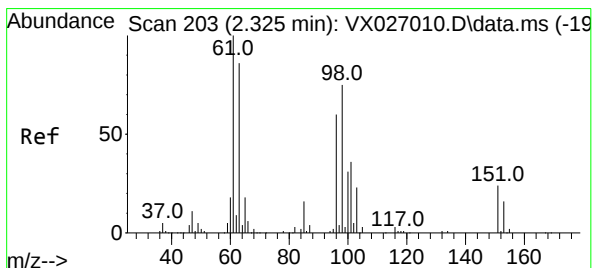
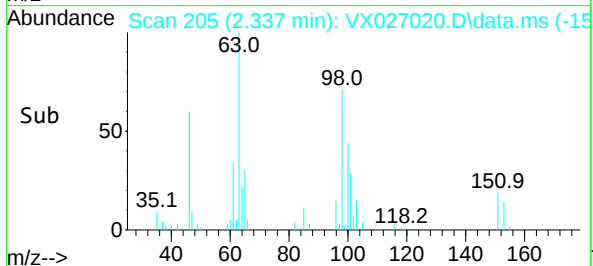
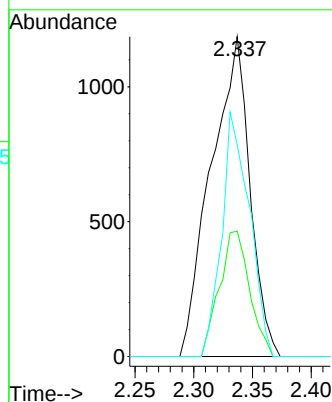
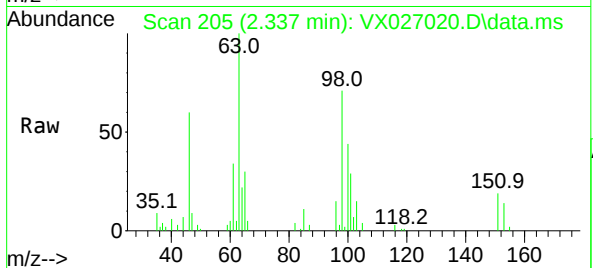
Tgt Ion:	101	Resp:	2720
Ion	Ratio	Lower	Upper
101	100		
85	30.6	33.9	50.9
151	54.7	60.7	91.1

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.631 ug/L

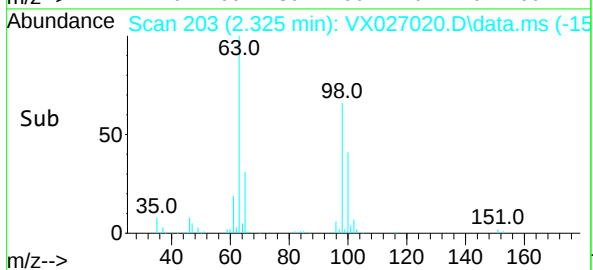
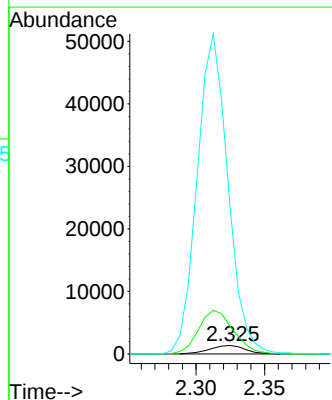
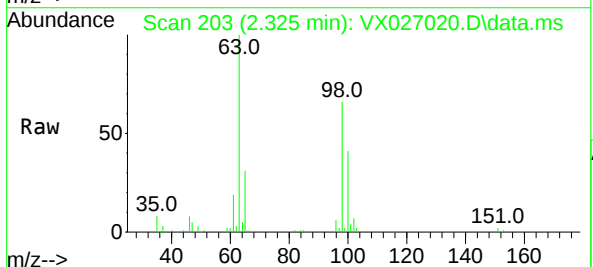
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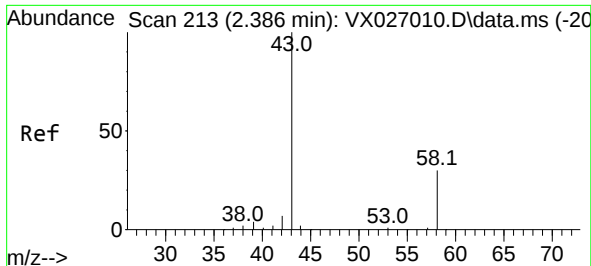
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Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

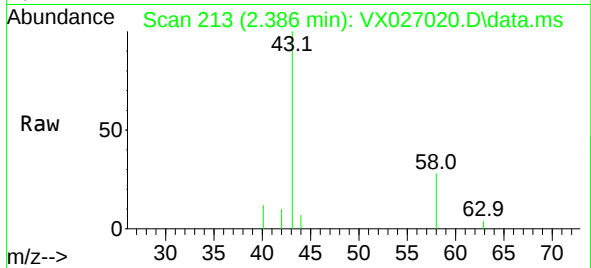
Tgt Ion:	96	Resp:	2443
Ion	Ratio	Lower	Upper
96	100		
61	323.7	118.2	219.4#
63	1721.9	109.6	203.4#





#13
Acetone
Concen: 3.667 ug/L
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

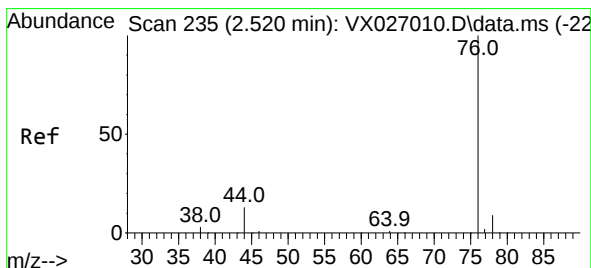
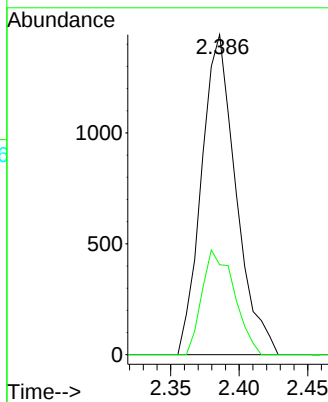
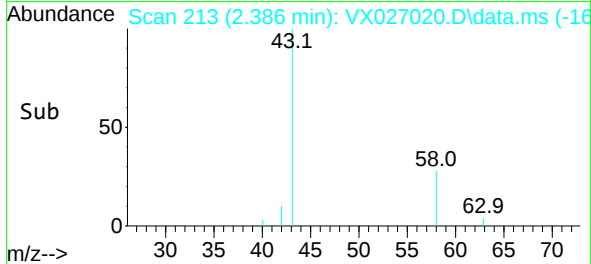
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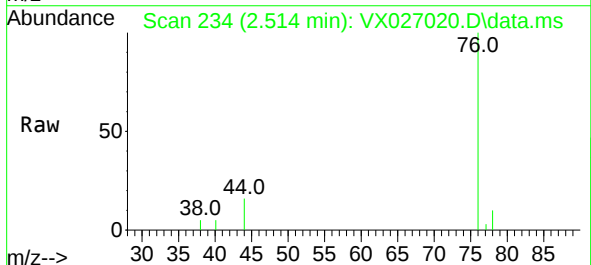
Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
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58 30.6 0.0 61.4

Manual Integrations
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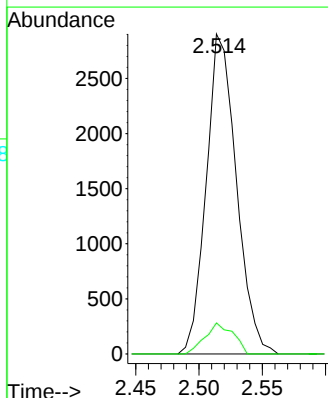
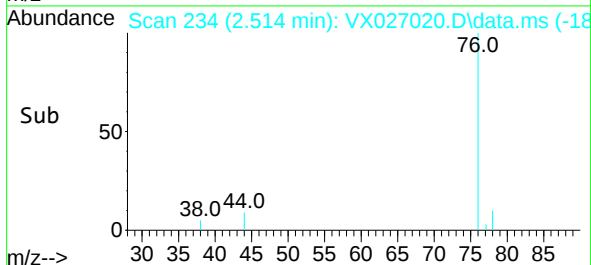
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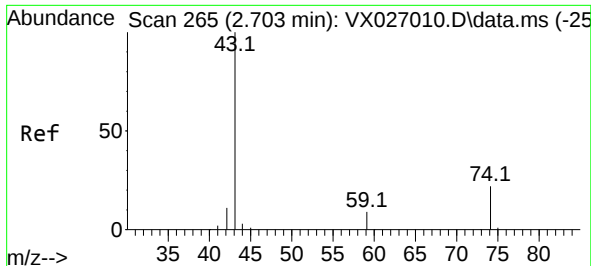


#14
Carbon disulfide
Concen: 1.751 ug/L
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



Tgt Ion: 76 Resp: 4817
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7





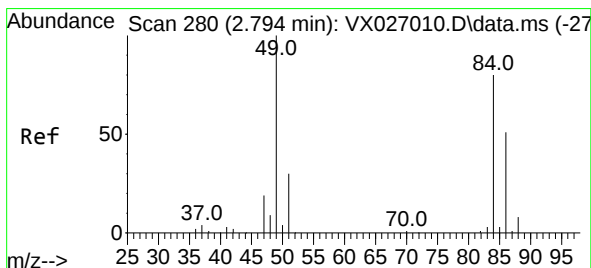
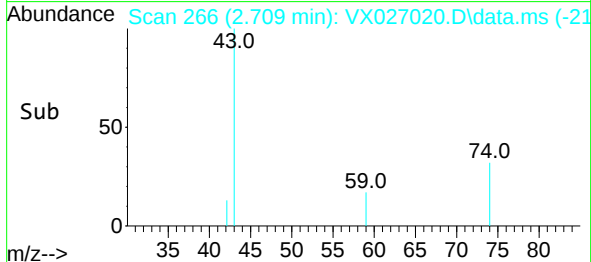
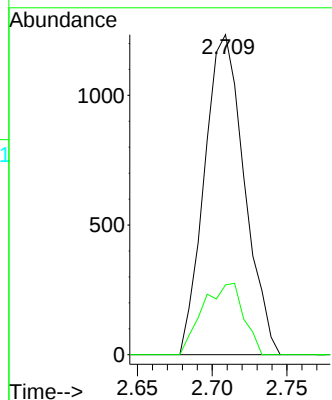
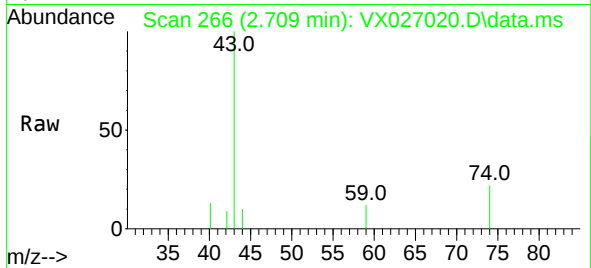
#15
Methyl Acetate
Concen: 2.155 ug/L
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4

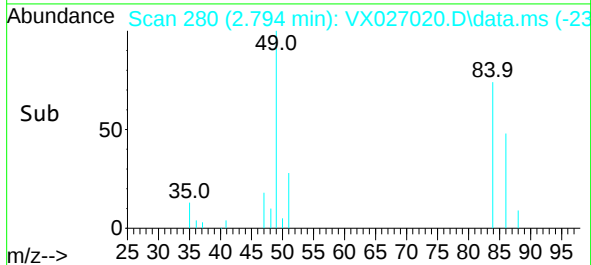
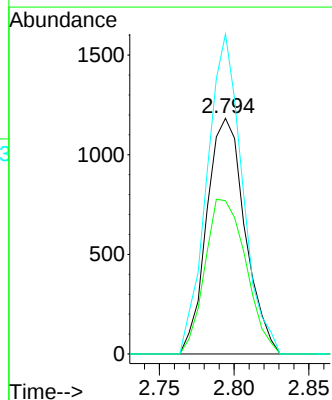
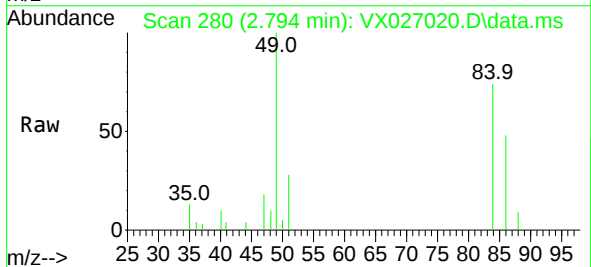
Manual Integrations
APPROVED

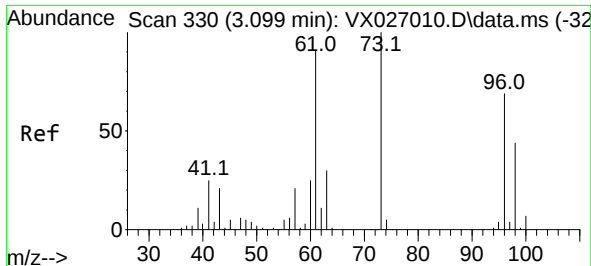
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#16
Methylene chloride
Concen: 2.068 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Tgt Ion: 84 Resp: 2103
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 135.8 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 1.852 ug/L

RT: 3.099 min Scan# 330

Delta R.T. 0.000 min

Lab File: VX027020.D

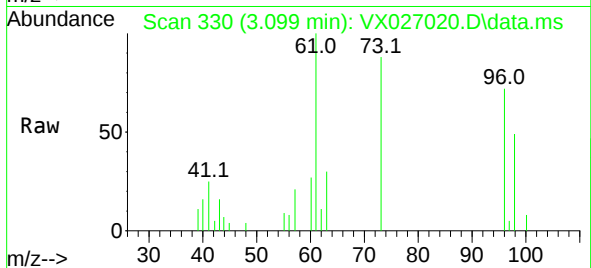
Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01



Tgt Ion: 96 Resp: 1819

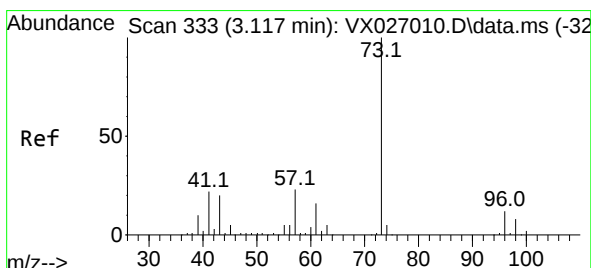
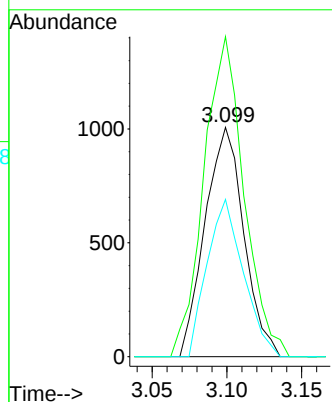
Ion	Ratio	Lower	Upper
96	100		
61	139.5	93.0	172.6
98	68.6	44.3	82.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#18

Methyl tert-butyl Ether

Concen: 1.903 ug/L

RT: 3.117 min Scan# 333

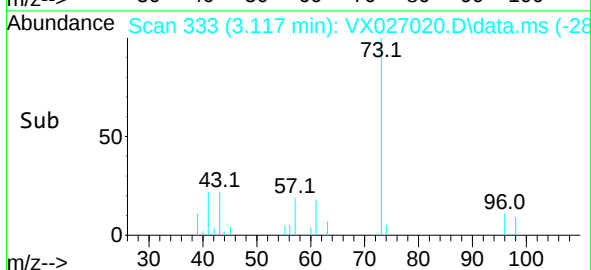
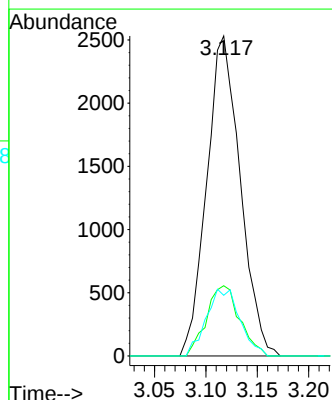
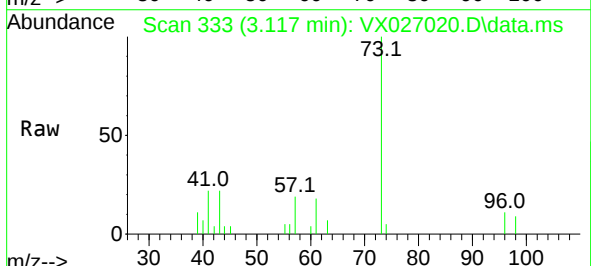
Delta R.T. -0.000 min

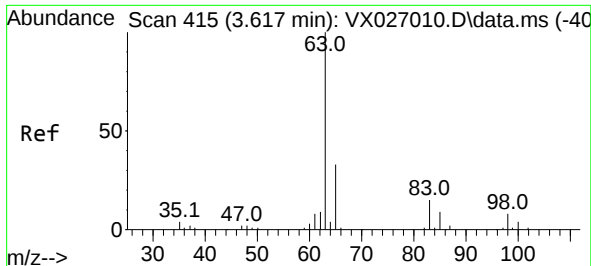
Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Tgt Ion: 73 Resp: 5736

Ion	Ratio	Lower	Upper
73	100		
43	21.7	16.2	24.4
57	21.0	17.1	25.7





#19

1,1-Dichloroethane

Concen: 1.934 ug/L

RT: 3.617 min Scan# 415

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

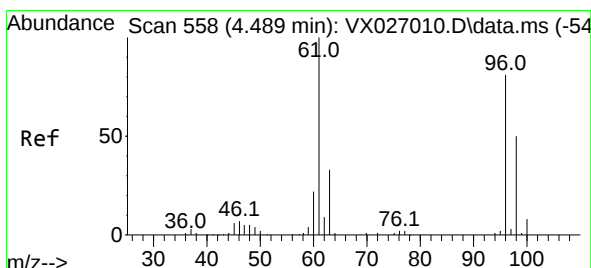
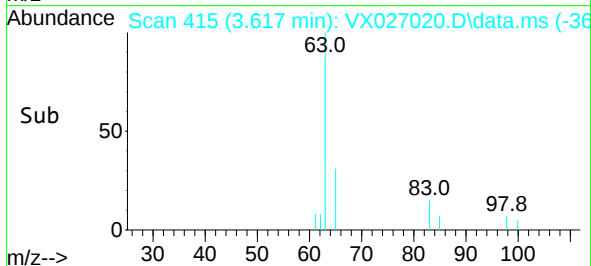
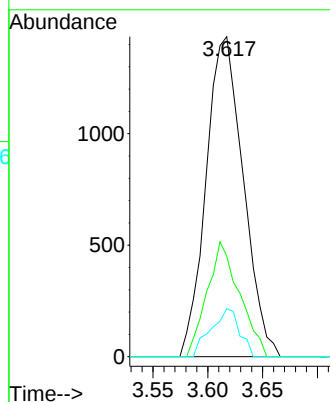
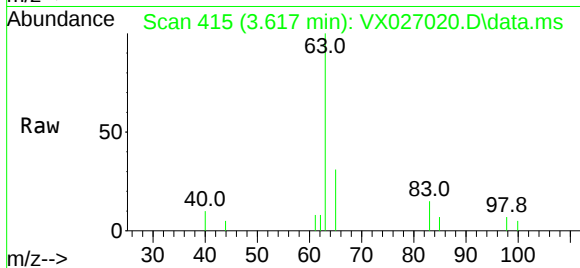
Tgt Ion: 63	Resp: 338
Ion Ratio	Lower Upper
63 100	
65 31.4	22.9 42.5
83 15.0	10.1 18.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#20

cis-1,2-Dichloroethene

Concen: 1.986 ug/L

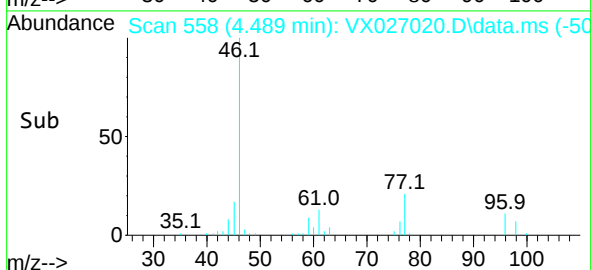
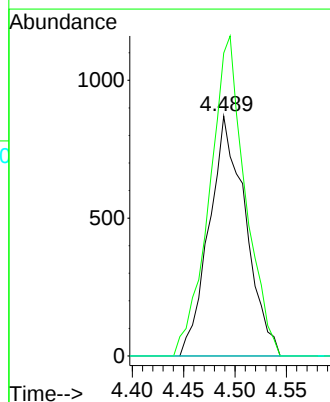
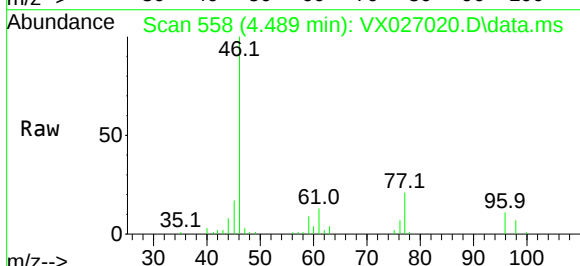
RT: 4.489 min Scan# 558

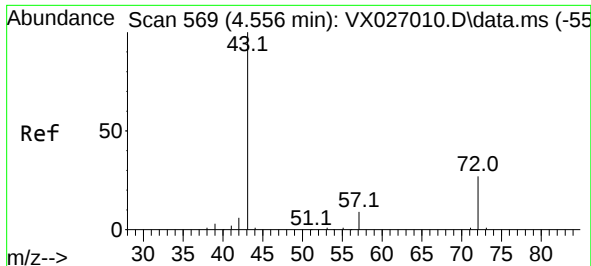
Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

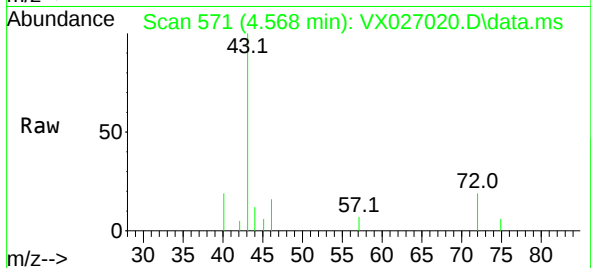
Tgt Ion: 96	Resp: 2141
Ion Ratio	Lower Upper
96 100	
61 126.3	86.7 161.1
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 3.791 ug/L
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

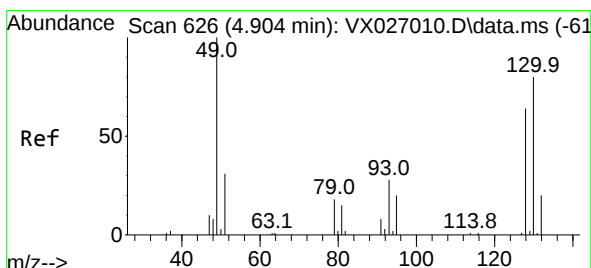
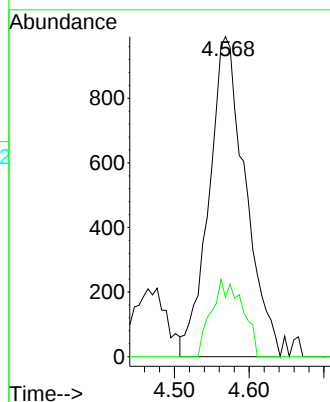
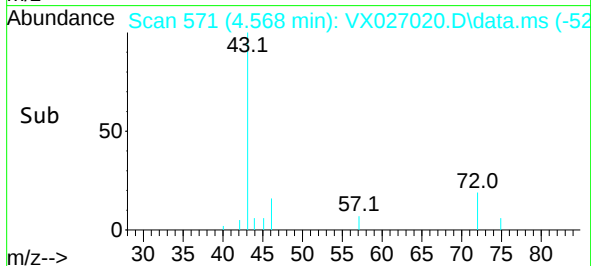
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-01



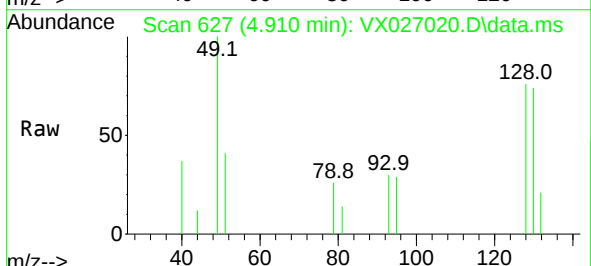
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 10.1 13.2 39.5

Manual Integrations
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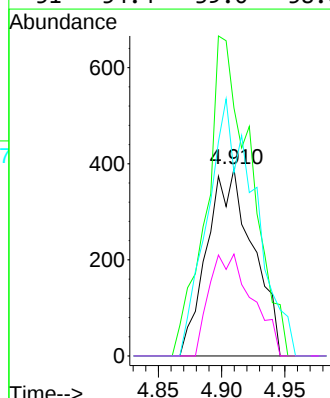
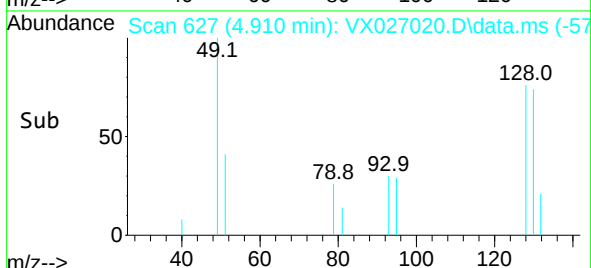
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

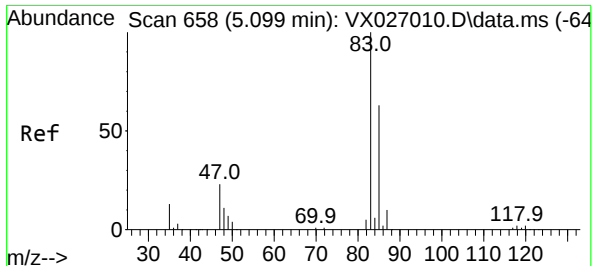


#23
Bromochloromethane
Concen: 1.784 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



Tgt Ion:128 Resp: 982
Ion Ratio Lower Upper
128 100
49 132.3 110.2 204.6
130 97.9 88.2 163.8
51 54.4 39.0 58.6





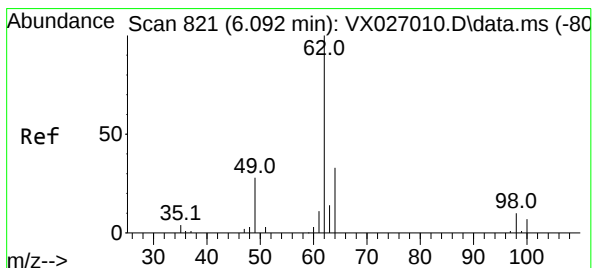
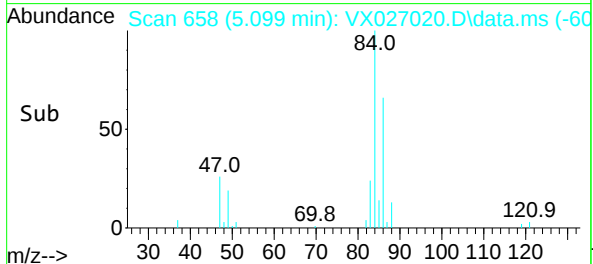
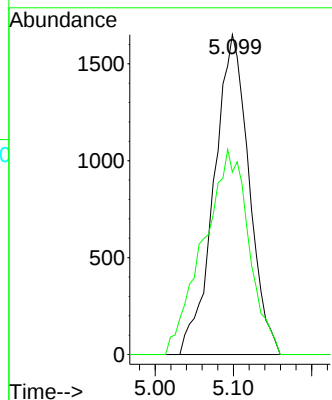
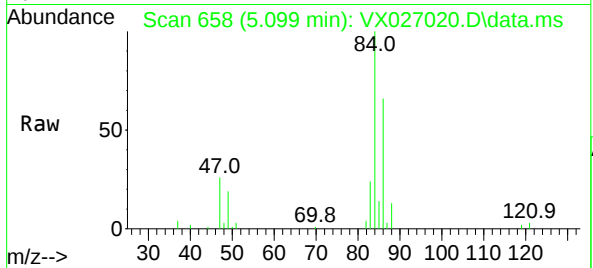
#25
Chloroform
Concen: 2.729 ug/L
RT: 5.099 min Scan# 614
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01

Tgt Ion: 83 Resp: 5114
Ion Ratio Lower Upper
83 100
85 57.0 44.2 82.2

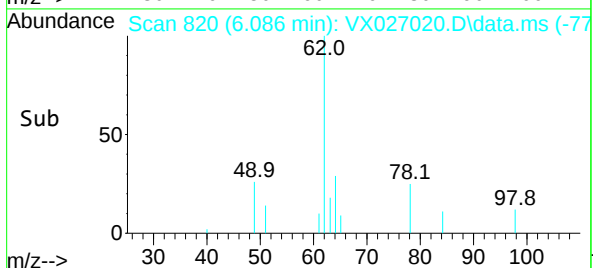
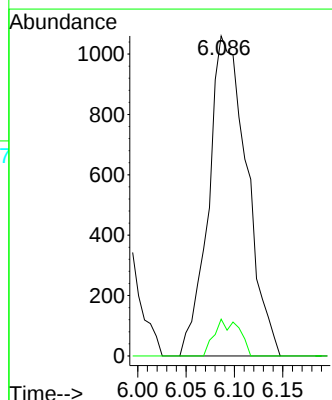
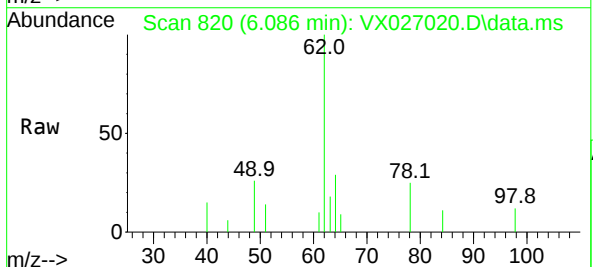
Manual Integrations
APPROVED

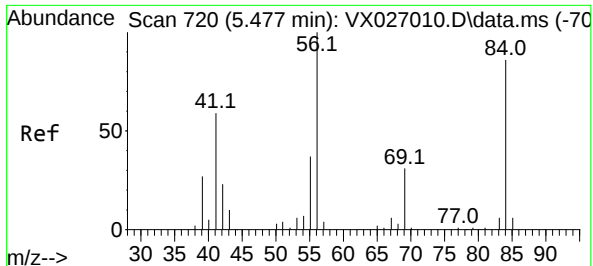
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#27
1,2-Dichloroethane
Concen: 1.997 ug/L
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Tgt Ion: 62 Resp: 2895
Ion Ratio Lower Upper
62 100
98 11.5 8.2 12.2





#29

Cyclohexane

Concen: 1.911 ug/L m

RT: 5.477 min Scan# 720

Delta R.T. -0.000 min

Lab File: VX027020.D

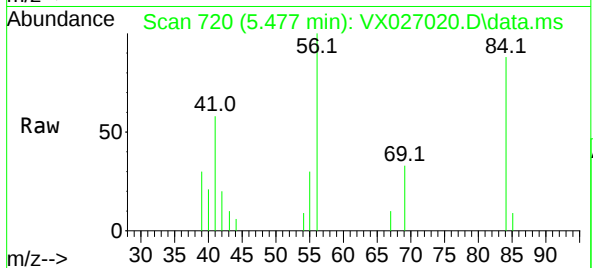
Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01



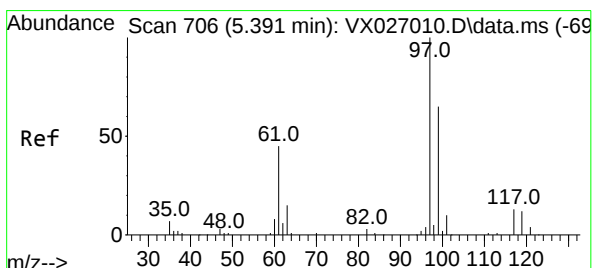
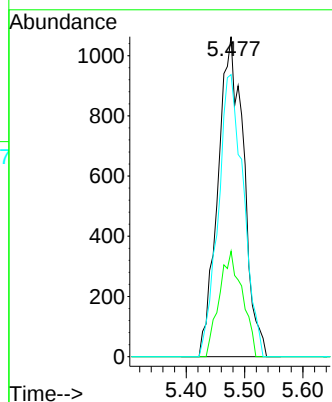
Tgt Ion:	56	Resp:	3264
Ion Ratio	Lower	Upper	
56	100		
69	29.4	24.6	36.8
84	86.0	69.8	104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#30

1,1,1-Trichloroethane

Concen: 1.705 ug/L

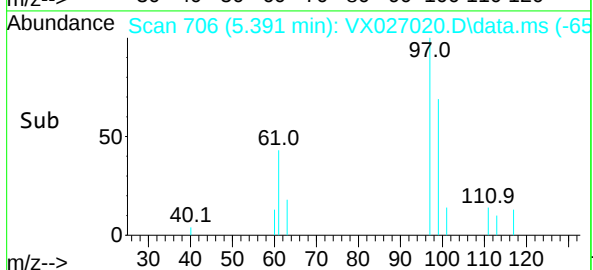
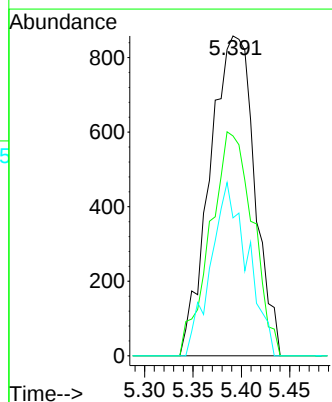
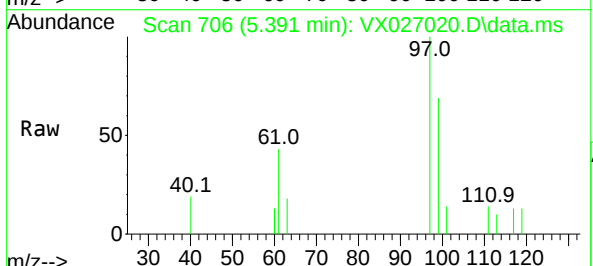
RT: 5.391 min Scan# 706

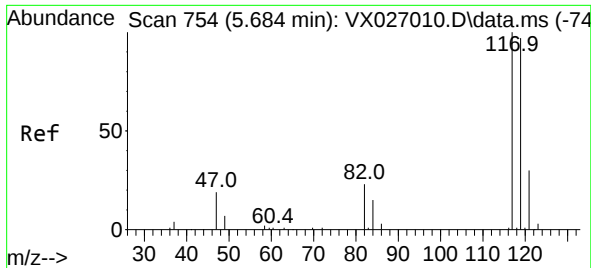
Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

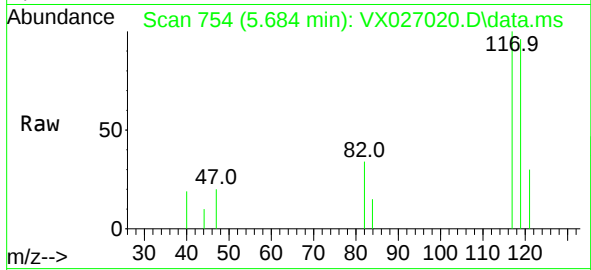
Tgt Ion:	97	Resp:	2763
Ion Ratio	Lower	Upper	
97	100		
99	66.7	51.5	77.3
61	44.4	35.2	52.8





#31
Carbon tetrachloride
Concen: 1.734 ug/L
RT: 5.684 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

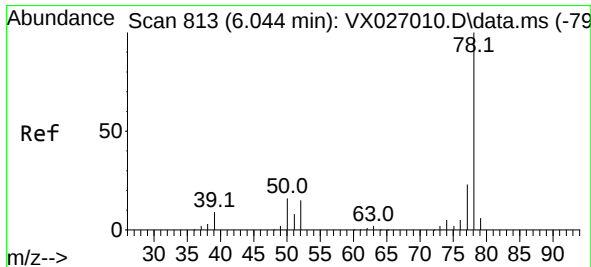
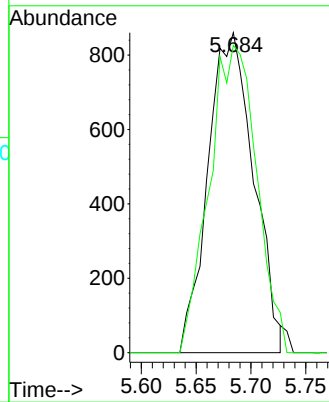
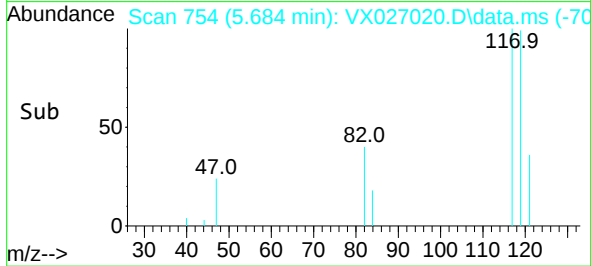
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-01



Tgt Ion:117 Resp: 249
Ion Ratio Lower Upper
117 100
119 44.0 77.8 116.8

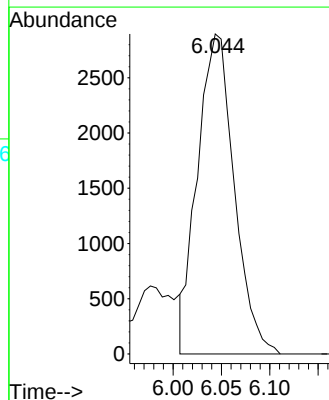
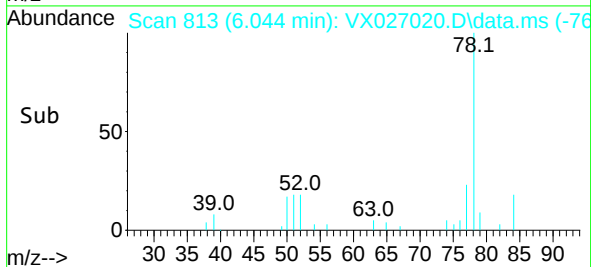
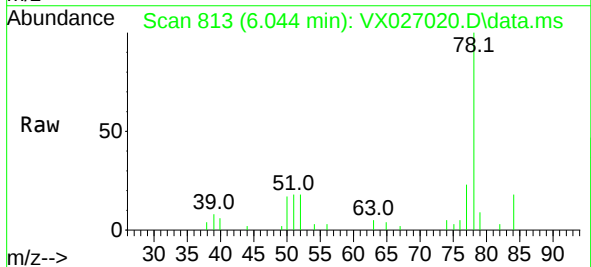
Manual Integrations
APPROVED

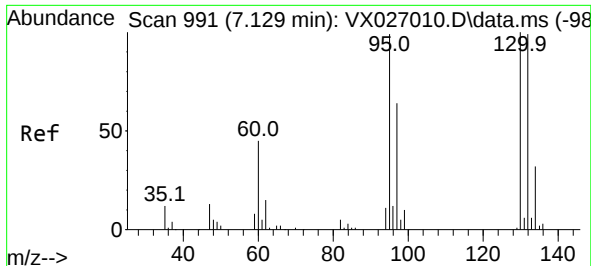
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#33
Benzene
Concen: 1.897 ug/L
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

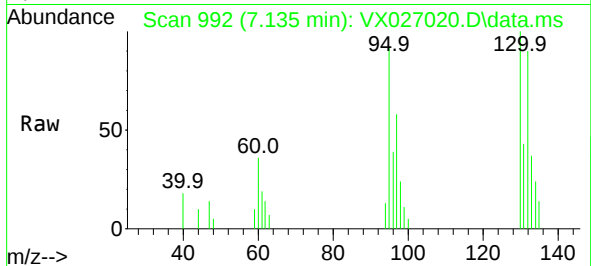
Tgt Ion: 78 Resp: 7635





#34
Trichloroethene
Concen: 1.926 ug/L
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

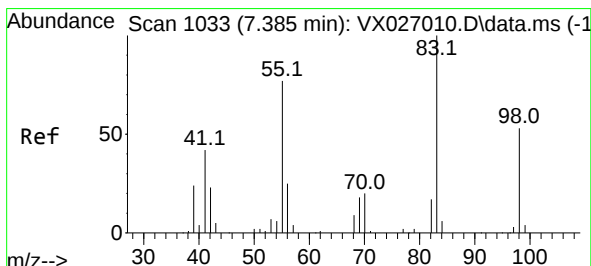
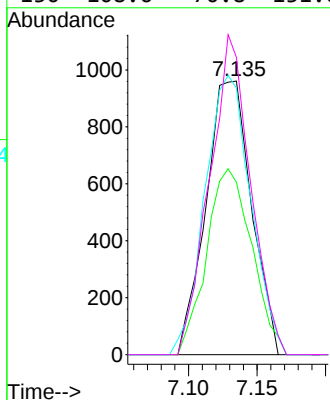
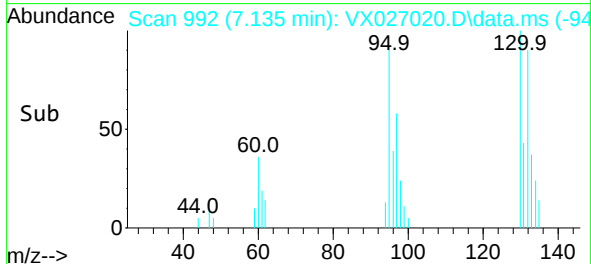
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-01



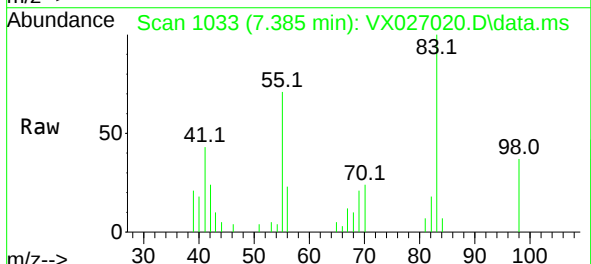
Tgt Ion: 95 Resp: 221
Ion Ratio Lower Upper
95 100
97 63.0 45.5 84.5
132 97.4 69.9 129.7
130 108.6 70.8 131.6

Manual Integrations
APPROVED

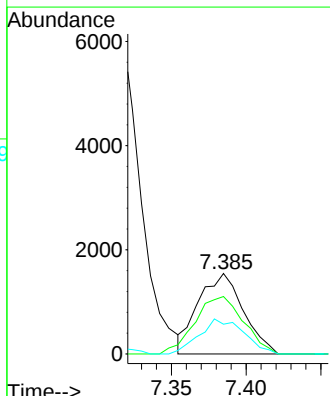
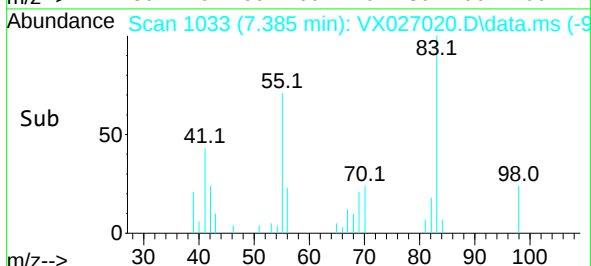
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

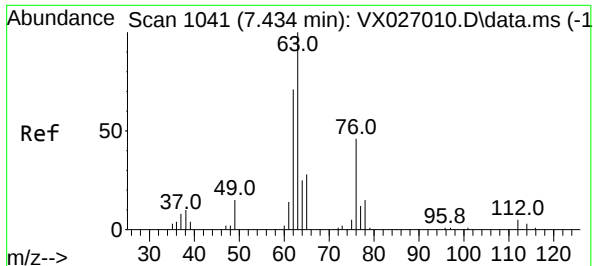


#35
Methylcyclohexane
Concen: 1.855 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



Tgt Ion: 83 Resp: 3228
Ion Ratio Lower Upper
83 100
55 77.2 60.6 90.8
98 43.1 39.8 59.8





#37

1,2-Dichloropropane

Concen: 1.924 ug/L

RT: 7.434 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

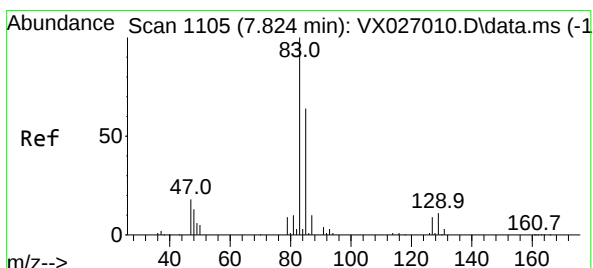
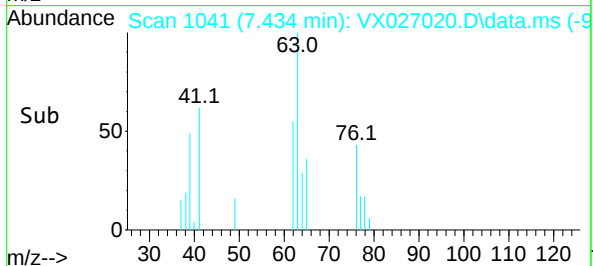
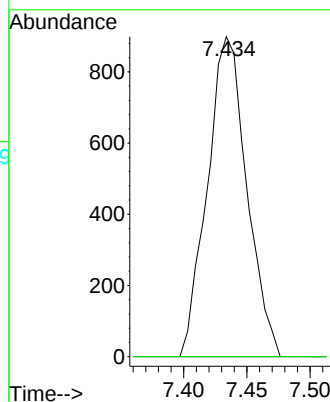
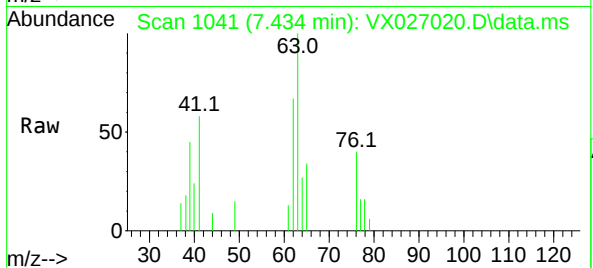
Tgt Ion: 63 Resp: 194
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#38

Bromodichloromethane

Concen: 1.688 ug/L

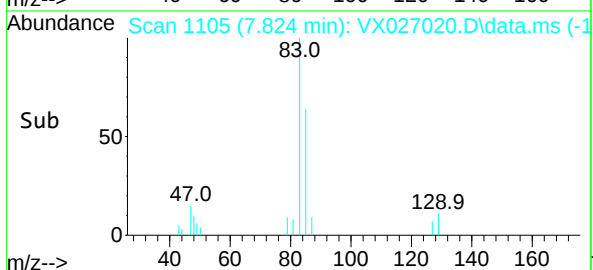
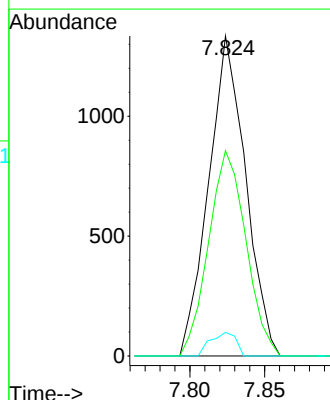
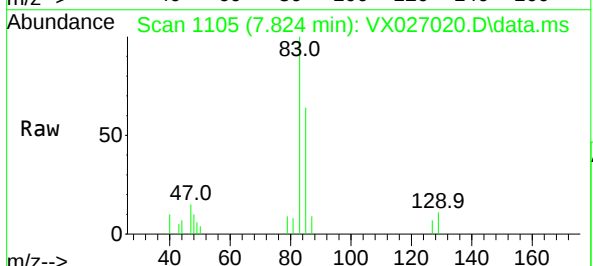
RT: 7.824 min Scan# 1105

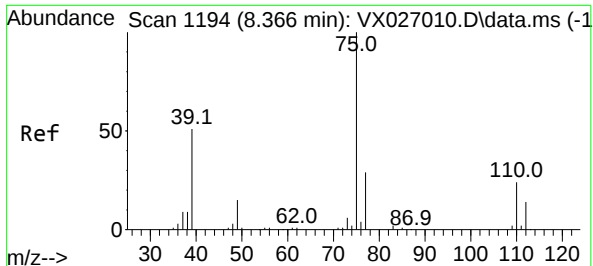
Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Tgt Ion: 83 Resp: 2294
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 83.1
 127 7.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 1.652 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion: 75 Resp: 2500

Ion Ratio Lower Upper

75 100

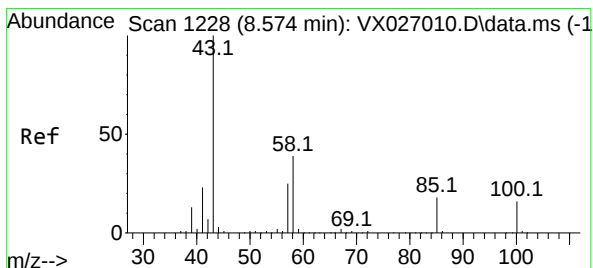
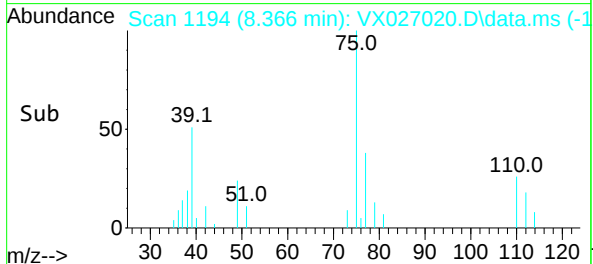
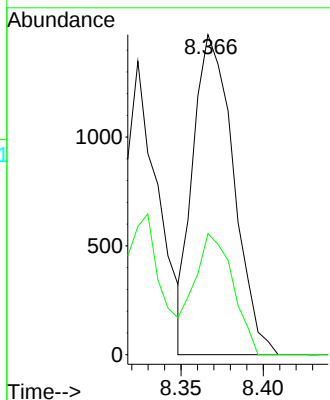
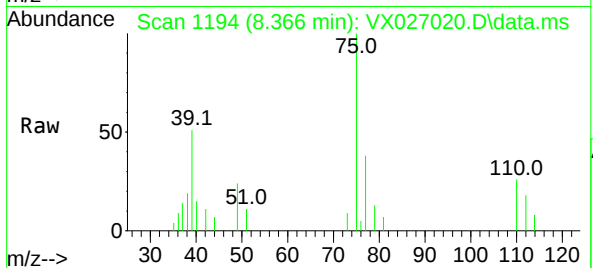
77 37.9 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#40

4-Methyl-2-pentanone

Concen: 3.847 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

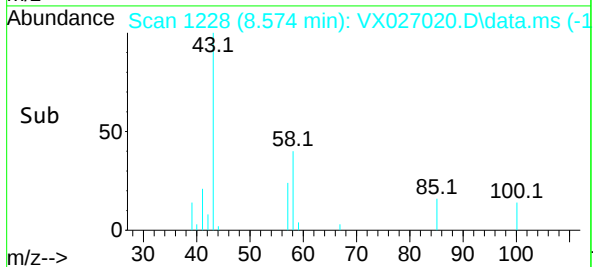
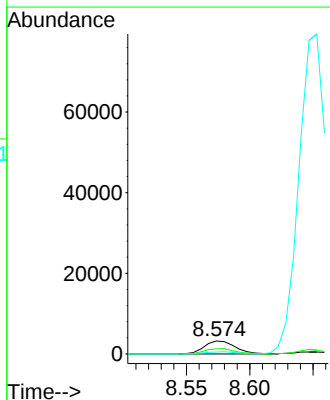
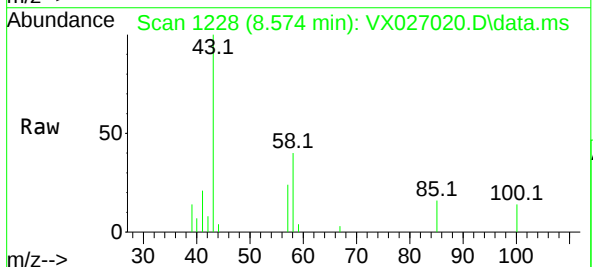
Tgt Ion: 43 Resp: 5535

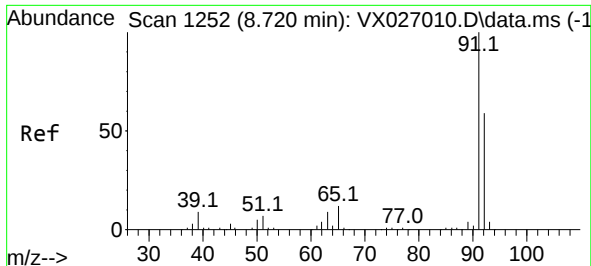
Ion Ratio Lower Upper

43 100

58 40.4 31.0 46.6

100 16.2 13.0 19.4





#42

Toluene

Concen: 2.549 ug/L

RT: 8.720 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 1101

Ion Ratio Lower Upper

91 100

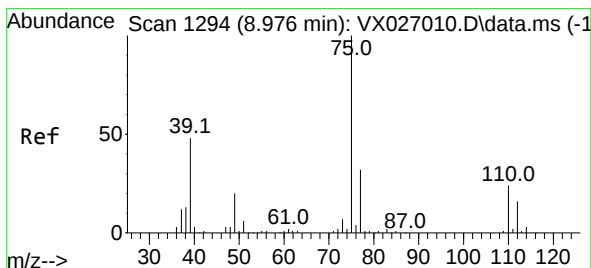
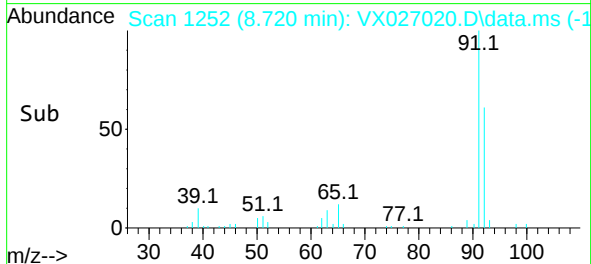
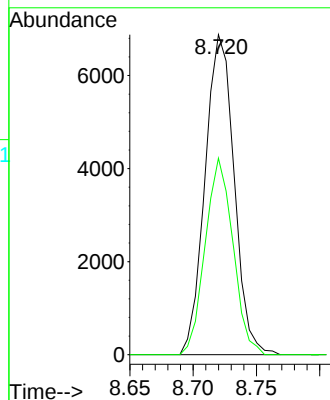
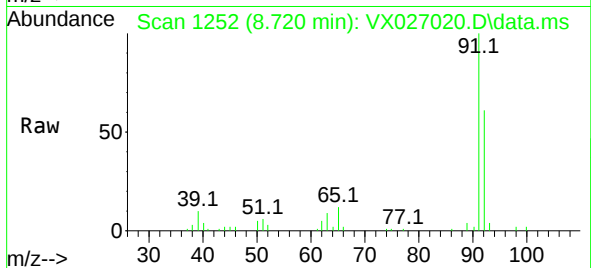
92 61.4 41.5 77.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#44

trans-1,3-Dichloropropene

Concen: 2.672 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX027020.D

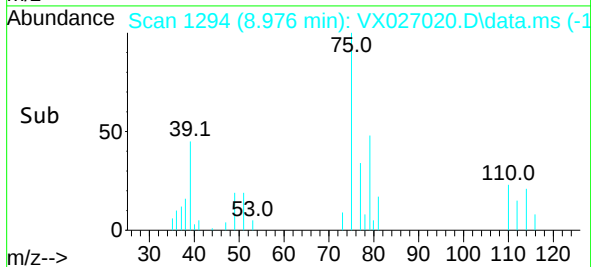
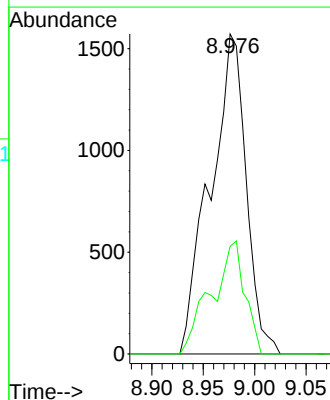
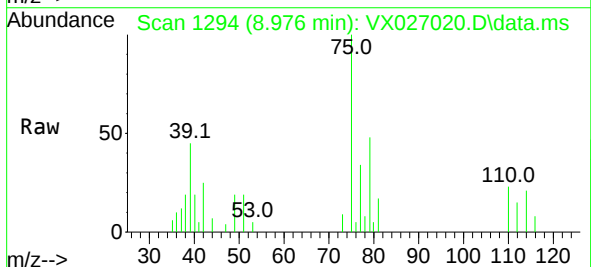
Acq: 14 Feb 2022 18:00

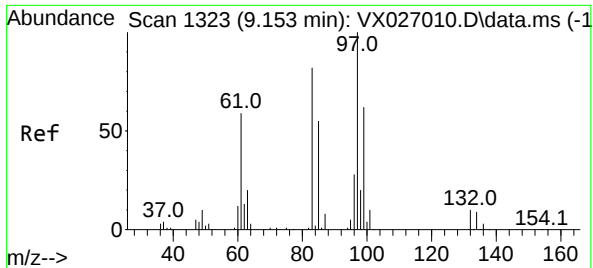
Tgt Ion: 75 Resp: 3810

Ion Ratio Lower Upper

75 100

77 33.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 1.978 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion: 97 Resp: 1958

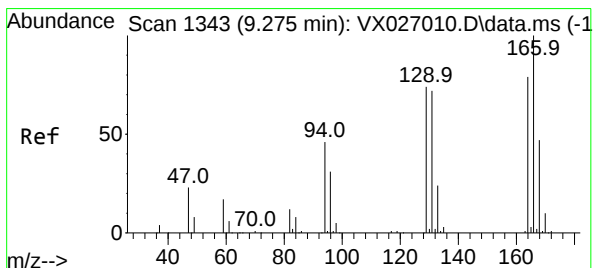
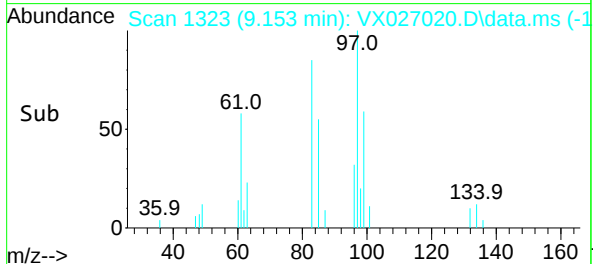
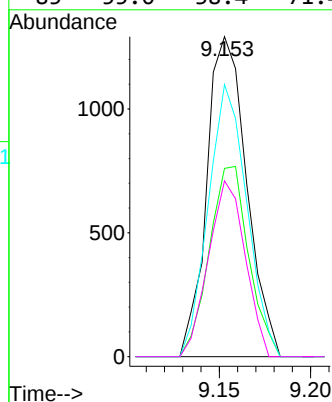
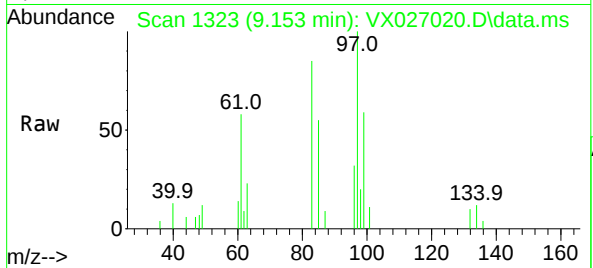
Ion	Ratio	Lower	Upper
97	100		
99	58.8	43.3	80.5
83	85.1	57.5	106.9
85	55.0	38.4	71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#46

Tetrachloroethene

Concen: 1.762 ug/L

RT: 9.275 min Scan# 1343

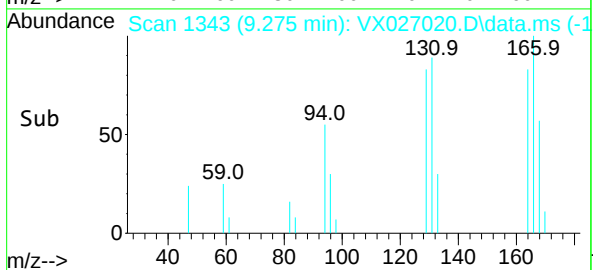
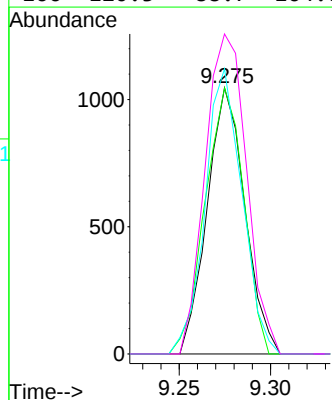
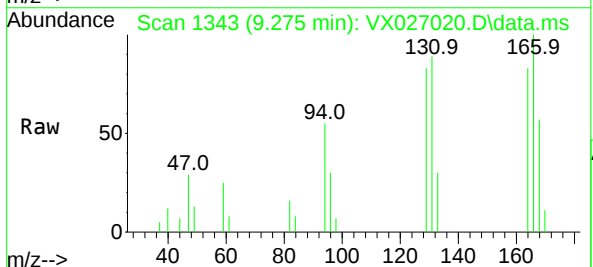
Delta R.T. -0.000 min

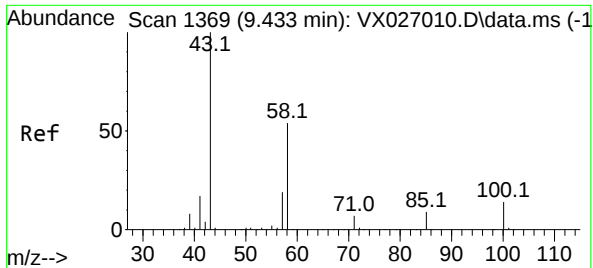
Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Tgt Ion:164 Resp: 1502

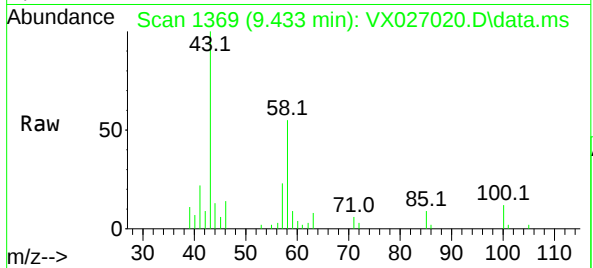
Ion	Ratio	Lower	Upper
164	100		
129	100.0	65.5	121.7
131	107.2	64.3	119.3
166	120.3	88.7	164.7





#48
2-Hexanone
Concen: 4.603 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

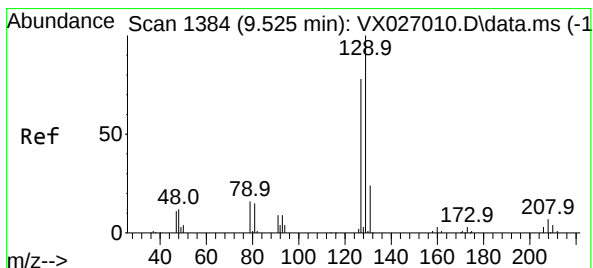
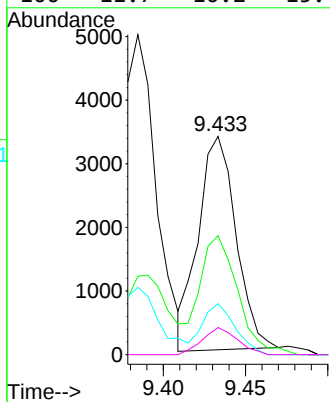
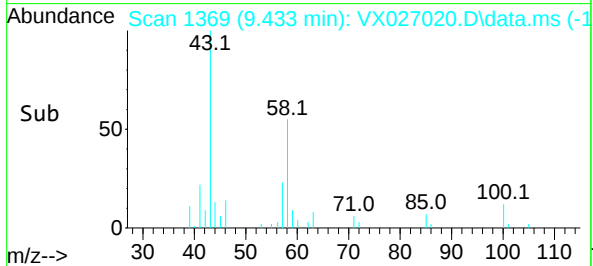
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



Tgt Ion: 43 Resp: 5362
Ion Ratio Lower Upper
43 100
58 57.6 42.9 64.3
57 20.8 15.3 22.9
100 11.7 10.2 15.4

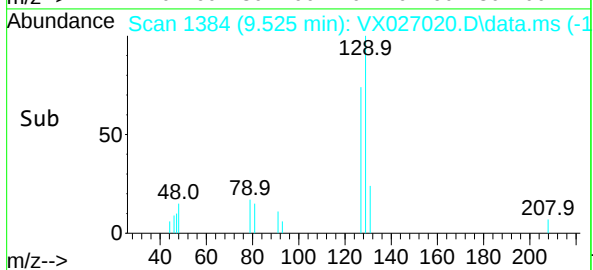
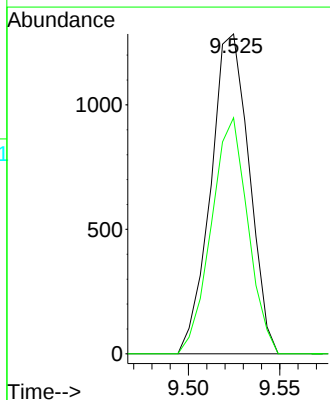
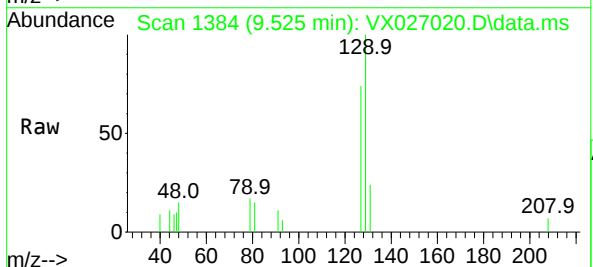
Manual Integrations
APPROVED

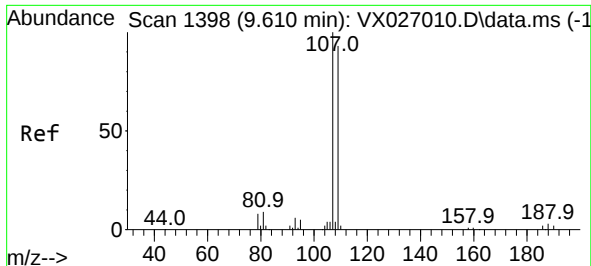
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#49
Dibromochloromethane
Concen: 1.734 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Tgt Ion:129 Resp: 1882
Ion Ratio Lower Upper
129 100
127 73.8 54.3 100.9





#50

1,2-Dibromoethane

Concen: 1.881 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX027020.D

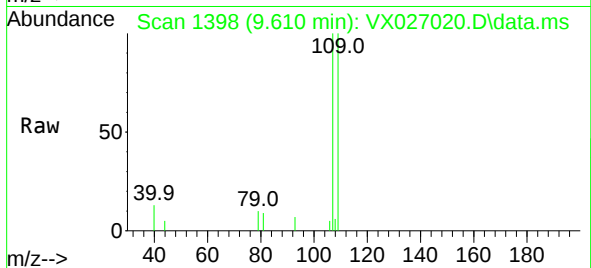
Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01



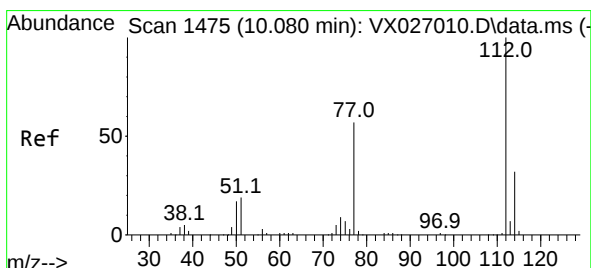
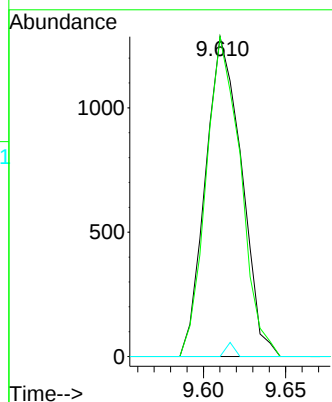
Tgt Ion:	107	Resp:	1954
Ion	Ratio	Lower	Upper
107	100		
109	99.9	64.9	120.5
188	0.0	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#51

Chlorobenzene

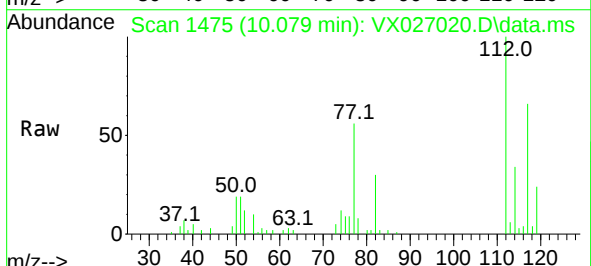
Concen: 1.924 ug/L

RT: 10.079 min Scan# 1475

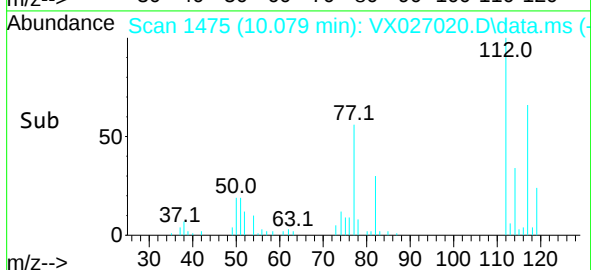
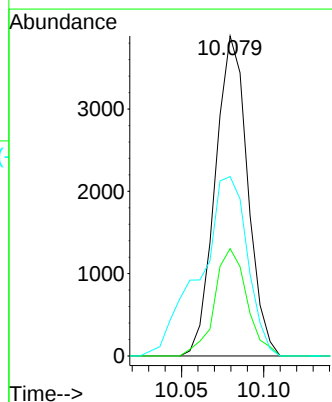
Delta R.T. -0.000 min

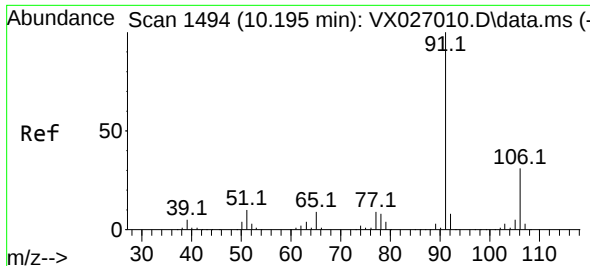
Lab File: VX027020.D

Acq: 14 Feb 2022 18:00



Tgt Ion:	112	Resp:	5324
Ion	Ratio	Lower	Upper
112	100		
114	33.6	22.2	41.2
77	56.1	45.9	68.9





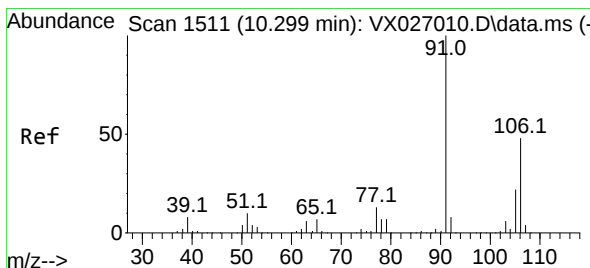
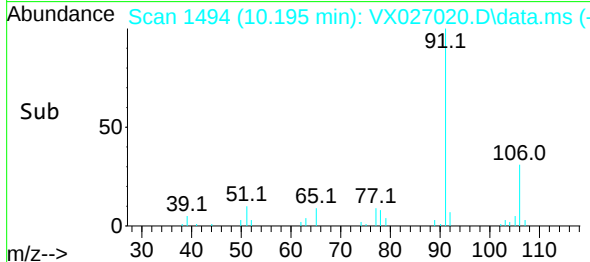
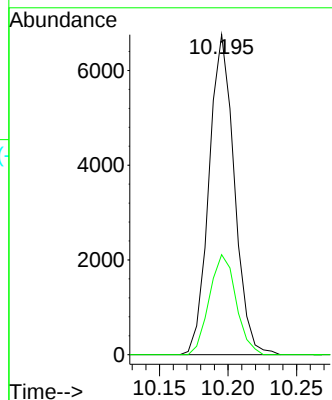
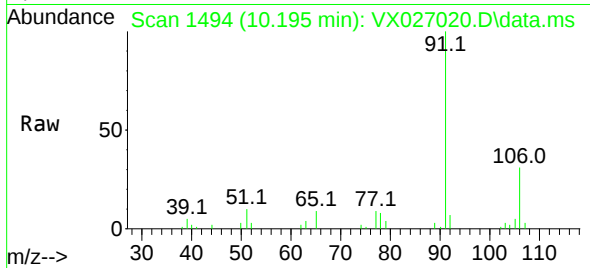
#52
Ethylbenzene
Concen: 1.870 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 8690
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3

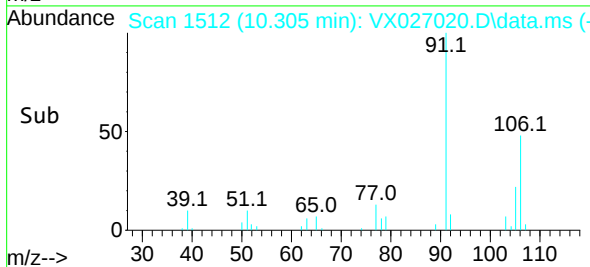
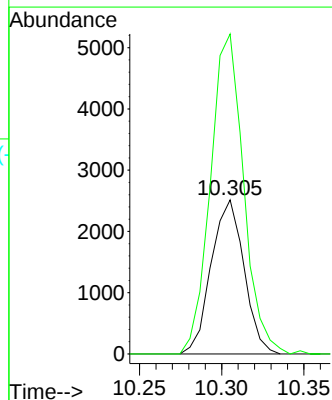
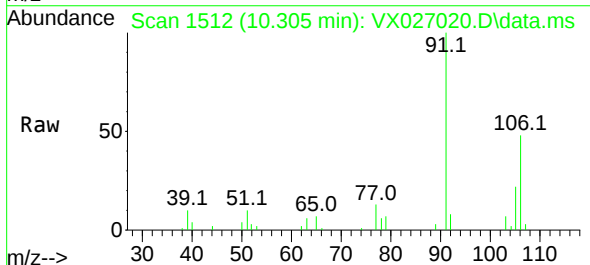
Manual Integrations
APPROVED

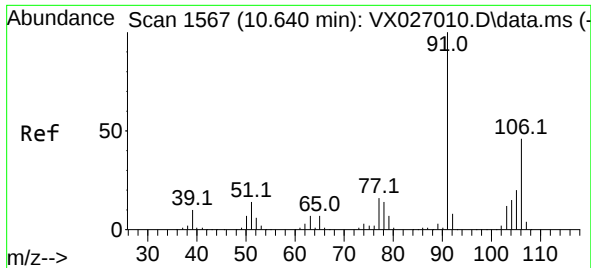
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#53
m,p-Xylene
Concen: 1.903 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Tgt Ion:106 Resp: 3487
Ion Ratio Lower Upper
106 100
91 207.7 145.7 270.5





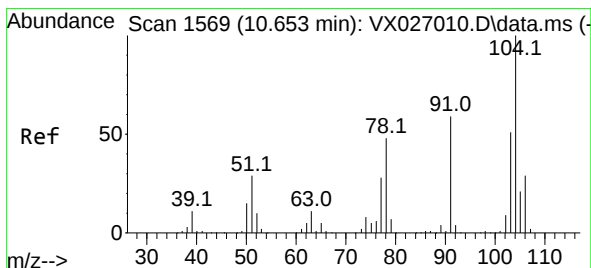
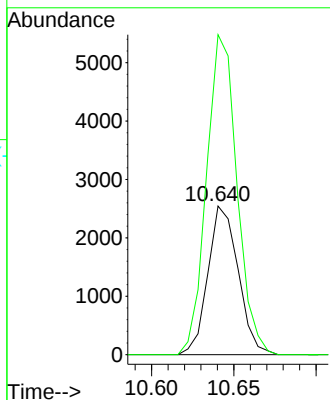
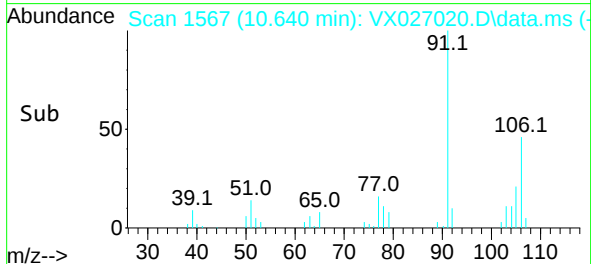
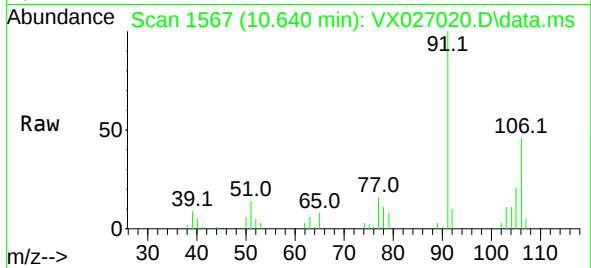
#54
o-Xylene
Concen: 1.861 ug/L
RT: 10.640 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01

Tgt Ion:106 Resp: 326
Ion Ratio Lower Upper
106 100
91 215.3 151.2 280.8

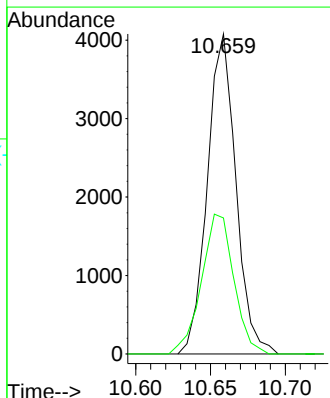
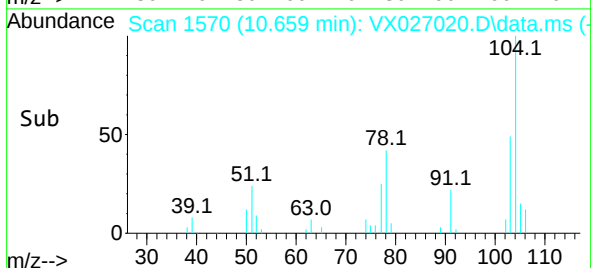
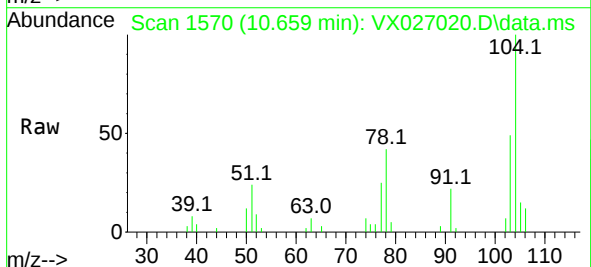
Manual Integrations
APPROVED

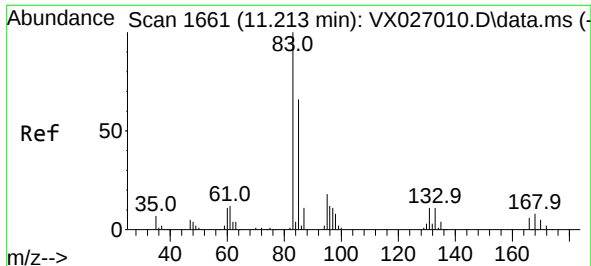
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#55
Styrene
Concen: 1.827 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Tgt Ion:104 Resp: 5423
Ion Ratio Lower Upper
104 100
78 42.5 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 2.235 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

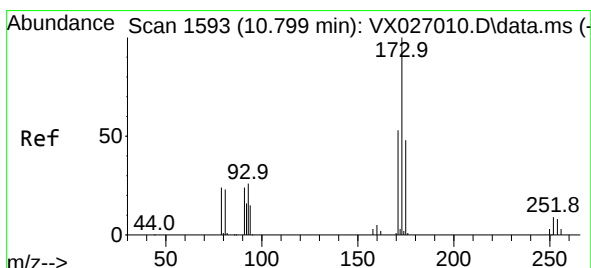
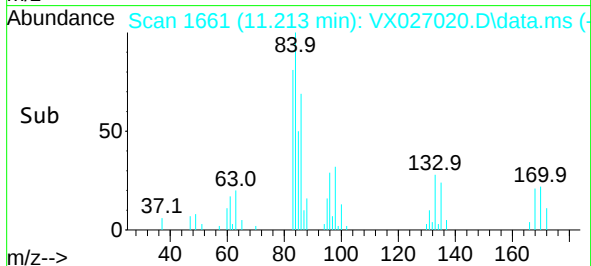
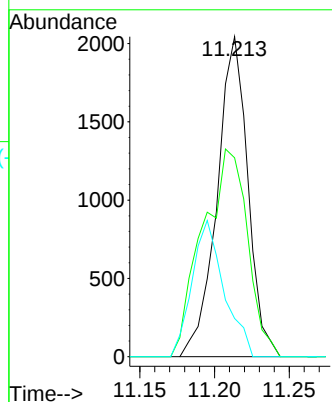
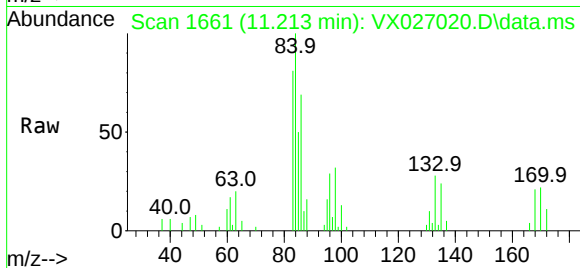
Tgt Ion: 83	Resp: 2929
Ion Ratio	Lower Upper
83 100	
85 62.2	45.8 85.2
131 12.0	8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#59

Bromoform

Concen: 1.591 ug/L

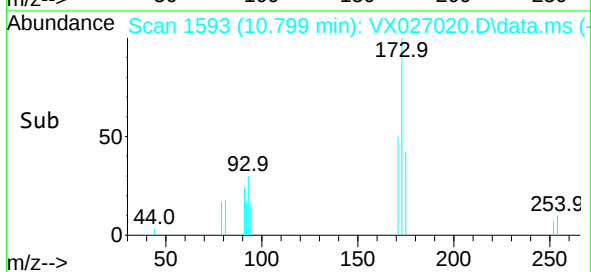
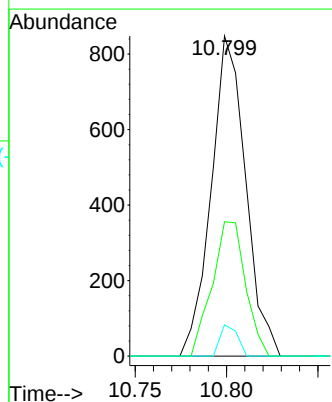
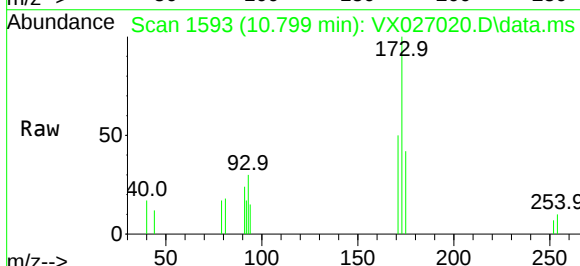
RT: 10.799 min Scan# 1593

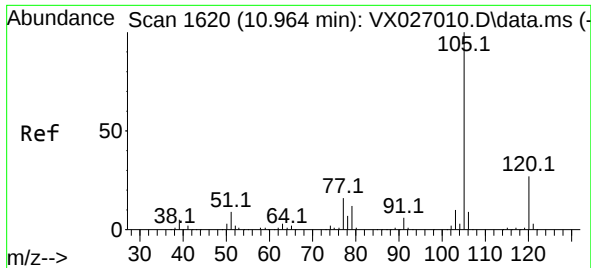
Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Tgt Ion:173	Resp: 1111
Ion Ratio	Lower Upper
173 100	
175 40.7	38.9 58.3
254 4.9	7.0 10.6





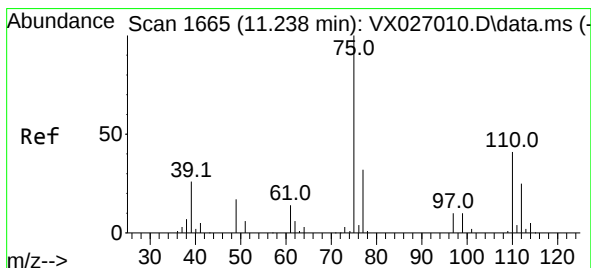
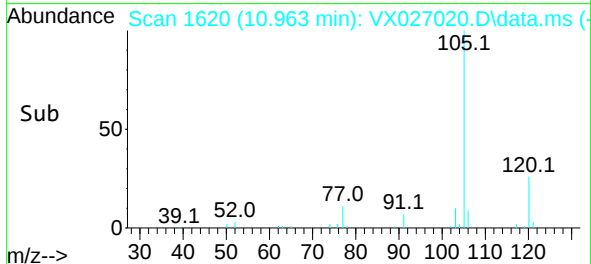
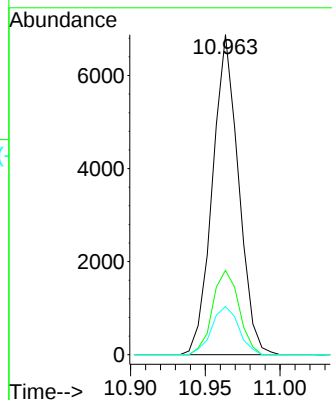
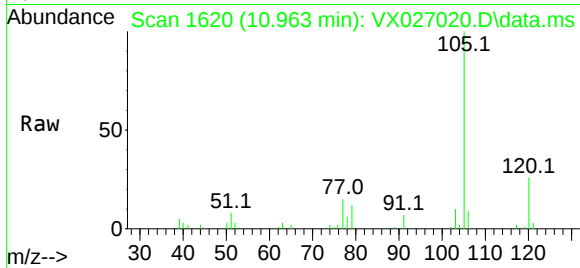
#60
Isopropylbenzene
Concen: 1.897 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01

Tgt Ion: 105 Resp: 834
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 15.6 12.5 18.7

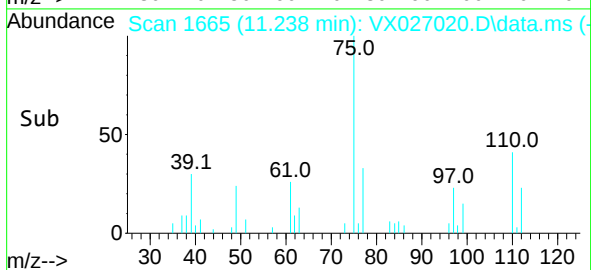
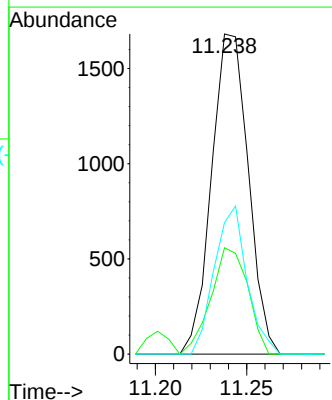
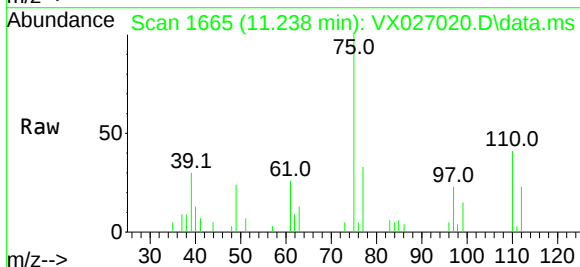
Manual Integrations
APPROVED

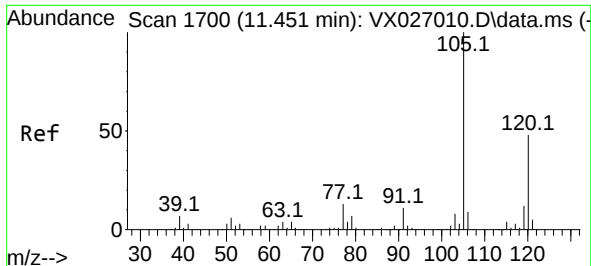
Reviewed By : John Carlone 02/15/2022
Supervised By : Mahesh Dadoda 02/16/2022



#61
1,2,3-Trichloropropane
Concen: 2.040 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

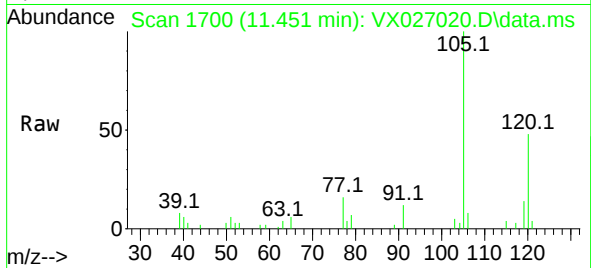
Tgt Ion: 75 Resp: 2355
Ion Ratio Lower Upper
75 100
77 33.4 25.8 38.6
110 41.0 33.4 50.0





#62
1,3,5-Trimethylbenzene
Concen: 1.772 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

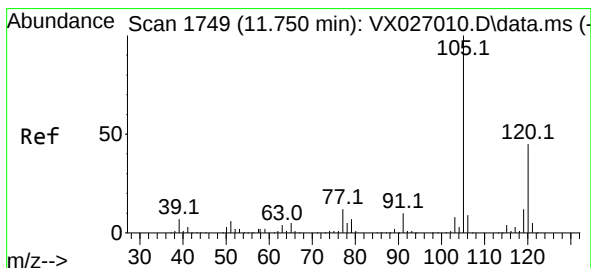
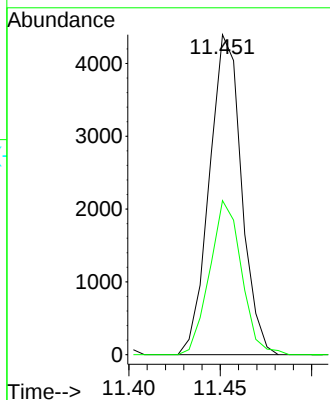
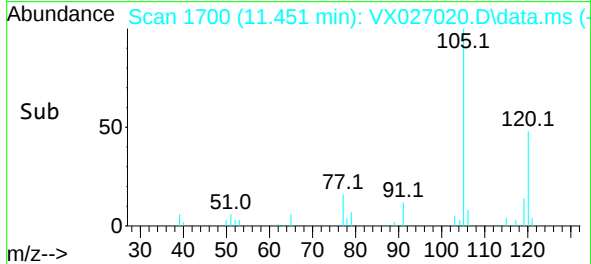
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-01



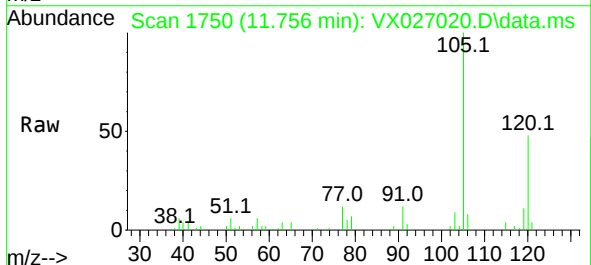
Tgt Ion:105 Resp: 5370
Ion Ratio Lower Upper
105 100
120 47.8 39.1 58.7

Manual Integrations
APPROVED

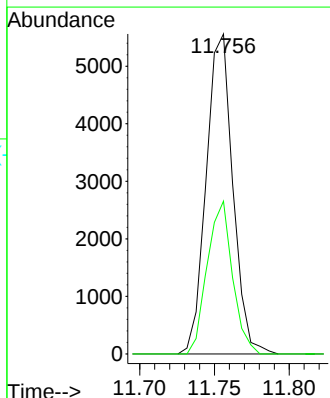
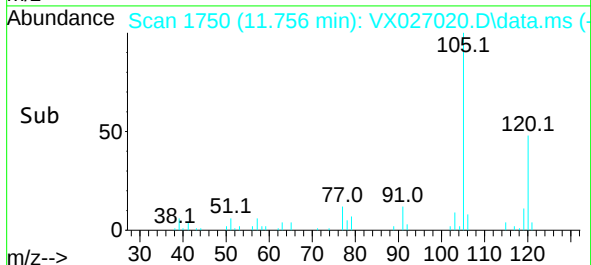
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

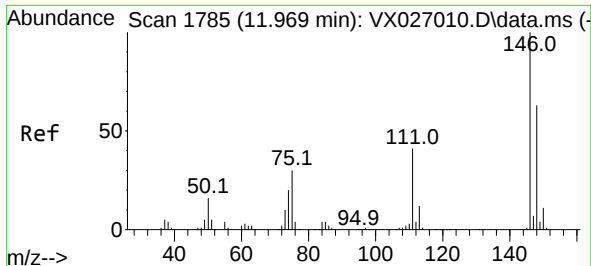


#63
1,2,4-Trimethylbenzene
Concen: 1.870 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



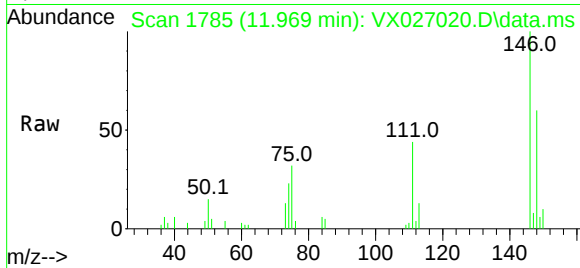
Tgt Ion:105 Resp: 6890
Ion Ratio Lower Upper
105 100
120 45.1 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 1.983 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

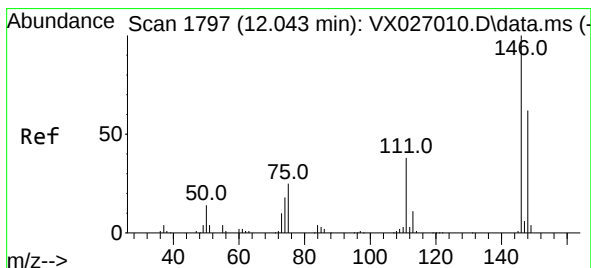
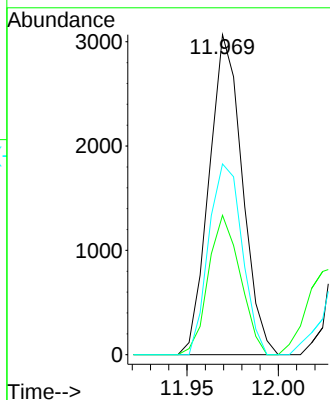
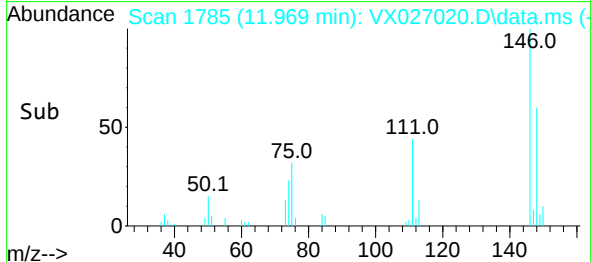
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



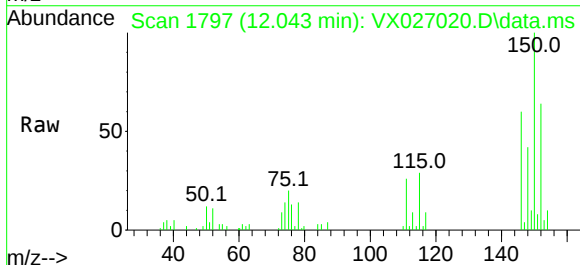
Tgt Ion:146 Resp: 3880
Ion Ratio Lower Upper
146 100
111 43.5 28.3 52.7
148 59.6 43.8 81.4

Manual Integrations
APPROVED

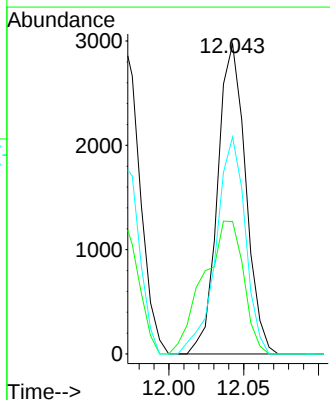
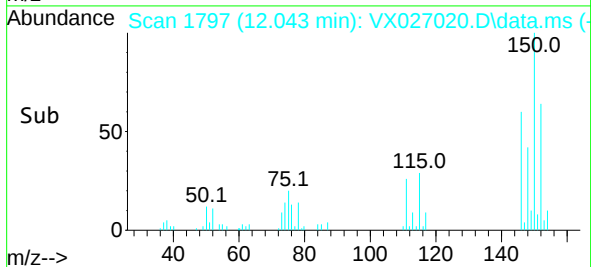
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

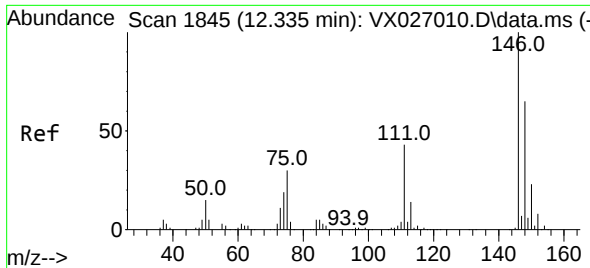


#65
1,4-Dichlorobenzene
Concen: 1.971 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



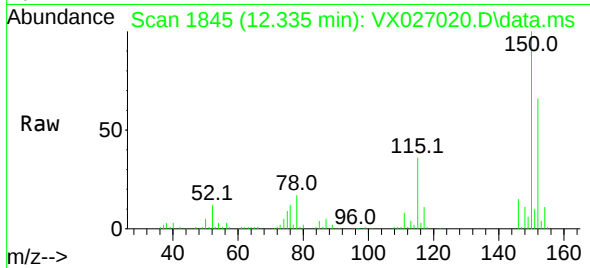
Tgt Ion:146 Resp: 3880
Ion Ratio Lower Upper
146 100
111 42.7 26.5 49.3
148 70.0 43.5 80.7





#67
1,2-Dichlorobenzene
Concen: 1.995 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

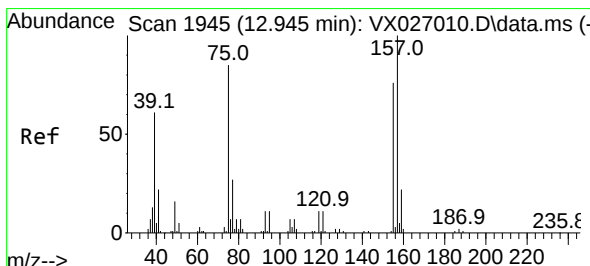
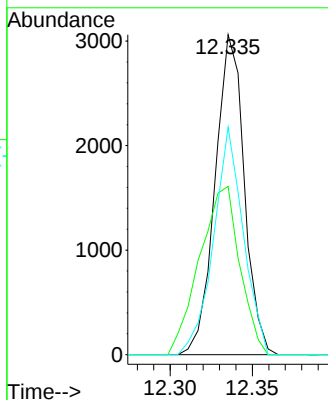
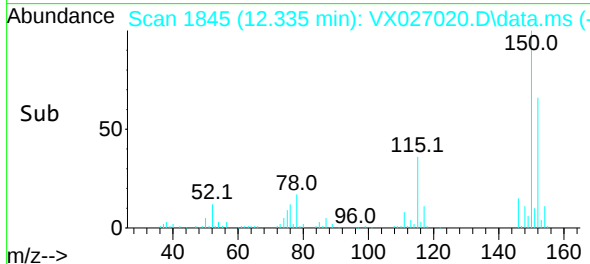
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



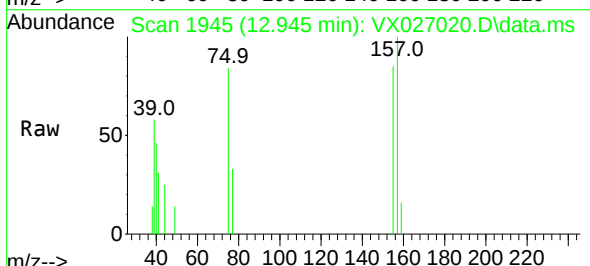
Tgt Ion:146 Resp: 377
Ion Ratio Lower Upper
146 100
111 52.6 34.5 51.7
148 71.1 51.9 77.9

Manual Integrations
APPROVED

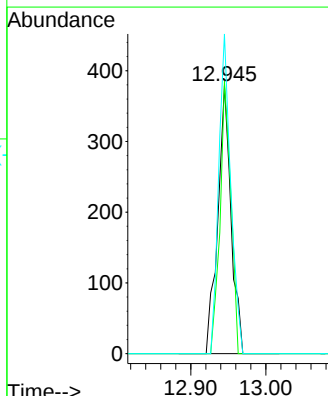
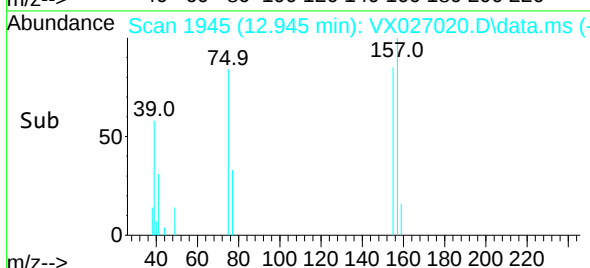
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

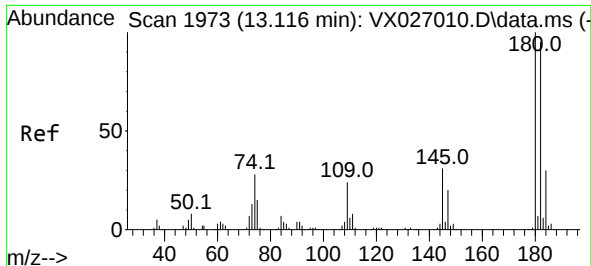


#68
1,2-Dibromo-3-chloropropane
Concen: 1.655 ug/L m
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



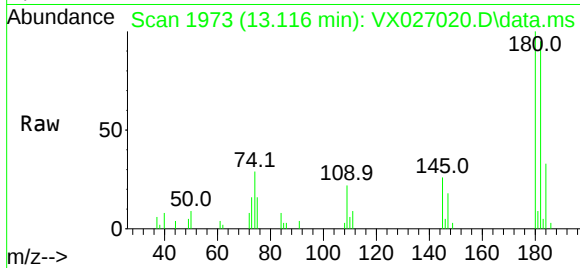
Tgt Ion: 75 Resp: 464
Ion Ratio Lower Upper
75 100
155 101.6 71.6 107.4
157 119.3 93.8 140.6





#69
1,3,5-Trichlorobenzene
Concen: 1.970 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00

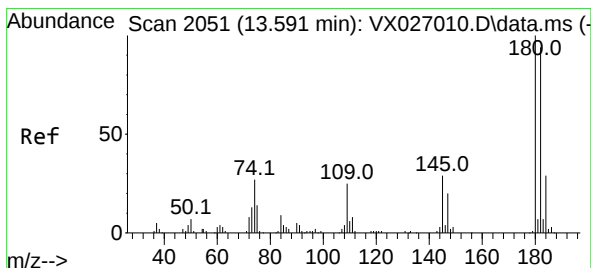
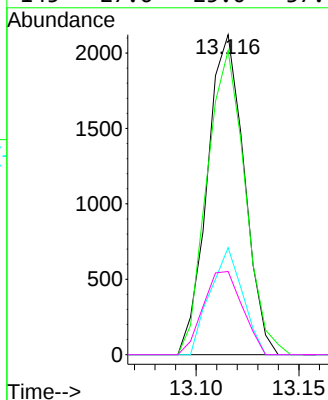
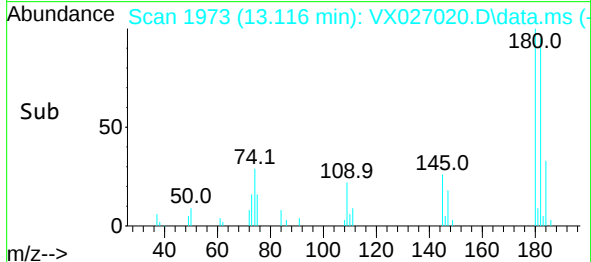
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-01



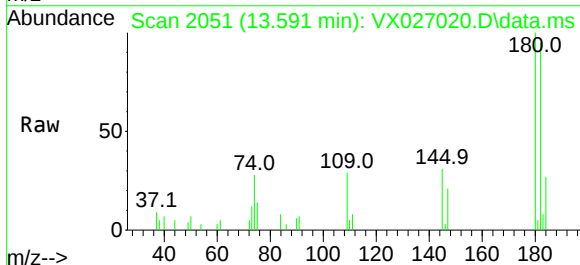
Tgt Ion:180 Resp: 2649
Ion Ratio Lower Upper
180 100
182 98.0 75.6 113.4
184 29.5 23.6 35.4
145 27.6 25.0 37.4

Manual Integrations
APPROVED

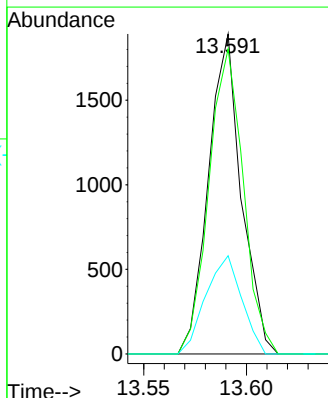
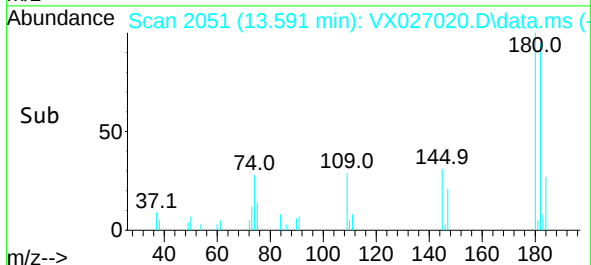
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

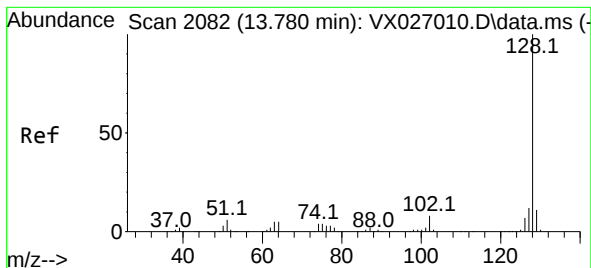


#70
1,2,4-trichlorobenzene
Concen: 1.779 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX027020.D
Acq: 14 Feb 2022 18:00



Tgt Ion:180 Resp: 2111
Ion Ratio Lower Upper
180 100
182 99.3 75.4 113.2
145 33.4 25.0 37.4





#71

Naphthalene

Concen: 1.660 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-01

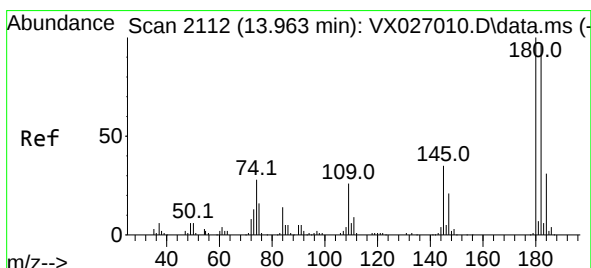
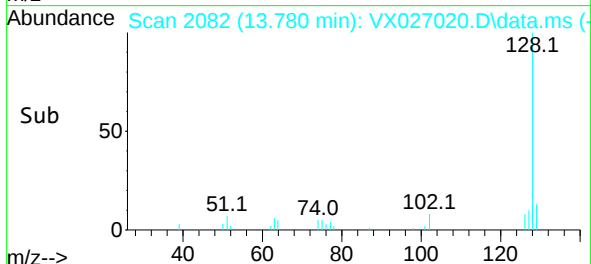
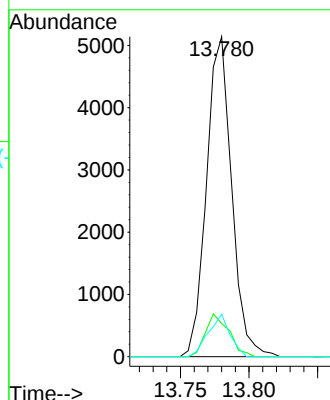
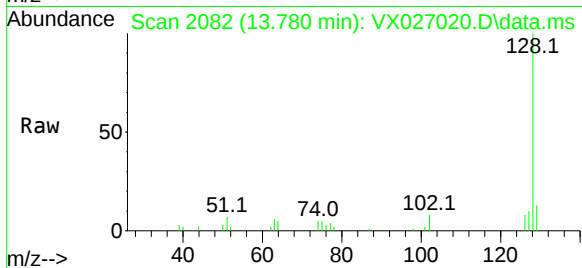
Tgt Ion:128	Resp:	656
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.2 15.2
129	11.5	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#72

1,2,3-Trichlorobenzene

Concen: 1.914 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX027020.D

Acq: 14 Feb 2022 18:00

Tgt Ion:180	Resp:	2271
Ion Ratio	Lower	Upper
180	100	
182	93.0	77.0 115.4
145	29.0	27.4 41.0

