

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
 Data File : VX030626.D
 Acq On : 15 Aug 2022 14:37
 Operator : JC/MD
 Sample : N4015-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-05

Quant Time: Aug 16 07:12:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 16 04:27:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	244617	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	221354	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	102550	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	46485	29.592	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.180%#
7) Chloroethane-d5	1.666	69	44367	40.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.120%
11) 1,1-Dichloroethene-d2	2.306	63	87190	29.342	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.680%#
21) 2-Butanone-d5	4.471	46	179984	123.657	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.660%
24) Chloroform-d	5.056	84	149597	46.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.520%
26) 1,2-Dichloroethane-d4	5.958	65	109976	50.087	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
32) Benzene-d6	5.976	84	258871	40.827	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.660%
36) 1,2-Dichloropropane-d6	7.312	67	96106	46.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.440%
41) Toluene-d8	8.653	98	226852	37.956	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.920%#
43) trans-1,3-Dichloroprop...	8.952	79	42096	41.133	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.260%
47) 2-Hexanone-d5	9.384	63	117511	112.067	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.070%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	145080	53.684	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.360%
66) 1,2-Dichlorobenzene-d4	12.323	152	93331	46.922	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3674	1.996	ug/L	93
3) Chloromethane	1.288	50	3352	2.118	ug/L	86
5) Vinyl chloride	1.374	62	3927	2.323	ug/L #	45
6) Bromomethane	1.611	94	1653	2.081	ug/L	77
8) Chloroethane	1.691	64	2097	2.178	ug/L	97
9) Trichlorofluoromethane	1.886	101	5567	2.228	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4369	2.940	ug/L #	62
12) 1,1-Dichloroethene	2.319	96	3724	2.720	ug/L #	1
13) Acetone	2.398	43	6369	5.971	ug/L	84
14) Carbon disulfide	2.508	76	7208	1.624	ug/L #	90
15) Methyl Acetate	2.709	43	5308	2.404	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	3071	1.936	ug/L #	72
18) Methyl tert-butyl Ether	3.123	73	12672	2.349	ug/L	95
19) 1,1-Dichloroethane	3.611	63	7279	2.373	ug/L #	86
20) cis-1,2-Dichloroethene	4.489	96	4208	2.358	ug/L	98
22) 2-Butanone	4.574	43	8111m	4.820	ug/L	
23) Bromochloromethane	4.910	128	2092m	2.338	ug/L	
27) 1,2-Dichloroethane	6.086	62	6890m	2.568	ug/L	
29) Cyclohexane	5.470	56	5354	1.819	ug/L #	92

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 ClientSampleId :
 MDL-WATER-QT3-2022-05

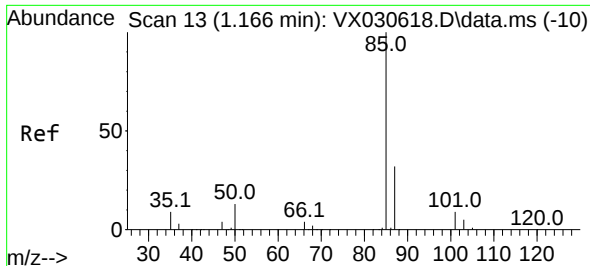
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
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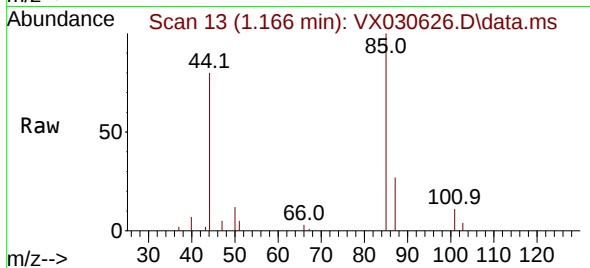
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.391	97	6252m	2.141	ug/L	
31) Carbon tetrachloride	5.678	117	4825	2.002	ug/L	95
33) Benzene	6.044	78	15283	2.153	ug/L	100
35) Methylcyclohexane	7.385	83	6159	2.058	ug/L	95
37) 1,2-Dichloropropane	7.440	63	4085	2.165	ug/L	99
38) Bromodichloromethane	7.830	83	5300	2.122	ug/L #	83
39) cis-1,3-Dichloropropene	8.372	75	5714	2.030	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	14199	4.321	ug/L	95
42) Toluene	8.720	91	15548	2.074	ug/L	93
44) trans-1,3-Dichloropropene	8.988	75	5313	1.928	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	4068	2.318	ug/L	93
46) Tetrachloroethene	9.275	164	2376	1.829	ug/L	83
49) Dibromochloromethane	9.525	129	3660	1.961	ug/L	100
50) 1,2-Dibromoethane	9.610	107	4027	2.087	ug/L #	88
51) Chlorobenzene	10.079	112	10043	2.150	ug/L	99
52) Ethylbenzene	10.195	91	16586	2.029	ug/L	96
53) m,p-Xylene	10.305	106	5822	1.911	ug/L	98
54) o-Xylene	10.646	106	5647	1.860	ug/L	91
55) Styrene	10.659	104	9872	1.931	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	7211	2.701	ug/L	90
59) Bromoform	10.805	173	2350	2.104	ug/L #	96
60) Isopropylbenzene	10.963	105	14850	2.043	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	5435	2.468	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	11876	1.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	11627	1.855	ug/L	93
64) 1,3-Dichlorobenzene	11.975	146	6791	2.149	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	7069	2.201	ug/L	89
67) 1,2-Dichlorobenzene	12.341	146	7741	2.369	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.951	75	1737	2.391	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.115	180	4289	1.935	ug/L	91
70) 1,2,4-trichlorobenzene	13.591	180	3873	1.990	ug/L	97
71) Naphthalene	13.780	128	14199	1.763	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	4140	2.014	ug/L	97

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



#2
 Dichlorodifluoromethane
 Concen: 1.996 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX030626.D
 Acq: 15 Aug 2022 14:37

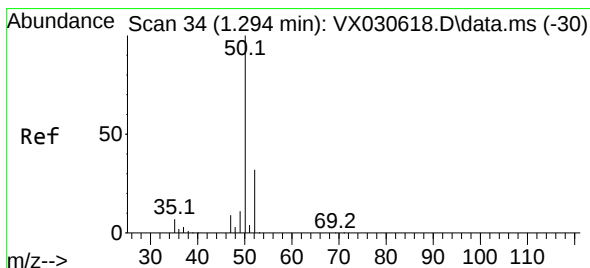
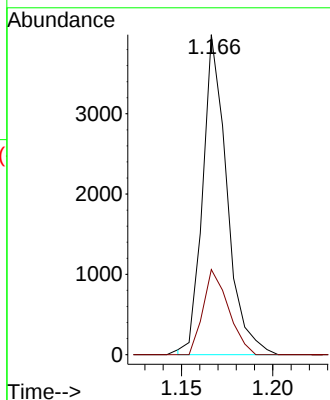
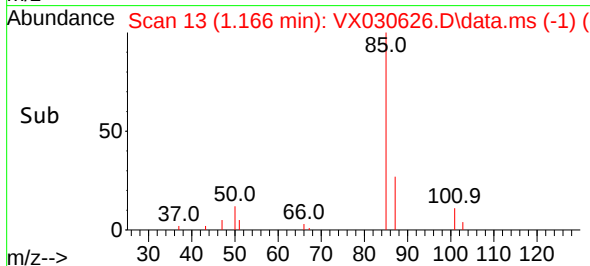
Instrument : MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-05



Tgt Ion: 85 Resp: 3674
 Ion Ratio Lower Upper
 85 100
 87 27.9 25.6 38.4

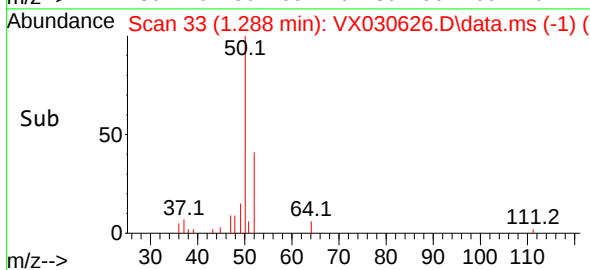
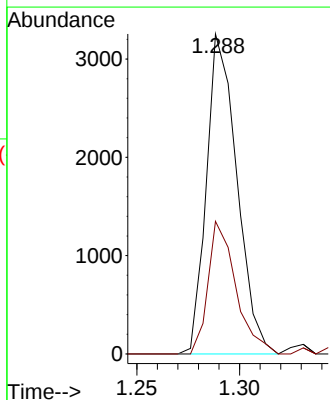
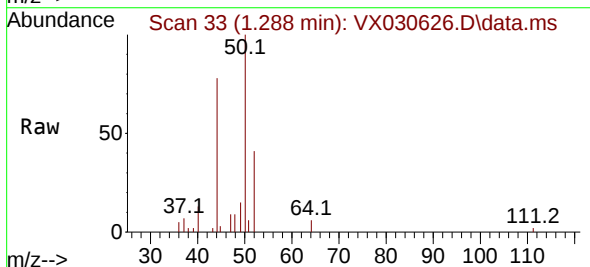
Manual Integrations
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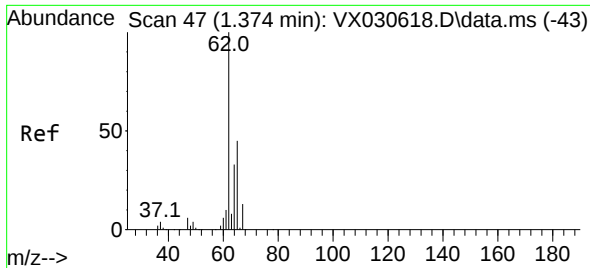
Reviewed By :John Carlone 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022



#3
 Chloromethane
 Concen: 2.118 ug/L
 RT: 1.288 min Scan# 33
 Delta R.T. -0.006 min
 Lab File: VX030626.D
 Acq: 15 Aug 2022 14:37

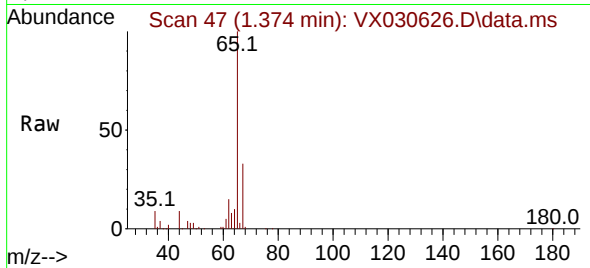
Tgt Ion: 50 Resp: 3352
 Ion Ratio Lower Upper
 50 100
 52 41.4 23.3 43.3





#5
 Vinyl chloride
 Concen: 2.323 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030626.D
 Acq: 15 Aug 2022 14:37

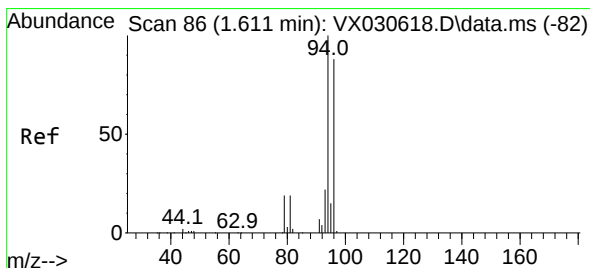
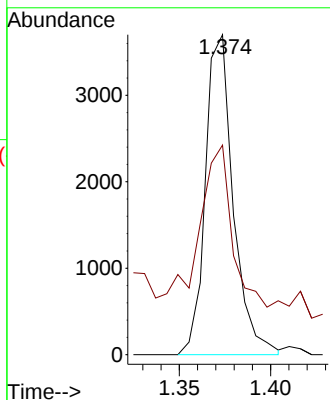
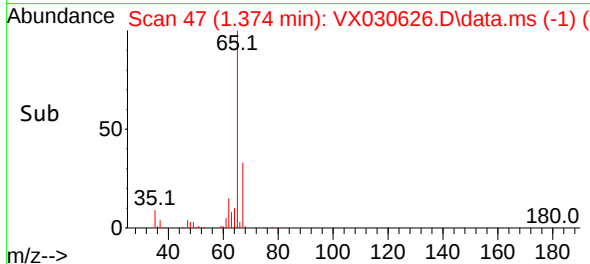
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-05



Tgt Ion: 62 Resp: 392
 Ion Ratio Lower Upper
 62 100
 64 65.5 23.8 44.2

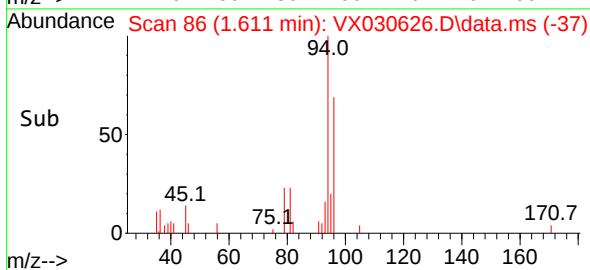
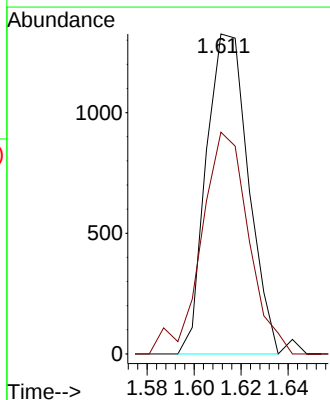
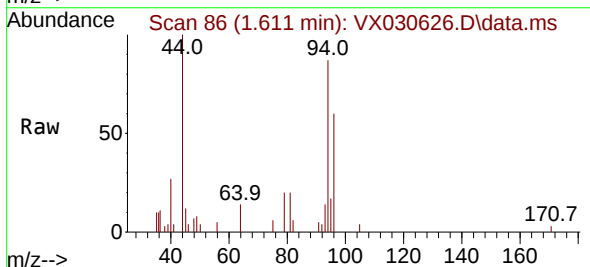
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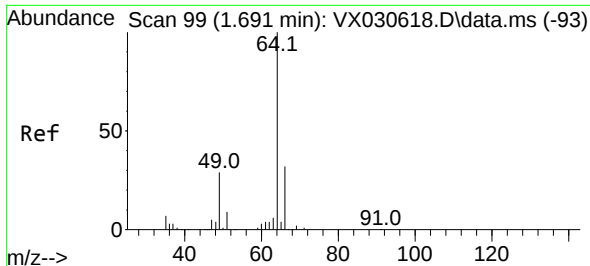
Reviewed By :John Carlone 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022



#6
 Bromomethane
 Concen: 2.081 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. -0.000 min
 Lab File: VX030626.D
 Acq: 15 Aug 2022 14:37

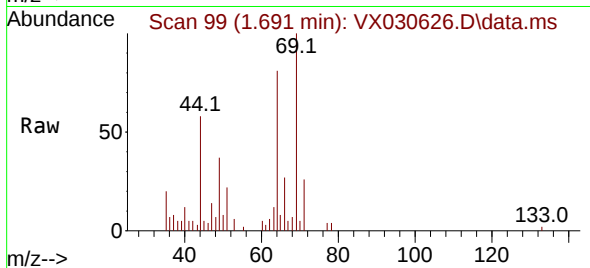
Tgt Ion: 94 Resp: 1653
 Ion Ratio Lower Upper
 94 100
 96 69.3 63.8 118.6





#8
Chloroethane
Concen: 2.178 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

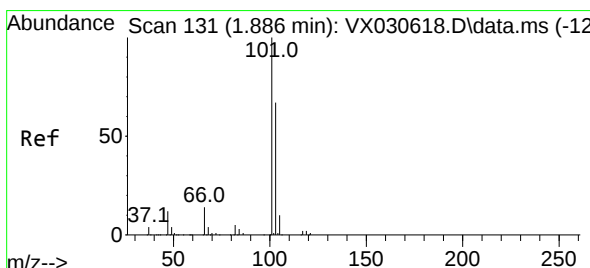
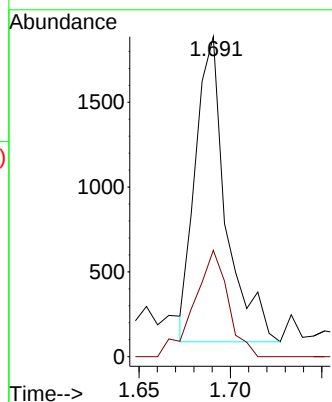
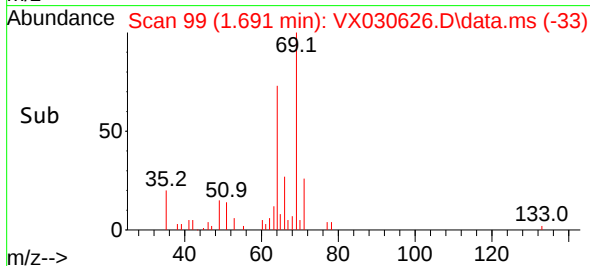
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05



Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 33.2 22.1 41.1

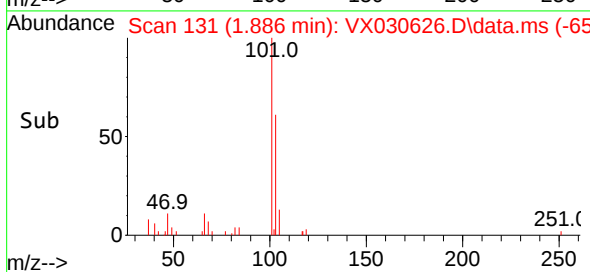
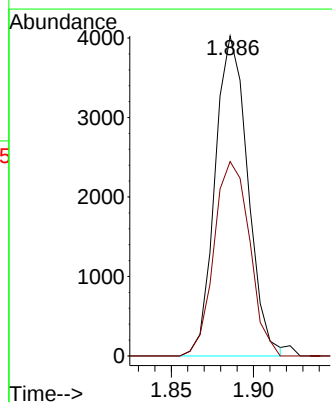
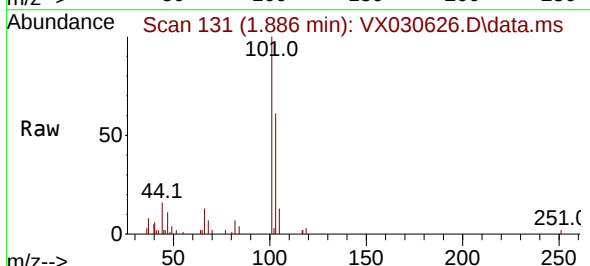
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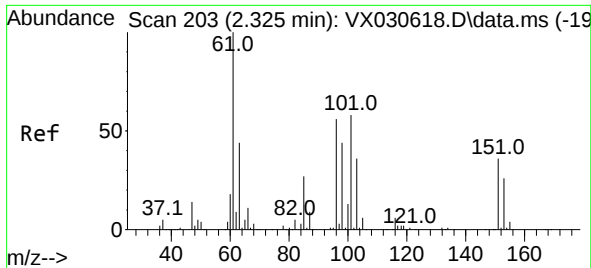
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#9
Trichlorofluoromethane
Concen: 2.228 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion:101 Resp: 5567
Ion Ratio Lower Upper
101 100
103 66.1 51.5 77.3





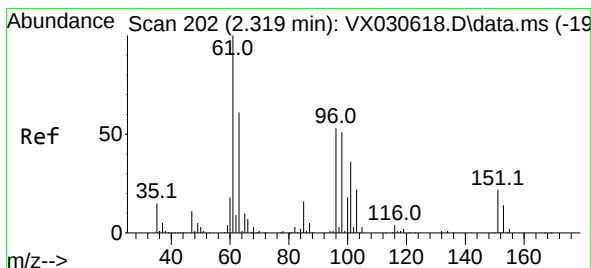
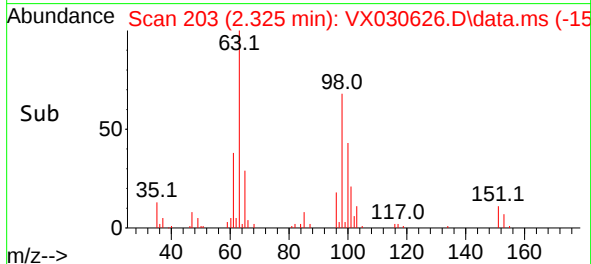
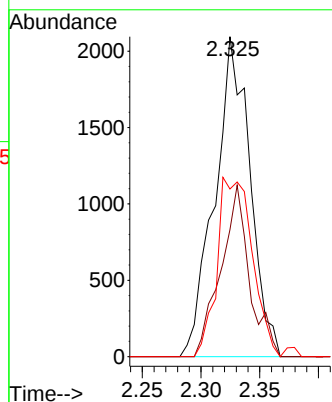
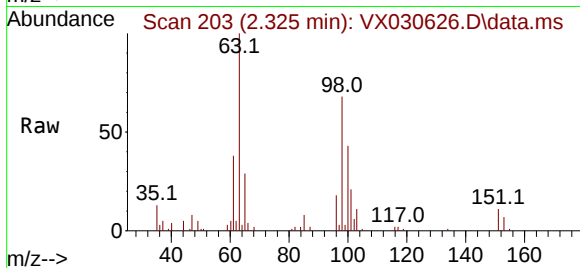
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.940 ug/L
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion: 101 Resp: 4369
Ion Ratio Lower Upper
101 100
85 40.3 35.3 52.9
151 25.3 58.3 87.5

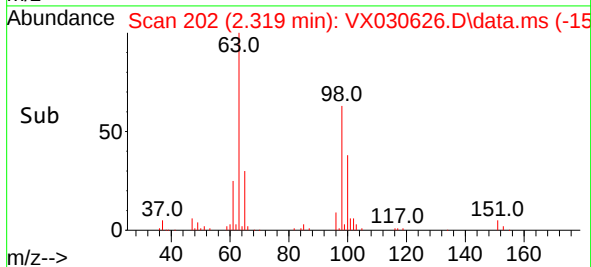
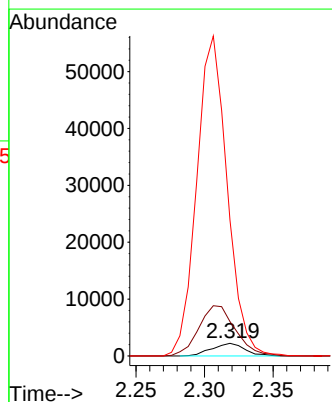
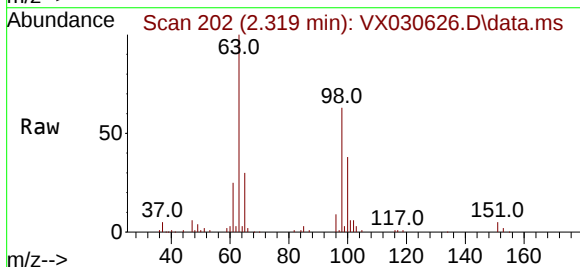
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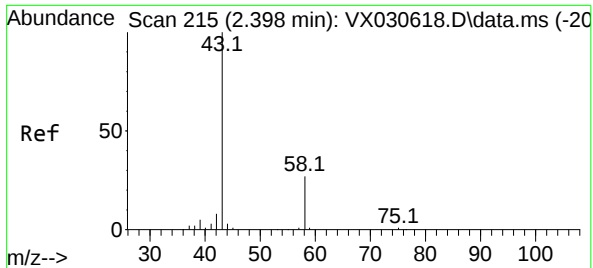
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#12
1,1-Dichloroethene
Concen: 2.720 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion: 96 Resp: 3724
Ion Ratio Lower Upper
96 100
61 271.2 130.2 241.8#
63 1070.7 113.5 210.9#





#13

Acetone

Concen: 5.971 ug/L

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 6369

Ion Ratio Lower Upper

43 100

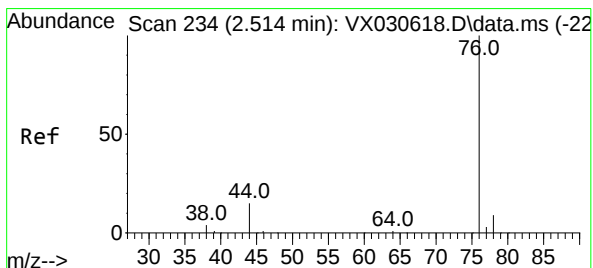
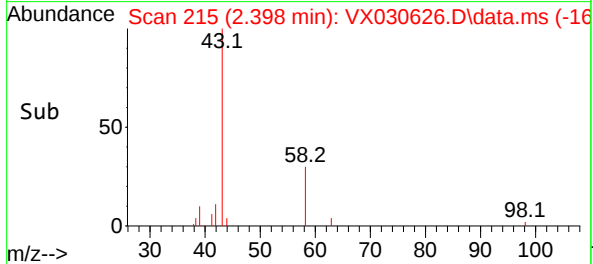
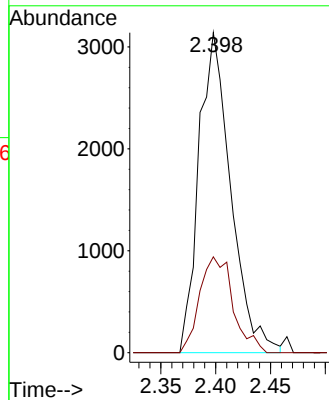
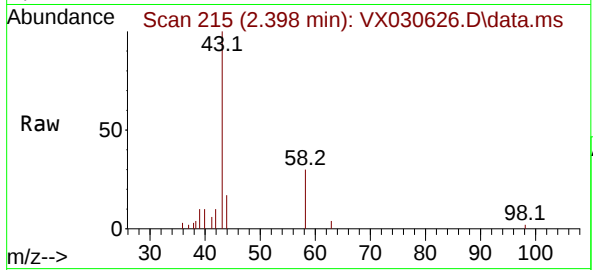
58 20.4 0.0 57.8

Manual Integrations

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Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#14

Carbon disulfide

Concen: 1.624 ug/L

RT: 2.508 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX030626.D

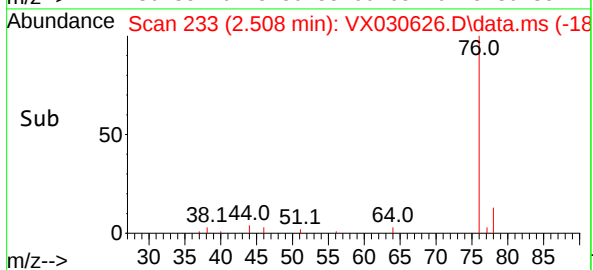
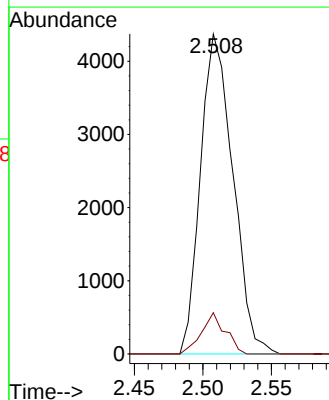
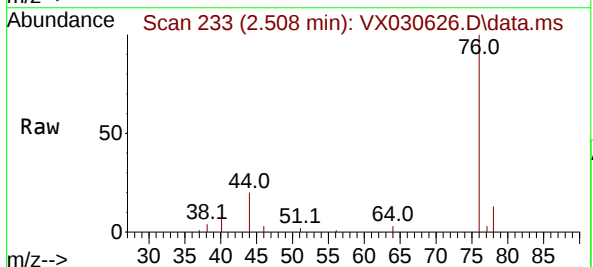
Acq: 15 Aug 2022 14:37

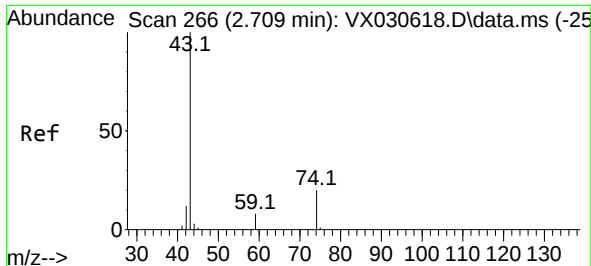
Tgt Ion: 76 Resp: 7208

Ion Ratio Lower Upper

76 100

78 12.9 7.4 11.2#





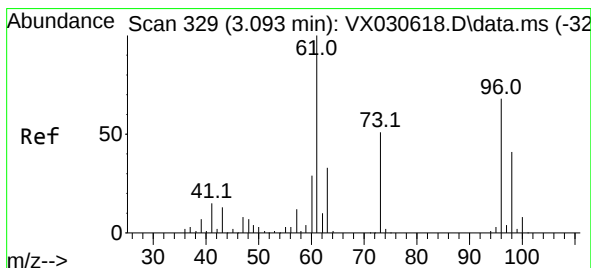
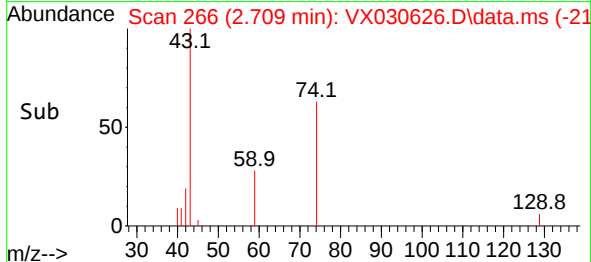
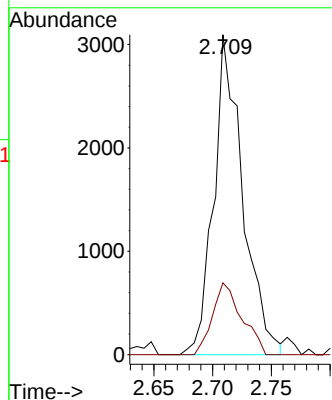
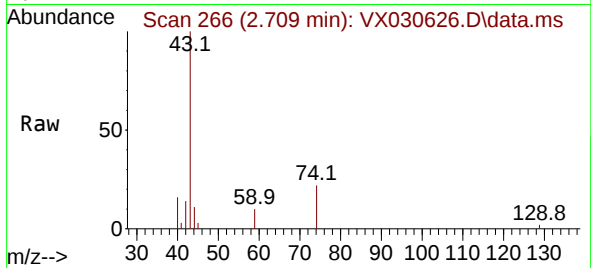
#15
Methyl Acetate
Concen: 2.404 ug/L
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 5308
Ion Ratio Lower Upper
43 100
74 22.7 17.2 25.8

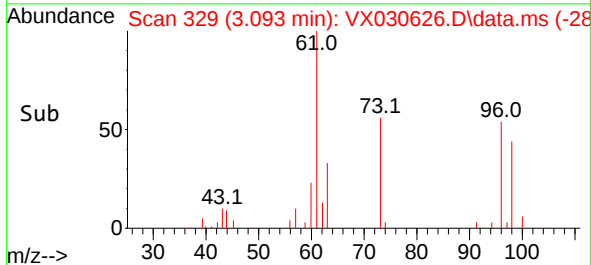
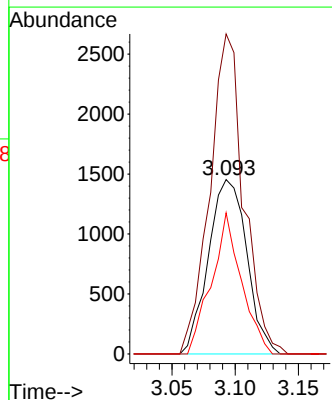
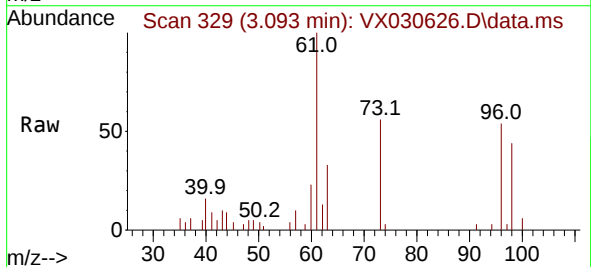
Manual Integrations
APPROVED

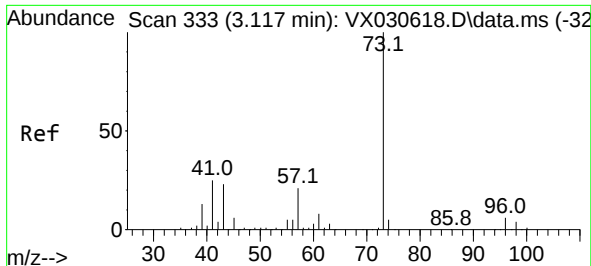
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#17
trans-1,2-Dichloroethene
Concen: 1.936 ug/L
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

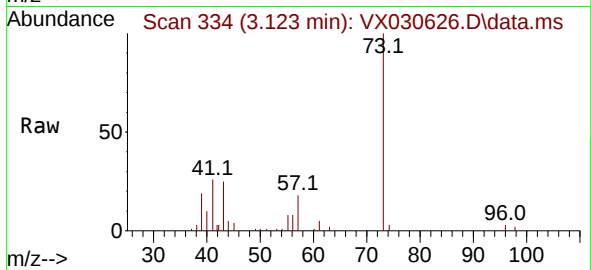
Tgt Ion: 96 Resp: 3071
Ion Ratio Lower Upper
96 100
61 183.5 103.7 192.5
98 80.9 41.5 77.1#





#18
Methyl tert-butyl Ether
Concen: 2.349 ug/L
RT: 3.123 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

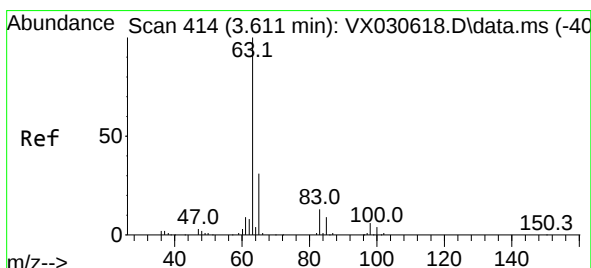
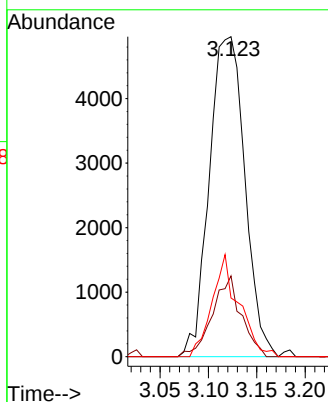
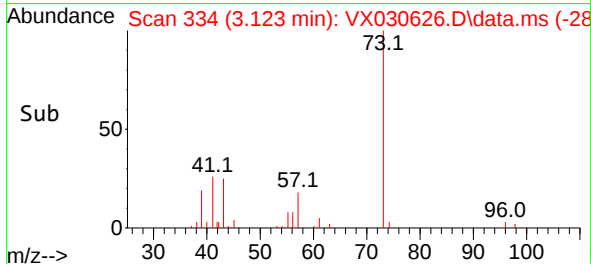
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion: 73 Resp: 12672
Ion Ratio Lower Upper
73 100
43 20.5 17.6 26.4
57 18.8 17.5 26.3

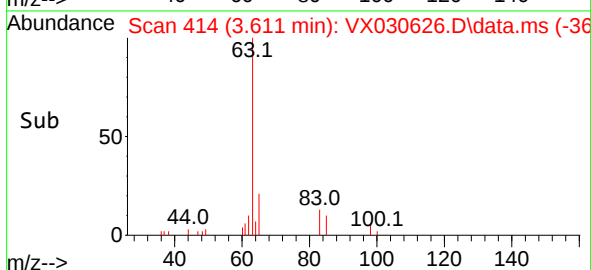
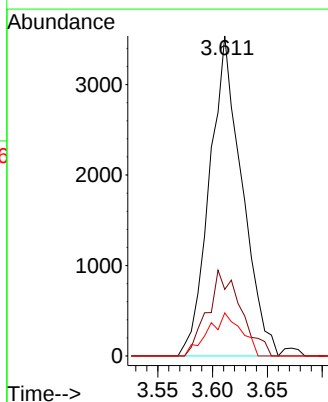
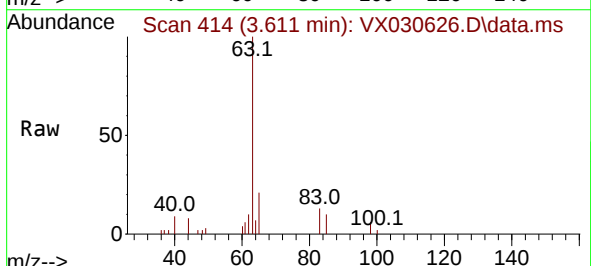
Manual Integrations
APPROVED

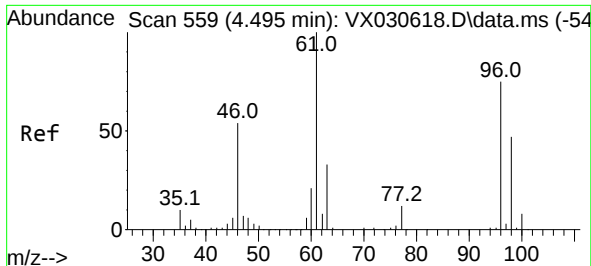
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#19
1,1-Dichloroethane
Concen: 2.373 ug/L
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

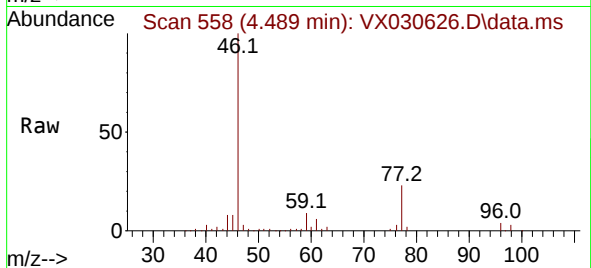
Tgt Ion: 63 Resp: 7279
Ion Ratio Lower Upper
63 100
65 20.8 22.0 40.8#
83 13.5 9.9 18.3





#20
cis-1,2-Dichloroethene
Concen: 2.358 ug/L
RT: 4.489 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

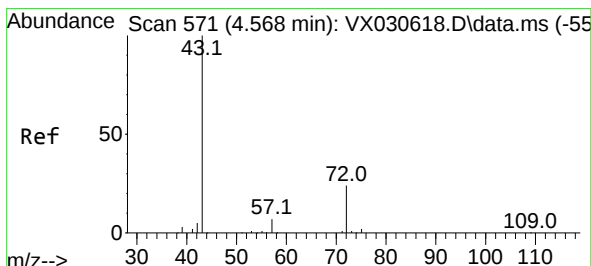
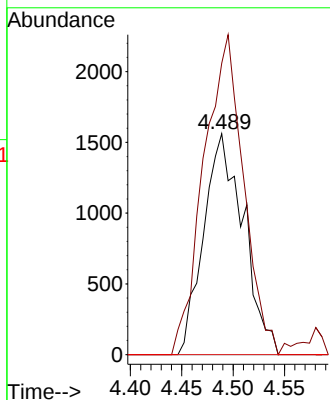
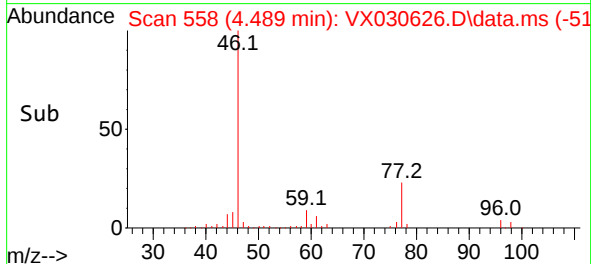
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion: 96 Resp: 4208
Ion Ratio Lower Upper
96 100
61 131.9 94.0 174.6
68 0.0 0.0 0.0

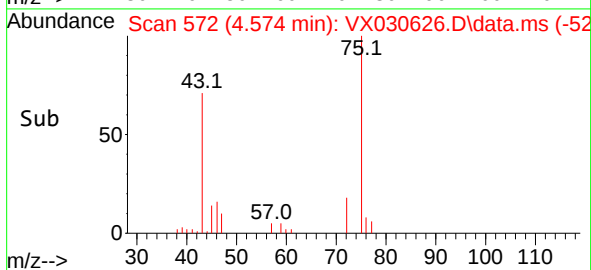
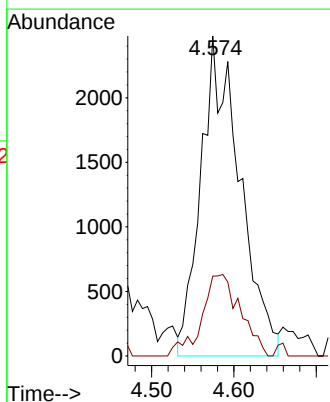
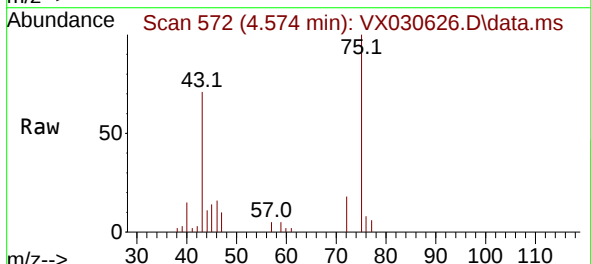
Manual Integrations
APPROVED

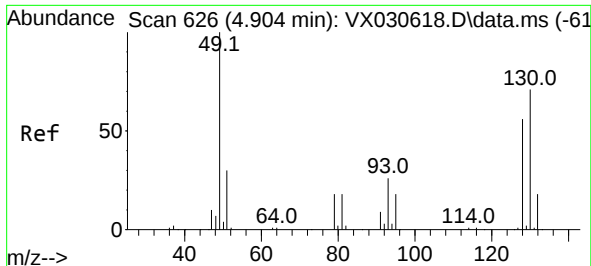
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#22
2-Butanone
Concen: 4.820 ug/L m
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

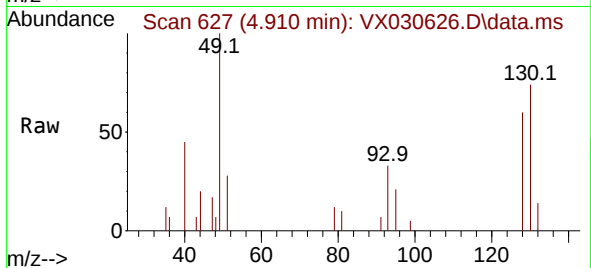
Tgt Ion: 43 Resp: 8111
Ion Ratio Lower Upper
43 100
72 1.1 11.7 35.1#





#23
Bromochloromethane
Concen: 2.338 ug/L m
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

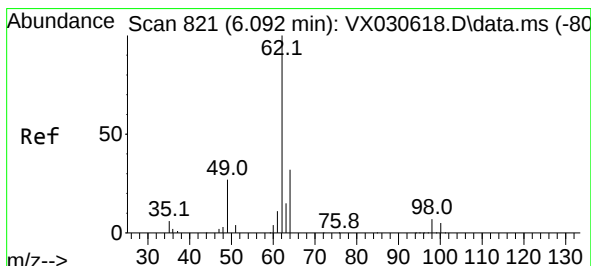
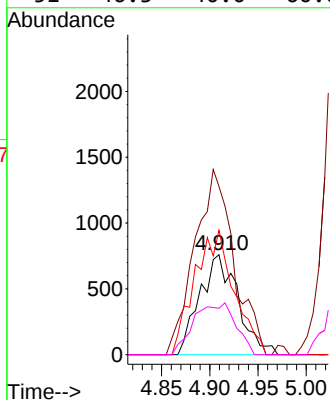
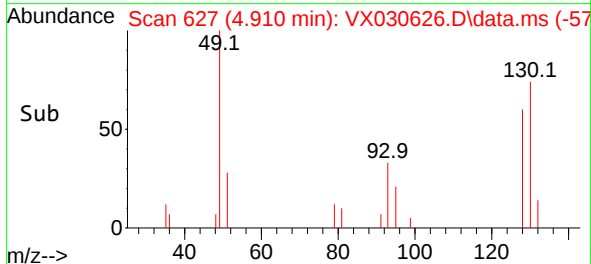
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:128 Resp: 2092
Ion Ratio Lower Upper
128 100
49 168.0 116.8 216.8
130 124.2 90.3 167.7
51 46.3 40.0 60.0

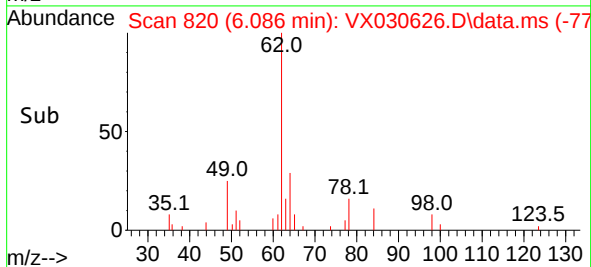
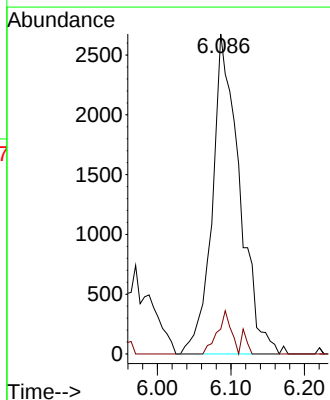
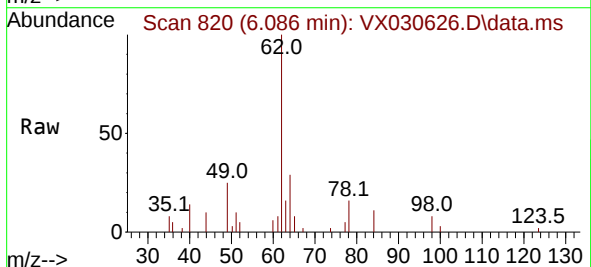
Manual Integrations
APPROVED

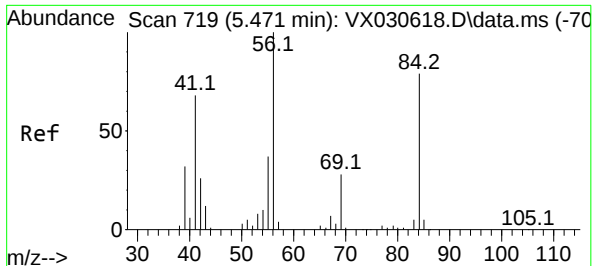
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#27
1,2-Dichloroethane
Concen: 2.568 ug/L m
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion: 62 Resp: 6890
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.6





#29

Cyclohexane

Concen: 1.819 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

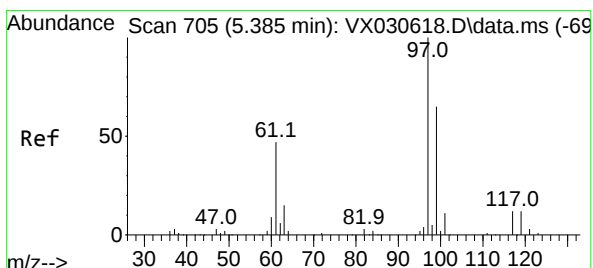
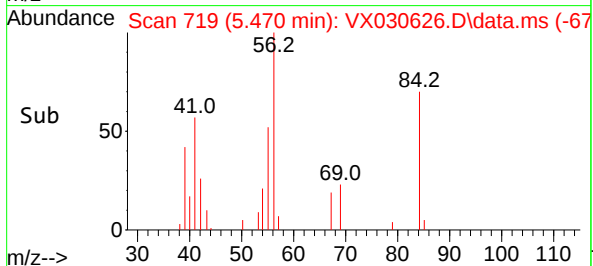
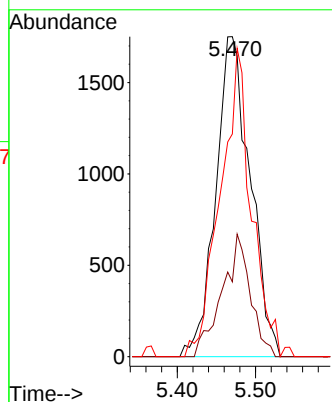
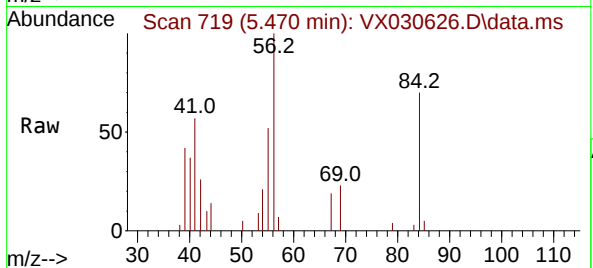
Tgt Ion: 56	Resp: 5354
Ion Ratio	Lower Upper
56	100
69	16.9 24.3 36.5
84	84.9 66.7 100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#30

1,1,1-Trichloroethane

Concen: 2.141 ug/L m

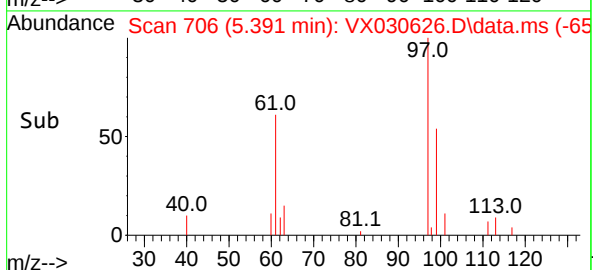
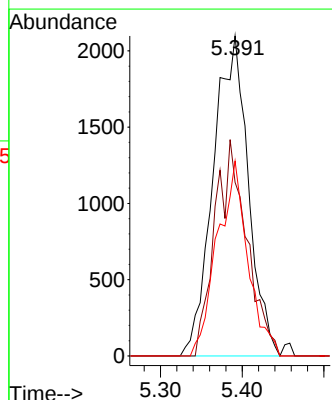
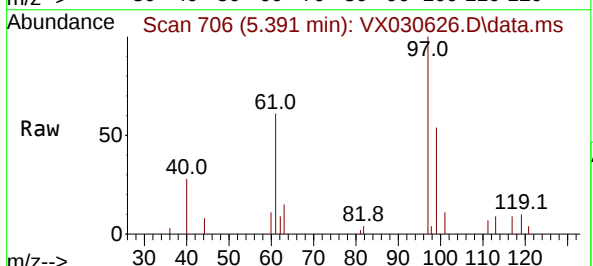
RT: 5.391 min Scan# 706

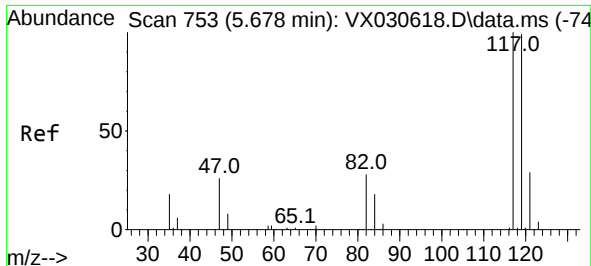
Delta R.T. 0.006 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

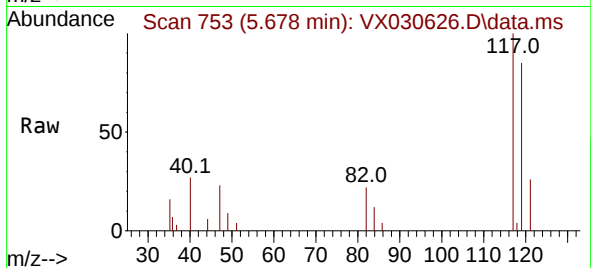
Tgt Ion: 97	Resp: 6252
Ion Ratio	Lower Upper
97	100
99	37.0 51.4 77.0
61	53.2 37.0 55.6





#31
Carbon tetrachloride
Concen: 2.002 ug/L
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

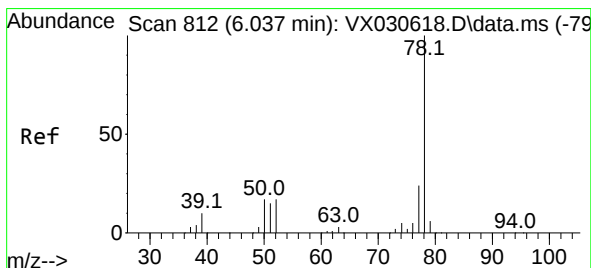
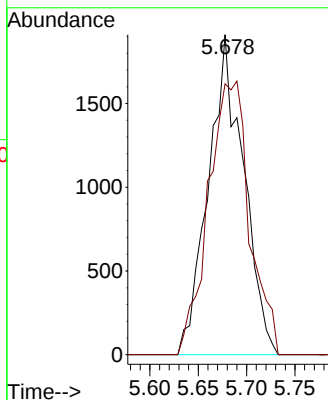
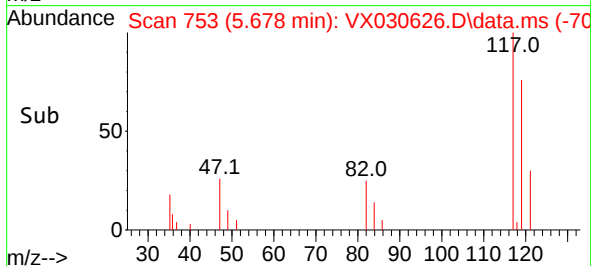
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:117 Resp: 4829
Ion Ratio Lower Upper
117 100
119 100.0 76.2 114.2

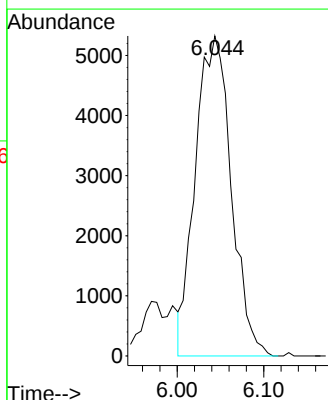
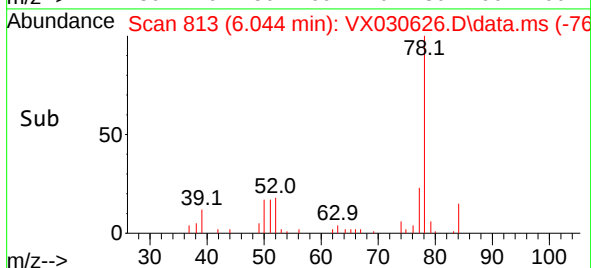
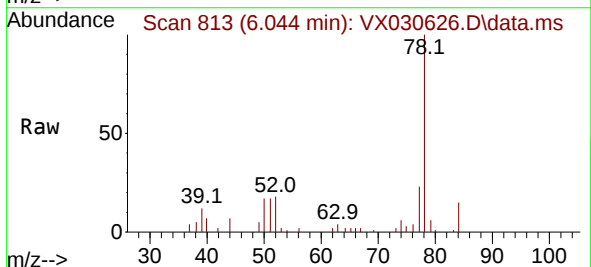
Manual Integrations
APPROVED

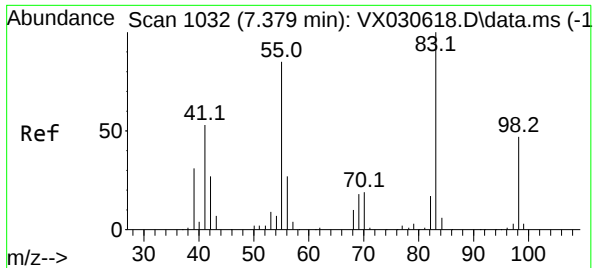
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#33
Benzene
Concen: 2.153 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion: 78 Resp: 15283





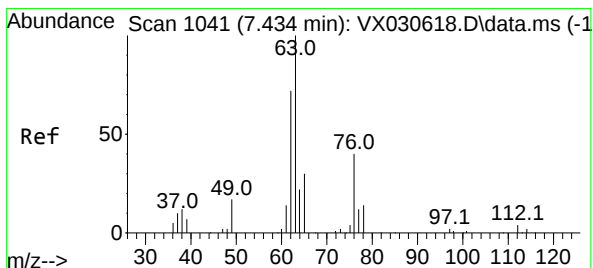
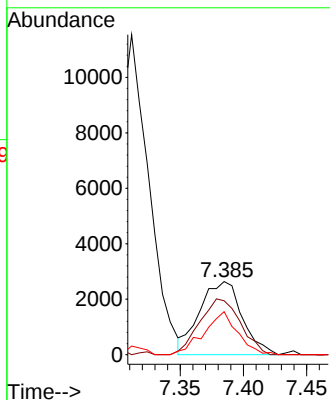
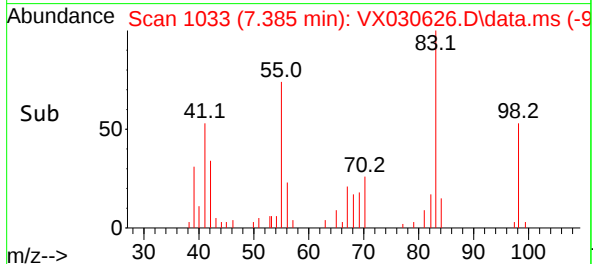
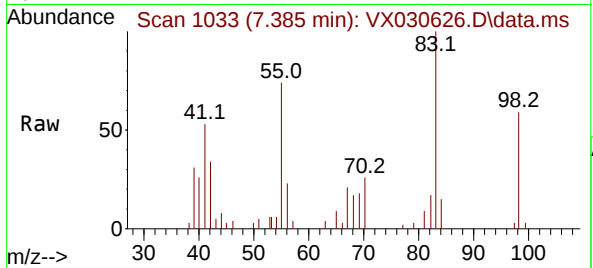
#35
Methylcyclohexane
Concen: 2.058 ug/L
RT: 7.385 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05

Tgt Ion: 83 Resp: 6159
Ion Ratio Lower Upper
83 100
55 73.3 64.0 96.0
98 46.5 36.7 55.1

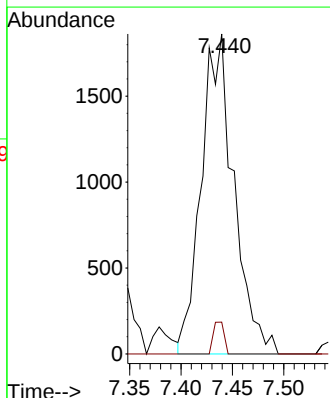
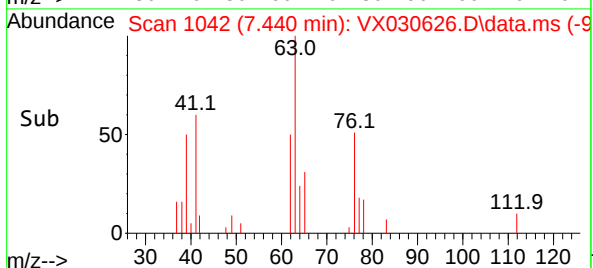
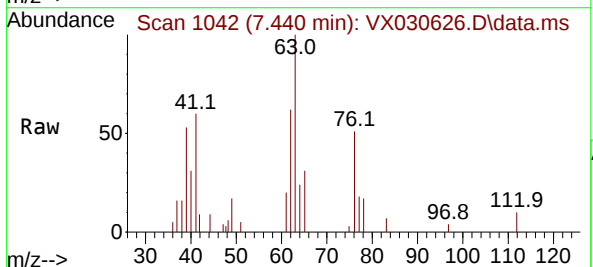
Manual Integrations
APPROVED

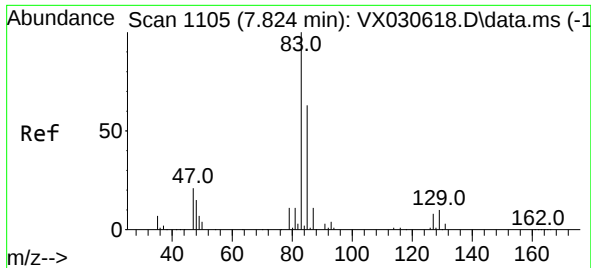
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#37
1,2-Dichloropropane
Concen: 2.165 ug/L
RT: 7.440 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion: 63 Resp: 4085
Ion Ratio Lower Upper
63 100
112 3.3 3.0 4.4





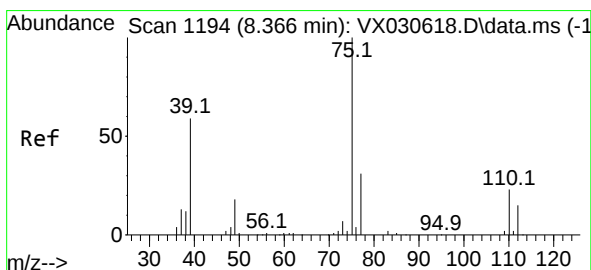
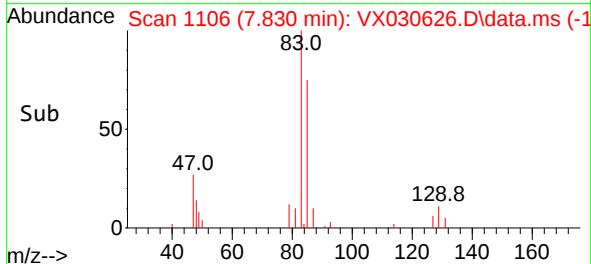
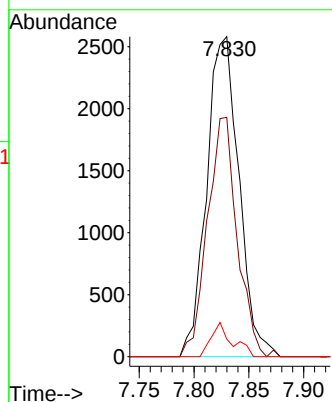
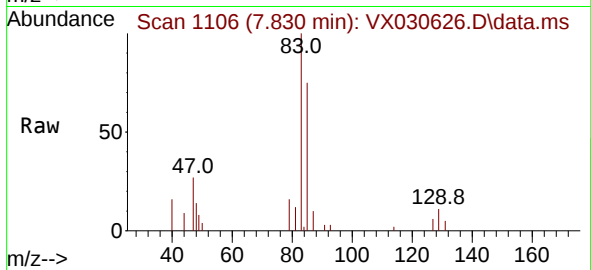
#38
Bromodichloromethane
Concen: 2.122 ug/L
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion: 83 Resp: 5300
Ion Ratio Lower Upper
83 100
85 74.8 42.5 78.9
127 5.5 6.2 9.2

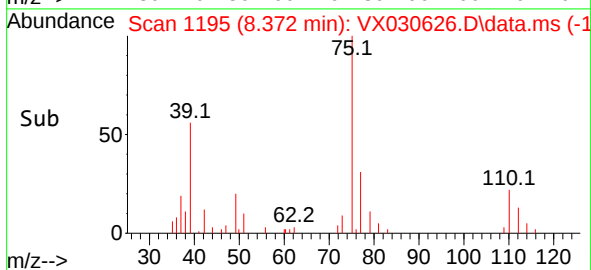
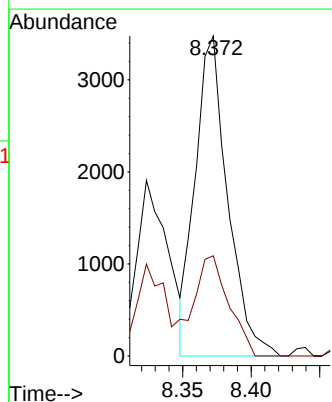
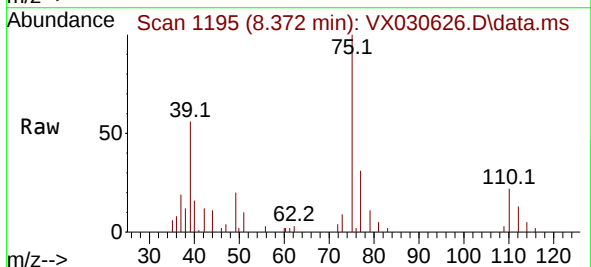
Manual Integrations
APPROVED

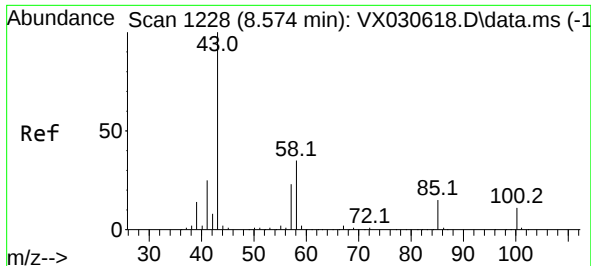
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#39
cis-1,3-Dichloropropene
Concen: 2.030 ug/L
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion: 75 Resp: 5714
Ion Ratio Lower Upper
75 100
77 31.3 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 4.321 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

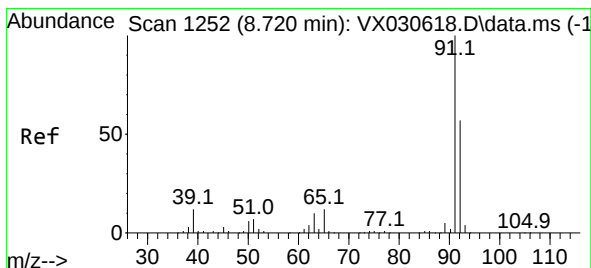
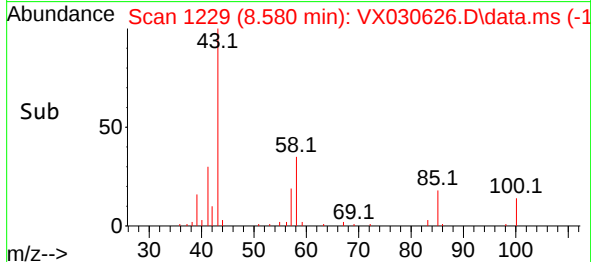
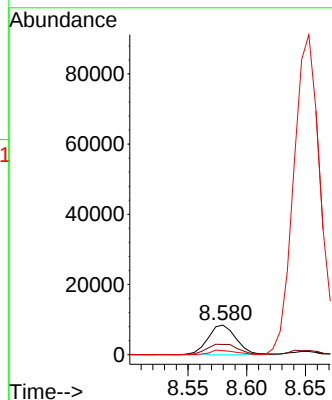
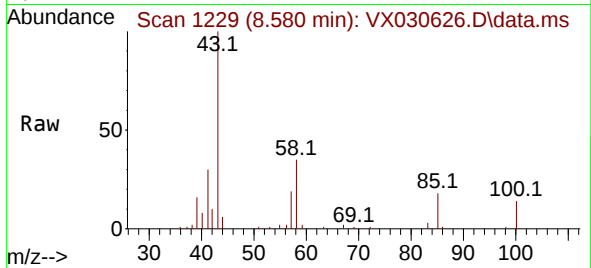
Tgt Ion: 43 Resp: 14198
 Ion Ratio Lower Upper
 43 100
 58 39.9 29.0 43.6
 100 14.0 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#42

Toluene

Concen: 2.074 ug/L

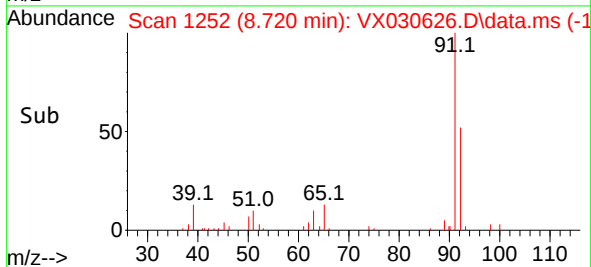
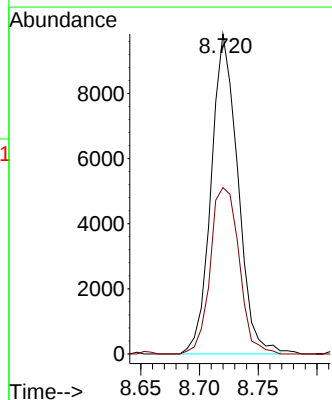
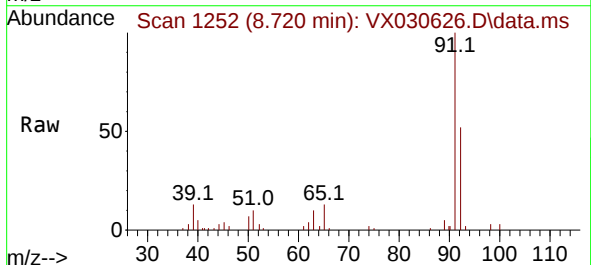
RT: 8.720 min Scan# 1252

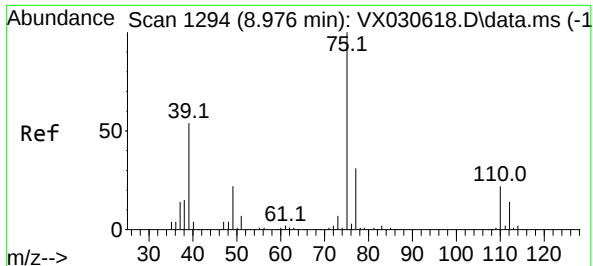
Delta R.T. -0.000 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Tgt Ion: 91 Resp: 15548
 Ion Ratio Lower Upper
 91 100
 92 52.0 40.0 74.4





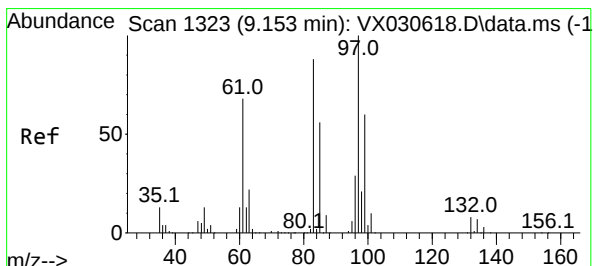
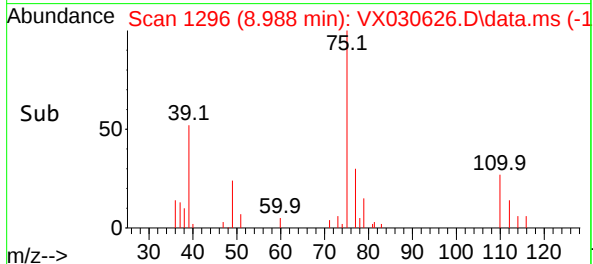
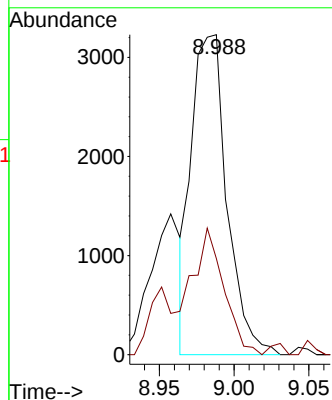
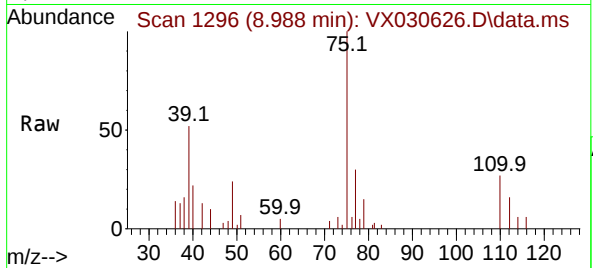
#44
trans-1,3-Dichloropropene
Concen: 1.928 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05

Tgt Ion: 75 Resp: 531
Ion Ratio Lower Upper
75 100
77 30.1 22.5 41.7

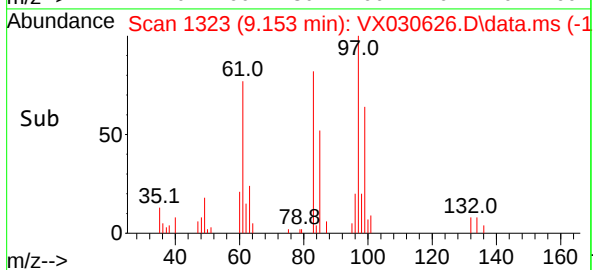
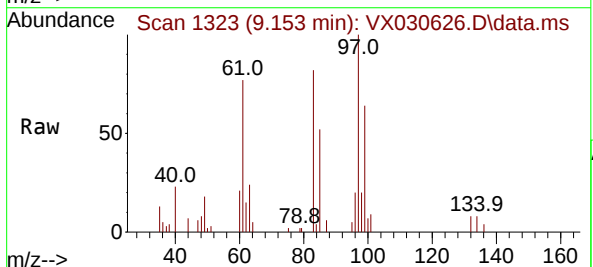
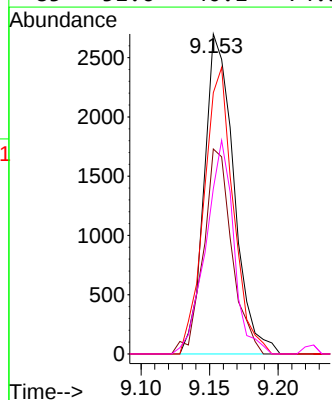
Manual Integrations
APPROVED

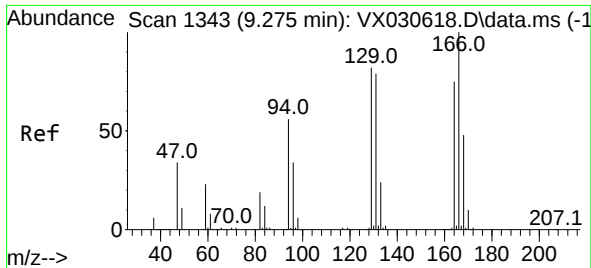
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#45
1,1,2-Trichloroethane
Concen: 2.318 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

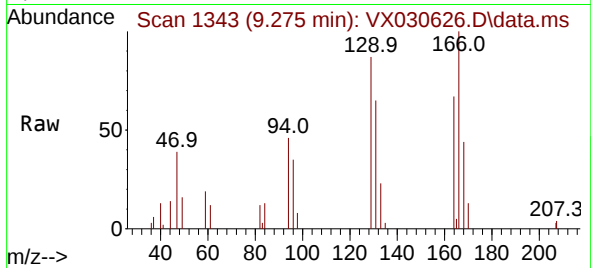
Tgt Ion: 97 Resp: 4068
Ion Ratio Lower Upper
97 100
99 64.0 43.3 80.3
83 81.6 63.0 117.0
85 51.6 40.1 74.5





#46
Tetrachloroethene
Concen: 1.829 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

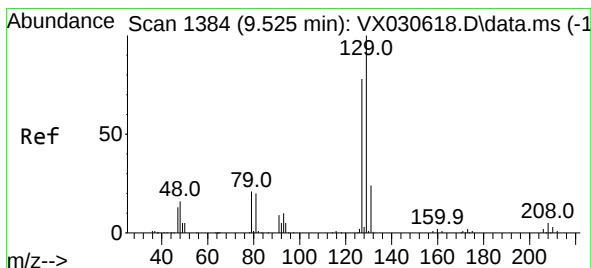
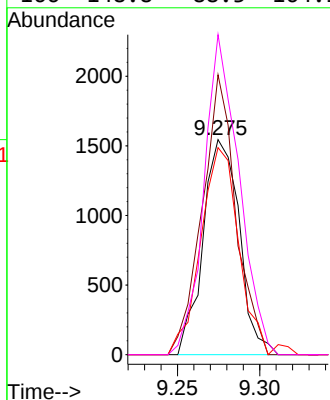
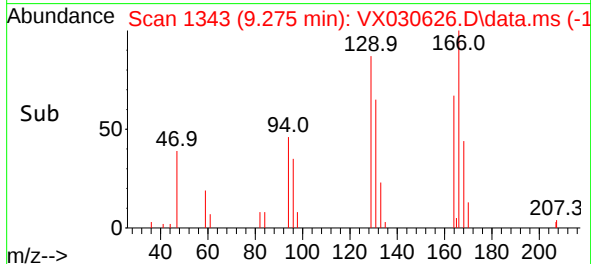
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05



Tgt Ion:164 Resp: 2370
Ion Ratio Lower Upper
164 100
129 130.2 72.7 135.1
131 96.3 69.9 129.9
166 148.8 88.3 164.1

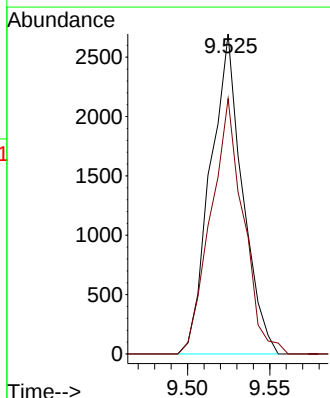
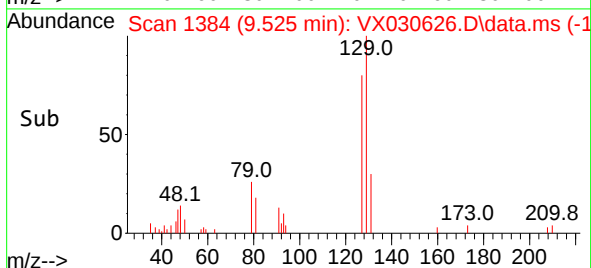
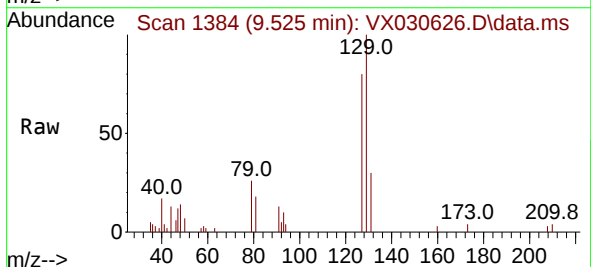
Manual Integrations
APPROVED

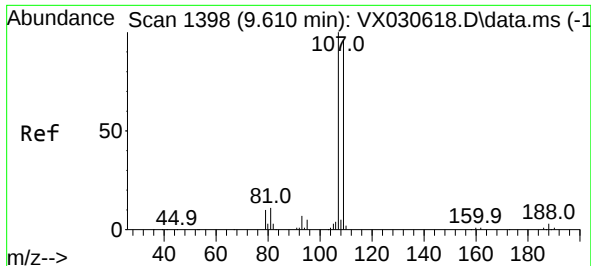
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#49
Dibromochloromethane
Concen: 1.961 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion:129 Resp: 3660
Ion Ratio Lower Upper
129 100
127 79.8 55.6 103.2





#50

1,2-Dibromoethane

Concen: 2.087 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

Tgt Ion:107 Resp: 402

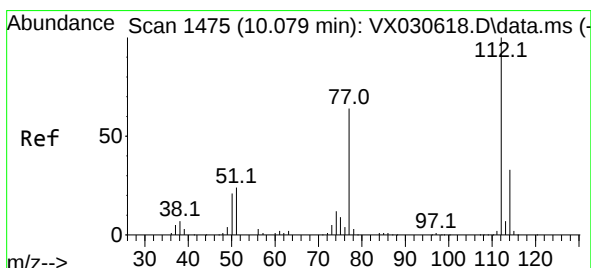
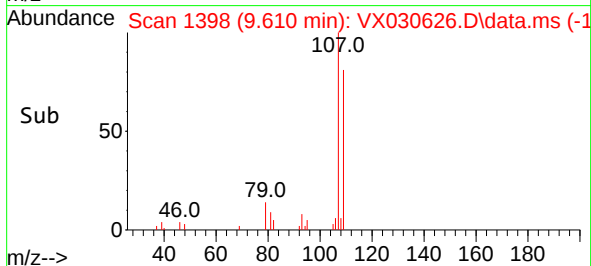
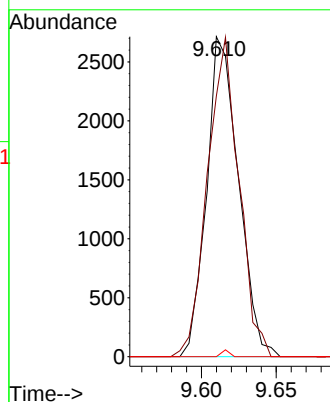
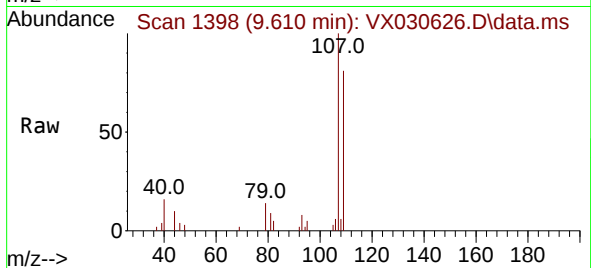
Ion	Ratio	Lower	Upper
107	100		
109	81.4	64.8	120.4
188	0.0	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#51

Chlorobenzene

Concen: 2.150 ug/L

RT: 10.079 min Scan# 1475

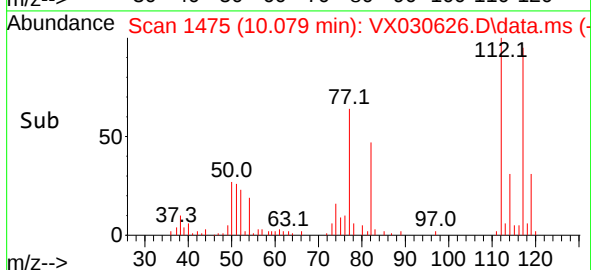
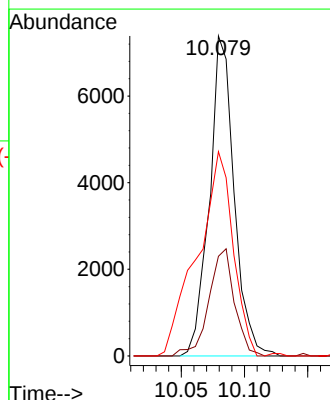
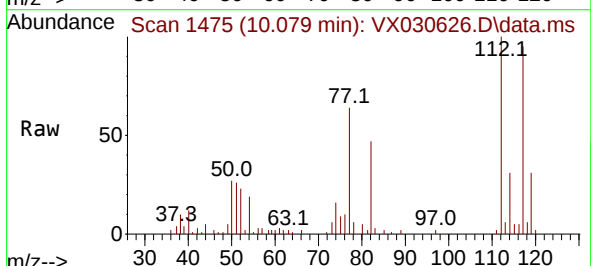
Delta R.T. -0.000 min

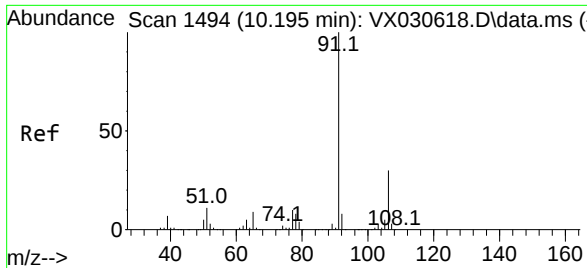
Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Tgt Ion:112 Resp: 10043

Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.5
77	63.8	50.8	76.2





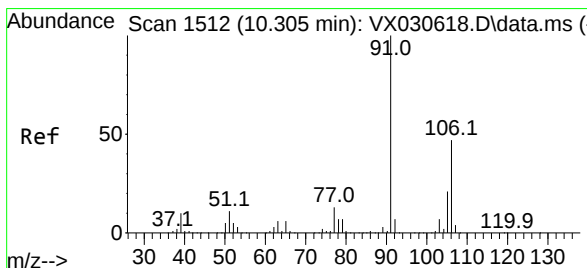
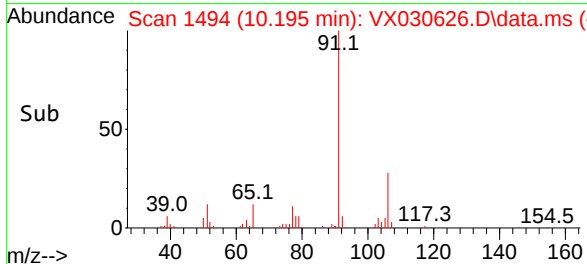
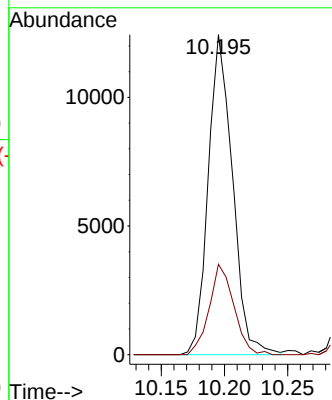
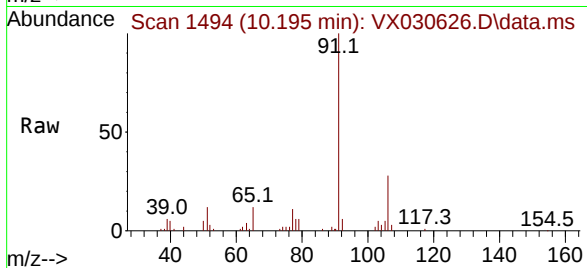
#52
Ethylbenzene
Concen: 2.029 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05

Tgt Ion: 91 Resp: 16580
Ion Ratio Lower Upper
91 100
106 28.2 21.3 39.5

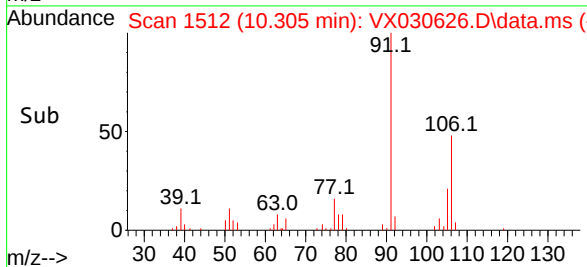
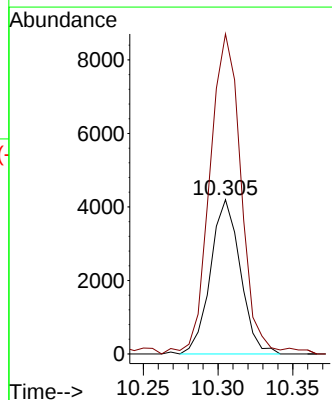
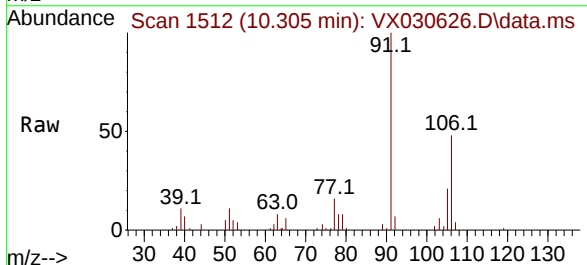
Manual Integrations
APPROVED

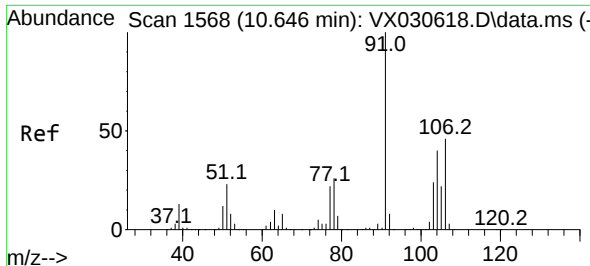
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#53
m,p-Xylene
Concen: 1.911 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

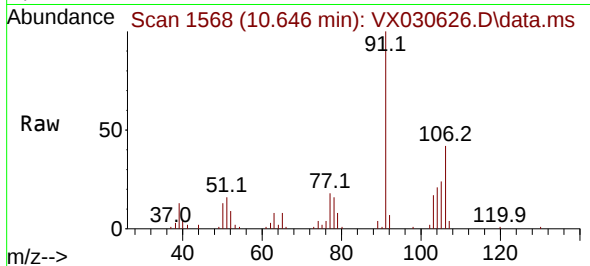
Tgt Ion:106 Resp: 5822
Ion Ratio Lower Upper
106 100
91 207.5 147.8 274.6





#54
o-Xylene
Concen: 1.860 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

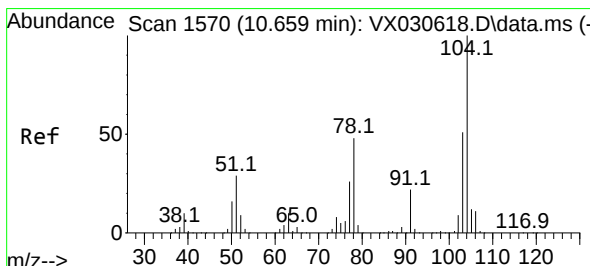
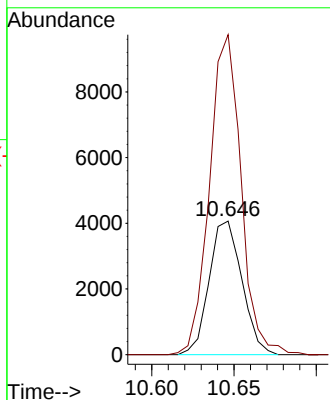
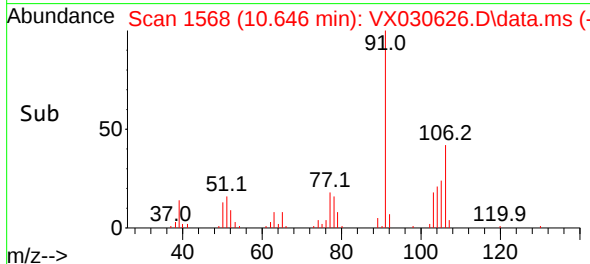
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05



Tgt Ion:106 Resp: 564
Ion Ratio Lower Upper
106 100
91 239.5 157.8 293.0

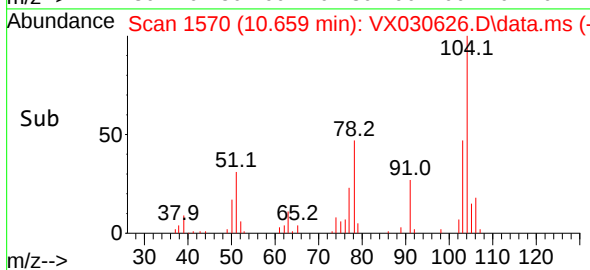
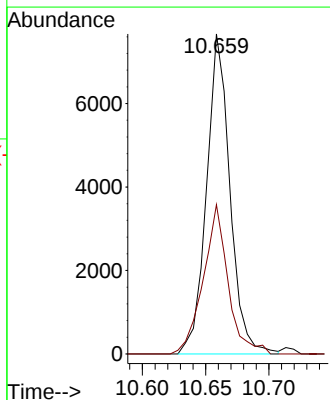
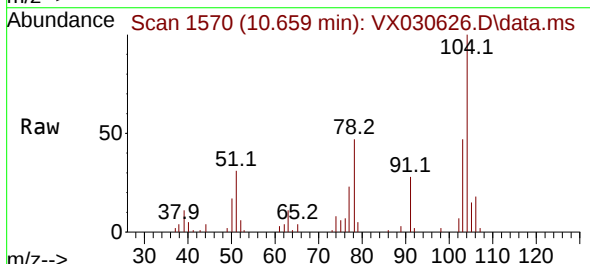
Manual Integrations
APPROVED

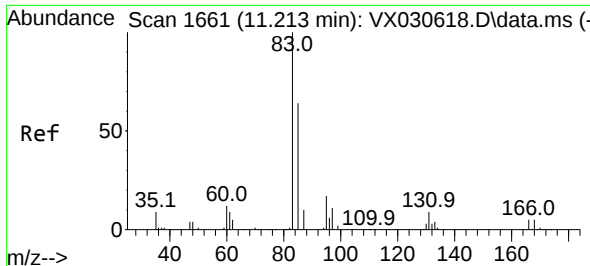
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#55
Styrene
Concen: 1.931 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion:104 Resp: 9872
Ion Ratio Lower Upper
104 100
78 46.6 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 2.701 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

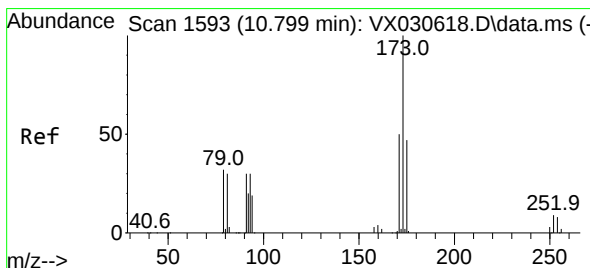
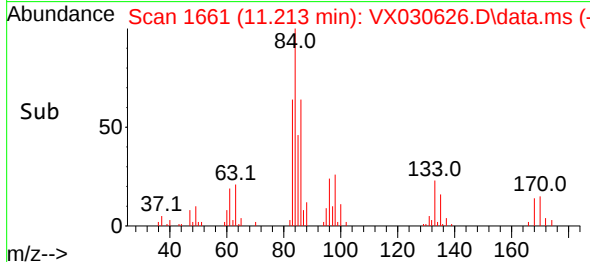
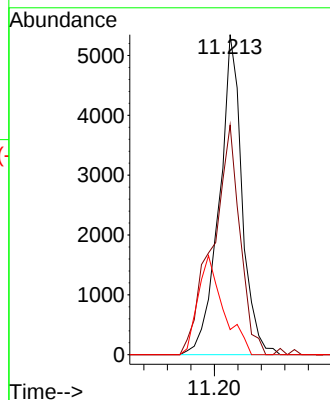
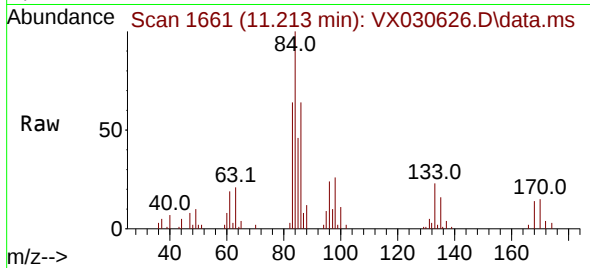
Tgt Ion: 83	Resp: 721
Ion Ratio	Lower Upper
83 100	
85 71.8	44.4 82.4
131 7.9	7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#59

Bromoform

Concen: 2.104 ug/L

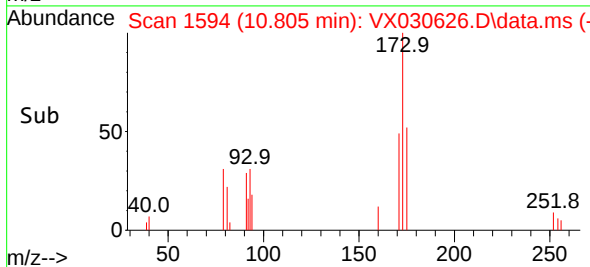
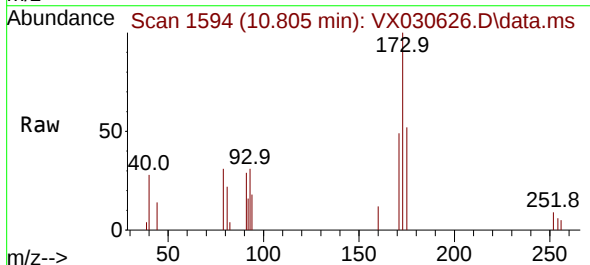
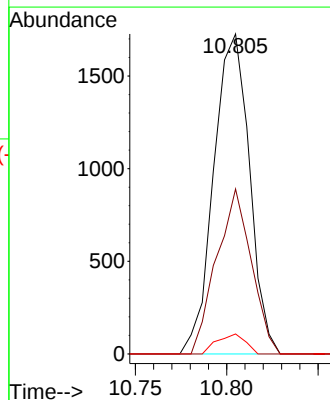
RT: 10.805 min Scan# 1594

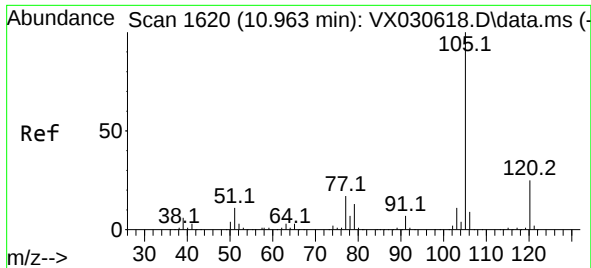
Delta R.T. 0.006 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Tgt Ion: 173	Resp: 2350
Ion Ratio	Lower Upper
173 100	
175 50.2	38.9 58.3
254 5.0	7.0 10.4





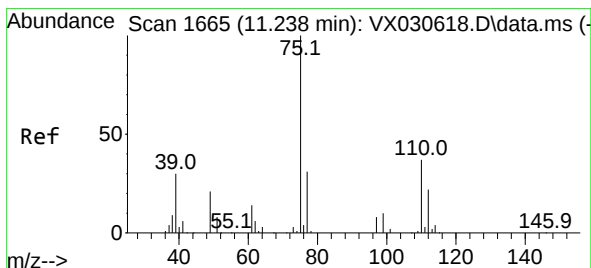
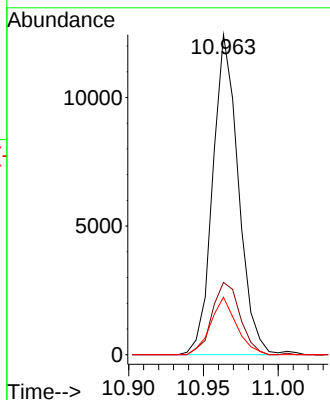
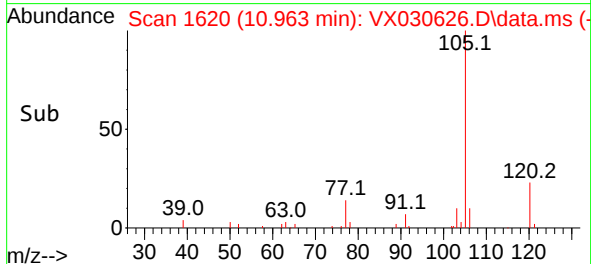
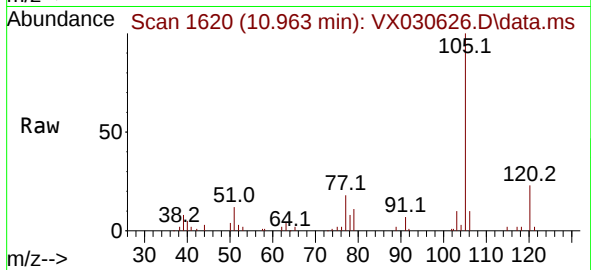
#60
Isopropylbenzene
Concen: 2.043 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion:105 Resp: 14850
Ion Ratio Lower Upper
105 100
120 24.7 20.6 31.0
77 18.2 13.5 20.3

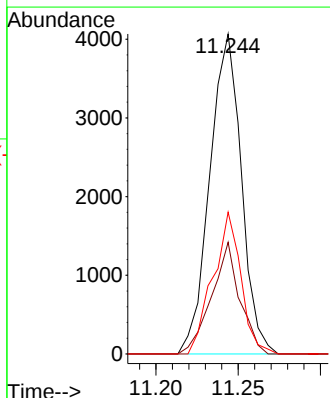
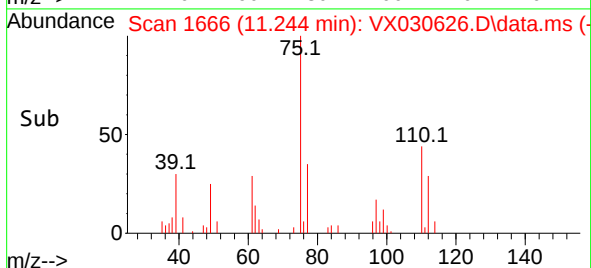
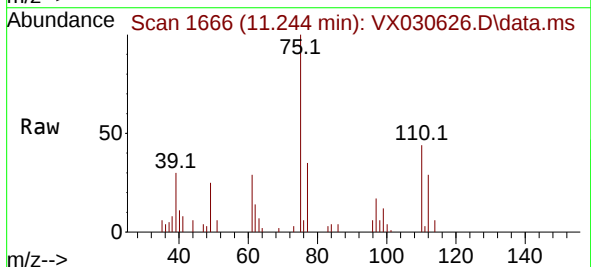
Manual Integrations
APPROVED

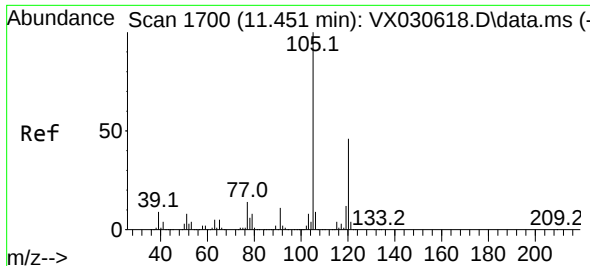
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#61
1,2,3-Trichloropropane
Concen: 2.468 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

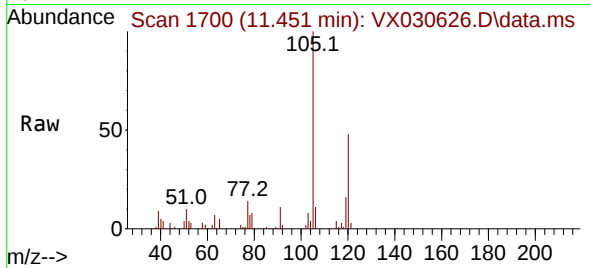
Tgt Ion: 75 Resp: 5435
Ion Ratio Lower Upper
75 100
77 31.2 26.1 39.1
110 39.2 30.5 45.7





#62
1,3,5-Trimethylbenzene
Concen: 1.914 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

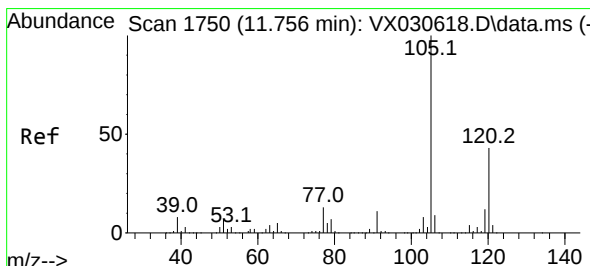
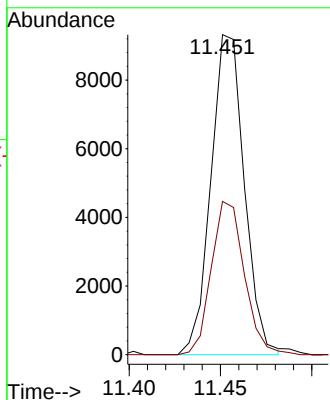
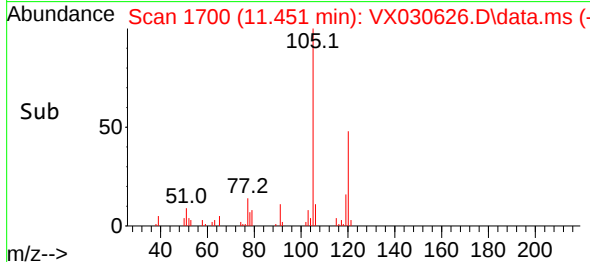
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



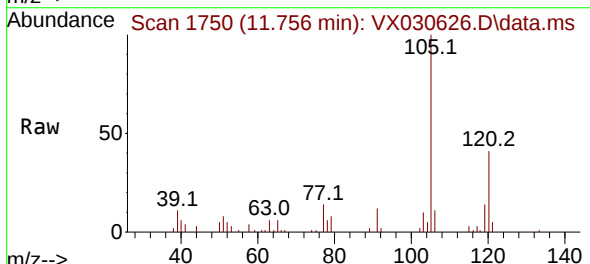
Tgt Ion:105 Resp: 11870
Ion Ratio Lower Upper
105 100
120 47.4 37.2 55.8

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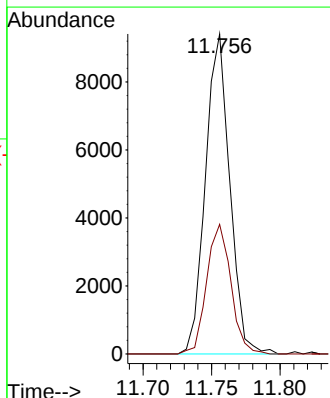
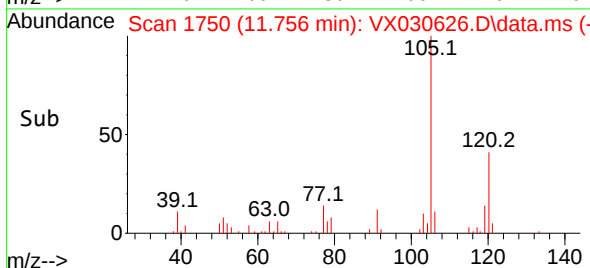
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

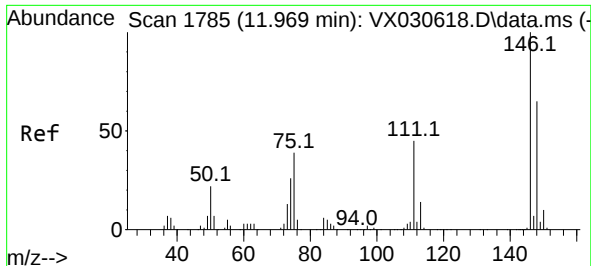


#63
1,2,4-Trimethylbenzene
Concen: 1.855 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37



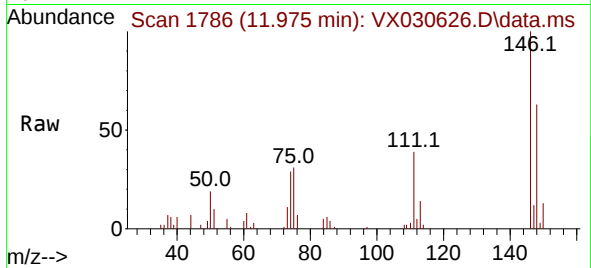
Tgt Ion:105 Resp: 11627
Ion Ratio Lower Upper
105 100
120 40.3 35.9 53.9





#64
1,3-Dichlorobenzene
Concen: 2.149 ug/L
RT: 11.975 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

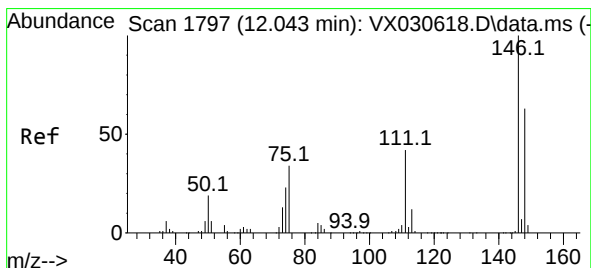
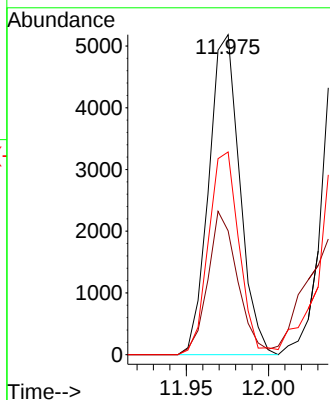
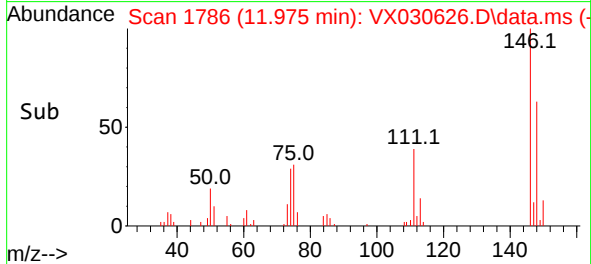
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



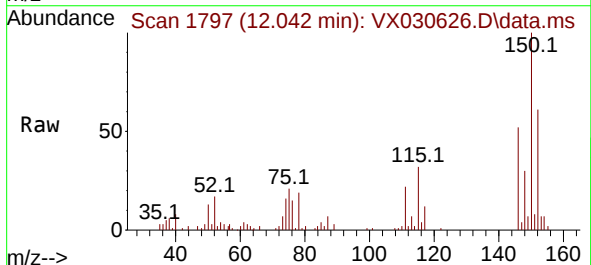
Tgt Ion:146 Resp: 679
Ion Ratio Lower Upper
146 100
111 38.7 30.9 57.5
148 63.3 42.6 79.0

Manual Integrations
APPROVED

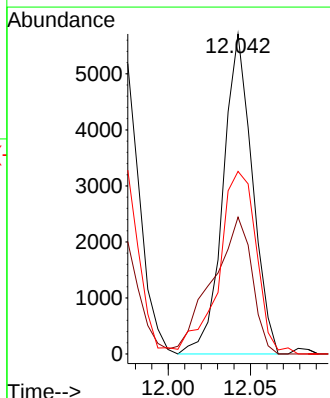
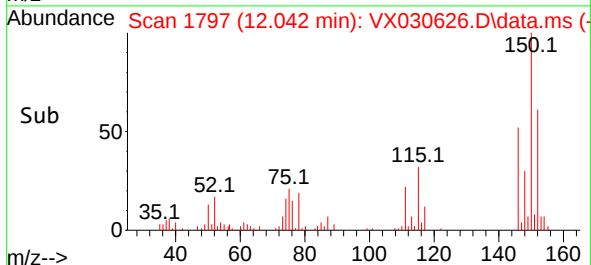
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

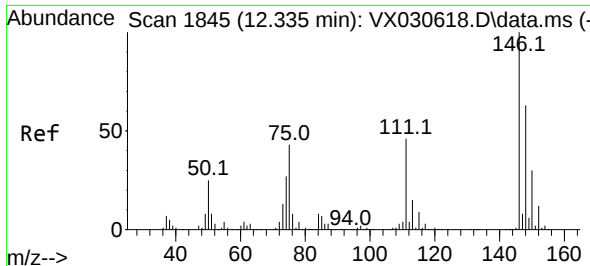


#65
1,4-Dichlorobenzene
Concen: 2.201 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37



Tgt Ion:146 Resp: 7069
Ion Ratio Lower Upper
146 100
111 42.8 32.6 60.6
148 57.0 48.3 89.7





#67

1,2-Dichlorobenzene

Concen: 2.369 ug/L

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-05

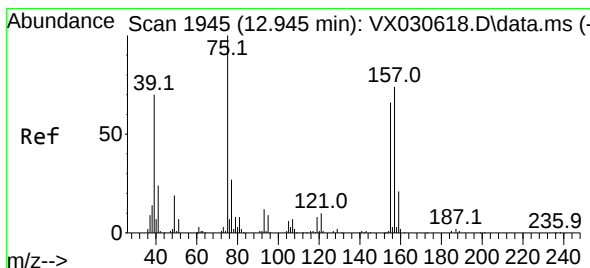
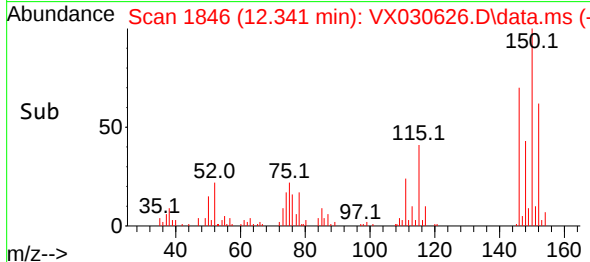
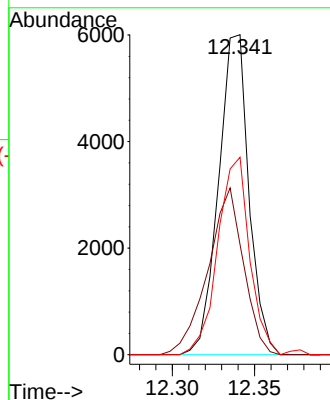
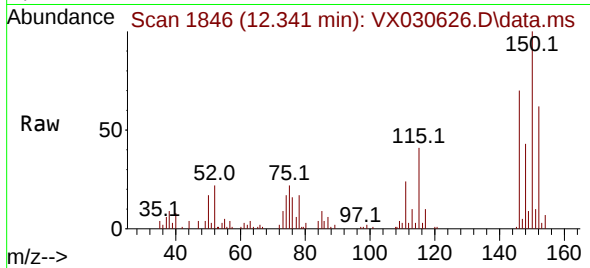
Tgt Ion:146	Resp:	774
Ion Ratio	Lower	Upper
146	100	
111	34.4	36.9 55.3
148	61.7	49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.391 ug/L

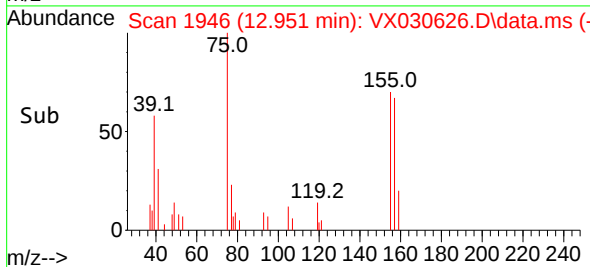
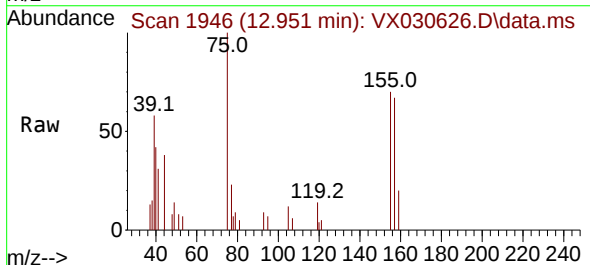
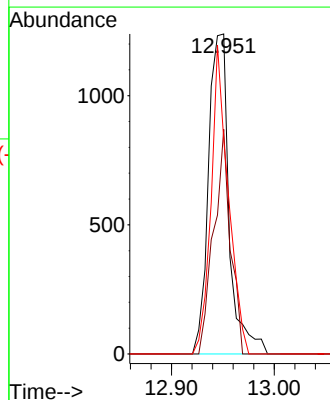
RT: 12.951 min Scan# 1946

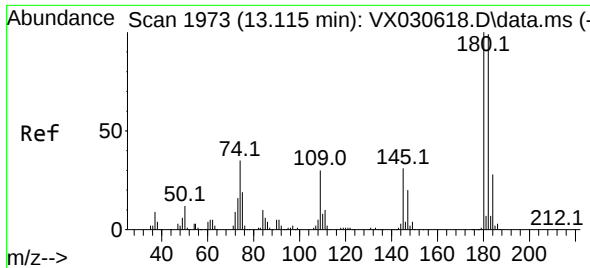
Delta R.T. 0.006 min

Lab File: VX030626.D

Acq: 15 Aug 2022 14:37

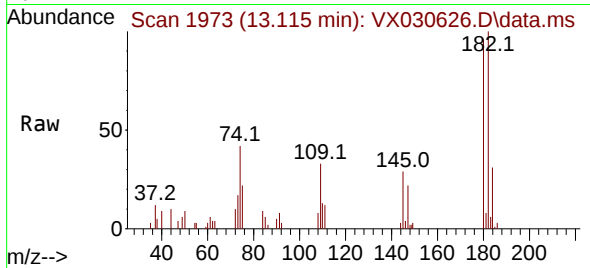
Tgt Ion: 75	Resp:	1737
Ion Ratio	Lower	Upper
75	100	
155	70.2	57.1 85.7
157	67.1	73.1 109.7





#69
1,3,5-Trichlorobenzene
Concen: 1.935 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

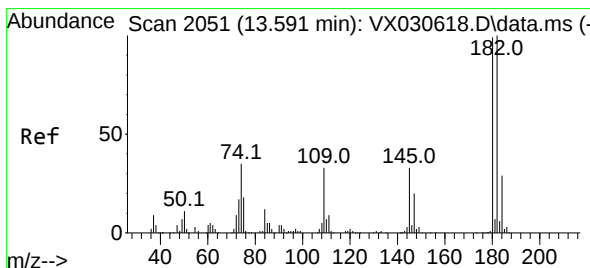
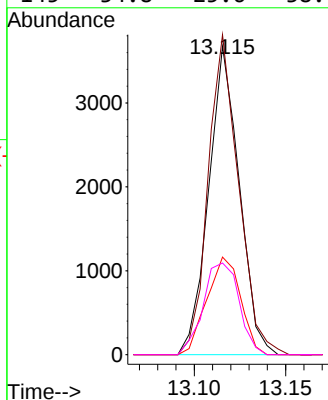
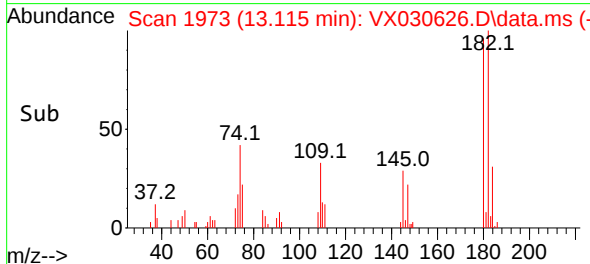
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:180 Resp: 4289
Ion Ratio Lower Upper
180 100
182 102.6 73.7 110.5
184 34.9 24.1 36.1
145 34.8 25.6 38.4

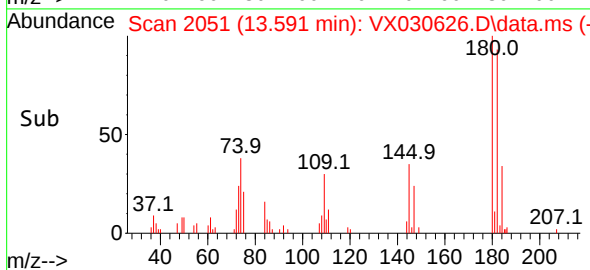
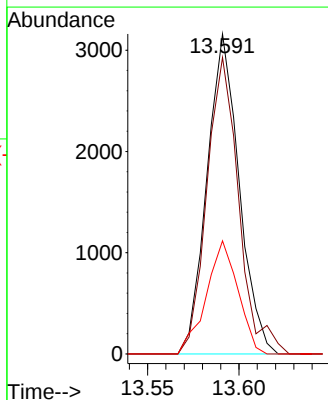
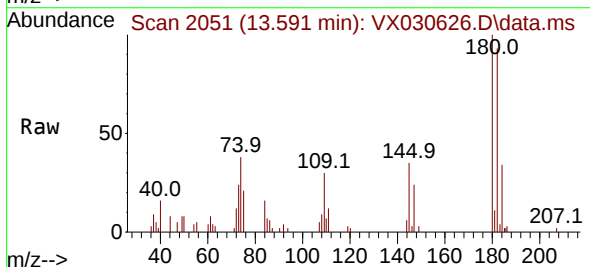
Manual Integrations
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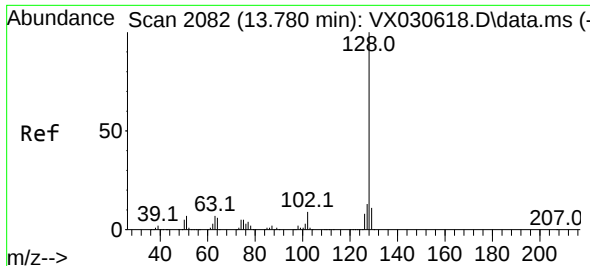
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#70
1,2,4-trichlorobenzene
Concen: 1.990 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

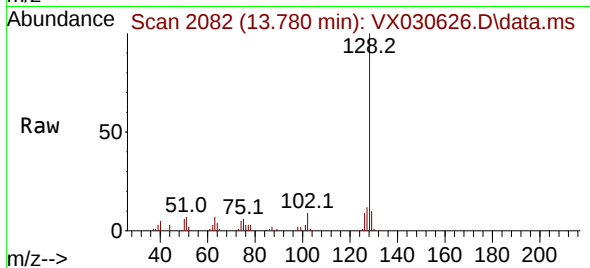
Tgt Ion:180 Resp: 3873
Ion Ratio Lower Upper
180 100
182 87.9 72.7 109.1
145 34.8 26.6 40.0





#71
Naphthalene
Concen: 1.763 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

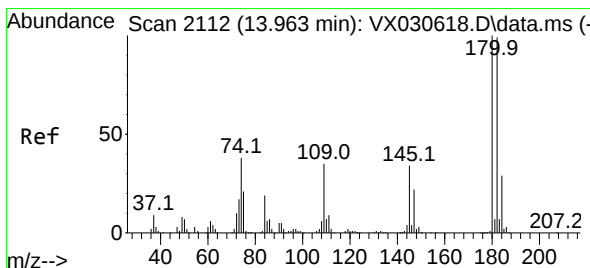
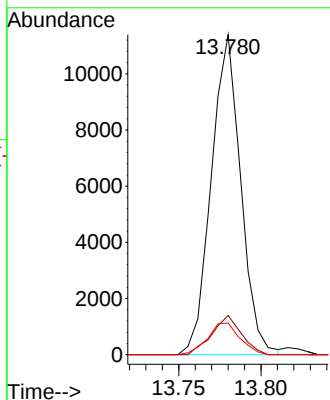
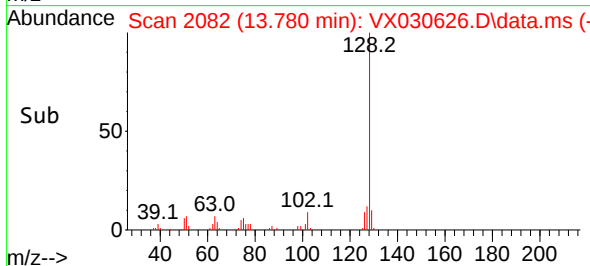
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-05



Tgt Ion:128 Resp: 14199
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.014 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX030626.D
Acq: 15 Aug 2022 14:37

Tgt Ion:180 Resp: 4140
Ion Ratio Lower Upper
180 100
182 96.2 74.6 112.0
145 37.6 28.4 42.6

