

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
 Data File : VX027028.D
 Acq On : 15 Feb 2022 12:51
 Operator : JC/MD
 Sample : N1331-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 16 02:59:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 16 01:34:21 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/17/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	130061	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	122861	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	61714	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	43859	37.991	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.980%		
7) Chloroethane-d5	1.672	69	34451	46.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.020%		
11) 1,1-Dichloroethene-d2	2.312	63	72506	32.755	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.500%		
21) 2-Butanone-d5	4.452	46	71753	89.477	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.480%		
24) Chloroform-d	5.056	84	92247	42.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.100%		
26) 1,2-Dichloroethane-d4	5.958	65	61254	43.595	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.180%		
32) Benzene-d6	5.976	84	189479	42.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.620%		
36) 1,2-Dichloropropane-d6	7.305	67	57851	44.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.000%		
41) Toluene-d8	8.647	98	170631	42.136	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.280%		
43) trans-1,3-Dichloroprop...	8.951	79	23829	39.753	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.500%		
47) 2-Hexanone-d5	9.384	63	51844	91.213	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.210%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	73065	47.025	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.060%		
66) 1,2-Dichlorobenzene-d4	12.323	152	64665	46.128	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	3468	2.484	ug/L	98
3) Chloromethane	1.294	50	2770	2.521	ug/L	99
5) Vinyl chloride	1.380	62	2777	2.514	ug/L #	74
6) Bromomethane	1.617	94	1363	2.901	ug/L	97
8) Chloroethane	1.691	64	1576	2.639	ug/L	82
9) Trichlorofluoromethane	1.892	101	3692	2.403	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	3127	3.157	ug/L #	82
12) 1,1-Dichloroethene	2.325	96	2662	2.925	ug/L #	1
13) Acetone	2.380	43	3810	5.645	ug/L	96
14) Carbon disulfide	2.514	76	6305	2.339	ug/L	99
15) Methyl Acetate	2.703	43	2725	2.614	ug/L	100
16) Methylene chloride	2.794	84	2650	2.659	ug/L	91
17) trans-1,2-Dichloroethene	3.099	96	2363	2.454	ug/L	94
18) Methyl tert-butyl Ether	3.111	73	7000	2.369	ug/L	99
19) 1,1-Dichloroethane	3.611	63	4227	2.461	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2420	2.290	ug/L	96
22) 2-Butanone	4.562	43	4592	5.312	ug/L	94
23) Bromochloromethane	4.897	128	1398	2.591	ug/L	91
25) Chloroform	5.092	83	5881	3.201	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	3674	2.586	ug/L	99
29) Cyclohexane	5.477	56	3875	2.300	ug/L #	58
30) 1,1,1-Trichloroethane	5.391	97	3634	2.273	ug/L	97
31) Carbon tetrachloride	5.684	117	3189	2.249	ug/L	97
33) Benzene	6.037	78	9924	2.500	ug/L	100
34) Trichloroethene	7.123	95	2644	2.328	ug/L	97
35) Methylcyclohexane	7.379	83	4018	2.341	ug/L	98
37) 1,2-Dichloropropane	7.433	63	2420	2.424	ug/L #	92
38) Bromodichloromethane	7.824	83	3164	2.361	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	3437	2.297	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	6503	4.582	ug/L	98
42) Toluene	8.720	91	12627	2.963	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	3094	2.200	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	2305	2.361	ug/L	97
46) Tetrachloroethene	9.275	164	1936	2.303	ug/L	93
48) 2-Hexanone	9.433	43	6625	5.766	ug/L	94
49) Dibromochloromethane	9.518	129	2363	2.207	ug/L	97
50) 1,2-Dibromoethane	9.610	107	2489	2.429	ug/L #	96
51) Chlorobenzene	10.079	112	6534	2.394	ug/L	99
52) Ethylbenzene	10.195	91	10944	2.387	ug/L	98
53) m,p-Xylene	10.305	106	4155	2.299	ug/L	90
54) o-Xylene	10.640	106	4029	2.330	ug/L	94
55) Styrene	10.659	104	6584	2.248	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	3598	2.783	ug/L	96
59) Bromoform	10.805	173	1543	2.179	ug/L	95
60) Isopropylbenzene	10.963	105	10182	2.284	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2931	2.504	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	6896	2.242	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	8488	2.272	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4608	2.323	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	4930	2.470	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	5110	2.665	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.939	75	644m	2.266	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3179	2.332	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	2740	2.277	ug/L	97
71) Naphthalene	13.774	128	8279	2.066	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2679	2.227	ug/L	100

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

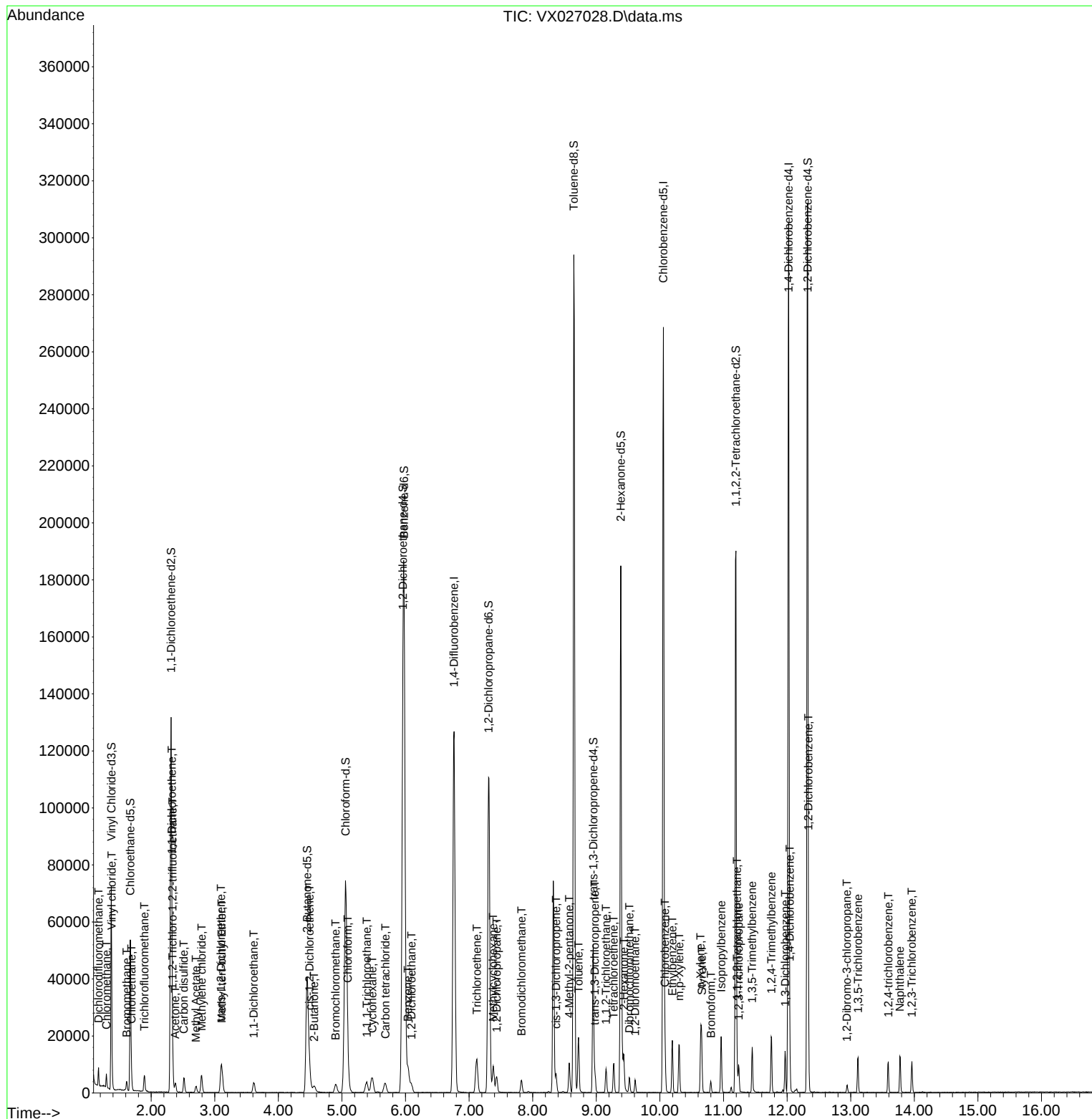
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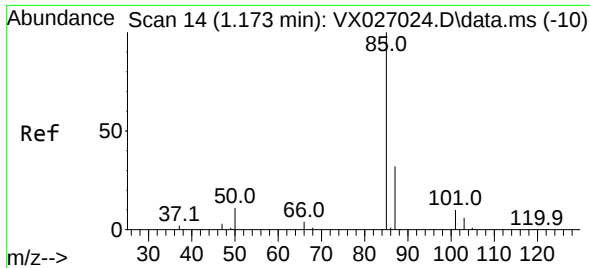
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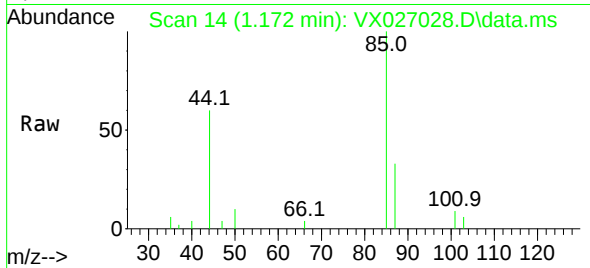
Reviewed By :John Carlone 02/16/2022
 Supervised By :Mahesh Dadoda 02/17/2022





#2
 Dichlorodifluoromethane
 Concen: 2.484 ug/L
 RT: 1.172 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VX027028.D
 Acq: 15 Feb 2022 12:51

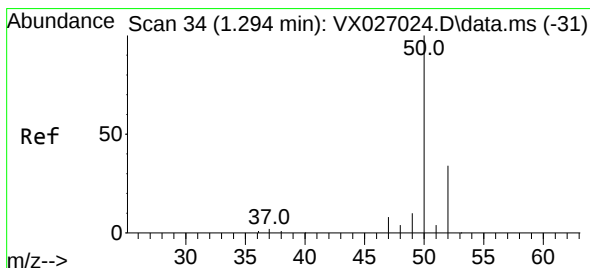
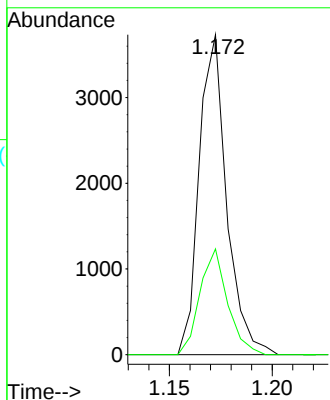
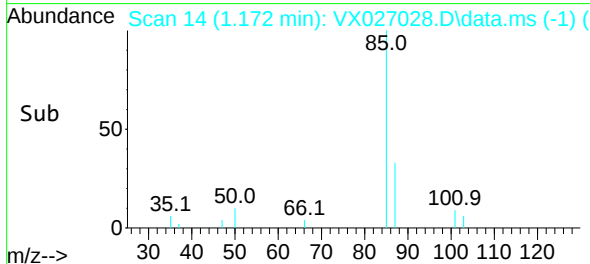
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2022-02



Tgt Ion: 85 Resp: 3468
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.9 38.9

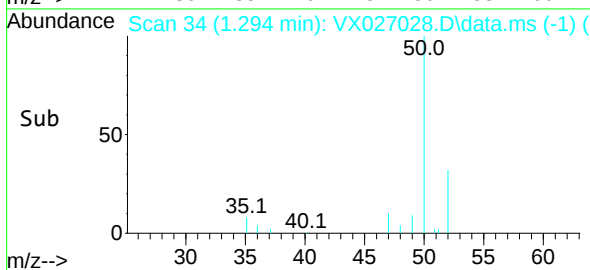
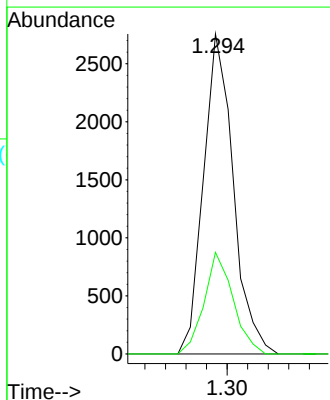
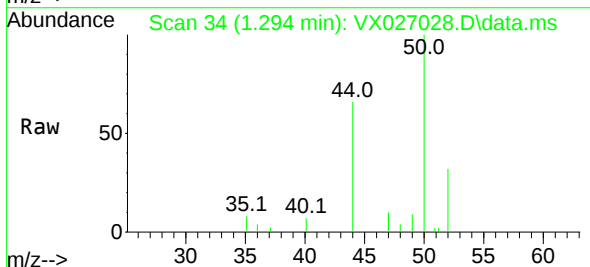
Manual Integrations
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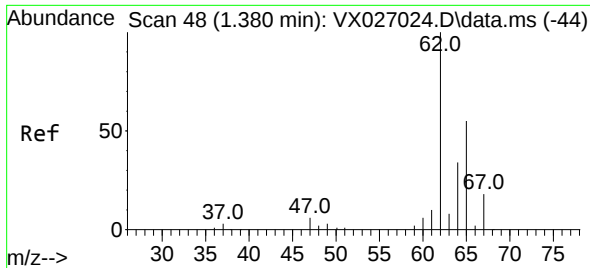
Reviewed By :John Carlone 02/16/2022
 Supervised By :Mahesh Dadoda 02/17/2022



#3
 Chloromethane
 Concen: 2.521 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX027028.D
 Acq: 15 Feb 2022 12:51

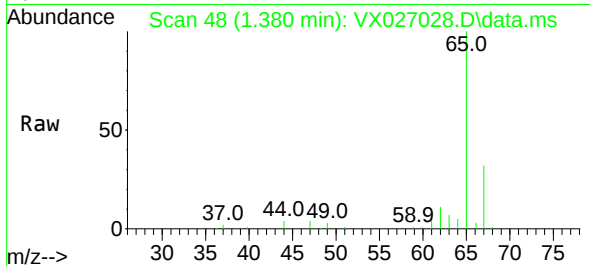
Tgt Ion: 50 Resp: 2770
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.5 41.7





#5
 Vinyl chloride
 Concen: 2.514 ug/L
 RT: 1.380 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: VX027028.D
 Acq: 15 Feb 2022 12:51

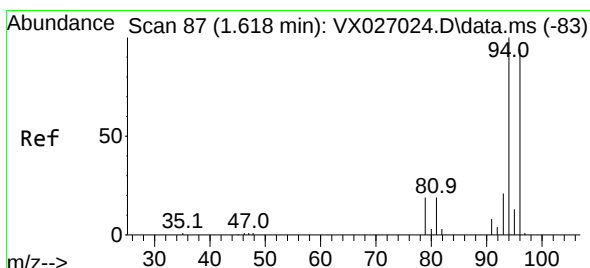
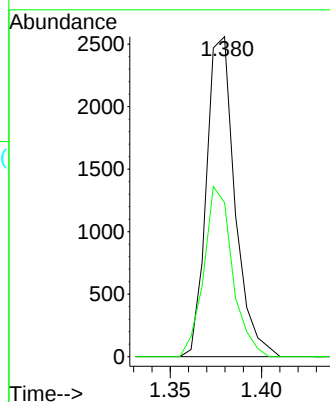
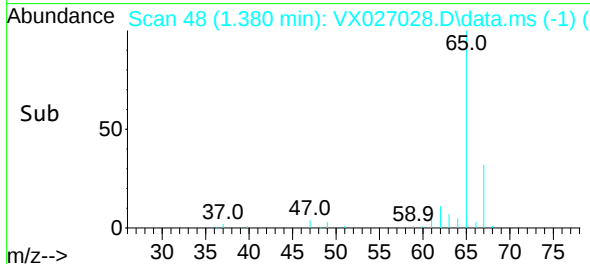
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2022-02



Tgt Ion: 62 Resp: 277
 Ion Ratio Lower Upper
 62 100
 64 48.1 23.3 43.3

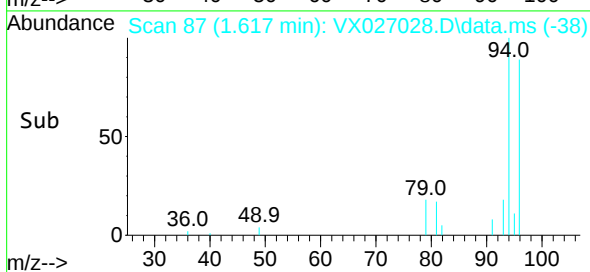
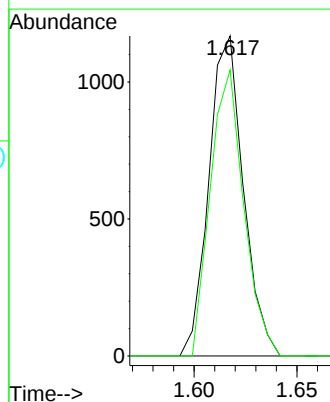
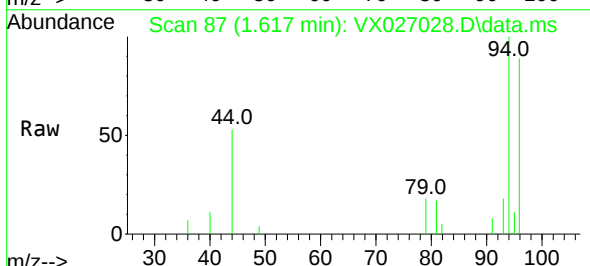
Manual Integrations
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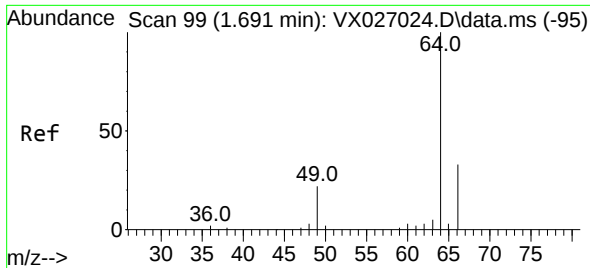
Reviewed By :John Carlone 02/16/2022
 Supervised By :Mahesh Dadoda 02/17/2022



#6
 Bromomethane
 Concen: 2.901 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX027028.D
 Acq: 15 Feb 2022 12:51

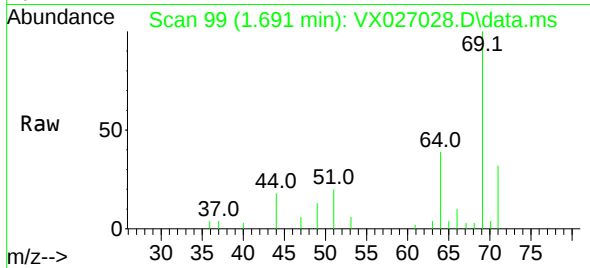
Tgt Ion: 94 Resp: 1363
 Ion Ratio Lower Upper
 94 100
 96 89.4 64.9 120.5





#8
Chloroethane
Concen: 2.639 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

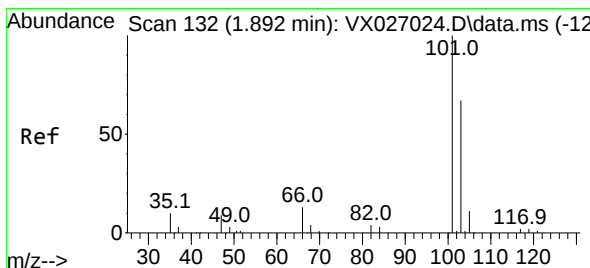
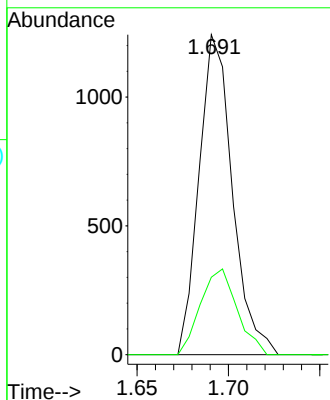
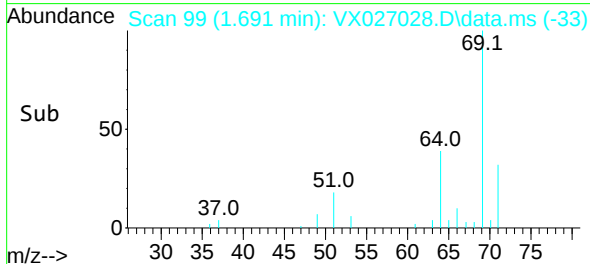
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-02



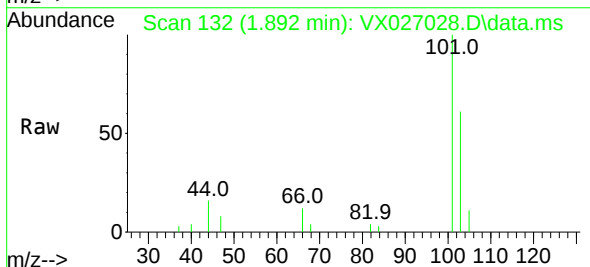
Tgt Ion: 64 Resp: 1570
Ion Ratio Lower Upper
64 100
66 24.2 24.2 45.0

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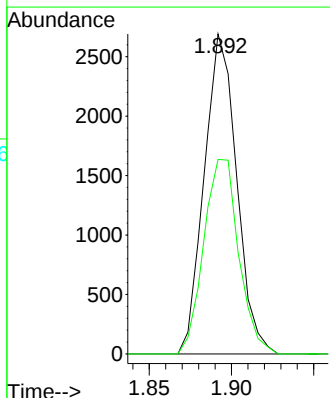
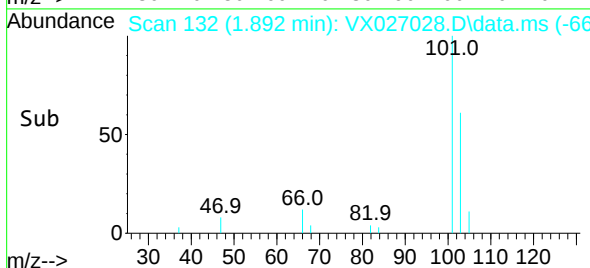
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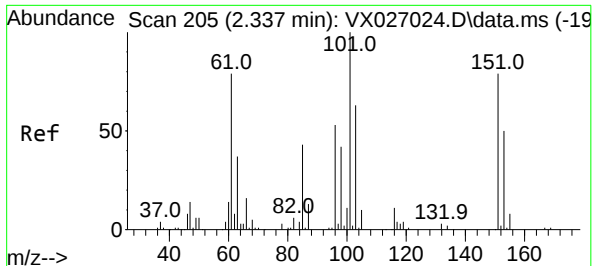


#9
Trichlorofluoromethane
Concen: 2.403 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



Tgt Ion:101 Resp: 3692
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8





#10

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

Concen: 3.157 ug/L

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

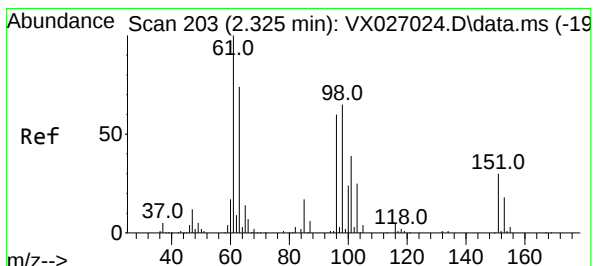
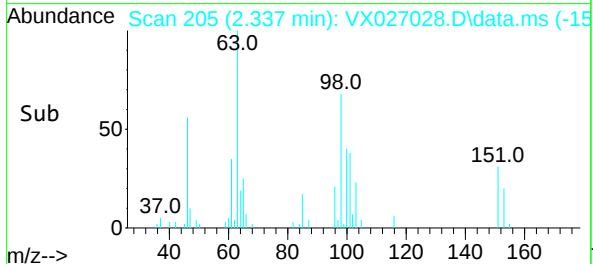
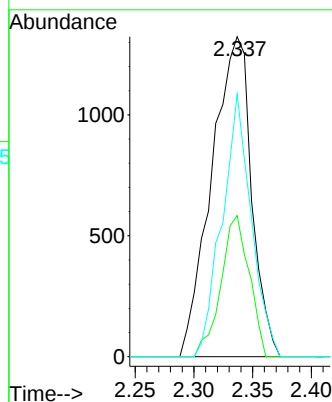
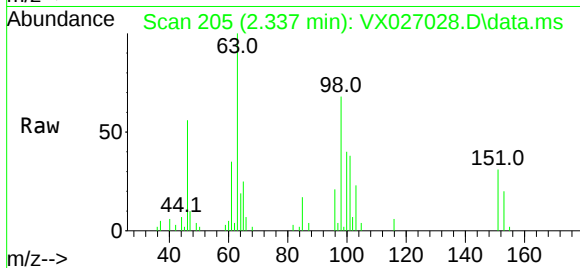
Tgt Ion:	101	Resp:	312
Ion Ratio	Lower	Upper	
101	100		
85	31.3	33.9	50.9
151	60.2	60.7	91.1

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.925 ug/L

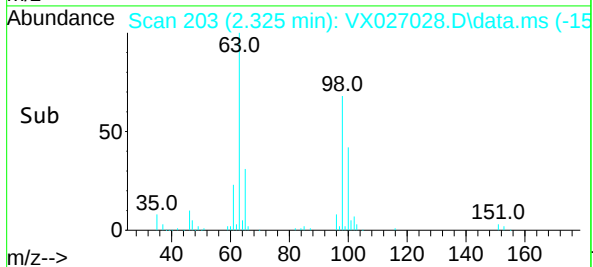
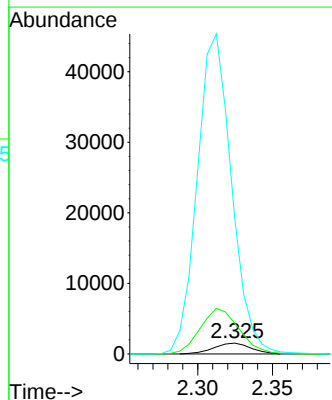
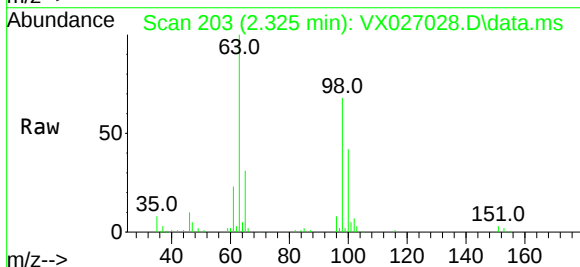
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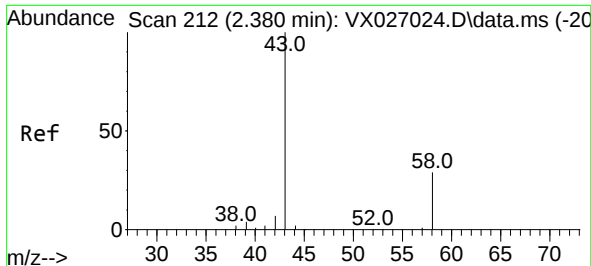
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

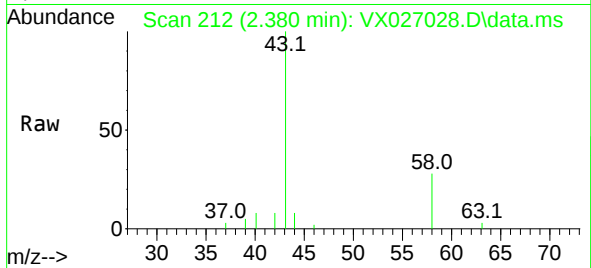
Tgt Ion:	96	Resp:	2662
Ion Ratio	Lower	Upper	
96	100		
61	283.4	118.2	219.4#
63	1258.3	109.6	203.4#





#13
Acetone
Concen: 5.645 ug/L
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027028.D
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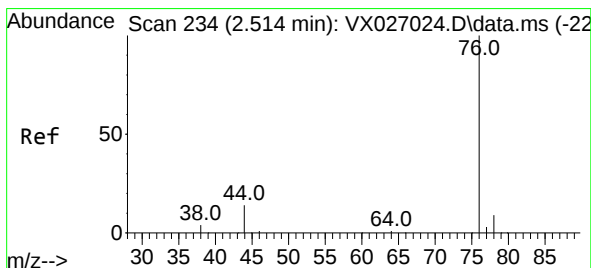
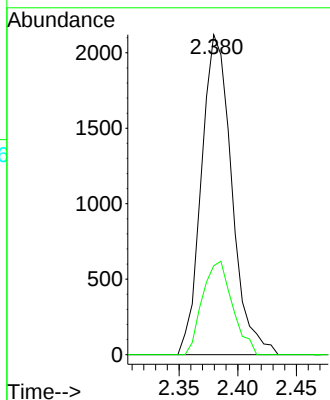
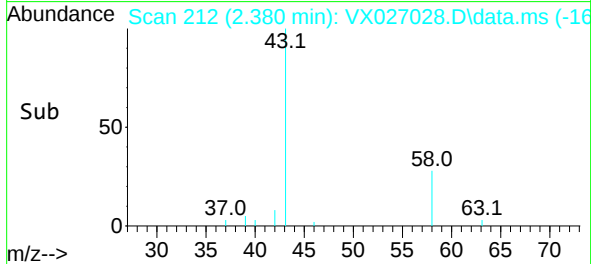
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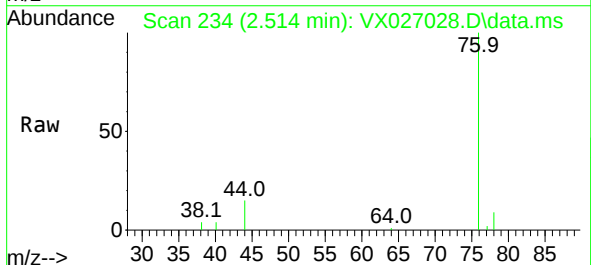
Tgt Ion: 43 Resp: 3810
Ion Ratio Lower Upper
43 100
58 28.8 0.0 61.4

Manual Integrations
APPROVED

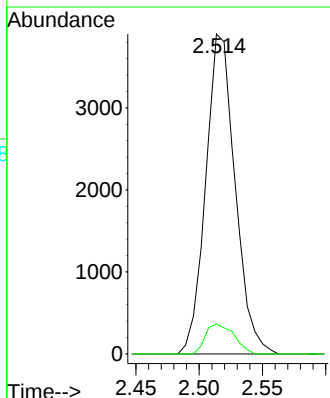
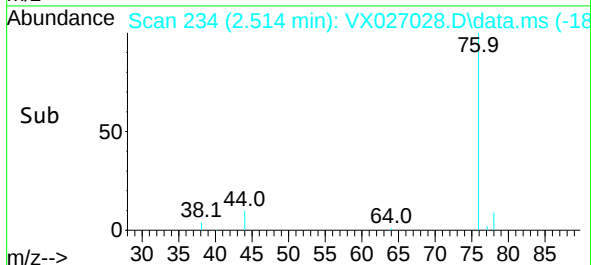
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

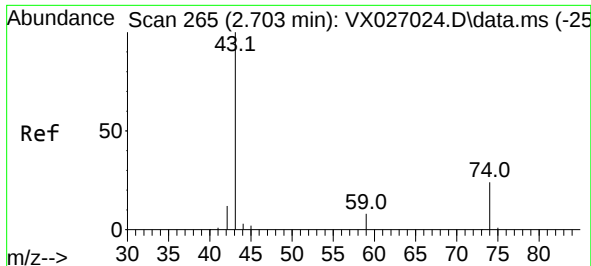


#14
Carbon disulfide
Concen: 2.339 ug/L
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



Tgt Ion: 76 Resp: 6305
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7





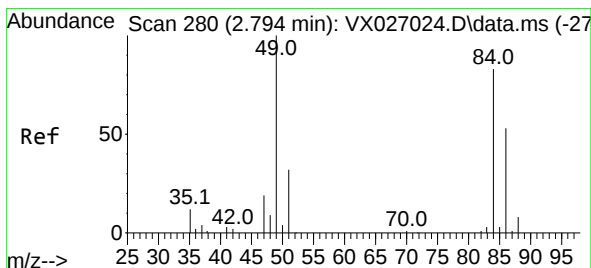
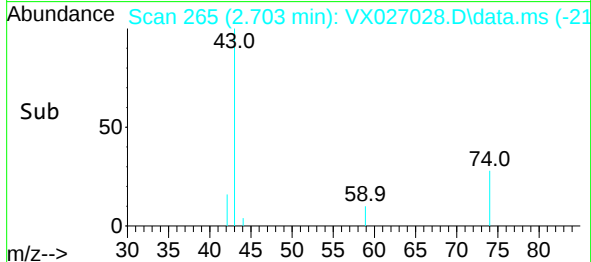
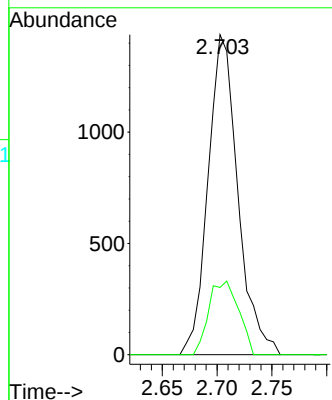
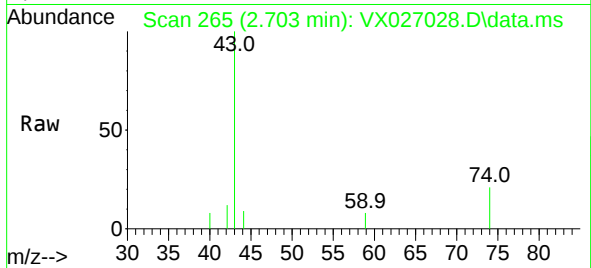
#15
Methyl Acetate
Concen: 2.614 ug/L
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

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

Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4

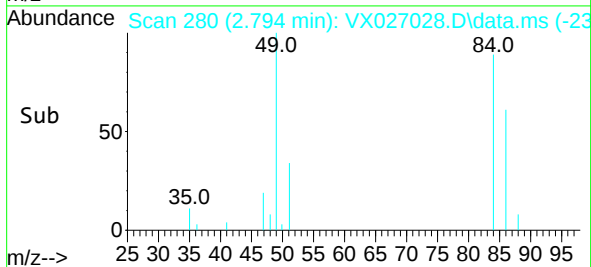
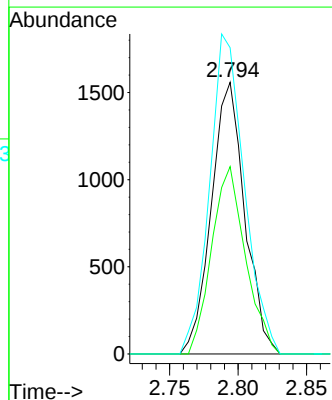
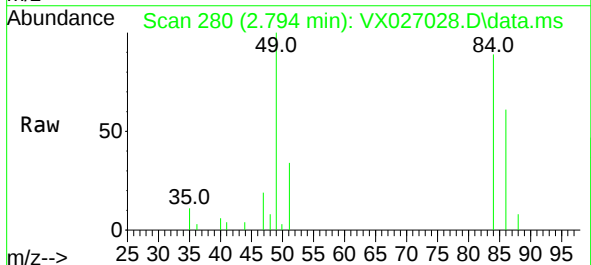
Manual Integrations
APPROVED

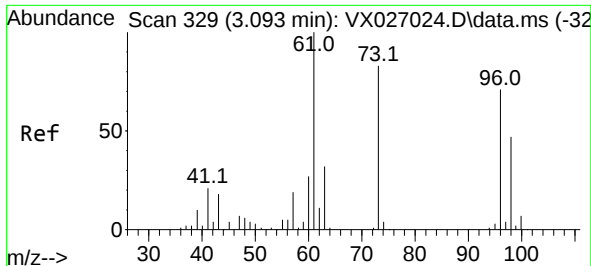
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#16
Methylene chloride
Concen: 2.659 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

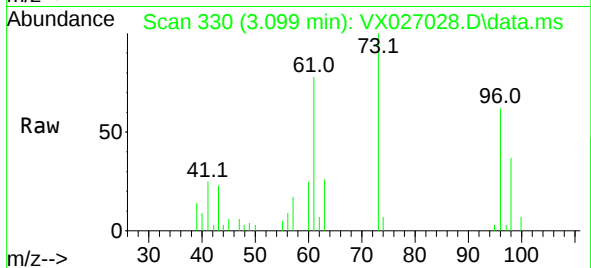
Tgt Ion: 84 Resp: 2650
Ion Ratio Lower Upper
84 100
86 69.0 44.8 83.2
49 112.7 87.0 161.6





#17
trans-1,2-Dichloroethene
Concen: 2.454 ug/L
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

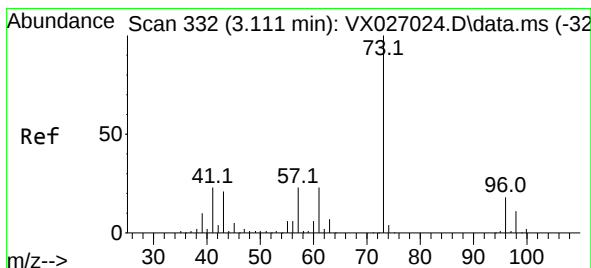
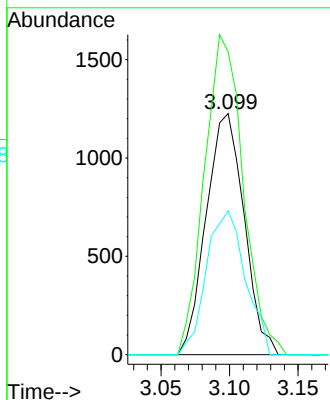
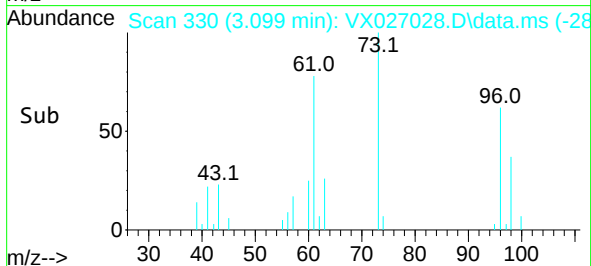
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 96 Resp: 236
Ion Ratio Lower Upper
96 100
61 125.6 93.0 172.6
98 59.6 44.3 82.3

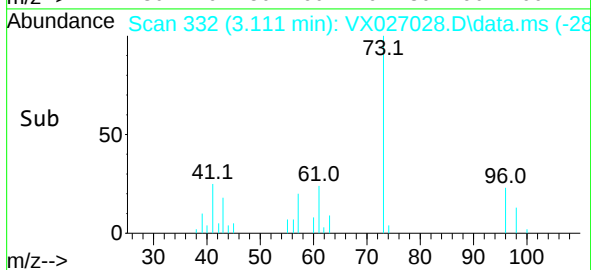
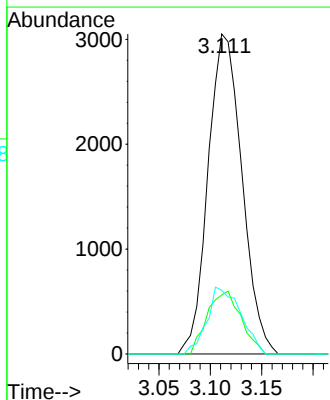
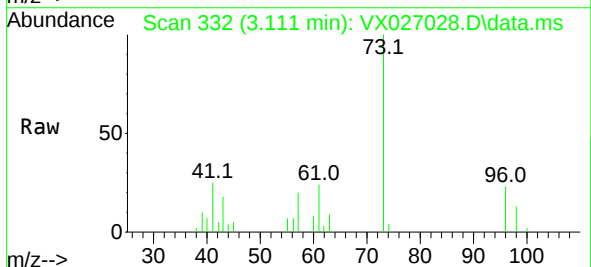
Manual Integrations
APPROVED

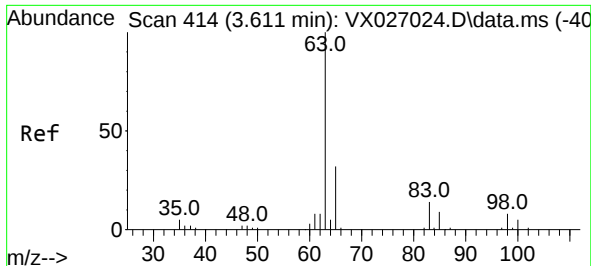
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#18
Methyl tert-butyl Ether
Concen: 2.369 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion: 73 Resp: 7000
Ion Ratio Lower Upper
73 100
43 19.6 16.2 24.4
57 20.8 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.461 ug/L

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

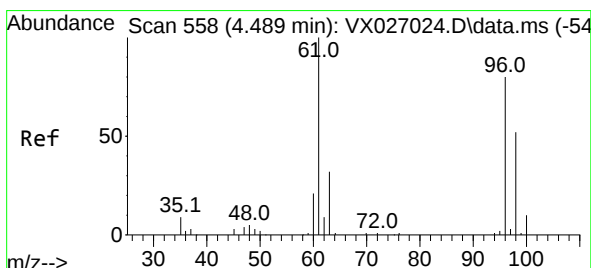
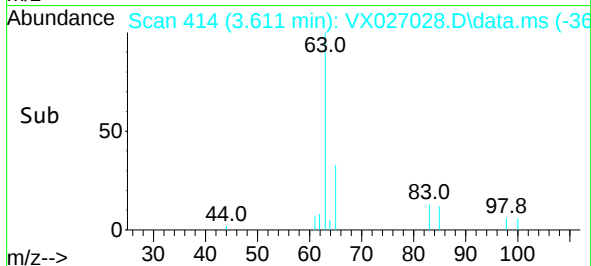
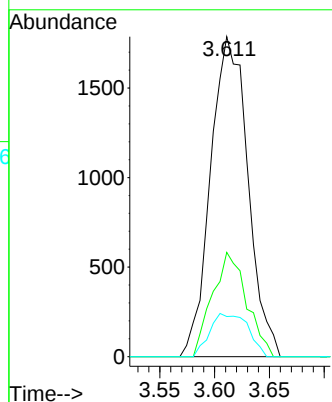
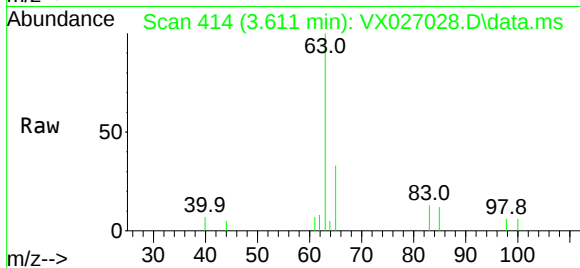
ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 63	Resp: 422
Ion Ratio	Lower Upper
63 100	
65 32.6	22.9 42.5
83 12.5	10.1 18.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#20

cis-1,2-Dichloroethene

Concen: 2.290 ug/L

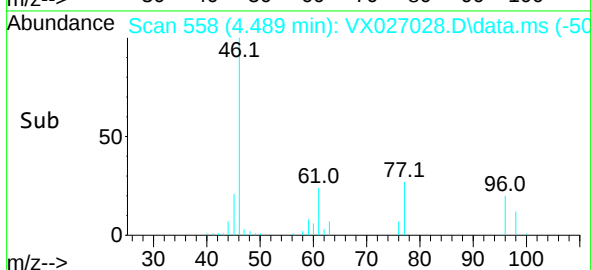
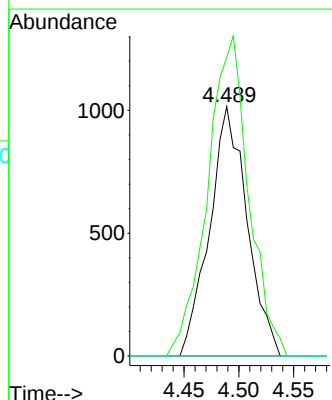
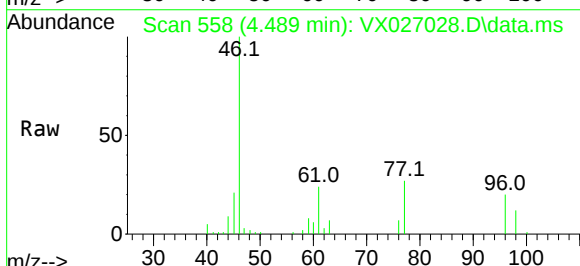
RT: 4.489 min Scan# 558

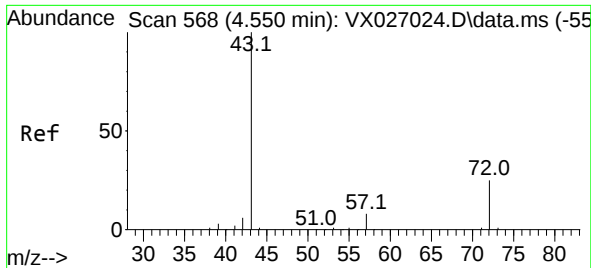
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

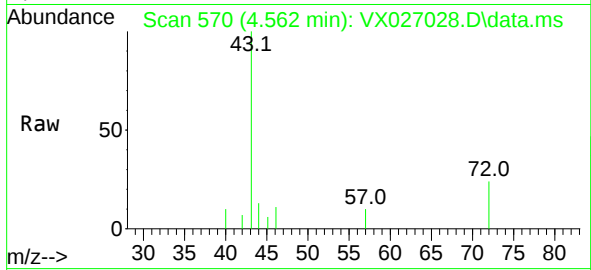
Tgt Ion: 96	Resp: 2420
Ion Ratio	Lower Upper
96 100	
61 119.9	86.7 161.1
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 5.312 ug/L
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

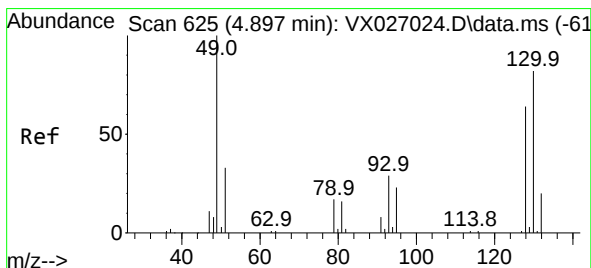
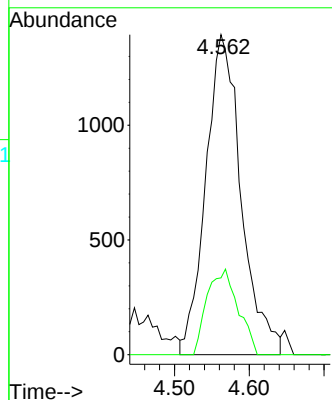
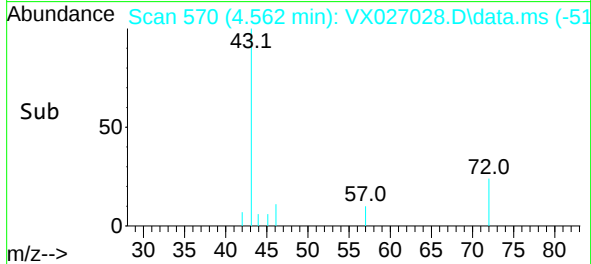
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
72 23.3 13.2 39.5

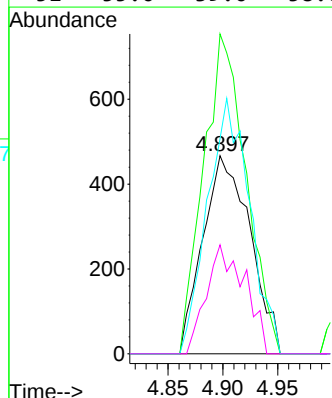
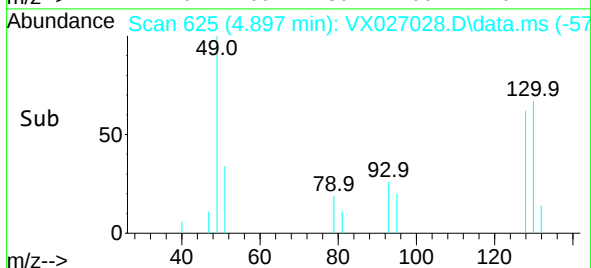
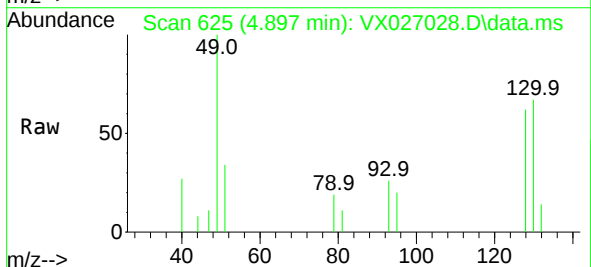
Manual Integrations
APPROVED

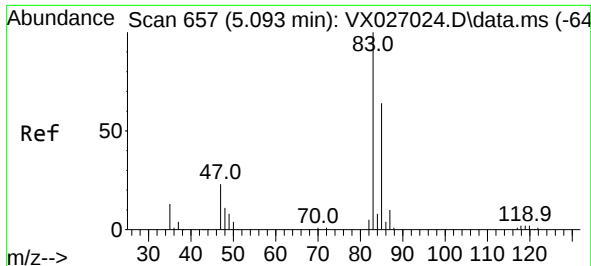
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#23
Bromochloromethane
Concen: 2.591 ug/L
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion:128 Resp: 1398
Ion Ratio Lower Upper
128 100
49 161.5 110.2 204.6
130 108.6 88.2 163.8
51 55.0 39.0 58.6





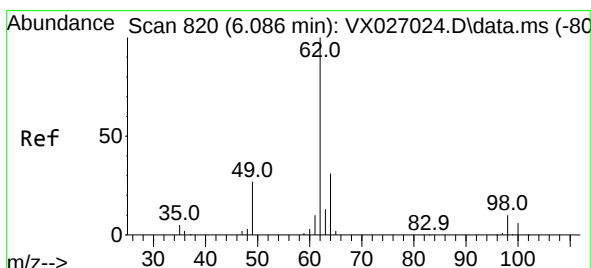
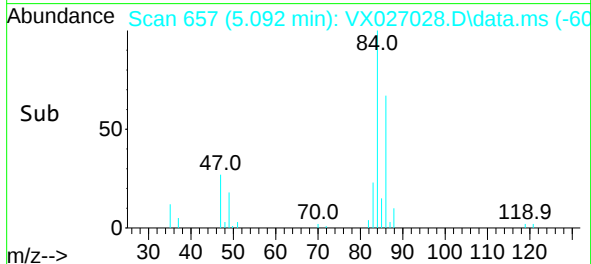
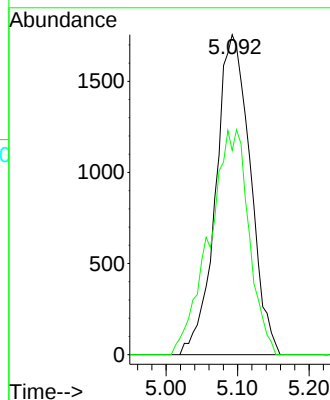
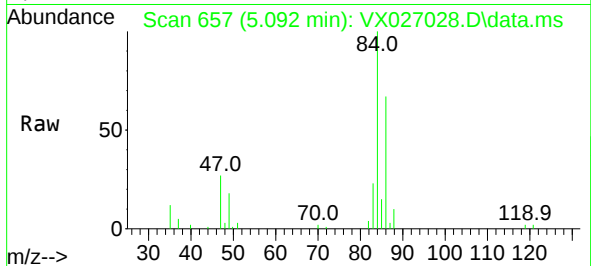
#25
Chloroform
Concen: 3.201 ug/L
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

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

Tgt Ion: 83 Resp: 588
Ion Ratio Lower Upper
83 100
85 63.8 44.2 82.2

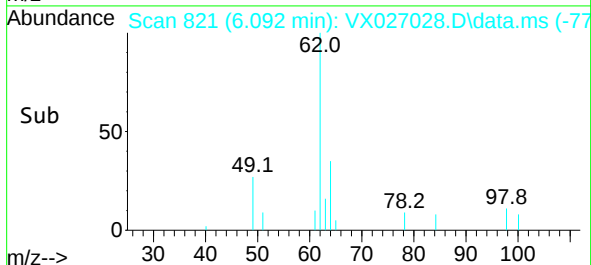
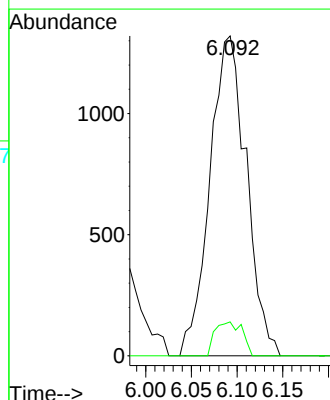
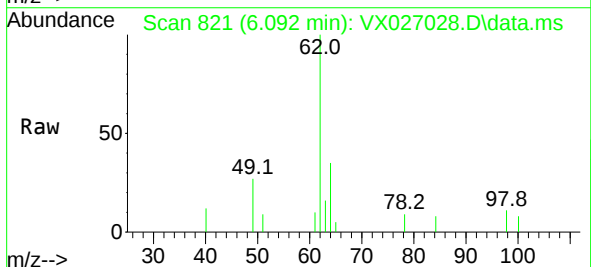
Manual Integrations
APPROVED

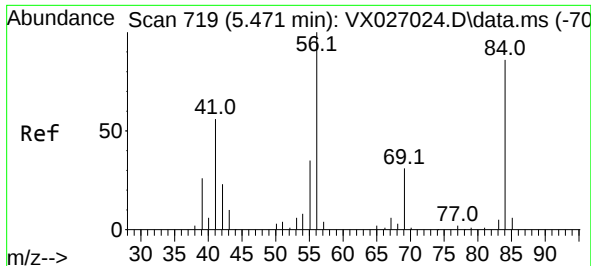
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#27
1,2-Dichloroethane
Concen: 2.586 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

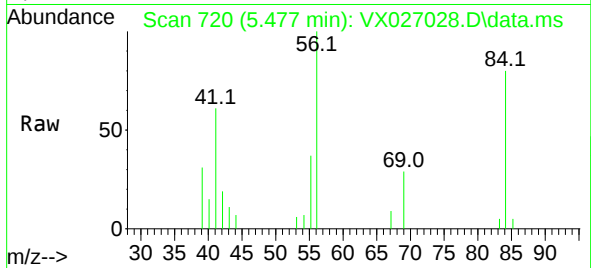
Tgt Ion: 62 Resp: 3674
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2





#29
Cyclohexane
Concen: 2.300 ug/L
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

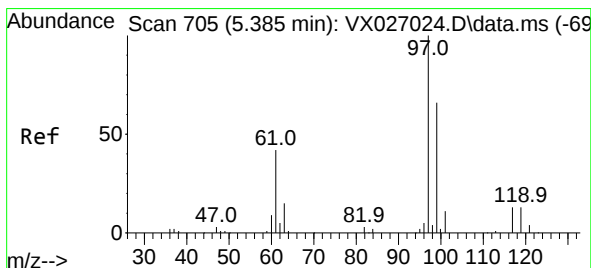
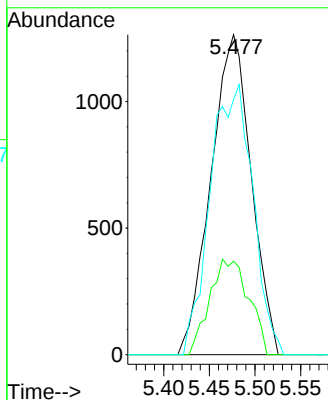
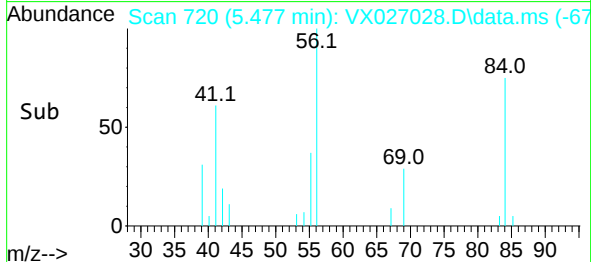
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



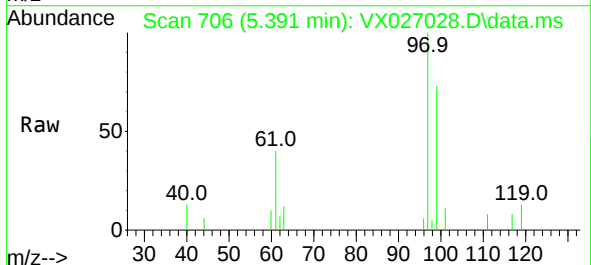
Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
69 15.1 24.6 36.8
84 43.5 69.8 104.8

Manual Integrations
APPROVED

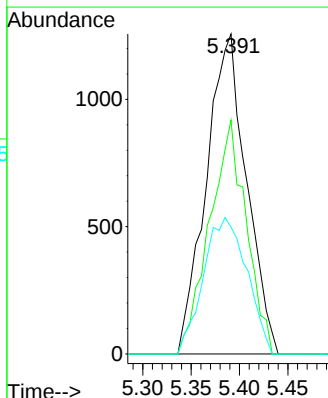
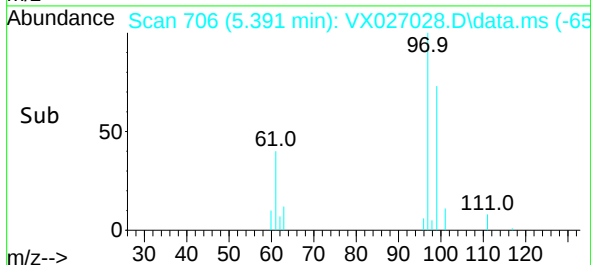
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

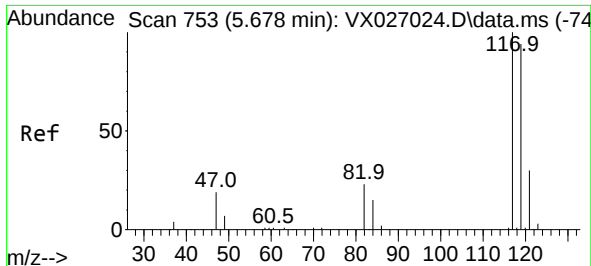


#30
1,1,1-Trichloroethane
Concen: 2.273 ug/L
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



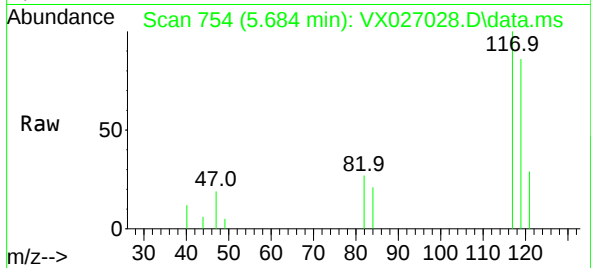
Tgt Ion: 97 Resp: 3634
Ion Ratio Lower Upper
97 100
99 66.5 51.5 77.3
61 46.0 35.2 52.8





#31
Carbon tetrachloride
Concen: 2.249 ug/L
RT: 5.684 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

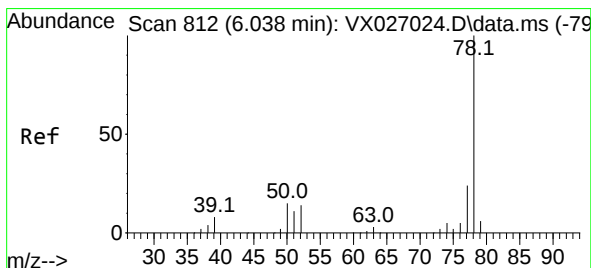
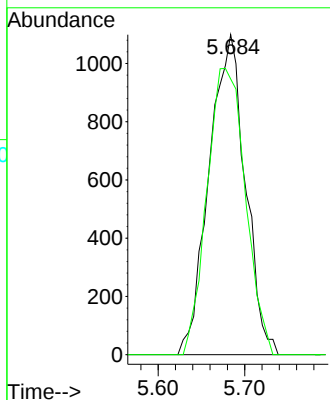
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion:117 Resp: 3189
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8

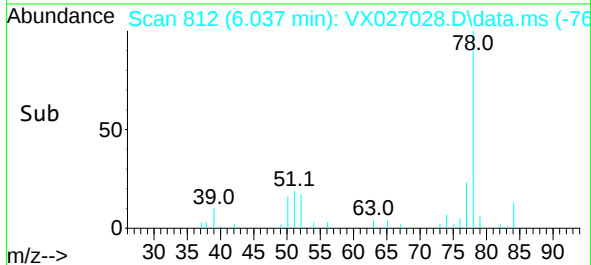
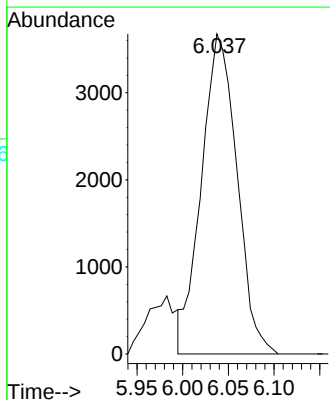
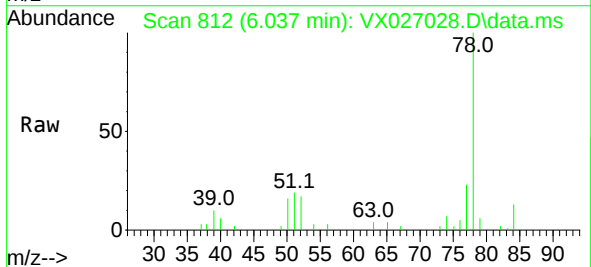
Manual Integrations
APPROVED

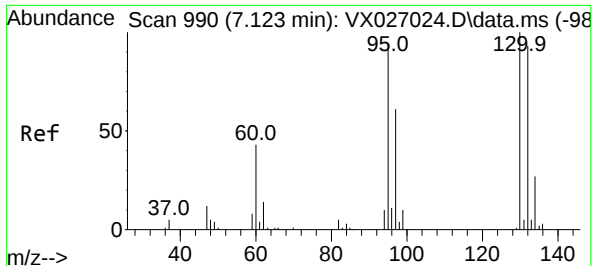
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#33
Benzene
Concen: 2.500 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion: 78 Resp: 9924





#34

Trichloroethene

Concen: 2.328 ug/L

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX027028.D

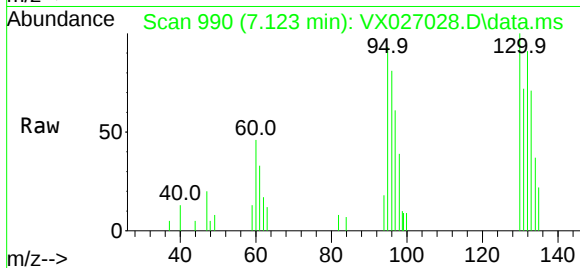
Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02



Tgt Ion: 95 Resp: 2644

Ion Ratio Lower Upper

95 100

97 65.3 45.5 84.5

132 97.0 69.9 129.7

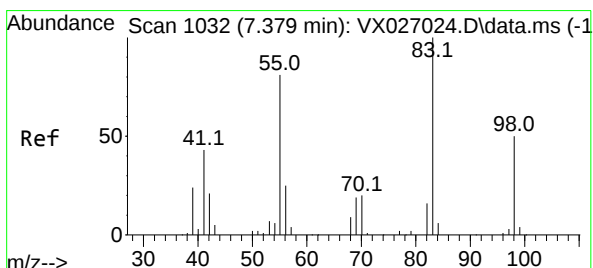
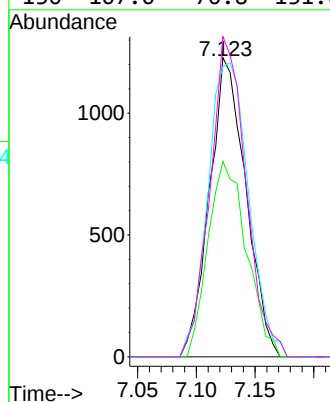
130 107.0 70.8 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#35

Methylcyclohexane

Concen: 2.341 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

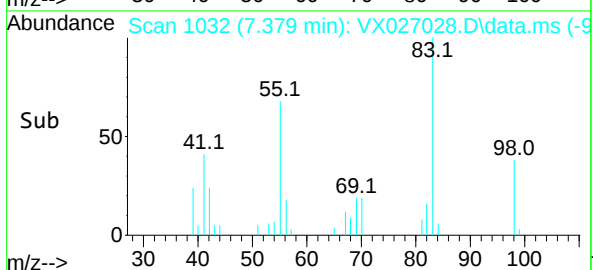
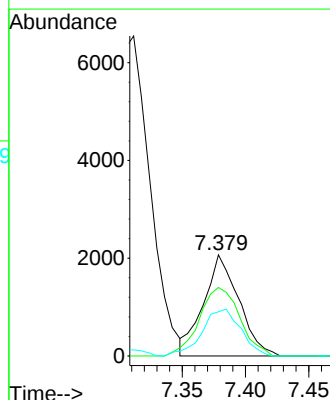
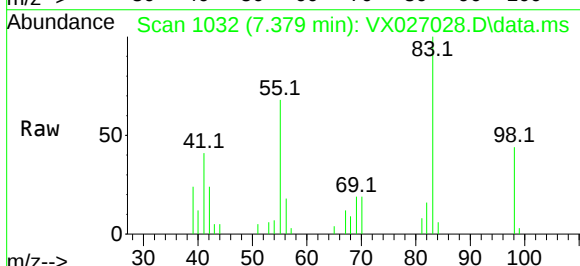
Tgt Ion: 83 Resp: 4018

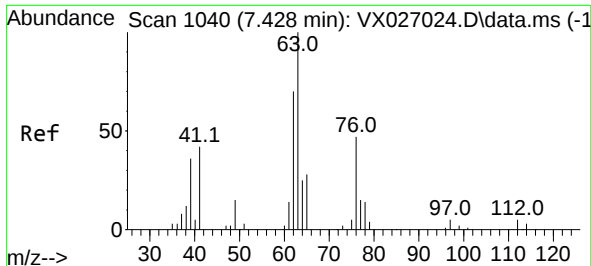
Ion Ratio Lower Upper

83 100

55 77.6 60.6 90.8

98 50.7 39.8 59.8





#37

1,2-Dichloropropane

Concen: 2.424 ug/L

RT: 7.433 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

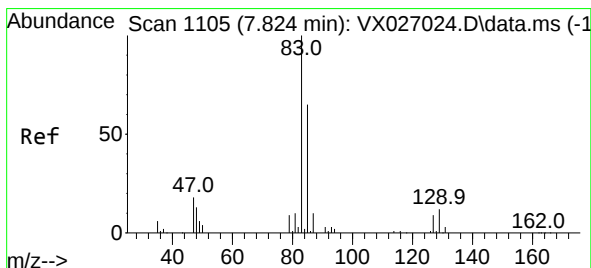
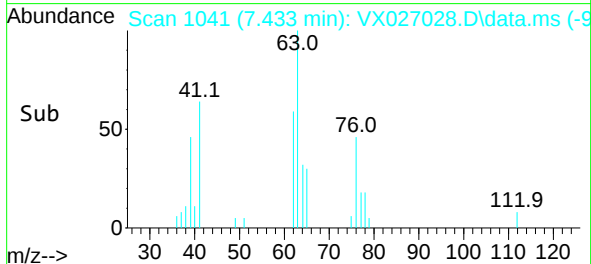
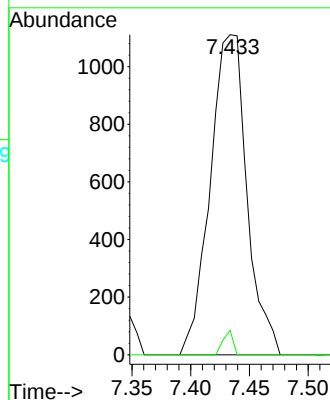
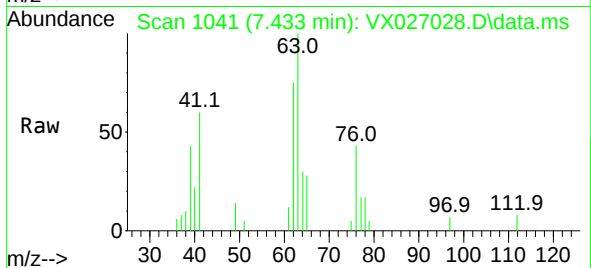
Tgt Ion: 63 Resp: 2420
 Ion Ratio Lower Upper
 63 100
 112 2.1 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#38

Bromodichloromethane

Concen: 2.361 ug/L

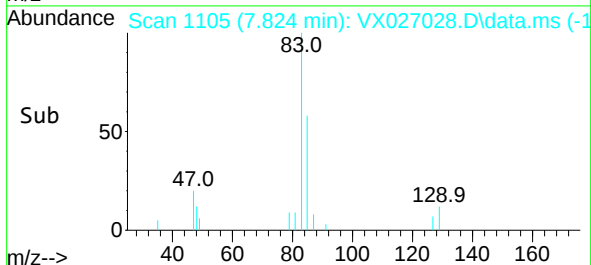
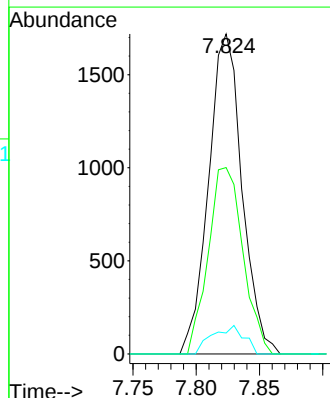
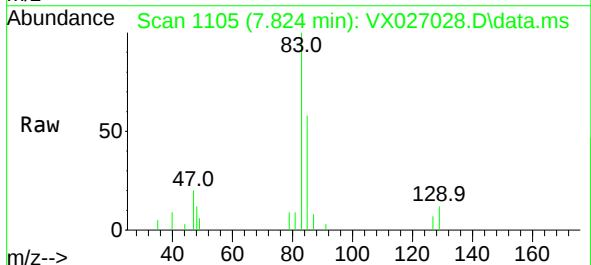
RT: 7.824 min Scan# 1105

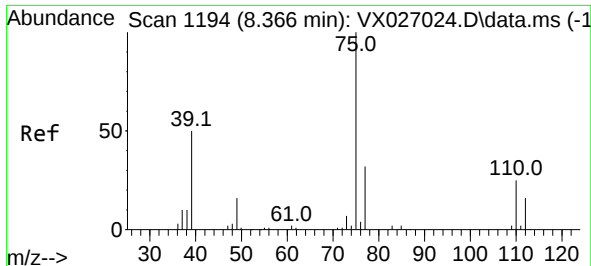
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Tgt Ion: 83 Resp: 3164
 Ion Ratio Lower Upper
 83 100
 85 58.2 44.7 83.1
 127 6.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 2.297 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 75 Resp: 343

Ion Ratio Lower Upper

75 100

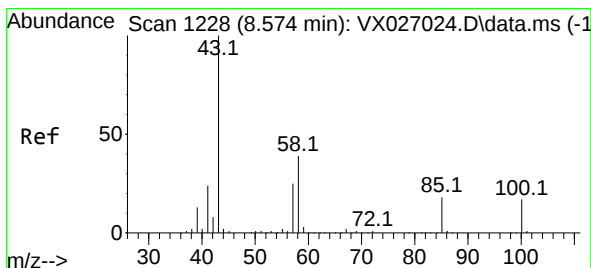
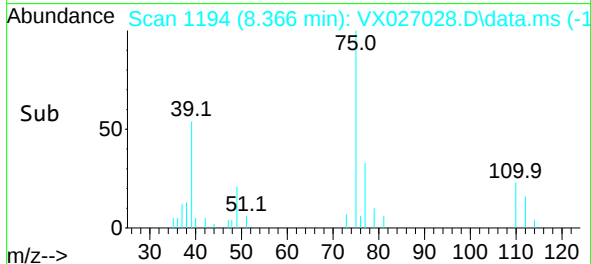
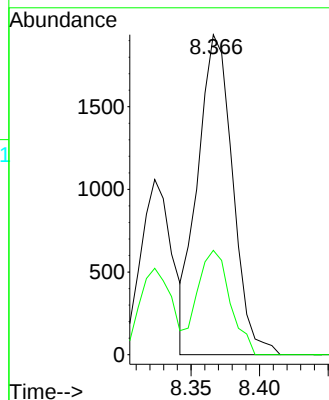
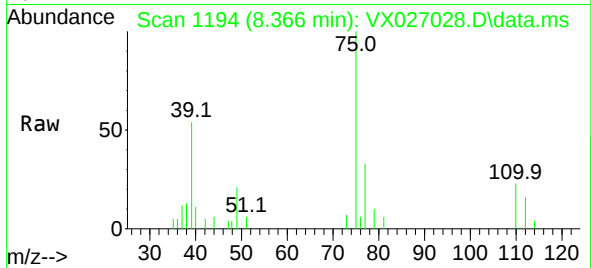
77 32.6 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#40

4-Methyl-2-pentanone

Concen: 4.582 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

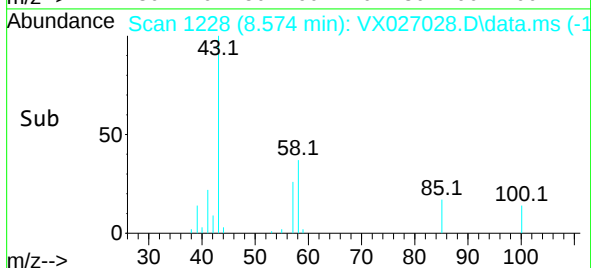
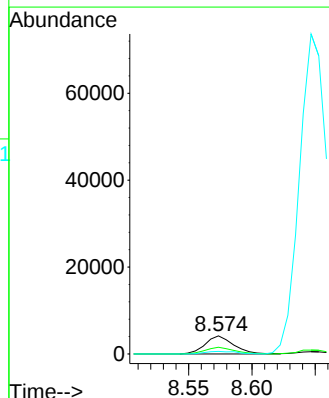
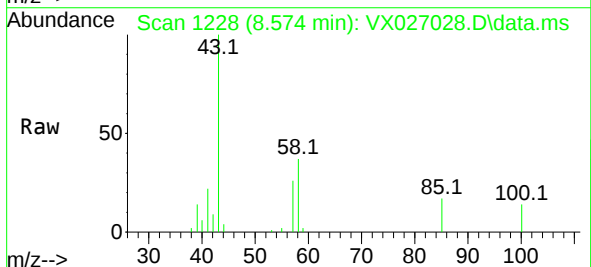
Tgt Ion: 43 Resp: 6503

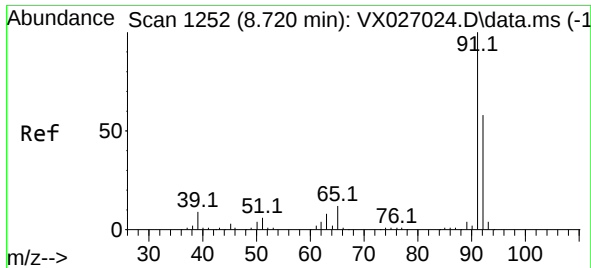
Ion Ratio Lower Upper

43 100

58 37.2 31.0 46.6

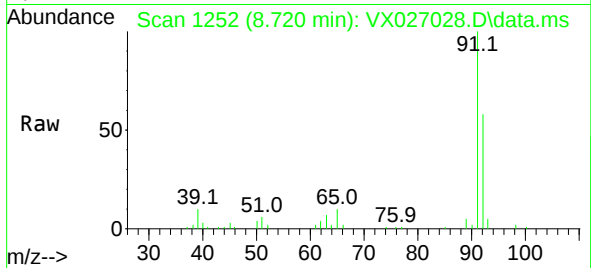
100 15.8 13.0 19.4





#42
Toluene
Concen: 2.963 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

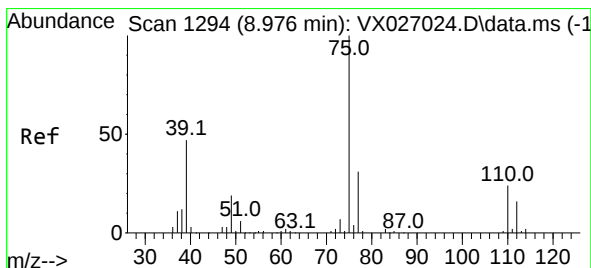
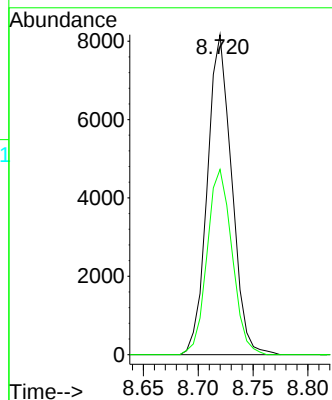
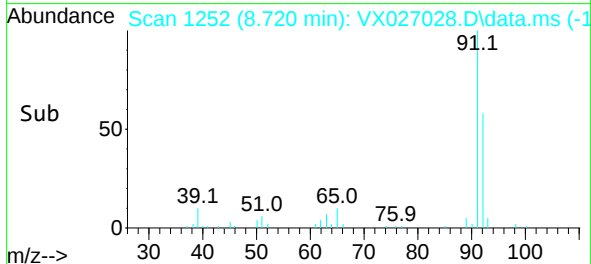
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-02



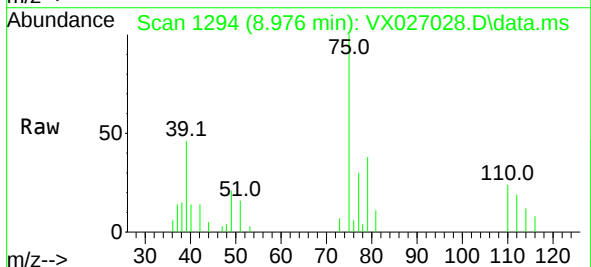
Tgt Ion: 91 Resp: 1262
Ion Ratio Lower Upper
91 100
92 57.9 41.5 77.1

Manual Integrations
APPROVED

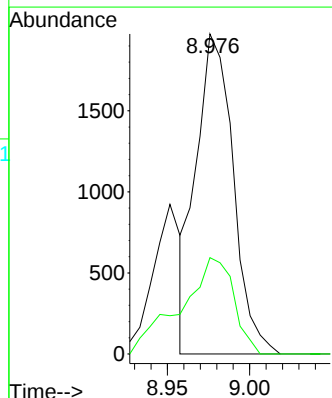
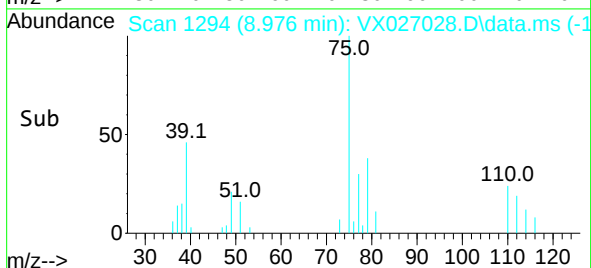
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

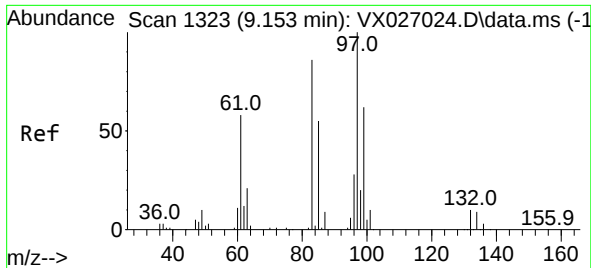


#44
trans-1,3-Dichloropropene
Concen: 2.200 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



Tgt Ion: 75 Resp: 3094
Ion Ratio Lower Upper
75 100
77 30.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 2.361 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

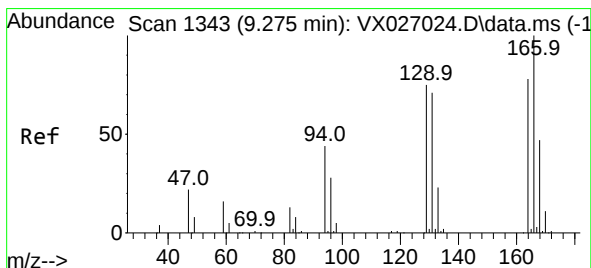
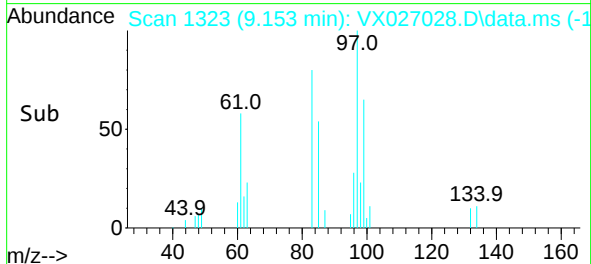
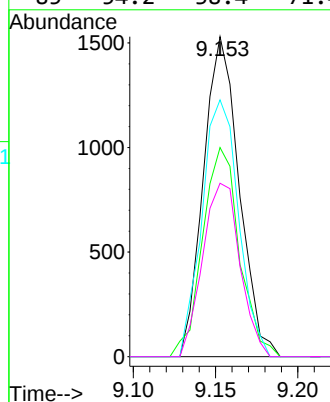
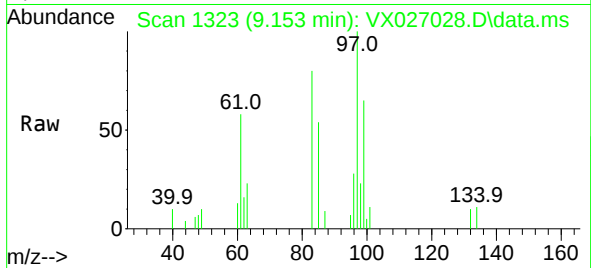
Tgt Ion: 97	Resp: 230
Ion Ratio	Lower Upper
97 100	
99 65.4	43.3 80.5
83 80.3	57.5 106.9
85 54.2	38.4 71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#46

Tetrachloroethene

Concen: 2.303 ug/L

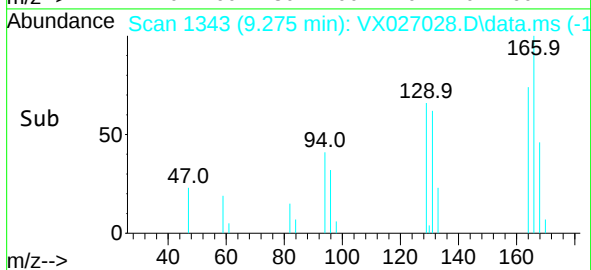
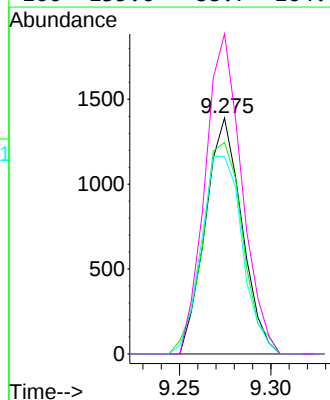
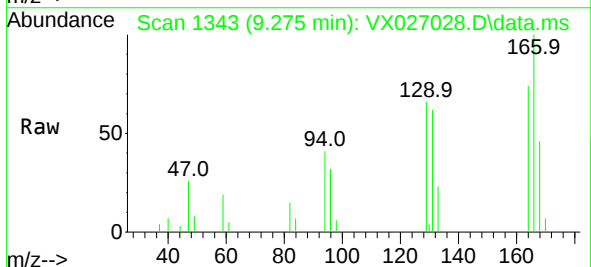
RT: 9.275 min Scan# 1343

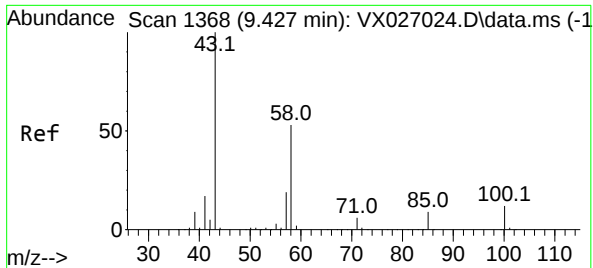
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

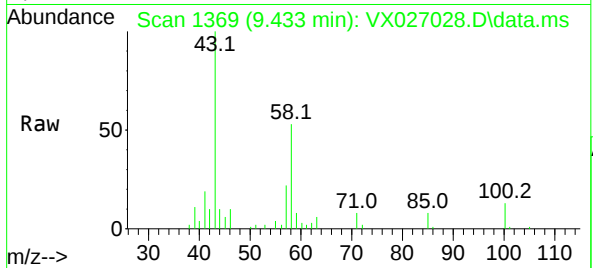
Tgt Ion: 164	Resp: 1936
Ion Ratio	Lower Upper
164 100	
129 89.6	65.5 121.7
131 83.7	64.3 119.3
166 135.6	88.7 164.7





#48
2-Hexanone
Concen: 5.766 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

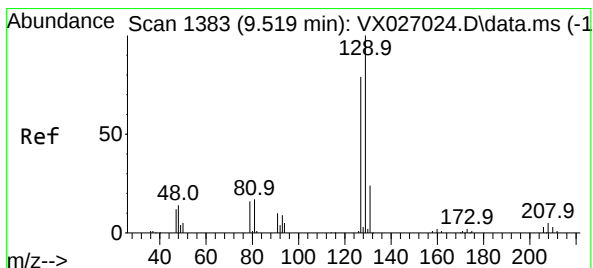
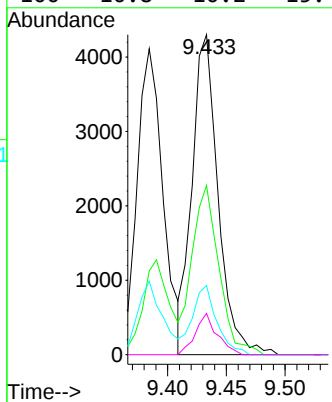
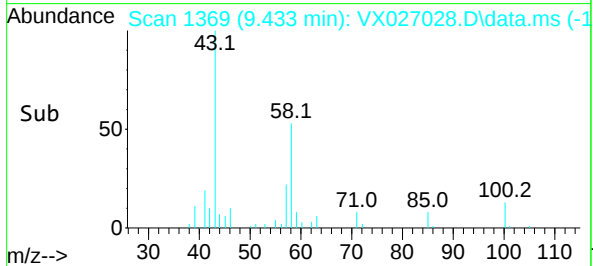
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 48.7 42.9 64.3
57 20.5 15.3 22.9
100 10.8 10.2 15.4

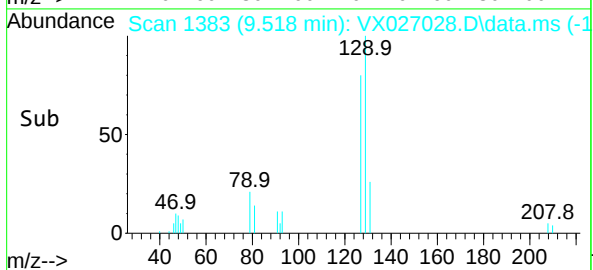
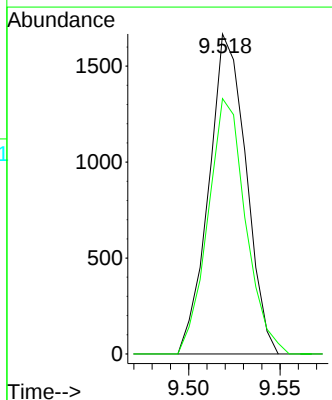
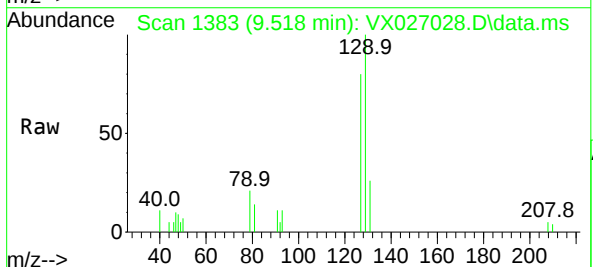
Manual Integrations
APPROVED

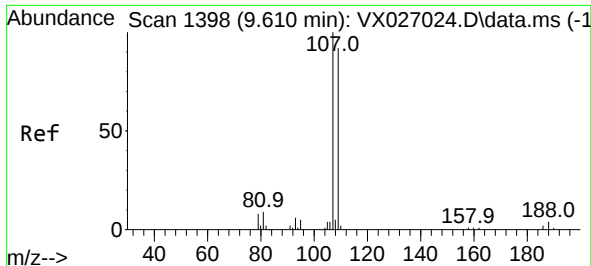
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#49
Dibromochloromethane
Concen: 2.207 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion:129 Resp: 2363
Ion Ratio Lower Upper
129 100
127 79.8 54.3 100.9





#50

1,2-Dibromoethane

Concen: 2.429 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX027028.D

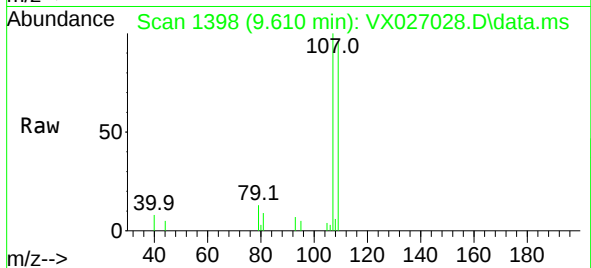
Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02



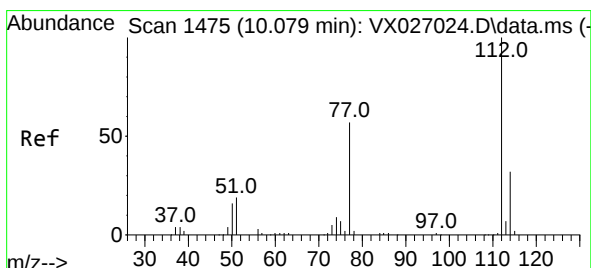
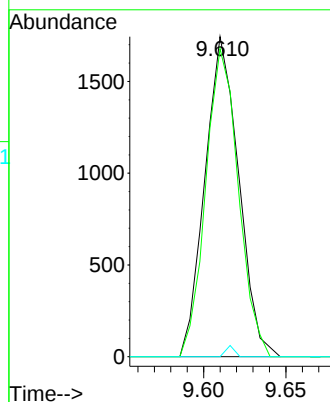
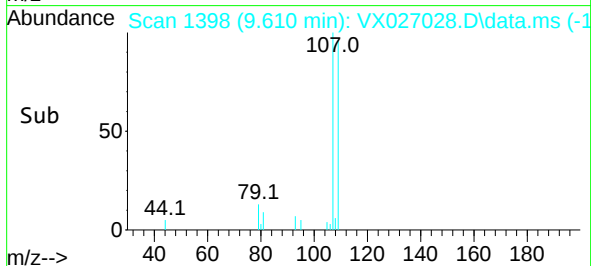
Tgt Ion:	107	Resp:	2489
Ion Ratio	Lower	Upper	
107	100		
109	96.3	64.9	120.5
188	0.0	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#51

Chlorobenzene

Concen: 2.394 ug/L

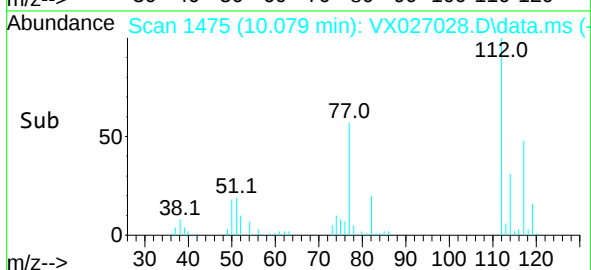
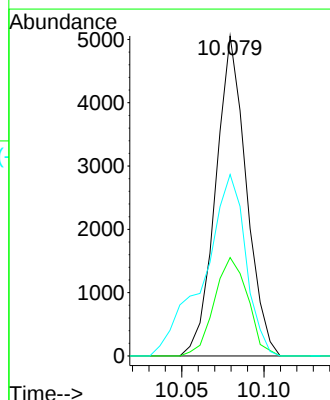
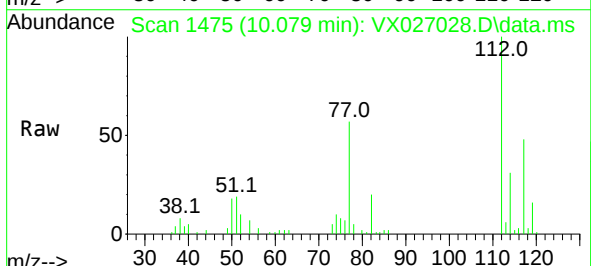
RT: 10.079 min Scan# 1475

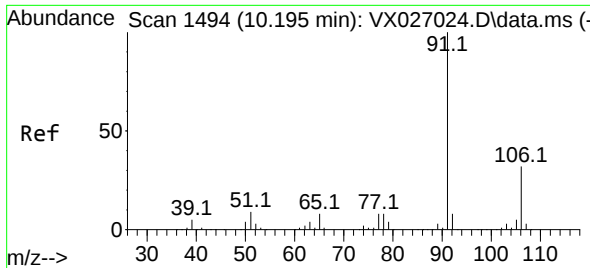
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Tgt Ion:	112	Resp:	6534
Ion Ratio	Lower	Upper	
112	100		
114	30.7	22.2	41.2
77	56.7	45.9	68.9





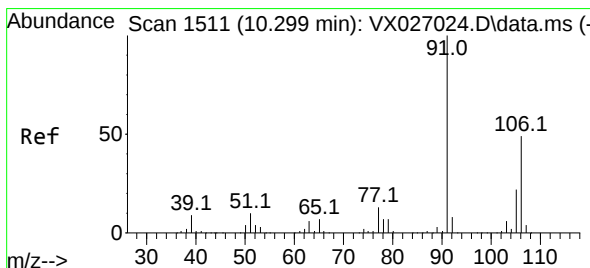
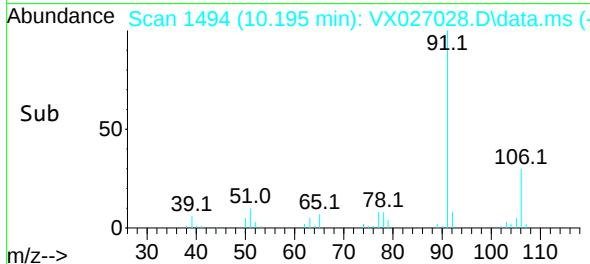
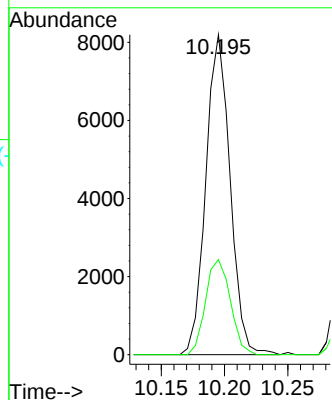
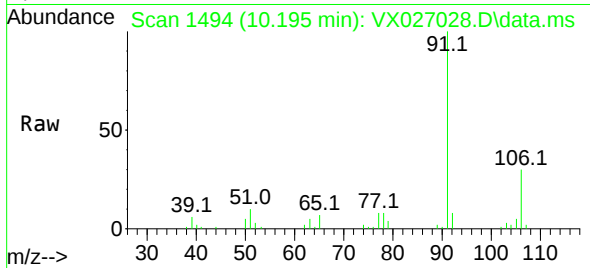
#52
Ethylbenzene
Concen: 2.387 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

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

Tgt Ion: 91 Resp: 10944
Ion Ratio Lower Upper
91 100
106 29.7 21.7 40.3

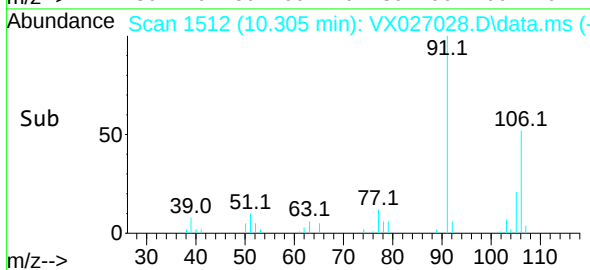
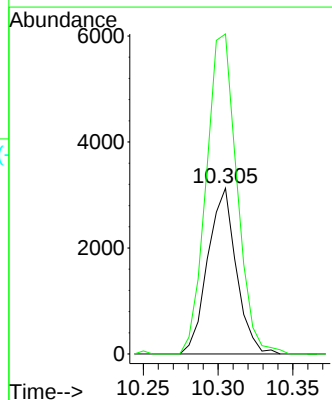
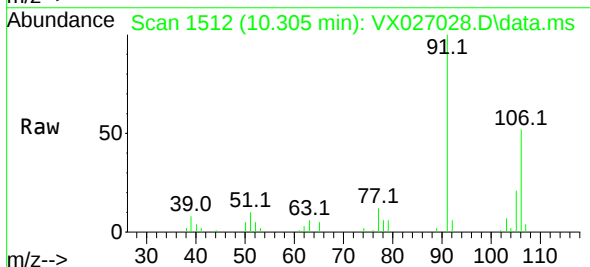
Manual Integrations
APPROVED

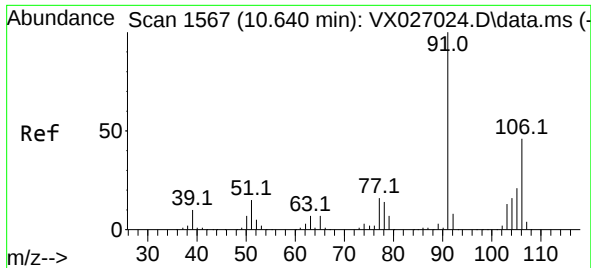
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#53
m,p-Xylene
Concen: 2.299 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion:106 Resp: 4155
Ion Ratio Lower Upper
106 100
91 193.1 145.7 270.5





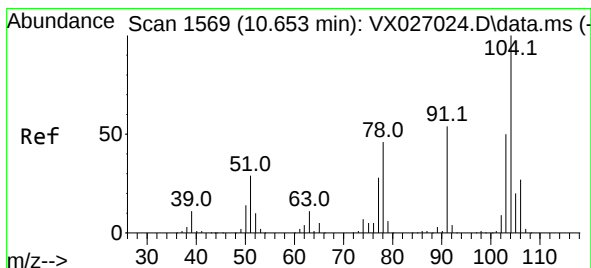
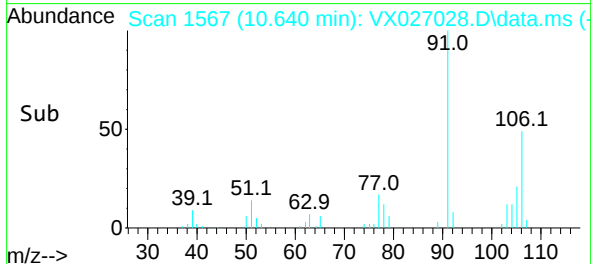
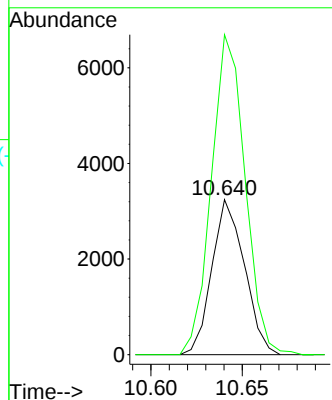
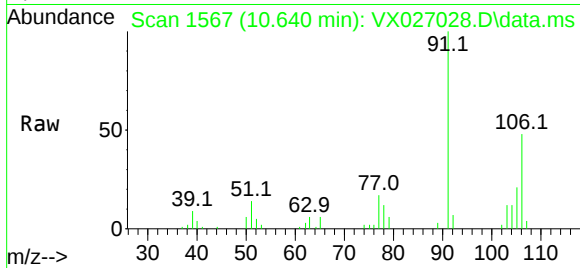
#54
o-Xylene
Concen: 2.330 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

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

Tgt Ion:106 Resp: 4029
Ion Ratio Lower Upper
106 100
91 206.5 151.2 280.8

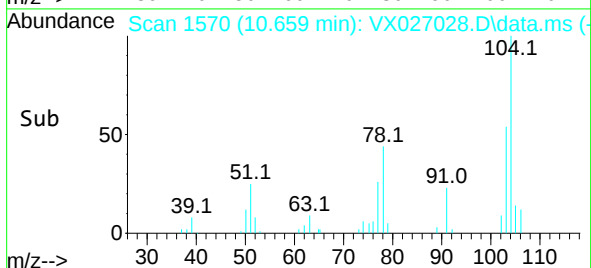
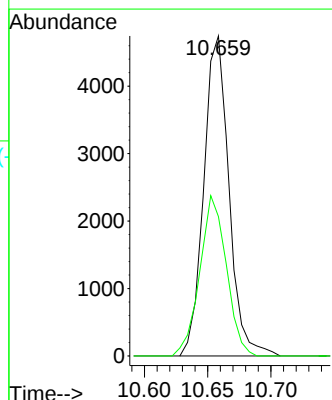
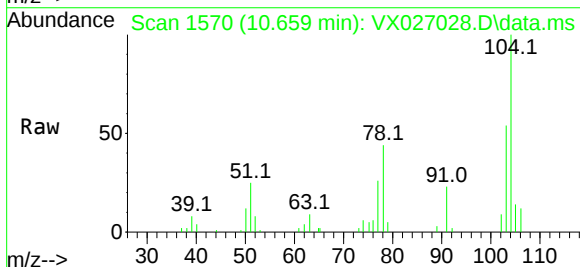
Manual Integrations
APPROVED

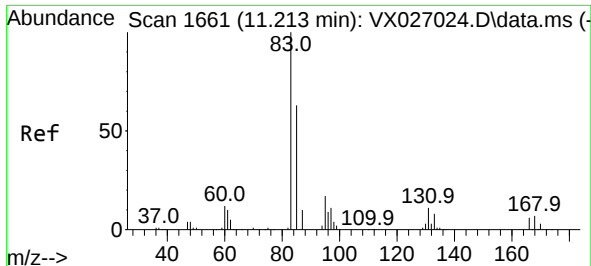
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#55
Styrene
Concen: 2.248 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion:104 Resp: 6584
Ion Ratio Lower Upper
104 100
78 43.5 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 2.783 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

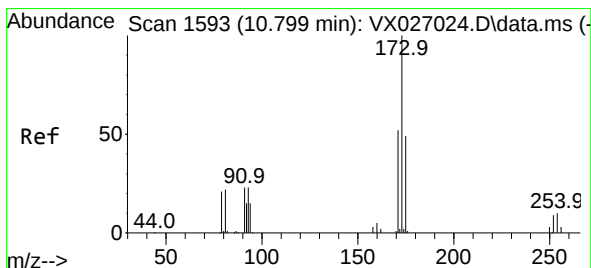
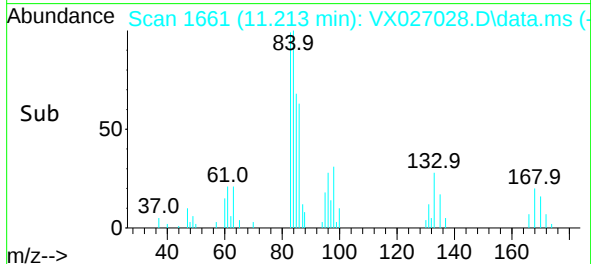
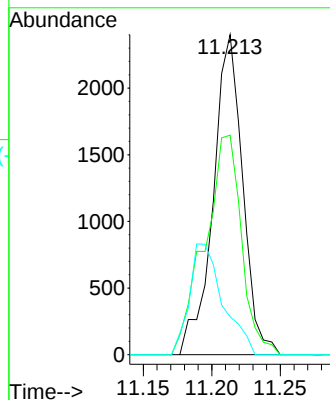
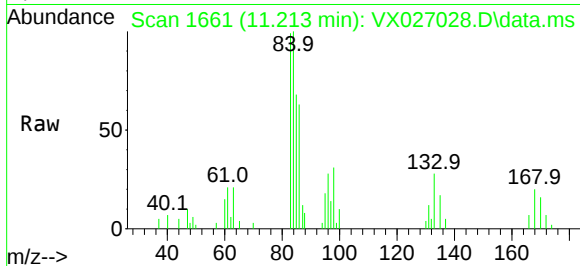
Tgt Ion: 83	Resp: 3598
Ion Ratio	Lower Upper
83 100	
85 68.6	45.8 85.2
131 11.9	8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#59

Bromoform

Concen: 2.179 ug/L

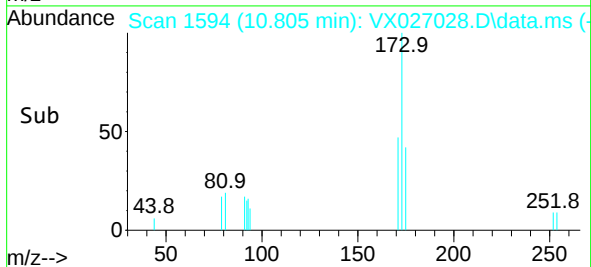
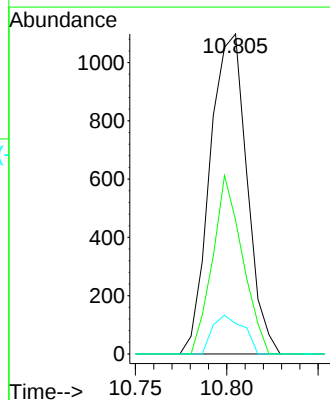
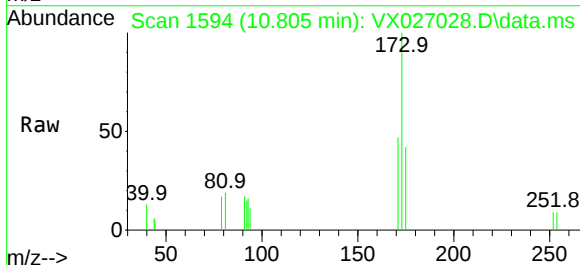
RT: 10.805 min Scan# 1594

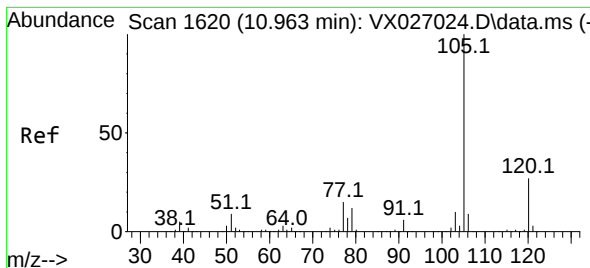
Delta R.T. 0.006 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Tgt Ion: 173	Resp: 1543
Ion Ratio	Lower Upper
173 100	
175 45.1	38.9 58.3
254 10.1	7.0 10.6





#60

Isopropylbenzene

Concen: 2.284 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

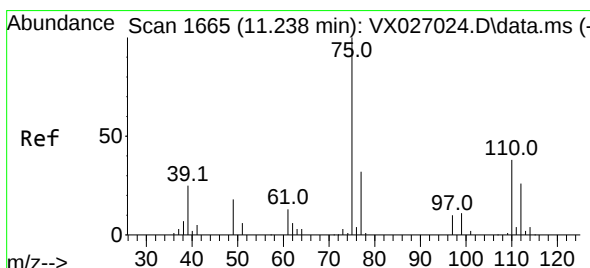
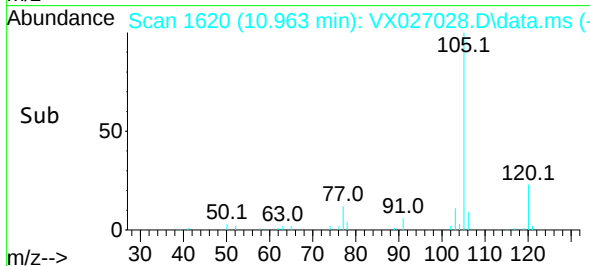
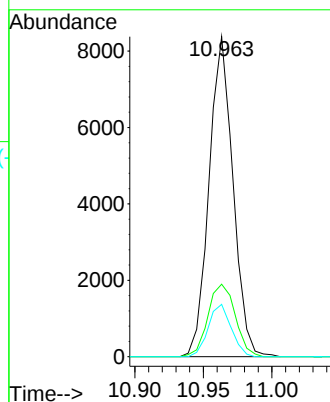
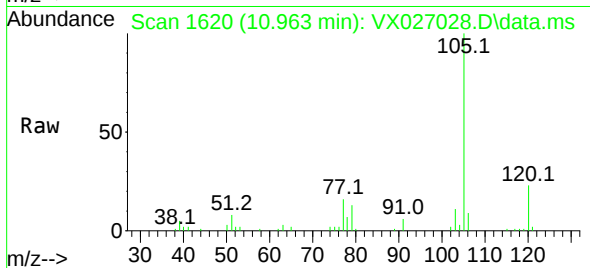
Tgt Ion:	105	Resp:	1018
Ion Ratio	Lower	Upper	
105	100		
120	25.9	21.2	31.8
77	15.7	12.5	18.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#61

1,2,3-Trichloropropane

Concen: 2.504 ug/L

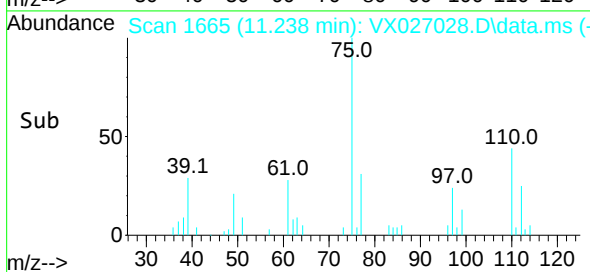
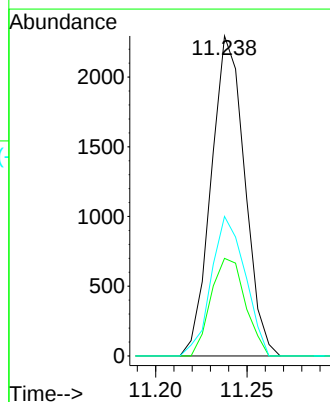
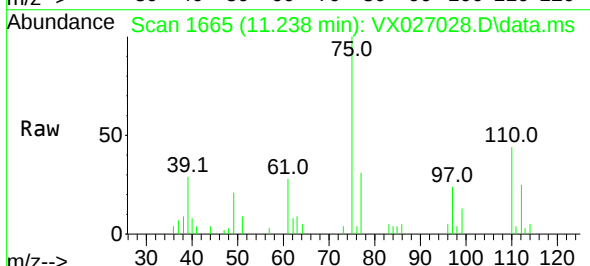
RT: 11.238 min Scan# 1665

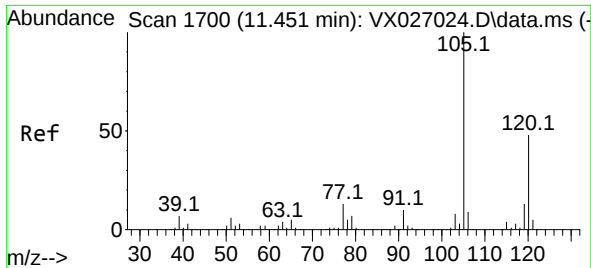
Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

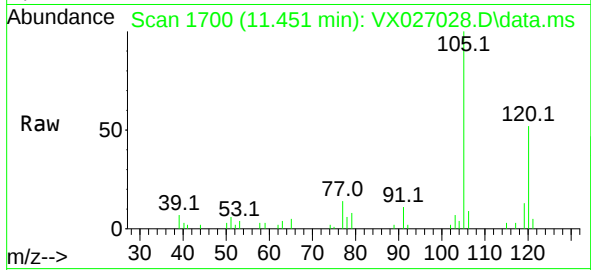
Tgt Ion:	75	Resp:	2931
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.8	38.6
110	44.2	33.4	50.0





#62
1,3,5-Trimethylbenzene
Concen: 2.242 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

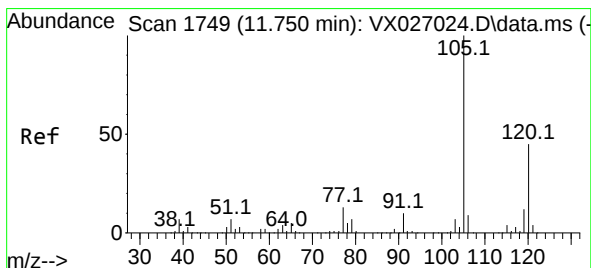
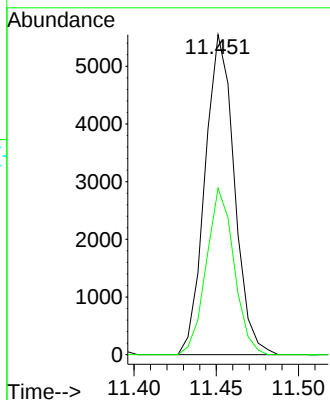
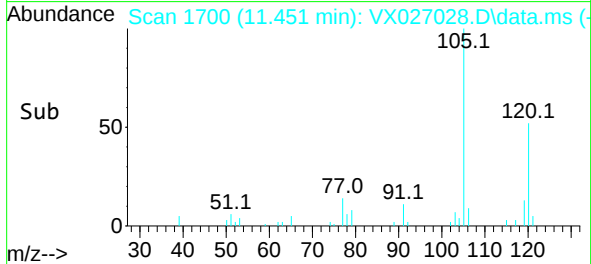
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



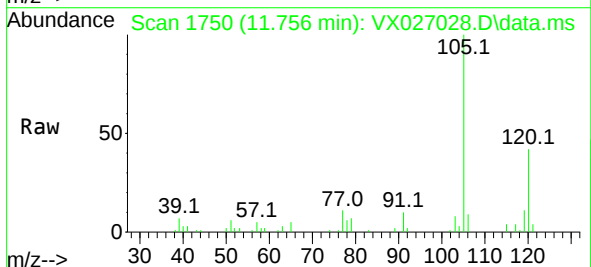
Tgt Ion:105 Resp: 6890
Ion Ratio Lower Upper
105 100
120 49.0 39.1 58.7

Manual Integrations
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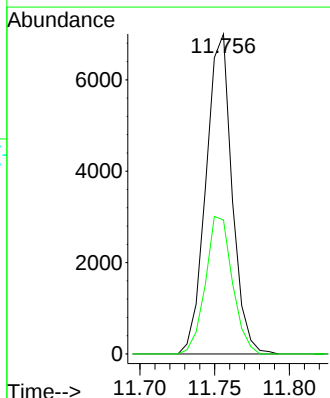
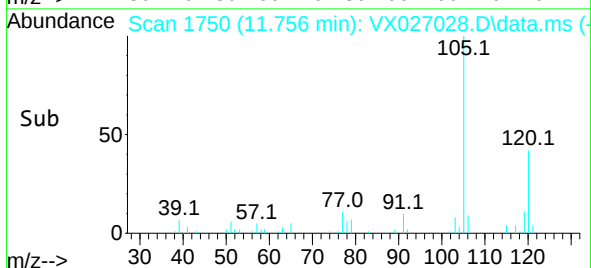
Reviewed By :John Carbone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

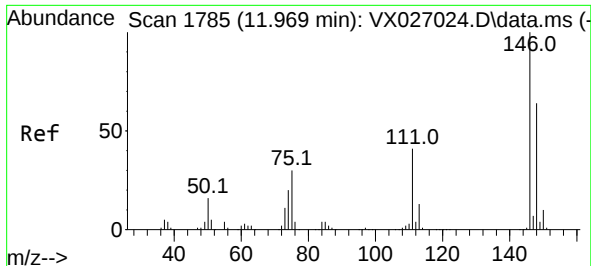


#63
1,2,4-Trimethylbenzene
Concen: 2.272 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



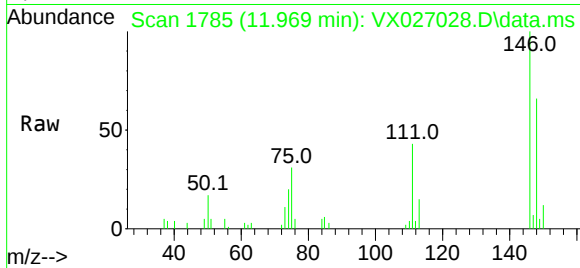
Tgt Ion:105 Resp: 8488
Ion Ratio Lower Upper
105 100
120 44.3 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.323 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

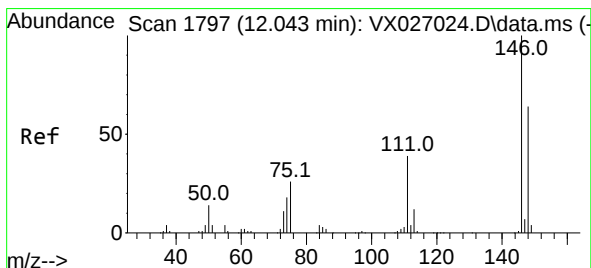
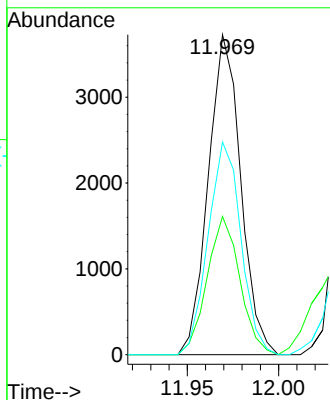
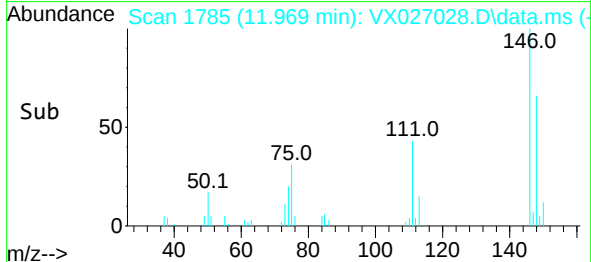
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



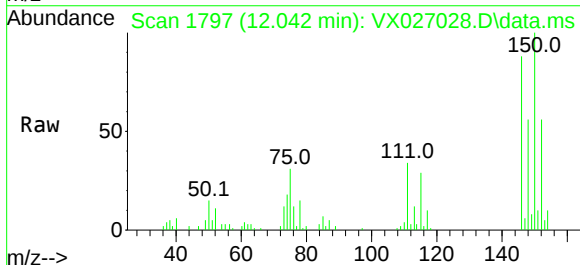
Tgt Ion:146 Resp: 4608
Ion Ratio Lower Upper
146 100
111 43.2 28.3 52.7
148 66.5 43.8 81.4

Manual Integrations
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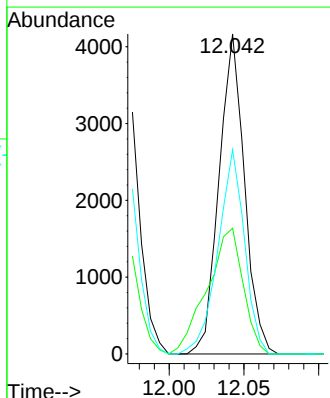
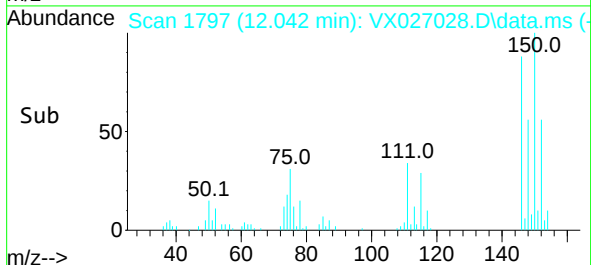
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

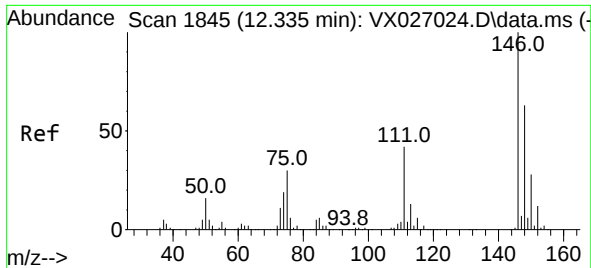


#65
1,4-Dichlorobenzene
Concen: 2.470 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



Tgt Ion:146 Resp: 4930
Ion Ratio Lower Upper
146 100
111 39.3 26.5 49.3
148 63.9 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 2.665 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2022-02

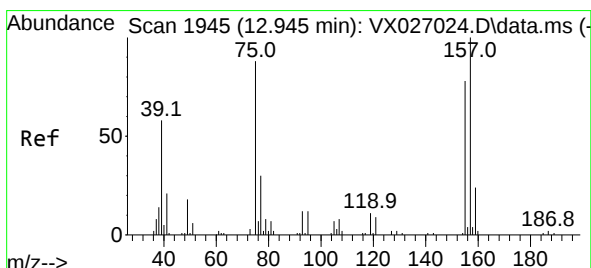
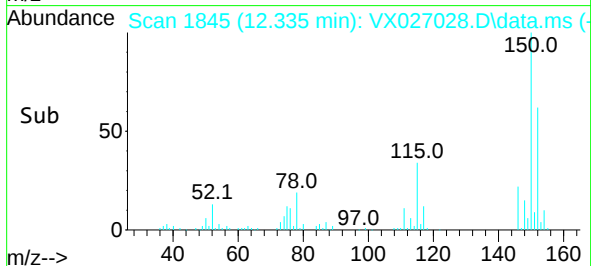
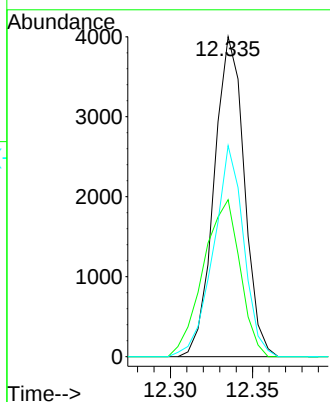
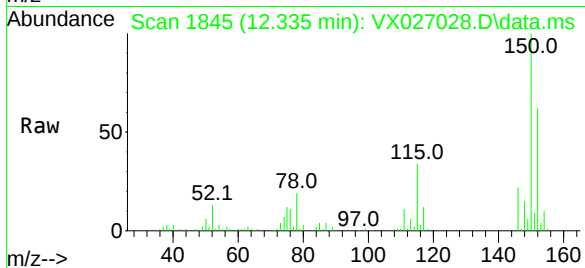
Tgt Ion:	146	Resp:	5110
Ion Ratio	Lower	Upper	
146	100		
111	49.1	34.5	51.7
148	66.0	51.9	77.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2022

Supervised By :Mahesh Dadoda 02/17/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.266 ug/L m

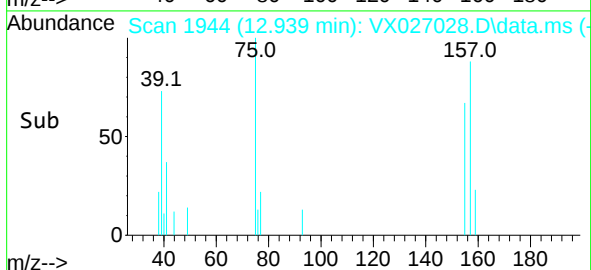
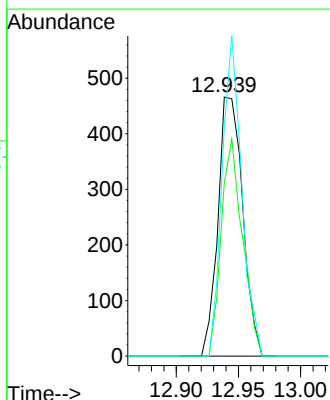
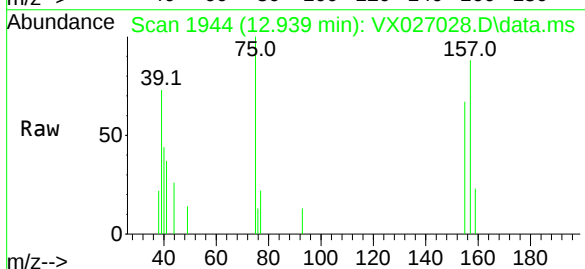
RT: 12.939 min Scan# 1944

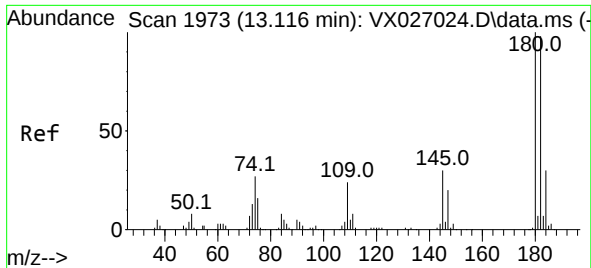
Delta R.T. -0.006 min

Lab File: VX027028.D

Acq: 15 Feb 2022 12:51

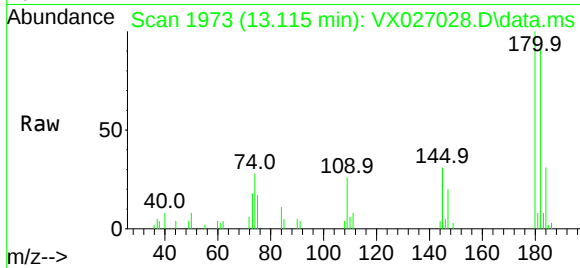
Tgt Ion:	75	Resp:	644
Ion Ratio	Lower	Upper	
75	100		
155	66.7	71.6	107.4#
157	88.4	93.8	140.6#





#69
1,3,5-Trichlorobenzene
Concen: 2.332 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

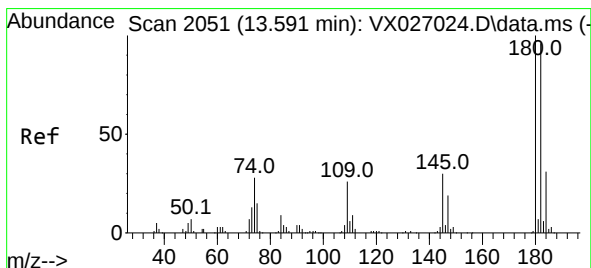
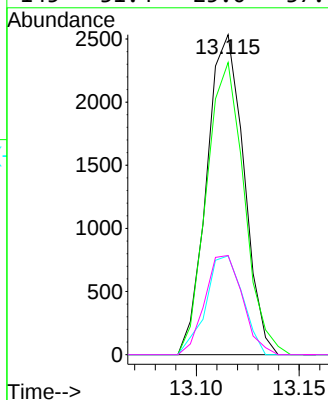
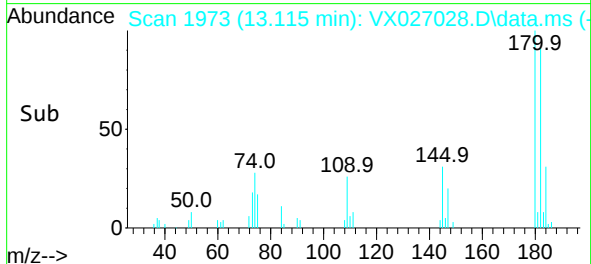
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2022-02



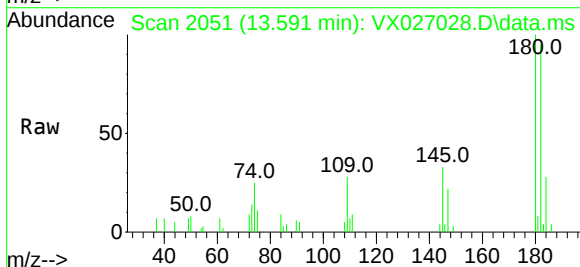
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.6	113.4
184	30.5	23.6	35.4
145	31.4	25.0	37.4

Manual Integrations
APPROVED

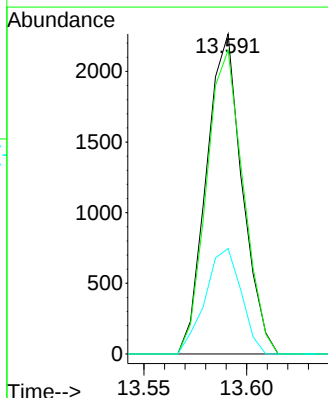
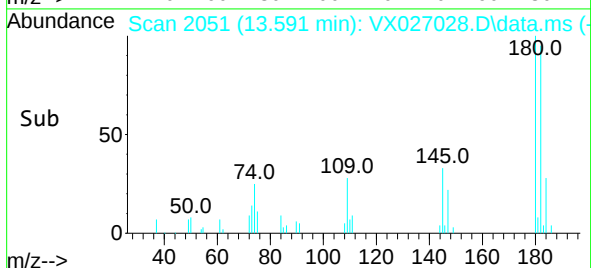
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022

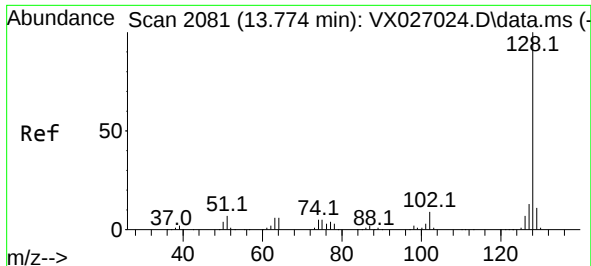


#70
1,2,4-trichlorobenzene
Concen: 2.277 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51



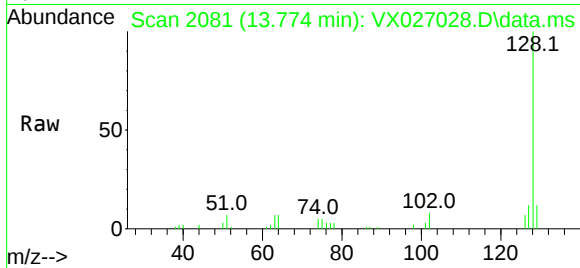
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.4	113.2
145	33.1	25.0	37.4





#71
Naphthalene
Concen: 2.066 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

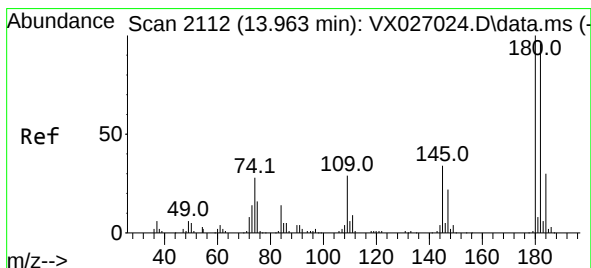
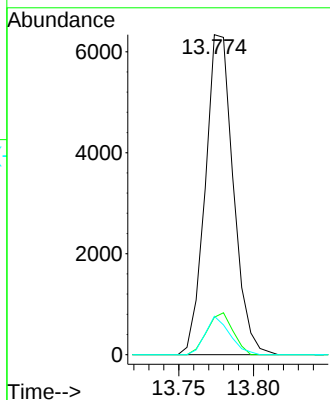
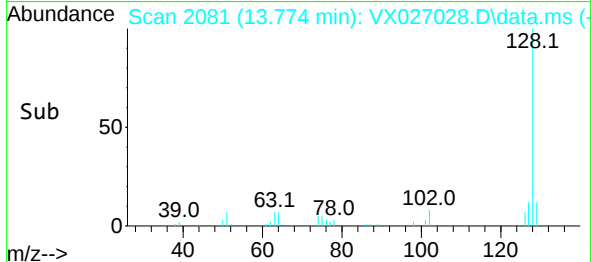
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion:128 Resp: 8279
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 10.4 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/17/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.227 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX027028.D
Acq: 15 Feb 2022 12:51

Tgt Ion:180 Resp: 2679
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.4
145 35.1 27.4 41.0

