

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034231.D
 Acq On : 22 Feb 2023 16:09
 Operator : JC/MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 23 03:20:33 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 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	300465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	494498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	178778	44.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.360%		
35) Dibromofluoromethane	5.385	113	153472	47.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	8.647	98	563091	48.712	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.420%		
62) 4-Bromofluorobenzene	11.079	95	199534	45.127	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	268	0.103	ug/l	96
3) Chloromethane	1.294	50	730	0.195	ug/l	95
4) Vinyl Chloride	1.374	62	580	0.170	ug/l #	85
5) Bromomethane	1.611	94	456	0.338	ug/l #	78
6) Chloroethane	1.691	64	359	0.210	ug/l #	80
7) Trichlorofluoromethane	1.886	101	794	0.172	ug/l	87
8) Diethyl Ether	2.130	74	270	0.146	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	433	0.134	ug/l #	92
10) Methyl Iodide	2.453	142	446	0.113	ug/l #	88
11) Tert butyl alcohol	2.953	59	3609	3.988	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	431	0.133	ug/l	97
13) Acrolein	2.239	56	548	1.326	ug/l #	1
14) Allyl chloride	2.672	41	1006	0.146	ug/l	91
15) Acrylonitrile	3.068	53	1430	0.724	ug/l #	77
16) Acetone	2.379	43	2081	0.997	ug/l	92
17) Carbon Disulfide	2.520	76	1485	0.159	ug/l #	79
18) Methyl Acetate	2.703	43	1142	0.177	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	1720	0.150	ug/l	94
20) Methylene Chloride	2.788	84	1829	0.486	ug/l #	89
21) trans-1,2-Dichloroethene	3.093	96	627	0.184	ug/l #	62
22) Diisopropyl ether	3.769	45	1784	0.148	ug/l	94
23) Vinyl Acetate	3.739	43	5250	0.542	ug/l	96
24) 1,1-Dichloroethane	3.611	63	926	0.140	ug/l #	81
25) 2-Butanone	4.586	43	2786m	0.922	ug/l	
26) 2,2-Dichloropropane	4.464	77	867	0.144	ug/l	88
27) cis-1,2-Dichloroethene	4.501	96	493m	0.122	ug/l	
28) Bromochloromethane	4.928	49	299m	0.101	ug/l	
29) Tetrahydrofuran	5.038	42	1057	0.574	ug/l	98
30) Chloroform	5.098	83	1055	0.166	ug/l #	46
31) Cyclohexane	5.476	56	940	0.156	ug/l #	73
32) 1,1,1-Trichloroethane	5.385	97	833	0.146	ug/l #	23
36) 1,1-Dichloropropene	5.702	75	715	0.150	ug/l #	53
37) Ethyl Acetate	4.708	43	195	0.037	ug/l #	68
38) Carbon Tetrachloride	5.678	117	653m	0.133	ug/l	
39) Methylcyclohexane	7.379	83	946	0.154	ug/l #	75
40) Benzene	6.037	78	1800	0.128	ug/l #	89

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Quant Time: Feb 23 03:20:33 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
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Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	630m	0.212	ug/l	
42) 1,2-Dichloroethane	6.086	62	895	0.180	ug/l	79
43) Isopropyl Acetate	6.354	43	1786m	0.190	ug/l	
44) Trichloroethene	7.135	130	465	0.128	ug/l	63
45) 1,2-Dichloropropane	7.421	63	523	0.139	ug/l #	44
46) Dibromomethane	7.586	93	353	0.143	ug/l #	81
47) Bromodichloromethane	7.818	83	676	0.133	ug/l #	69
48) Methyl methacrylate	7.708	41	1140m	0.256	ug/l	
49) 1,4-Dioxane	7.726	88	177	1.991	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	3151	0.610	ug/l	95
52) Toluene	8.714	92	1185	0.139	ug/l	95
53) t-1,3-Dichloropropene	8.988	75	680	0.116	ug/l #	85
54) cis-1,3-Dichloropropene	8.372	75	684	0.109	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	367	0.106	ug/l #	61
56) Ethyl methacrylate	9.128	69	801	0.137	ug/l #	75
57) 1,3-Dichloropropane	9.317	76	672	0.112	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.250	63	2469	0.976	ug/l #	86
59) 2-Hexanone	9.445	43	2085	0.530	ug/l	99
60) Dibromochloromethane	9.518	129	483	0.127	ug/l	80
61) 1,2-Dibromoethane	9.616	107	432	0.118	ug/l	81
64) Tetrachloroethene	9.268	164	404	0.133	ug/l #	64
65) Chlorobenzene	10.079	112	1503	0.168	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.159	131	418	0.120	ug/l #	66
67) Ethyl Benzene	10.195	91	2368	0.147	ug/l	97
68) m/p-Xylenes	10.305	106	1670	0.271	ug/l	92
69) o-Xylene	10.646	106	753	0.123	ug/l	63
70) Styrene	10.665	104	1460	0.146	ug/l	96
71) Bromoform	10.805	173	262	0.092	ug/l #	29
73) Isopropylbenzene	10.963	105	2250	0.147	ug/l	95
74) N-amyl acetate	10.854	43	1286	0.167	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	11.213	83	776	0.148	ug/l #	91
76) 1,2,3-Trichloropropane	11.238	75	671m	0.133	ug/l	
77) Bromobenzene	11.195	156	537	0.146	ug/l	69
78) n-propylbenzene	11.305	91	2194	0.123	ug/l	94
79) 2-Chlorotoluene	11.366	91	1644	0.151	ug/l	89
80) 1,3,5-Trimethylbenzene	11.457	105	1534	0.119	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	74m	0.038	ug/l	
82) 4-Chlorotoluene	11.463	91	1744	0.140	ug/l	97
83) tert-Butylbenzene	11.713	119	1629	0.124	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	1676	0.129	ug/l	99
85) sec-Butylbenzene	11.890	105	2269	0.142	ug/l	99
86) p-Isopropyltoluene	12.012	119	1810	0.137	ug/l #	59
87) 1,3-Dichlorobenzene	11.975	146	950	0.137	ug/l	91
88) 1,4-Dichlorobenzene	12.042	146	1170m	0.168	ug/l	
89) n-Butylbenzene	12.335	91	1526	0.129	ug/l	96
90) Hexachloroethane	12.542	117	319	0.115	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	895	0.132	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.951	75	103	0.082	ug/l	54
93) 1,2,4-Trichlorobenzene	13.591	180	549	0.126	ug/l	76
94) Hexachlorobutadiene	13.731	225	182	0.101	ug/l	84
95) Naphthalene	13.780	128	5183	0.354	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	627	0.145	ug/l	96

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ClientSampleId :
MDL-WATER-03-QT1-2023

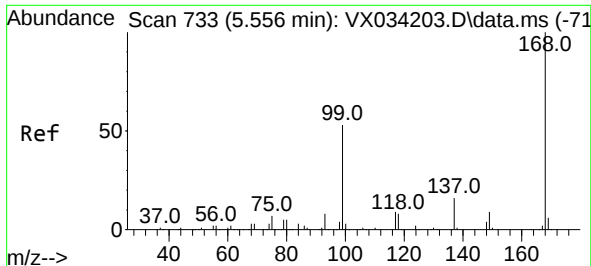
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 03:20:33 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

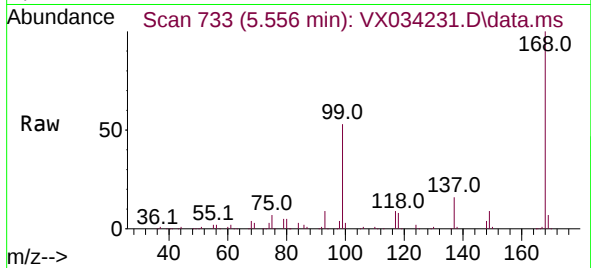
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

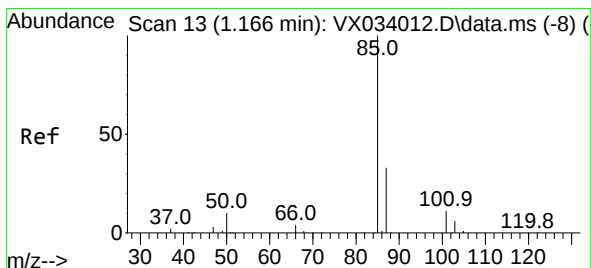
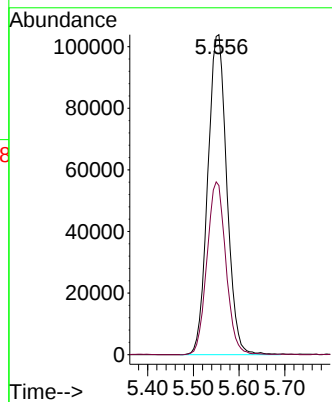
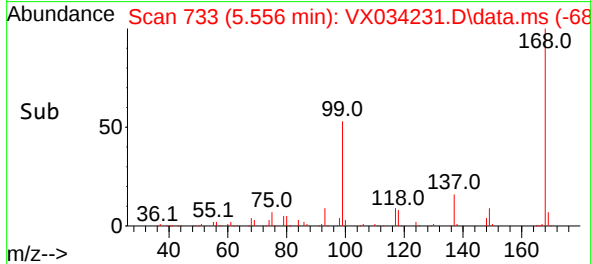
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



Tgt Ion:168 Resp: 30046
Ion Ratio Lower Upper
168 100
99 52.8 39.6 59.4

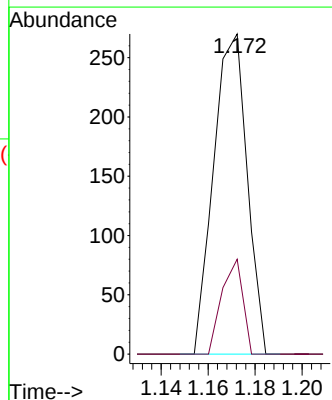
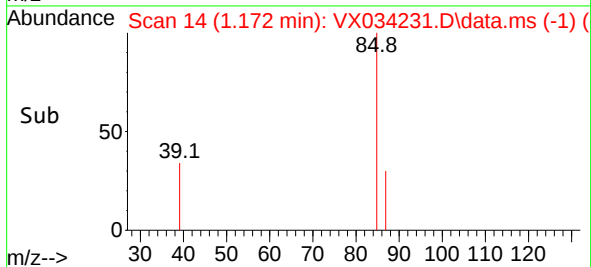
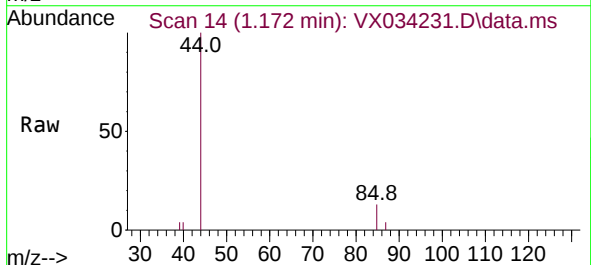
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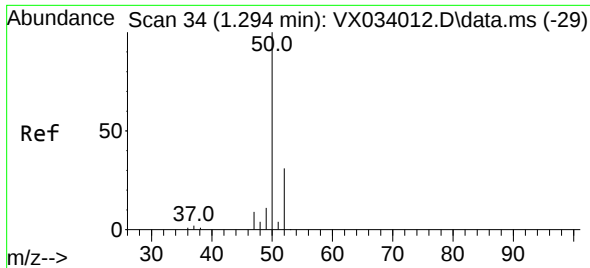
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.103 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

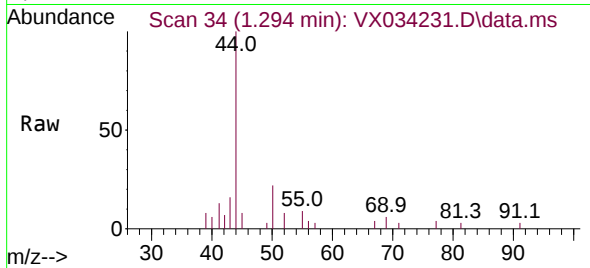
Tgt Ion: 85 Resp: 268
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.4





#3
Chloromethane
Concen: 0.195 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

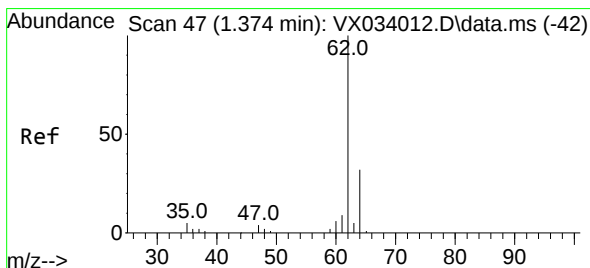
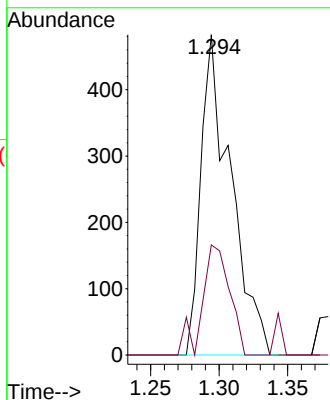
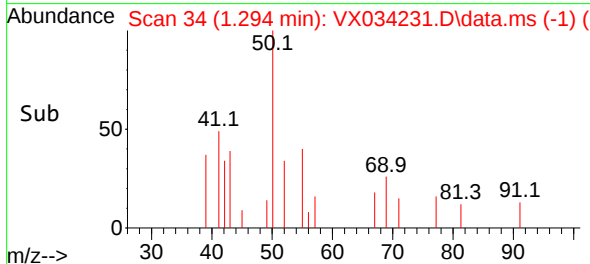
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2023



Tgt Ion: 50 Resp: 730
Ion Ratio Lower Upper
50 100
52 34.4 25.2 37.8

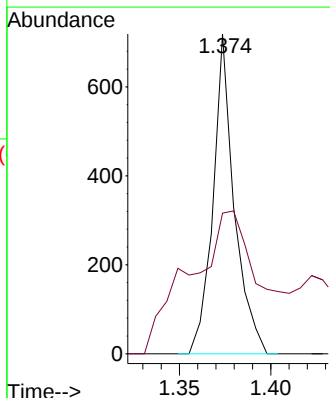
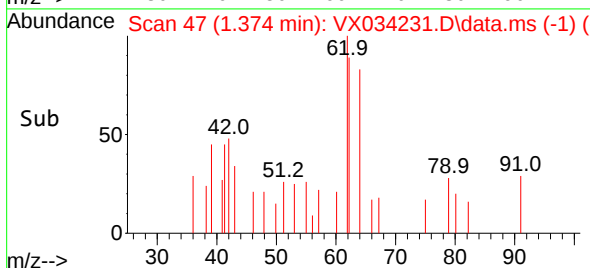
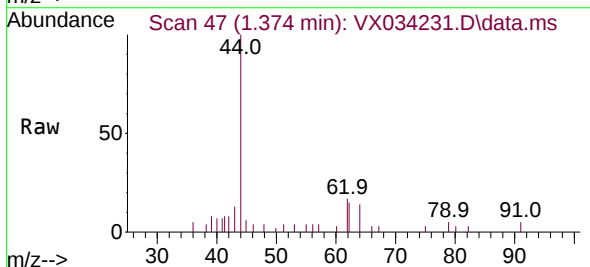
Manual Integrations
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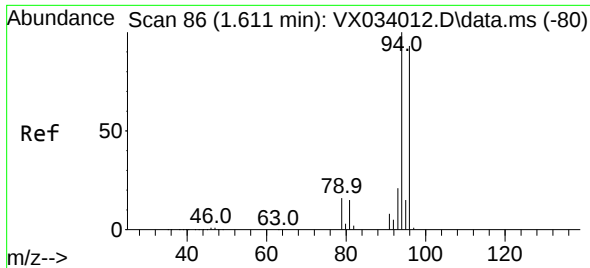
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Vinyl Chloride
Concen: 0.170 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

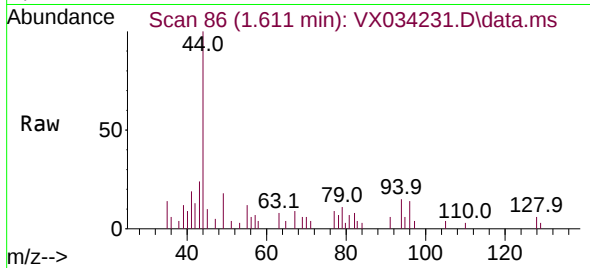
Tgt Ion: 62 Resp: 580
Ion Ratio Lower Upper
62 100
64 24.5 26.2 39.4#





#5
Bromomethane
Concen: 0.338 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

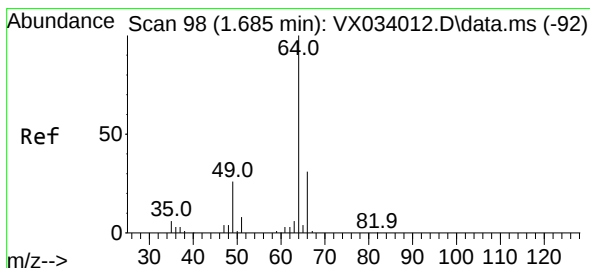
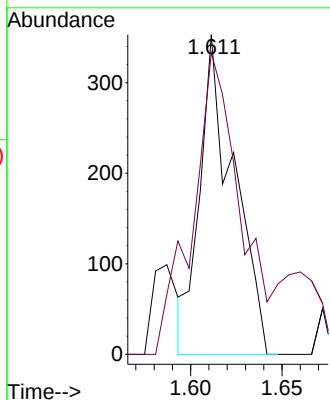
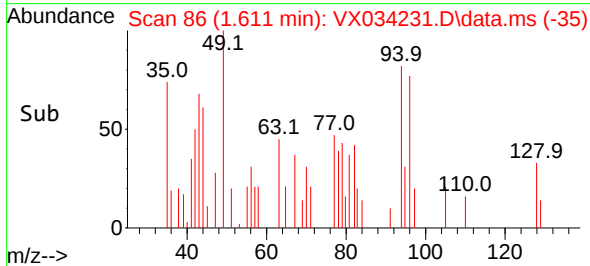
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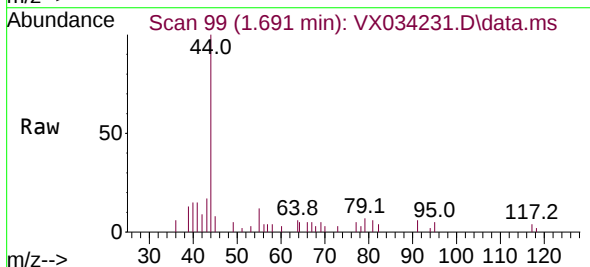
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 72.2 74.3 111.5

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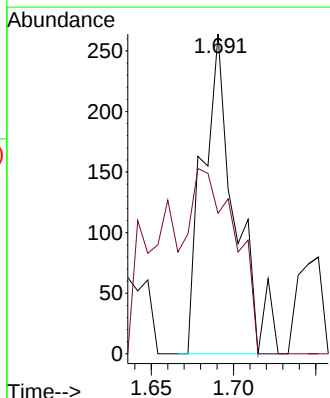
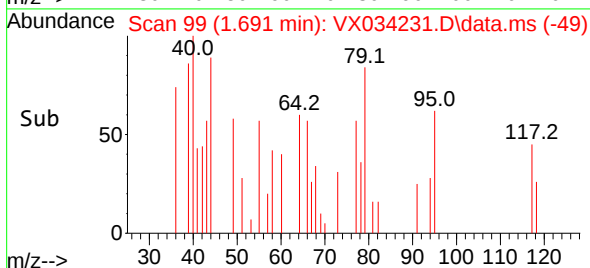
Reviewed By :John Carlone 02/23/2023
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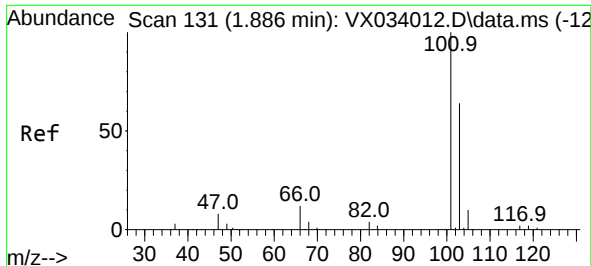


#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



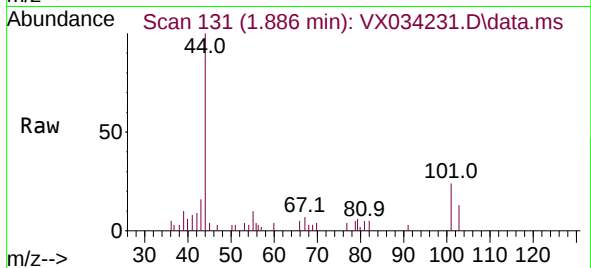
Tgt Ion: 64 Resp: 359
Ion Ratio Lower Upper
64 100
66 43.9 26.1 39.1





#7
Trichlorofluoromethane
Concen: 0.172 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

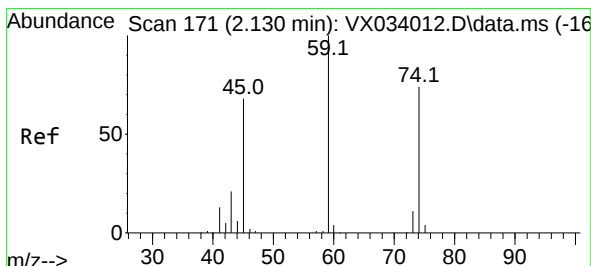
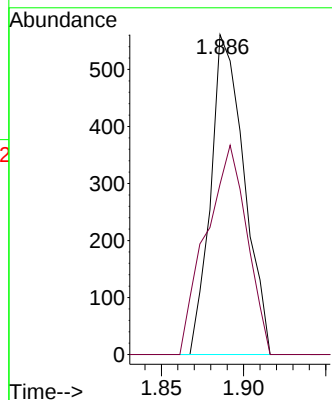
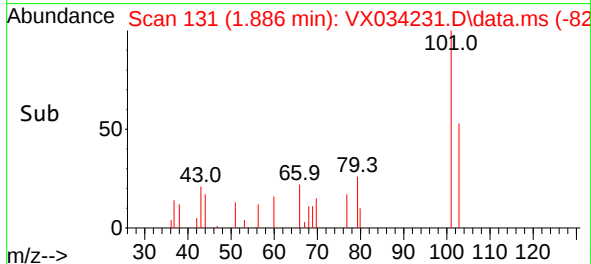
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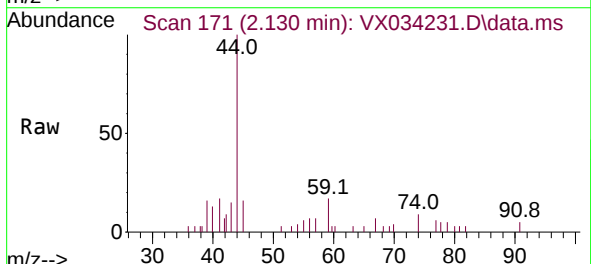
Tgt Ion:101 Resp: 794
Ion Ratio Lower Upper
101 100
103 53.3 50.6 75.8

Manual Integrations
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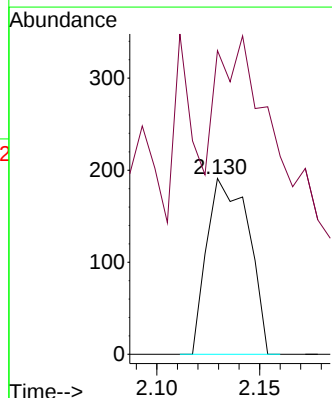
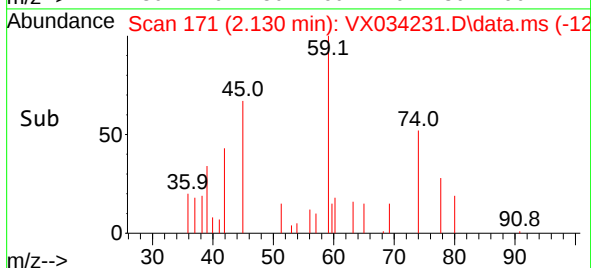
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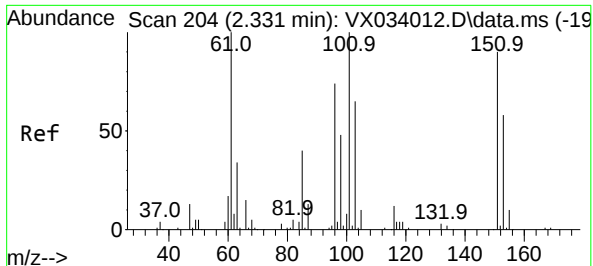


#8
Diethyl Ether
Concen: 0.146 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



Tgt Ion: 74 Resp: 270
Ion Ratio Lower Upper
74 100
45 204.1 51.5 154.5#





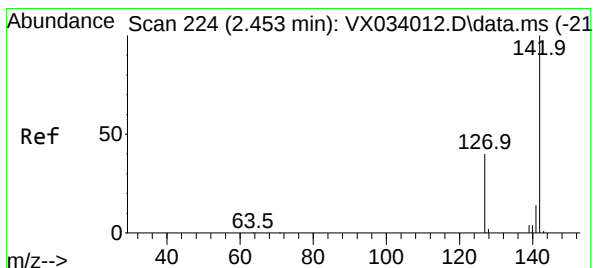
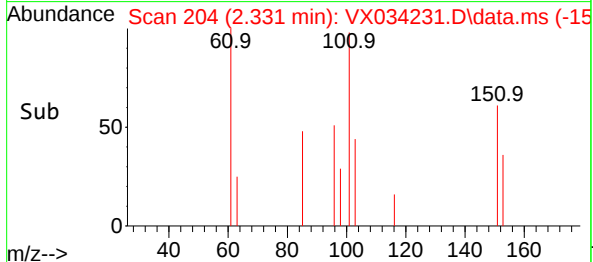
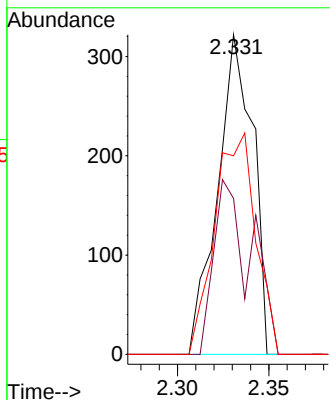
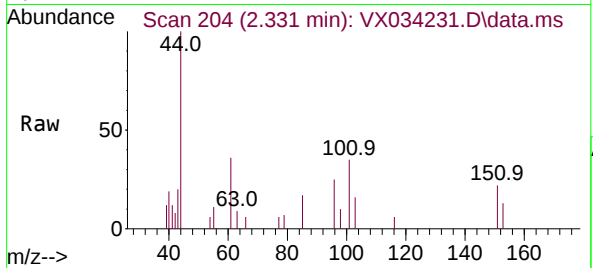
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.134 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion:101 Resp: 438
Ion Ratio Lower Upper
101 100
85 57.5 36.7 55.1
151 80.6 66.5 99.7

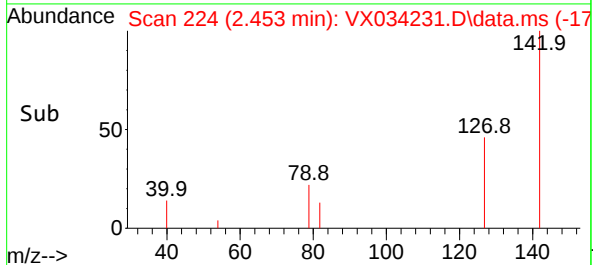
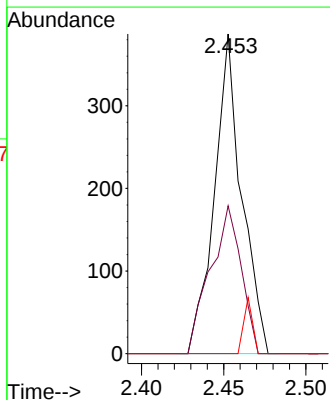
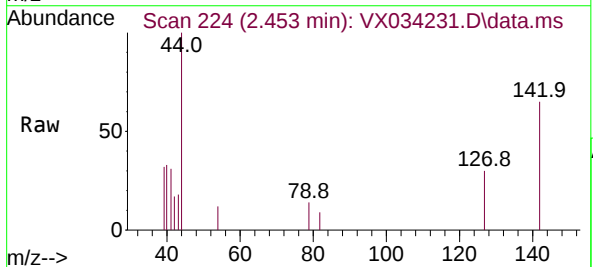
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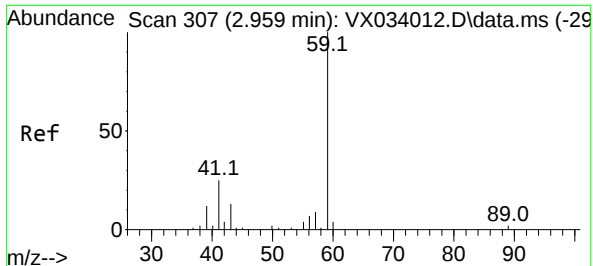
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#10
Methyl Iodide
Concen: 0.113 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion:142 Resp: 446
Ion Ratio Lower Upper
142 100
127 52.5 37.3 55.9
141 5.6 11.5 17.3#





#11

Tert butyl alcohol

Concen: 3.988 ug/l

RT: 2.953 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX034231.D

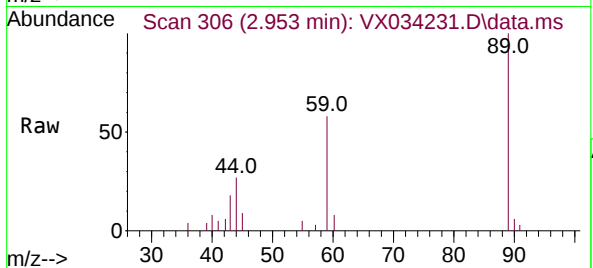
Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023



Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

59 100

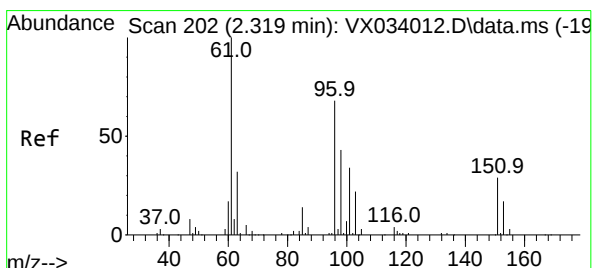
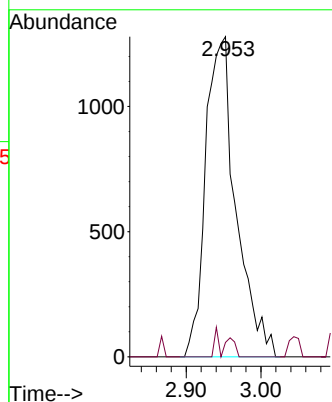
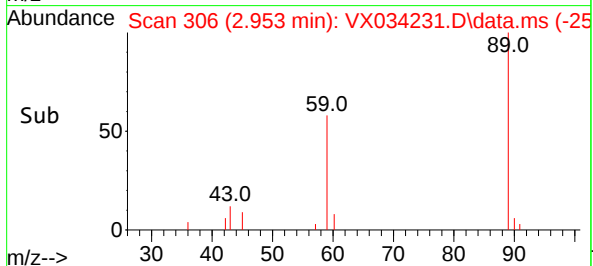
57 1.9 3.7 5.5

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#12

1,1-Dichloroethene

Concen: 0.133 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

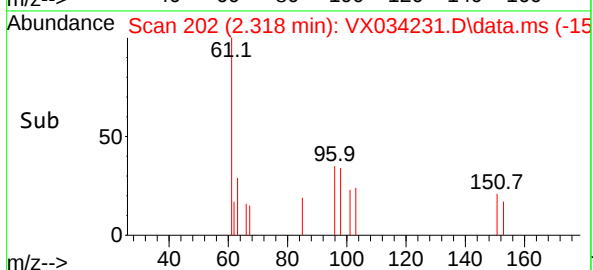
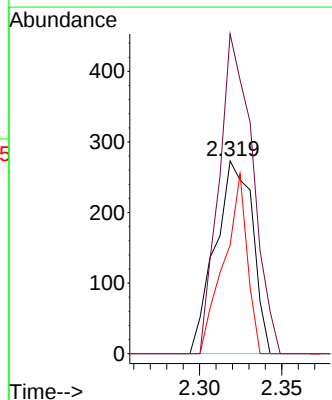
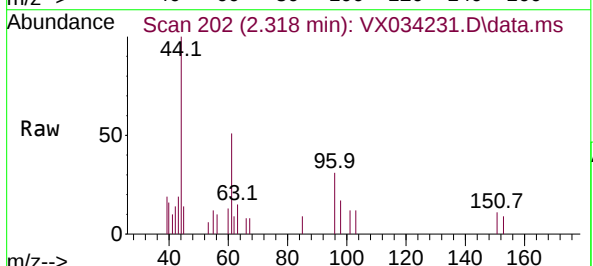
Tgt Ion: 96 Resp: 431

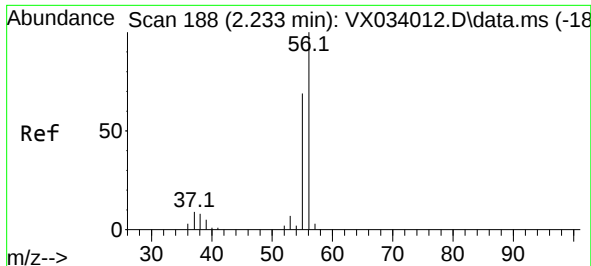
Ion Ratio Lower Upper

96 100

61 165.9 134.2 201.4

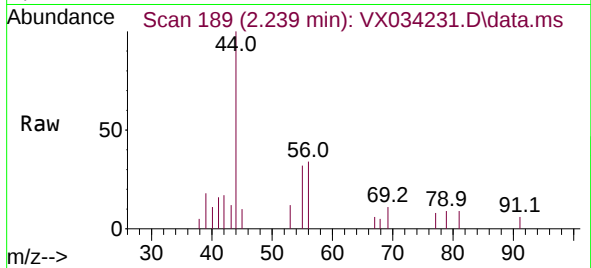
98 56.4 50.2 75.2





#13
Acrolein
Concen: 1.326 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

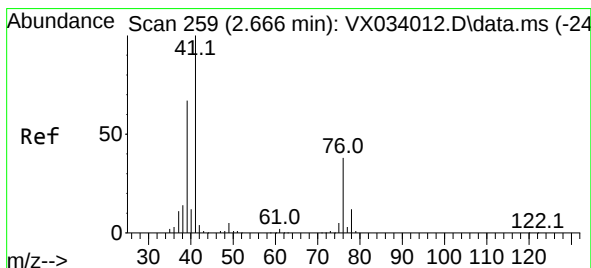
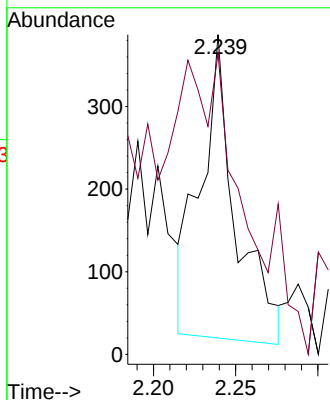
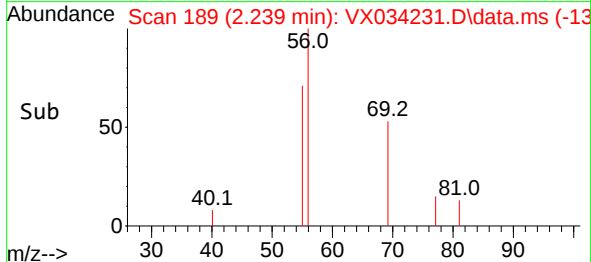
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 56 Resp: 548
Ion Ratio Lower Upper
56 100
55 196.9 56.3 84.5

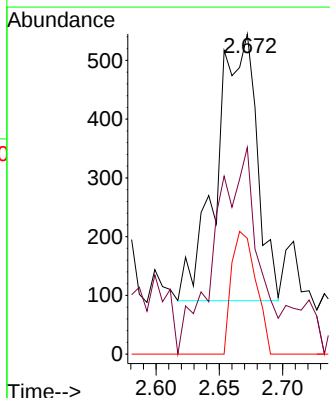
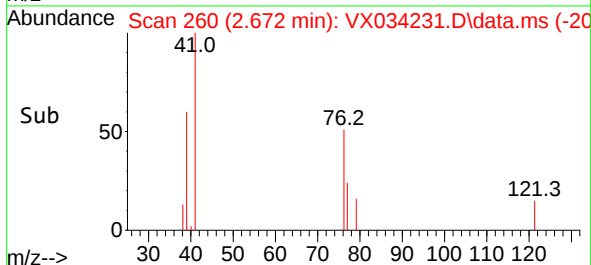
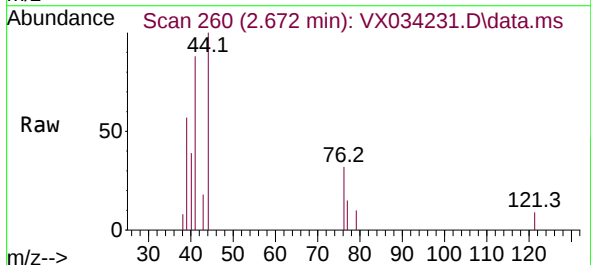
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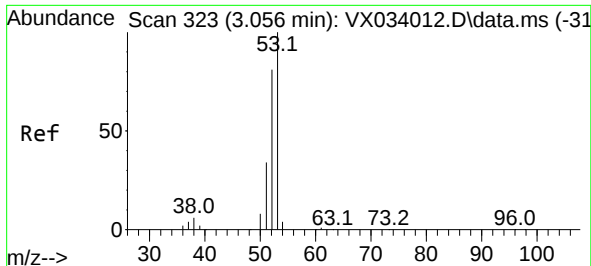
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#14
Allyl chloride
Concen: 0.146 ug/l
RT: 2.672 min Scan# 260
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 41 Resp: 1006
Ion Ratio Lower Upper
41 100
39 82.1 59.0 88.4
76 27.9 24.6 37.0





#15

Acrylonitrile

Concen: 0.724 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 53 Resp: 1430

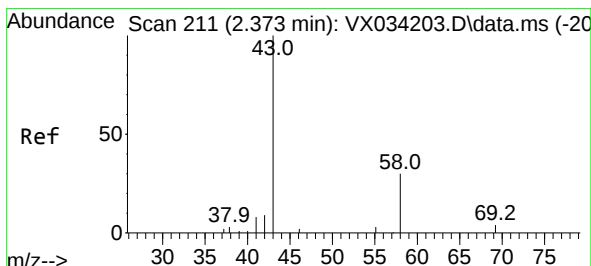
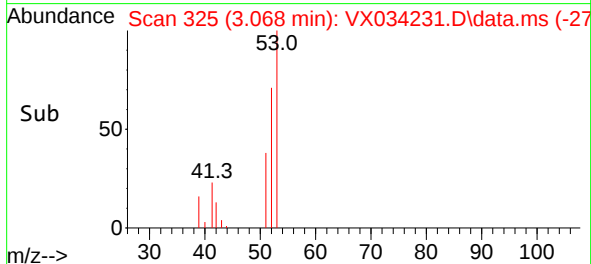
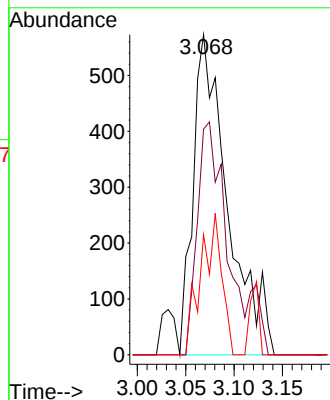
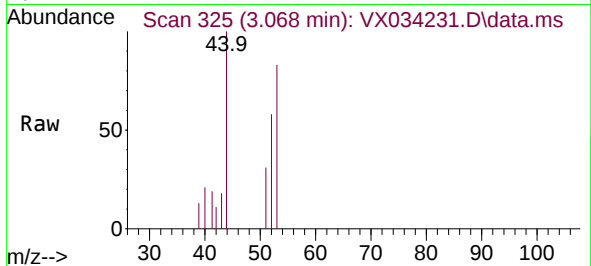
Ion	Ratio	Lower	Upper
53	100		
52	59.4	65.7	98.5
51	26.7	29.0	43.4

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#16

Acetone

Concen: 0.997 ug/l

RT: 2.379 min Scan# 212

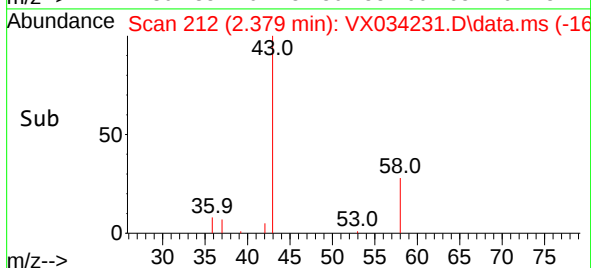
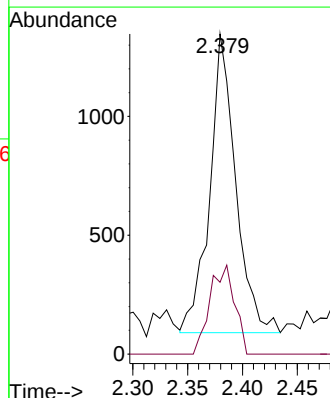
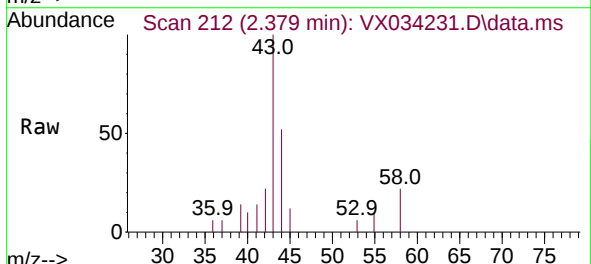
Delta R.T. 0.006 min

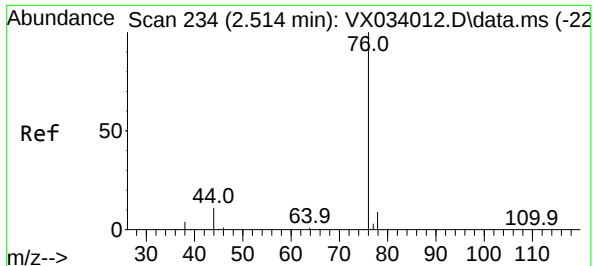
Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion: 43 Resp: 2081

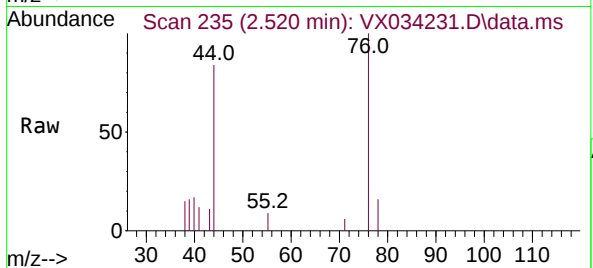
Ion	Ratio	Lower	Upper
43	100		
58	24.0	22.6	33.8





#17
Carbon Disulfide
Concen: 0.159 ug/l
RT: 2.520 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

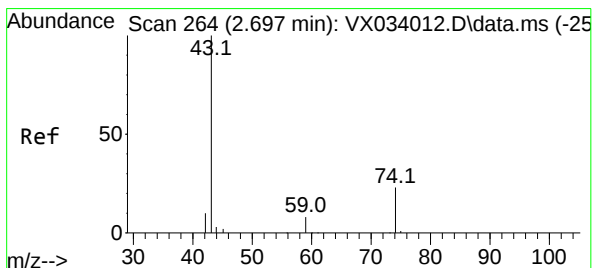
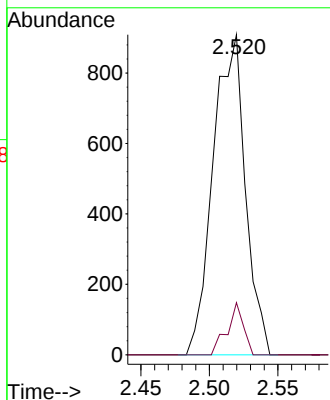
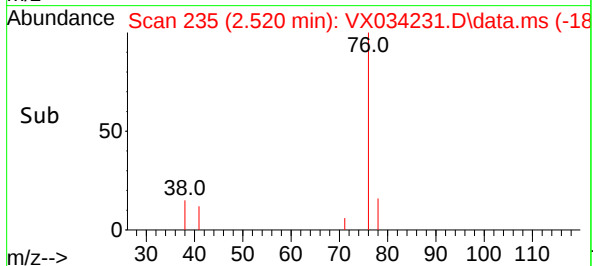
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 76 Resp: 148
Ion Ratio Lower Upper
76 100
78 16.3 7.0 10.6

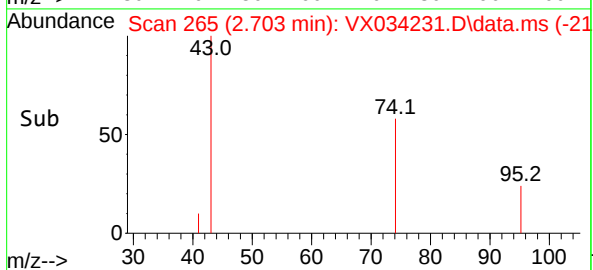
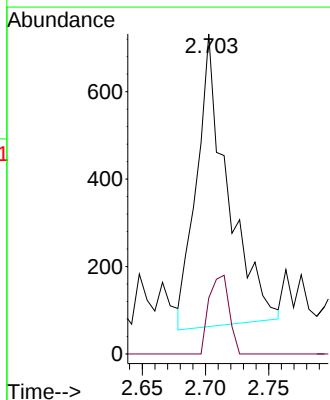
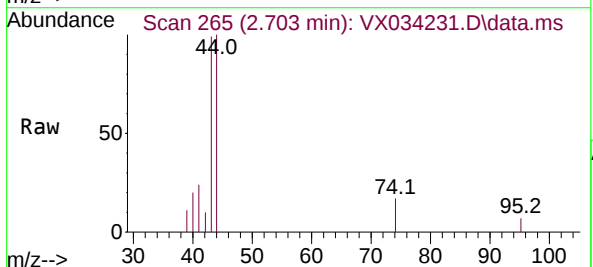
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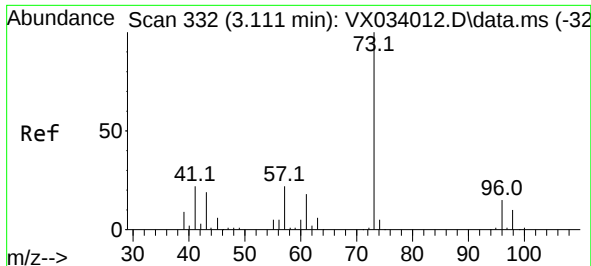
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#18
Methyl Acetate
Concen: 0.177 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
74 17.3 18.2 27.4#





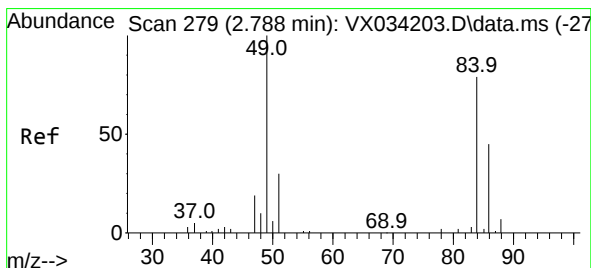
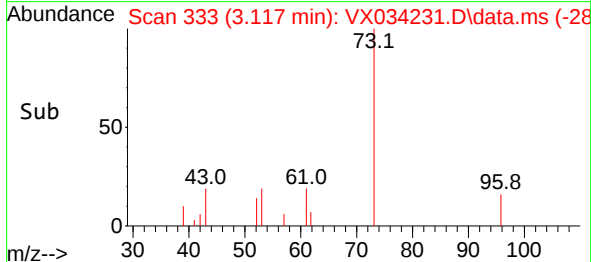
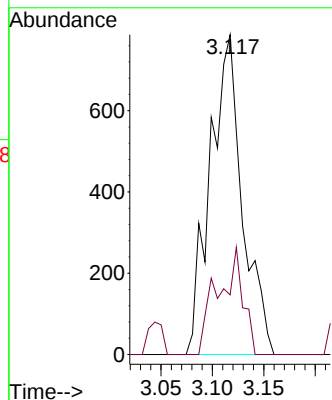
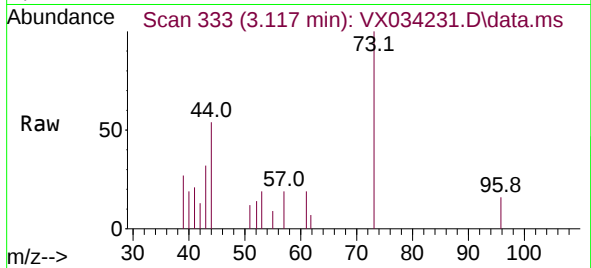
#19
Methyl tert-butyl Ether
Concen: 0.150 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion: 73 Resp: 1720
Ion Ratio Lower Upper
73 100
57 18.7 17.4 26.0

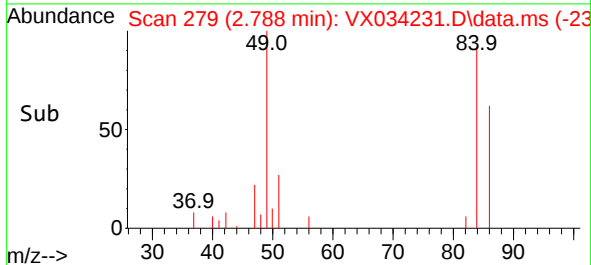
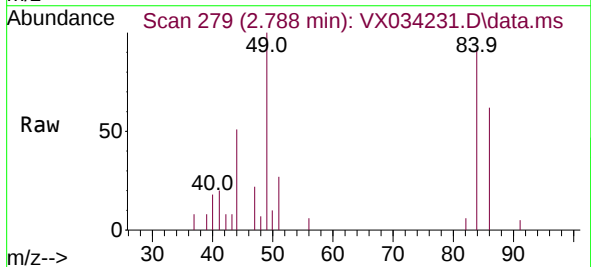
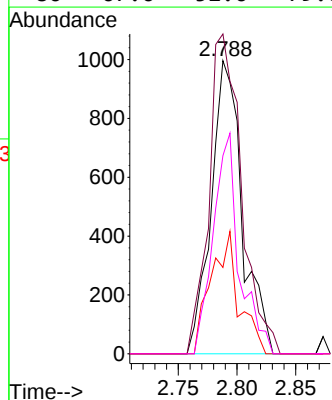
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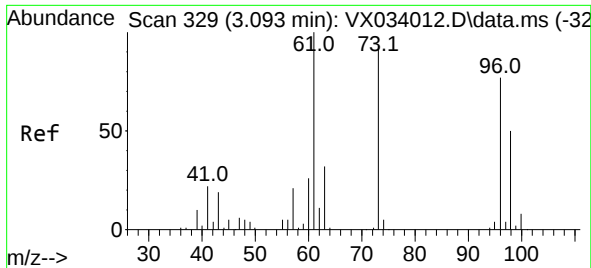
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#20
Methylene Chloride
Concen: 0.486 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

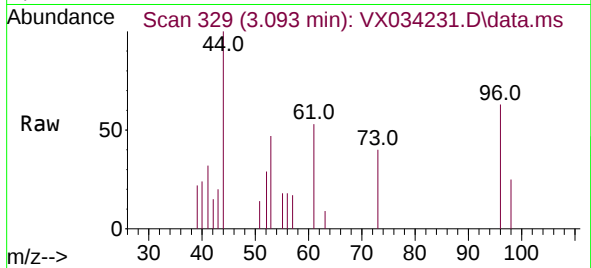
Tgt Ion: 84 Resp: 1829
Ion Ratio Lower Upper
84 100
49 109.1 101.1 151.7
51 29.5 31.0 46.6#
86 67.6 52.6 79.0





#21
trans-1,2-Dichloroethene
Concen: 0.184 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

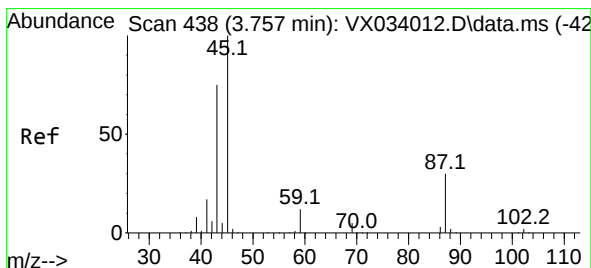
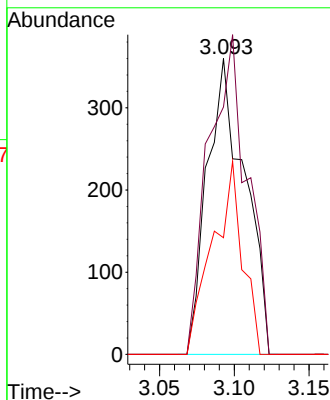
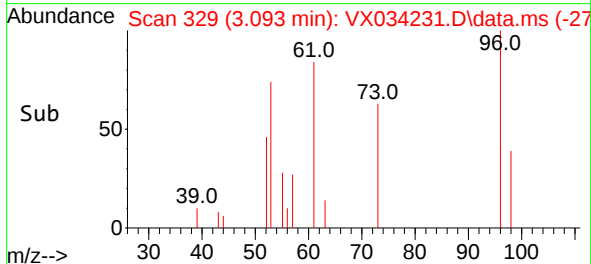
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



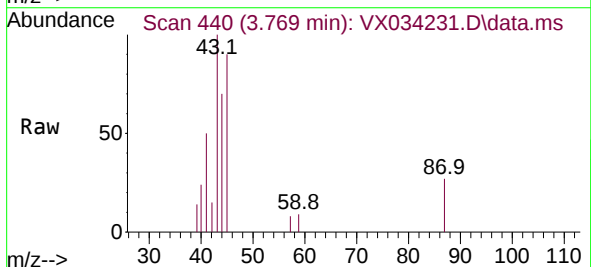
Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 83.6 106.7 160.1
98 39.4 50.0 75.0

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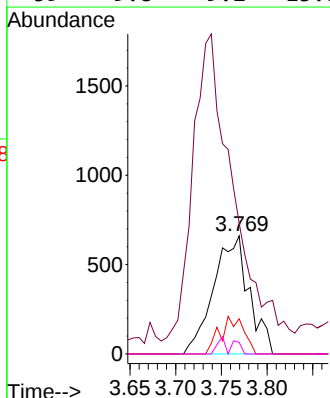
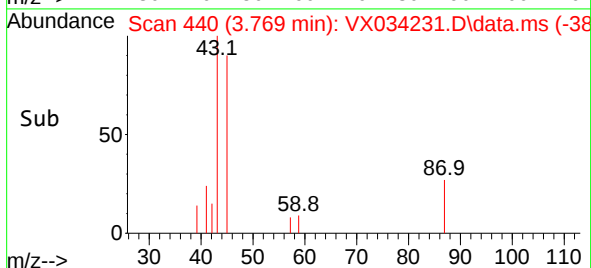
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#22
Diisopropyl ether
Concen: 0.148 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



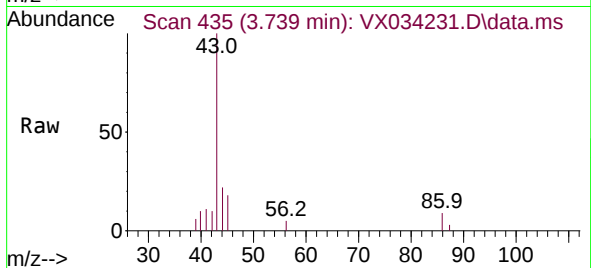
Tgt Ion: 45 Resp: 1784
Ion Ratio Lower Upper
45 100
43 86.5 64.6 97.0
87 29.8 21.9 32.9
59 9.8 9.2 13.8





#23
 Vinyl Acetate
 Concen: 0.542 ug/l
 RT: 3.739 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: VX034231.D
 Acq: 22 Feb 2023 16:09

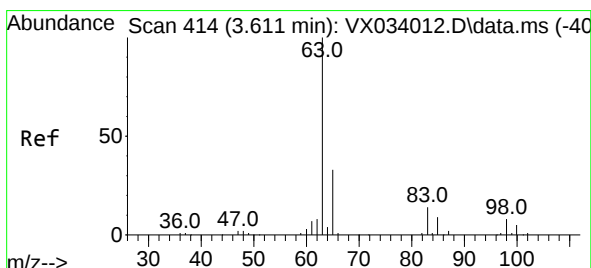
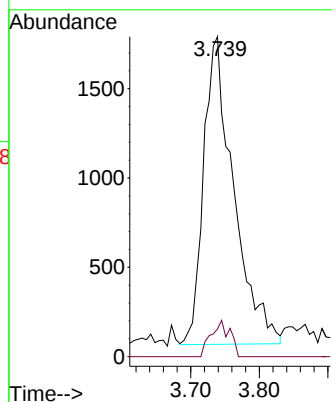
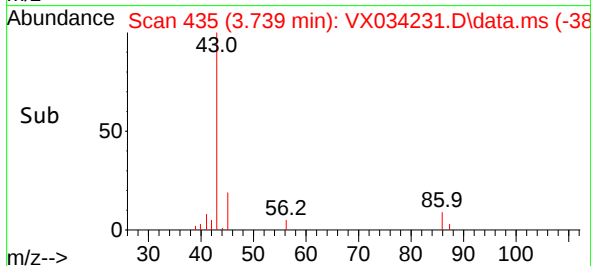
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 5250
 Ion Ratio Lower Upper
 43 100
 86 9.0 8.4 12.6

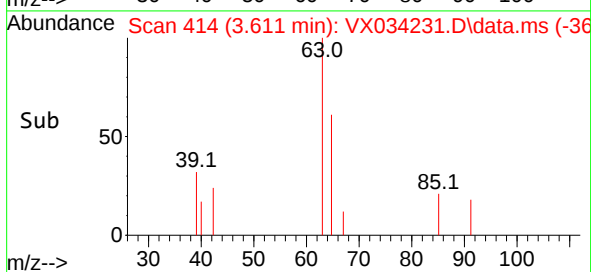
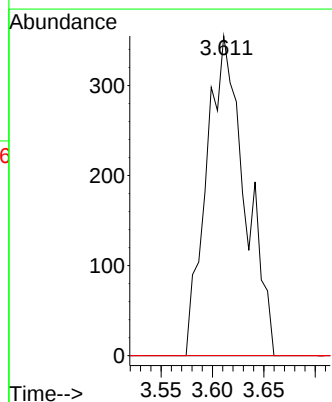
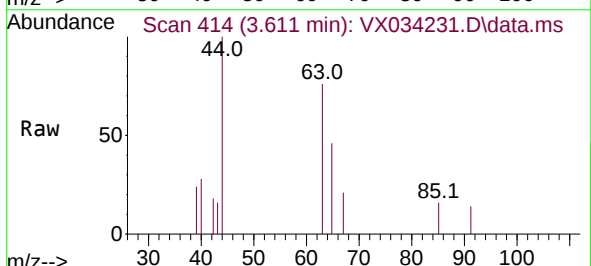
Manual Integrations
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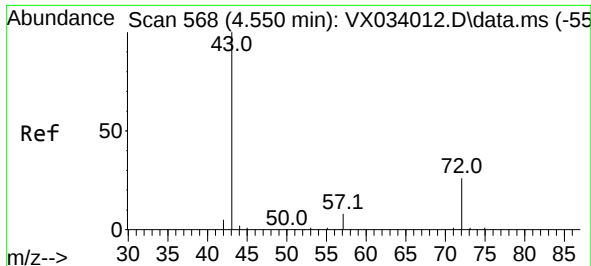
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#24
 1,1-Dichloroethane
 Concen: 0.140 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX034231.D
 Acq: 22 Feb 2023 16:09

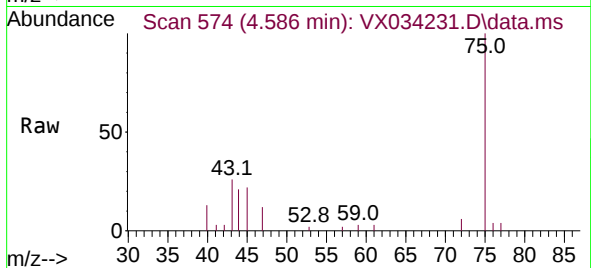
Tgt Ion: 63 Resp: 926
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.4 7.2#





#25
2-Butanone
Concen: 0.922 ug/l m
RT: 4.586 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

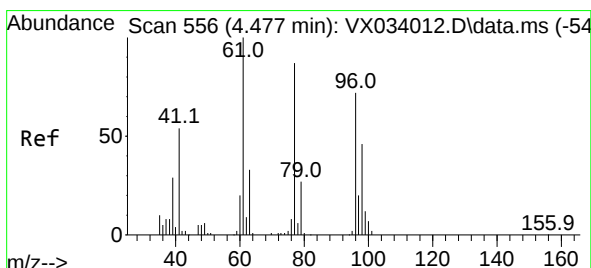
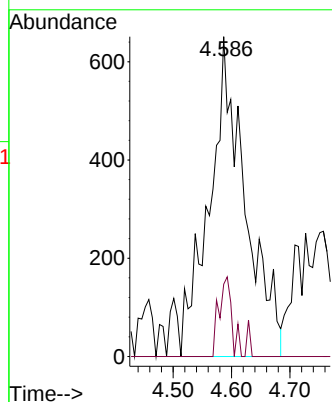
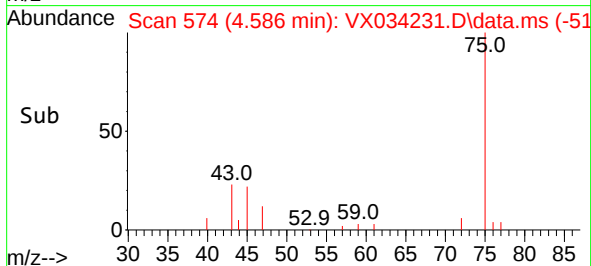
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
72 22.6 19.4 29.2

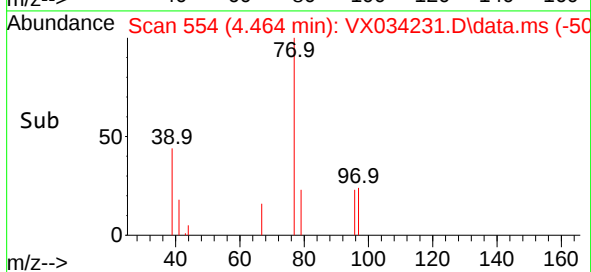
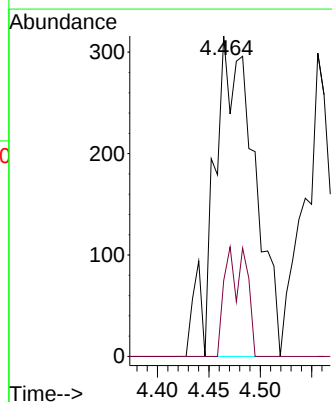
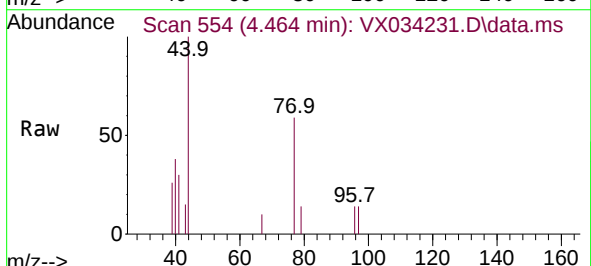
Manual Integrations
APPROVED

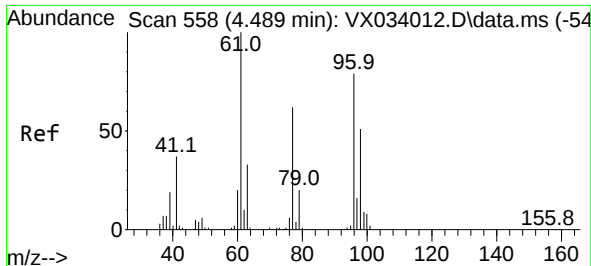
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
2,2-Dichloropropane
Concen: 0.144 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 77 Resp: 867
Ion Ratio Lower Upper
77 100
97 17.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.122 ug/l m

RT: 4.501 min Scan# 50

Delta R.T. 0.018 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

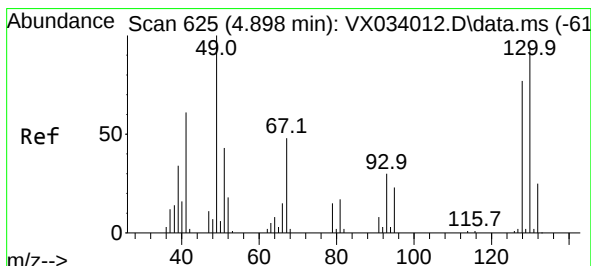
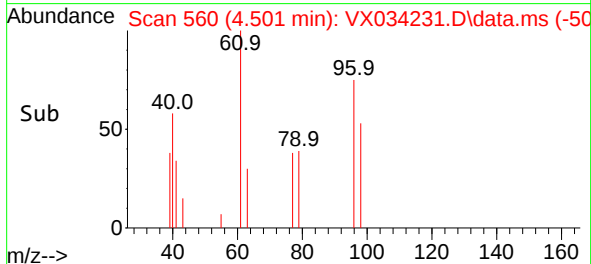
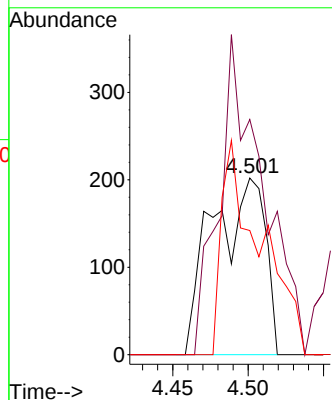
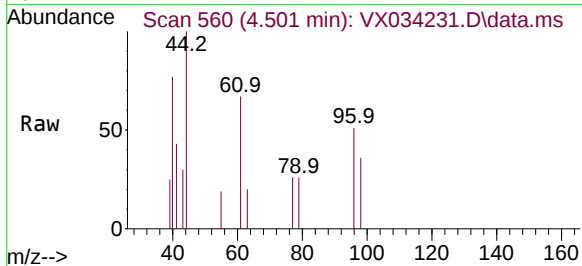
Tgt Ion:	96	Resp:	49
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	277.6
98	89.2	0.0	128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#28

Bromochloromethane

Concen: 0.101 ug/l m

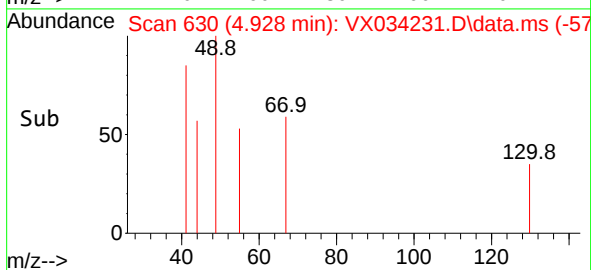
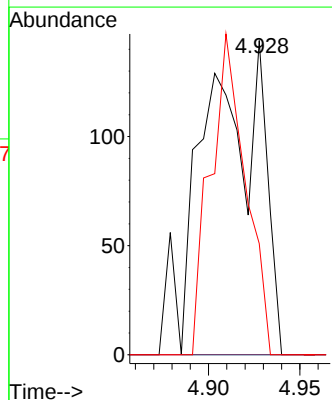
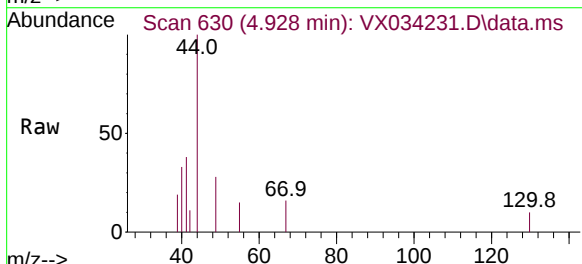
RT: 4.928 min Scan# 630

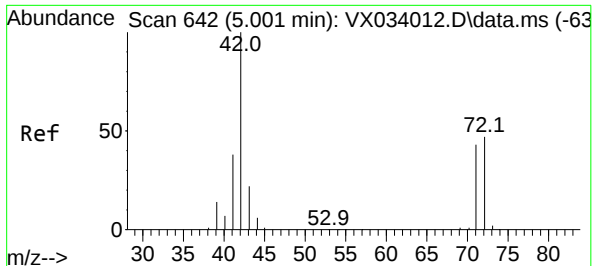
Delta R.T. 0.037 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:	49	Resp:	299
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	65.9	68.5	102.7#





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

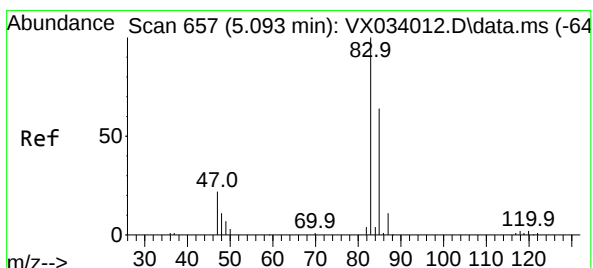
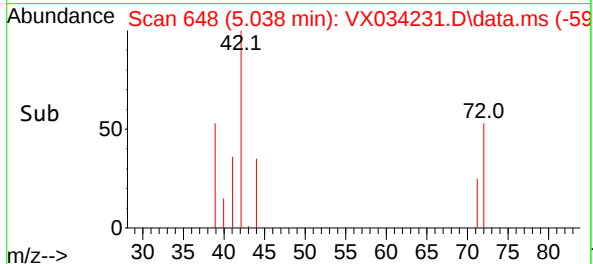
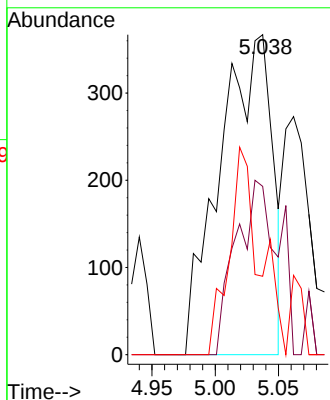
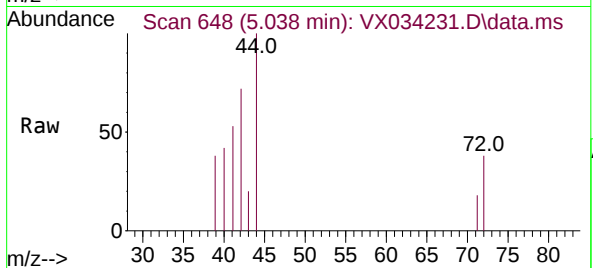
Tgt Ion: 42	Resp: 105
Ion Ratio	Lower Upper
42 100	
72 44.1	34.8 52.2
71 37.8	32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#30

Chloroform

Concen: 0.166 ug/l

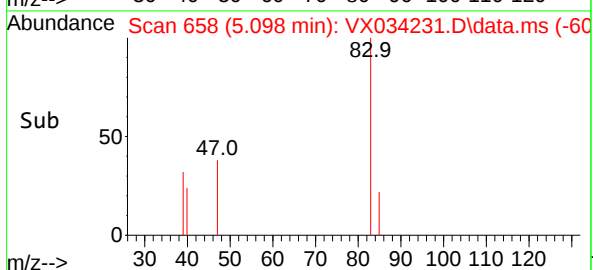
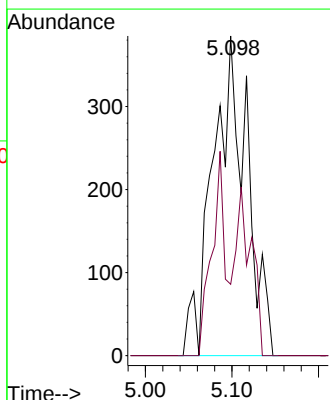
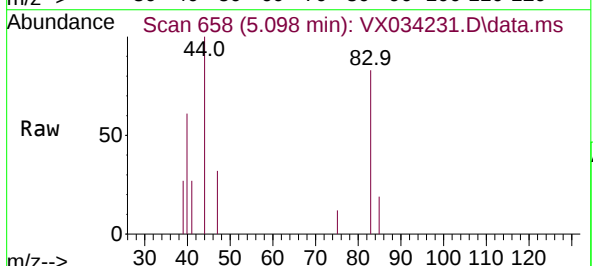
RT: 5.098 min Scan# 658

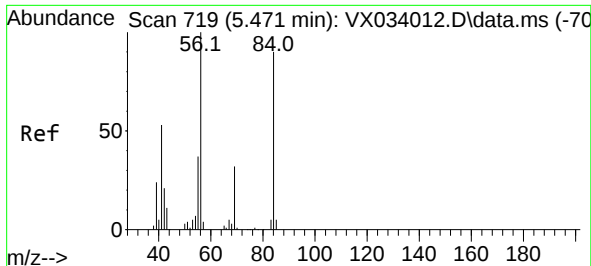
Delta R.T. 0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

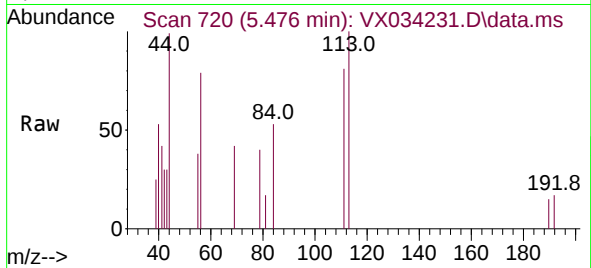
Tgt Ion: 83	Resp: 1055
Ion Ratio	Lower Upper
83 100	
85 22.3	52.1 78.1#





#31
Cyclohexane
Concen: 0.156 ug/l
RT: 5.476 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

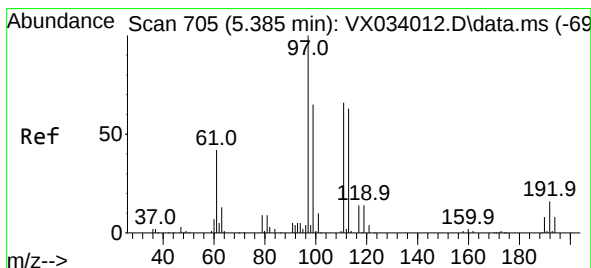
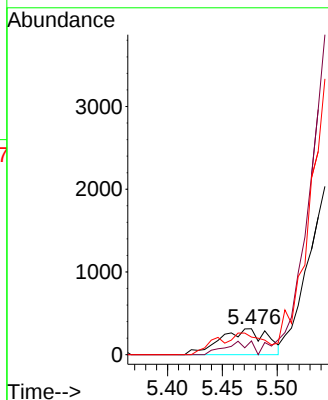
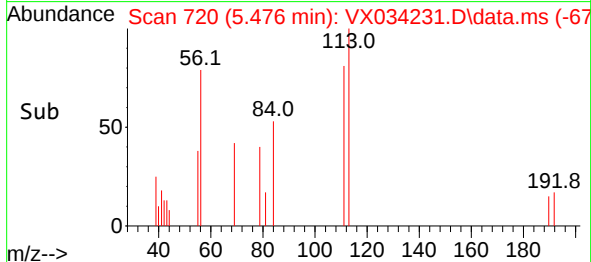
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 56 Resp: 940
Ion Ratio Lower Upper
56 100
69 52.9 24.6 37.0#
84 67.8 71.0 106.6#

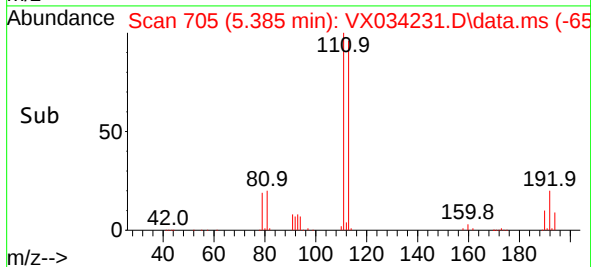
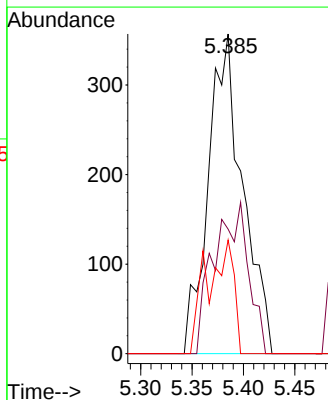
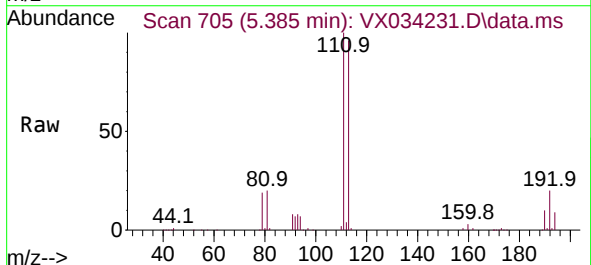
Manual Integrations
APPROVED

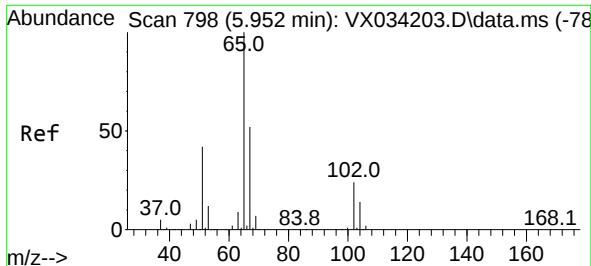
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#32
1,1,1-Trichloroethane
Concen: 0.146 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 97 Resp: 833
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 0.0 35.2 52.8#





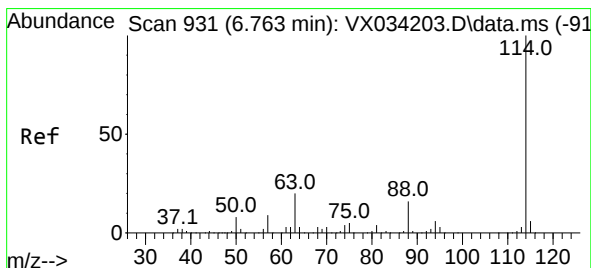
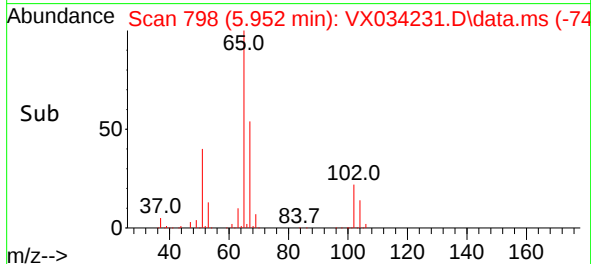
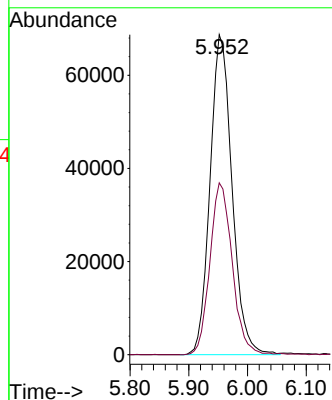
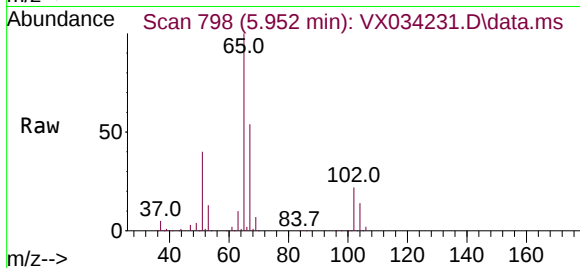
#33
1,2-Dichloroethane-d4
Concen: 44.180 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion: 65 Resp: 178778
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.8

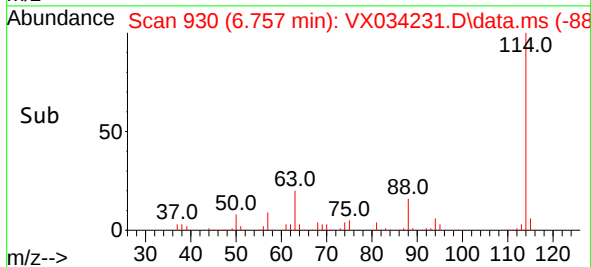
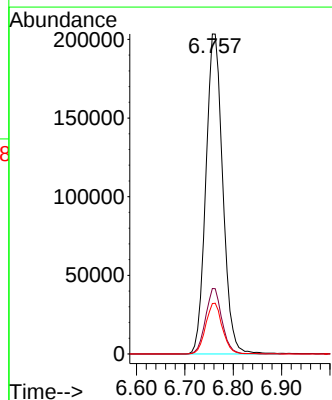
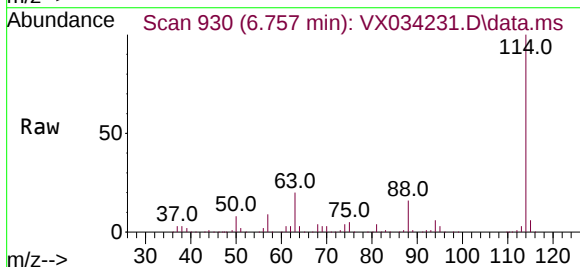
Manual Integrations
APPROVED

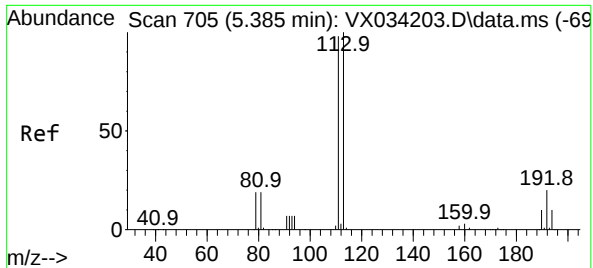
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

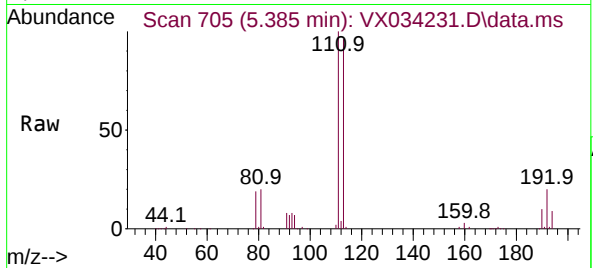
Tgt Ion:114 Resp: 494498
Ion Ratio Lower Upper
114 100
63 20.5 0.0 37.4
88 15.7 0.0 30.6





#35
Dibromofluoromethane
Concen: 47.667 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

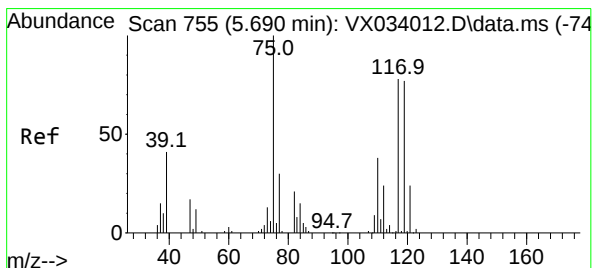
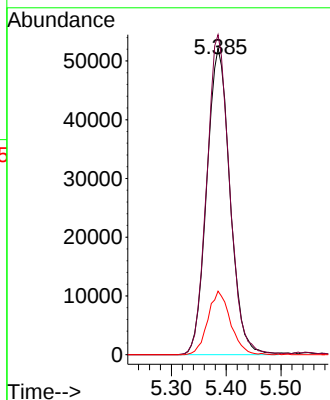
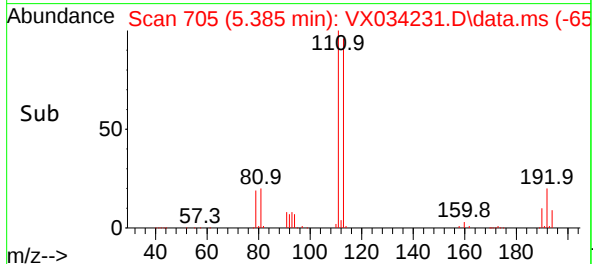
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:113 Resp: 153472
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 20.2 19.0 28.4

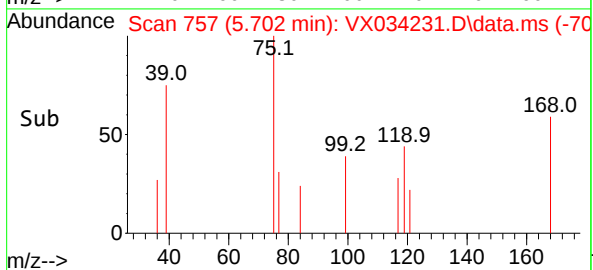
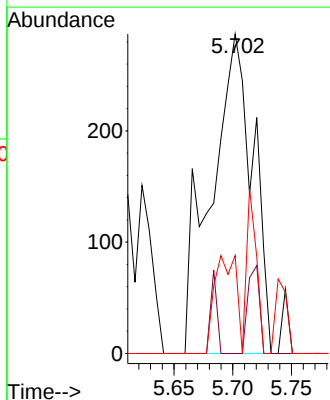
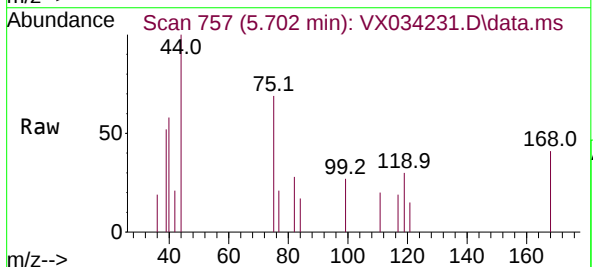
Manual Integrations
APPROVED

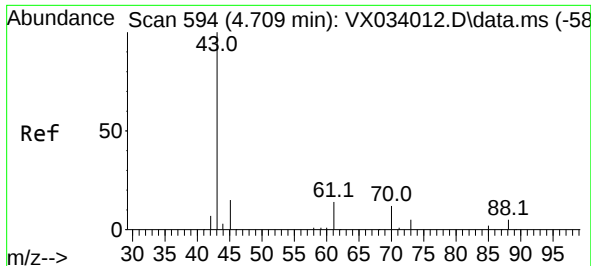
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#36
1,1-Dichloropropene
Concen: 0.150 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 75 Resp: 715
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 15.8 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.037 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 199

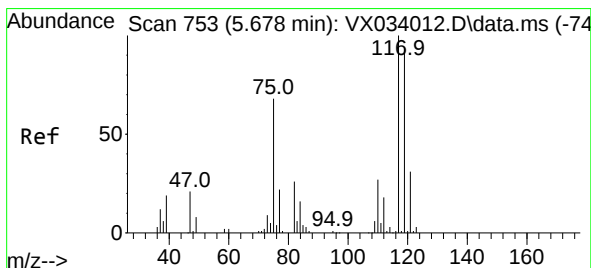
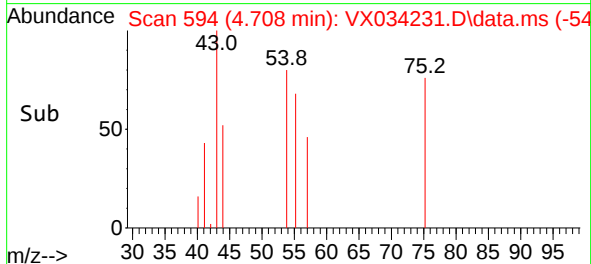
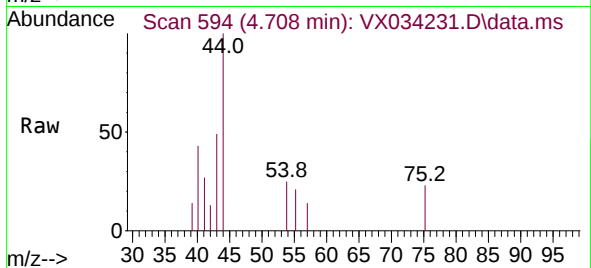
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7
70	0.0	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#38

Carbon Tetrachloride

Concen: 0.133 ug/l m

RT: 5.678 min Scan# 753

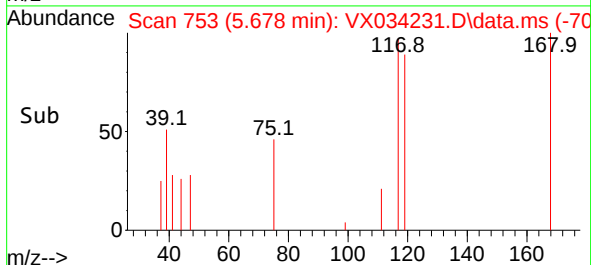
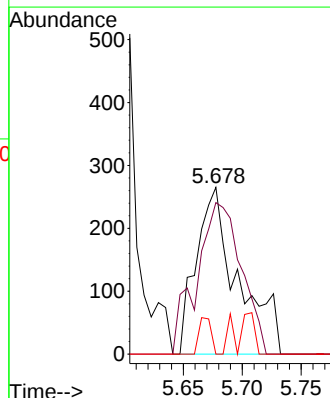
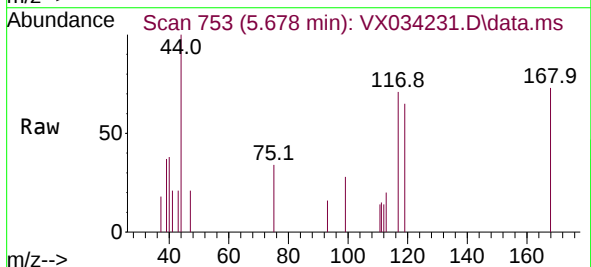
Delta R.T. 0.006 min

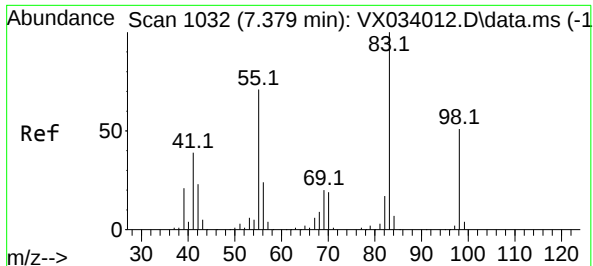
Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:117 Resp: 653

Ion	Ratio	Lower	Upper
117	100		
119	90.9	78.0	117.0
121	0.0	24.4	36.6





#39

Methylcyclohexane

Concen: 0.154 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

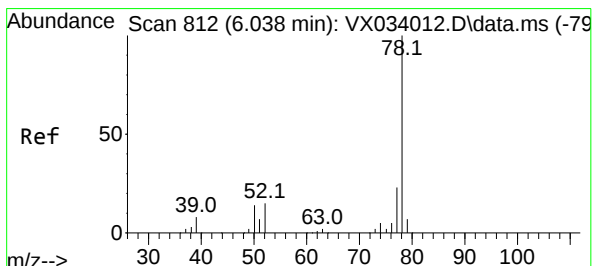
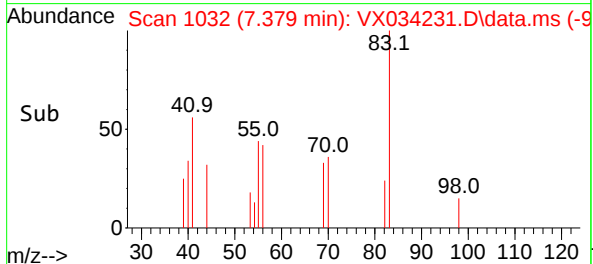
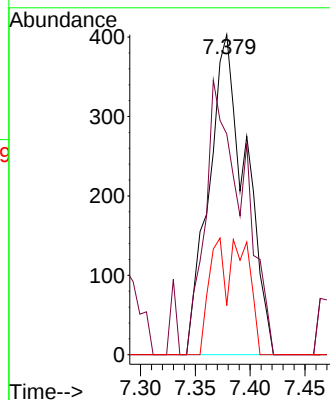
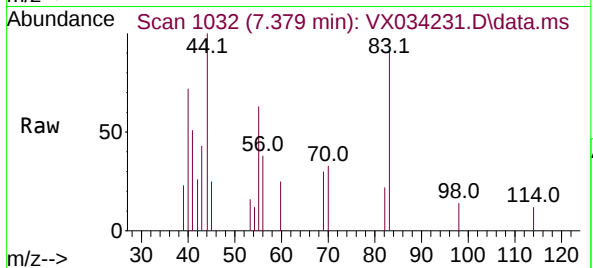
Tgt Ion: 83	Resp: 940
Ion Ratio	Lower Upper
83 100	
55 69.0	61.8 92.6
98 15.4	39.3 58.9

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#40

Benzene

Concen: 0.128 ug/l

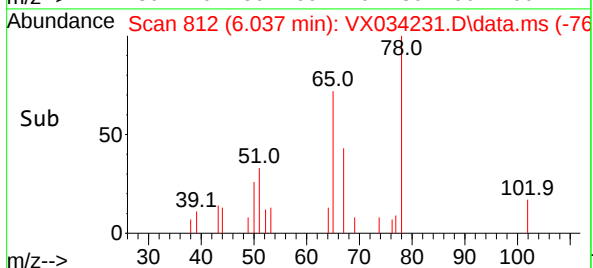
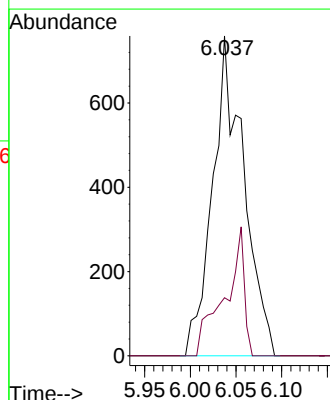
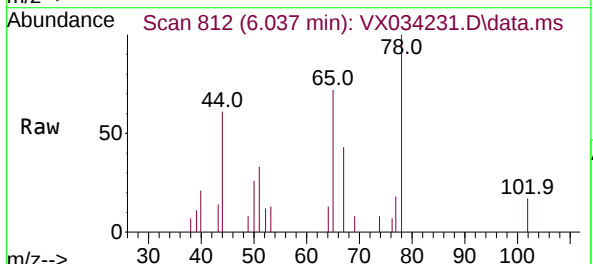
RT: 6.037 min Scan# 812

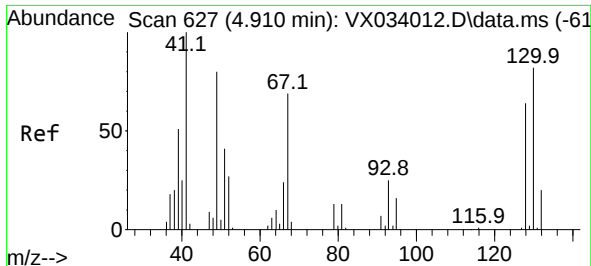
Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

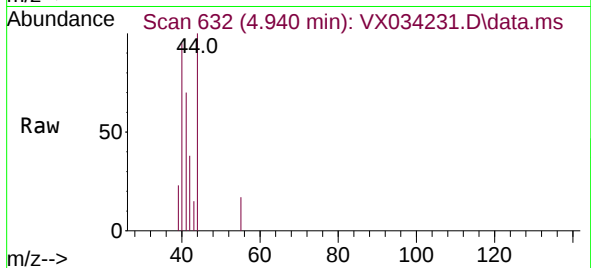
Tgt Ion: 78	Resp: 1800
Ion Ratio	Lower Upper
78 100	
77 18.2	19.0 28.4#





#41
Methacrylonitrile
Concen: 0.212 ug/l m
RT: 4.940 min Scan# 630
Delta R.T. 0.024 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

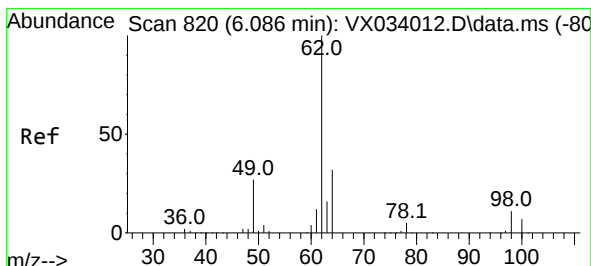
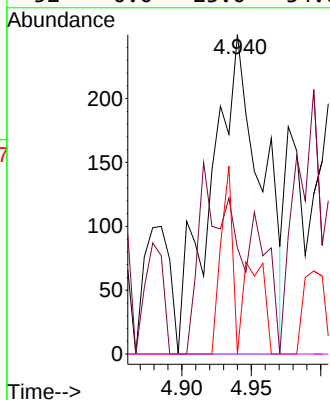
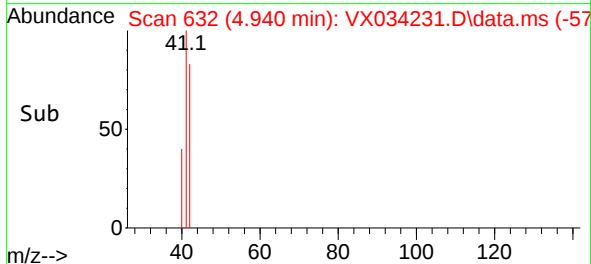
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



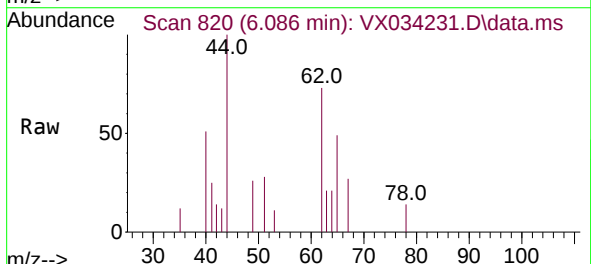
Tgt Ion: 41 Resp: 630
Ion Ratio Lower Upper
41 100
39 15.7 43.8 65.6
67 13.5 54.8 82.2
52 0.0 23.0 34.6

Manual Integrations
APPROVED

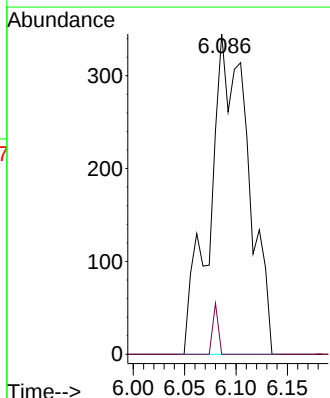
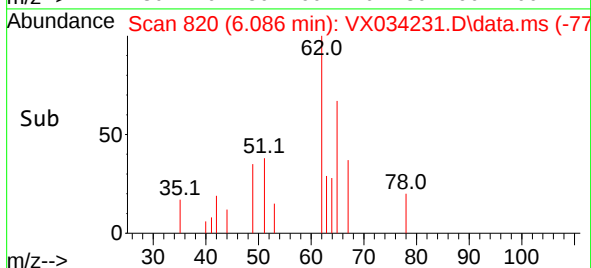
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

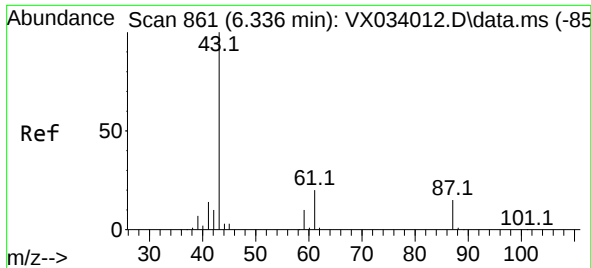


#42
1,2-Dichloroethane
Concen: 0.180 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



Tgt Ion: 62 Resp: 895
Ion Ratio Lower Upper
62 100
98 2.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 0.190 ug/l m

RT: 6.354 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

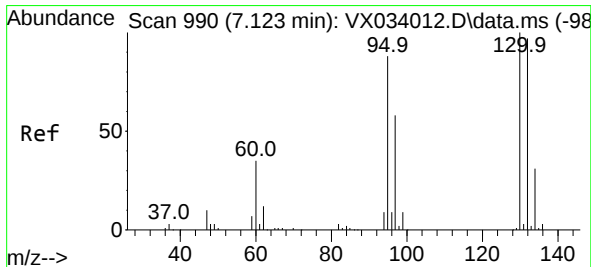
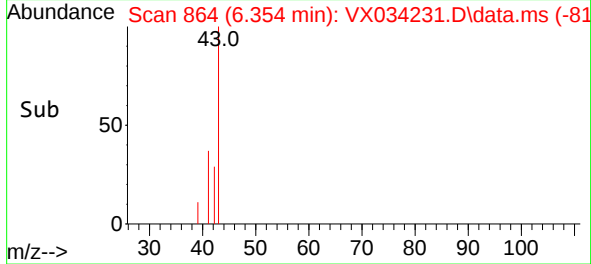
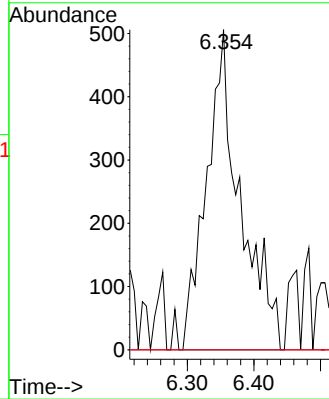
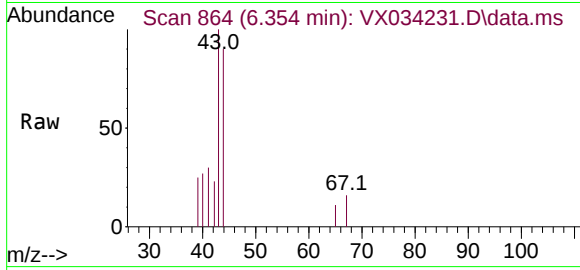
Tgt Ion: 43	Resp: 178
Ion Ratio	Lower Upper
43 100	
61 0.0	15.7 23.5
87 0.0	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#44

Trichloroethene

Concen: 0.128 ug/l

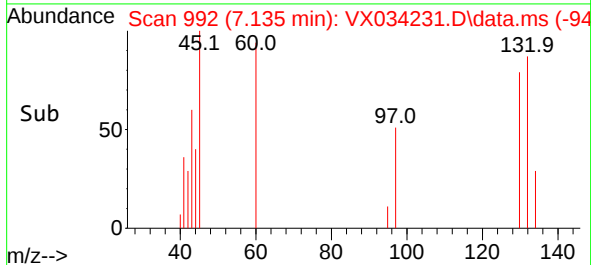
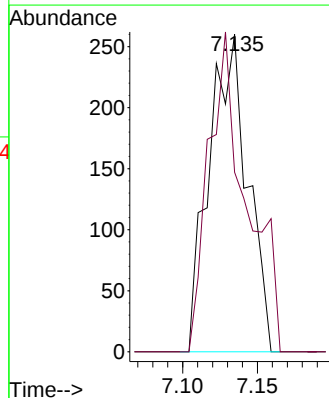
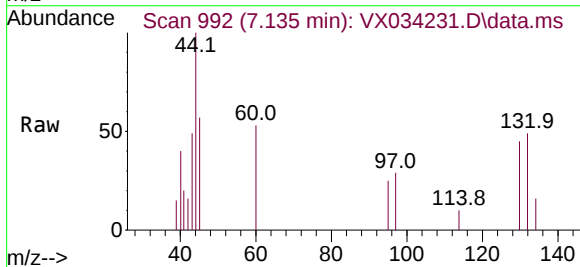
RT: 7.135 min Scan# 992

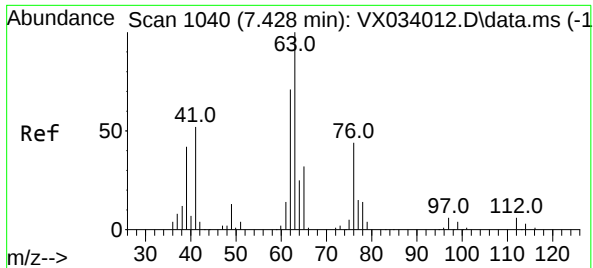
Delta R.T. 0.012 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:130	Resp: 465
Ion Ratio	Lower Upper
130 100	
95 56.5	0.0 182.6





#45

1,2-Dichloropropane

Concen: 0.139 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

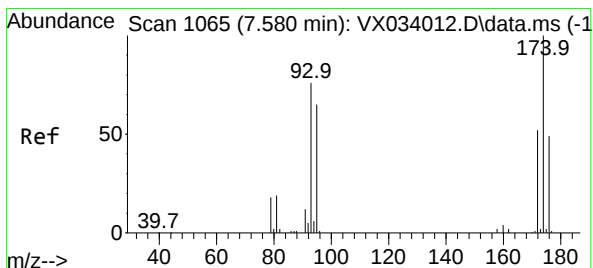
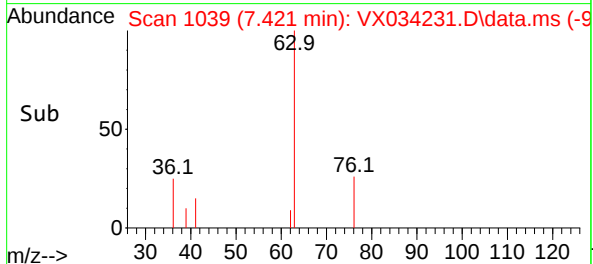
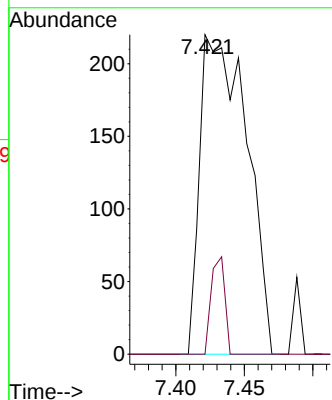
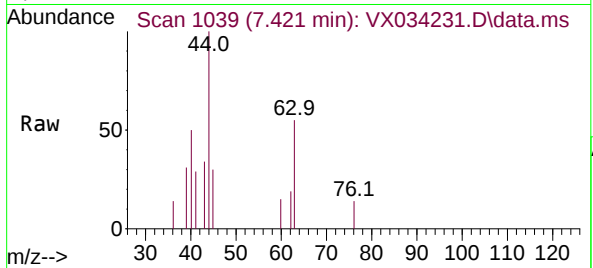
ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 63 Resp: 523
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#46

Dibromomethane

Concen: 0.143 ug/l

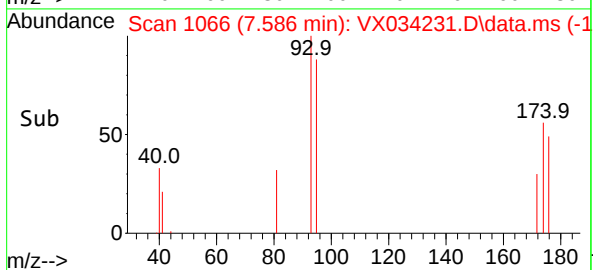
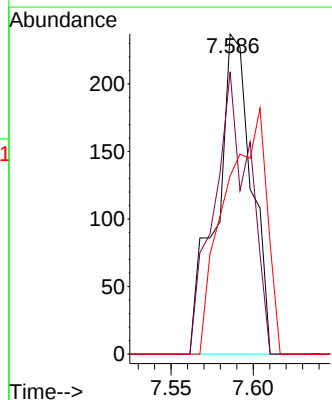
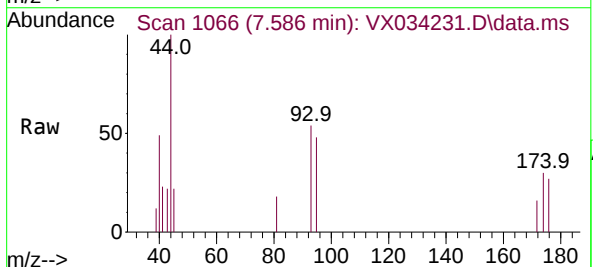
RT: 7.586 min Scan# 1066

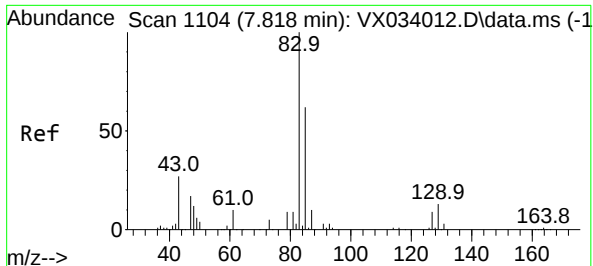
Delta R.T. 0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

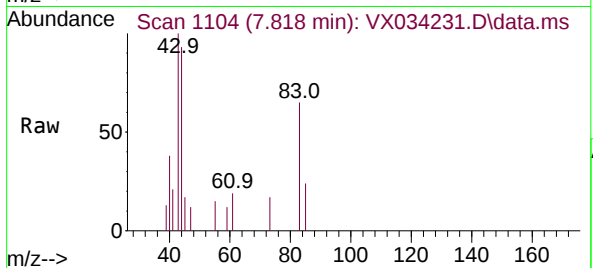
Tgt Ion: 93 Resp: 353
 Ion Ratio Lower Upper
 93 100
 95 89.0 67.6 101.4
 174 89.5 97.4 146.0





#47
Bromodichloromethane
Concen: 0.133 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

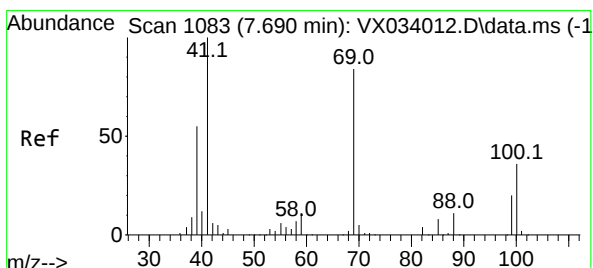
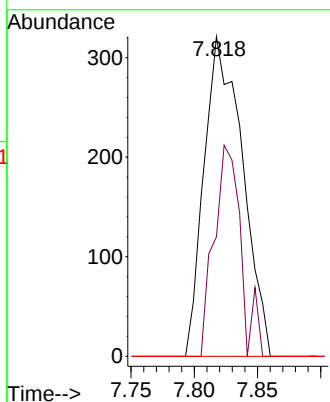
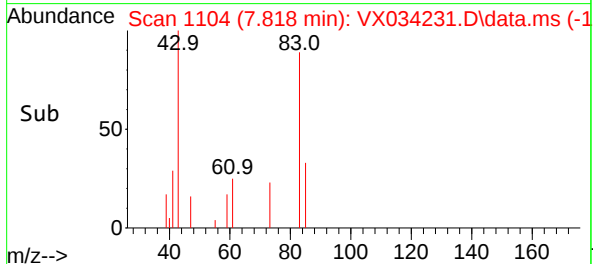
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



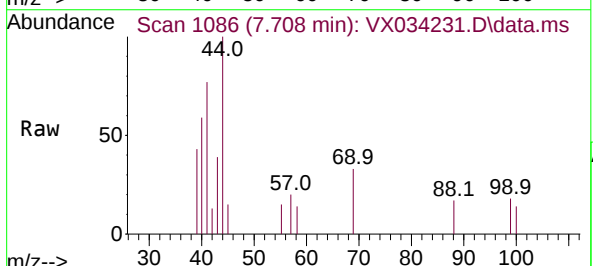
Tgt Ion: 83 Resp: 670
Ion Ratio Lower Upper
83 100
85 37.4 49.8 74.6
127 0.0 7.0 10.4

Manual Integrations
APPROVED

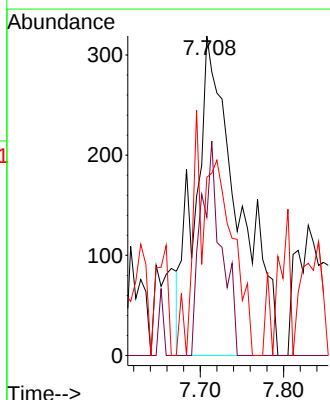
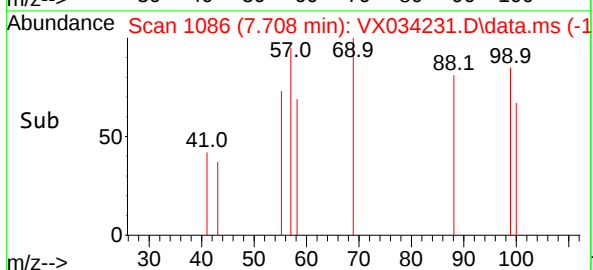
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

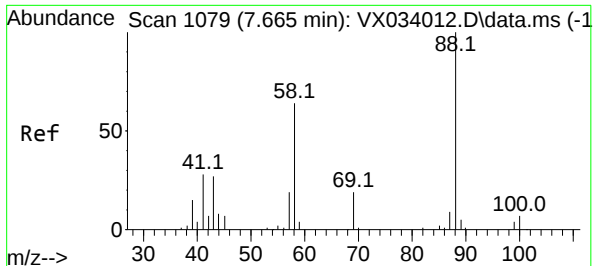


#48
Methyl methacrylate
Concen: 0.256 ug/l m
RT: 7.708 min Scan# 1086
Delta R.T. 0.018 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



Tgt Ion: 41 Resp: 1140
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 15.8 43.2 64.8#





#49

1,4-Dioxane

Concen: 1.991 ug/l

RT: 7.726 min Scan# 1089

Delta R.T. 0.073 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

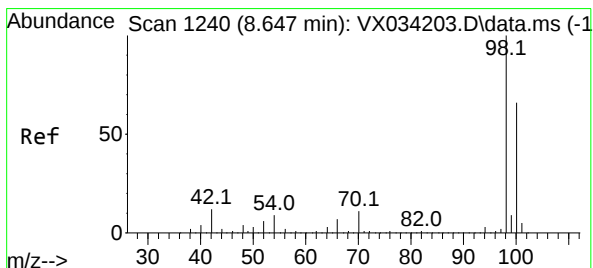
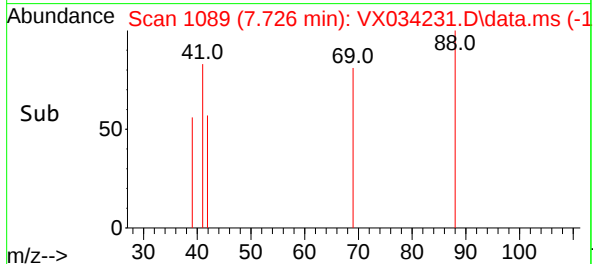
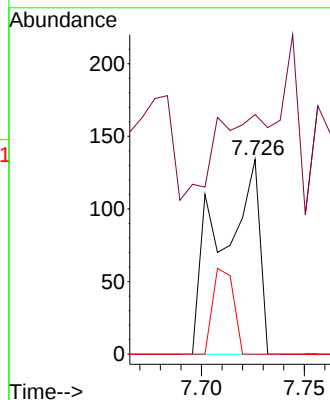
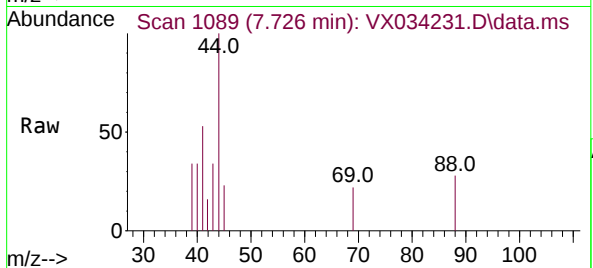
Tgt Ion: 88 Resp: 177
 Ion Ratio Lower Upper
 88 100
 43 137.9 0.0 0.0
 58 0.0 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#50

Toluene-d8

Concen: 48.712 ug/l

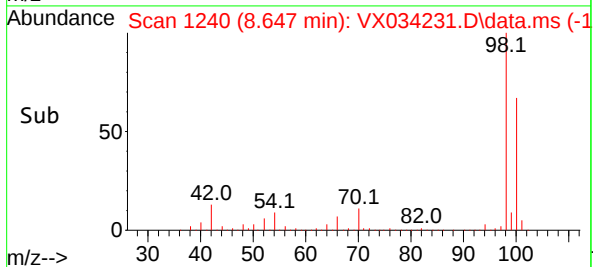
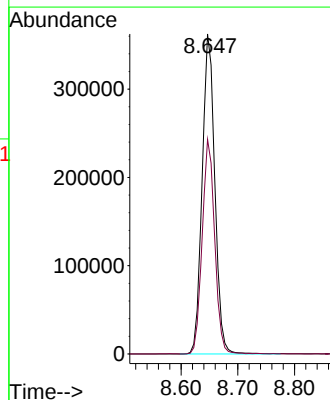
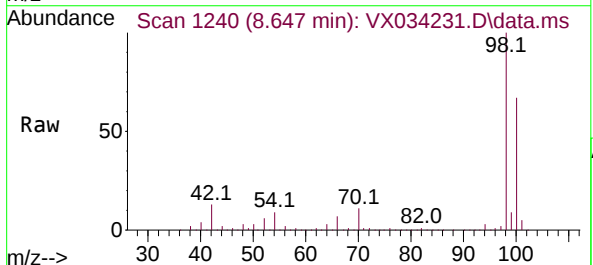
RT: 8.647 min Scan# 1240

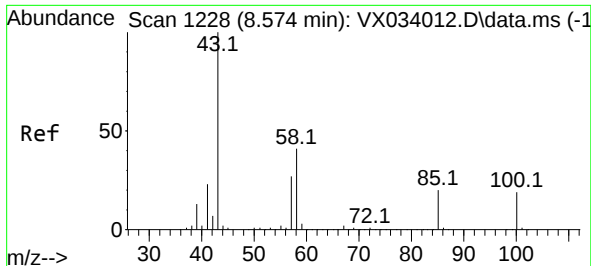
Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

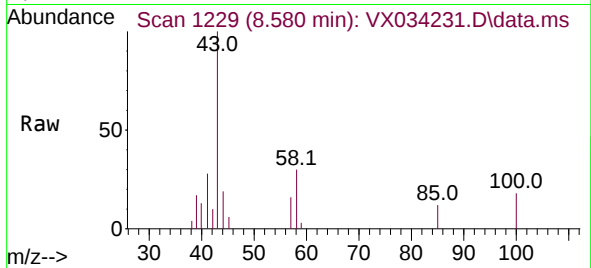
Tgt Ion: 98 Resp: 563091
 Ion Ratio Lower Upper
 98 100
 100 66.0 53.6 80.4





#51
4-Methyl-2-Pentanone
Concen: 0.610 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

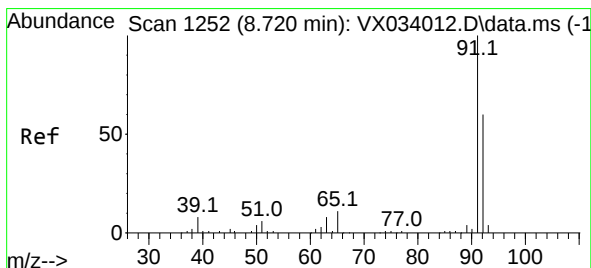
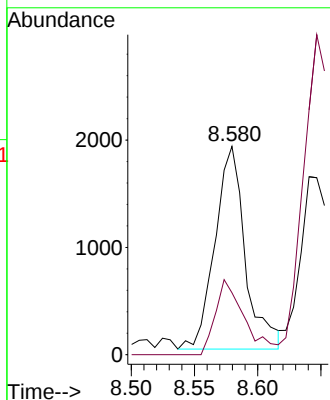
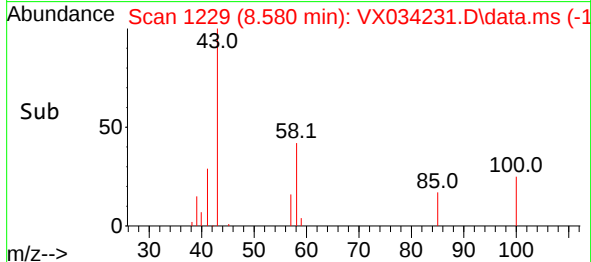
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
58 35.9 31.2 46.8

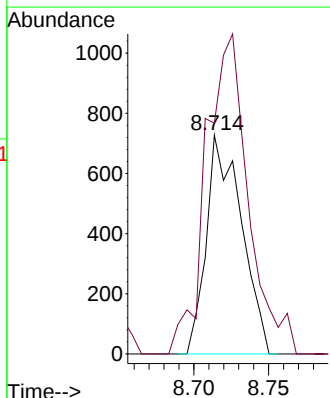
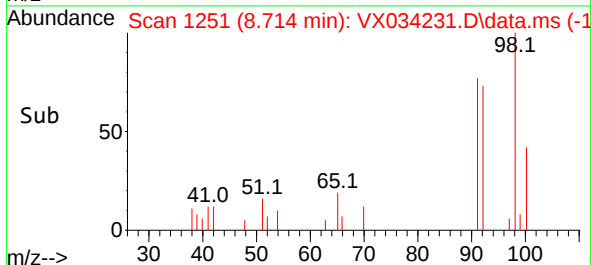
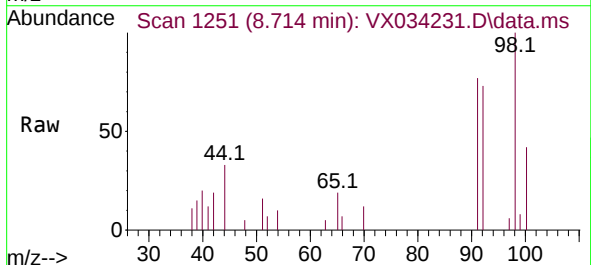
Manual Integrations
APPROVED

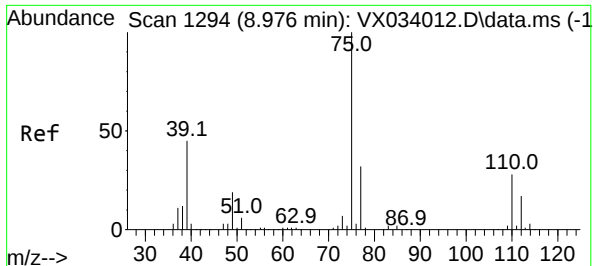
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Toluene
Concen: 0.139 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

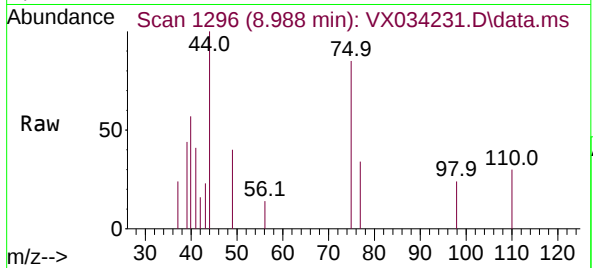
Tgt Ion: 92 Resp: 1185
Ion Ratio Lower Upper
92 100
91 176.7 135.5 203.3





#53
t-1,3-Dichloropropene
Concen: 0.116 ug/l
RT: 8.988 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

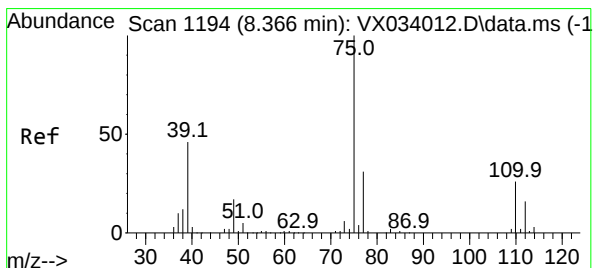
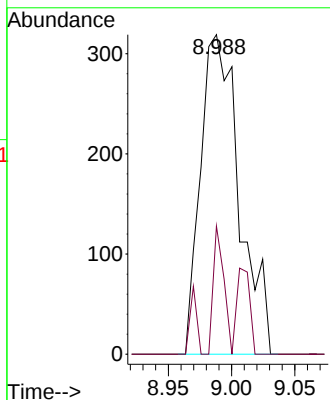
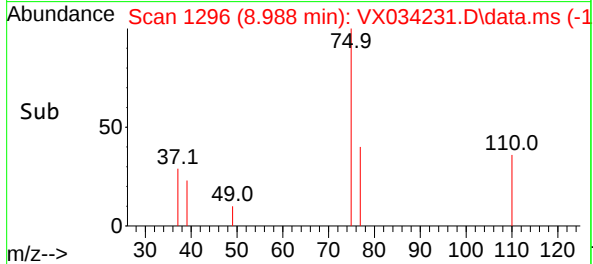
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 75 Resp: 680
Ion Ratio Lower Upper
75 100
77 40.1 25.5 38.3

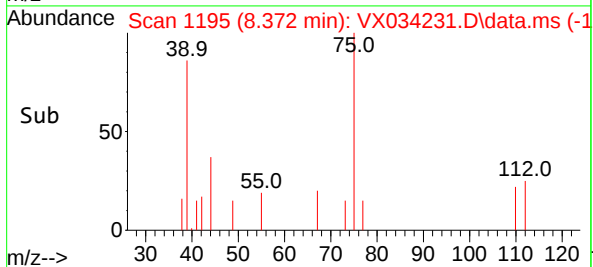
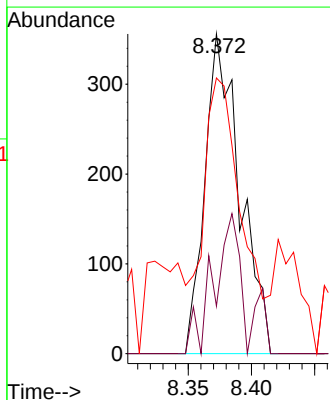
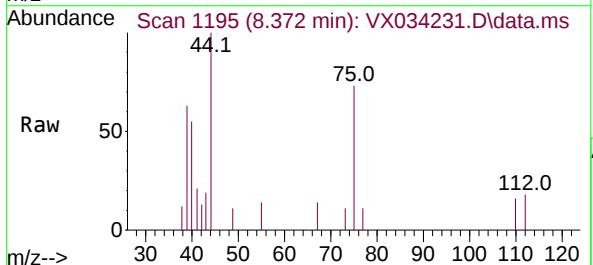
Manual Integrations
APPROVED

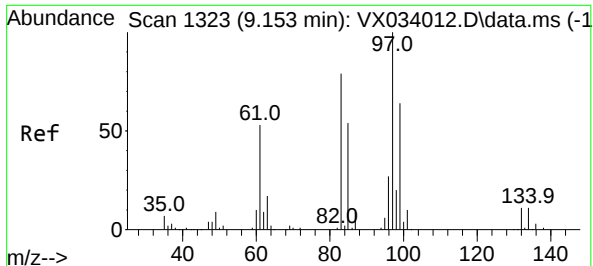
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#54
cis-1,3-Dichloropropene
Concen: 0.109 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 75 Resp: 684
Ion Ratio Lower Upper
75 100
77 14.9 25.0 37.6#
39 57.9 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 0.106 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX034231.D

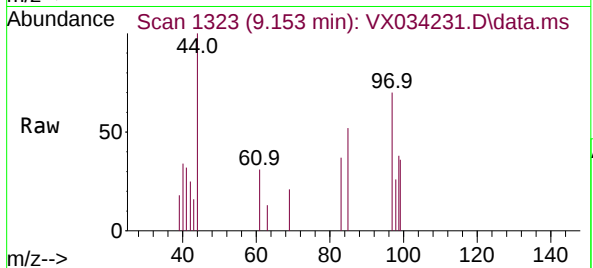
Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023



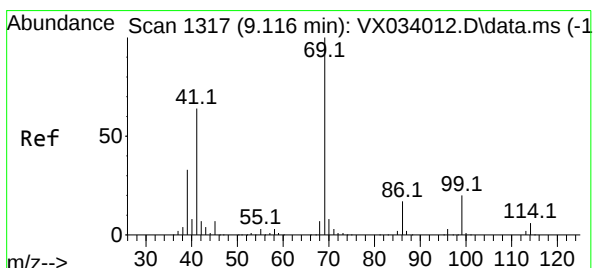
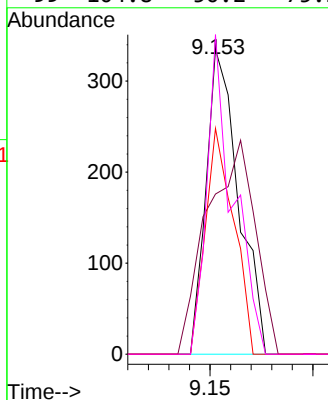
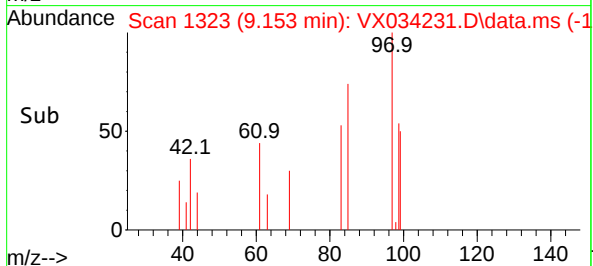
Tgt Ion:	97	Resp:	36
Ion Ratio	100	Lower	Upper
97	100		
83	52.5	67.4	101.0
85	74.0	43.2	64.8
99	104.8	50.2	75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#56

Ethyl methacrylate

Concen: 0.137 ug/l

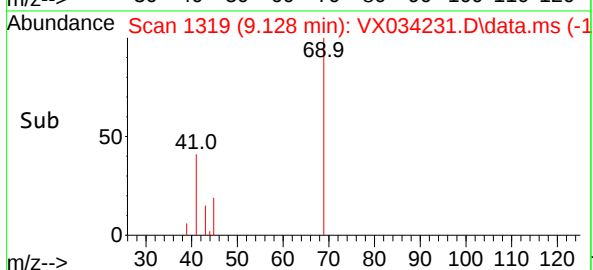
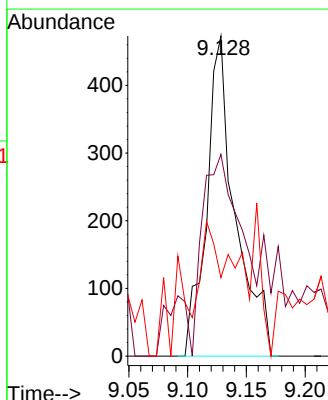
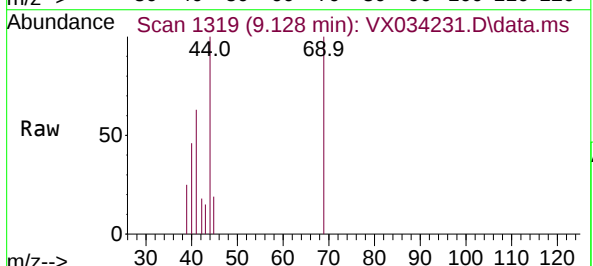
RT: 9.128 min Scan# 1319

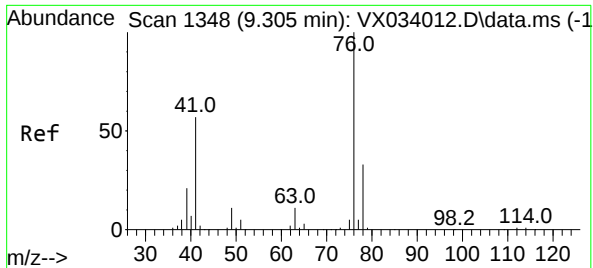
Delta R.T. 0.012 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:	69	Resp:	801
Ion Ratio	100	Lower	Upper
69	100		
41	86.4	55.1	82.7
39	16.6	28.5	42.7





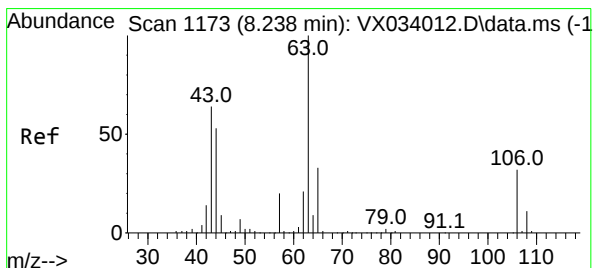
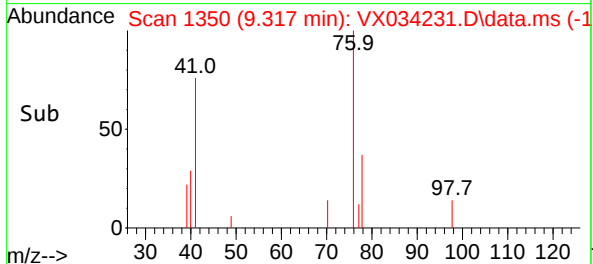
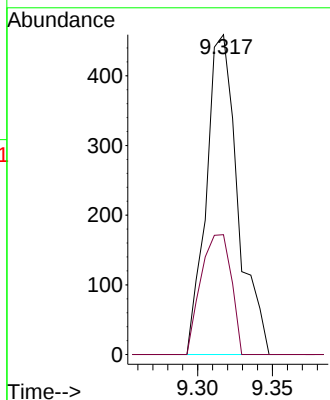
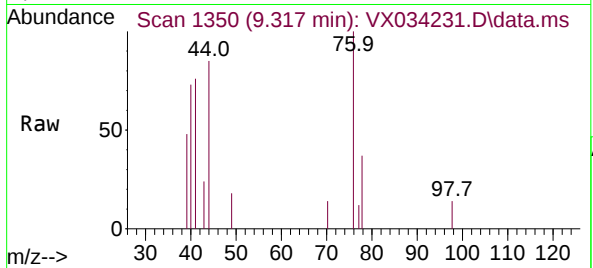
#57
1,3-Dichloropropane
Concen: 0.112 ug/l
RT: 9.317 min Scan# 1135
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion: 76 Resp: 672
Ion Ratio Lower Upper
76 100
78 36.0 25.6 38.4

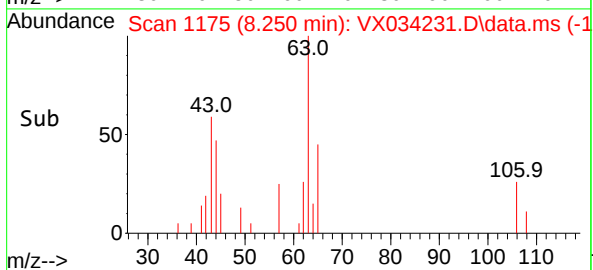
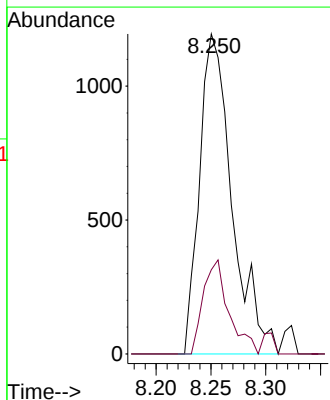
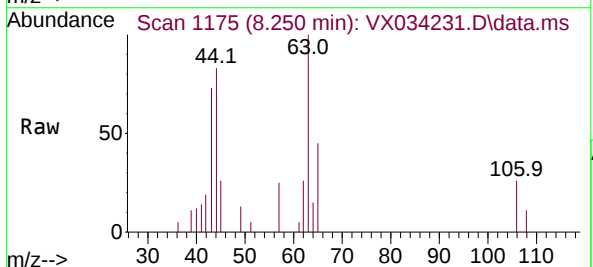
Manual Integrations
APPROVED

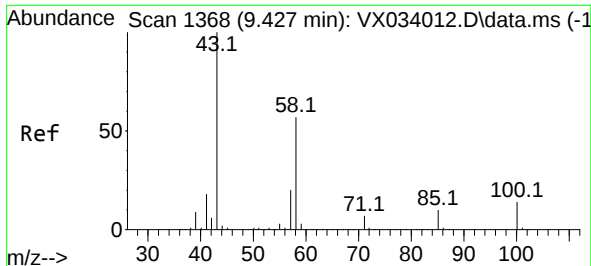
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
2-Chloroethyl Vinyl ether
Concen: 0.976 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 63 Resp: 2469
Ion Ratio Lower Upper
63 100
106 23.0 24.5 36.7#





#59

2-Hexanone

Concen: 0.530 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

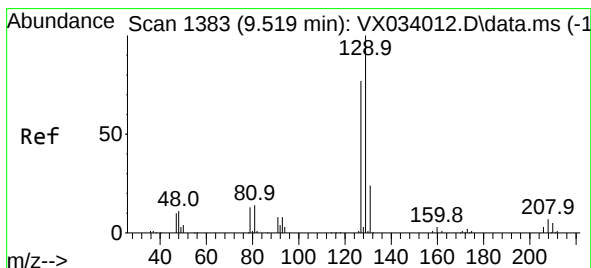
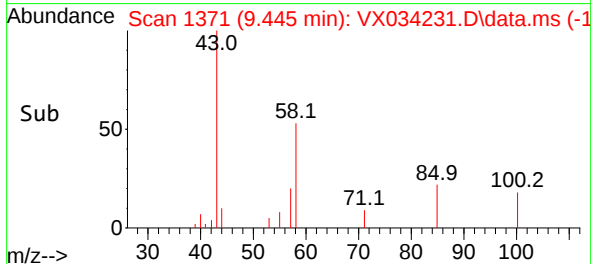
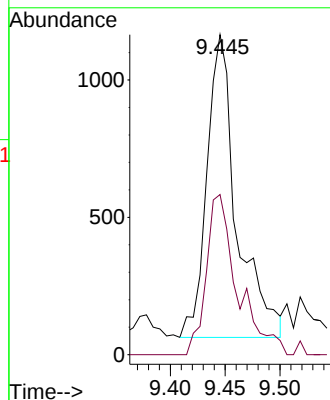
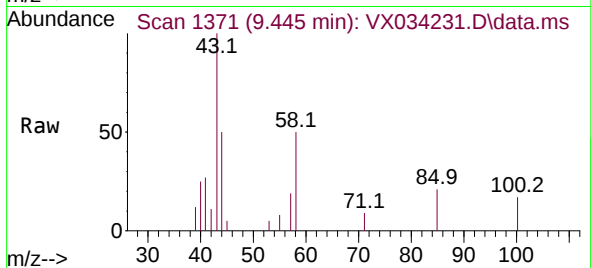
ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 208
 Ion Ratio Lower Upper
 43 100
 58 55.3 27.4 82.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#60

Dibromochloromethane

Concen: 0.127 ug/l

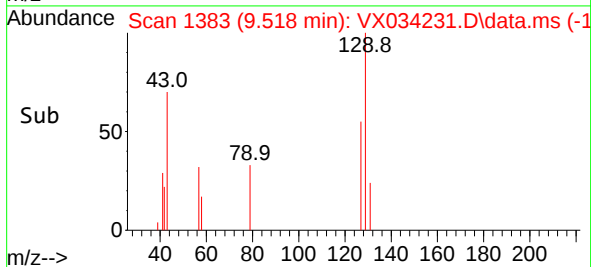
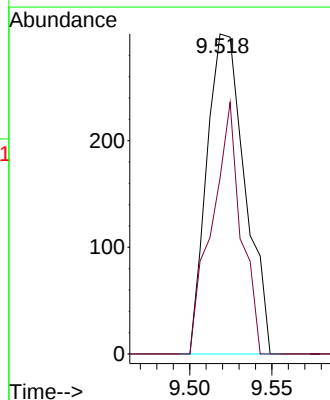
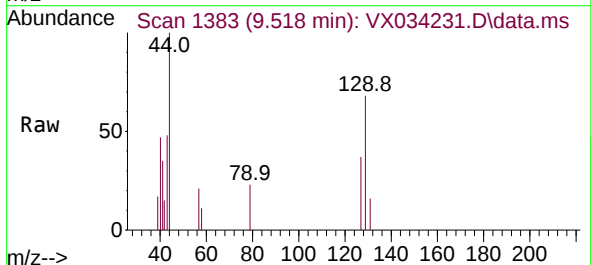
RT: 9.518 min Scan# 1383

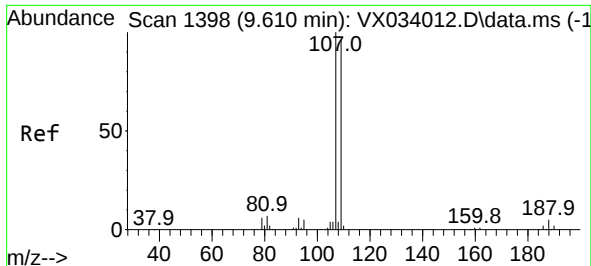
Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

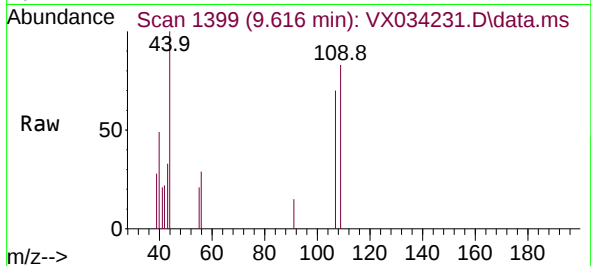
Tgt Ion:129 Resp: 483
 Ion Ratio Lower Upper
 129 100
 127 60.0 38.8 116.3





#61
1,2-Dibromoethane
Concen: 0.118 ug/l
RT: 9.616 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

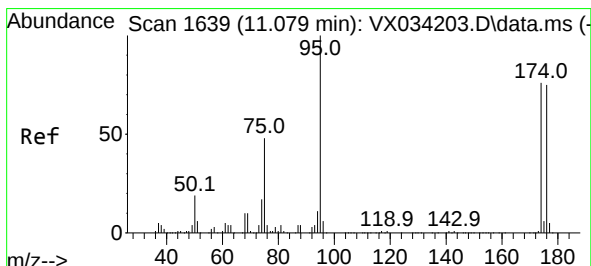
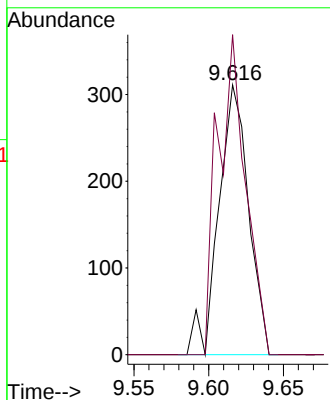
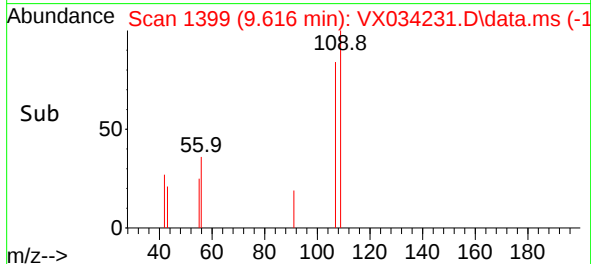
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



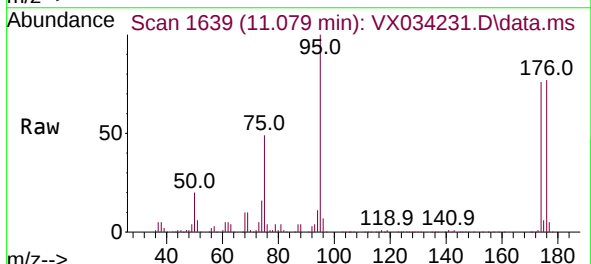
Tgt Ion:107 Resp: 432
Ion Ratio Lower Upper
107 100
109 111.1 74.2 111.2

Manual Integrations
APPROVED

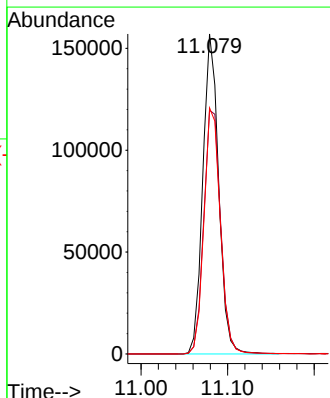
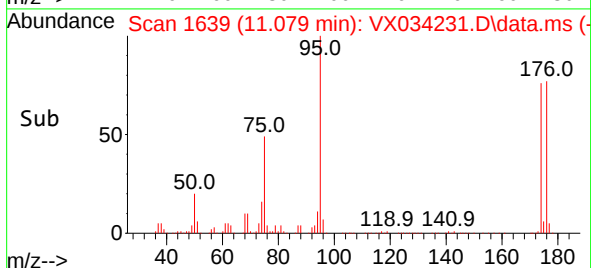
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

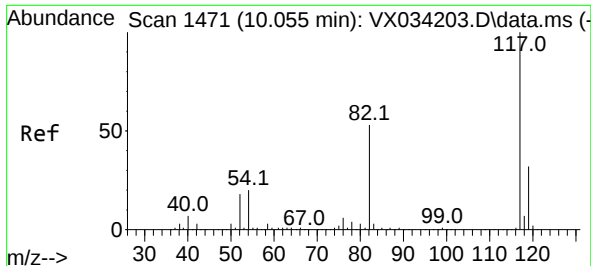


#62
4-Bromofluorobenzene
Concen: 45.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



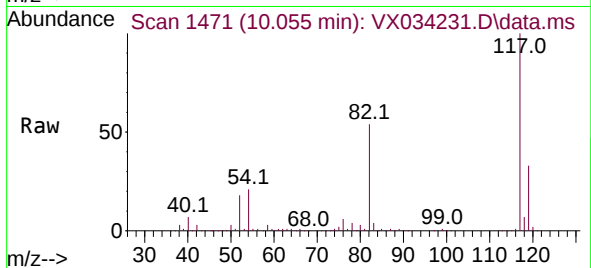
Tgt Ion: 95 Resp: 199534
Ion Ratio Lower Upper
95 100
174 81.3 0.0 184.4
176 79.9 0.0 178.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

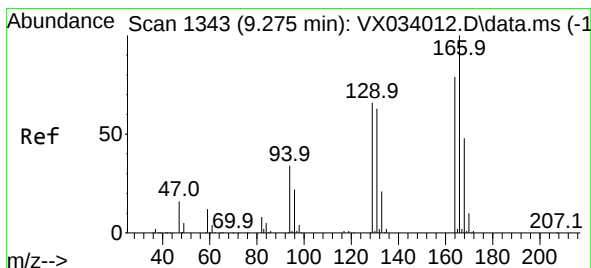
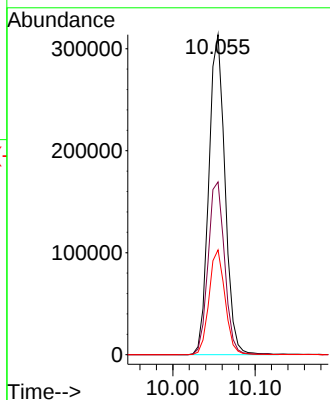
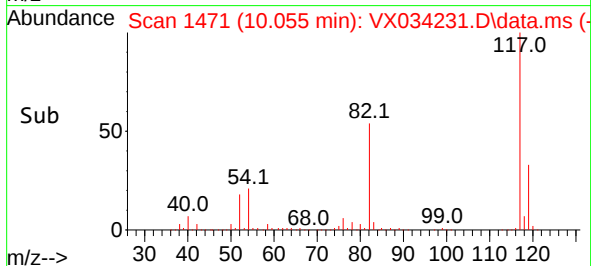
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:117 Resp: 430010
Ion Ratio Lower Upper
117 100
82 54.0 40.6 60.8
119 32.7 25.6 38.4

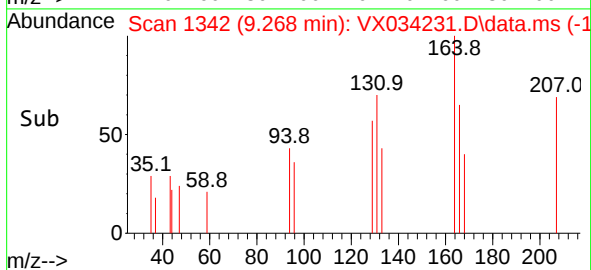
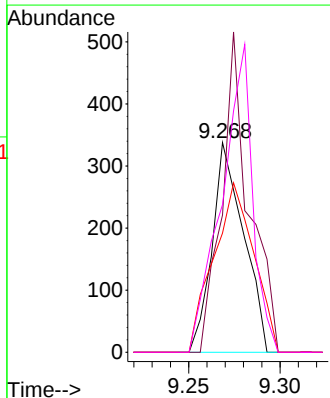
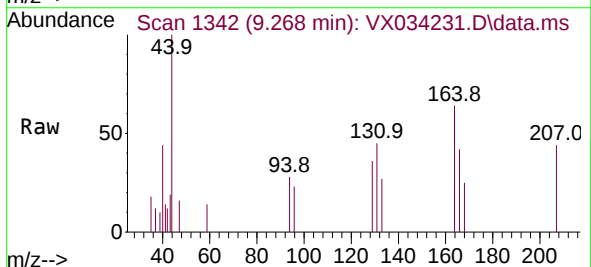
Manual Integrations
APPROVED

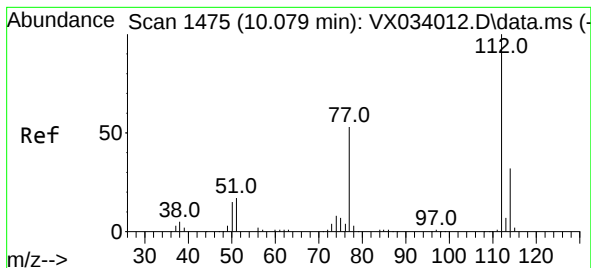
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#64
Tetrachloroethene
Concen: 0.133 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

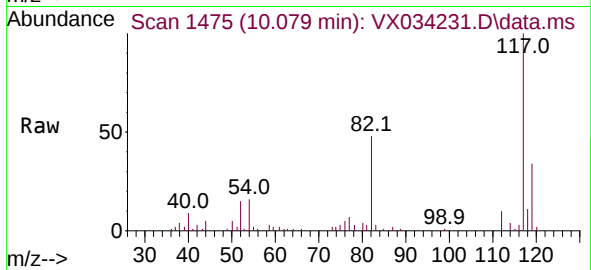
Tgt Ion:164 Resp: 404
Ion Ratio Lower Upper
164 100
166 65.4 100.2 150.2#
129 56.8 69.2 103.8#
131 70.4 67.2 100.8





#65
Chlorobenzene
Concen: 0.168 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

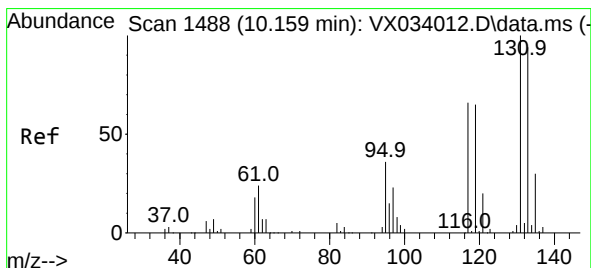
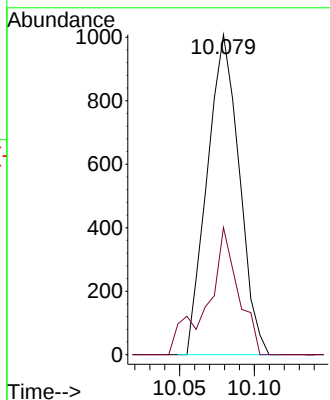
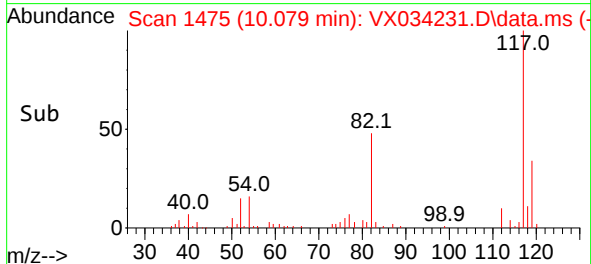
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



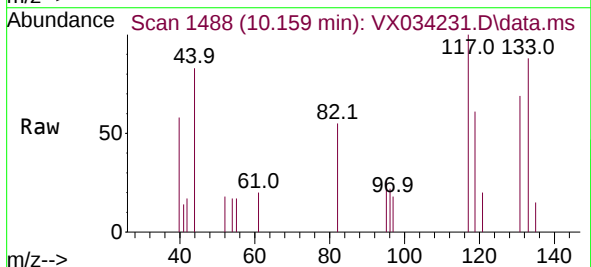
Tgt Ion:112 Resp: 150
Ion Ratio Lower Upper
112 100
114 39.8 26.2 39.4

Manual Integrations
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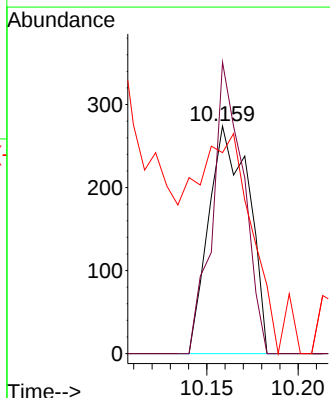
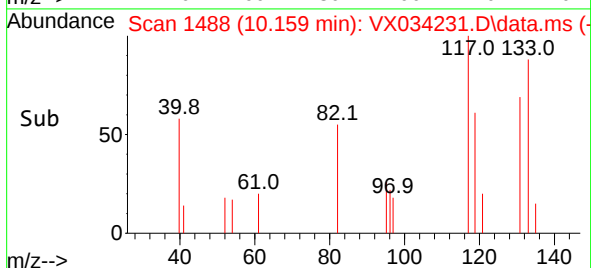
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

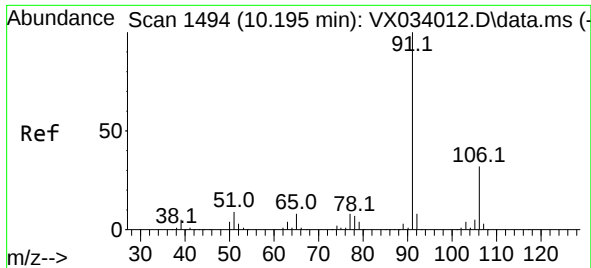


#66
1,1,1,2-Tetrachloroethane
Concen: 0.120 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



Tgt Ion:131 Resp: 418
Ion Ratio Lower Upper
131 100
133 98.6 48.4 145.0
119 0.0 31.9 95.7





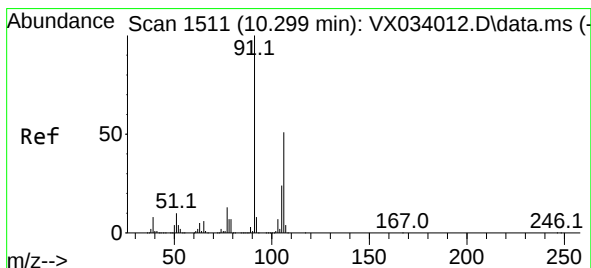
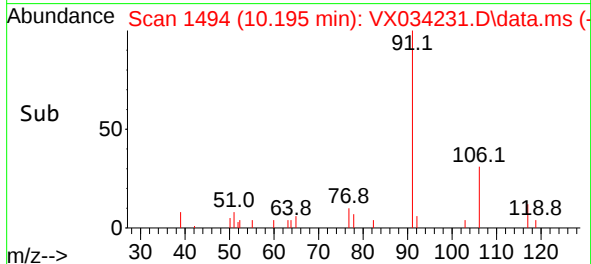
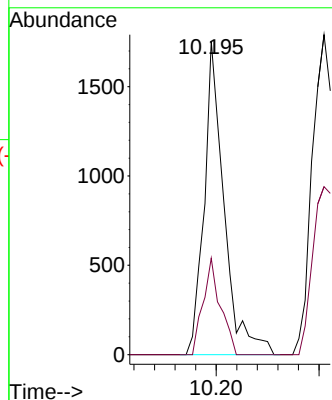
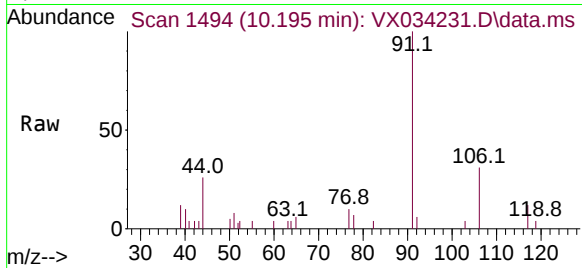
#67
Ethyl Benzene
Concen: 0.147 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion: 91 Resp: 2368
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

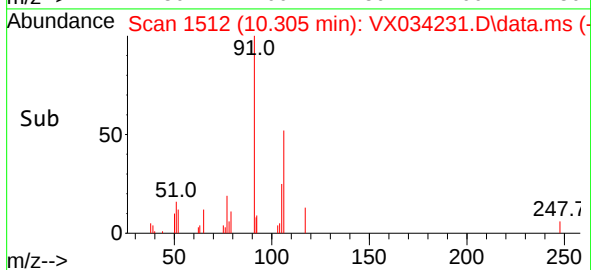
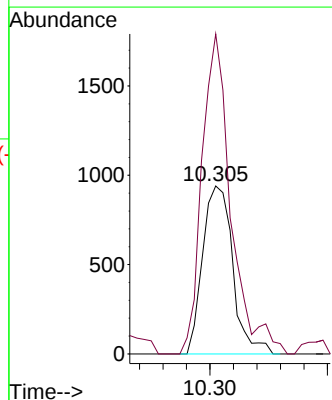
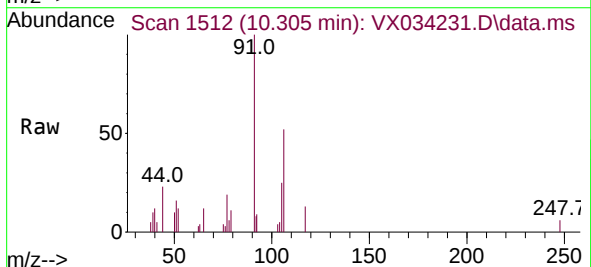
Manual Integrations
APPROVED

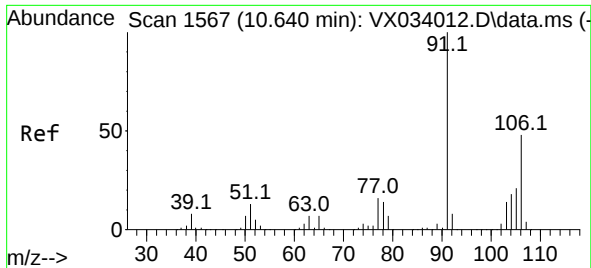
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#68
m/p-Xylenes
Concen: 0.271 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion:106 Resp: 1670
Ion Ratio Lower Upper
106 100
91 183.4 156.4 234.6





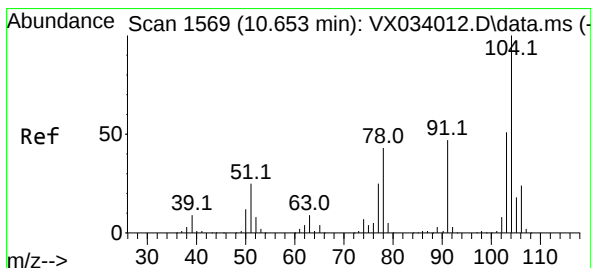
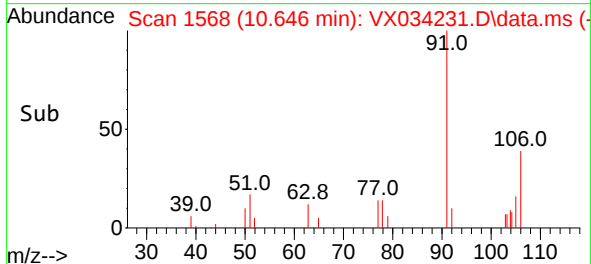
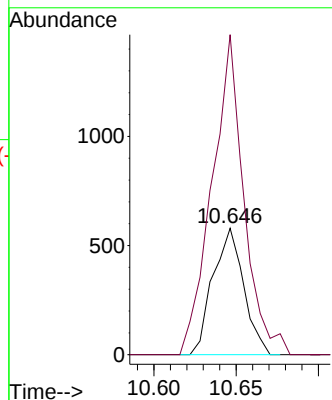
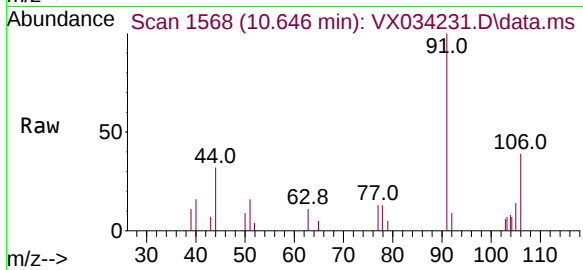
#69
o-Xylene
Concen: 0.123 ug/l
RT: 10.646 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion:106 Resp: 75
Ion Ratio Lower Upper
106 100
91 263.2 103.1 309.3

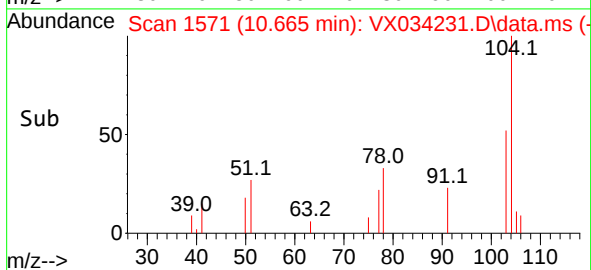
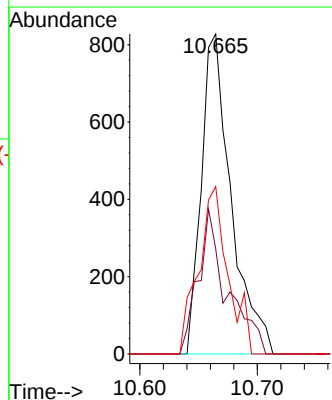
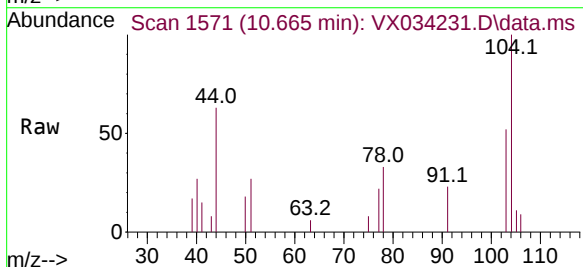
Manual Integrations
APPROVED

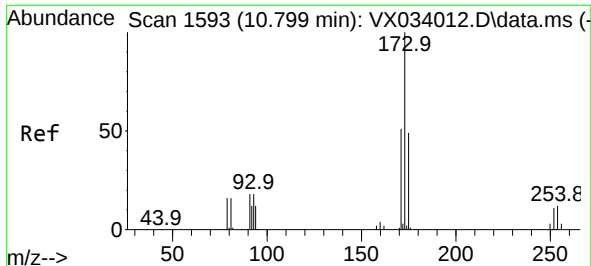
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#70
Styrene
Concen: 0.146 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

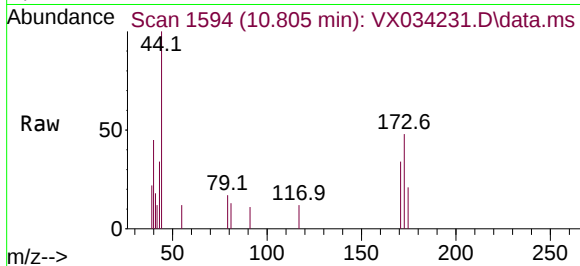
Tgt Ion:104 Resp: 1460
Ion Ratio Lower Upper
104 100
78 44.0 37.5 56.3
103 51.7 43.3 64.9





#71
Bromoform
Concen: 0.092 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

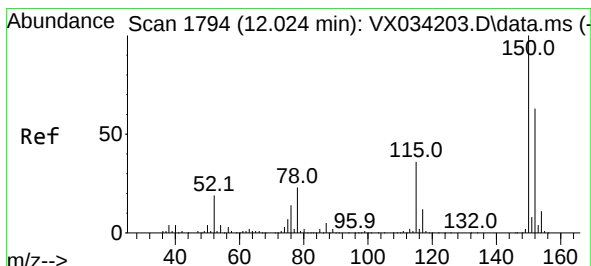
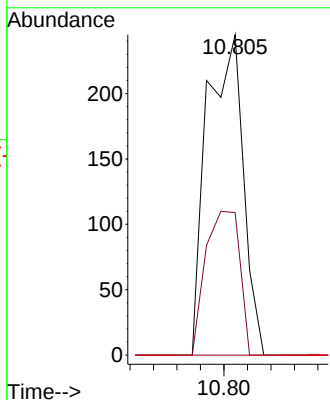
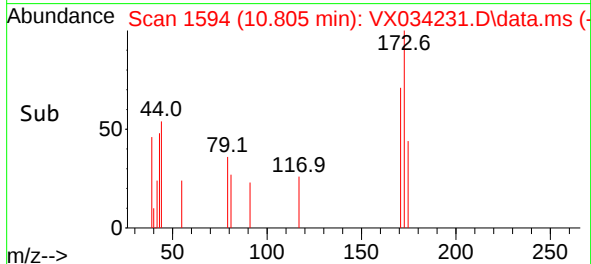
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:173 Resp: 262
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3
254 0.0 0.1 0.1

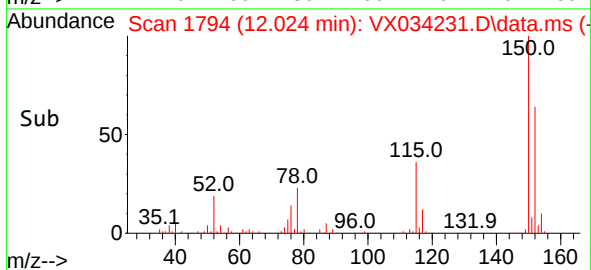
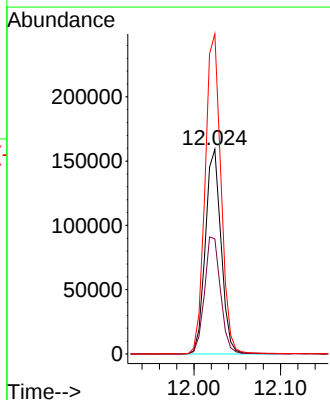
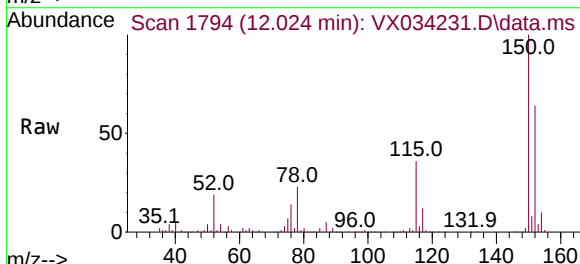
Manual Integrations
APPROVED

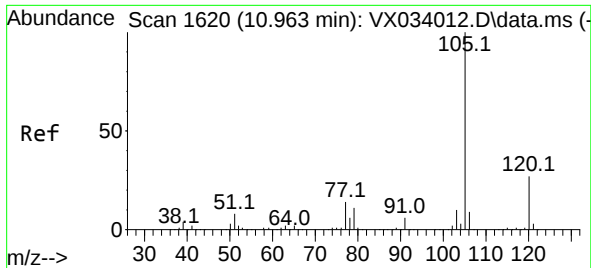
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

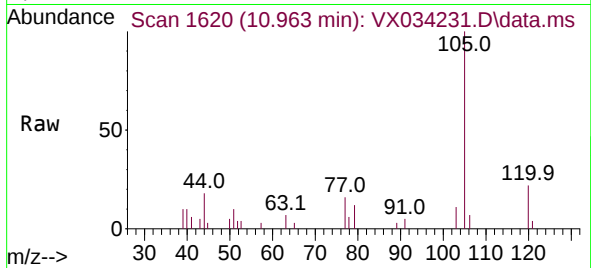
Tgt Ion:152 Resp: 200962
Ion Ratio Lower Upper
152 100
115 58.4 38.7 116.1
150 158.1 0.0 348.2





#73
Isopropylbenzene
Concen: 0.147 ug/l
RT: 10.963 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

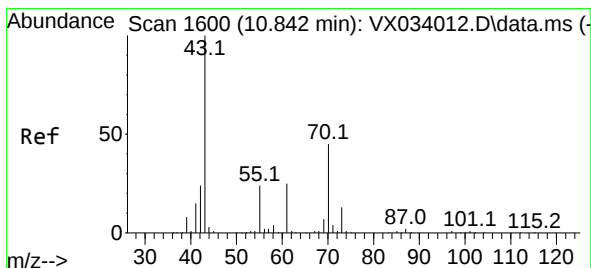
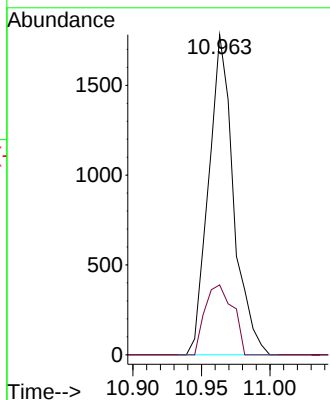
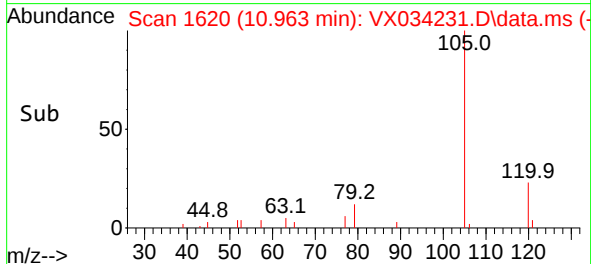
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:105 Resp: 2250
Ion Ratio Lower Upper
105 100
120 24.6 13.6 40.8

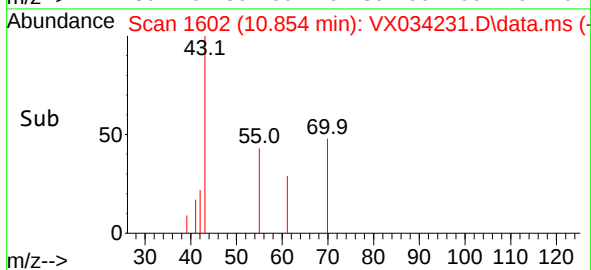
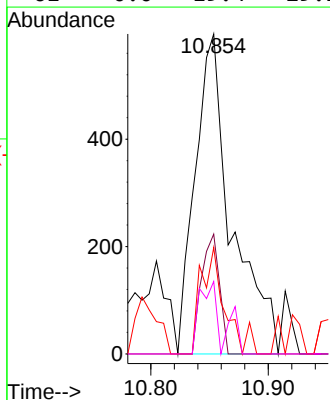
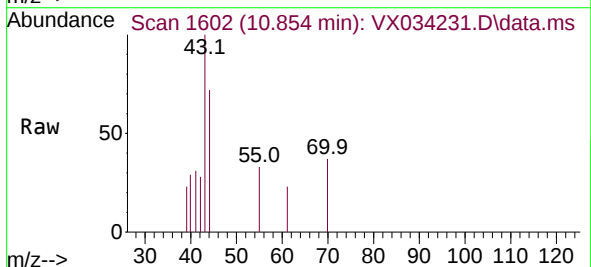
Manual Integrations
APPROVED

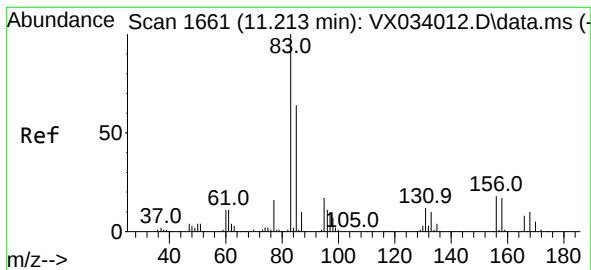
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#74
N-ethyl acetate
Concen: 0.167 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

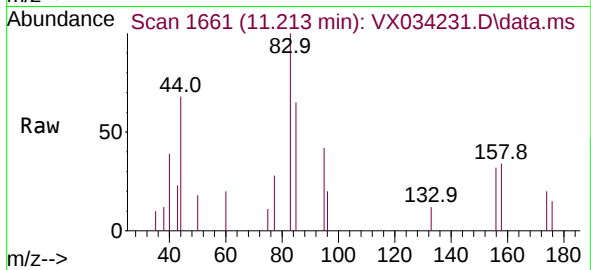
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
70 18.3 34.8 52.2#
55 21.9 19.4 29.0
61 0.0 19.4 29.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.148 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

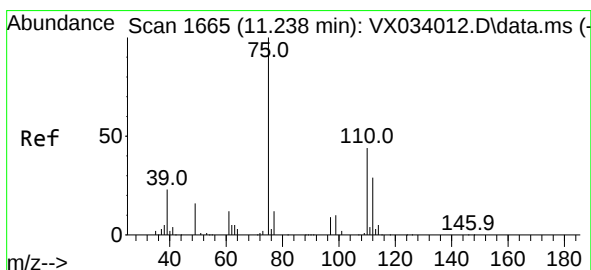
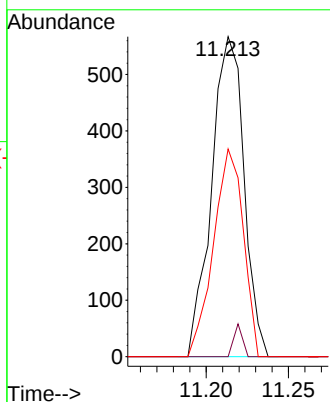
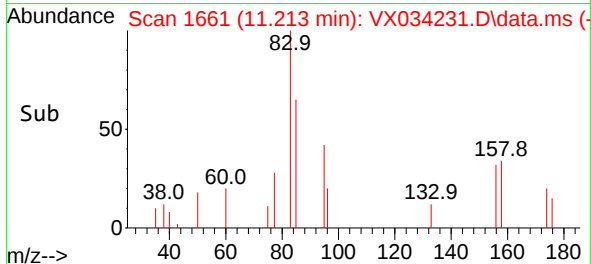
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 83 Resp: 770
Ion Ratio Lower Upper
83 100
131 2.7 5.5 16.7
85 59.7 32.3 96.9

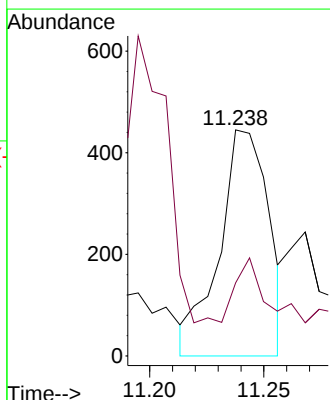
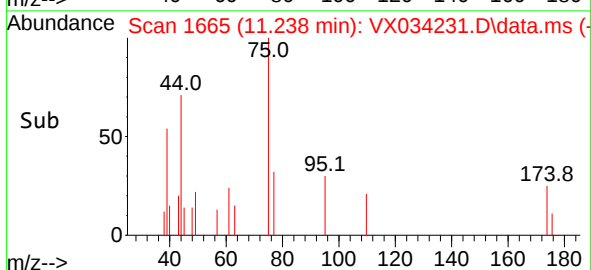
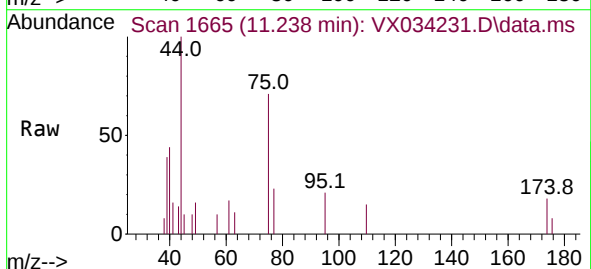
Manual Integrations
APPROVED

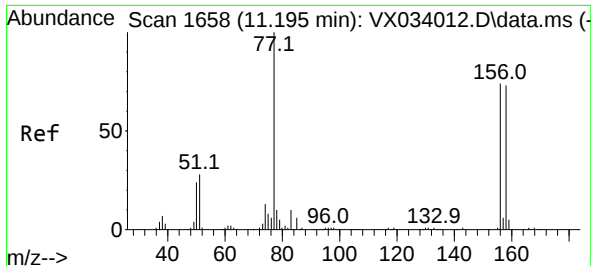
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#76
1,2,3-Trichloropropane
Concen: 0.133 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

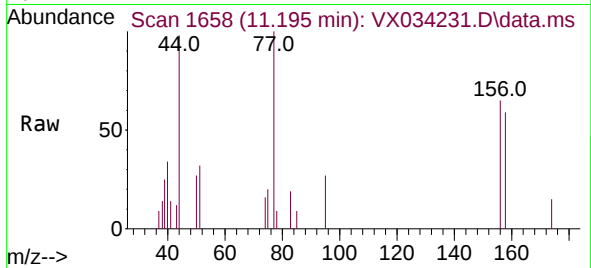
Tgt Ion: 75 Resp: 671
Ion Ratio Lower Upper
75 100
77 164.2 21.8 65.4#





#77
Bromobenzene
Concen: 0.146 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

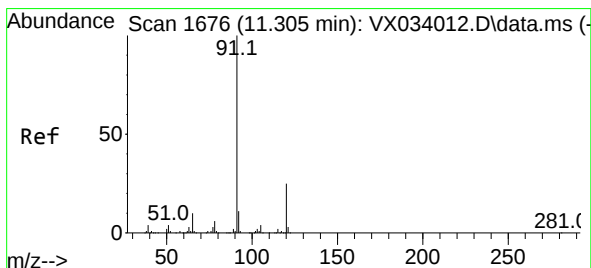
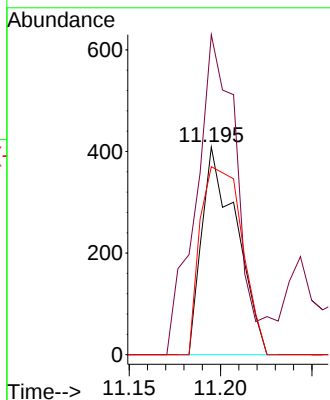
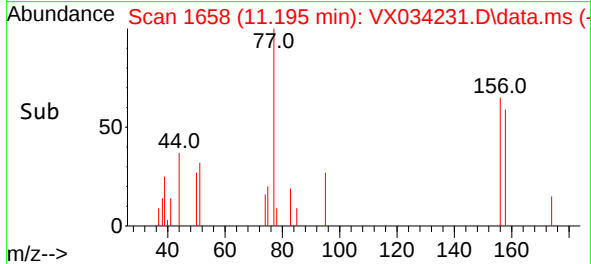
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



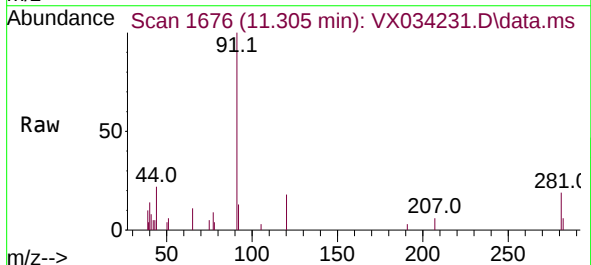
Tgt Ion:156 Resp: 531
Ion Ratio Lower Upper
156 100
77 187.5 68.1 204.3
158 109.7 48.0 144.2

Manual Integrations
APPROVED

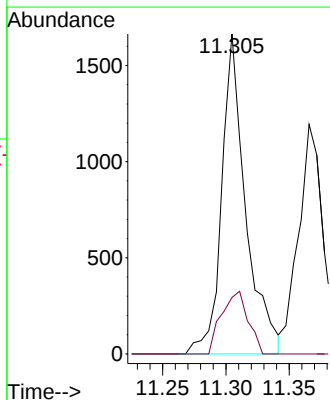
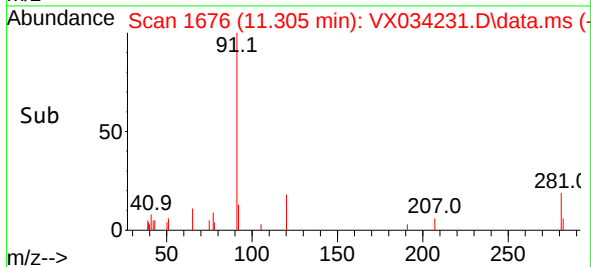
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

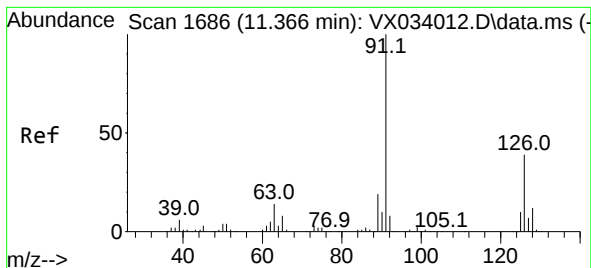


#78
n-propylbenzene
Concen: 0.123 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09



Tgt Ion: 91 Resp: 2194
Ion Ratio Lower Upper
91 100
120 21.6 12.3 36.8





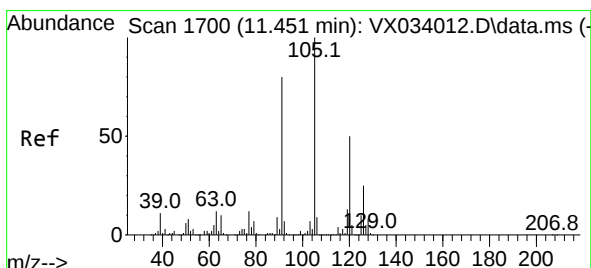
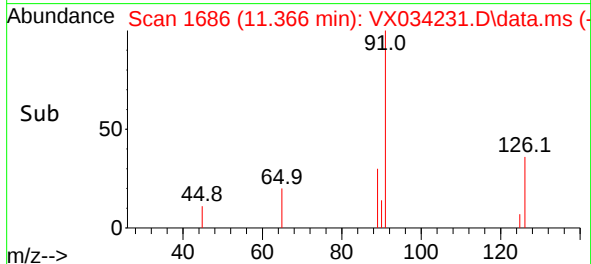
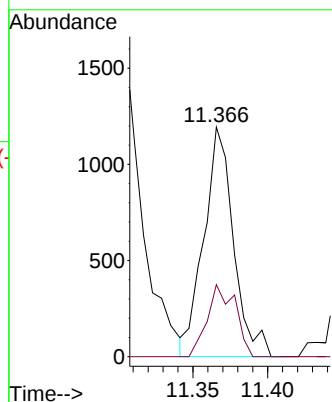
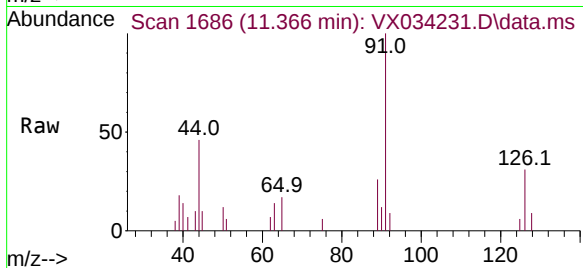
#79
2-Chlorotoluene
Concen: 0.151 ug/l
RT: 11.366 min Scan# 1644
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion: 91 Resp: 1644
Ion Ratio Lower Upper
91 100
126 29.7 18.1 54.1

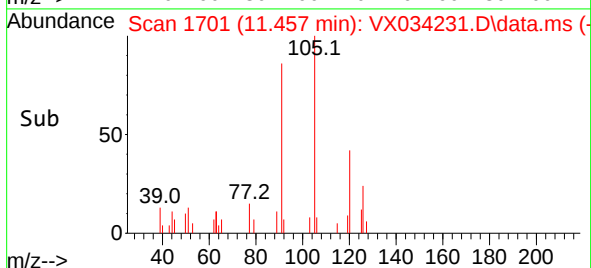
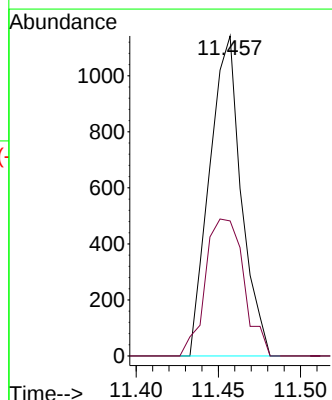
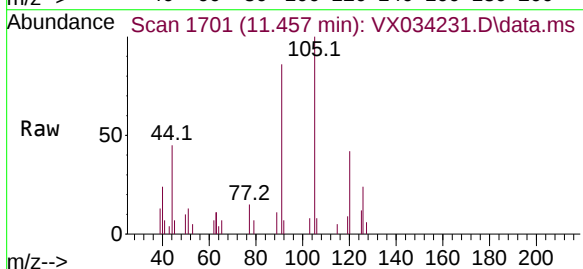
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.119 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

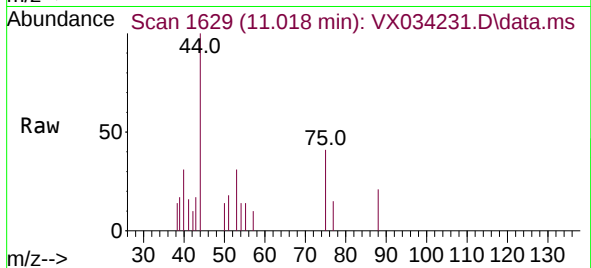
Tgt Ion:105 Resp: 1534
Ion Ratio Lower Upper
105 100
120 51.8 25.6 76.8





#81
trans-1,4-Dichloro-2-butene
Concen: 0.038 ug/l m
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

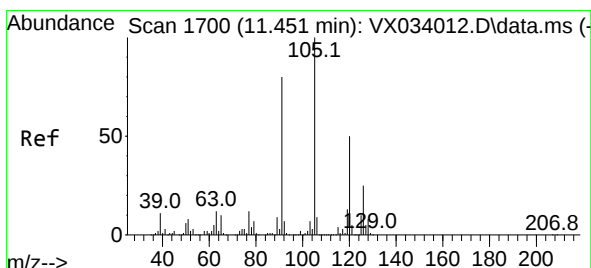
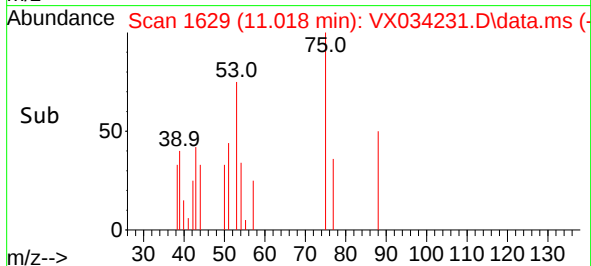
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 75 Resp: 74
Ion Ratio Lower Upper
75 100
53 36.5 83.0 124.6
89 0.0 37.7 56.5

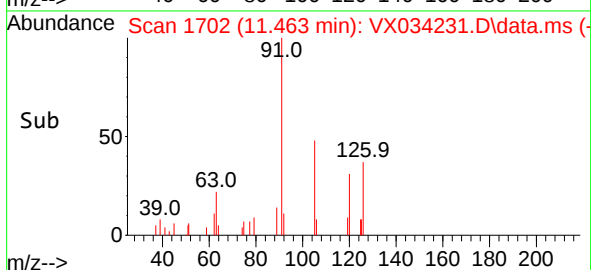
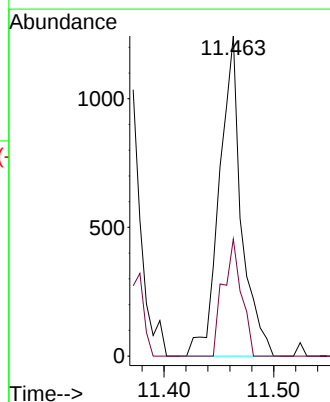
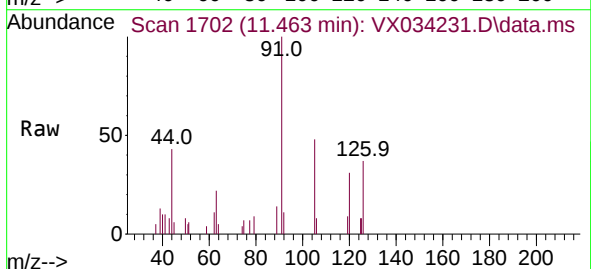
Manual Integrations
APPROVED

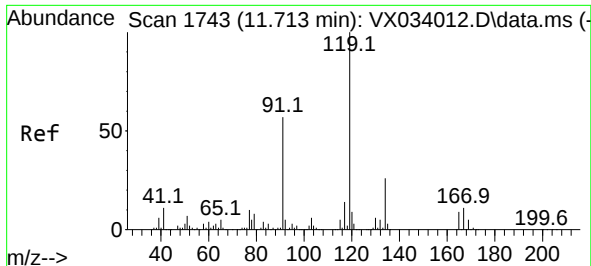
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#82
4-Chlorotoluene
Concen: 0.140 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 91 Resp: 1744
Ion Ratio Lower Upper
91 100
126 30.1 15.8 47.4





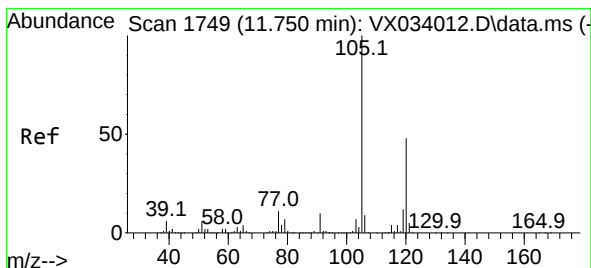
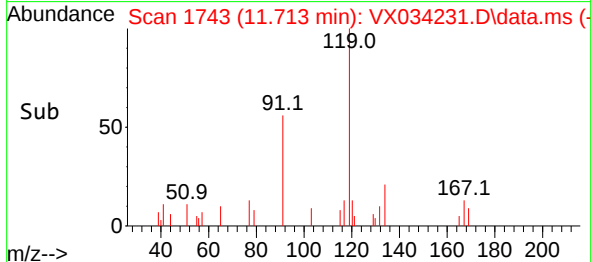
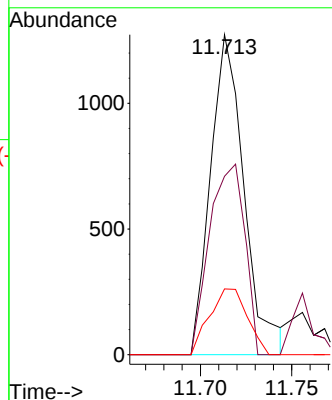
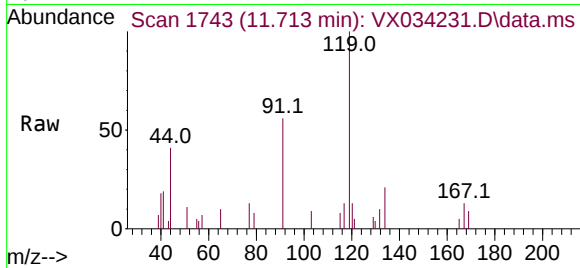
#83
tert-Butylbenzene
Concen: 0.124 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion:	119	Resp:	1629
Ion Ratio	Lower	Upper	
119	100		
91	62.4	26.9	80.7
134	23.2	12.3	36.8

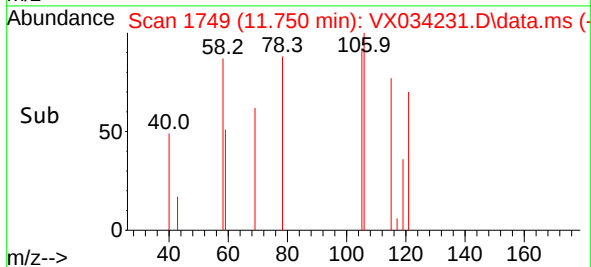
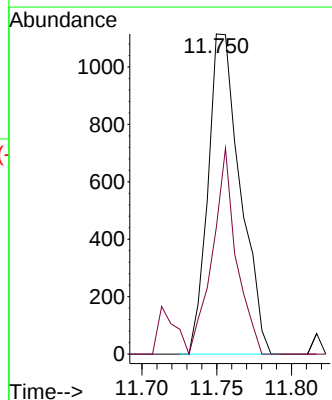
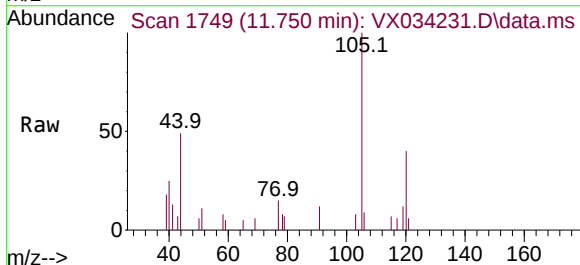
Manual Integrations
APPROVED

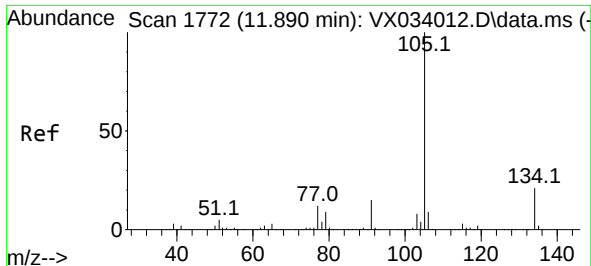
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.129 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

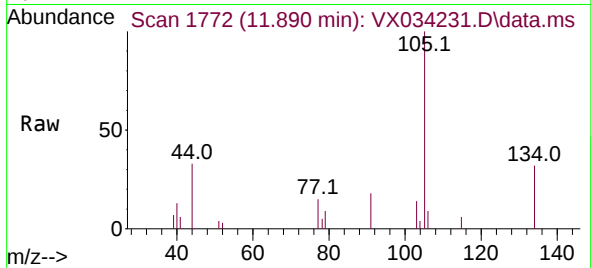
Tgt Ion:	105	Resp:	1676
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.4	70.2





#85
 sec-Butylbenzene
 Concen: 0.142 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX034231.D
 Acq: 22 Feb 2023 16:09

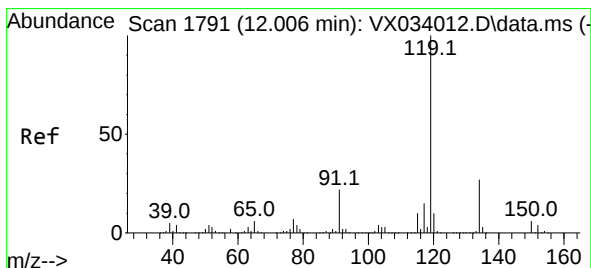
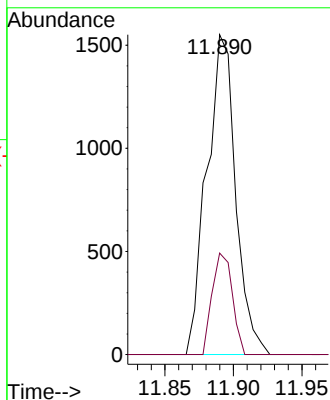
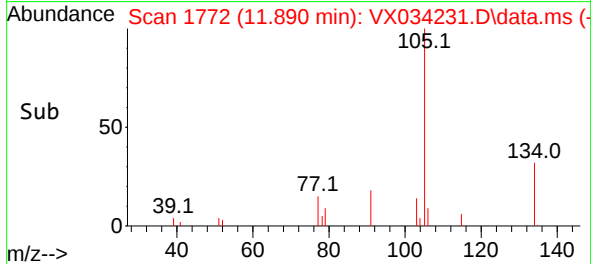
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023



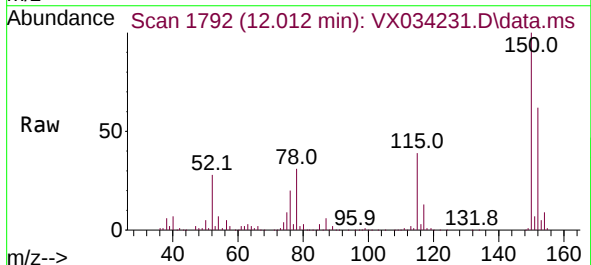
Tgt Ion:105 Resp: 2269
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.8 32.3

Manual Integrations
 APPROVED

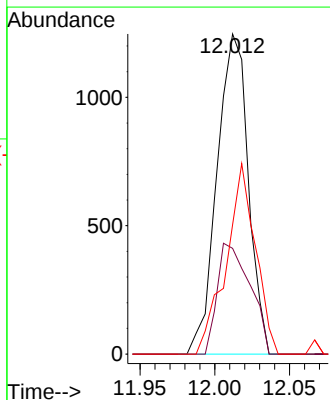
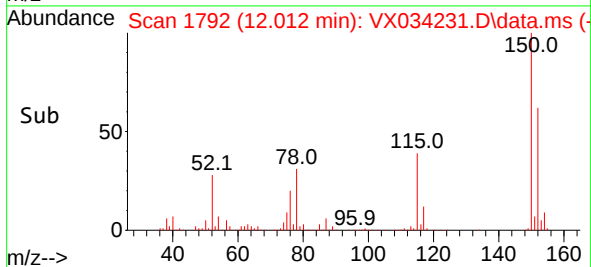
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

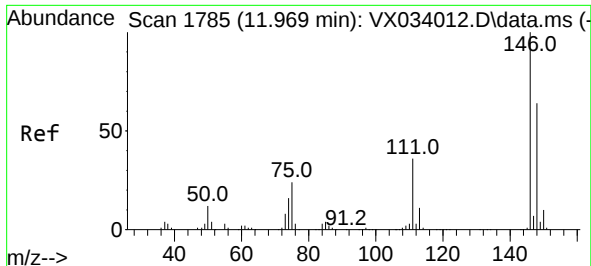


#86
 p-Isopropyltoluene
 Concen: 0.137 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX034231.D
 Acq: 22 Feb 2023 16:09



Tgt Ion:119 Resp: 1810
 Ion Ratio Lower Upper
 119 100
 134 36.3 13.6 40.8
 91 55.9 11.0 33.0#





#87

1,3-Dichlorobenzene

Concen: 0.137 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

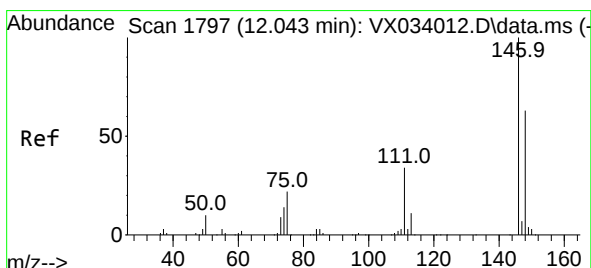
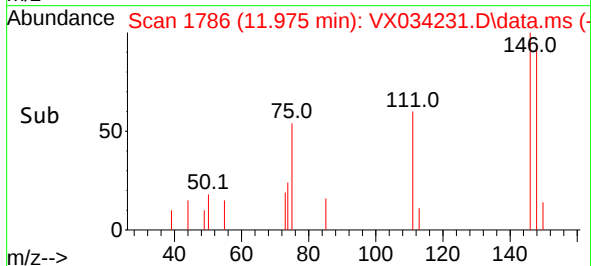
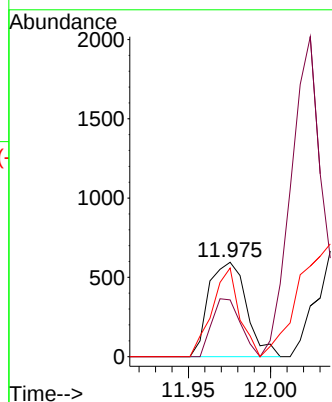
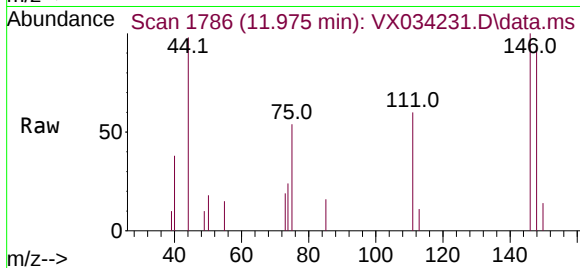
Tgt Ion:146	Resp:	950
Ion Ratio	Lower	Upper
146	100	
111	46.3	18.6 55.6
148	67.8	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#88

1,4-Dichlorobenzene

Concen: 0.168 ug/l m

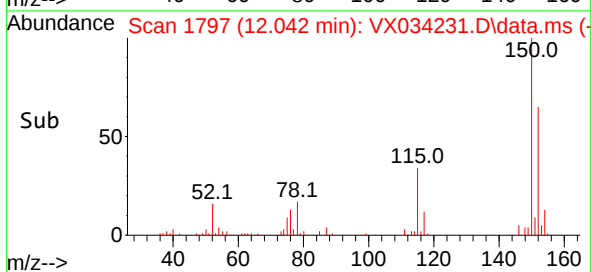
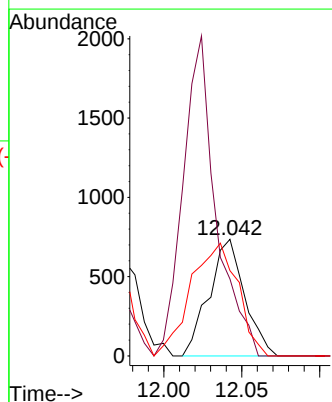
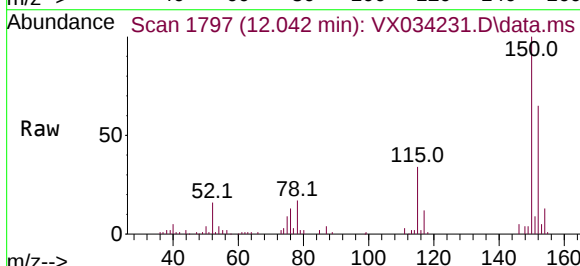
RT: 12.042 min Scan# 1797

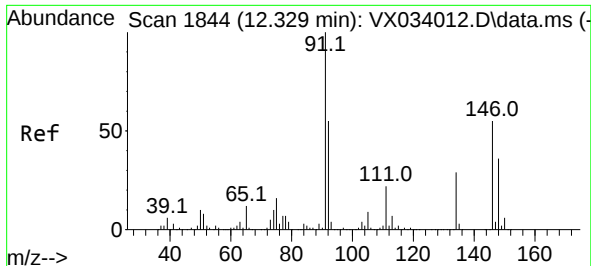
Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:146	Resp:	1170
Ion Ratio	Lower	Upper
146	100	
111	37.6	17.8 53.4
148	55.0	32.1 96.3





#89

n-Butylbenzene

Concen: 0.129 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

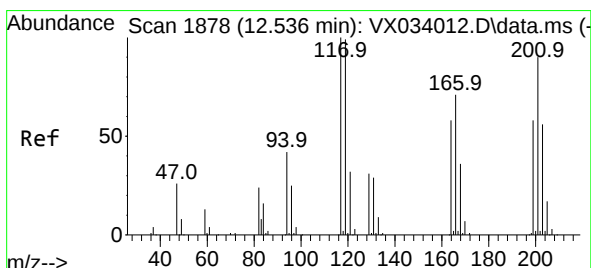
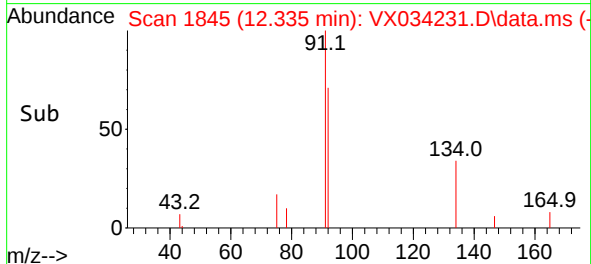
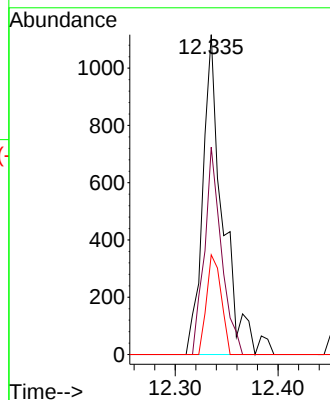
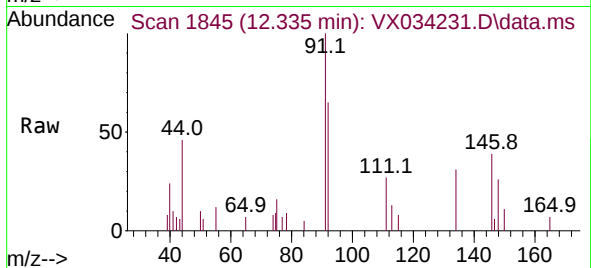
Tgt Ion: 91	Resp: 1520
Ion Ratio	Lower Upper
91	100
92	54.7 27.5 82.5
134	22.5 14.3 42.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#90

Hexachloroethane

Concen: 0.115 ug/l

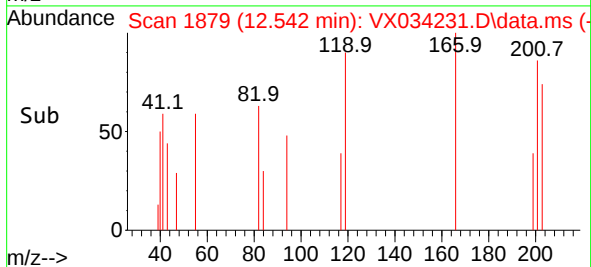
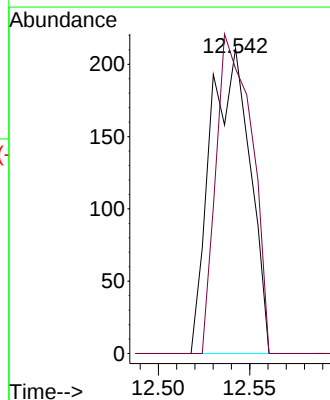
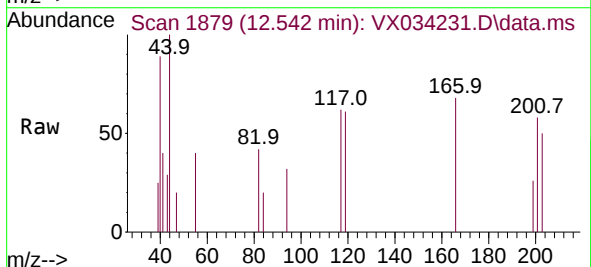
RT: 12.542 min Scan# 1879

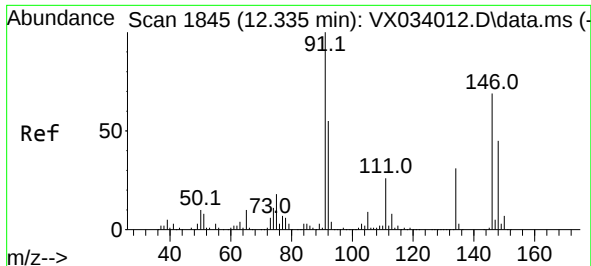
Delta R.T. 0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

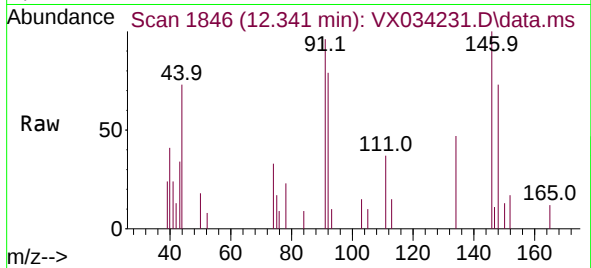
Tgt Ion: 117	Resp: 319
Ion Ratio	Lower Upper
117	100
201	93.7 45.1 135.3





#91
1,2-Dichlorobenzene
Concen: 0.132 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

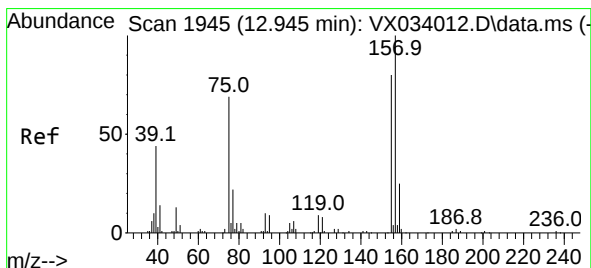
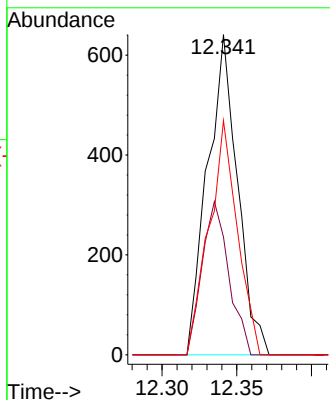
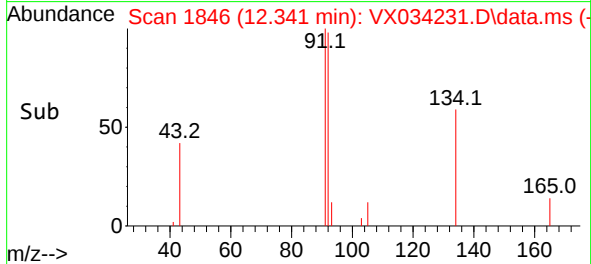
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:146 Resp: 89
Ion Ratio Lower Upper
146 100
111 42.6 19.3 57.8
148 69.3 32.3 96.9

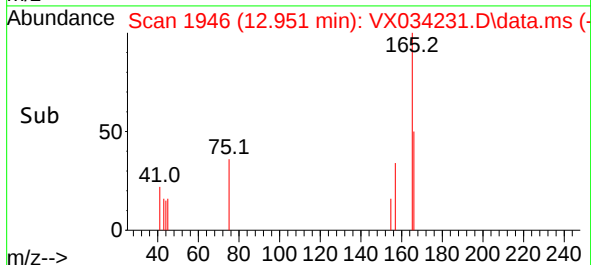
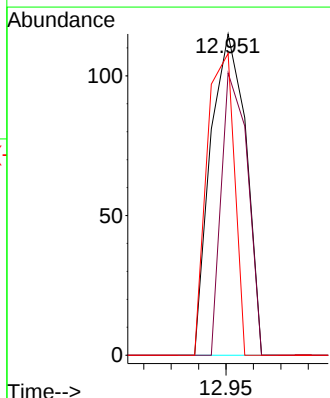
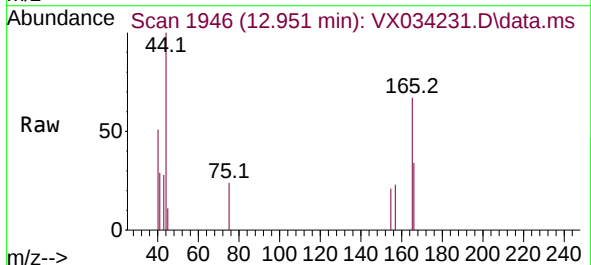
Manual Integrations
APPROVED

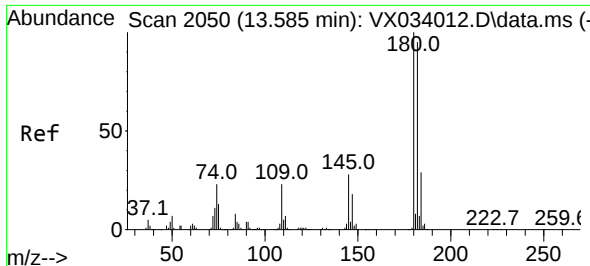
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.082 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion: 75 Resp: 103
Ion Ratio Lower Upper
75 100
155 65.0 51.7 155.1
157 72.8 67.5 202.3





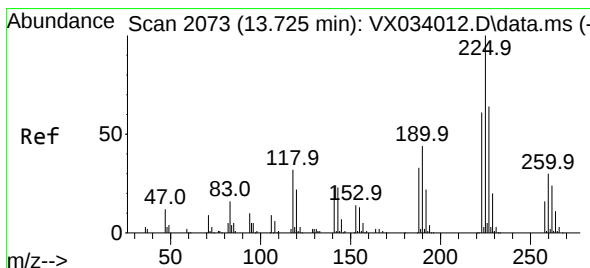
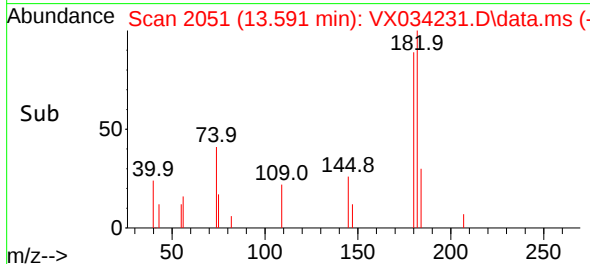
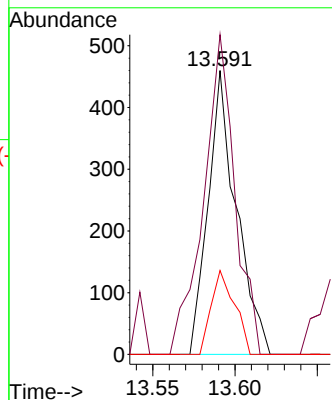
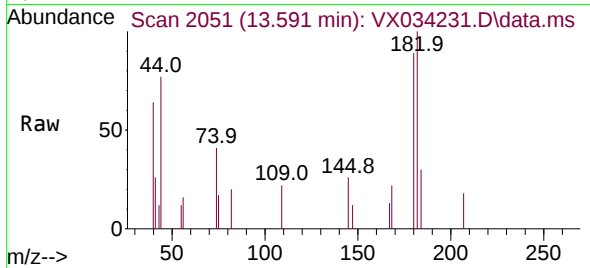
#93
1,2,4-Trichlorobenzene
Concen: 0.126 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

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

Tgt Ion:180 Resp: 549
Ion Ratio Lower Upper
180 100
182 124.6 47.9 143.6
145 24.6 14.1 42.2

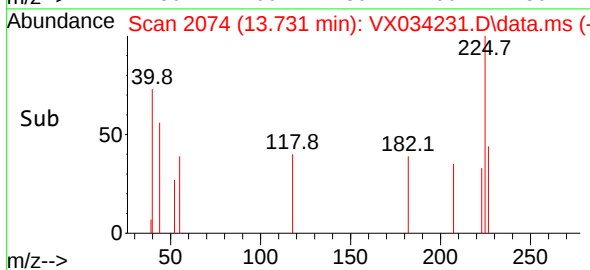
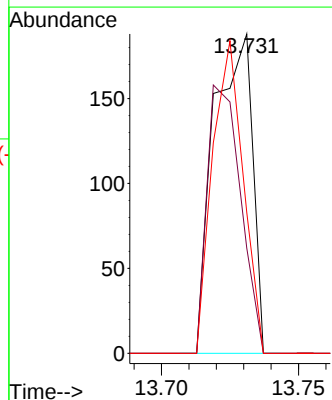
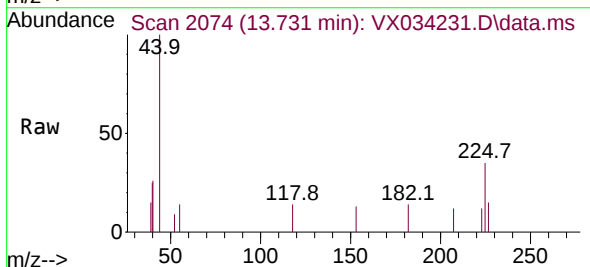
Manual Integrations
APPROVED

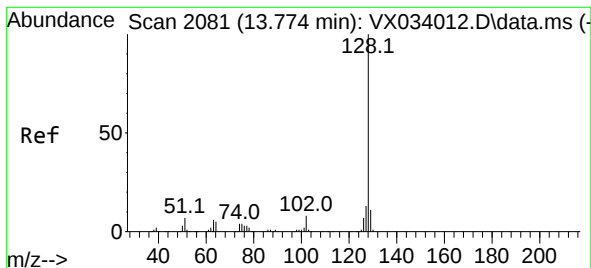
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#94
Hexachlorobutadiene
Concen: 0.101 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX034231.D
Acq: 22 Feb 2023 16:09

Tgt Ion:225 Resp: 182
Ion Ratio Lower Upper
225 100
223 74.2 31.3 93.9
227 78.6 32.3 96.9





#95

Naphthalene

Concen: 0.354 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2023

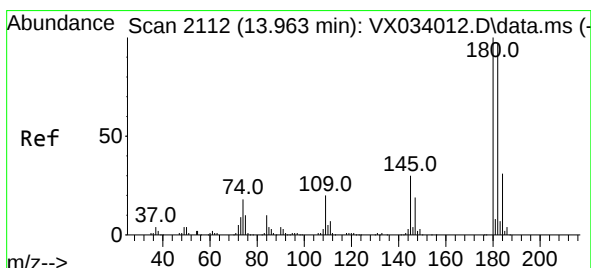
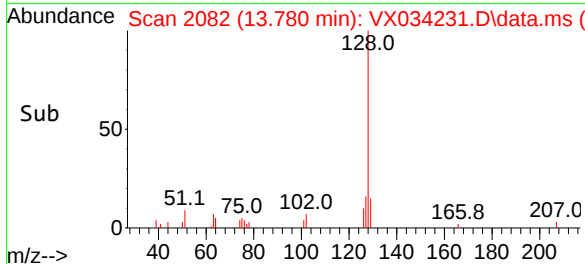
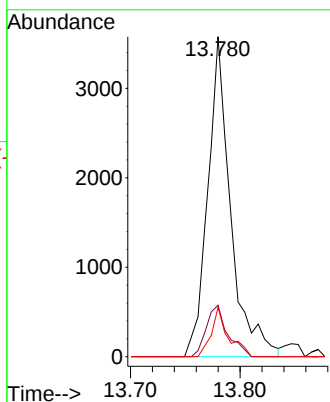
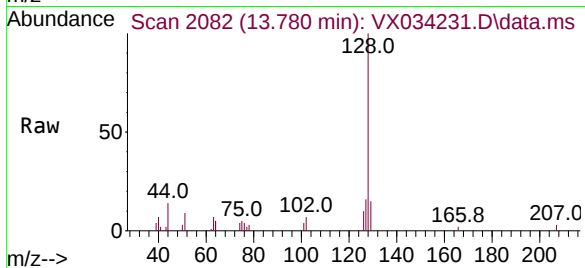
Tgt Ion:	128	Resp:	518
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.3	15.5
129	11.3	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#96

1,2,3-Trichlorobenzene

Concen: 0.145 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX034231.D

Acq: 22 Feb 2023 16:09

Tgt Ion:	180	Resp:	627
Ion Ratio	Lower	Upper	
180	100		
182	90.3	47.6	142.9
145	30.0	15.1	45.3

