

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034233.D
 Acq On : 22 Feb 2023 16:55
 Operator : JC/MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 03:22:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/23/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	309877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	445886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207637	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	181675	43.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.060%
35) Dibromofluoromethane	5.385	113	158083	47.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	8.647	98	584241	49.382	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.760%
62) 4-Bromofluorobenzene	11.079	95	206533	45.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.280%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	1638	0.612	ug/l	99
3) Chloromethane	1.294	50	3014	0.782	ug/l	97
4) Vinyl Chloride	1.374	62	2673	0.762	ug/l	92
5) Bromomethane	1.618	94	1723	1.237	ug/l	96
6) Chloroethane	1.691	64	1532	0.868	ug/l	90
7) Trichlorofluoromethane	1.892	101	3728	0.785	ug/l	89
8) Diethyl Ether	2.136	74	1616	0.845	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	2280	0.682	ug/l	89
10) Methyl Iodide	2.453	142	2044	0.502	ug/l	98
11) Tert butyl alcohol	2.959	59	4917	5.268	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	2185	0.652	ug/l #	58
13) Acrolein	2.239	56	1732	4.065	ug/l	89
14) Allyl chloride	2.660	41	4921	0.692	ug/l	91
15) Acrylonitrile	3.068	53	5925	2.910	ug/l	100
16) Acetone	2.380	43	6820	3.168	ug/l	90
17) Carbon Disulfide	2.520	76	5653	0.587	ug/l #	94
18) Methyl Acetate	2.703	43	3795	0.570	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	7105	0.601	ug/l	97
20) Methylene Chloride	2.788	84	5207	1.342	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	2373	0.676	ug/l #	80
22) Diisopropyl ether	3.764	45	8170	0.655	ug/l #	80
23) Vinyl Acetate	3.727	43	30539	3.058	ug/l	99
24) 1,1-Dichloroethane	3.611	63	4129	0.603	ug/l #	91
25) 2-Butanone	4.580	43	8582	2.755	ug/l	96
26) 2,2-Dichloropropane	4.477	77	3699	0.597	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	2781	0.669	ug/l	98
28) Bromochloromethane	4.904	49	2326	0.762	ug/l #	87
29) Tetrahydrofuran	5.019	42	6569	3.457	ug/l	90
30) Chloroform	5.111	83	4199	0.639	ug/l #	76
31) Cyclohexane	5.464	56	3990	0.640	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	3705	0.629	ug/l #	48
36) 1,1-Dichloropropene	5.690	75	3139	0.644	ug/l	96
37) Ethyl Acetate	4.727	43	4331m	0.795	ug/l	
38) Carbon Tetrachloride	5.678	117	3386	0.675	ug/l	90
39) Methylcyclohexane	7.385	83	3594	0.573	ug/l	94
40) Benzene	6.044	78	8975	0.621	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	2164m	0.713	ug/l	
42) 1,2-Dichloroethane	6.092	62	3581	0.705	ug/l	97
43) Isopropyl Acetate	6.354	43	6111	0.636	ug/l #	96
44) Trichloroethene	7.129	130	2505	0.676	ug/l	84
45) 1,2-Dichloropropane	7.434	63	2555	0.665	ug/l	89
46) Dibromomethane	7.586	93	1675	0.662	ug/l #	85
47) Bromodichloromethane	7.824	83	2896	0.558	ug/l #	90
48) Methyl methacrylate	7.708	41	3025	0.663	ug/l	91
49) 1,4-Dioxane	7.690	88	1169	12.848	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	16022	3.030	ug/l	99
52) Toluene	8.720	92	5877	0.672	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	3328	0.557	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	3481	0.544	ug/l #	71
55) 1,1,2-Trichloroethane	9.153	97	2301	0.651	ug/l #	87
56) Ethyl methacrylate	9.122	69	3550	0.594	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	3981	0.648	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.251	63	8693	3.358	ug/l	96
59) 2-Hexanone	9.433	43	12059	2.992	ug/l	94
60) Dibromochloromethane	9.525	129	2243	0.575	ug/l	99
61) 1,2-Dibromoethane	9.616	107	2214	0.593	ug/l	91
64) Tetrachloroethene	9.275	164	2435	0.774	ug/l	91
65) Chlorobenzene	10.079	112	6453	0.694	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.159	131	2259	0.628	ug/l #	66
67) Ethyl Benzene	10.195	91	10808	0.647	ug/l	92
68) m/p-Xylenes	10.305	106	8203	1.284	ug/l	99
69) o-Xylene	10.646	106	4140	0.651	ug/l	96
70) Styrene	10.659	104	6318	0.611	ug/l #	90
71) Bromoform	10.805	173	1546	0.526	ug/l #	95
73) Isopropylbenzene	10.963	105	10137	0.641	ug/l	98
74) N-amyl acetate	10.848	43	4892	0.615	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	3431	0.634	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	2849m	0.545	ug/l	
77) Bromobenzene	11.201	156	2656	0.697	ug/l	83
78) n-propylbenzene	11.305	91	10929	0.594	ug/l	99
79) 2-Chlorotoluene	11.366	91	7232	0.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	7655	0.575	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.018	75	789m	0.388	ug/l	
82) 4-Chlorotoluene	11.451	91	7676	0.597	ug/l	99
83) tert-Butylbenzene	11.713	119	8961	0.658	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	7676	0.571	ug/l	98
85) sec-Butylbenzene	11.890	105	10113	0.611	ug/l	99
86) p-Isopropyltoluene	12.006	119	7777	0.568	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	4909	0.687	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	4929m	0.684	ug/l	
89) n-Butylbenzene	12.335	91	6481	0.531	ug/l	100
90) Hexachloroethane	12.536	117	1495	0.522	ug/l	83
91) 1,2-Dichlorobenzene	12.341	146	4372	0.626	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	606	0.470	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	2724	0.607	ug/l	95
94) Hexachlorobutadiene	13.725	225	1210	0.651	ug/l	96
95) Naphthalene	13.780	128	9531	0.631	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2546	0.572	ug/l	93

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Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

Manual Integrations
APPROVED

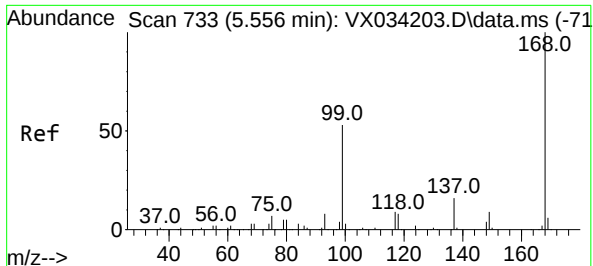
Reviewed By :John
Carlone

02/23/2023
Supervised By :Mahesh
Dadoda

02/23/2023

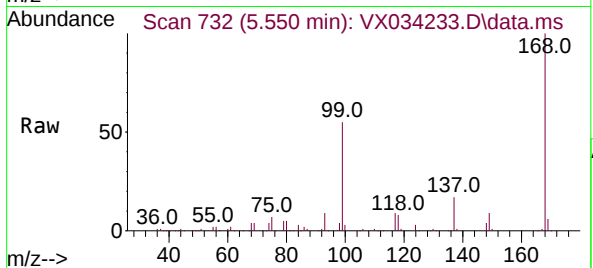
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034233.D
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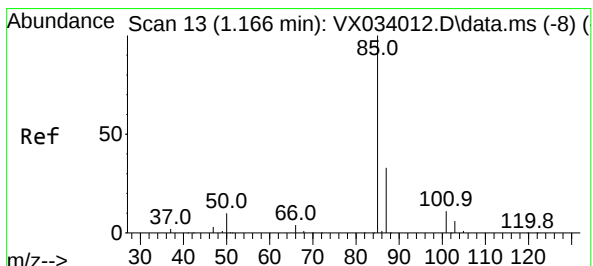
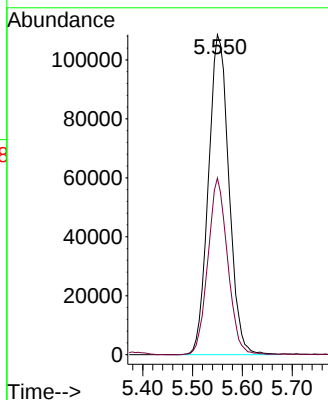
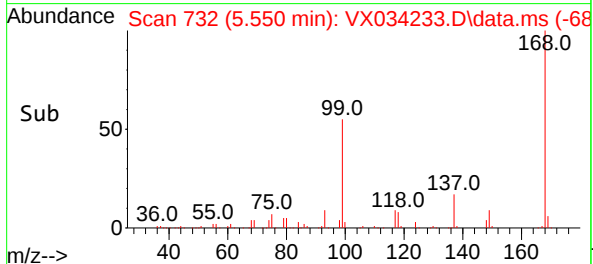
Tgt Ion:168 Resp: 30987
Ion Ratio Lower Upper
168 100
99 55.2 39.6 59.4

Manual Integrations
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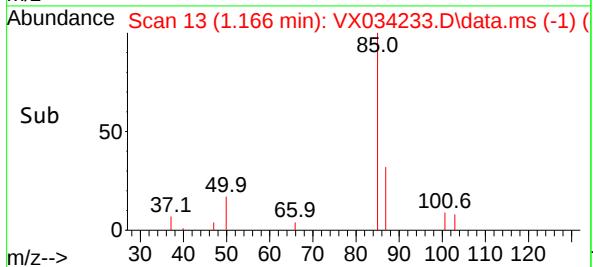
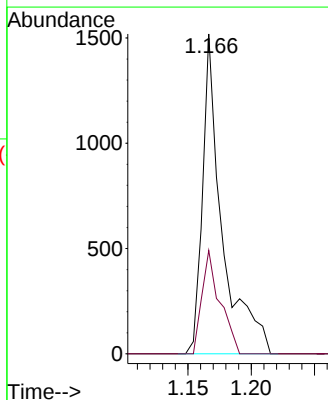
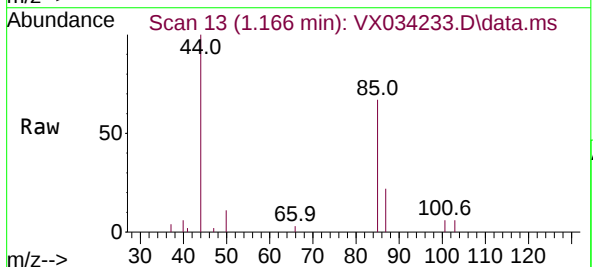
02/23/2023
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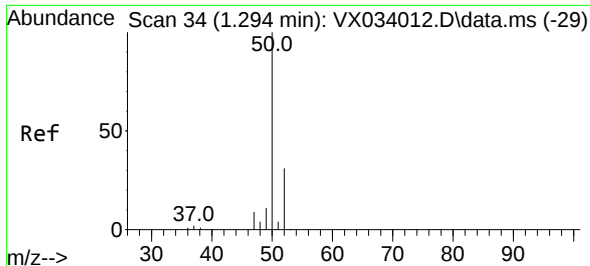
02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.612 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

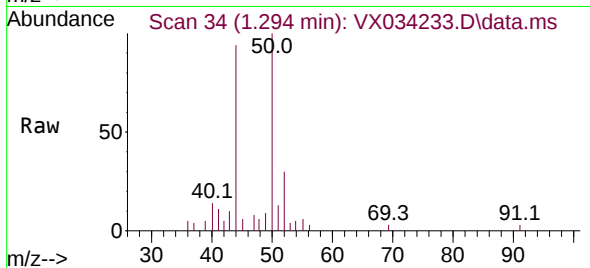
Tgt Ion: 85 Resp: 1638
Ion Ratio Lower Upper
85 100
87 32.3 15.8 47.4





#3
Chloromethane
Concen: 0.782 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



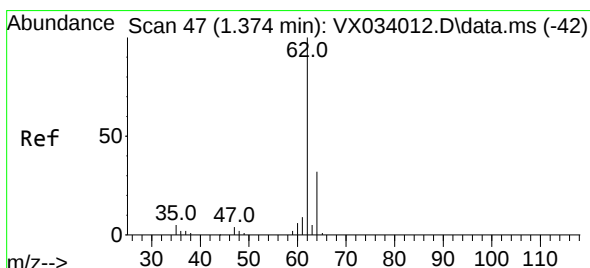
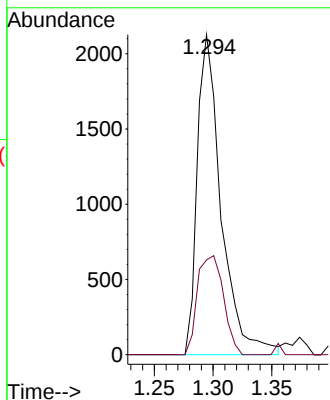
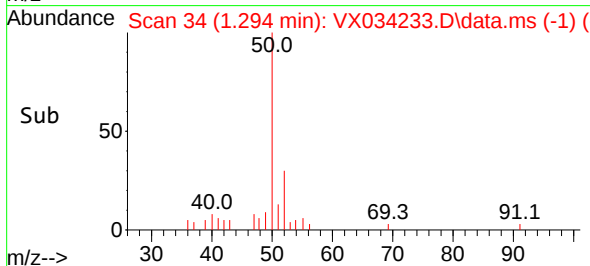
Tgt Ion: 50 Resp: 3014
Ion Ratio Lower Upper
50 100
52 29.6 25.2 37.8

Manual Integrations
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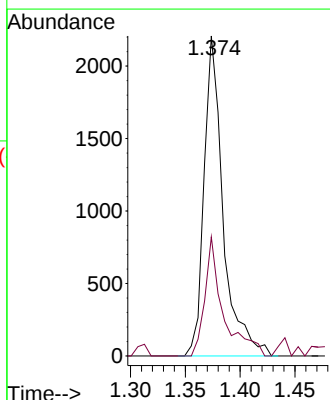
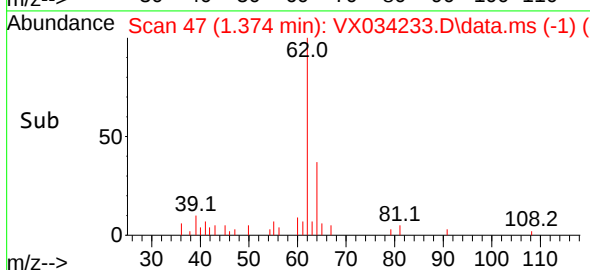
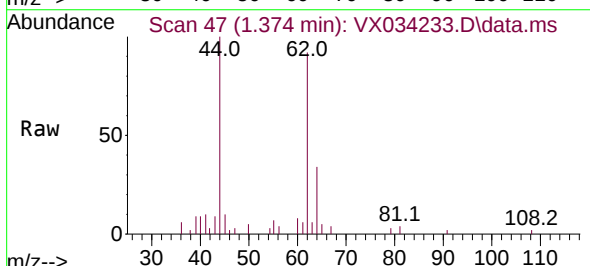
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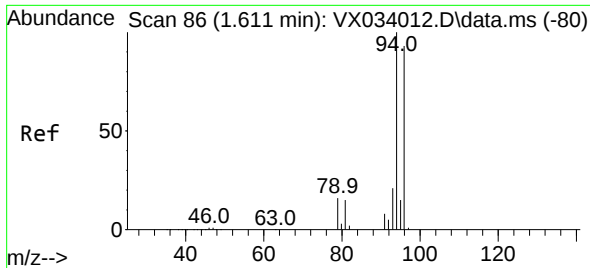
02/23/2023



#4
Vinyl Chloride
Concen: 0.762 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

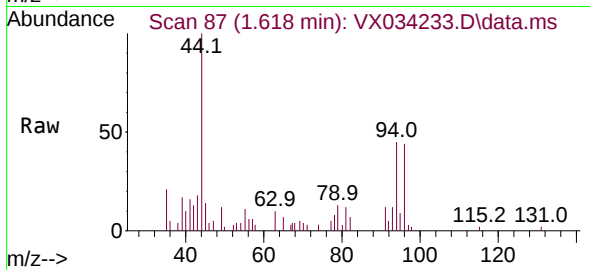
Tgt Ion: 62 Resp: 2673
Ion Ratio Lower Upper
62 100
64 37.2 26.2 39.4





#5
Bromomethane
Concen: 1.237 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



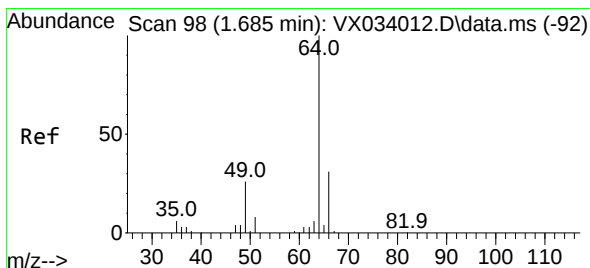
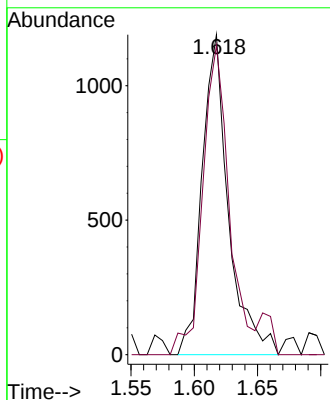
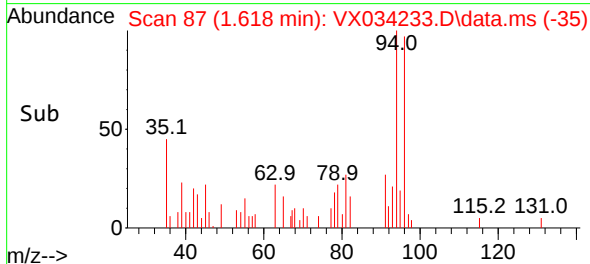
Tgt Ion: 94 Resp: 172
Ion Ratio Lower Upper
94 100
96 96.6 74.3 111.5

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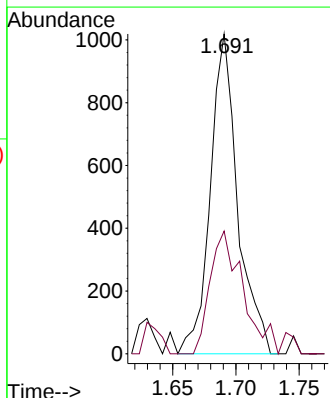
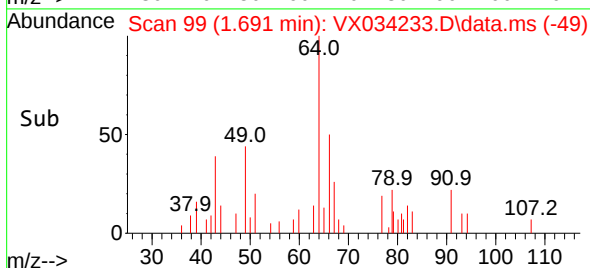
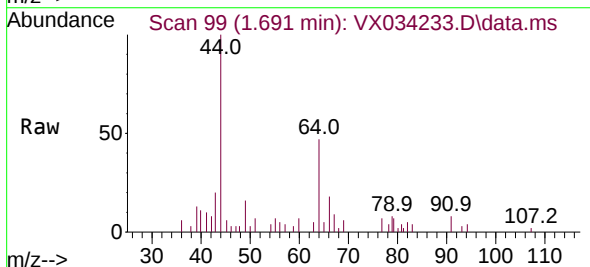
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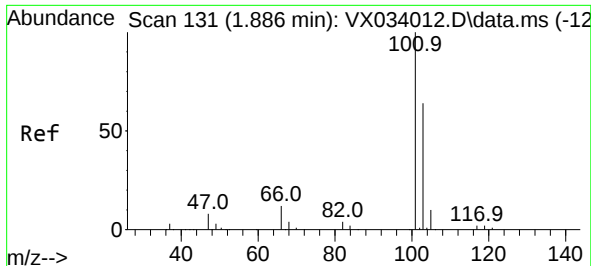
02/23/2023



#6
Chloroethane
Concen: 0.868 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 64 Resp: 1532
Ion Ratio Lower Upper
64 100
66 38.4 26.1 39.1





#7
Trichlorofluoromethane
Concen: 0.785 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

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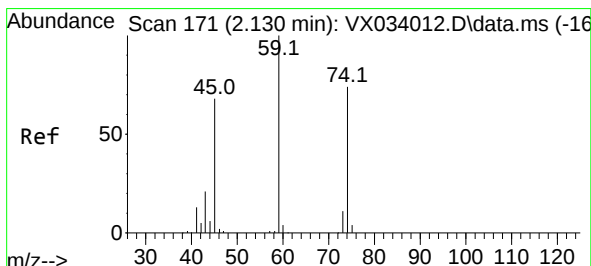
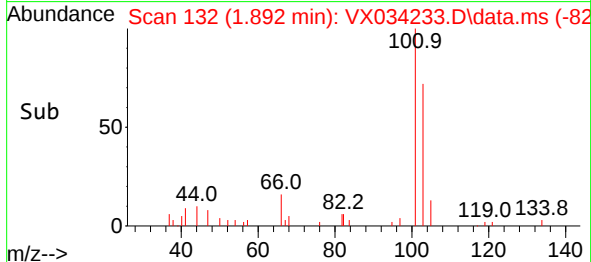
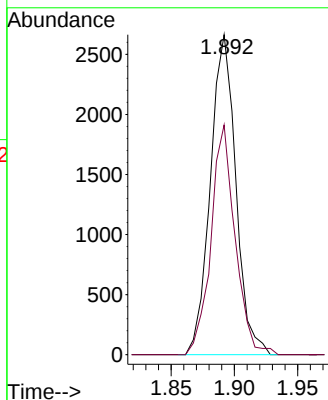
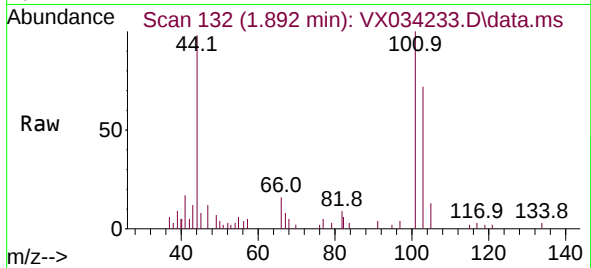
Tgt Ion:101 Resp: 3728
Ion Ratio Lower Upper
101 100
103 71.8 50.6 75.8

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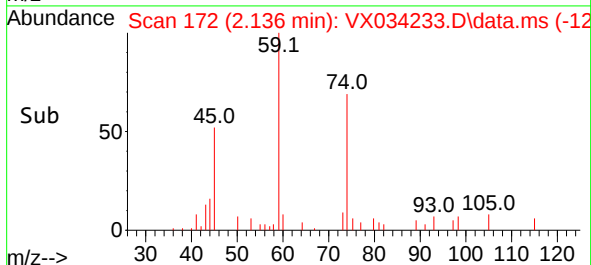
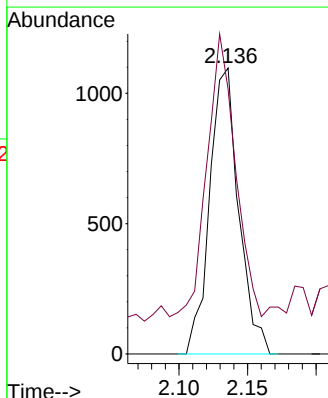
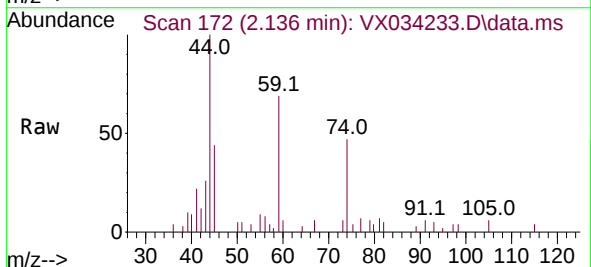
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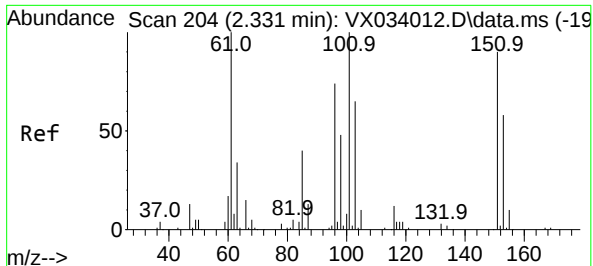
02/23/2023



#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 74 Resp: 1616
Ion Ratio Lower Upper
74 100
45 97.8 51.5 154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.682 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
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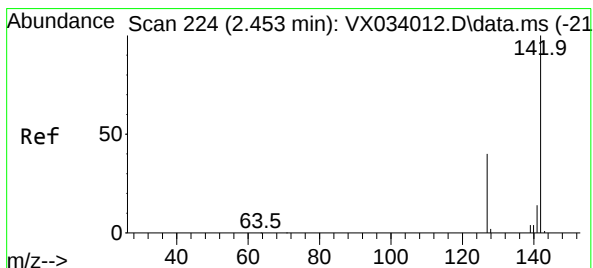
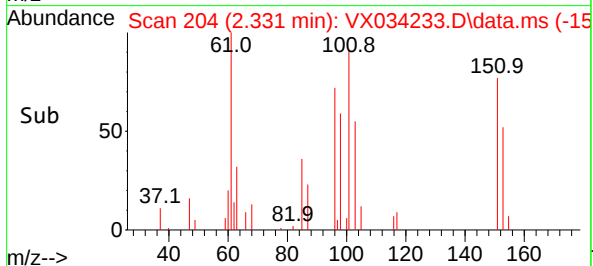
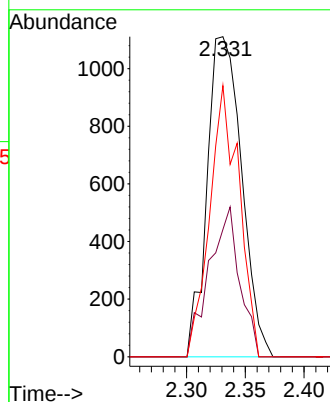
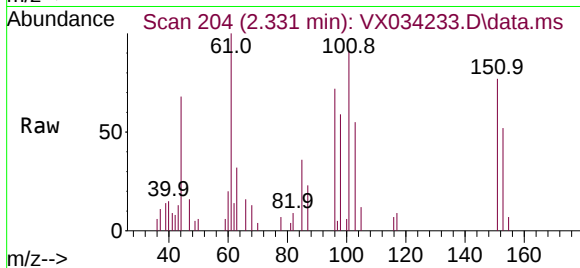
Tgt Ion:101 Resp: 2280
Ion Ratio Lower Upper
101 100
85 41.1 36.7 55.1
151 71.8 66.5 99.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

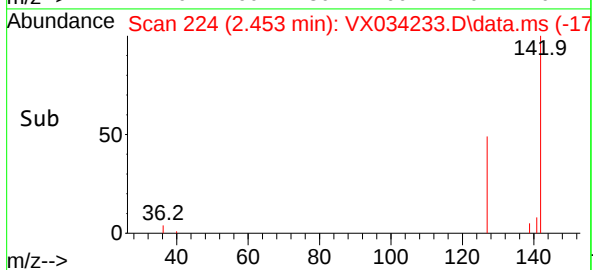
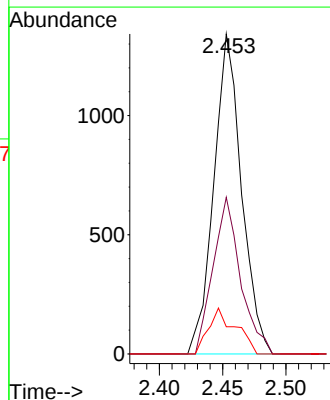
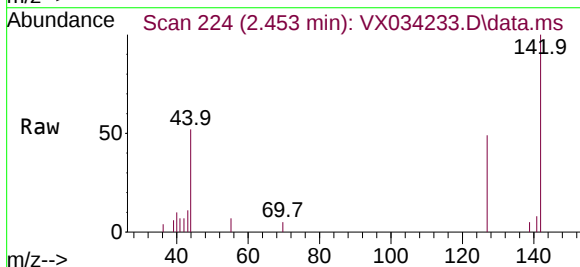
02/23/2023
Supervised By :Mahesh
Dadoda

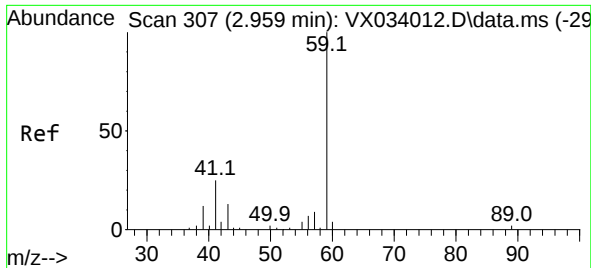
02/23/2023



#10
Methyl Iodide
Concen: 0.502 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

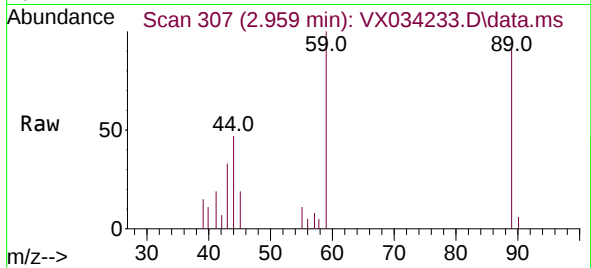
Tgt Ion:142 Resp: 2044
Ion Ratio Lower Upper
142 100
127 48.5 37.3 55.9
141 14.0 11.5 17.3





#11
Tert butyl alcohol
Concen: 5.268 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



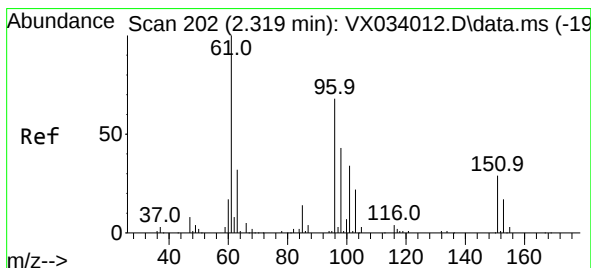
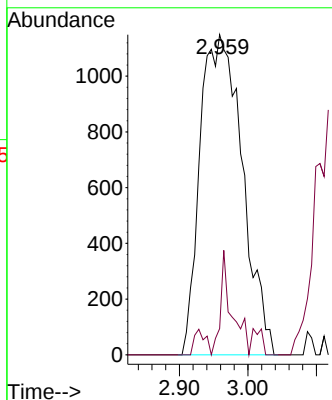
Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 8.6 3.7 5.5

Manual Integrations
APPROVED

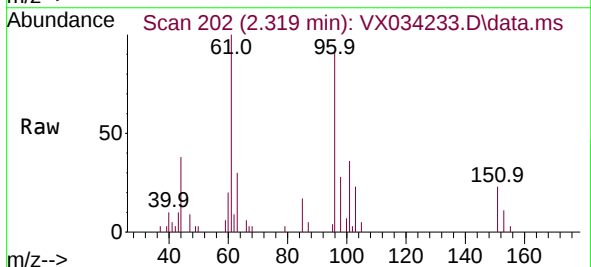
Reviewed By :John
Carlone

02/23/2023
Supervised By :Mahesh
Dadoda

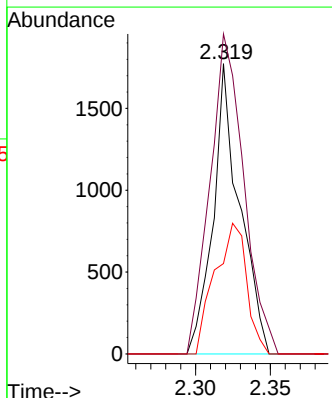
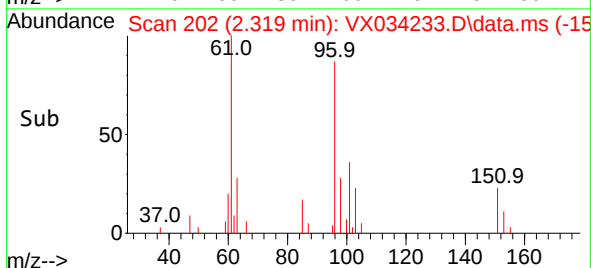
02/23/2023

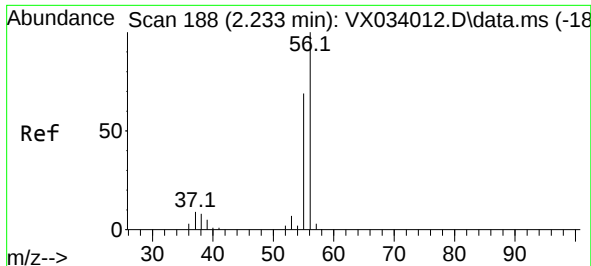


#12
1,1-Dichloroethene
Concen: 0.652 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55



Tgt Ion: 96 Resp: 2185
Ion Ratio Lower Upper
96 100
61 110.3 134.2 201.4#
98 31.1 50.2 75.2#





#13

Acrolein

Concen: 4.065 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX034233.D

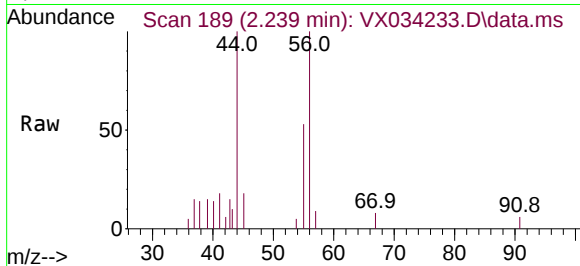
Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023



Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

56 100

55 61.1 56.3 84.5

Manual Integrations

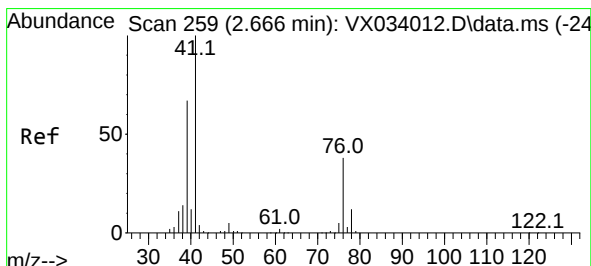
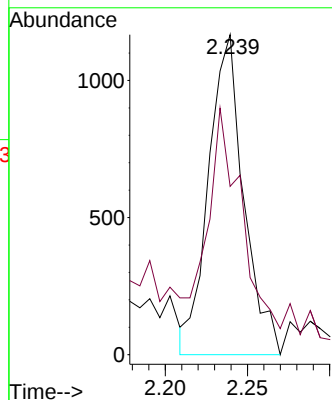
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#14

Allyl chloride

Concen: 0.692 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

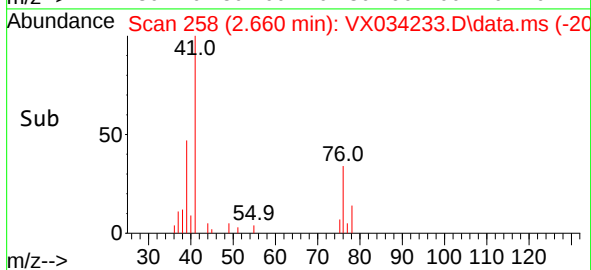
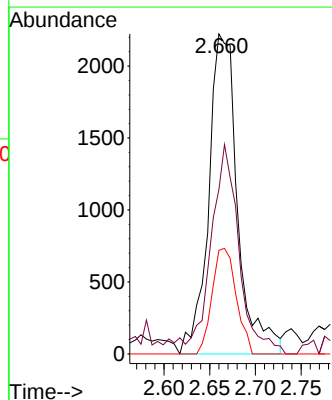
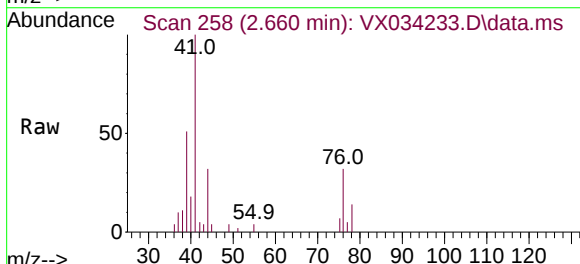
Tgt Ion: 41 Resp: 4921

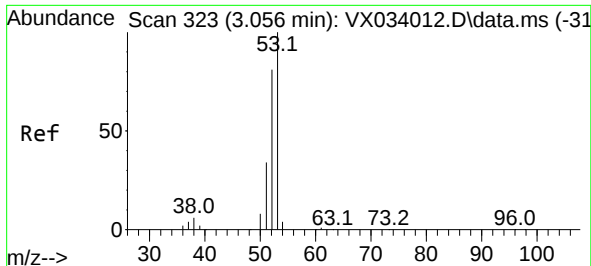
Ion Ratio Lower Upper

41 100

39 64.8 59.0 88.4

76 27.3 24.6 37.0





#15

Acrylonitrile

Concen: 2.910 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 53	Resp: 592
Ion Ratio	Lower Upper
53 100	
52 82.1	65.7 98.5
51 36.2	29.0 43.4

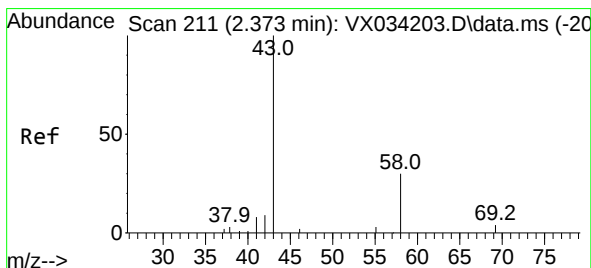
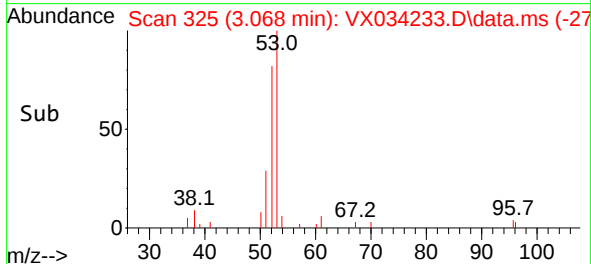
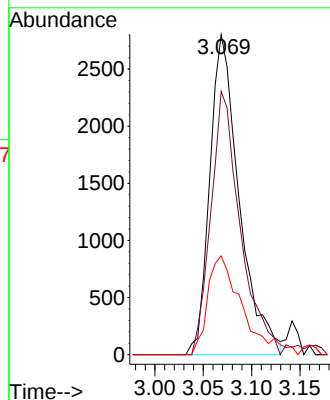
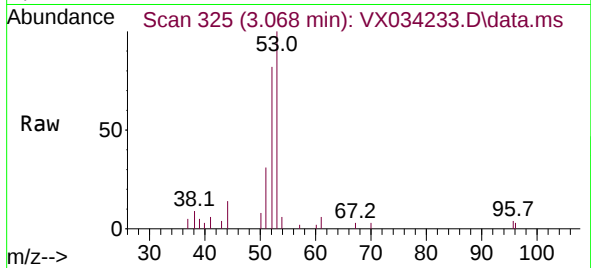
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#16

Acetone

Concen: 3.168 ug/l

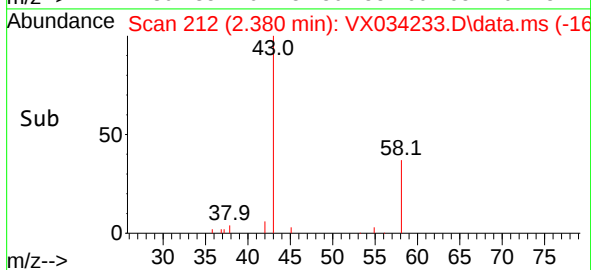
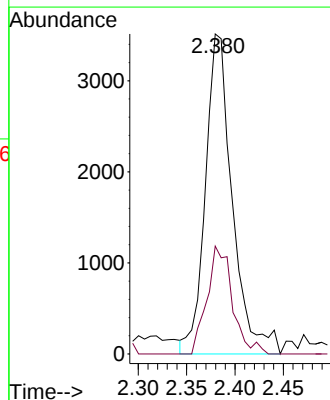
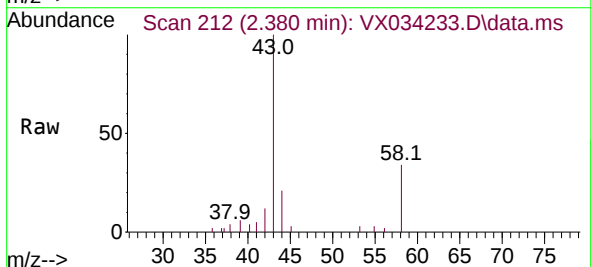
RT: 2.380 min Scan# 212

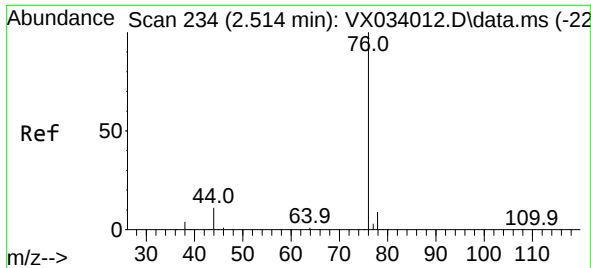
Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion: 43	Resp: 6820
Ion Ratio	Lower Upper
43 100	
58 33.7	22.6 33.8





#17

Carbon Disulfide

Concen: 0.587 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 76 Resp: 565

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.6

Manual Integrations

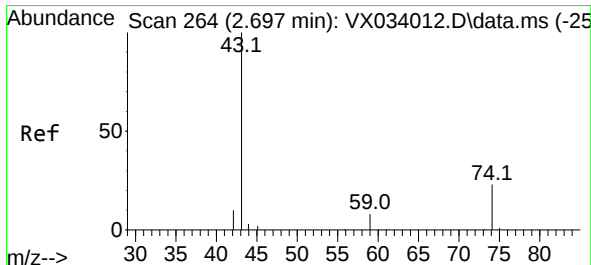
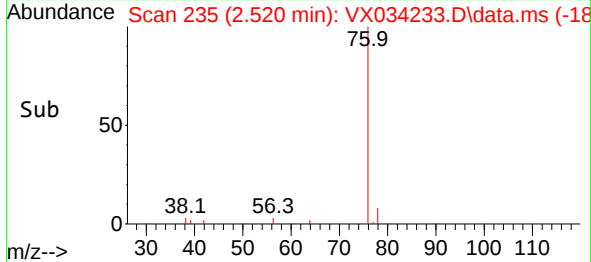
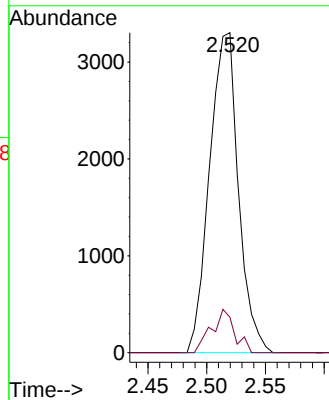
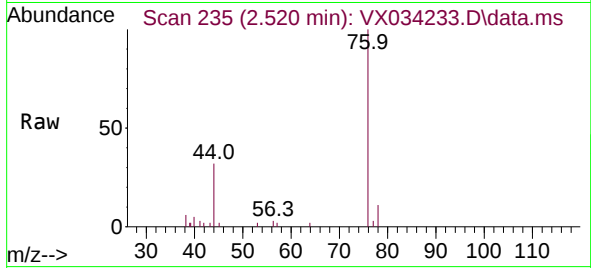
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#18

Methyl Acetate

Concen: 0.570 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX034233.D

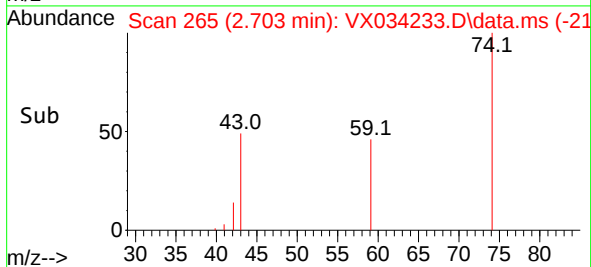
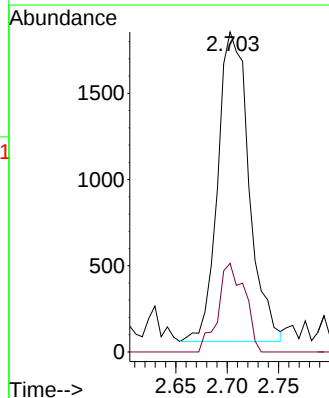
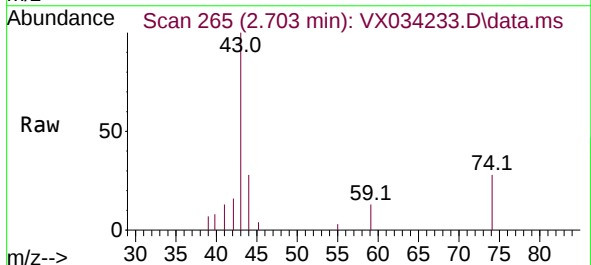
Acq: 22 Feb 2023 16:55

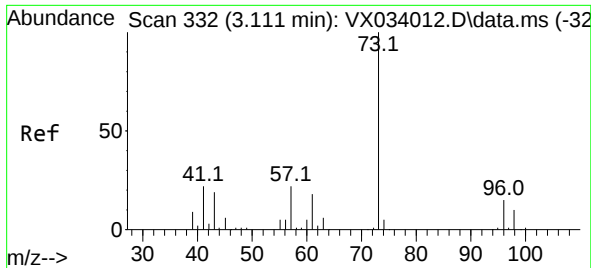
Tgt Ion: 43 Resp: 3795

Ion Ratio Lower Upper

43 100

74 24.3 18.2 27.4





#19
Methyl tert-butyl Ether
Concen: 0.601 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

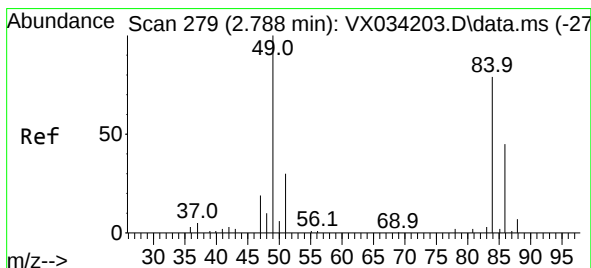
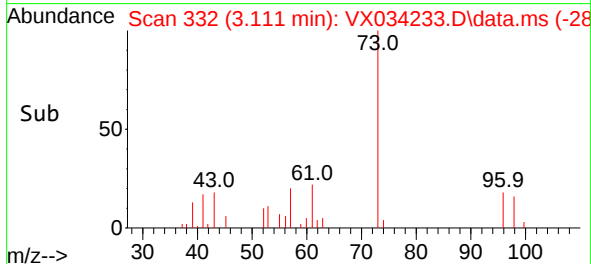
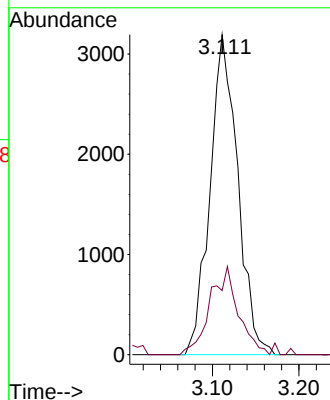
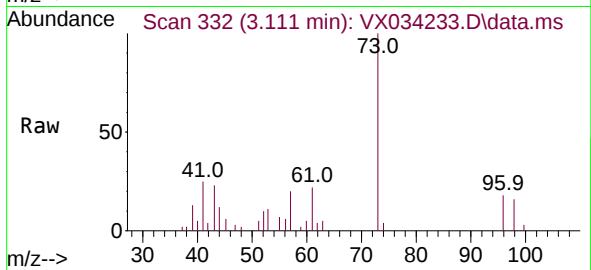
Tgt Ion: 73 Resp: 710
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

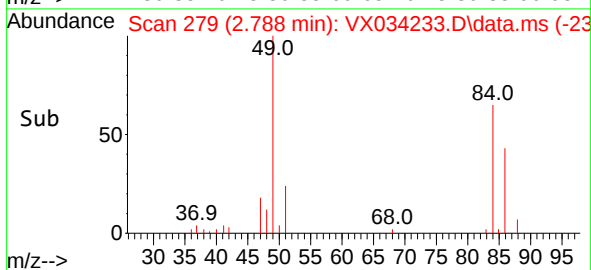
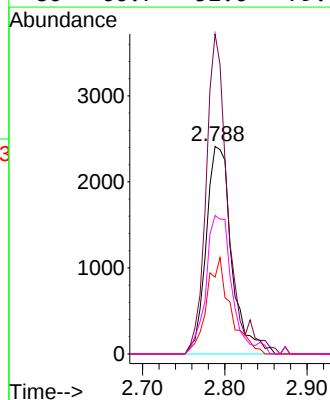
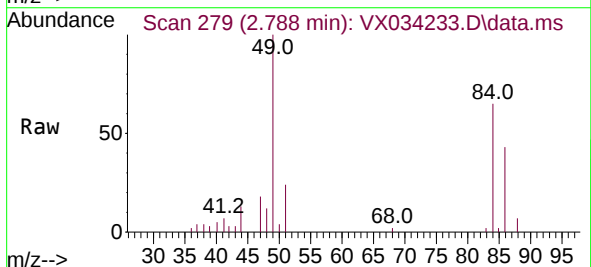
02/23/2023
Supervised By :Mahesh
Dadoda

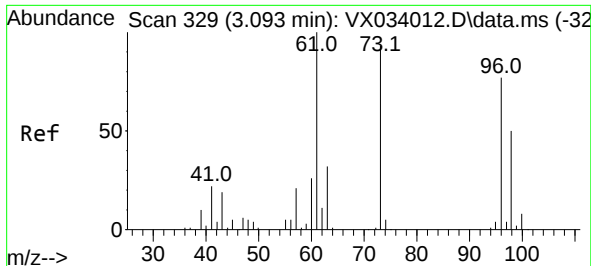
02/23/2023



#20
Methylene Chloride
Concen: 1.342 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 84 Resp: 5207
Ion Ratio Lower Upper
84 100
49 154.2 101.1 151.7#
51 37.0 31.0 46.6
86 66.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 0.676 ug/l

RT: 3.087 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 96 Resp: 237

Ion	Ratio	Lower	Upper
96	100		
61	105.6	106.7	160.1
98	53.7	50.0	75.0

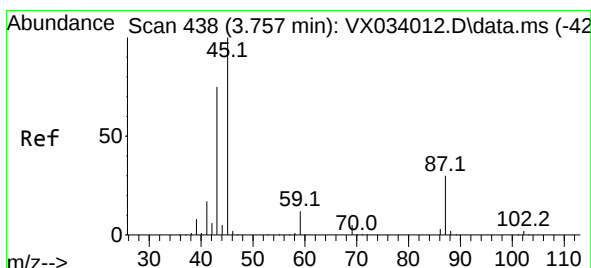
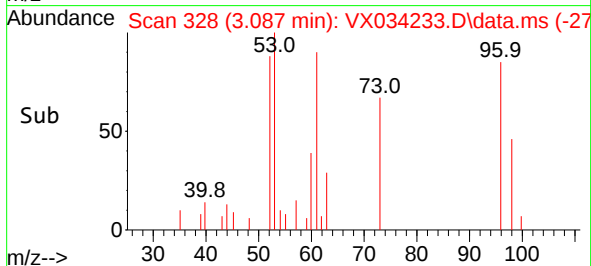
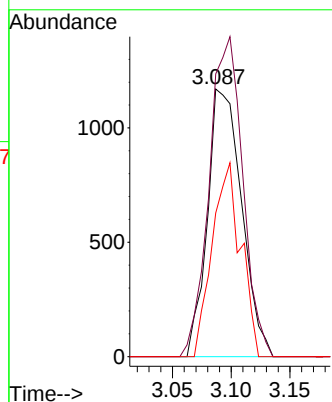
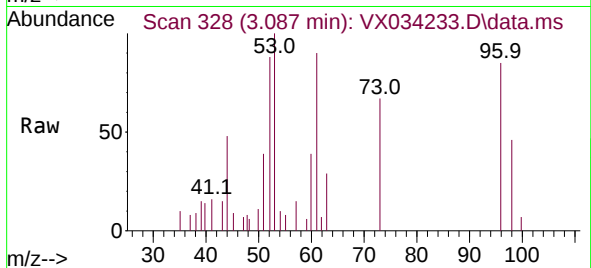
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#22

Diisopropyl ether

Concen: 0.655 ug/l

RT: 3.764 min Scan# 439

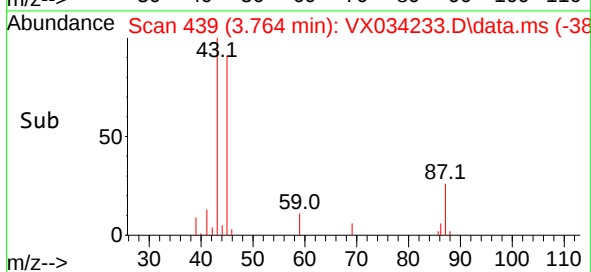
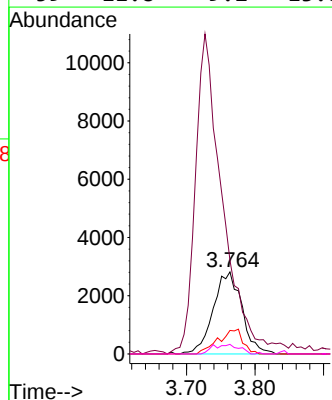
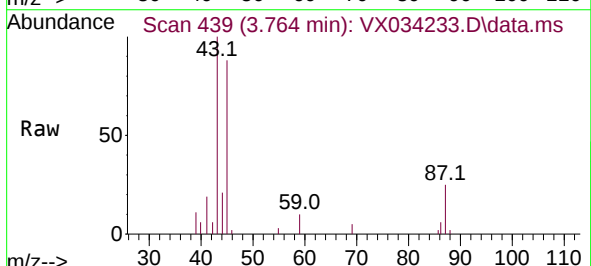
Delta R.T. 0.006 min

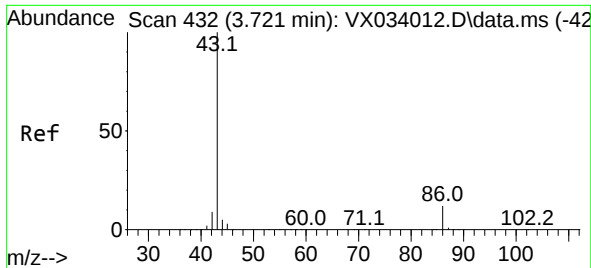
Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion: 45 Resp: 8170

Ion	Ratio	Lower	Upper
45	100		
43	106.0	64.6	97.0
87	28.7	21.9	32.9
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 3.058 ug/l

RT: 3.727 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 30539

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6

Manual Integrations

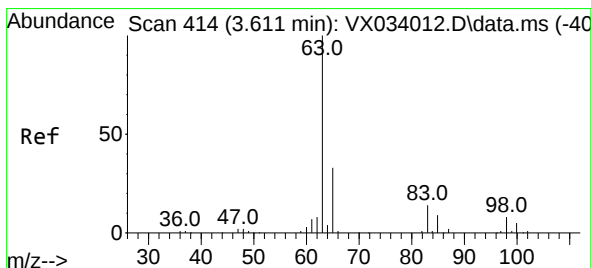
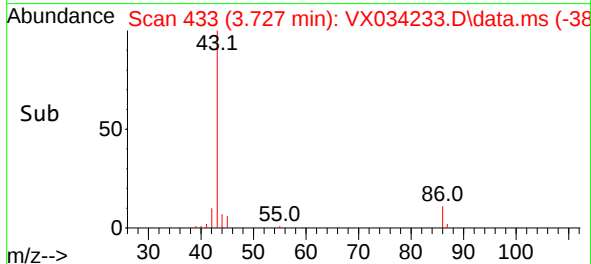
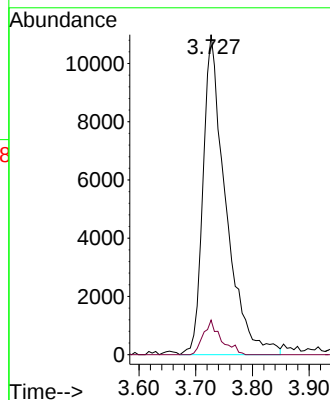
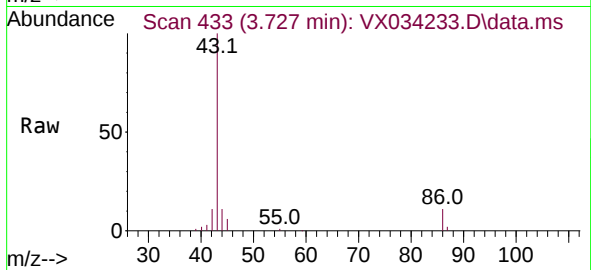
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#24

1,1-Dichloroethane

Concen: 0.603 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

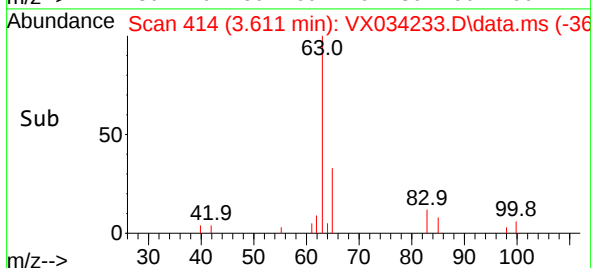
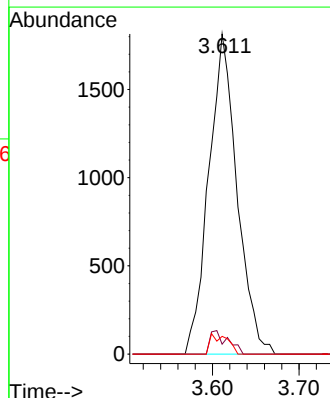
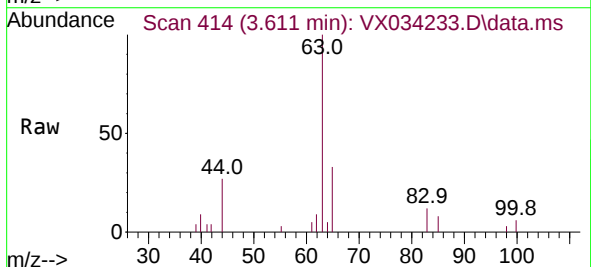
Tgt Ion: 63 Resp: 4129

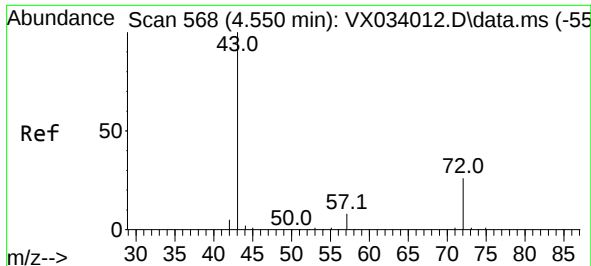
Ion Ratio Lower Upper

63 100

98 3.1 3.8 11.2#

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 2.755 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

72 22.1 19.4 29.2

Manual Integrations

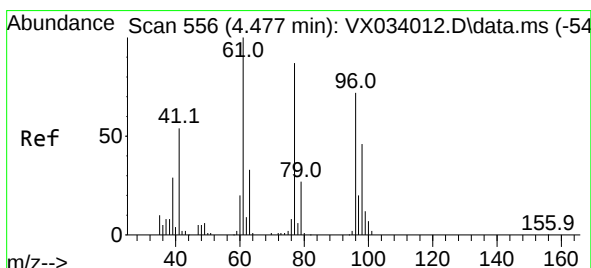
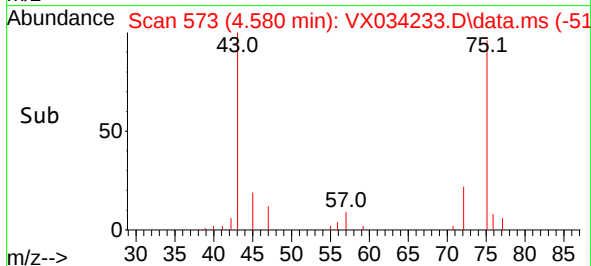
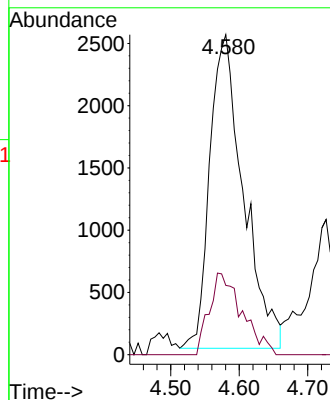
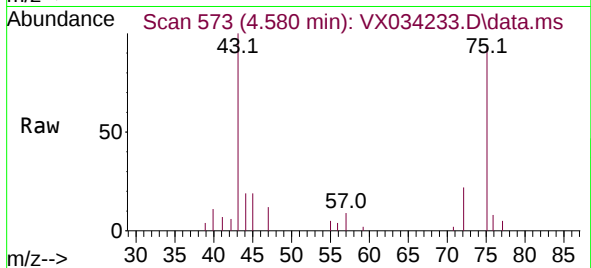
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#26

2,2-Dichloropropane

Concen: 0.597 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.006 min

Lab File: VX034233.D

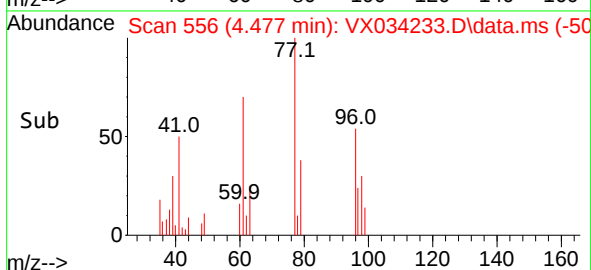
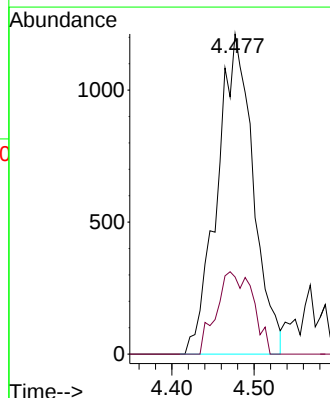
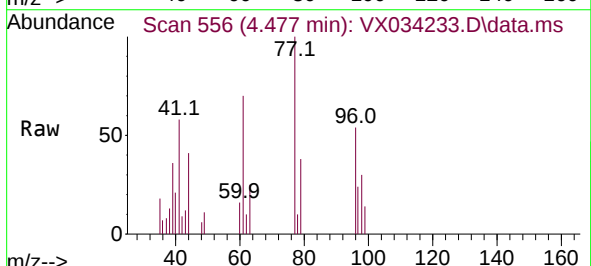
Acq: 22 Feb 2023 16:55

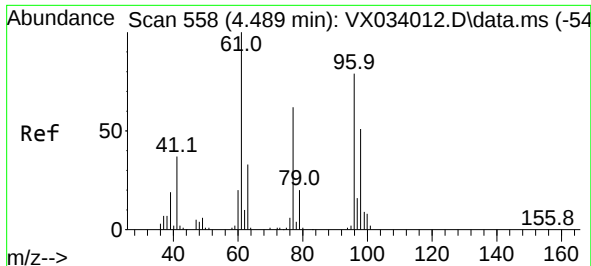
Tgt Ion: 77 Resp: 3699

Ion Ratio Lower Upper

77 100

97 25.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.669 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 96	Resp: 278
Ion Ratio	Lower Upper
96 100	
61 137.2	0.0 277.6
98 61.6	0.0 128.0

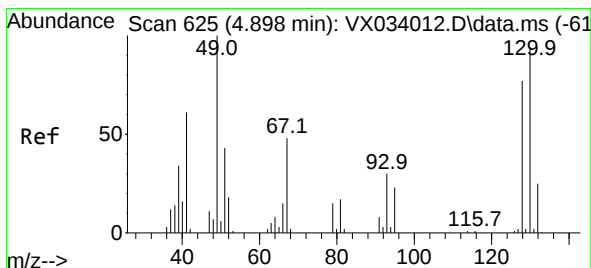
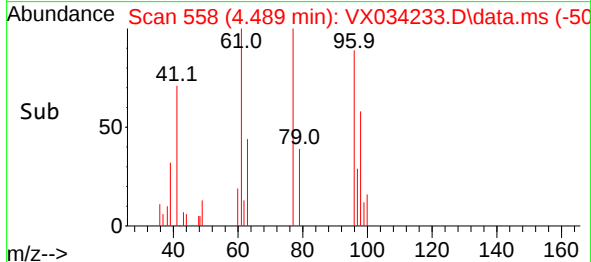
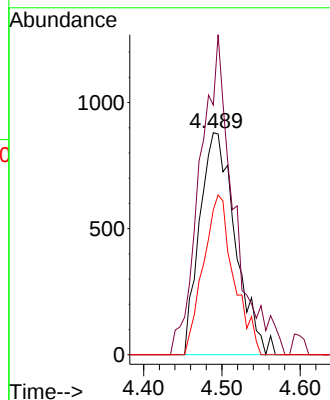
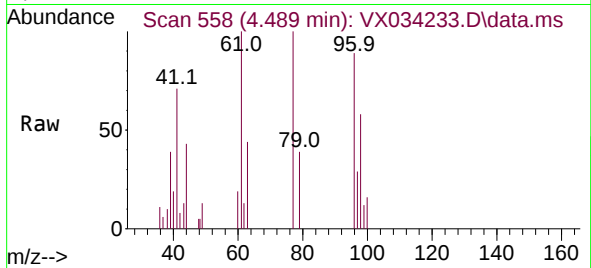
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#28

Bromochloromethane

Concen: 0.762 ug/l

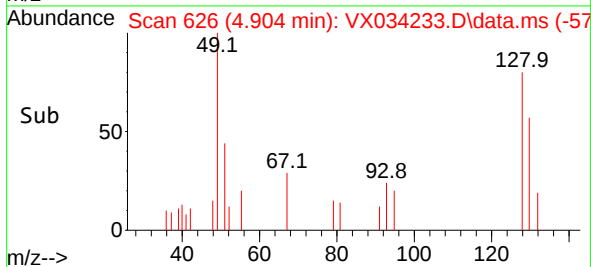
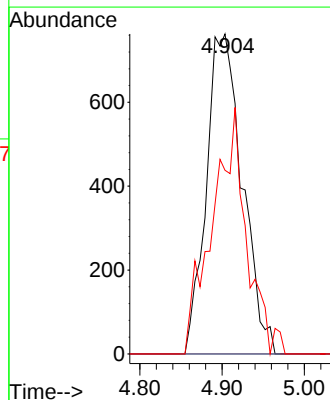
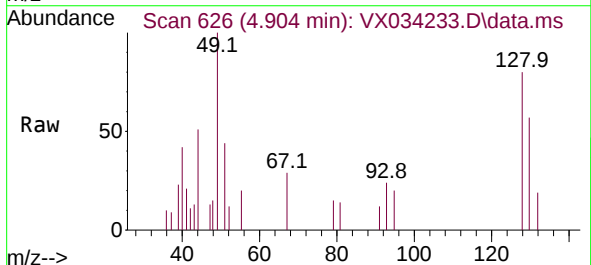
RT: 4.904 min Scan# 626

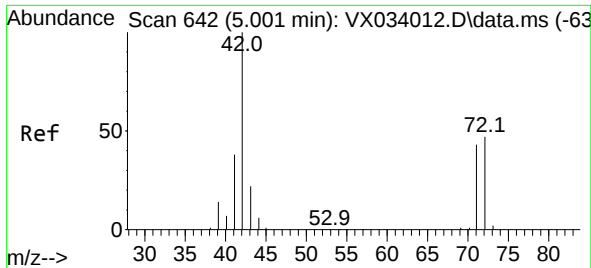
Delta R.T. 0.012 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion: 49	Resp: 2326
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.6
130 73.1	68.5 102.7





#29

Tetrahydrofuran

Concen: 3.457 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 42	Resp: 656
Ion Ratio	Lower Upper
42 100	
72 37.5	34.8 52.2
71 34.1	32.2 48.2

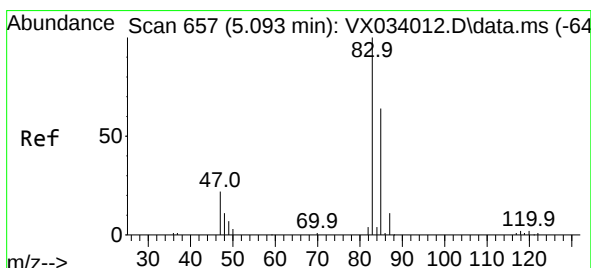
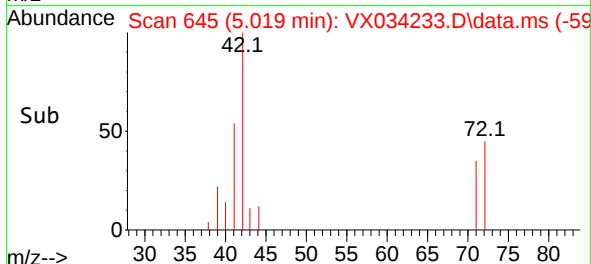
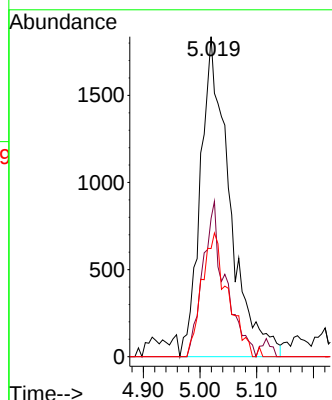
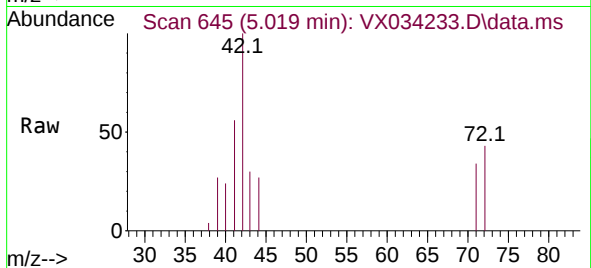
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#30

Chloroform

Concen: 0.639 ug/l

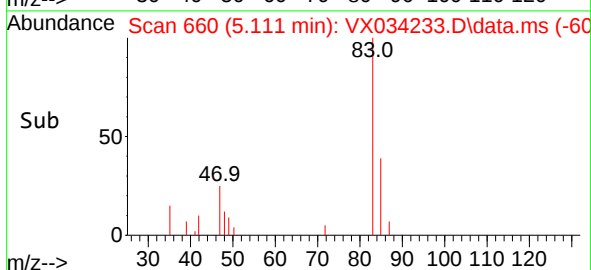
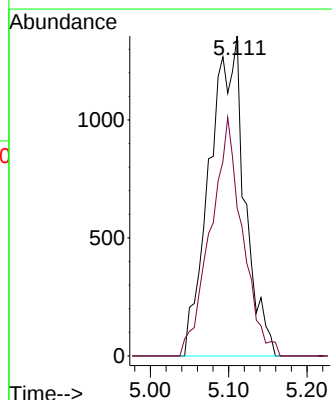
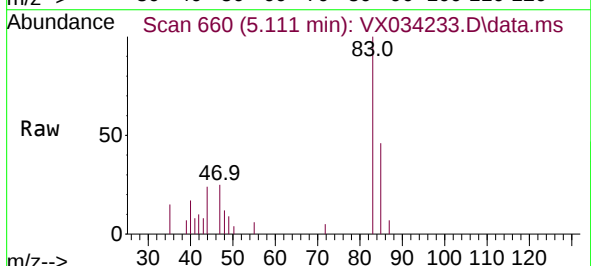
RT: 5.111 min Scan# 660

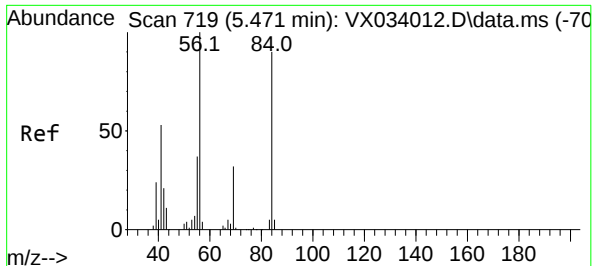
Delta R.T. 0.018 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

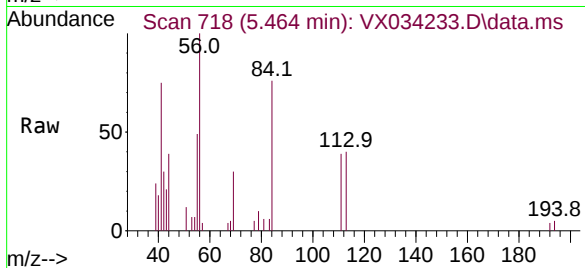
Tgt Ion: 83	Resp: 4199
Ion Ratio	Lower Upper
83 100	
85 46.2	52.1 78.1#





#31
Cyclohexane
Concen: 0.640 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



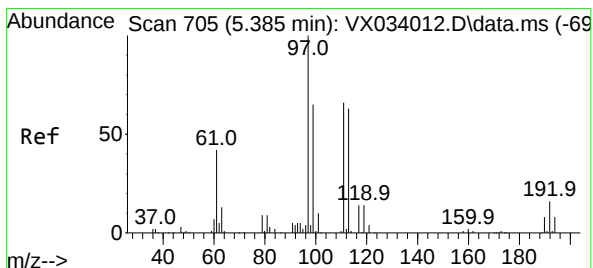
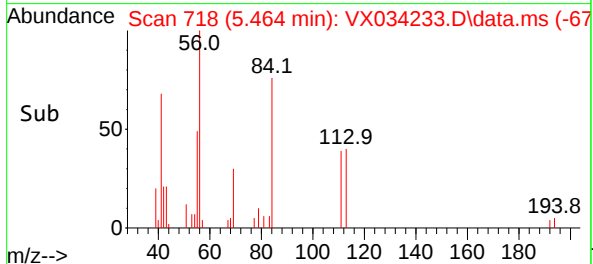
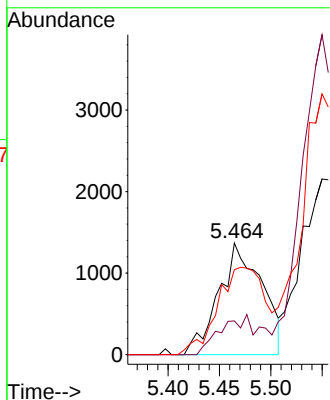
Tgt Ion: 56 Resp: 3990
Ion Ratio Lower Upper
56 100
69 30.2 24.6 37.0
84 76.1 71.0 106.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

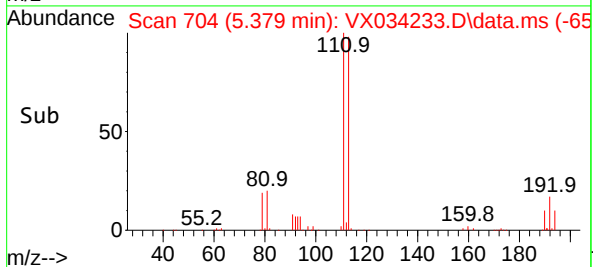
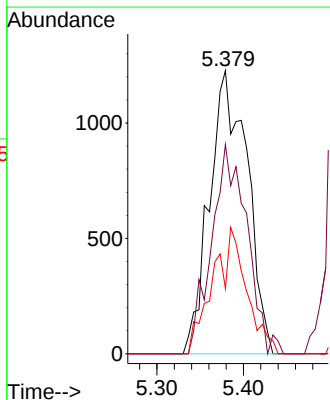
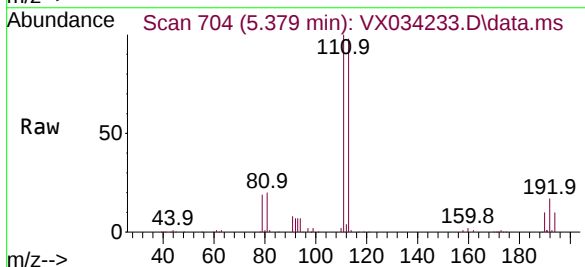
02/23/2023
Supervised By :Mahesh
Dadoda

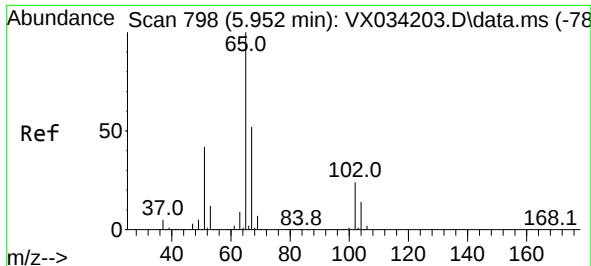
02/23/2023



#32
1,1,1-Trichloroethane
Concen: 0.629 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 97 Resp: 3705
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 40.1 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 43.533 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 65 Resp: 18167

Ion Ratio Lower Upper

65 100

67 54.2 0.0 104.8

Manual Integrations

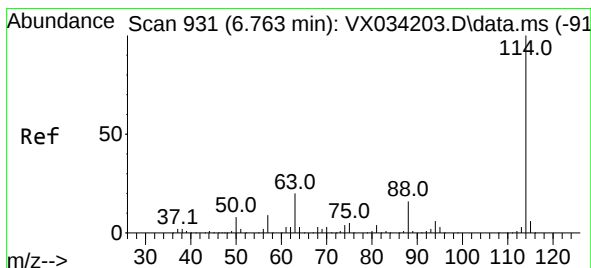
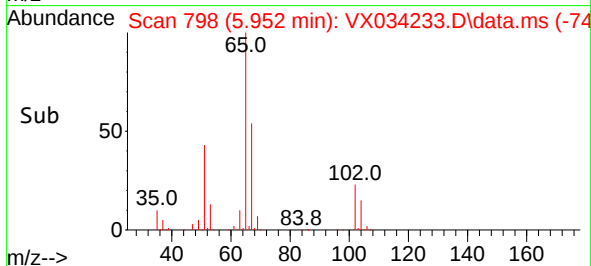
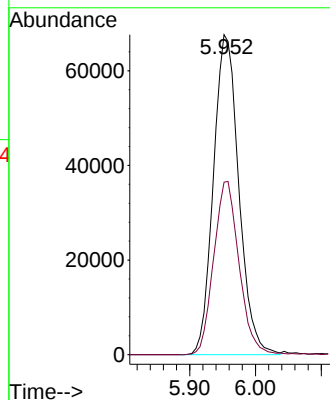
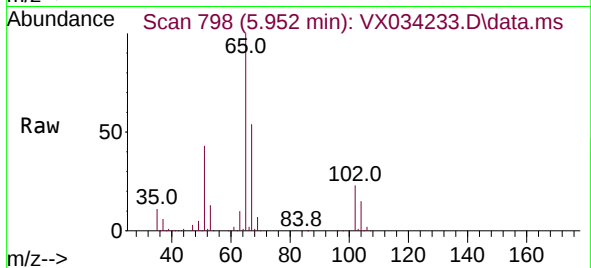
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

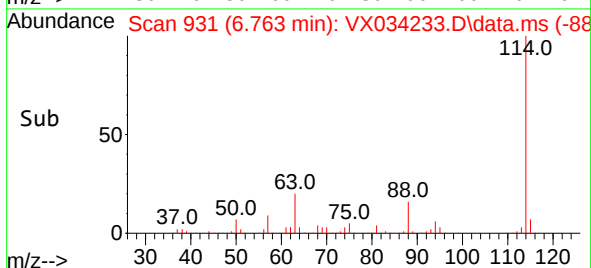
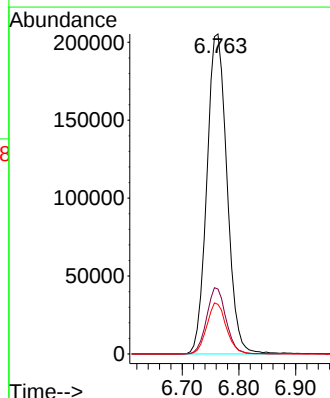
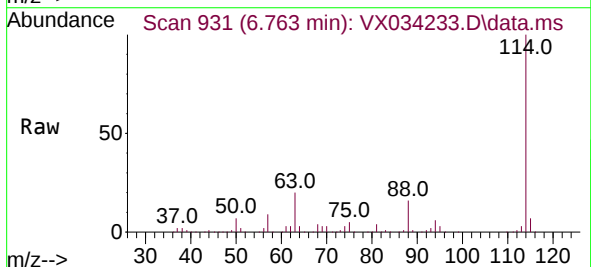
Tgt Ion:114 Resp: 506110

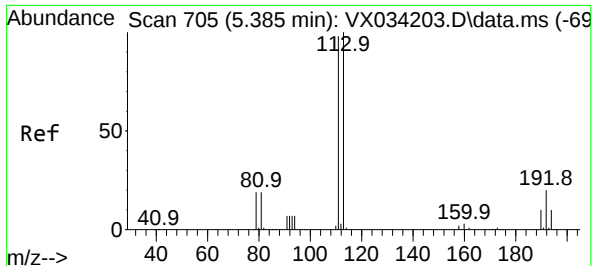
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

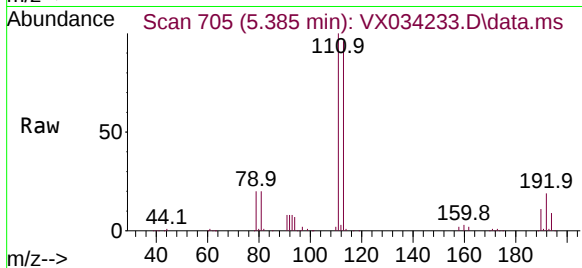
88 15.5 0.0 30.6





#35
Dibromofluoromethane
Concen: 47.973 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



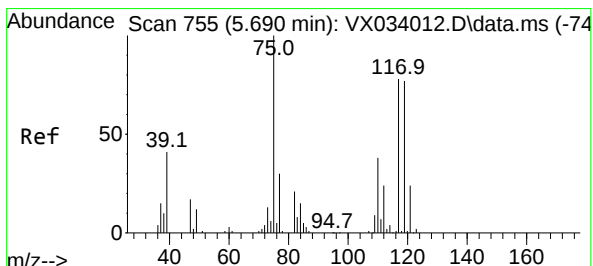
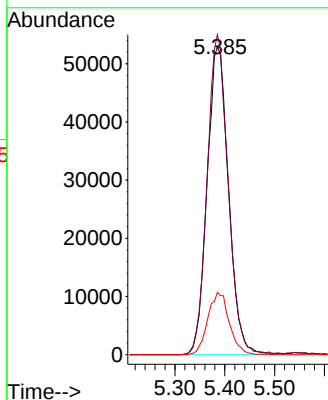
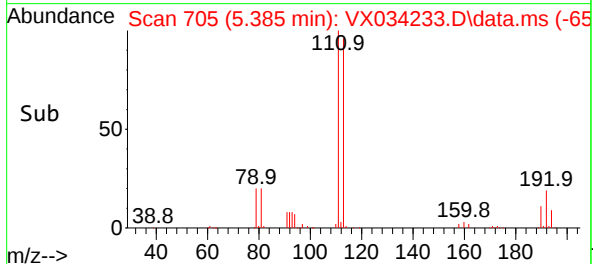
Tgt Ion:113 Resp: 15808
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.6
192 20.2 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

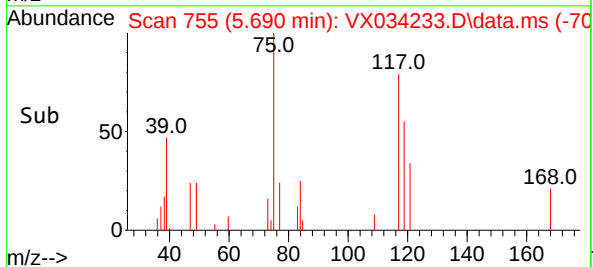
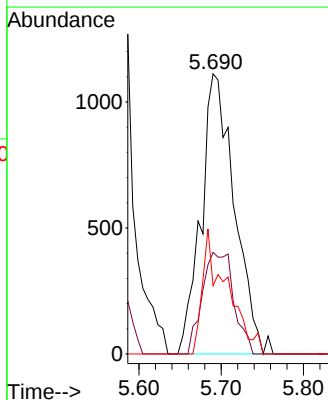
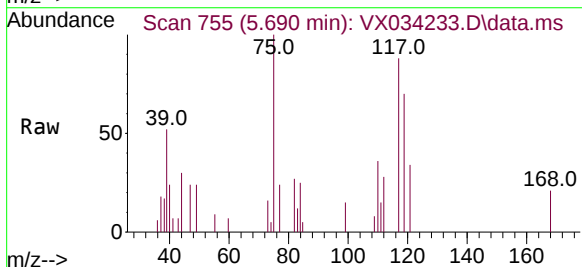
02/23/2023
Supervised By :Mahesh
Dadoda

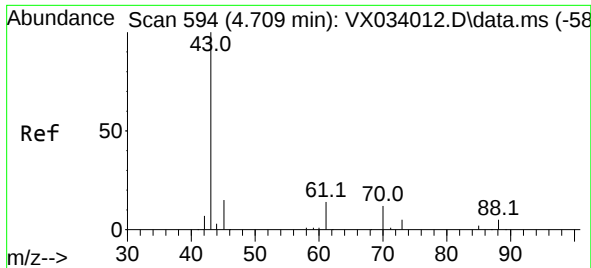
02/23/2023



#36
1,1-Dichloropropene
Concen: 0.644 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 75 Resp: 3139
Ion Ratio Lower Upper
75 100
110 34.1 18.8 56.4
77 32.7 25.1 37.7





#37

Ethyl Acetate

Concen: 0.795 ug/l m

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 433

Ion	Ratio	Lower	Upper
43	100		
61	7.1	11.1	16.7
70	3.8	8.5	12.7

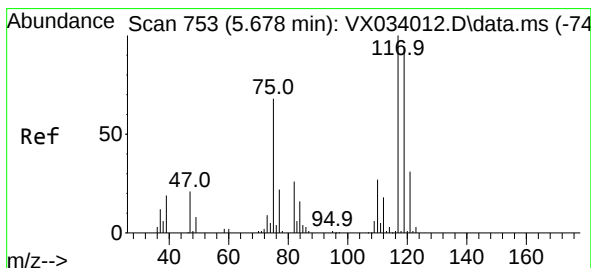
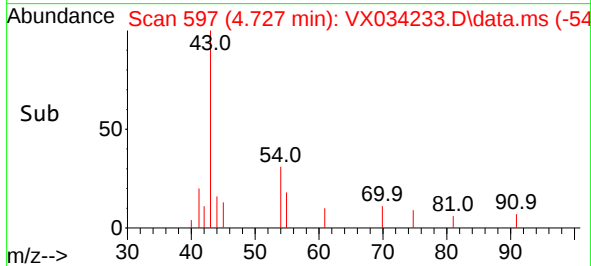
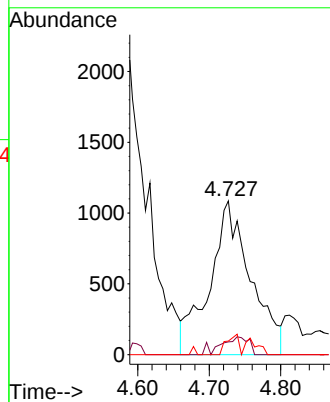
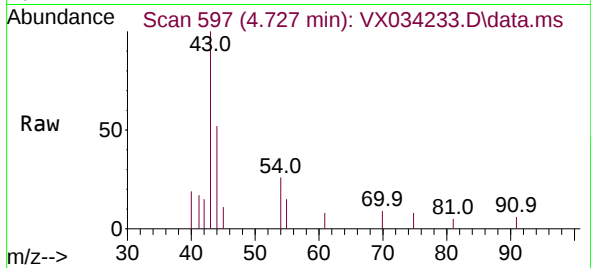
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#38

Carbon Tetrachloride

Concen: 0.675 ug/l

RT: 5.678 min Scan# 753

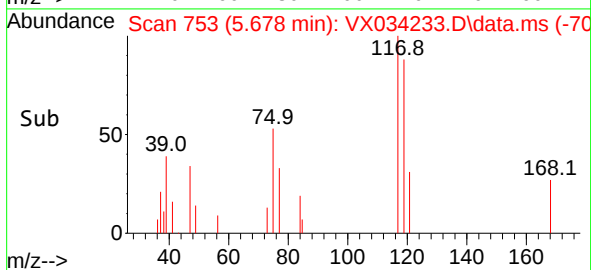
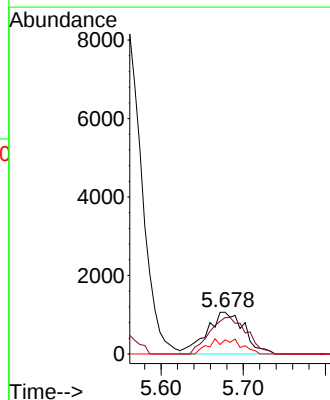
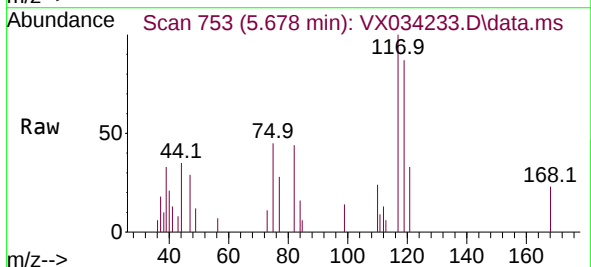
Delta R.T. 0.006 min

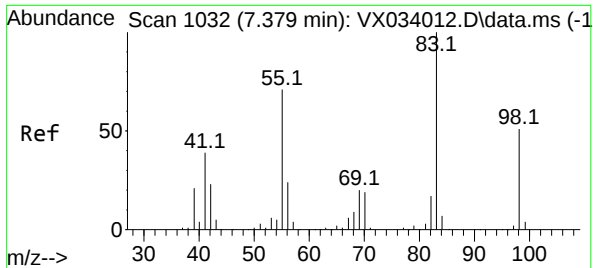
Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion:117 Resp: 3386

Ion	Ratio	Lower	Upper
117	100		
119	86.8	78.0	117.0
121	33.5	24.4	36.6





#39

Methylcyclohexane

Concen: 0.573 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 83	Resp: 3594
Ion Ratio	Lower Upper
83 100	
55 72.6	61.8 92.6
98 43.7	39.3 58.9

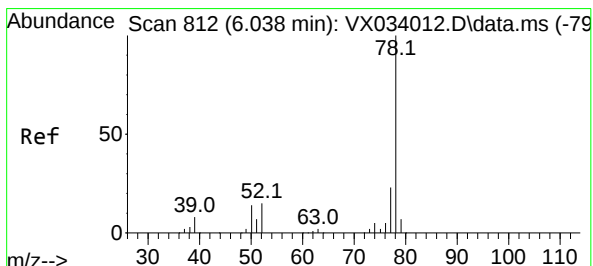
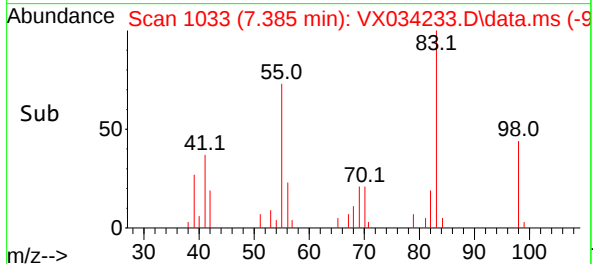
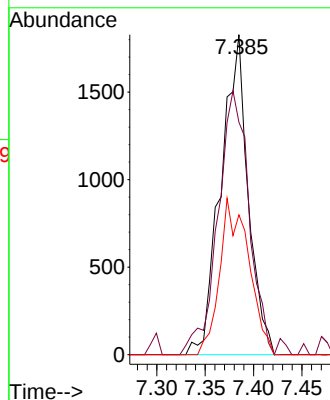
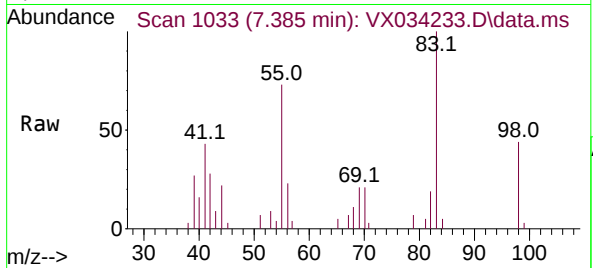
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#40

Benzene

Concen: 0.621 ug/l

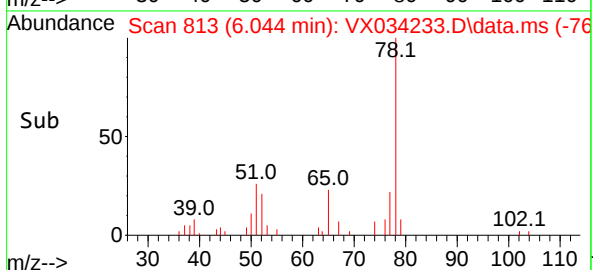
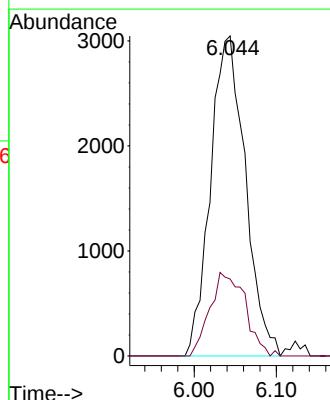
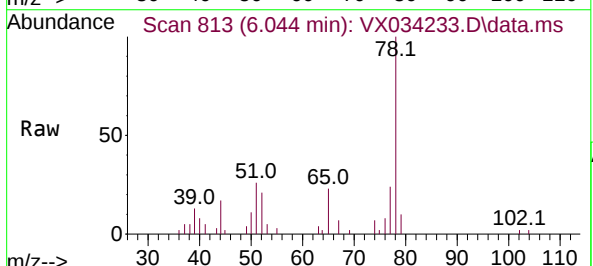
RT: 6.044 min Scan# 813

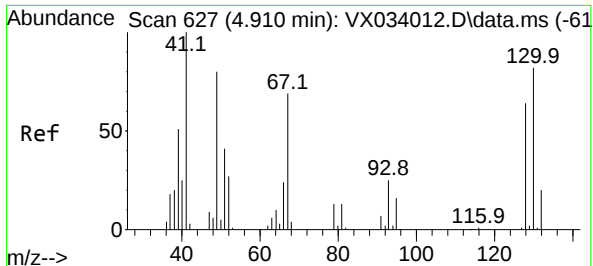
Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

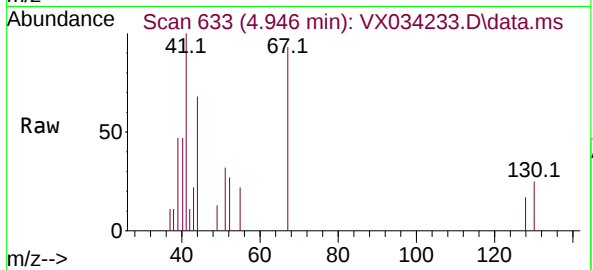
Tgt Ion: 78	Resp: 8975
Ion Ratio	Lower Upper
78 100	
77 24.1	19.0 28.4





#41
Methacrylonitrile
Concen: 0.713 ug/l m
RT: 4.946 min Scan# 61
Delta R.T. 0.031 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



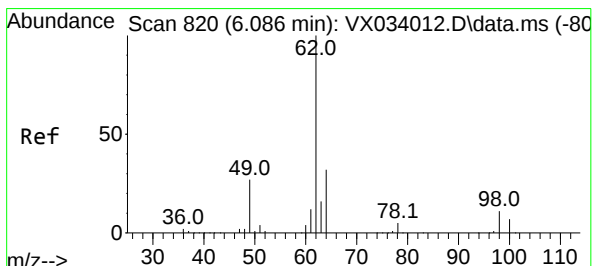
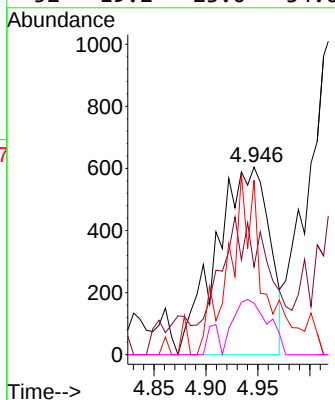
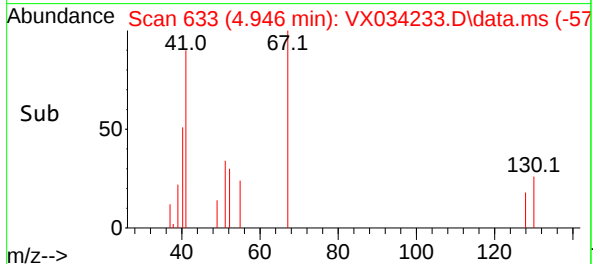
Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.1	43.8	65.6
67	62.9	54.8	82.2
52	19.2	23.0	34.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

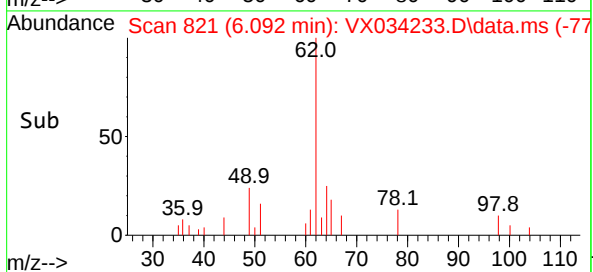
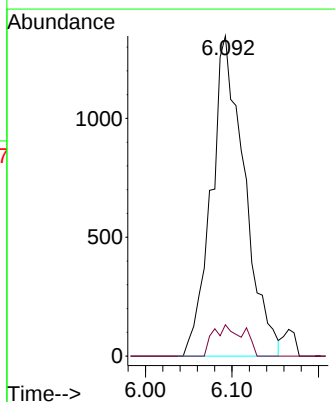
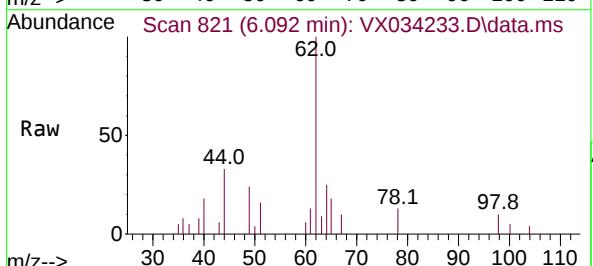
02/23/2023
Supervised By :Mahesh
Dadoda

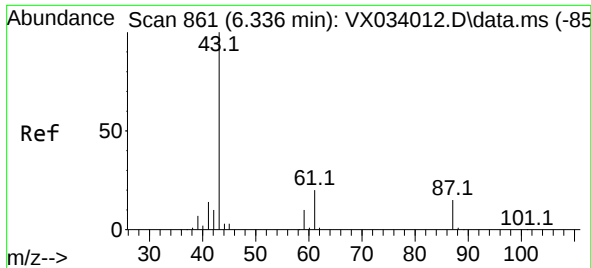
02/23/2023



#42
1,2-Dichloroethane
Concen: 0.705 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

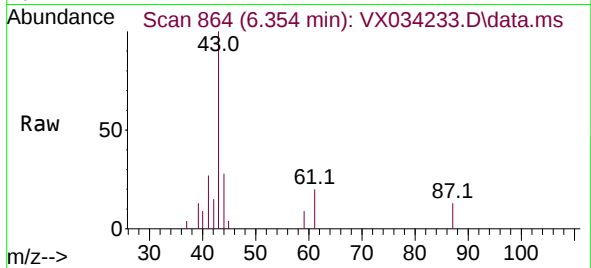
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.2





#43
Isopropyl Acetate
Concen: 0.636 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



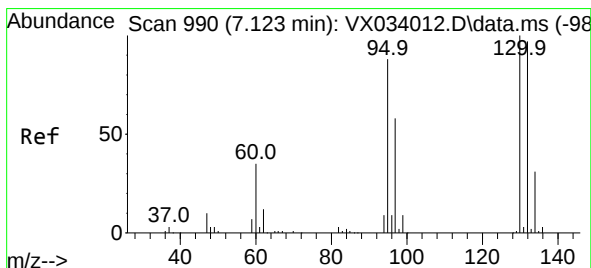
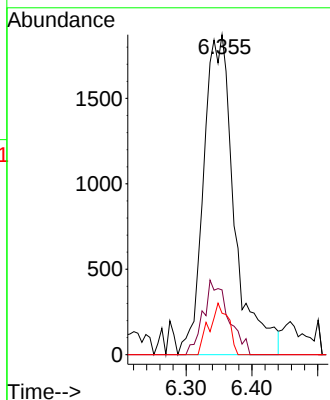
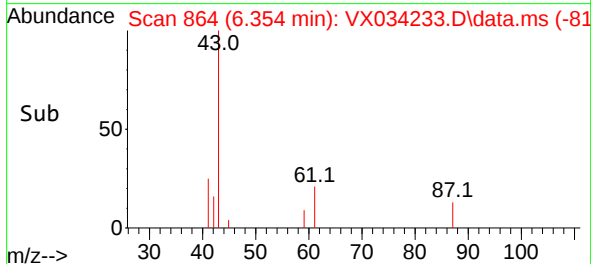
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
61 19.0 15.7 23.5
87 10.0 10.6 15.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

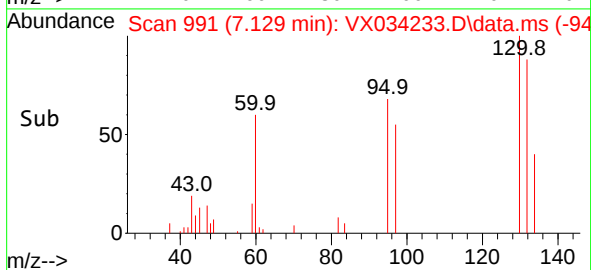
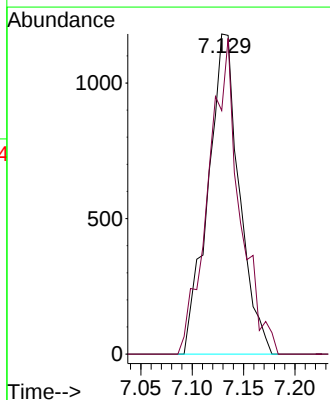
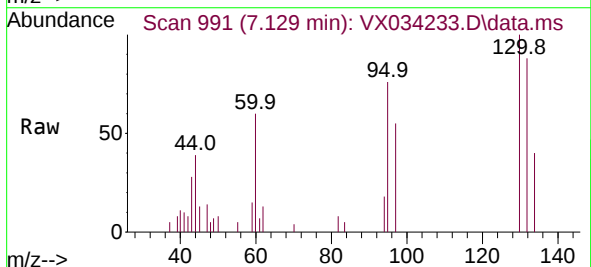
02/23/2023
Supervised By :Mahesh
Dadoda

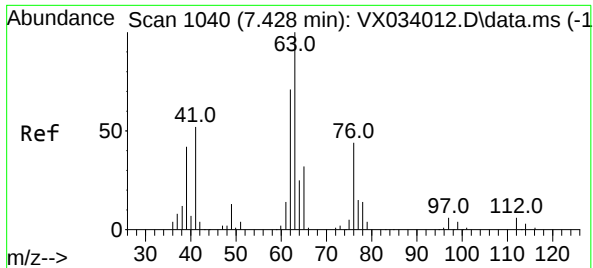
02/23/2023



#44
Trichloroethene
Concen: 0.676 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:130 Resp: 2505
Ion Ratio Lower Upper
130 100
95 76.0 0.0 182.6





#45

1,2-Dichloropropane

Concen: 0.665 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 63 Resp: 255
 Ion Ratio Lower Upper
 63 100
 65 24.3 24.2 36.2

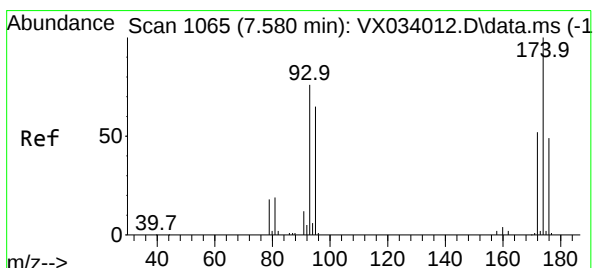
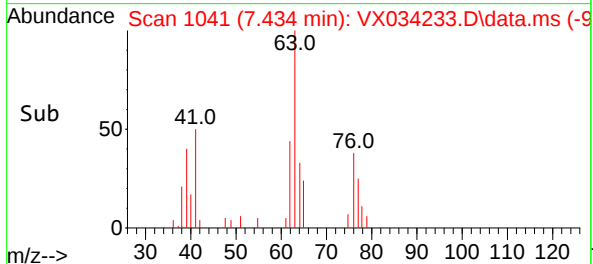
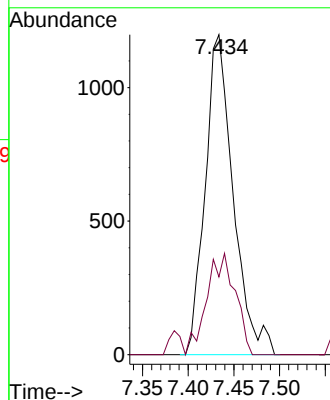
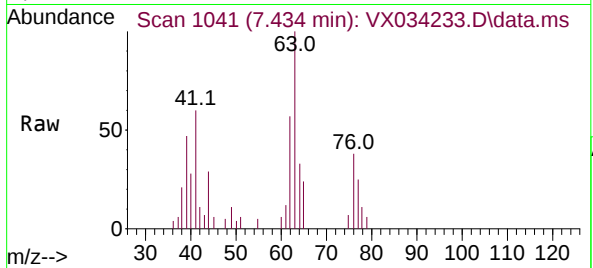
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/23/2023

Supervised By :Mahesh
 Dadoda

02/23/2023



#46

Dibromomethane

Concen: 0.662 ug/l

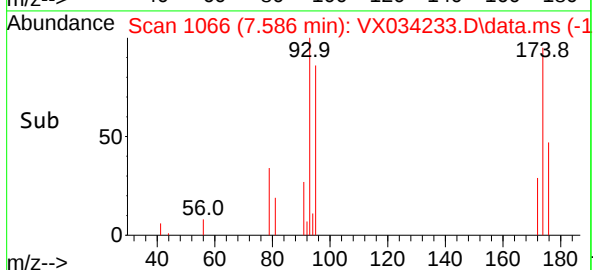
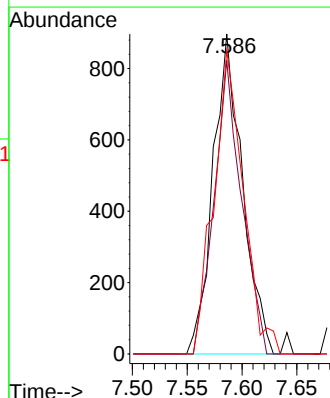
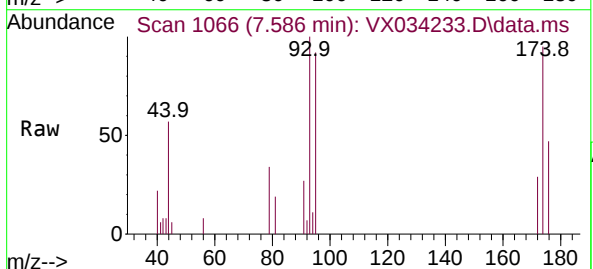
RT: 7.586 min Scan# 1066

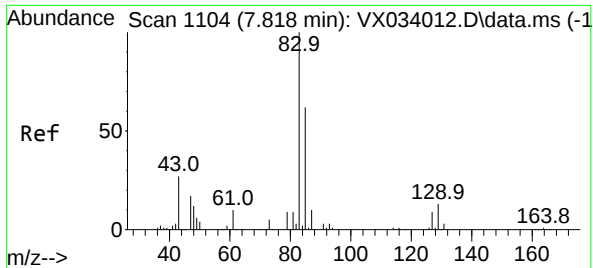
Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

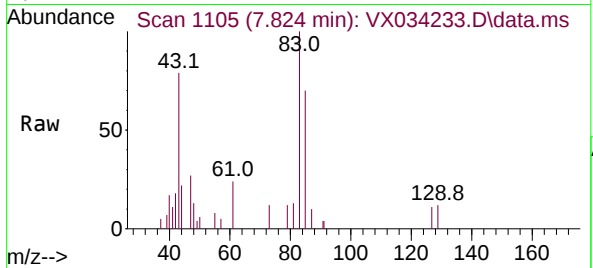
Tgt Ion: 93 Resp: 1675
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.6 101.4
 174 95.2 97.4 146.0#





#47
Bromodichloromethane
Concen: 0.558 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



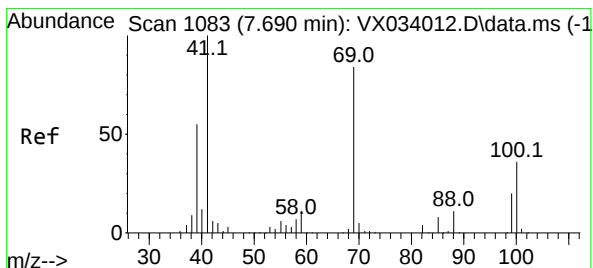
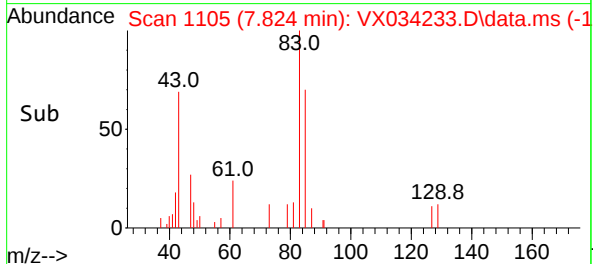
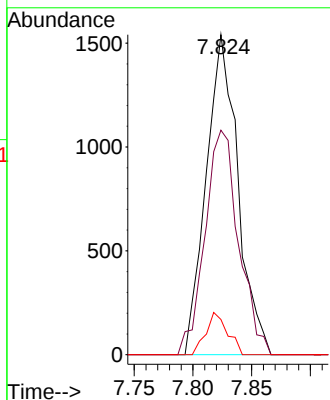
Tgt Ion: 83 Resp: 2890
Ion Ratio Lower Upper
83 100
85 70.1 49.8 74.6
127 11.0 7.0 10.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

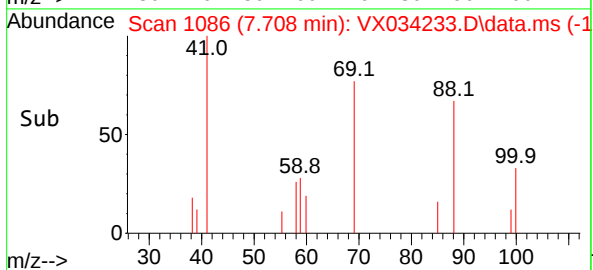
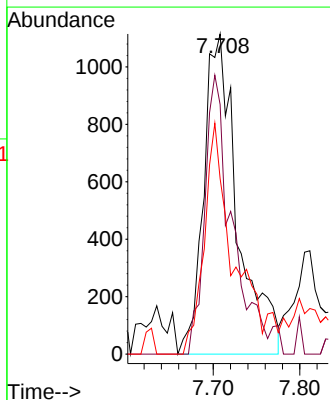
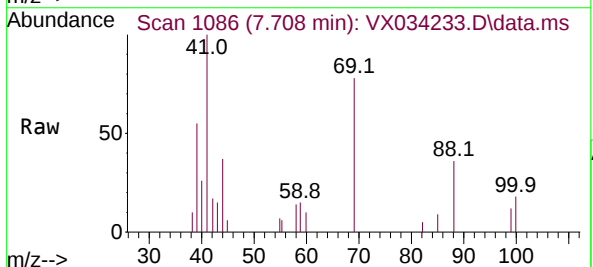
02/23/2023
Supervised By :Mahesh
Dadoda

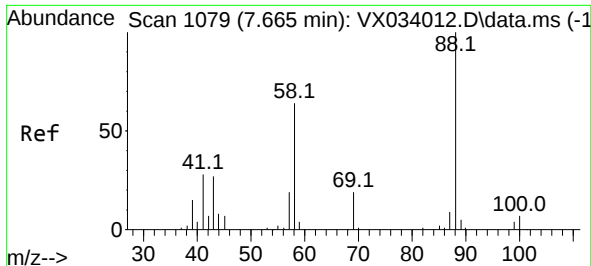
02/23/2023



#48
Methyl methacrylate
Concen: 0.663 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.018 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 41 Resp: 3025
Ion Ratio Lower Upper
41 100
69 71.8 63.1 94.7
39 62.2 43.2 64.8





#49

1,4-Dioxane

Concen: 12.848 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.037 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 88 Resp: 1169
 Ion Ratio Lower Upper
 88 100
 43 27.1 0.0 0.0
 58 66.1 56.5 84.7

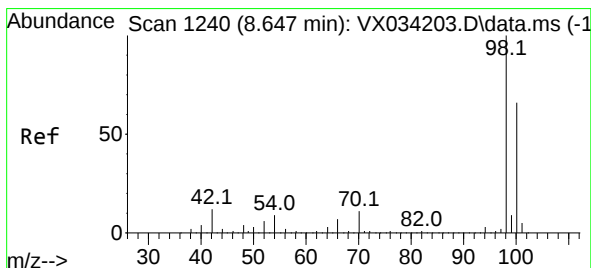
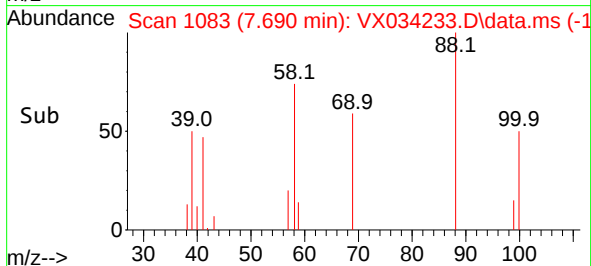
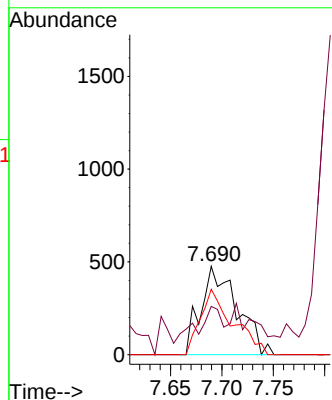
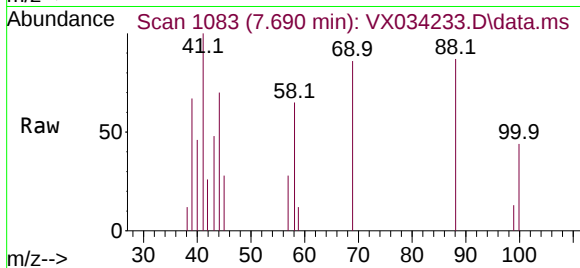
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/23/2023

Supervised By :Mahesh
 Dadoda

02/23/2023



#50

Toluene-d8

Concen: 49.382 ug/l

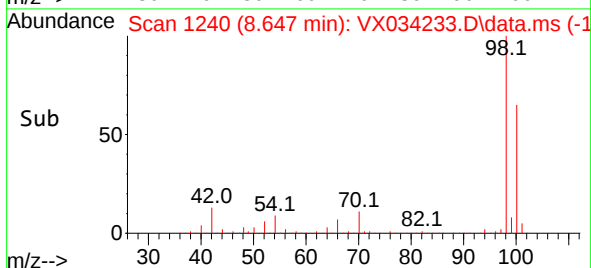
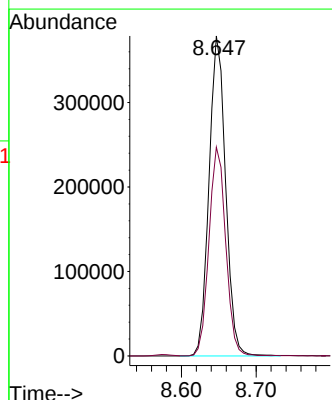
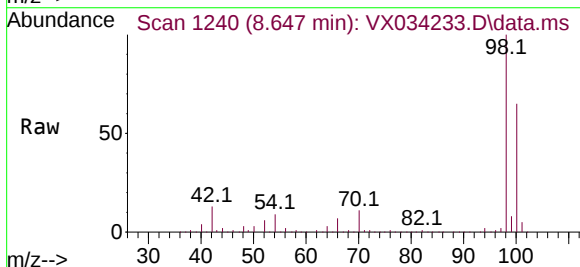
RT: 8.647 min Scan# 1240

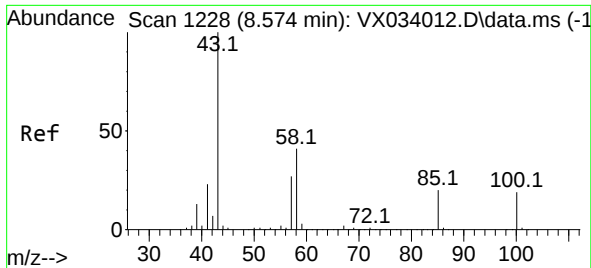
Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

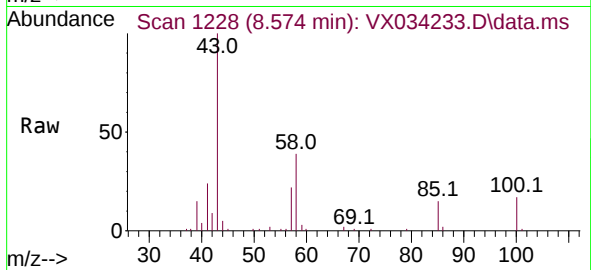
Tgt Ion: 98 Resp: 584241
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.6 80.4





#51
4-Methyl-2-Pentanone
Concen: 3.030 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



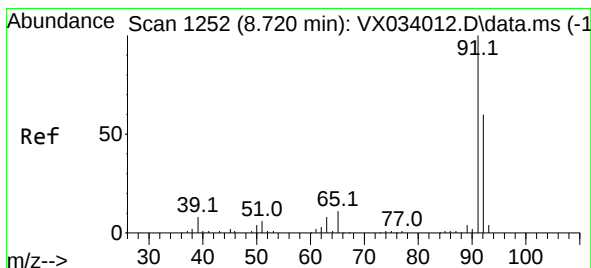
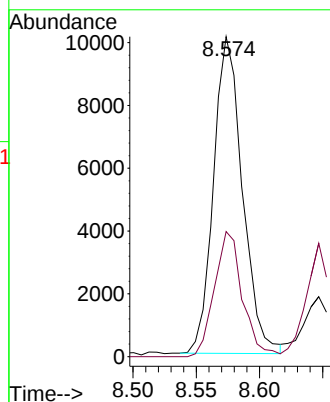
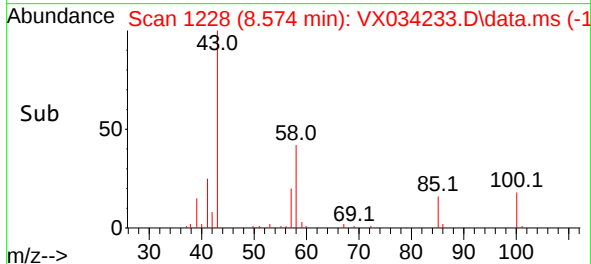
Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
58 38.2 31.2 46.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

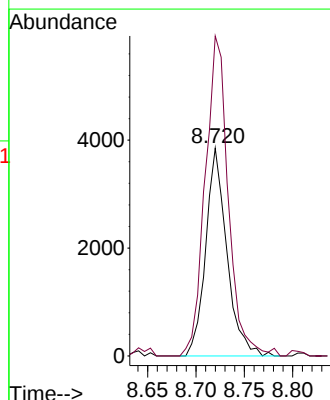
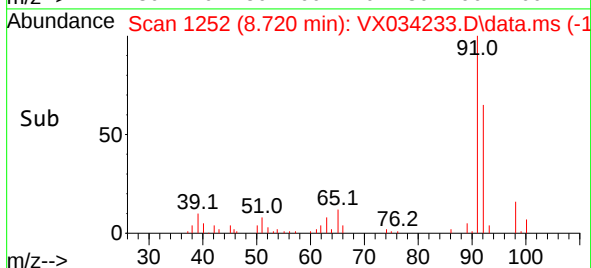
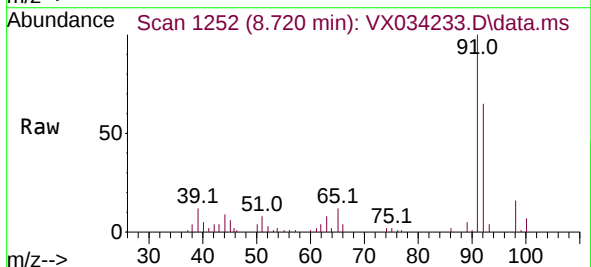
02/23/2023
Supervised By :Mahesh
Dadoda

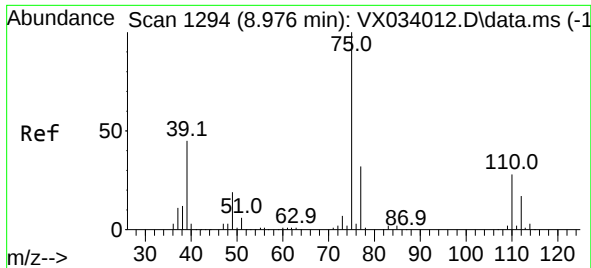
02/23/2023



#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 92 Resp: 5877
Ion Ratio Lower Upper
92 100
91 168.2 135.5 203.3





#53
t-1,3-Dichloropropene
Concen: 0.557 ug/l
RT: 8.982 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

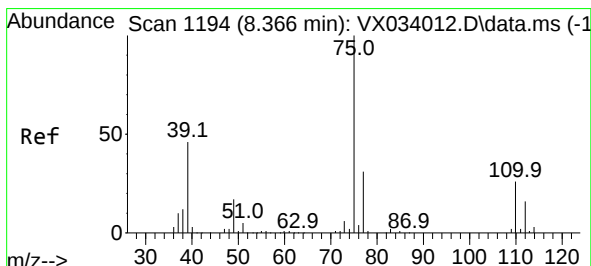
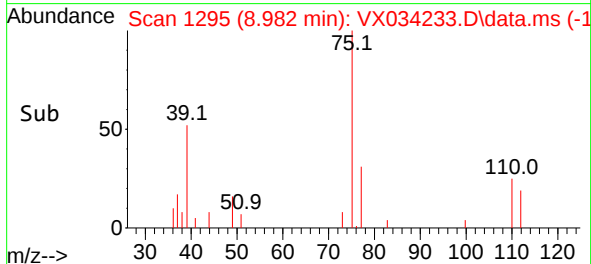
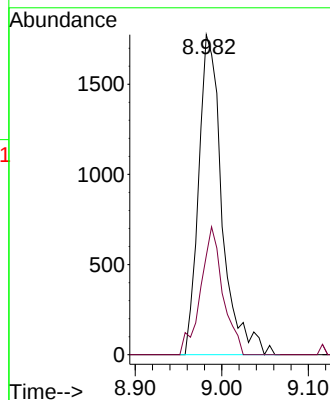
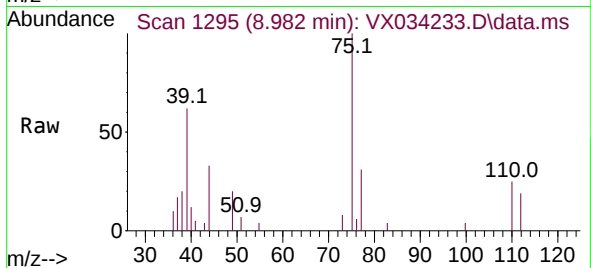
Tgt Ion: 75 Resp: 3328
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

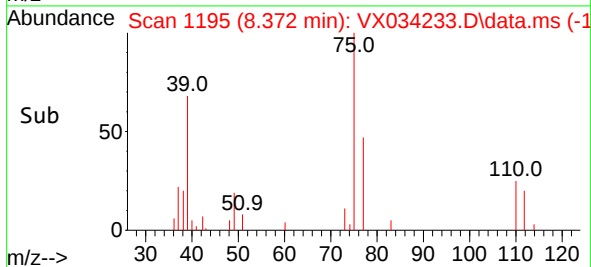
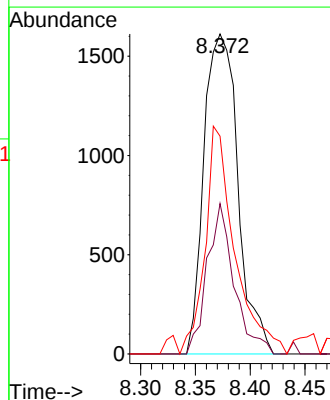
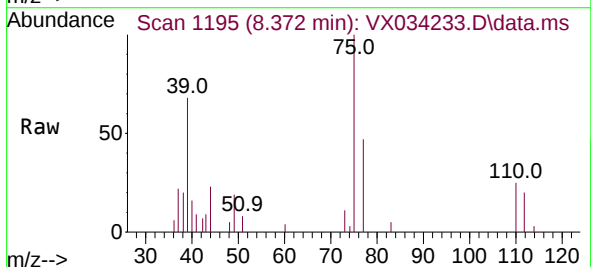
02/23/2023
Supervised By :Mahesh
Dadoda

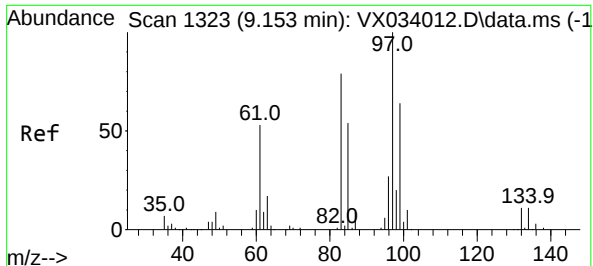
02/23/2023



#54
cis-1,3-Dichloropropene
Concen: 0.544 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

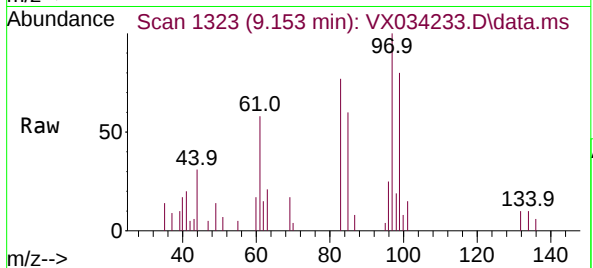
Tgt Ion: 75 Resp: 3481
Ion Ratio Lower Upper
75 100
77 47.0 25.0 37.6#
39 68.1 38.6 58.0#





#55
1,1,2-Trichloroethane
Concen: 0.651 ug/l
RT: 9.153 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



Tgt Ion: 97 Resp: 230

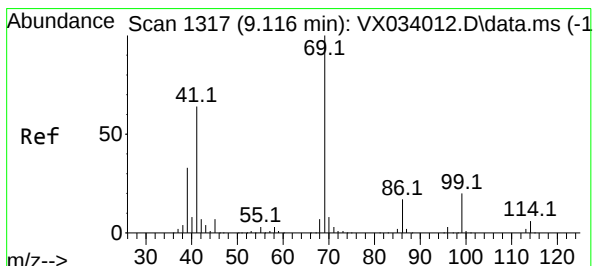
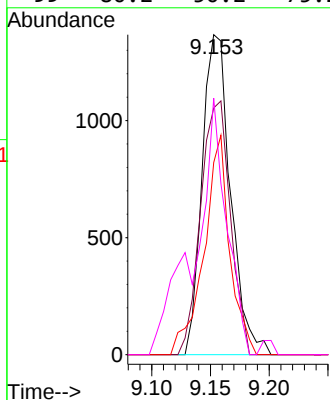
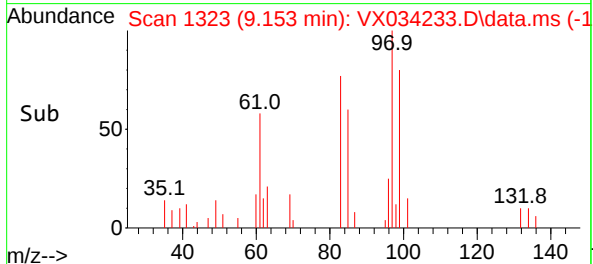
Ion	Ratio	Lower	Upper
97	100		
83	77.1	67.4	101.0
85	60.1	43.2	64.8
99	80.2	50.2	75.2

Manual Integrations
APPROVED

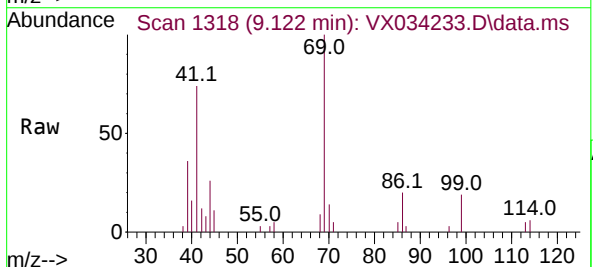
Reviewed By :John
Carlone

02/23/2023
Supervised By :Mahesh
Dadoda

02/23/2023

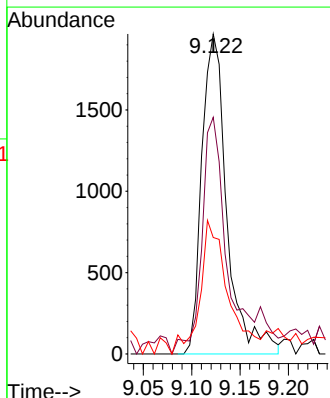
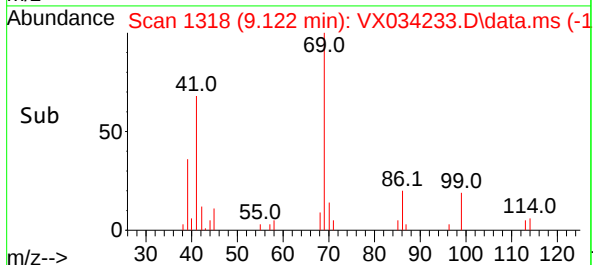


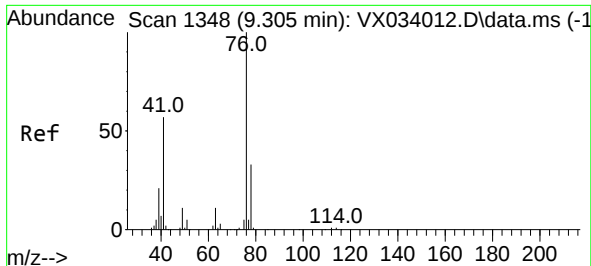
#56
Ethyl methacrylate
Concen: 0.594 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55



Tgt Ion: 69 Resp: 3550

Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.1	82.7
39	46.5	28.5	42.7





#57

1,3-Dichloropropane

Concen: 0.648 ug/l

RT: 9.311 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 76 Resp: 398

Ion Ratio Lower Upper

76 100

78 34.5 25.6 38.4

Manual Integrations

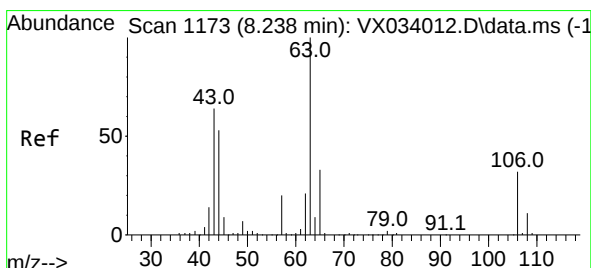
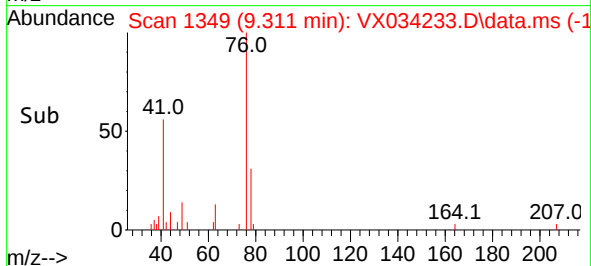
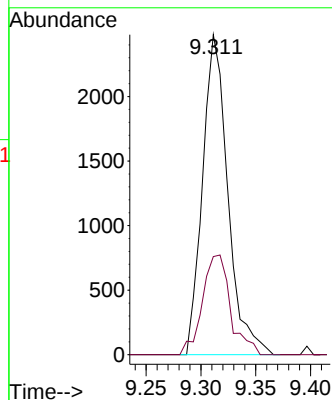
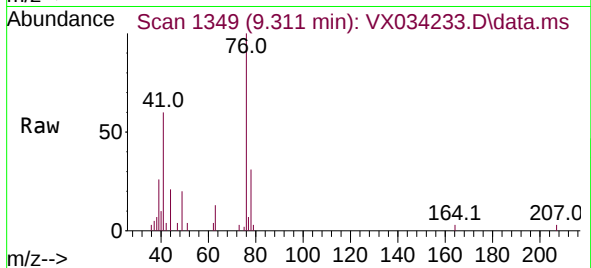
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#58

2-Chloroethyl Vinyl ether

Concen: 3.358 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX034233.D

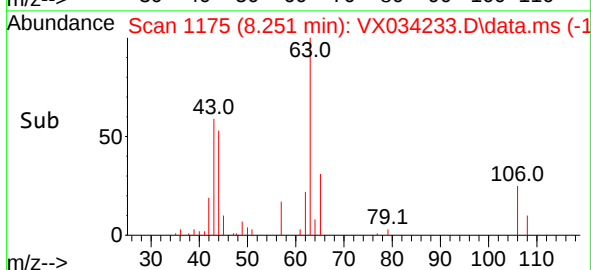
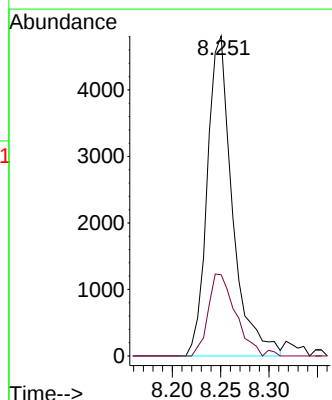
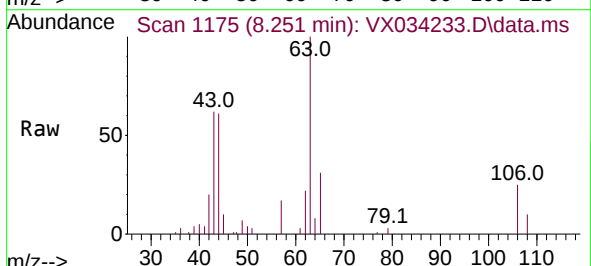
Acq: 22 Feb 2023 16:55

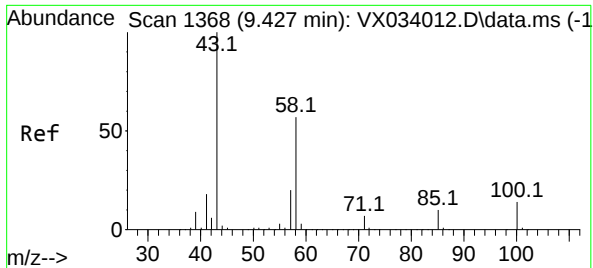
Tgt Ion: 63 Resp: 8693

Ion Ratio Lower Upper

63 100

106 28.2 24.5 36.7





#59

2-Hexanone

Concen: 2.992 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

43 100

58 50.1 27.4 82.0

Manual Integrations

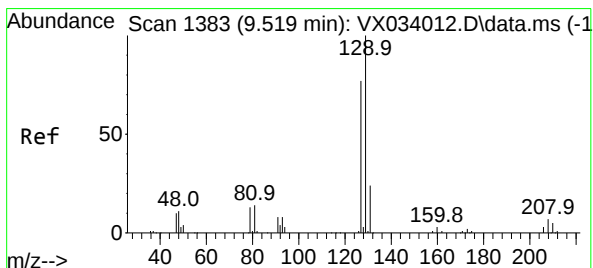
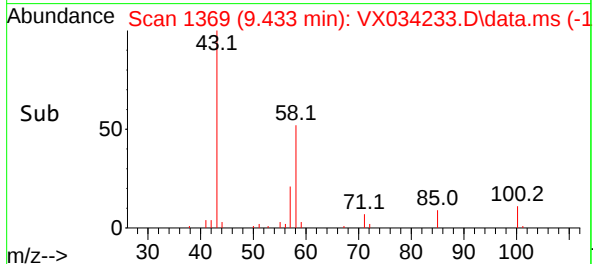
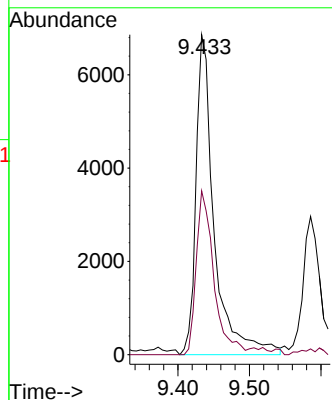
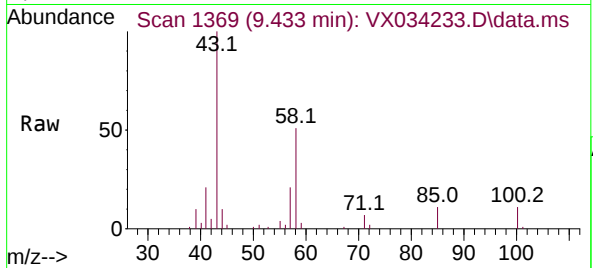
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#60

Dibromochloromethane

Concen: 0.575 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX034233.D

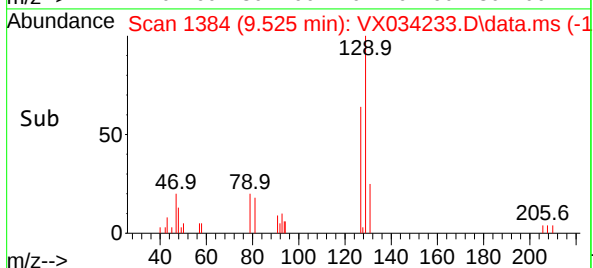
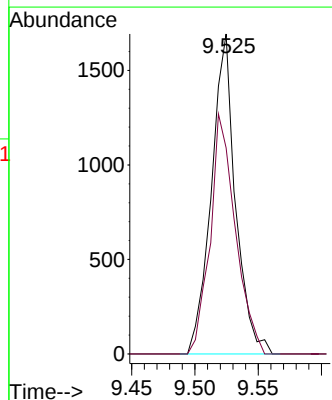
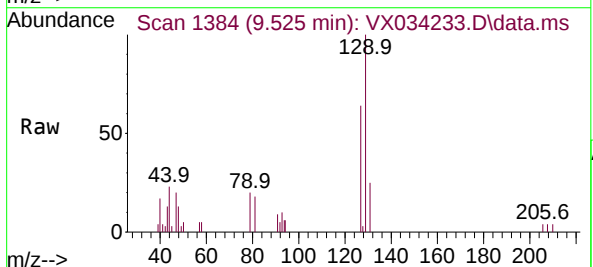
Acq: 22 Feb 2023 16:55

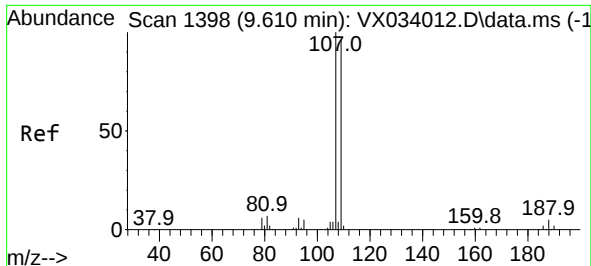
Tgt Ion:129 Resp: 2243

Ion Ratio Lower Upper

129 100

127 78.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 0.593 ug/l

RT: 9.616 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:107 Resp: 2214
 Ion Ratio Lower Upper
 107 100
 109 101.7 74.2 111.2

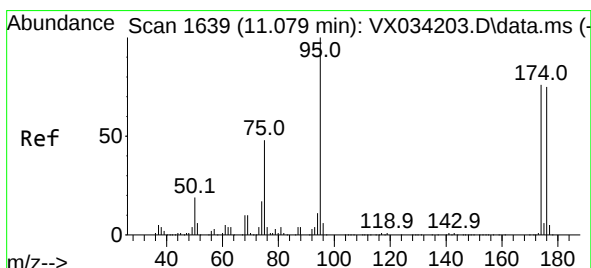
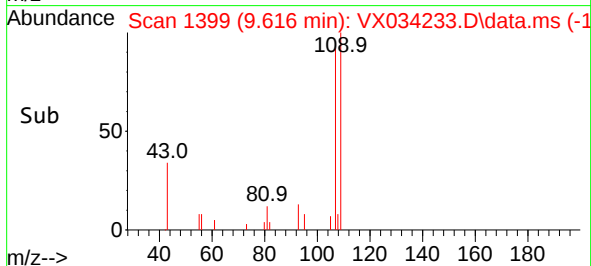
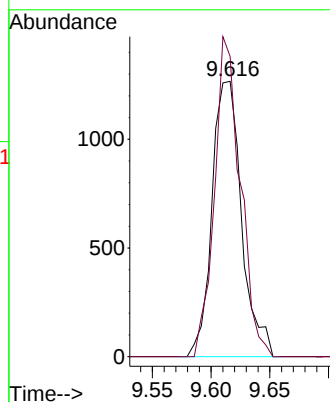
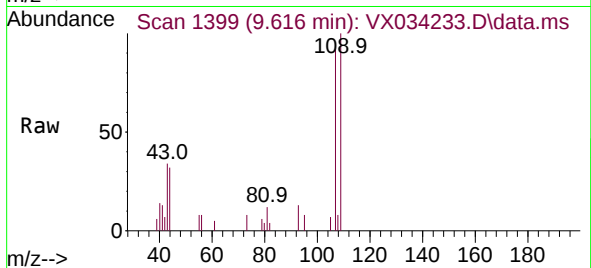
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/23/2023

Supervised By :Mahesh
 Dadoda

02/23/2023



#62

4-Bromofluorobenzene

Concen: 45.638 ug/l

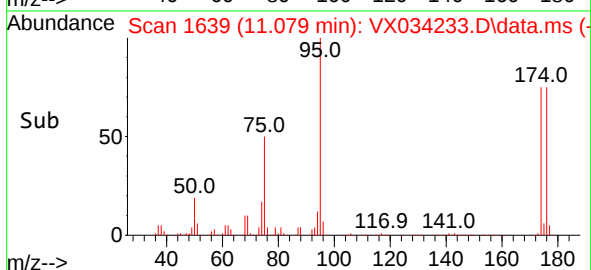
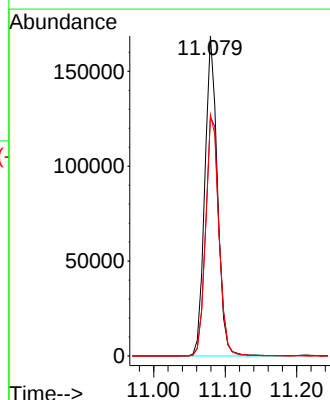
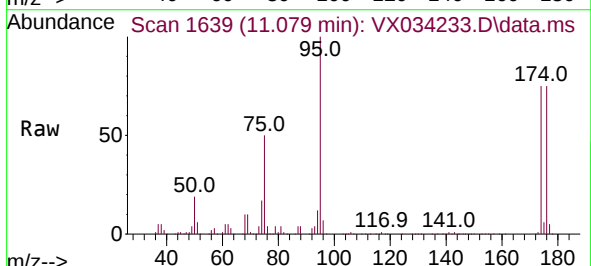
RT: 11.079 min Scan# 1639

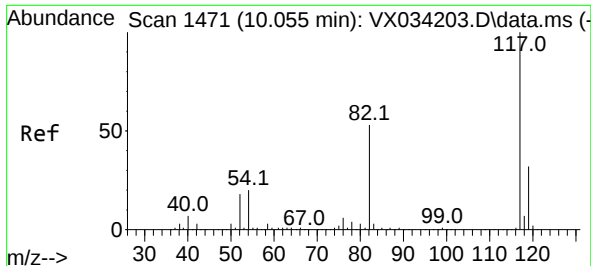
Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

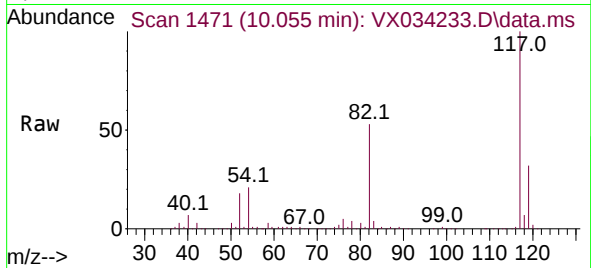
Tgt Ion: 95 Resp: 206533
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 184.4
 176 78.5 0.0 178.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



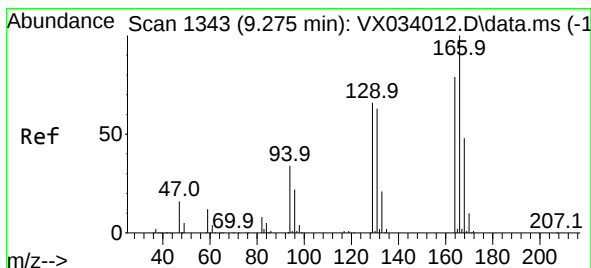
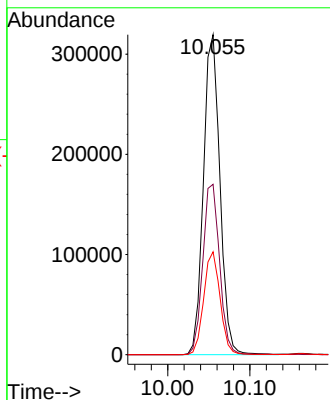
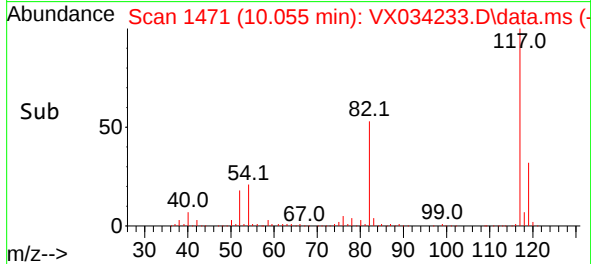
Tgt Ion:117 Resp: 445880
Ion Ratio Lower Upper
117 100
82 53.3 40.6 60.8
119 32.1 25.6 38.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

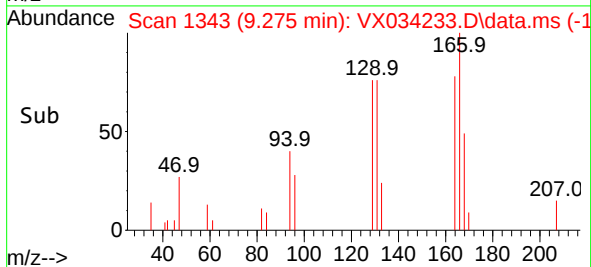
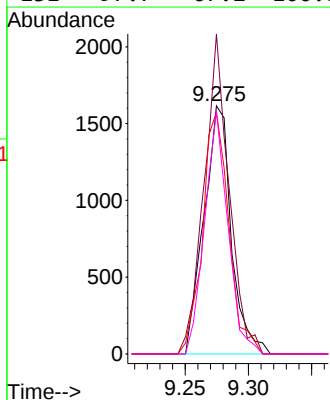
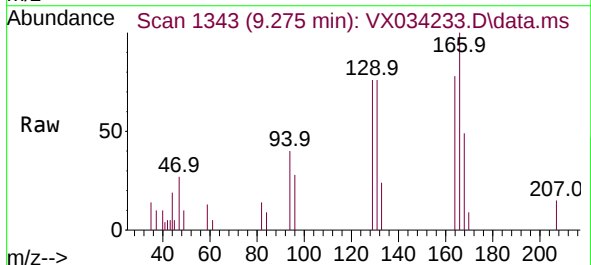
02/23/2023
Supervised By :Mahesh
Dadoda

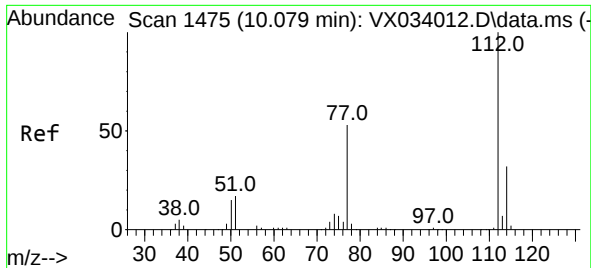
02/23/2023



#64
Tetrachloroethene
Concen: 0.774 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:164 Resp: 2435
Ion Ratio Lower Upper
164 100
166 129.0 100.2 150.2
129 97.4 69.2 103.8
131 97.7 67.2 100.8





#65
Chlorobenzene
Concen: 0.694 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

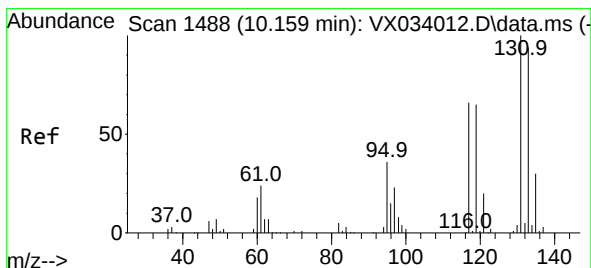
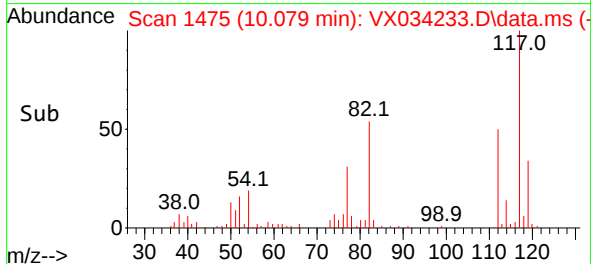
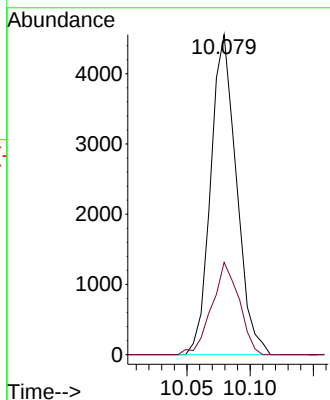
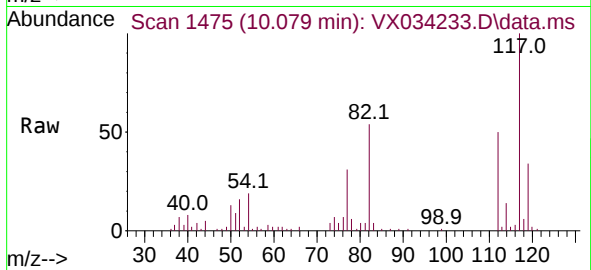
Tgt Ion:112 Resp: 645
Ion Ratio Lower Upper
112 100
114 28.8 26.2 39.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

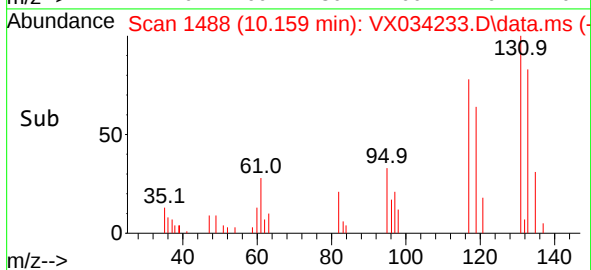
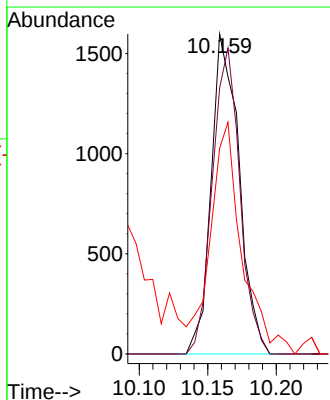
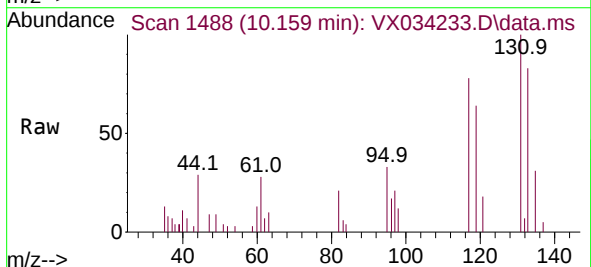
02/23/2023
Supervised By :Mahesh
Dadoda

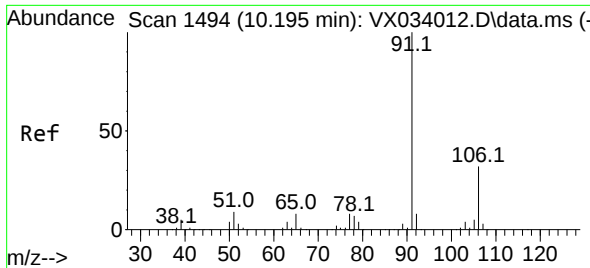
02/23/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.628 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:131 Resp: 2259
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.0
119 0.0 31.9 95.7#





#67
Ethyl Benzene
Concen: 0.647 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

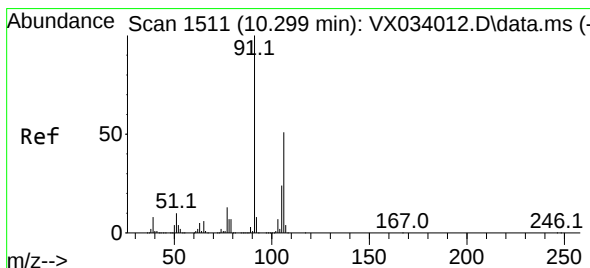
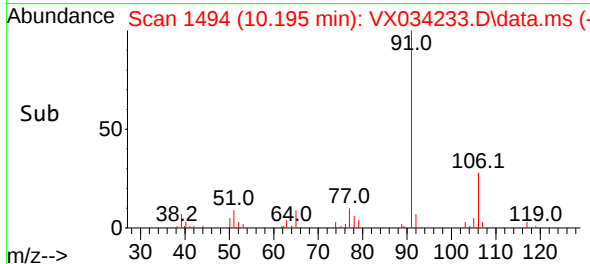
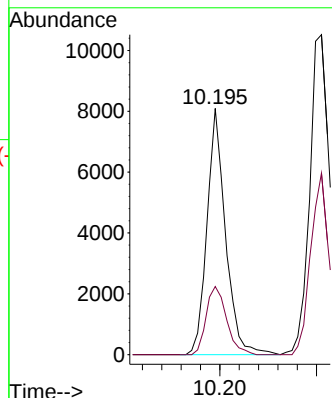
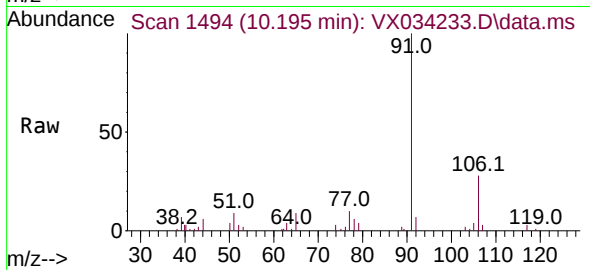
Tgt Ion: 91 Resp: 1080
Ion Ratio Lower Upper
91 100
106 27.7 25.8 38.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

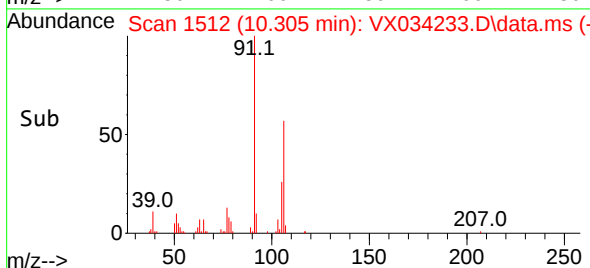
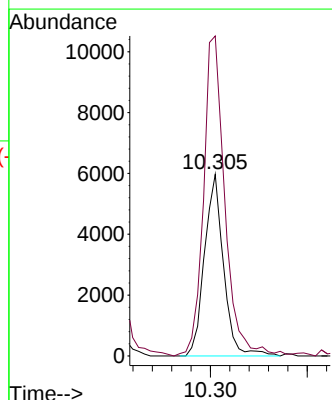
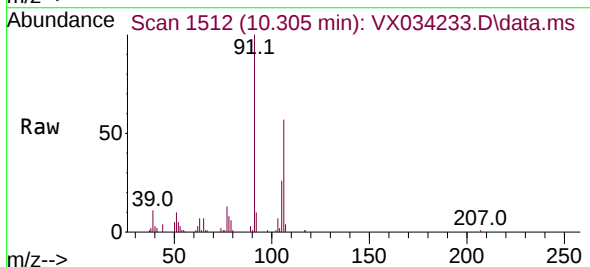
02/23/2023
Supervised By :Mahesh
Dadoda

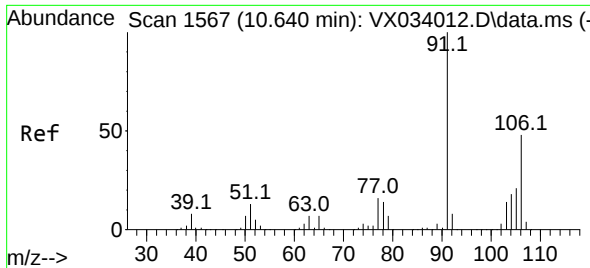
02/23/2023



#68
m/p-Xylenes
Concen: 1.284 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:106 Resp: 8203
Ion Ratio Lower Upper
106 100
91 197.1 156.4 234.6





#69
o-Xylene
Concen: 0.651 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

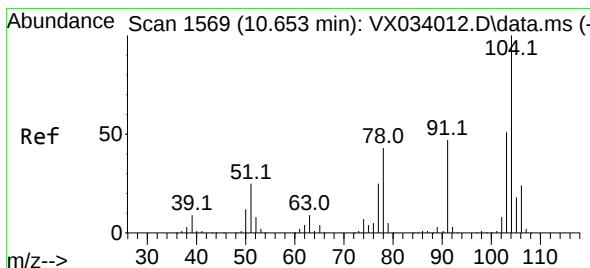
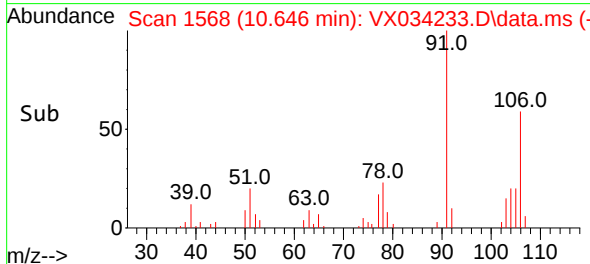
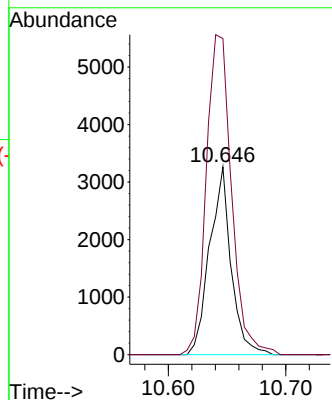
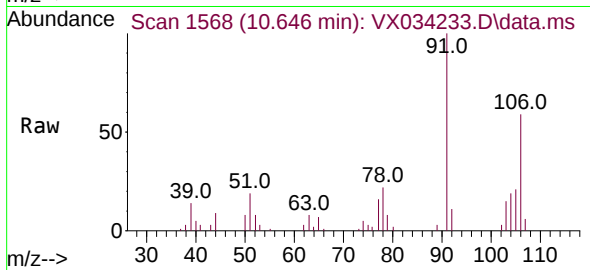
Tgt Ion:106 Resp: 4140
Ion Ratio Lower Upper
106 100
91 200.0 103.1 309.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

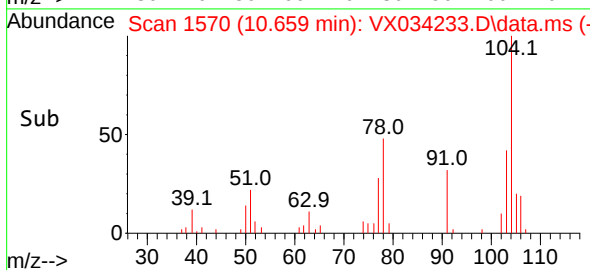
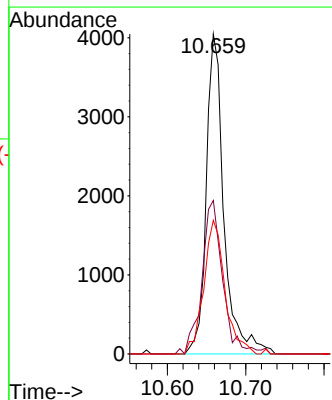
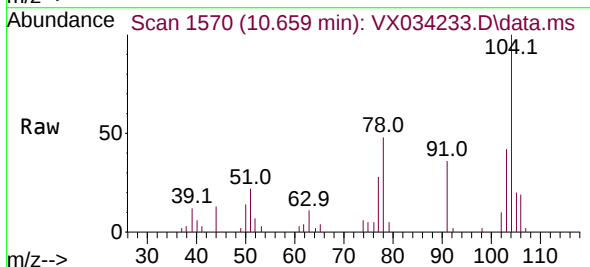
02/23/2023
Supervised By :Mahesh
Dadoda

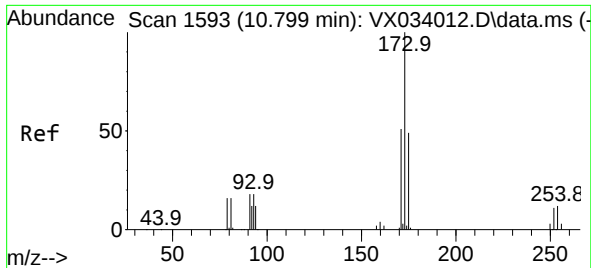
02/23/2023



#70
Styrene
Concen: 0.611 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

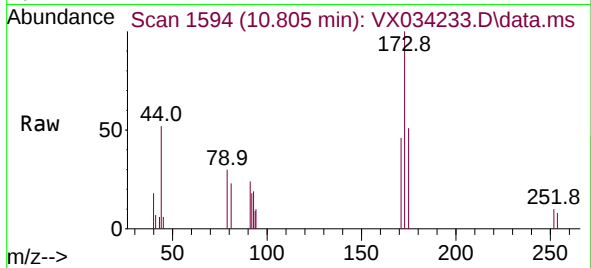
Tgt Ion:104 Resp: 6318
Ion Ratio Lower Upper
104 100
78 56.9 37.5 56.3#
103 50.2 43.3 64.9





#71
Bromoform
Concen: 0.526 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



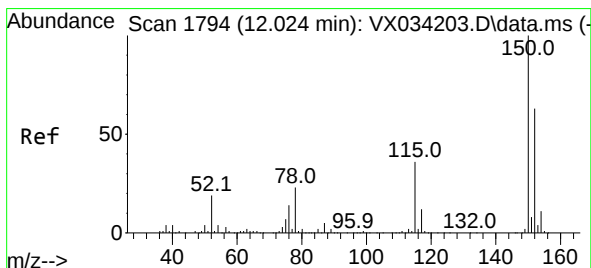
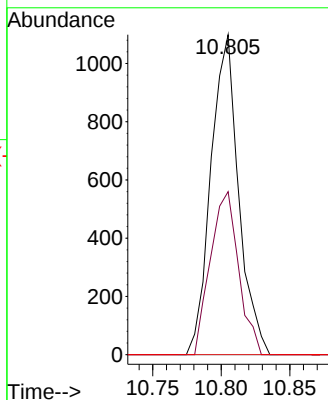
Tgt Ion:173 Resp: 1540
Ion Ratio Lower Upper
173 100
175 51.8 24.1 72.3
254 0.0 0.1 0.1

Manual Integrations
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Reviewed By :John
Carlone

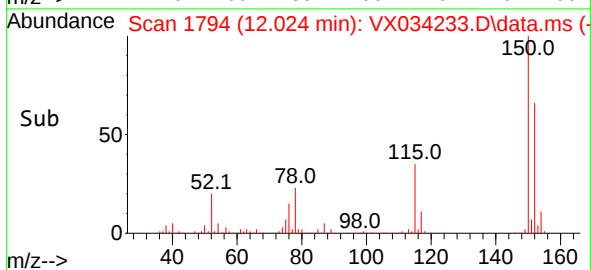
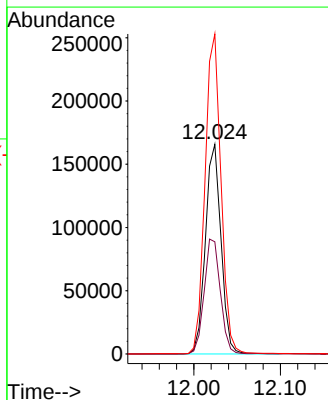
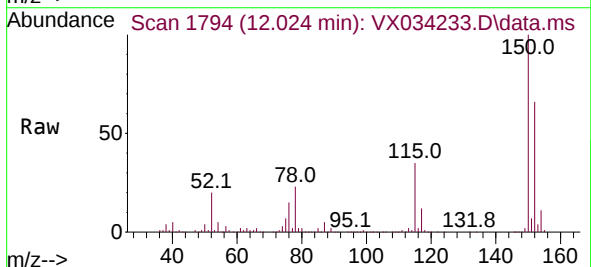
02/23/2023
Supervised By :Mahesh
Dadoda

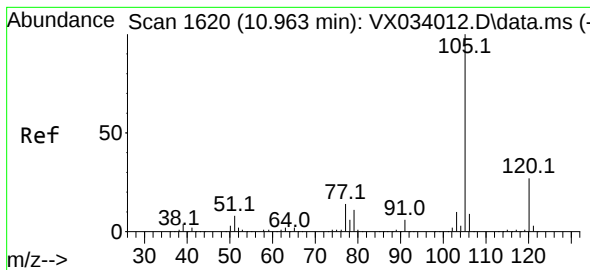
02/23/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:152 Resp: 207637
Ion Ratio Lower Upper
152 100
115 56.7 38.7 116.1
150 155.7 0.0 348.2





#73

Isopropylbenzene

Concen: 0.641 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 1013
 Ion Ratio Lower Upper
 105 100
 120 28.2 13.6 40.8

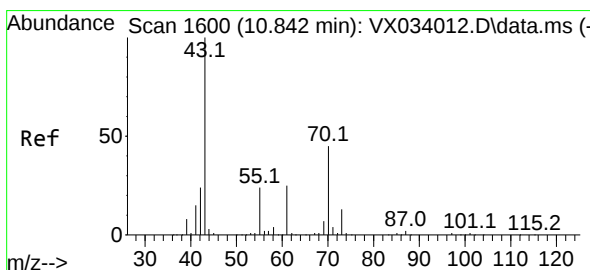
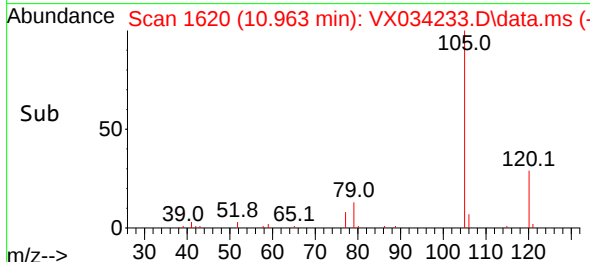
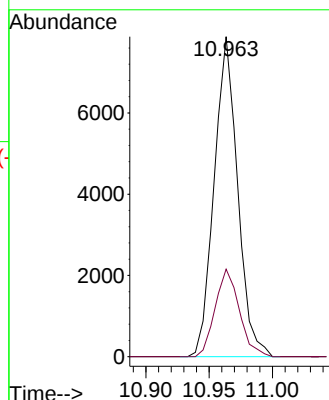
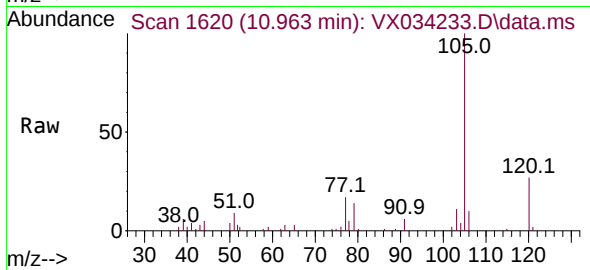
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/23/2023

Supervised By :Mahesh
 Dadoda

02/23/2023



#74

N-ethyl acetate

Concen: 0.615 ug/l

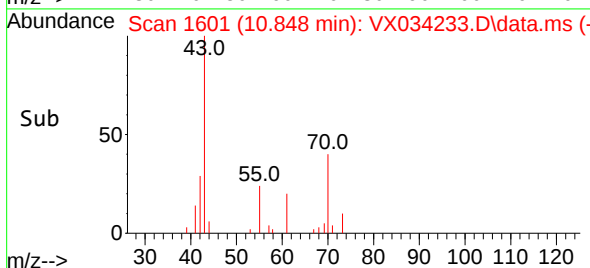
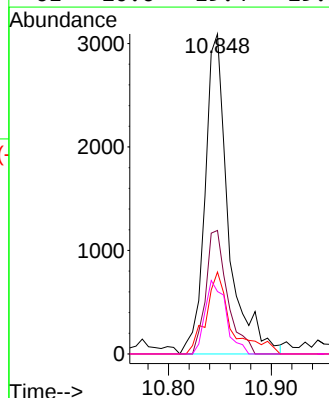
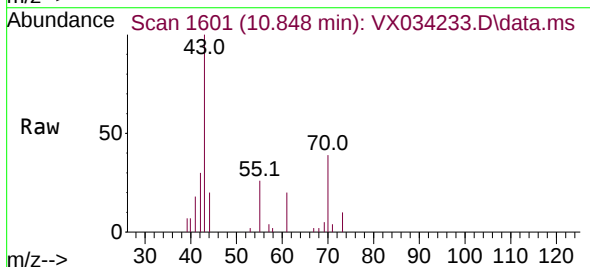
RT: 10.848 min Scan# 1601

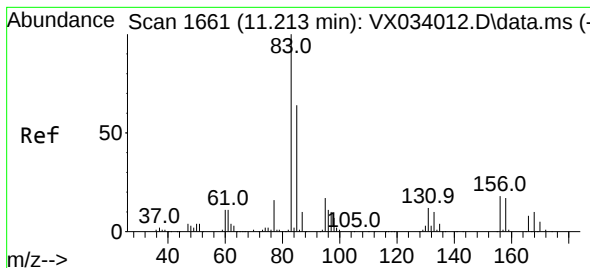
Delta R.T. 0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion: 43 Resp: 4892
 Ion Ratio Lower Upper
 43 100
 70 35.7 34.8 52.2
 55 27.5 19.4 29.0
 61 20.6 19.4 29.2





#75
1,1,2,2-Tetrachloroethane
Concen: 0.634 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

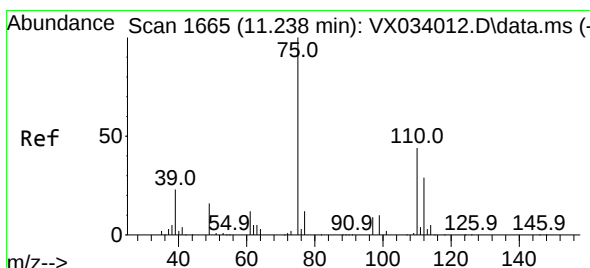
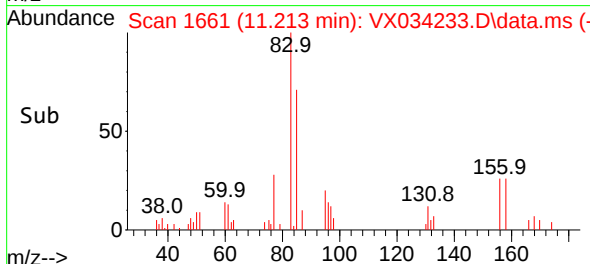
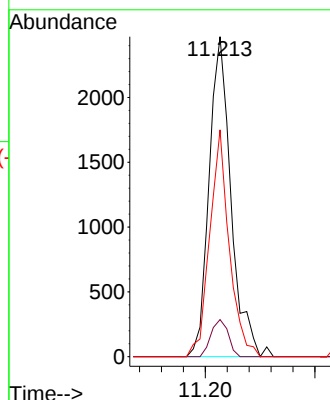
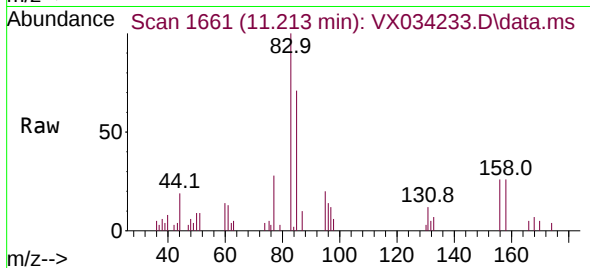
Tgt Ion: 83 Resp: 343
Ion Ratio Lower Upper
83 100
131 9.1 5.5 16.7
85 63.1 32.3 96.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

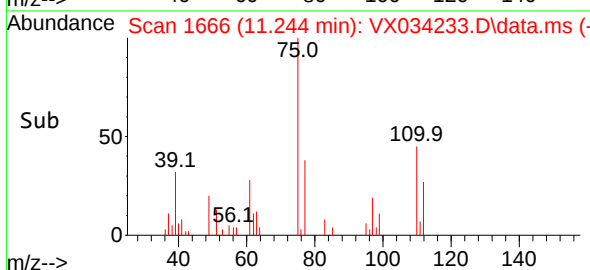
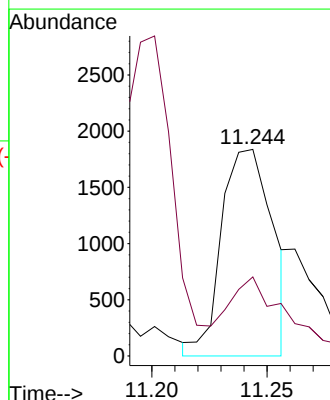
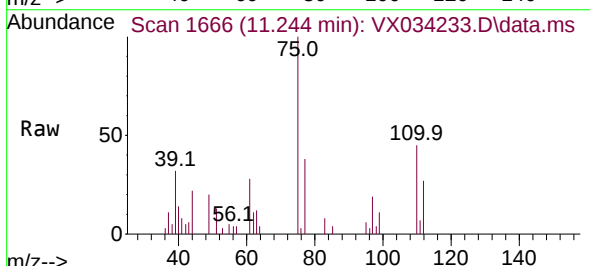
02/23/2023
Supervised By :Mahesh
Dadoda

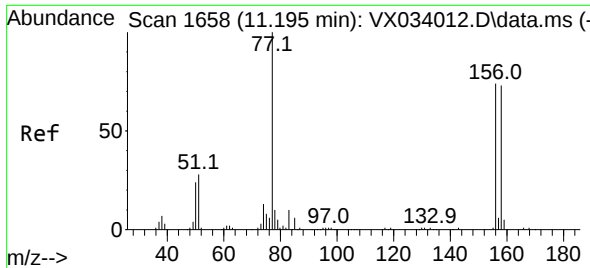
02/23/2023



#76
1,2,3-Trichloropropane
Concen: 0.545 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

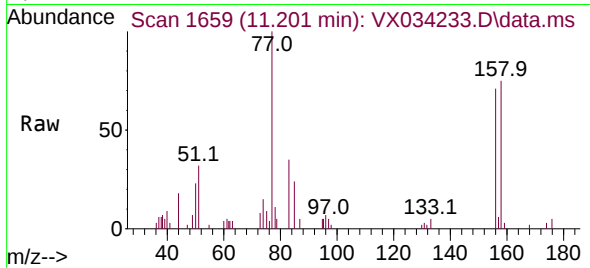
Tgt Ion: 75 Resp: 2849
Ion Ratio Lower Upper
75 100
77 44.8 21.8 65.4





#77
Bromobenzene
Concen: 0.697 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



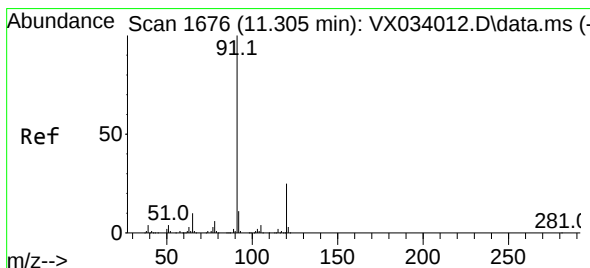
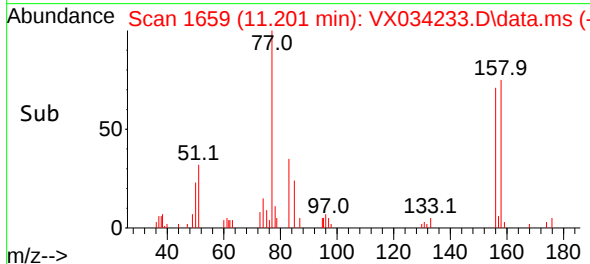
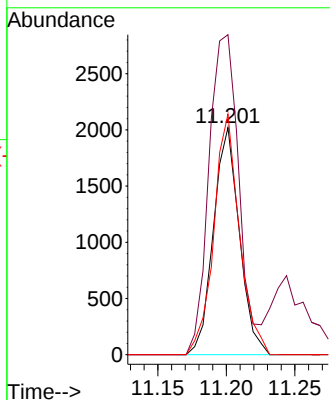
Tgt Ion:156 Resp: 2650
Ion Ratio Lower Upper
156 100
77 163.9 68.1 204.3
158 104.7 48.0 144.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

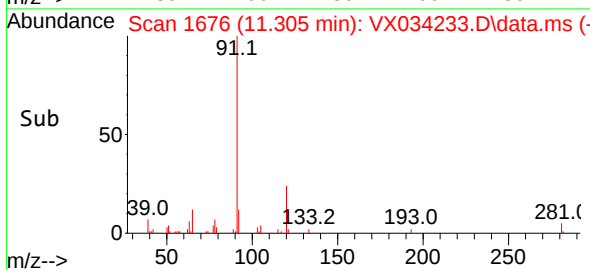
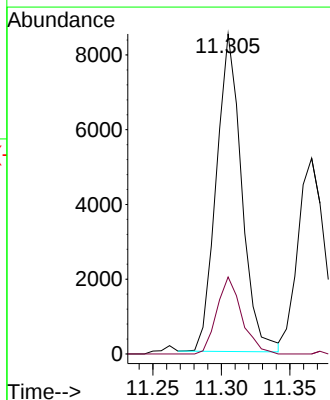
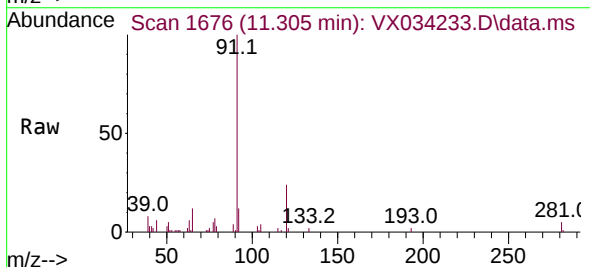
02/23/2023
Supervised By :Mahesh
Dadoda

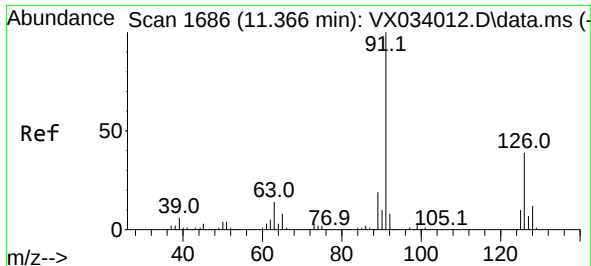
02/23/2023



#78
n-propylbenzene
Concen: 0.594 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 91 Resp: 10929
Ion Ratio Lower Upper
91 100
120 23.8 12.3 36.8





#79
2-Chlorotoluene
Concen: 0.641 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

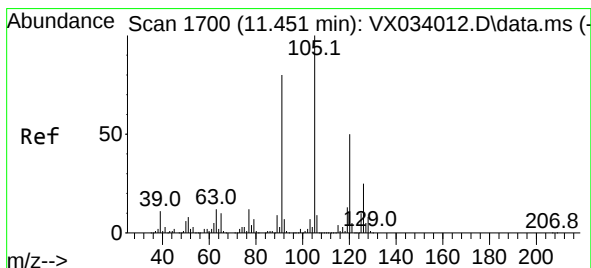
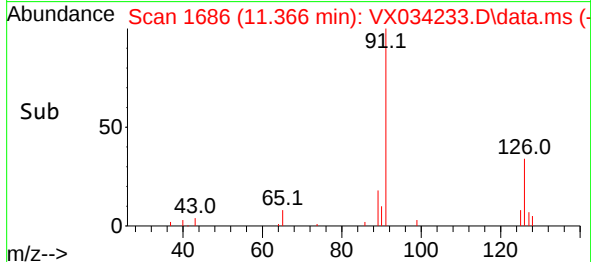
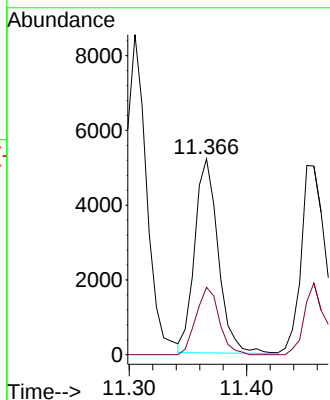
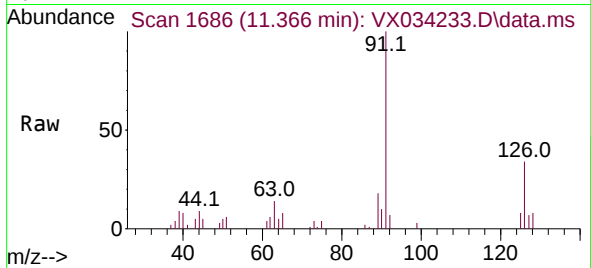
Tgt Ion: 91 Resp: 7232
Ion Ratio Lower Upper
91 100
126 34.1 18.1 54.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

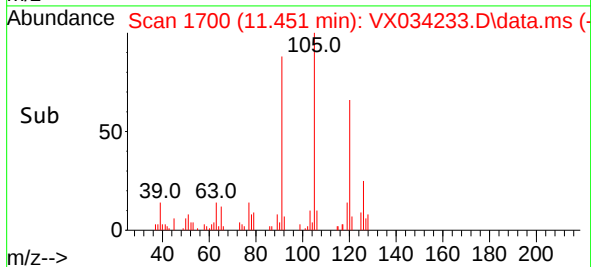
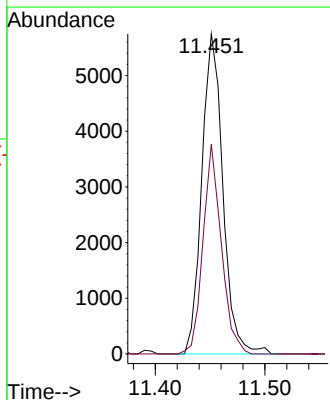
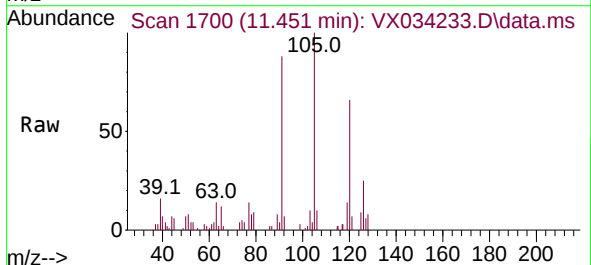
02/23/2023
Supervised By :Mahesh
Dadoda

02/23/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.575 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:105 Resp: 7655
Ion Ratio Lower Upper
105 100
120 57.2 25.6 76.8





#81
trans-1,4-Dichloro-2-butene
Concen: 0.388 ug/l m
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023

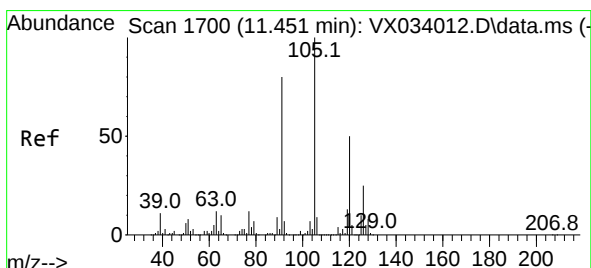
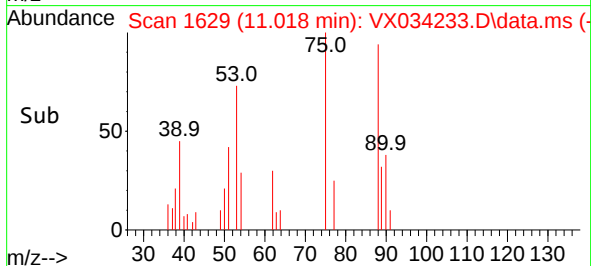
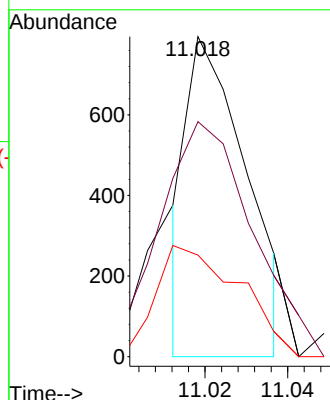
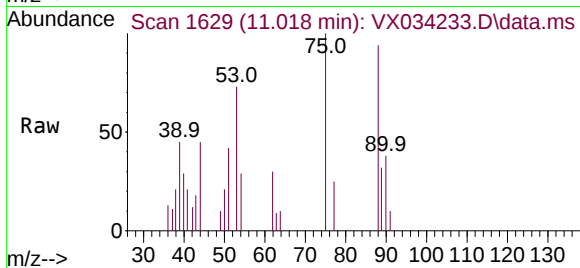
Tgt Ion: 75 Resp: 789
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6
89 3.4 37.7 56.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

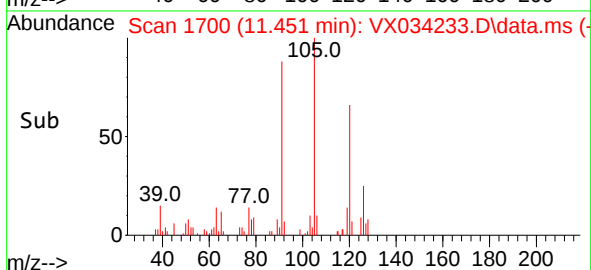
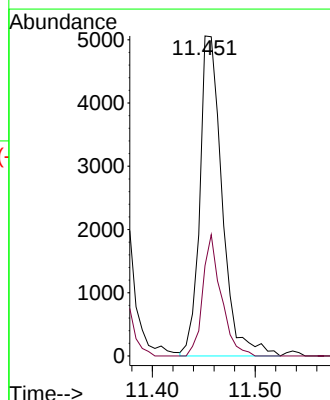
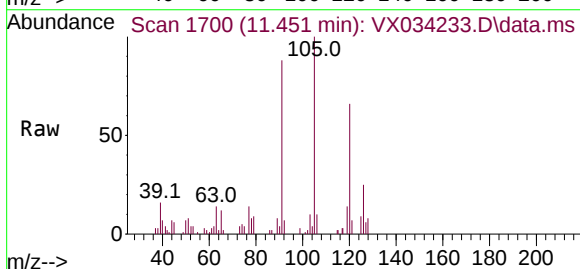
02/23/2023
Supervised By :Mahesh
Dadoda

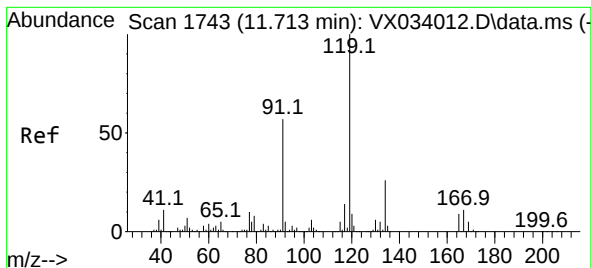
02/23/2023



#82
4-Chlorotoluene
Concen: 0.597 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 91 Resp: 7676
Ion Ratio Lower Upper
91 100
126 31.2 15.8 47.4





#83

tert-Butylbenzene

Concen: 0.658 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:	119	Resp:	896
Ion Ratio	Lower	Upper	
119	100		
91	53.2	26.9	80.7
134	24.3	12.3	36.8

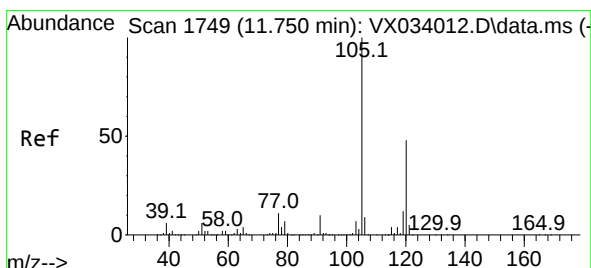
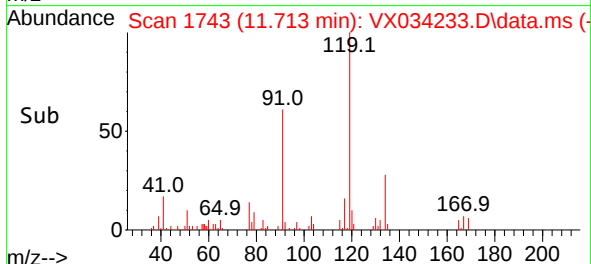
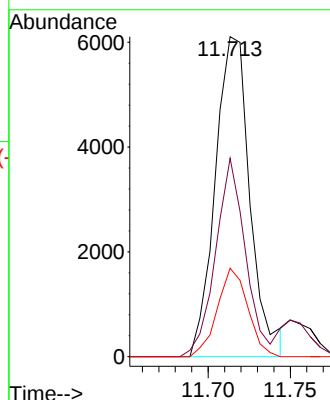
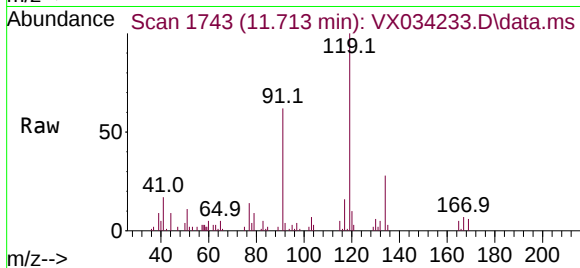
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#84

1,2,4-Trimethylbenzene

Concen: 0.571 ug/l

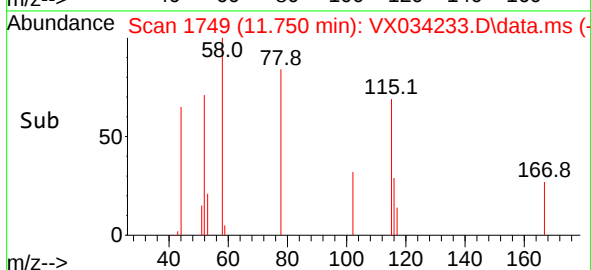
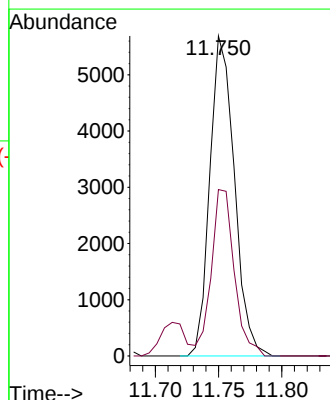
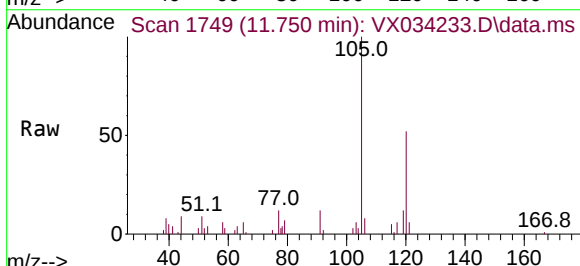
RT: 11.750 min Scan# 1749

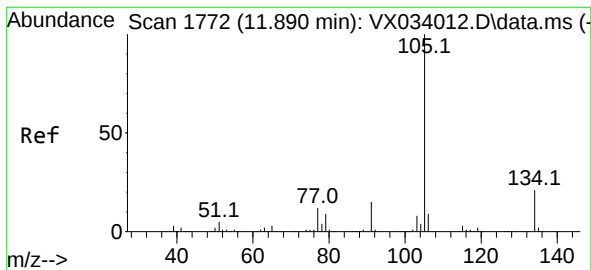
Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Tgt Ion:	105	Resp:	7676
Ion Ratio	Lower	Upper	
105	100		
120	48.4	23.4	70.2





#85

sec-Butylbenzene

Concen: 0.611 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 1011
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.8 32.3

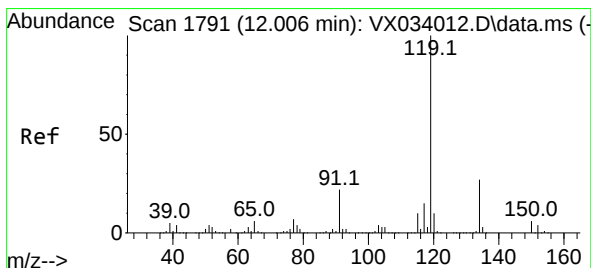
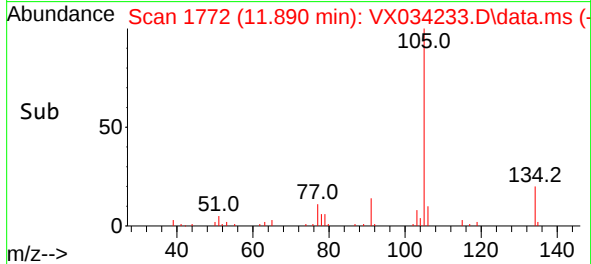
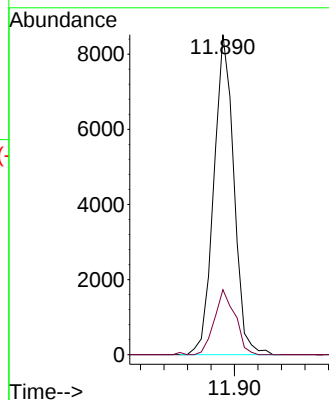
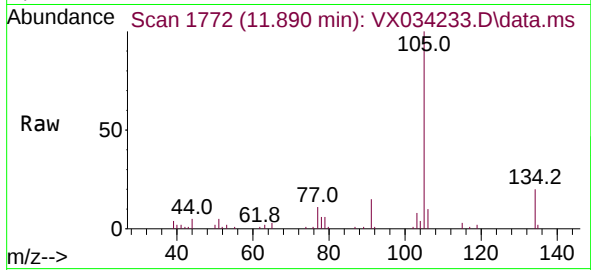
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/23/2023

Supervised By :Mahesh
 Dadoda

02/23/2023



#86

p-Isopropyltoluene

Concen: 0.568 ug/l

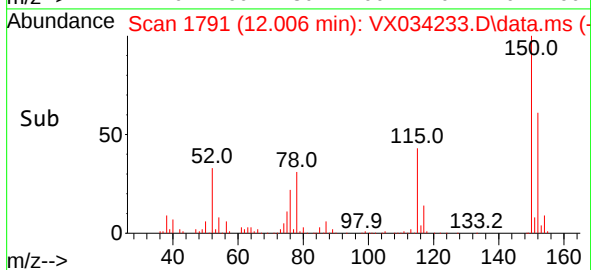
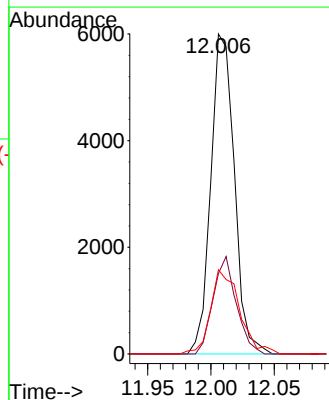
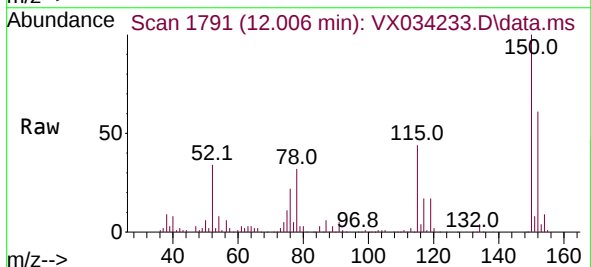
RT: 12.006 min Scan# 1791

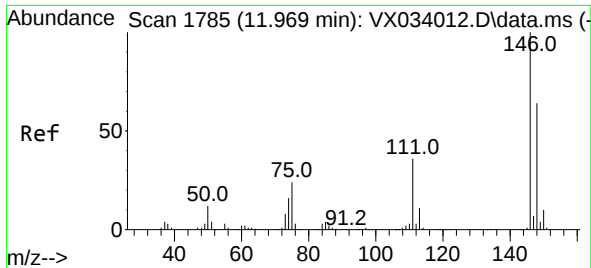
Delta R.T. -0.006 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

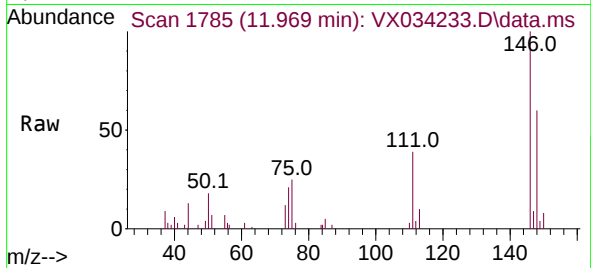
Tgt Ion:119 Resp: 7777
 Ion Ratio Lower Upper
 119 100
 134 30.0 13.6 40.8
 91 32.3 11.0 33.0





#87
1,3-Dichlorobenzene
Concen: 0.687 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



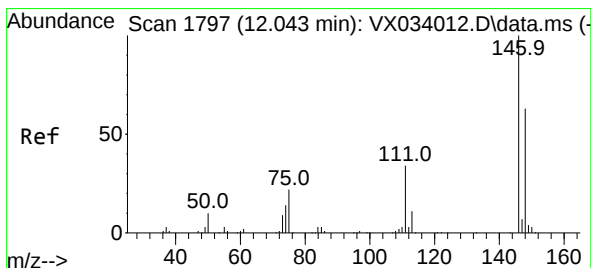
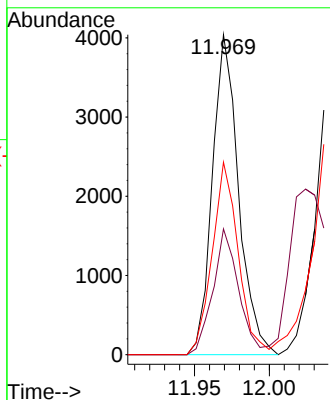
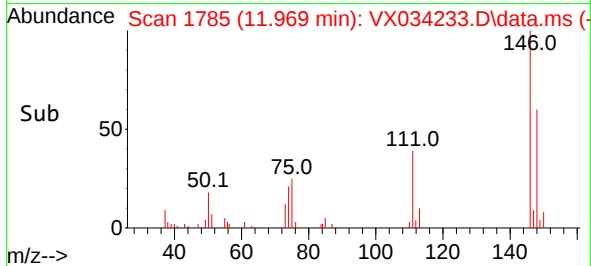
Tgt Ion:146 Resp: 4909
Ion Ratio Lower Upper
146 100
111 38.5 18.6 55.6
148 60.0 31.9 95.5

Manual Integrations
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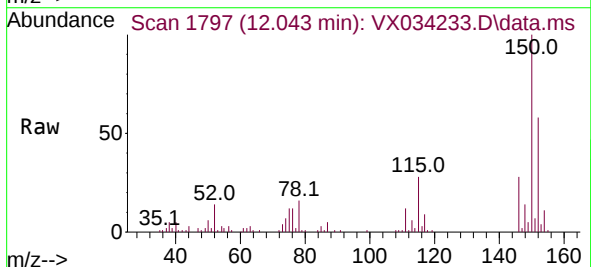
Reviewed By :John
Carlone

02/23/2023
Supervised By :Mahesh
Dadoda

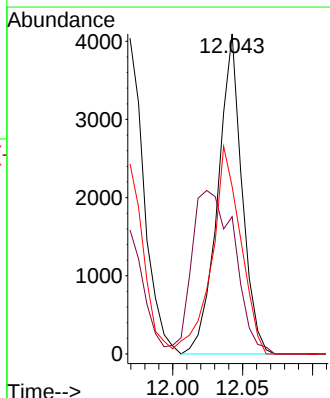
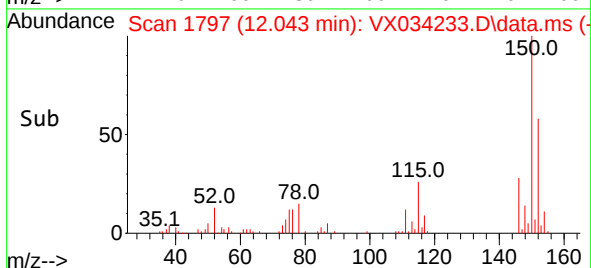
02/23/2023

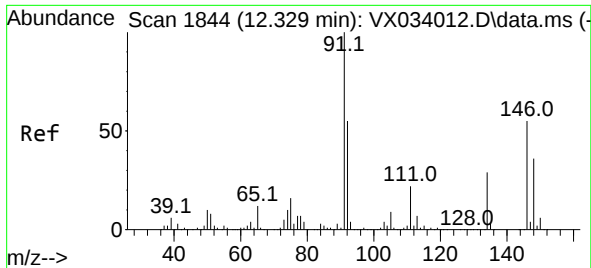


#88
1,4-Dichlorobenzene
Concen: 0.684 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55



Tgt Ion:146 Resp: 4929
Ion Ratio Lower Upper
146 100
111 38.3 17.8 53.4
148 59.8 32.1 96.3





#89

n-Butylbenzene

Concen: 0.531 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 91	Resp: 648
Ion Ratio	Lower Upper
91	100
92	54.9 27.5 82.5
134	28.2 14.3 42.9

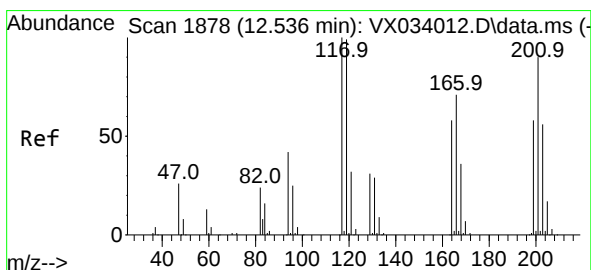
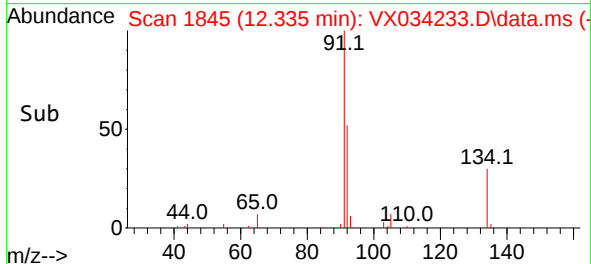
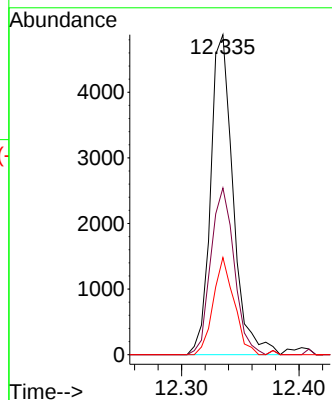
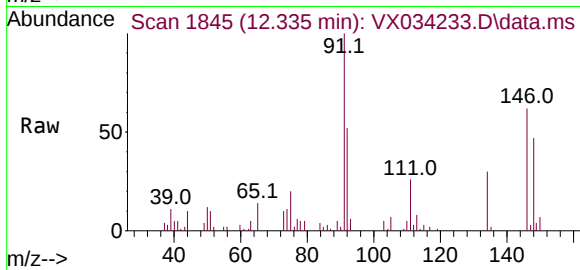
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023

Supervised By :Mahesh
Dadoda

02/23/2023



#90

Hexachloroethane

Concen: 0.522 ug/l

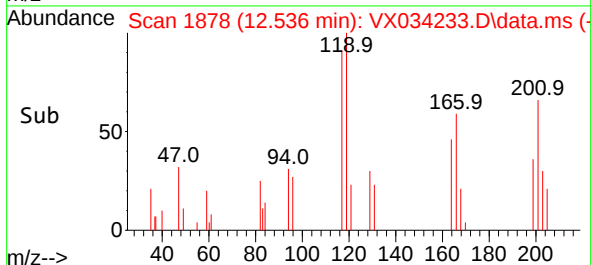
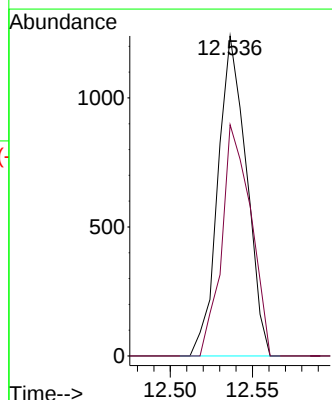
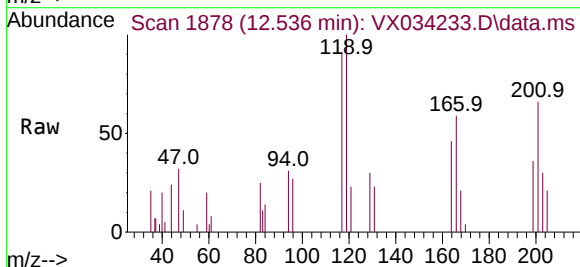
RT: 12.536 min Scan# 1878

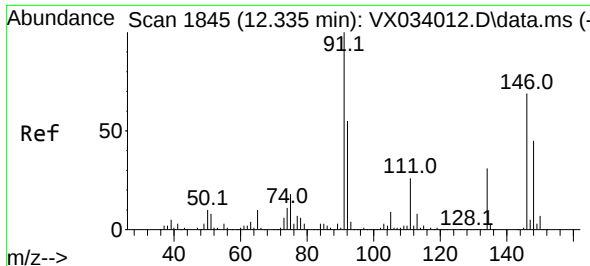
Delta R.T. 0.000 min

Lab File: VX034233.D

Acq: 22 Feb 2023 16:55

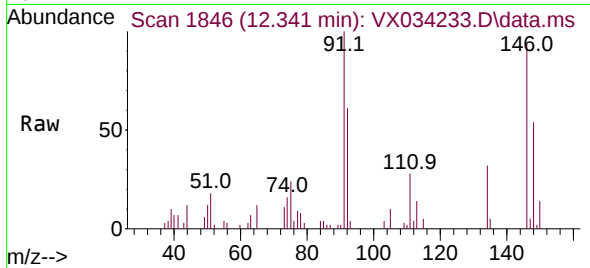
Tgt Ion: 117	Resp: 1495
Ion Ratio	Lower Upper
117	100
201	73.8 45.1 135.3





#91
1,2-Dichlorobenzene
Concen: 0.626 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



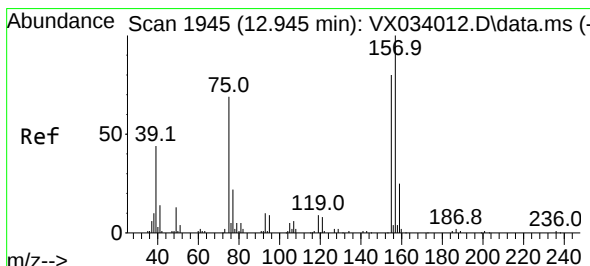
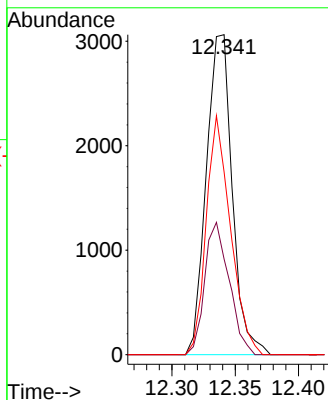
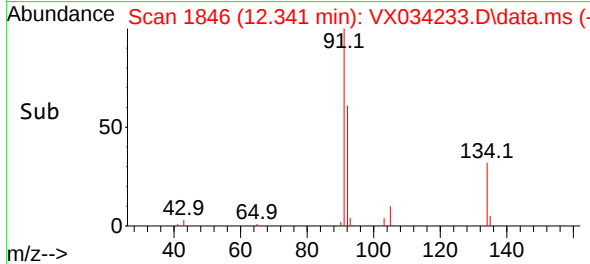
Tgt Ion:146 Resp: 4372
Ion Ratio Lower Upper
146 100
111 38.9 19.3 57.8
148 69.8 32.3 96.9

Manual Integrations
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Reviewed By :John
Carlone

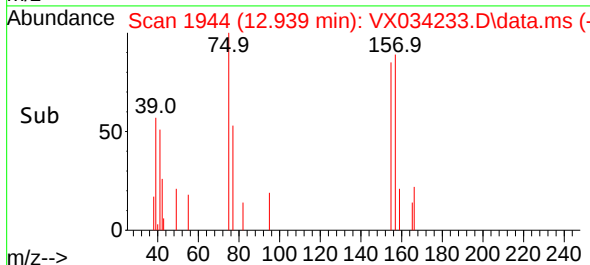
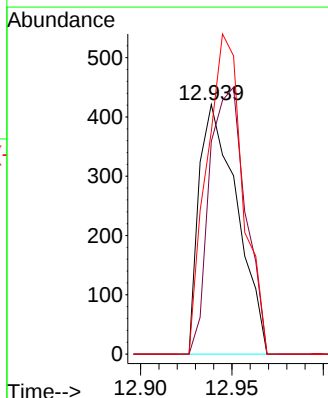
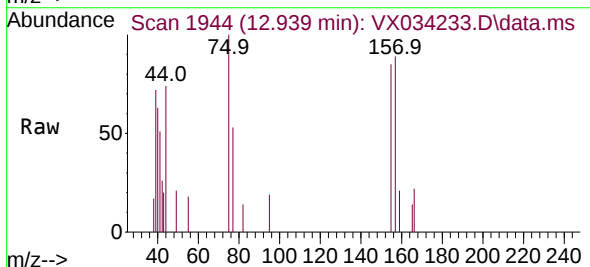
02/23/2023
Supervised By :Mahesh
Dadoda

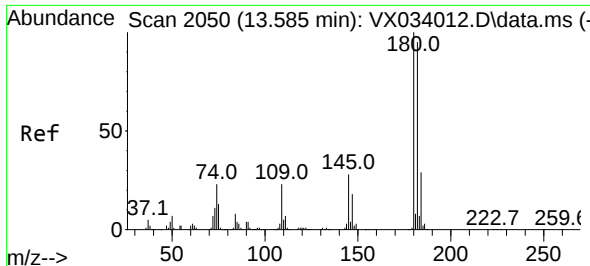
02/23/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.470 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion: 75 Resp: 606
Ion Ratio Lower Upper
75 100
155 102.3 51.7 155.1
157 122.6 67.5 202.3





#93
1,2,4-Trichlorobenzene
Concen: 0.607 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

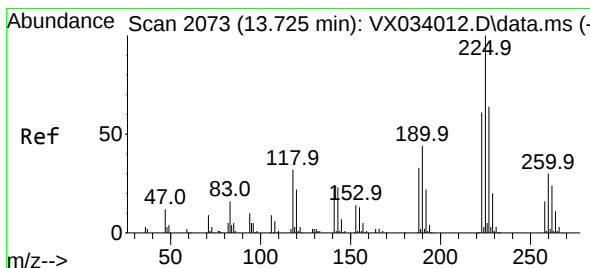
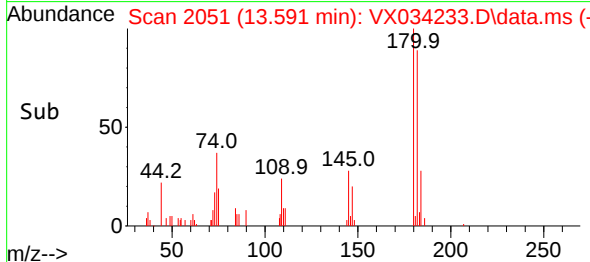
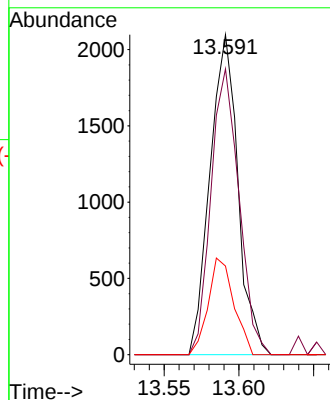
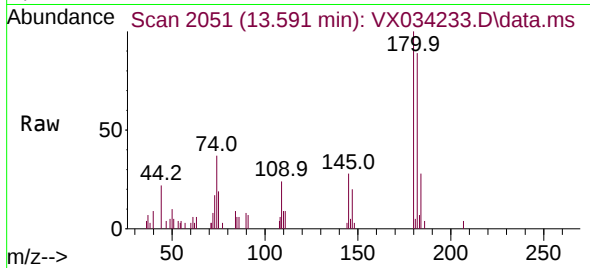
Tgt Ion:180 Resp: 2724
Ion Ratio Lower Upper
180 100
182 89.4 47.9 143.6
145 27.7 14.1 42.2

Manual Integrations
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Reviewed By :John
Carlone

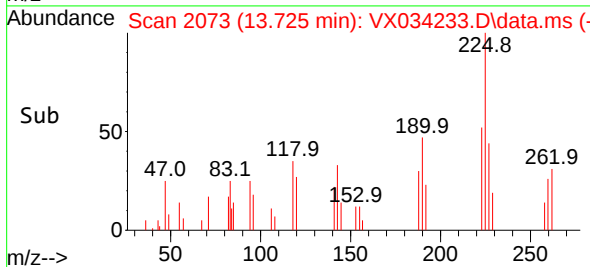
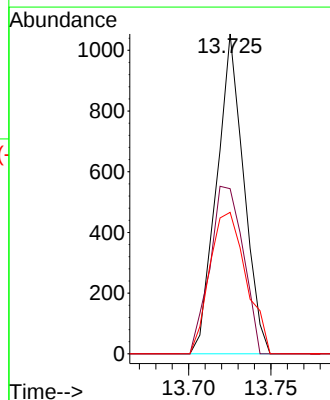
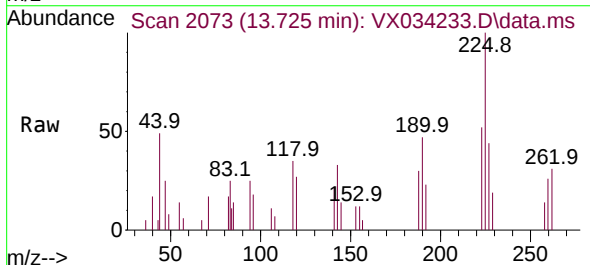
02/23/2023
Supervised By :Mahesh
Dadoda

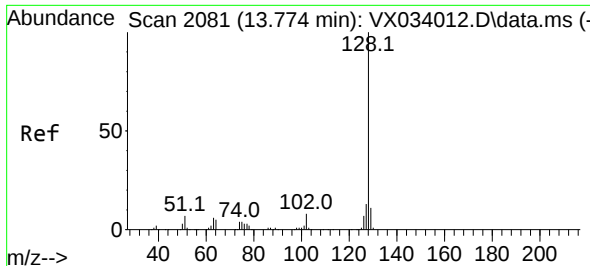
02/23/2023



#94
Hexachlorobutadiene
Concen: 0.651 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:225 Resp: 1210
Ion Ratio Lower Upper
225 100
223 64.0 31.3 93.9
227 59.5 32.3 96.9





#95
Naphthalene
Concen: 0.631 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023

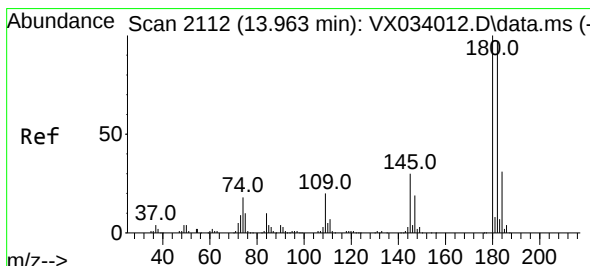
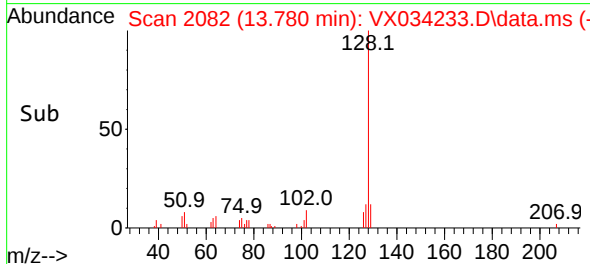
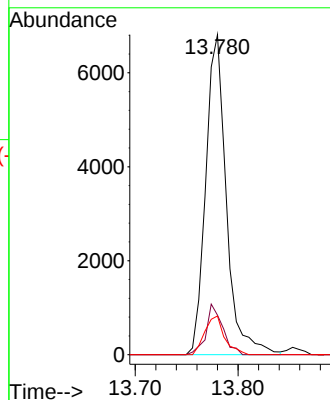
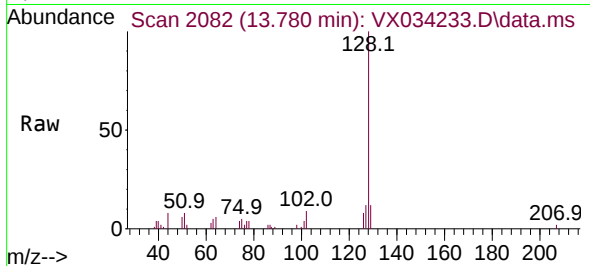
Tgt Ion:128 Resp: 953
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/23/2023
Supervised By :Mahesh
Dadoda

02/23/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.572 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX034233.D
Acq: 22 Feb 2023 16:55

Tgt Ion:180 Resp: 2546
Ion Ratio Lower Upper
180 100
182 100.5 47.6 142.9
145 36.5 15.1 45.3

