

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112823\
 Data File : VX039048.D
 Acq On : 28 Nov 2023 11:46
 Operator : JC/MD
 Sample : 04699-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Nov 29 01:29:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	9995	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	78070	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	96744	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	40299	29.472	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.233%	
60) 4-Bromofluorobenzene	11.079	95	58996	27.920	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	93.067%	
63) Toluene-d8	8.647	98	109198	28.549	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	95.167%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3337	2.231	ug/l	95
3) Chloromethane	1.294	50	4485	2.618	ug/l	98
4) Vinyl Chloride	1.374	62	4777	2.762	ug/l	96
5) Bromomethane	1.605	94	3392	3.207	ug/l	90
6) Chloroethane	1.691	64	3243	3.220	ug/l	91
7) Trichlorofluoromethane	1.886	101	6525	2.734	ug/l	98
8) Diethyl Ether	2.130	74	2351	2.566	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	3435	2.547	ug/l	99
10) 1,1-Dichloroethene	2.325	96	3419	2.515	ug/l	86
11) Methyl Iodide	2.453	142	3371	2.263	ug/l	89
12) Methyl Acetate	2.697	43	10016	2.362	ug/l	96
13) Acrolein	2.233	56	4925	13.259	ug/l	87
14) Acrylonitrile	3.062	53	13128	12.659	ug/l	98
15) Acetone	2.373	58	6887	18.269	ug/l	79
16) Carbon Disulfide	2.514	76	10525	2.556	ug/l	99
17) Allyl chloride	2.666	41	7335	2.718	ug/l	89
18) Methylene Chloride	2.788	84	4613	2.862	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	3808	2.477	ug/l	96
20) Diisopropyl ether	3.751	45	13299	2.589	ug/l #	80
21) 1,1-Dichloroethane	3.605	63	7903	2.767	ug/l #	92
22) cis-1,2-Dichloroethene	4.489	96	4395	2.466	ug/l #	58
23) tert-Butyl Alcohol	2.946	59	6942m	12.091	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	12762	2.548	ug/l	91
25) Chloroform	5.086	83	7416	2.587	ug/l	85
26) Cyclohexane	5.470	56	7014m	2.714	ug/l	
29) 1,1-Dichloropropene	5.690	75	5705	2.607	ug/l	87
30) 2-Butanone	4.550	43	24898	15.110	ug/l #	94
31) 2,2-Dichloropropane	4.471	77	6480	2.590	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	6410	2.534	ug/l	92
33) Carbon Tetrachloride	5.672	117	4980	2.337	ug/l	96
34) Benzene	6.037	78	16274	2.553	ug/l	93
35) Methacrylonitrile	4.916	41	3542	2.427	ug/l	84
36) 1,2-Dichloroethane	6.092	62	6249	2.671	ug/l #	94
37) Trichloroethene	7.123	130	3812m	2.356	ug/l	
38) Methylcyclohexane	7.379	83	7007	2.570	ug/l	98
39) 1,2-Dichloropropane	7.427	63	4388	2.610	ug/l	97
40) Dibromomethane	7.586	93	2943	2.477	ug/l	75
41) Bromodichloromethane	7.824	83	5627	2.466	ug/l #	88
42) Vinyl Acetate	3.721	43	49764	12.680	ug/l	99

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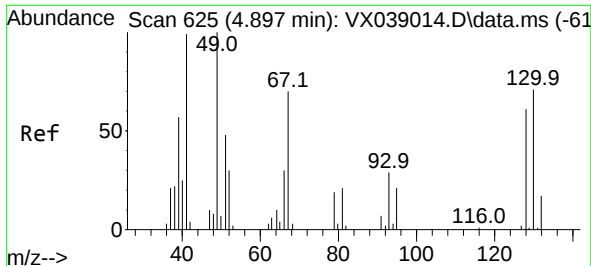
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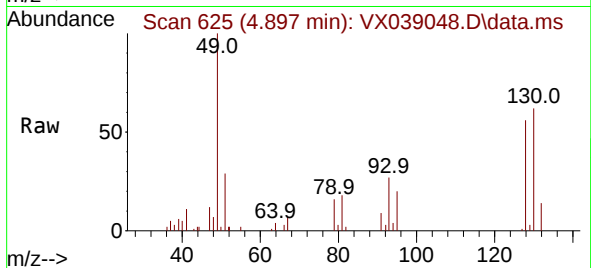
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	6459	2.278	ug/l	94
44) Isopropyl Acetate	6.336	43	11060	2.475	ug/l	100
45) 1,4-Dioxane	7.659	88	2170	47.567	ug/l	95
46) Methyl methacrylate	7.696	41	6204	2.428	ug/l	99
47) n-amyl Acetate	10.841	43	7707	2.038	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	5989	2.263	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	6707	2.457	ug/l	93
50) 1,1,2-Trichloroethane	9.147	97	4088	2.533	ug/l #	87
51) Ethyl methacrylate	9.116	69	4620	2.287	ug/l	90
52) 1,3-Dichloropropane	9.305	76	6713	2.426	ug/l	97
53) Dibromochloromethane	9.518	129	3621	2.089	ug/l	95
54) 1,2-Dibromoethane	9.610	107	4389	2.480	ug/l	92
55) 2-Chloroethyl vinyl ether	8.238	63	15634	12.210	ug/l	97
56) Bromoform	10.799	173	2189	1.750	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	36356	12.392	ug/l	98
59) 2-Hexanone	9.427	43	32445	13.473	ug/l	99
61) Tetrachloroethene	9.275	164	3274	2.603	ug/l	94
62) Toluene	8.714	91	17069	2.485	ug/l	96
64) Chlorobenzene	10.079	112	11227	2.687	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	3775	2.509	ug/l	99
66) Ethyl Benzene	10.195	91	21014	2.687	ug/l	96
67) m/p-Xylenes	10.299	106	13938	4.823	ug/l	96
68) o-Xylene	10.640	106	6627	2.367	ug/l	97
69) Styrene	10.659	104	9375	2.263	ug/l	95
70) Isopropylbenzene	10.963	105	17902	2.390	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	6588	2.356	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	6017m	2.543	ug/l	
73) Bromobenzene	11.195	156	4016	2.355	ug/l	97
74) n-propylbenzene	11.305	91	21914	2.388	ug/l	100
75) 2-Chlorotoluene	11.366	91	13690	2.543	ug/l	92
76) 1,3,5-Trimethylbenzene	11.451	105	14886	2.307	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	1627	1.735	ug/l	81
78) 4-Chlorotoluene	11.457	91	15336	2.423	ug/l	97
79) tert-butylbenzene	11.713	119	14522	2.367	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	14867	2.302	ug/l	99
81) sec-Butylbenzene	11.890	105	18315	2.361	ug/l	99
82) p-Isopropyltoluene	12.012	119	15118	2.300	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	7696	2.358	ug/l	96
84) 1,4-Dichlorobenzene	12.042	146	7777	2.322	ug/l	98
85) n-Butylbenzene	12.329	91	15146	2.333	ug/l	96
86) Hexachloroethane	12.530	117	2325	1.867	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	7506	2.392	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1489	2.082	ug/l #	84
89) 1,2,4-Trichlorobenzene	13.585	180	4406	2.118	ug/l	93
90) Hexachlorobutadiene	13.725	225	1524	2.051	ug/l	89
91) Naphthalene	13.774	128	16419	2.140	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	4459	2.213	ug/l	95

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

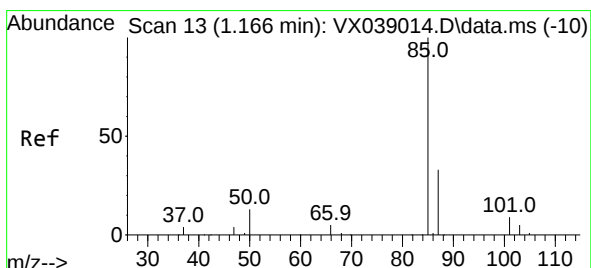
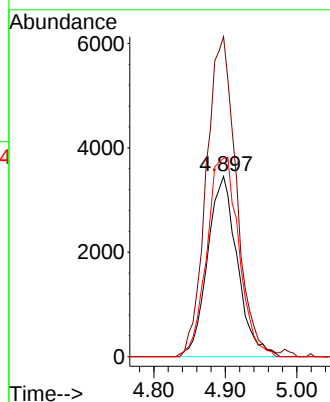
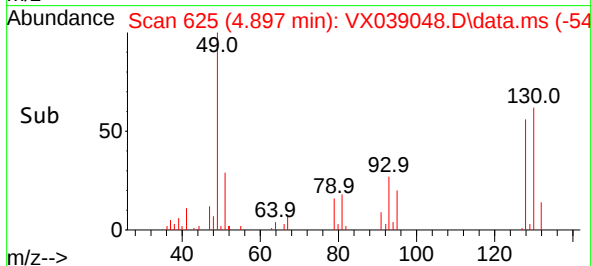
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:128 Resp: 999
Ion Ratio Lower Upper
128 100
49 179.0 0.0 444.0
130 118.6 0.0 297.8

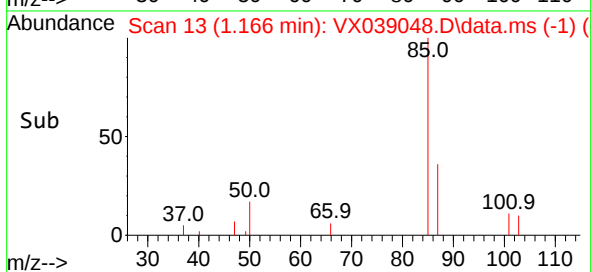
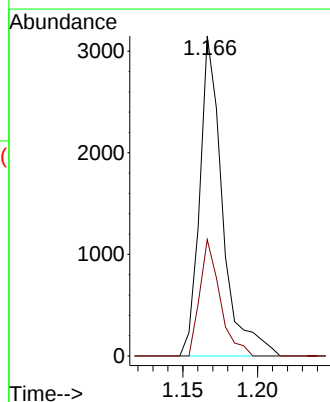
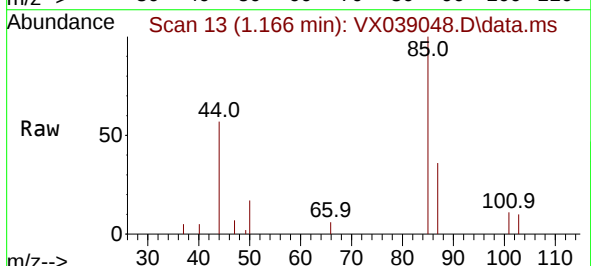
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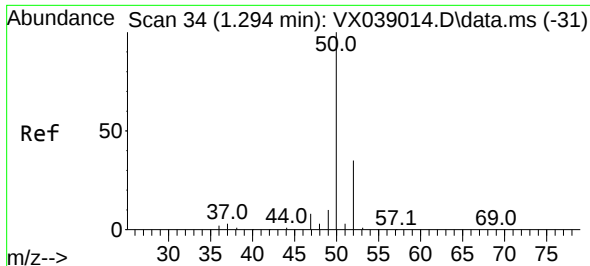
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#2
Dichlorodifluoromethane
Concen: 2.231 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

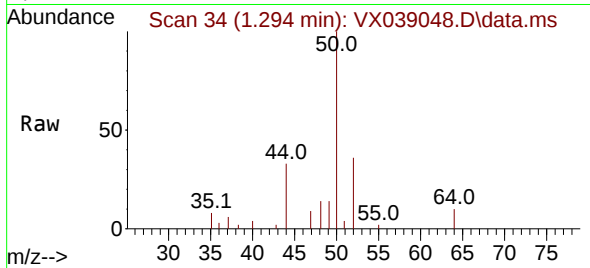
Tgt Ion: 85 Resp: 3337
Ion Ratio Lower Upper
85 100
87 36.3 16.7 50.1





#3
Chloromethane
Concen: 2.618 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

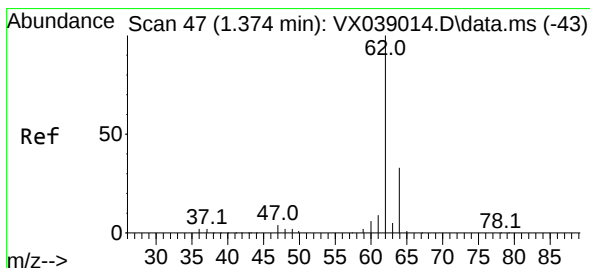
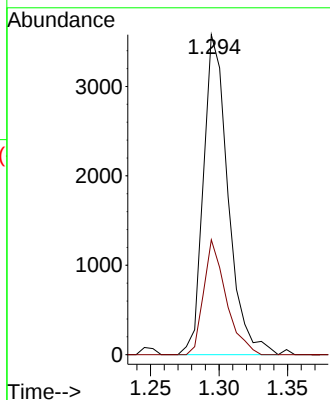
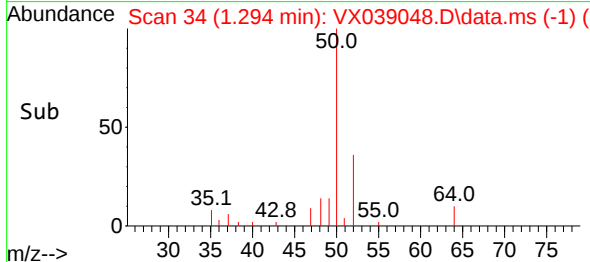
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



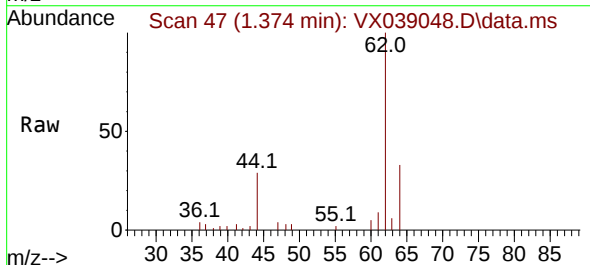
Tgt Ion: 50 Resp: 4485
Ion Ratio Lower Upper
50 100
52 35.9 27.8 41.8

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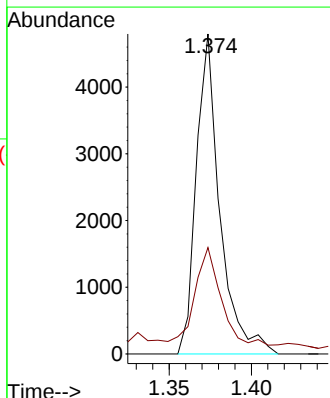
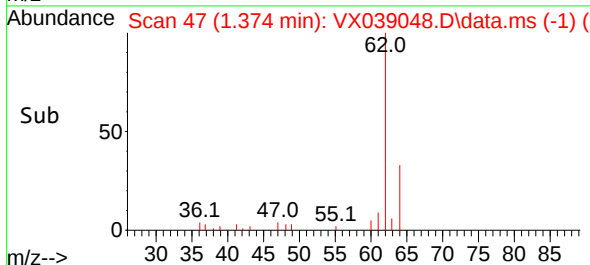
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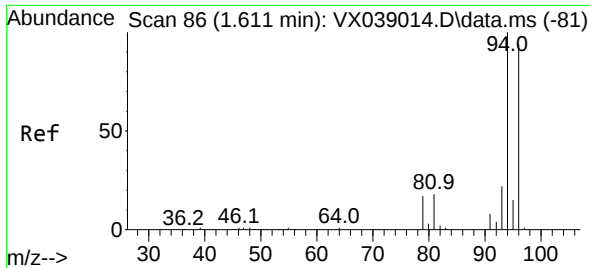


#4
Vinyl Chloride
Concen: 2.762 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion: 62 Resp: 4777
Ion Ratio Lower Upper
62 100
64 30.4 26.3 39.5





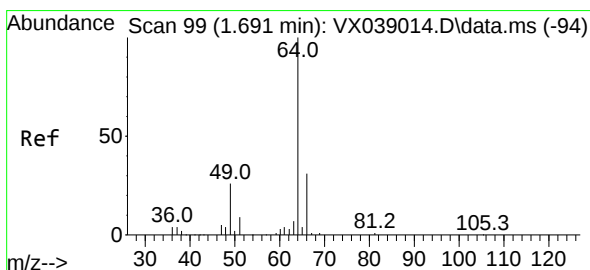
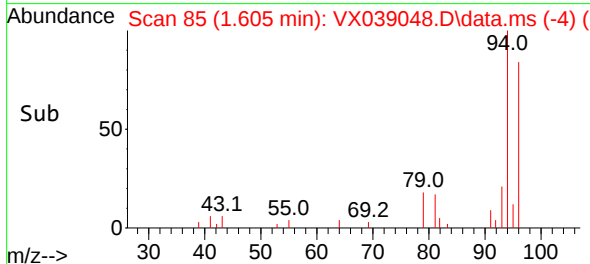
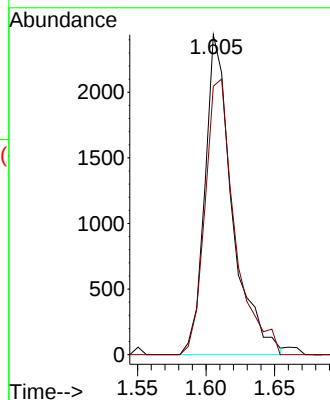
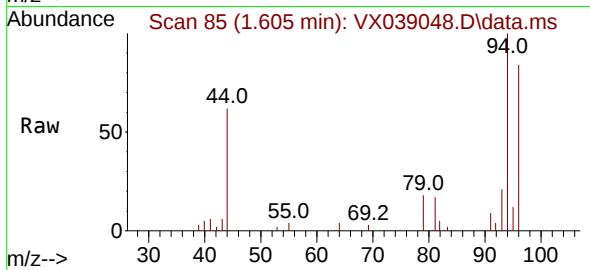
#5
Bromomethane
Concen: 3.207 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX039048.D
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Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 94 Resp: 3392
Ion Ratio Lower Upper
94 100
96 83.9 74.9 112.3

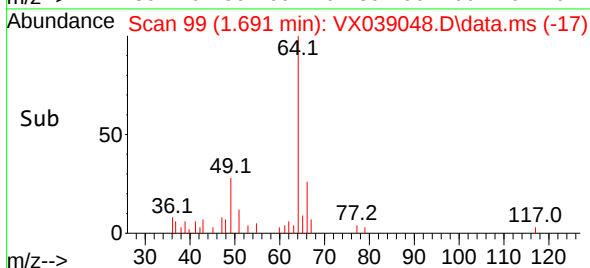
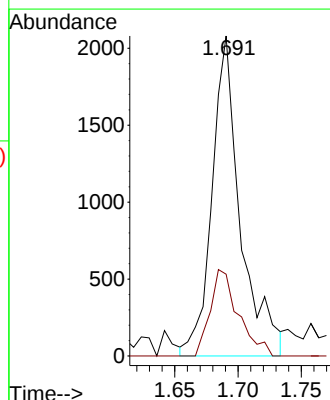
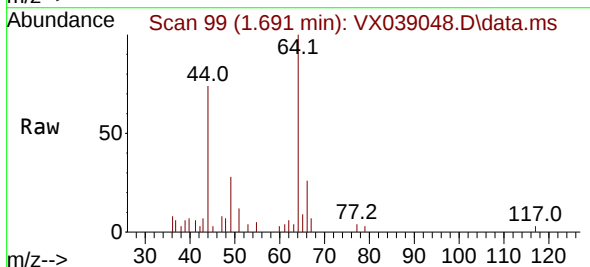
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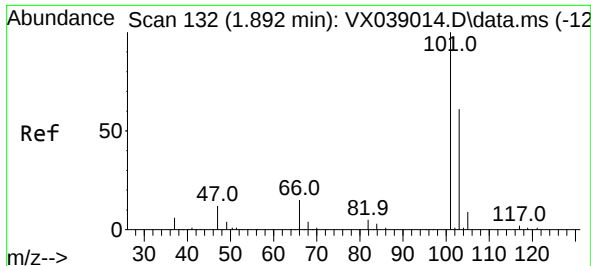
Reviewed By :John Carlone 11/29/2023
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#6
Chloroethane
Concen: 3.220 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 64 Resp: 3243
Ion Ratio Lower Upper
64 100
66 26.3 25.0 37.6





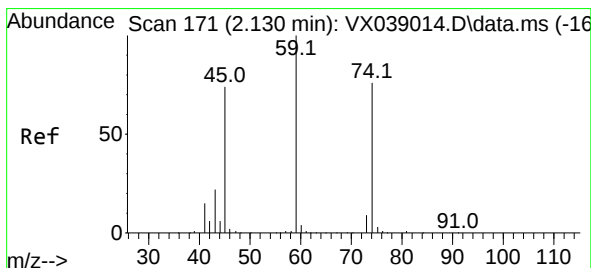
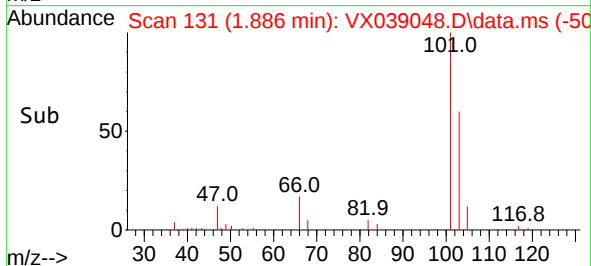
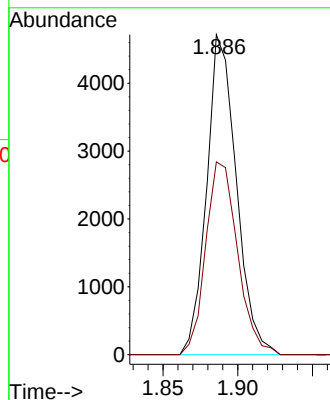
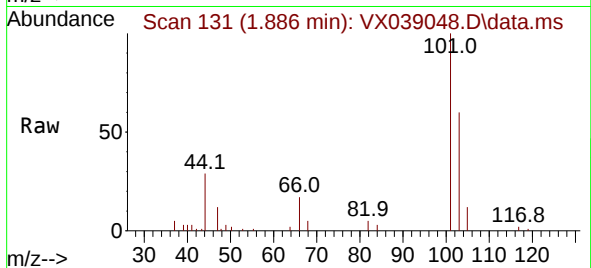
#7
Trichlorofluoromethane
Concen: 2.734 ug/l
RT: 1.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:101 Resp: 652
Ion Ratio Lower Upper
101 100
103 60.2 49.1 73.7

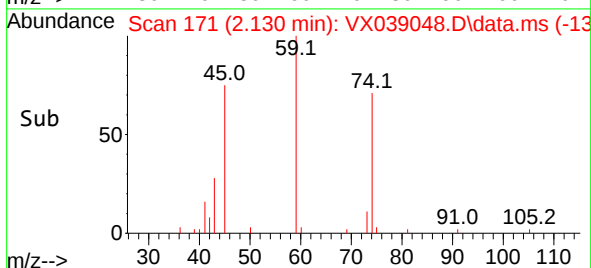
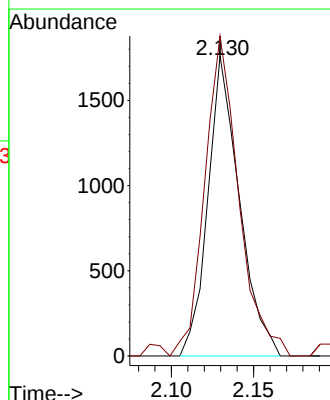
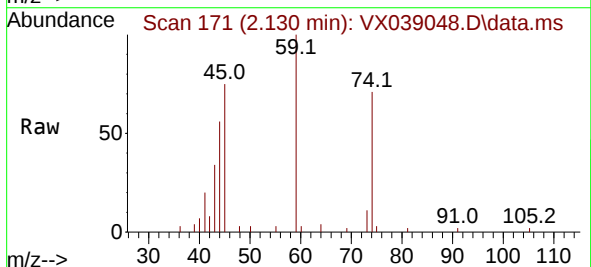
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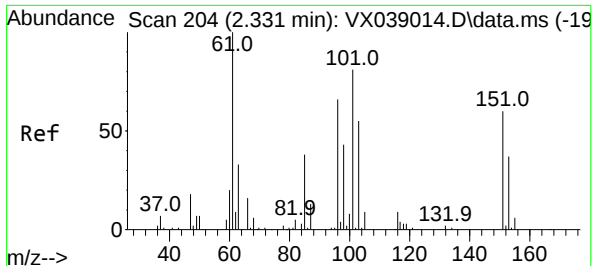
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#8
Diethyl Ether
Concen: 2.566 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 74 Resp: 2351
Ion Ratio Lower Upper
74 100
45 114.7 20.5 184.5





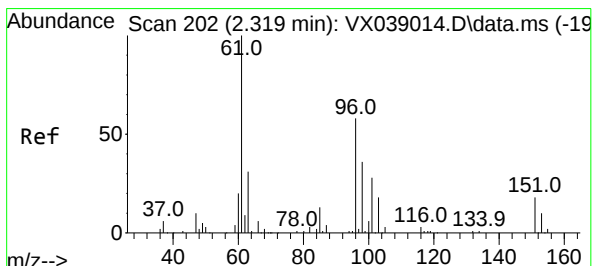
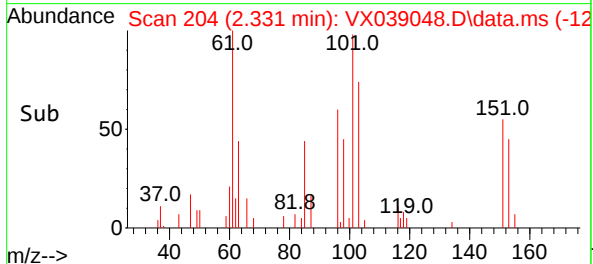
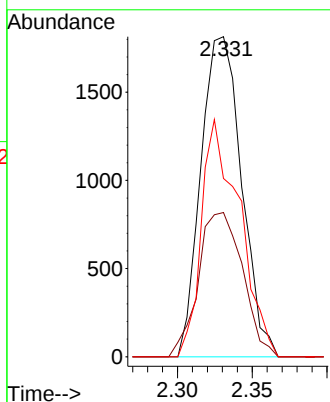
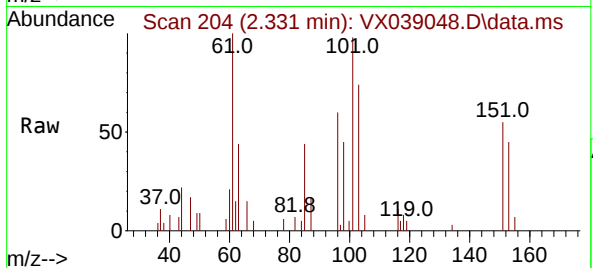
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.547 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 101 Resp: 343
Ion Ratio Lower Upper
101 100
85 49.0 0.0 95.2
151 69.2 0.0 136.8

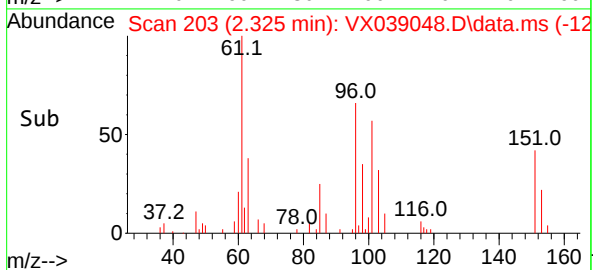
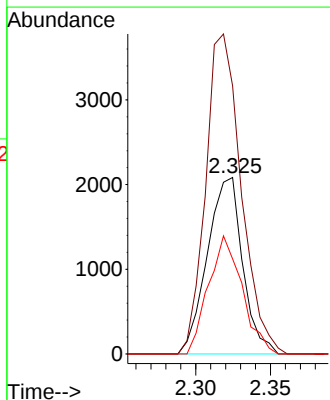
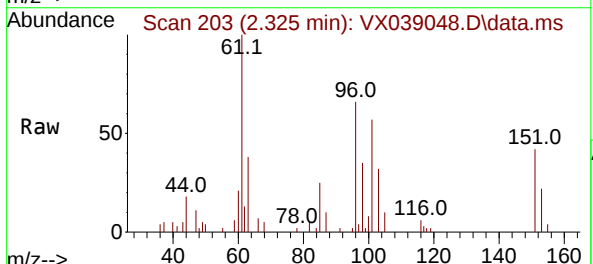
Manual Integrations
APPROVED

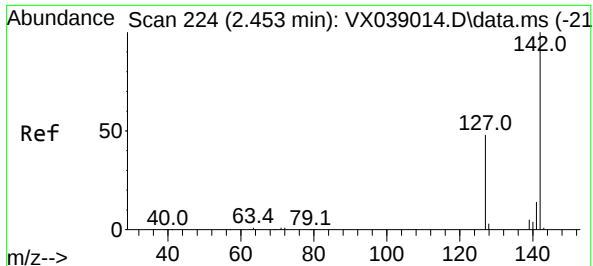
Reviewed By : John Carlone 11/29/2023
Supervised By : Mahesh Dadoda 11/29/2023



#10
1,1-Dichloroethene
Concen: 2.515 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 96 Resp: 3419
Ion Ratio Lower Upper
96 100
61 152.0 138.3 207.5
98 53.9 49.8 74.6





#11

Methyl Iodide

Concen: 2.263 ug/l

RT: 2.453 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

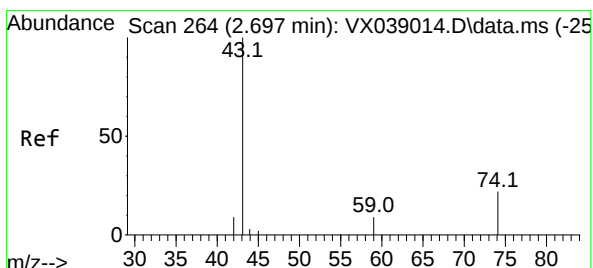
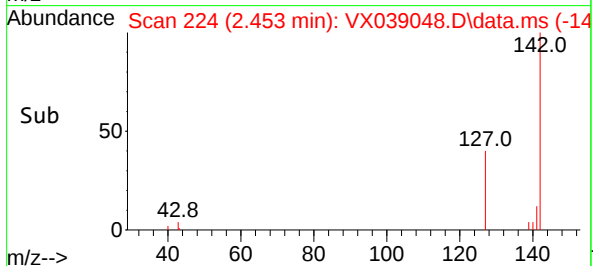
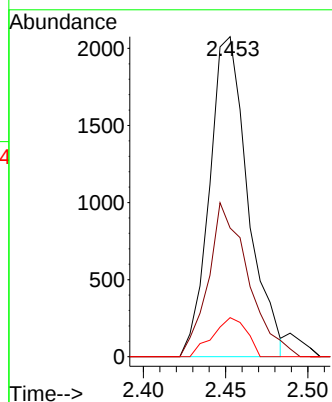
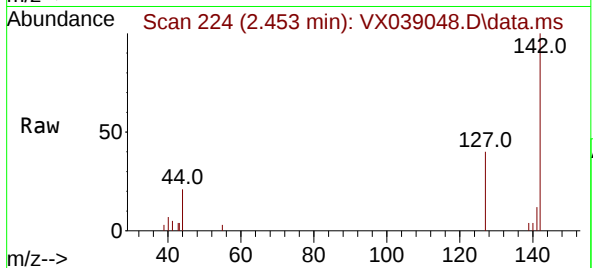
Tgt Ion:	142	Resp:	337
Ion	Ratio	Lower	Upper
142	100		
127	38.8	23.8	71.4
141	12.6	6.9	20.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#12

Methyl Acetate

Concen: 2.362 ug/l

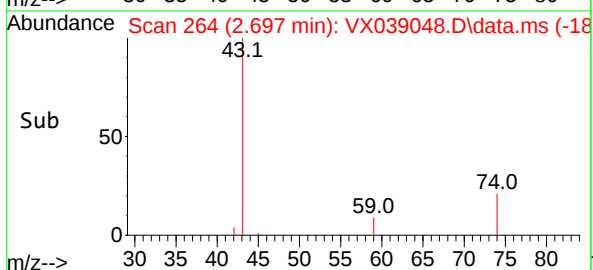
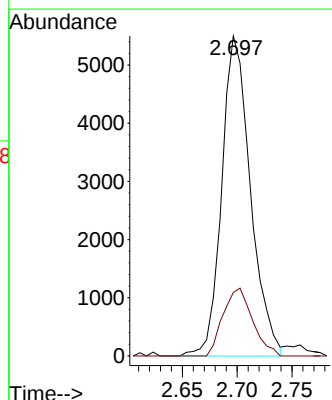
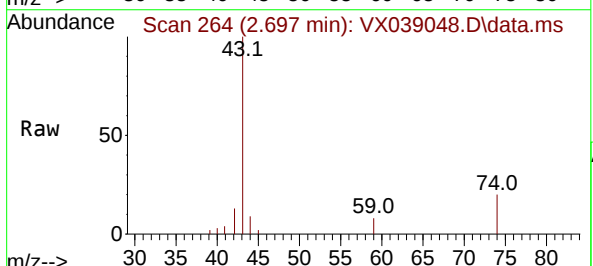
RT: 2.697 min Scan# 264

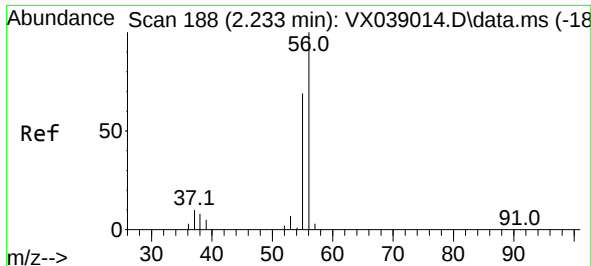
Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

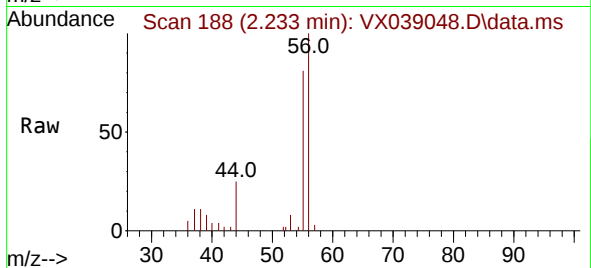
Tgt Ion:	43	Resp:	10016
Ion	Ratio	Lower	Upper
43	100		
74	20.1	17.8	26.6





#13
Acrolein
Concen: 13.259 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

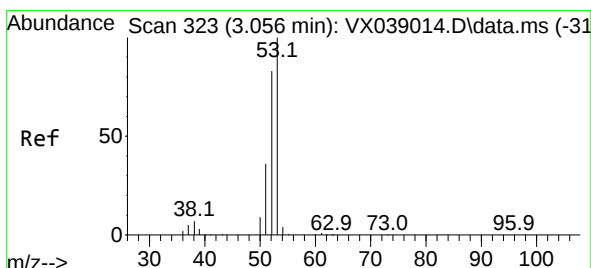
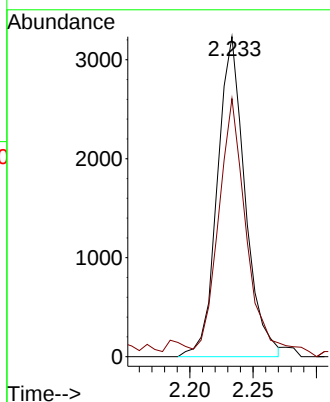
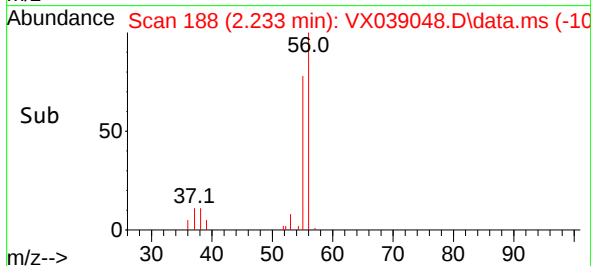
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



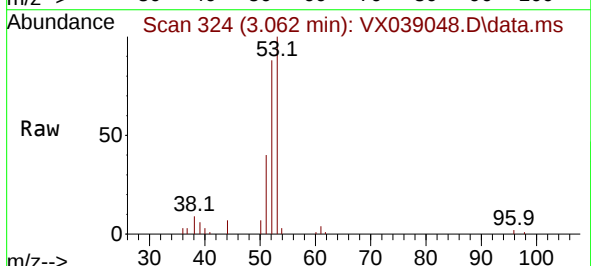
Tgt Ion: 56 Resp: 492
Ion Ratio Lower Upper
56 100
55 82.7 57.2 85.8

Manual Integrations
APPROVED

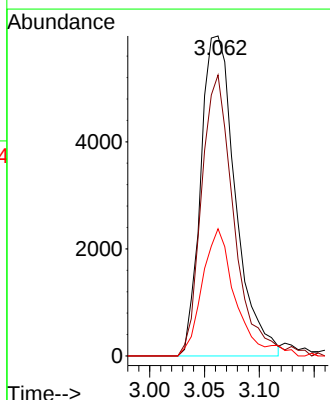
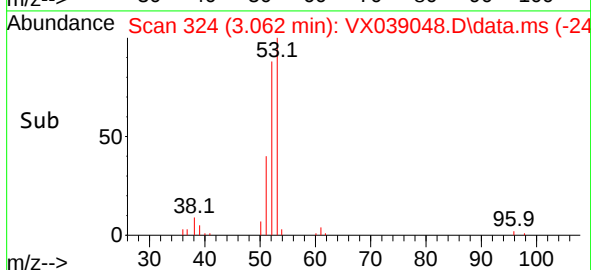
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

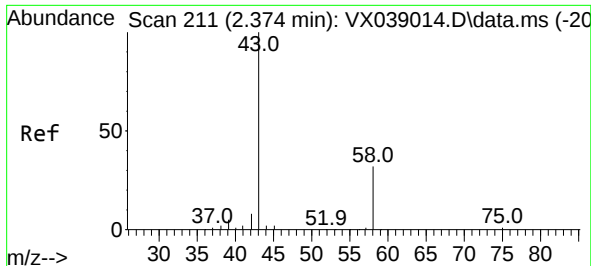


#14
Acrylonitrile
Concen: 12.659 ug/l
RT: 3.062 min Scan# 324
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion: 53 Resp: 13128
Ion Ratio Lower Upper
53 100
52 81.5 41.9 125.6
51 36.6 18.3 54.9





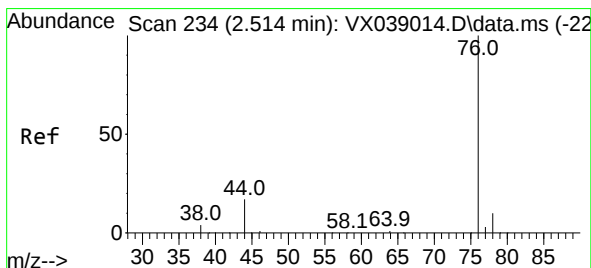
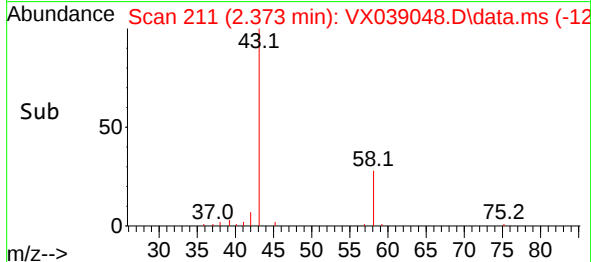
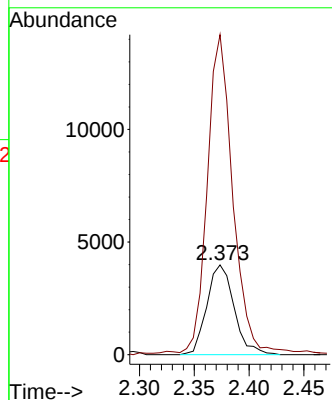
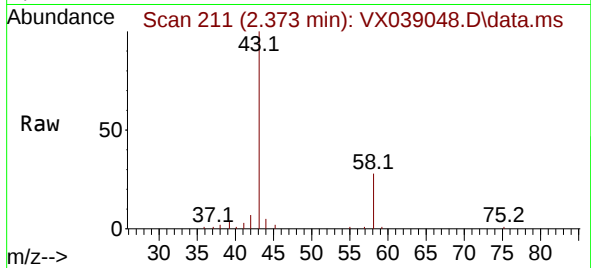
#15
Acetone
Concen: 18.269 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 58 Resp: 688
Ion Ratio Lower Upper
58 100
43 354.2 249.9 374.9

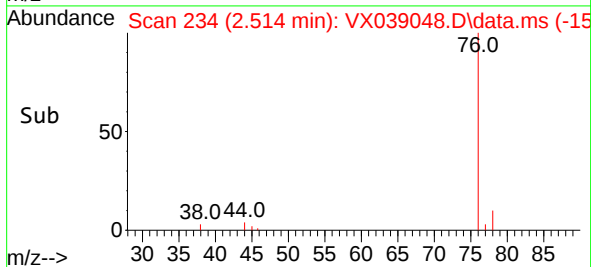
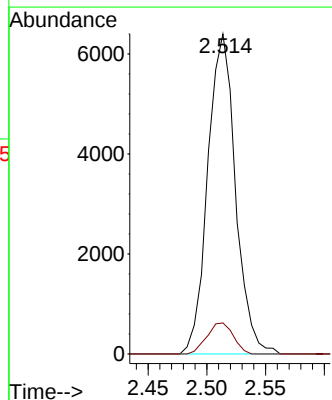
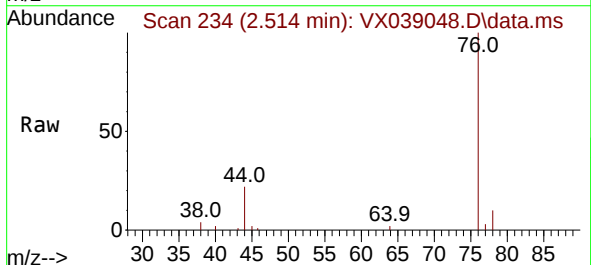
Manual Integrations
APPROVED

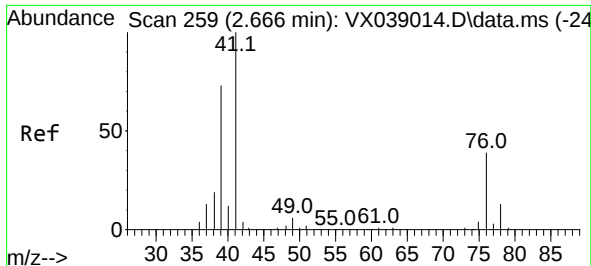
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#16
Carbon Disulfide
Concen: 2.556 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 76 Resp: 10525
Ion Ratio Lower Upper
76 100
78 9.7 8.0 12.0





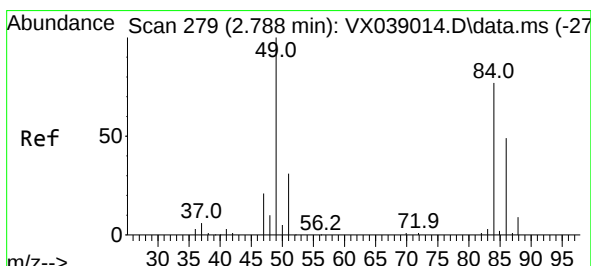
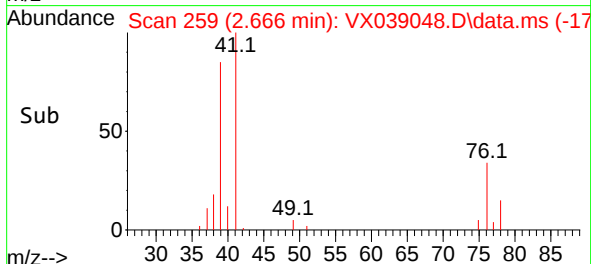
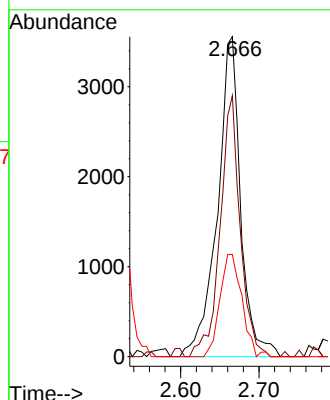
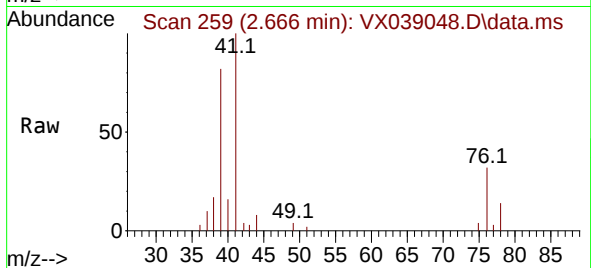
#17
 Allyl chloride
 Concen: 2.718 ug/l
 RT: 2.666 min Scan# 259
 Delta R.T. -0.000 min
 Lab File: VX039048.D
 Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:	41	Resp:	733
Ion	Ratio	Lower	Upper
41	100		
39	81.6	36.5	109.5
76	31.9	19.7	59.0

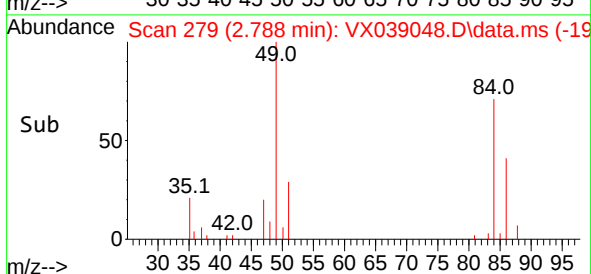
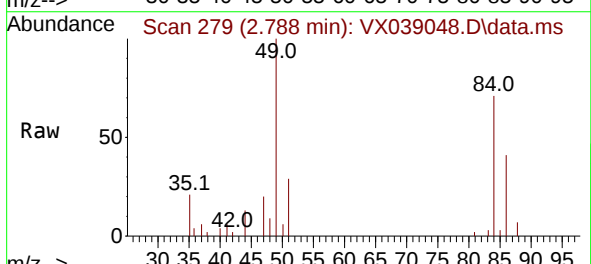
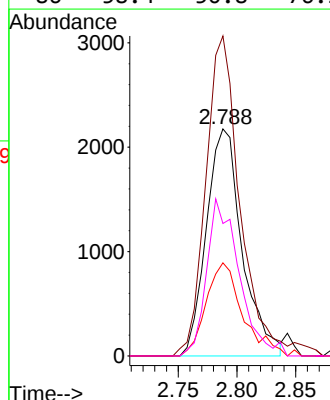
Manual Integrations
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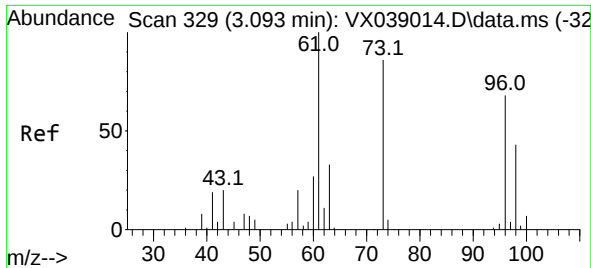
Reviewed By :John Carlone 11/29/2023
 Supervised By :Mahesh Dadoda 11/29/2023



#18
 Methylene Chloride
 Concen: 2.862 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. -0.000 min
 Lab File: VX039048.D
 Acq: 28 Nov 2023 11:46

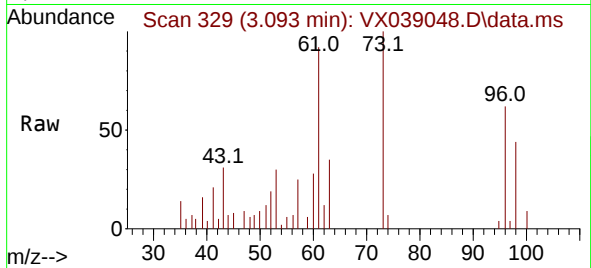
Tgt Ion:	84	Resp:	4613
Ion	Ratio	Lower	Upper
84	100		
49	137.7	103.8	155.8
51	41.0	31.8	47.6
86	58.4	50.8	76.2





#19
trans-1,2-Dichloroethene
Concen: 2.477 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

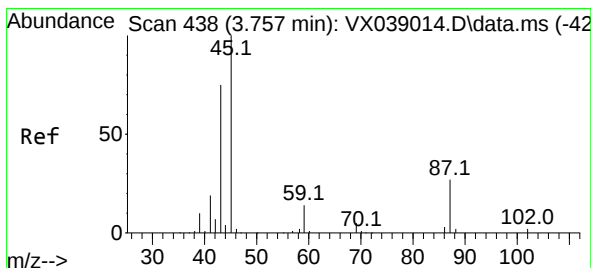
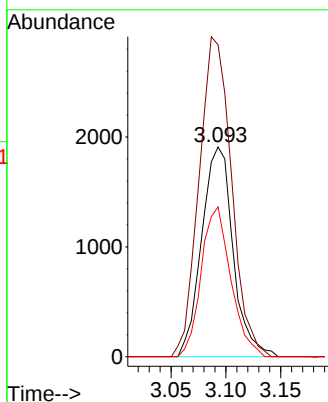
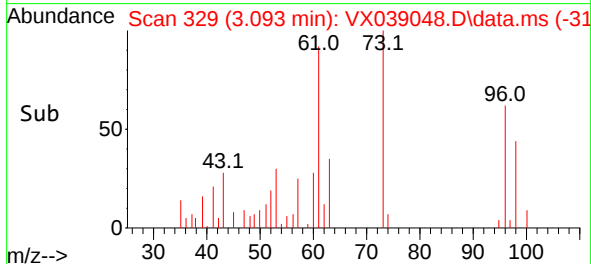
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



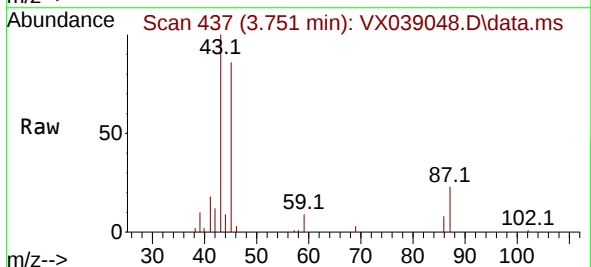
Tgt Ion: 96 Resp: 3808
Ion Ratio Lower Upper
96 100
61 148.6 117.9 176.9
98 71.4 51.0 76.6

Manual Integrations
APPROVED

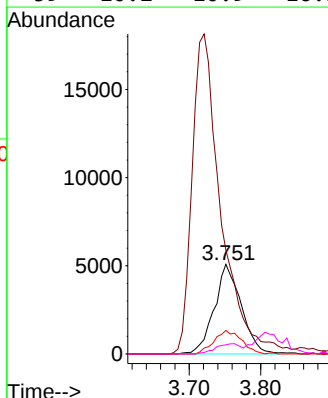
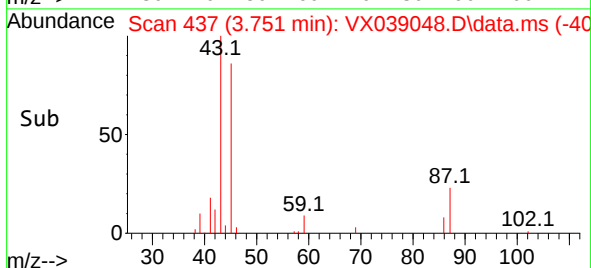
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

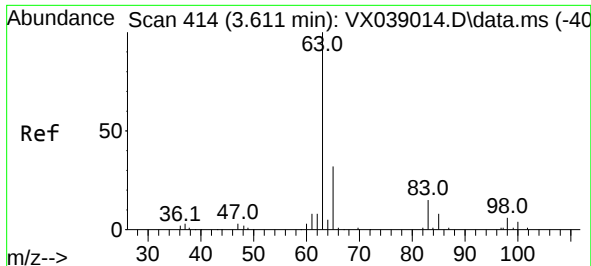


#20
Diisopropyl ether
Concen: 2.589 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion: 45 Resp: 13299
Ion Ratio Lower Upper
45 100
43 110.4 67.7 101.5#
87 26.3 21.5 32.3
59 10.2 10.9 16.3#





#21

1,1-Dichloroethane

Concen: 2.767 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

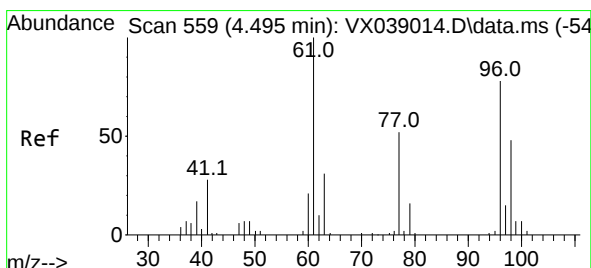
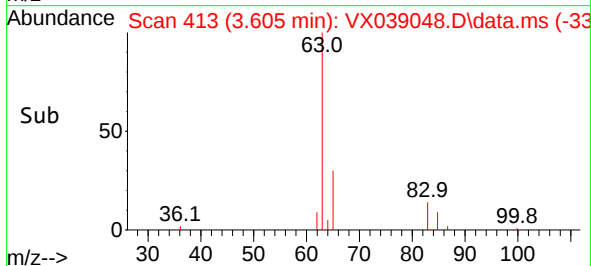
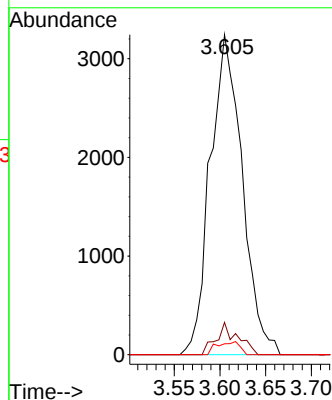
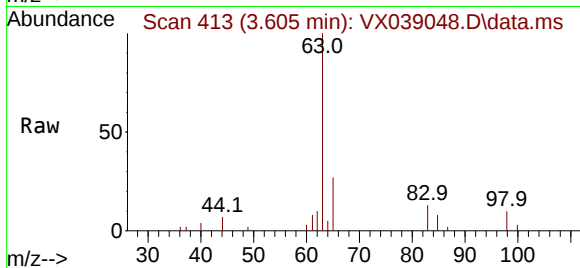
ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 63	Resp: 790
Ion Ratio	Lower Upper
63 100	
98 10.1	2.9 8.8
100 3.4	2.0 5.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#22

cis-1,2-Dichloroethene

Concen: 2.466 ug/l

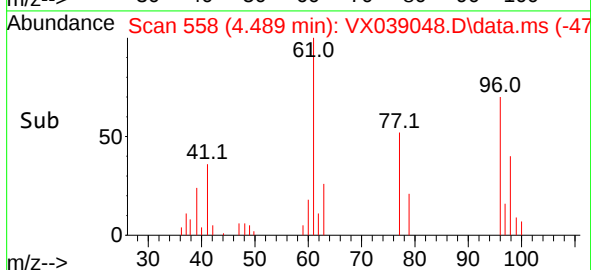
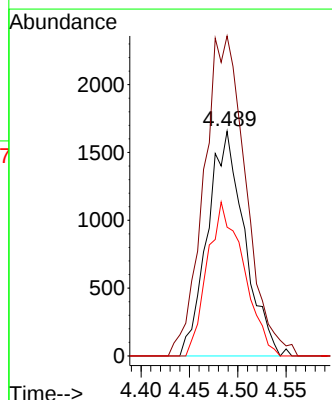
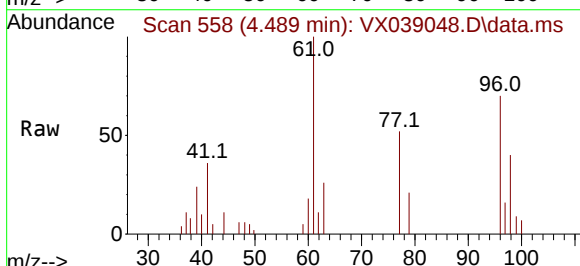
RT: 4.489 min Scan# 558

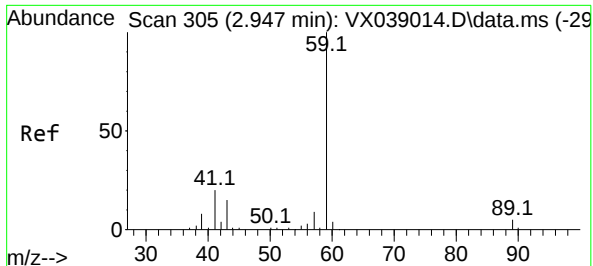
Delta R.T. -0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Tgt Ion: 96	Resp: 4395
Ion Ratio	Lower Upper
96 100	
61 77.2	119.8 179.6
98 67.5	50.9 76.3





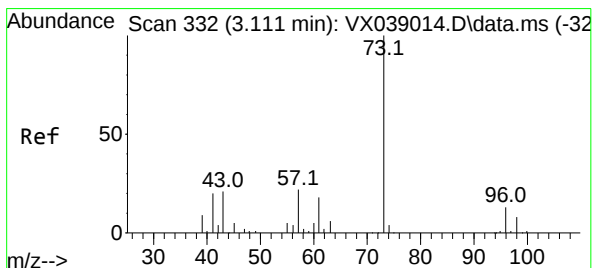
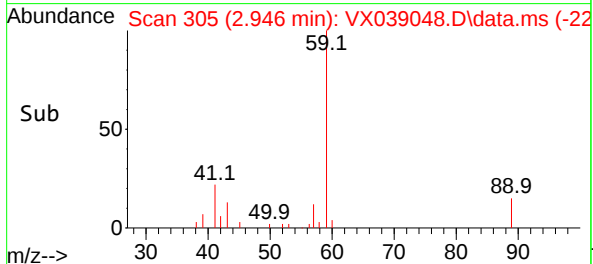
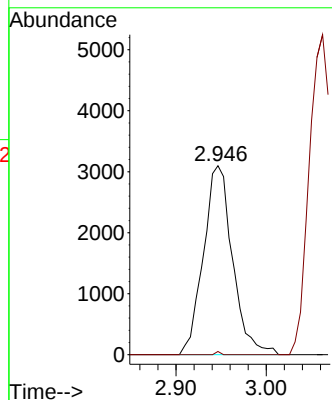
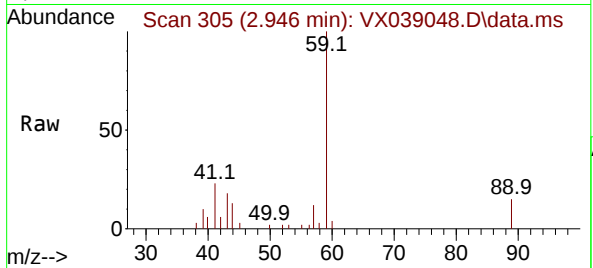
#23
tert-Butyl Alcohol
Concen: 12.091 ug/l m
RT: 2.946 min Scan# 305
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 59 Resp: 6942
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

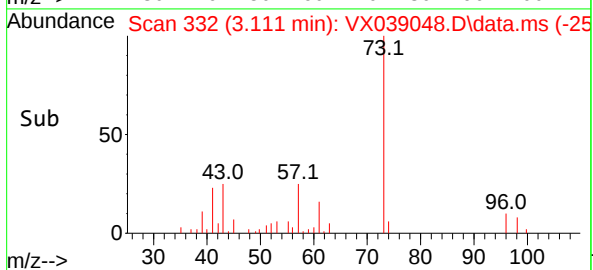
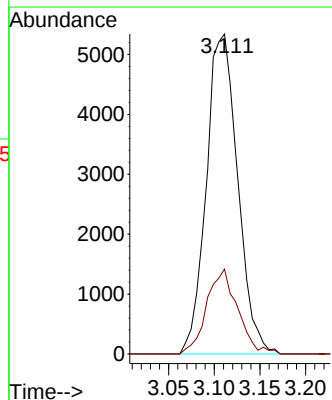
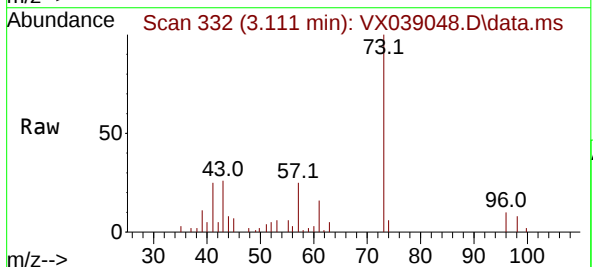
Manual Integrations
APPROVED

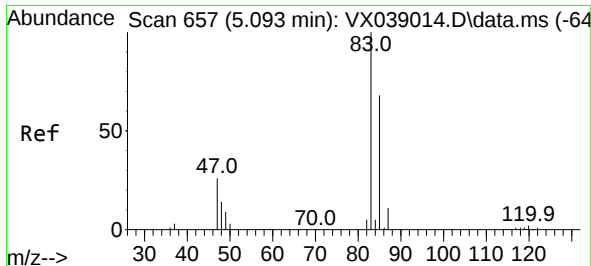
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#24
Methyl tert-Butyl Ether
Concen: 2.548 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 73 Resp: 12762
Ion Ratio Lower Upper
73 100
43 25.5 17.0 25.6





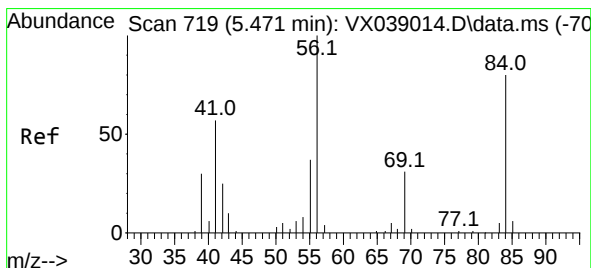
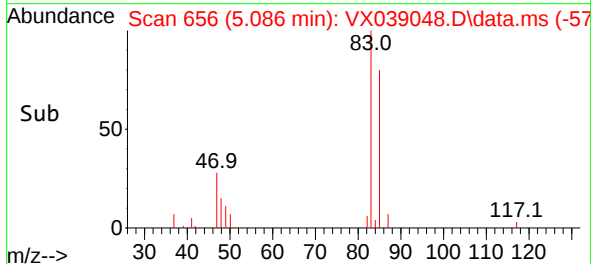
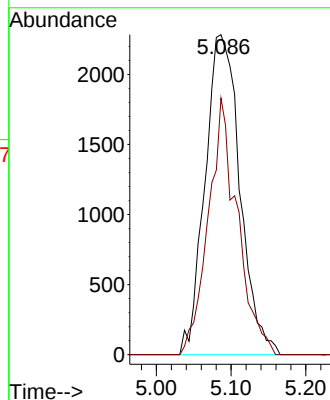
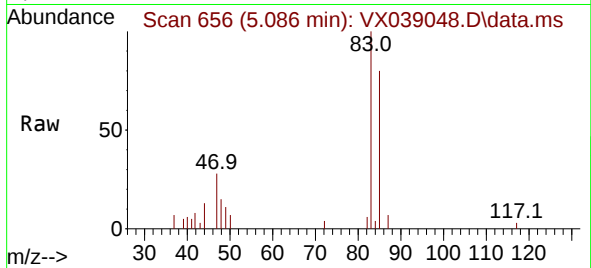
#25
Chloroform
Concen: 2.587 ug/l
RT: 5.086 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 83 Resp: 7410
Ion Ratio Lower Upper
83 100
85 80.2 54.6 81.8

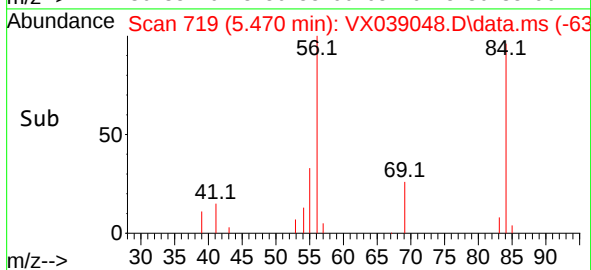
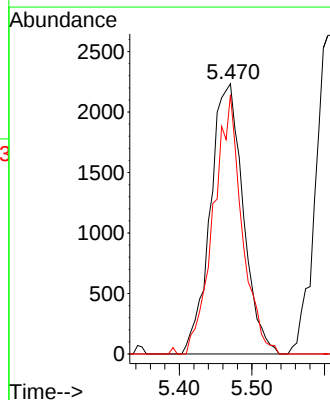
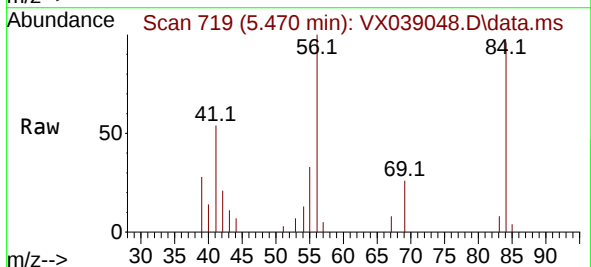
Manual Integrations
APPROVED

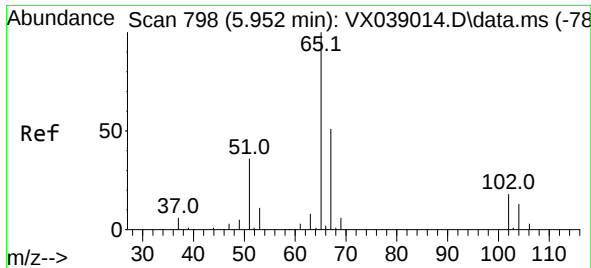
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#26
Cyclohexane
Concen: 2.714 ug/l m
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 56 Resp: 7014
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 83.6 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 29.472 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 65 Resp: 40299

Ion Ratio Lower Upper

65 100

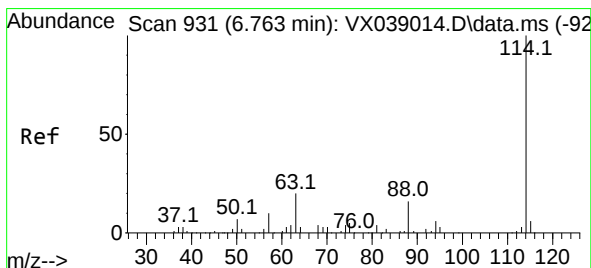
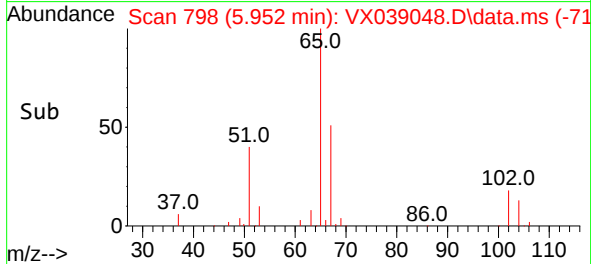
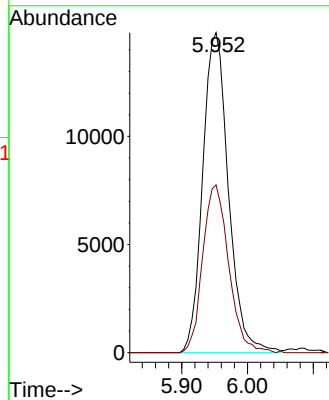
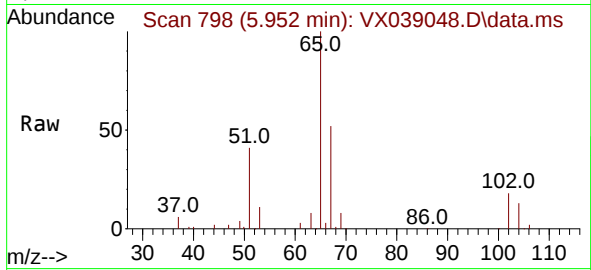
67 53.1 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

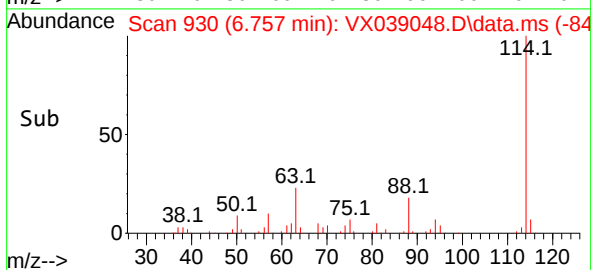
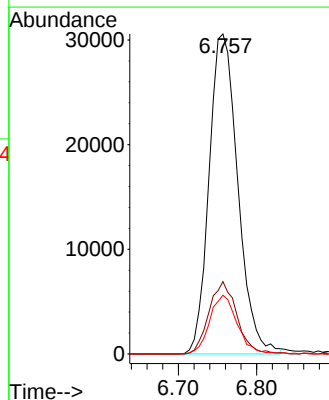
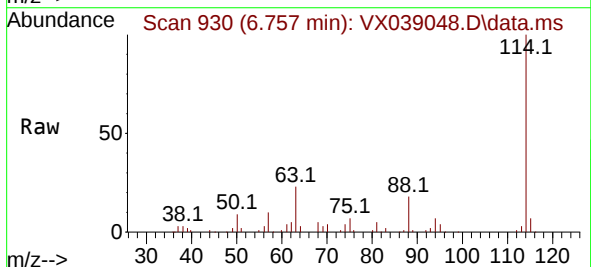
Tgt Ion:114 Resp: 78070

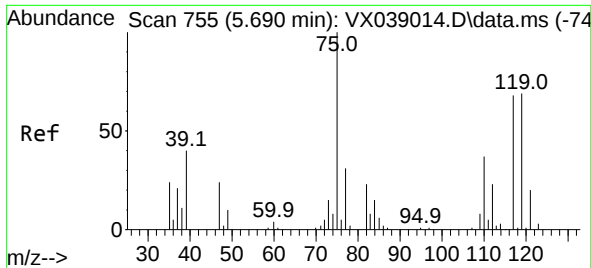
Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

88 17.6 12.7 19.1





#29

1,1-Dichloropropene

Concen: 2.607 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

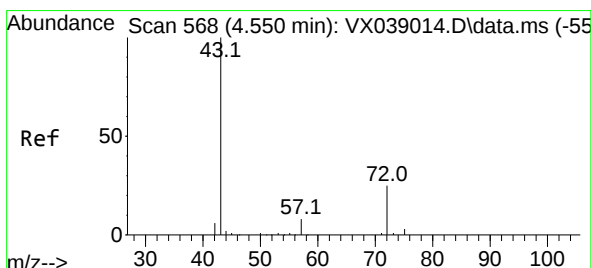
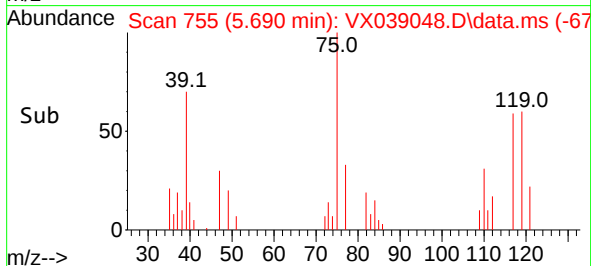
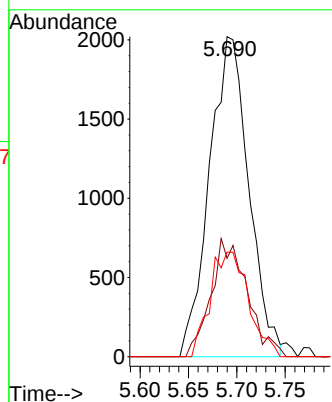
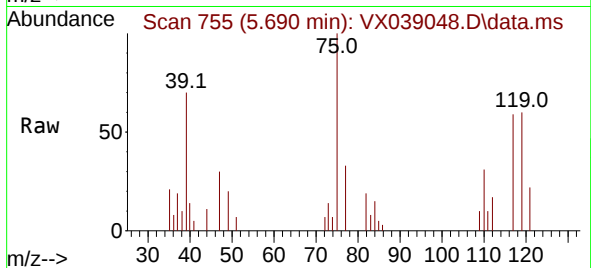
Tgt Ion: 75	Resp: 570
Ion Ratio	Lower Upper
75 100	
110 32.3	0.0 71.2
77 20.0	0.0 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#30

2-Butanone

Concen: 15.110 ug/l

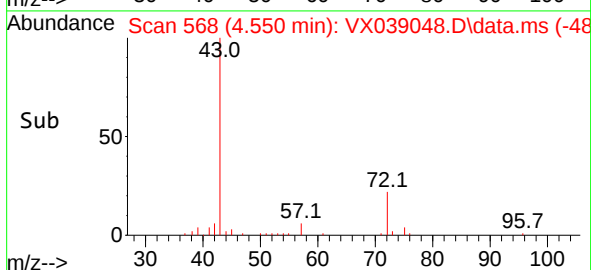
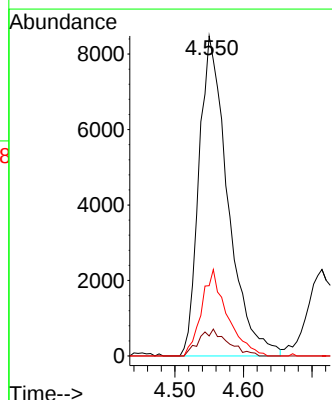
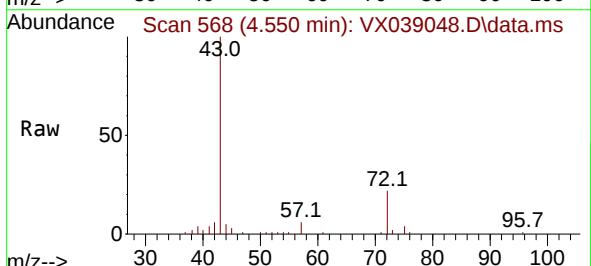
RT: 4.550 min Scan# 568

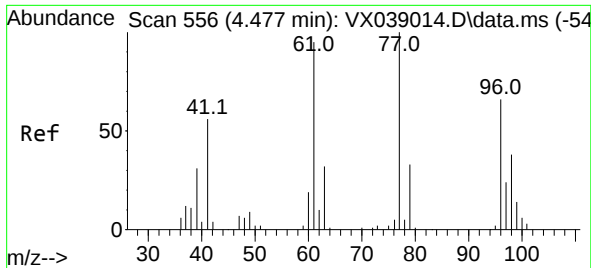
Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

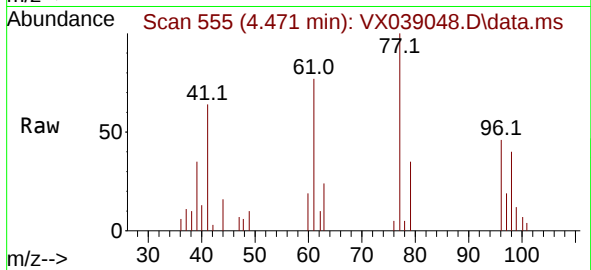
Tgt Ion: 43	Resp: 24898
Ion Ratio	Lower Upper
43 100	
57 3.5	6.6 10.0
72 23.9	20.6 31.0





#31
2,2-Dichloropropane
Concen: 2.590 ug/l
RT: 4.471 min Scan# 511
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

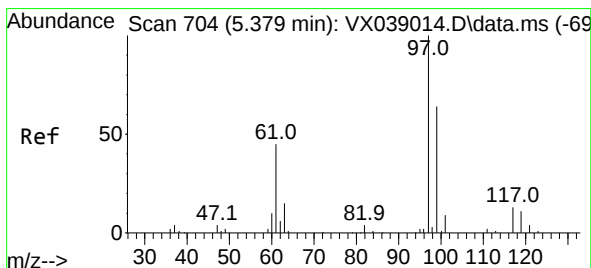
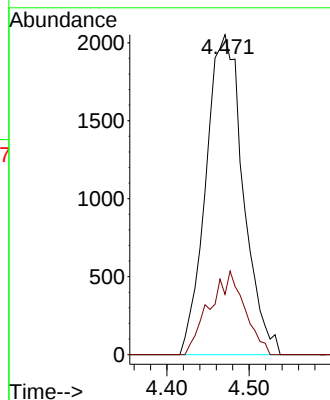
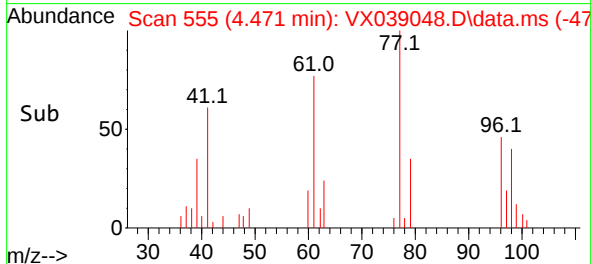
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



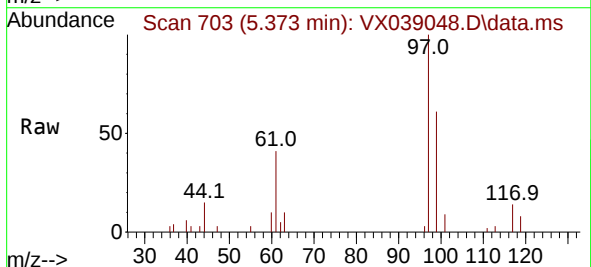
Tgt Ion: 77 Resp: 6480
Ion Ratio Lower Upper
77 100
97 18.9 18.2 27.4

Manual Integrations
APPROVED

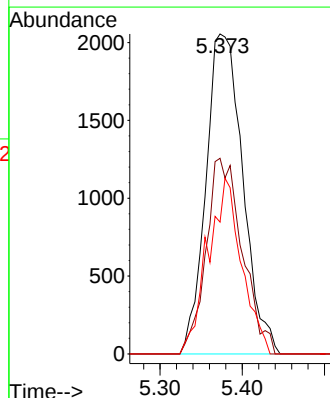
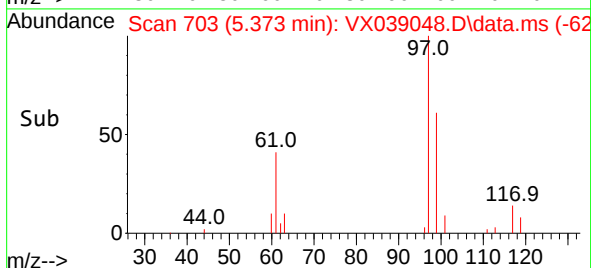
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

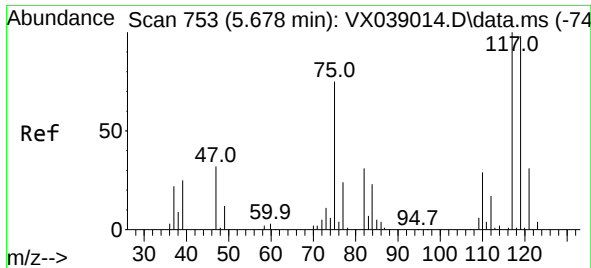


#32
1,1,1-Trichloroethane
Concen: 2.534 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion: 97 Resp: 6410
Ion Ratio Lower Upper
97 100
99 58.5 52.6 79.0
61 50.2 36.9 55.3





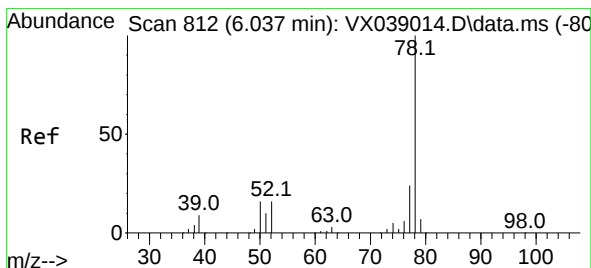
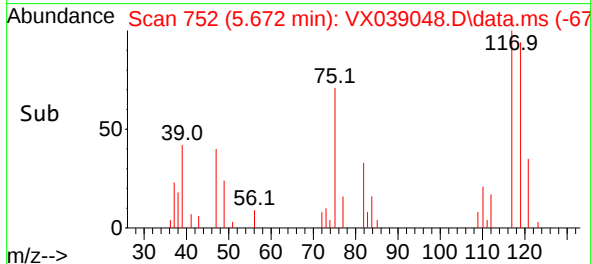
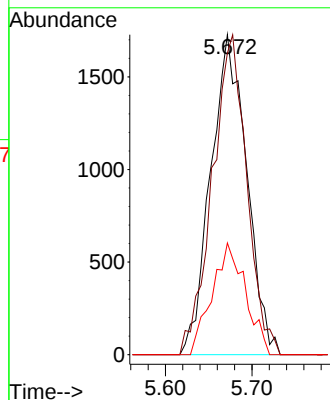
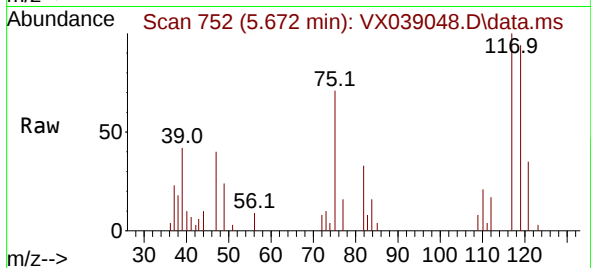
#33
Carbon Tetrachloride
Concen: 2.337 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:117 Resp: 4980
Ion Ratio Lower Upper
117 100
119 94.3 78.2 117.4
121 34.9 24.7 37.1

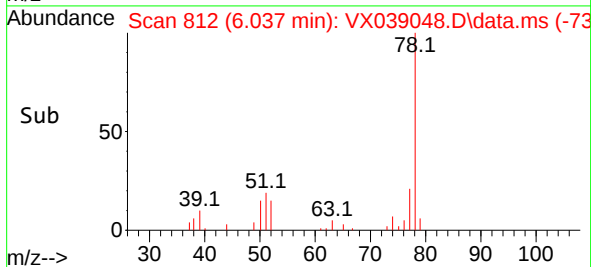
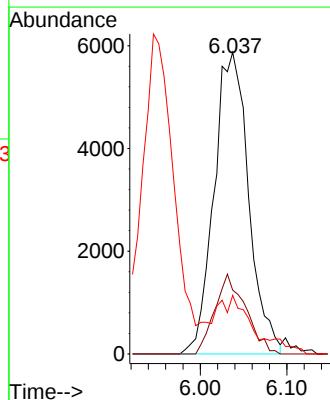
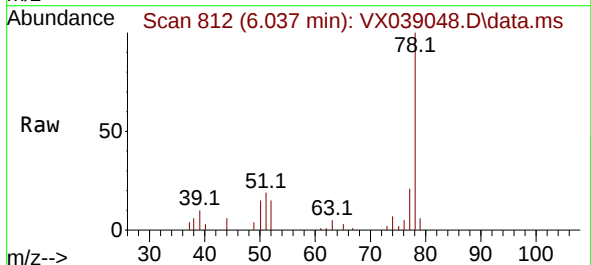
Manual Integrations
APPROVED

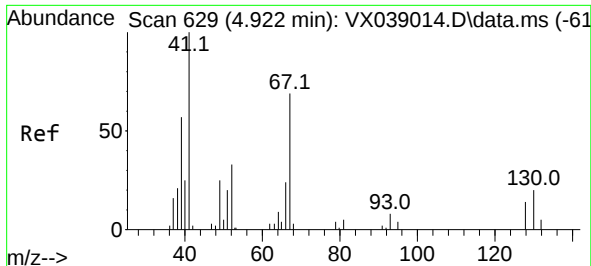
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#34
Benzene
Concen: 2.553 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

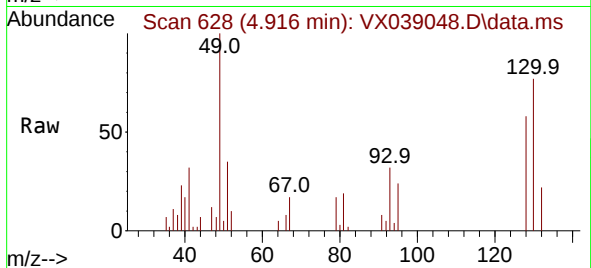
Tgt Ion: 78 Resp: 16274
Ion Ratio Lower Upper
78 100
77 21.2 19.3 28.9
51 14.5 14.4 21.6





#35
Methacrylonitrile
Concen: 2.427 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

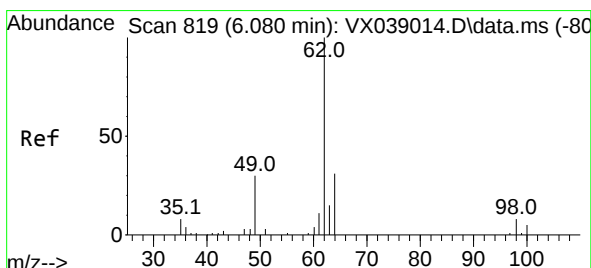
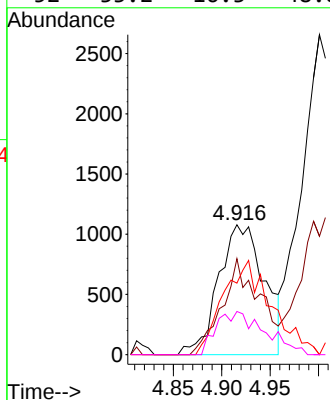
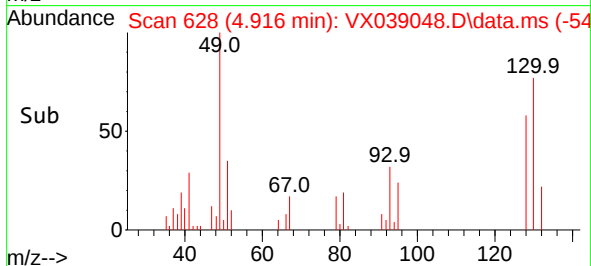
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 41 Resp: 354
Ion Ratio Lower Upper
41 100
39 73.9 28.2 84.7
67 55.0 34.5 103.5
52 33.2 16.3 48.8

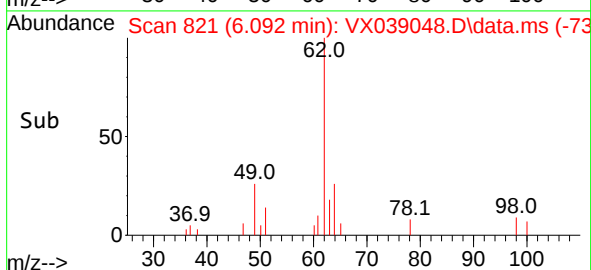
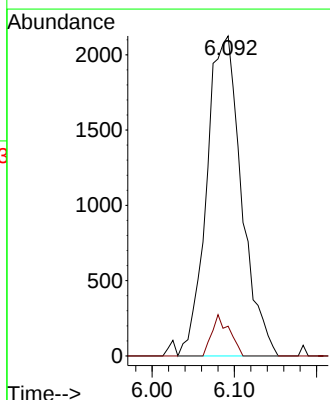
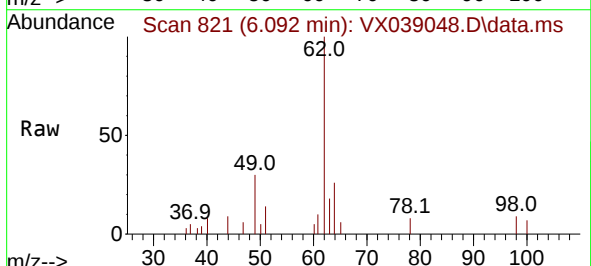
Manual Integrations
APPROVED

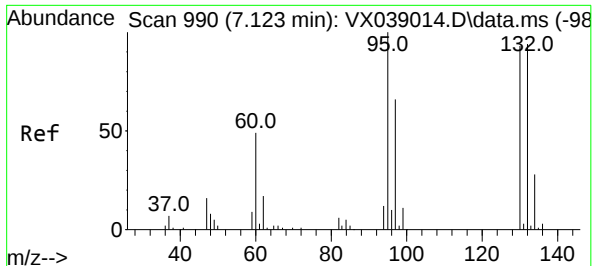
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#36
1,2-Dichloroethane
Concen: 2.671 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 62 Resp: 6249
Ion Ratio Lower Upper
62 100
98 6.5 7.0 10.4#





#37

Trichloroethene

Concen: 2.356 ug/l m

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion:130 Resp: 381

Ion Ratio Lower Upper

130 100

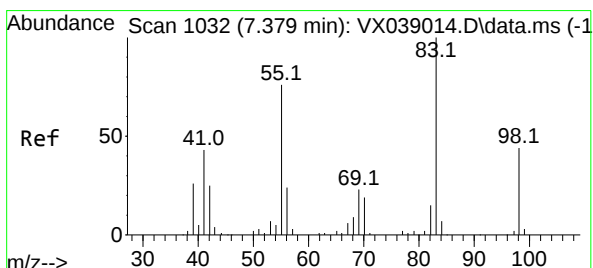
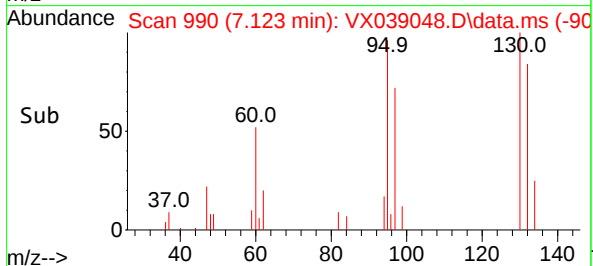
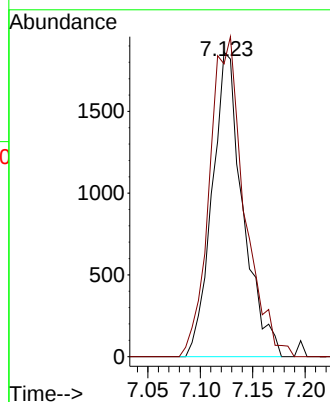
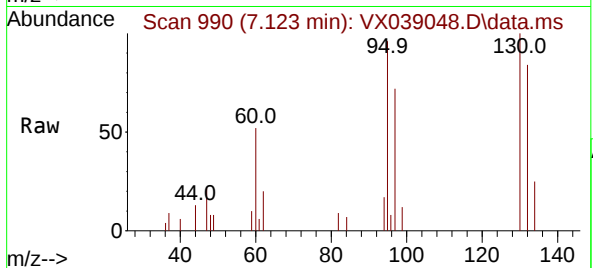
95 96.1 85.8 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#38

Methylcyclohexane

Concen: 2.570 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

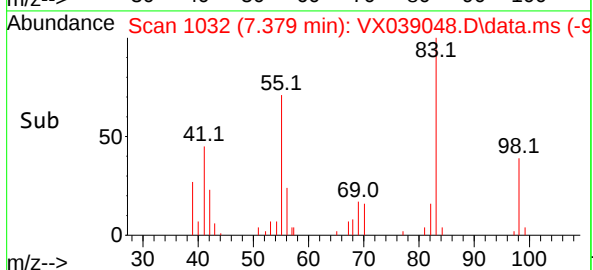
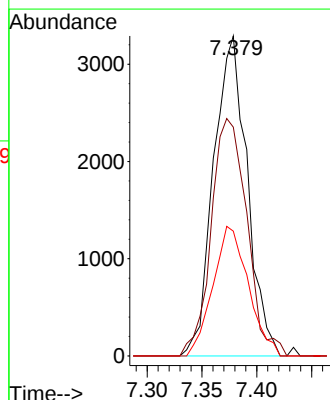
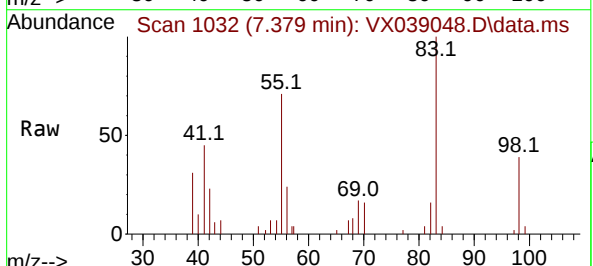
Tgt Ion: 83 Resp: 7007

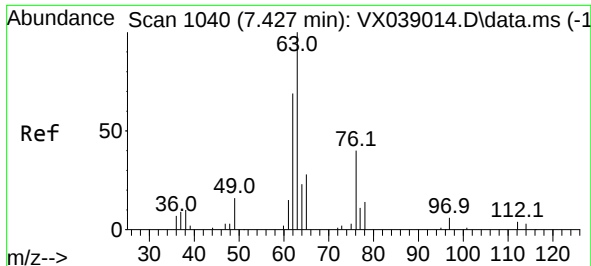
Ion Ratio Lower Upper

83 100

55 79.0 38.6 116.0

98 42.7 22.3 66.8





#39

1,2-Dichloropropane

Concen: 2.610 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 63 Resp: 438

Ion Ratio Lower Upper

63 100

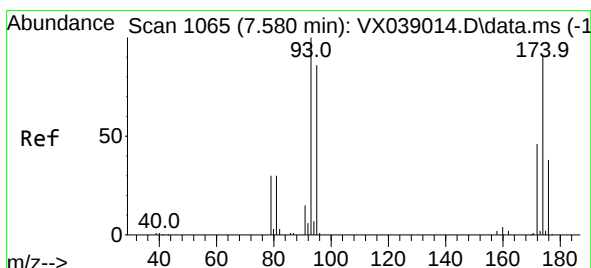
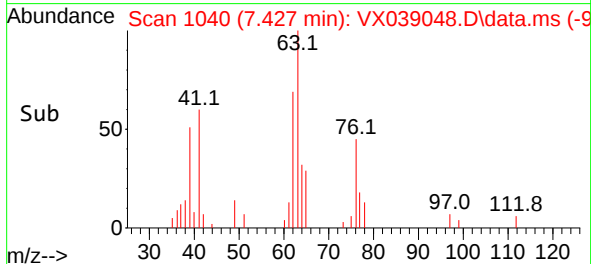
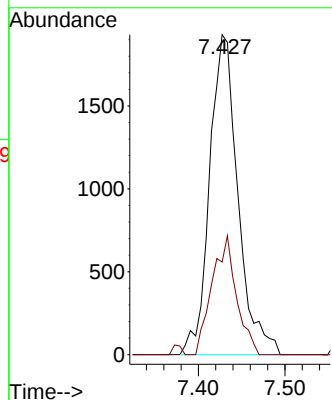
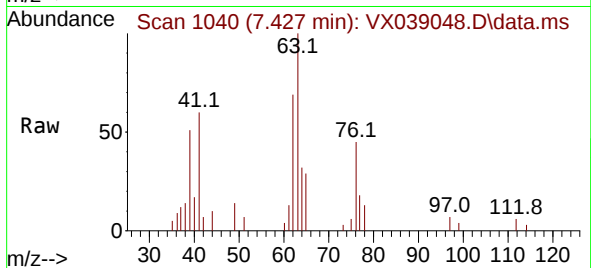
65 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#40

Dibromomethane

Concen: 2.477 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

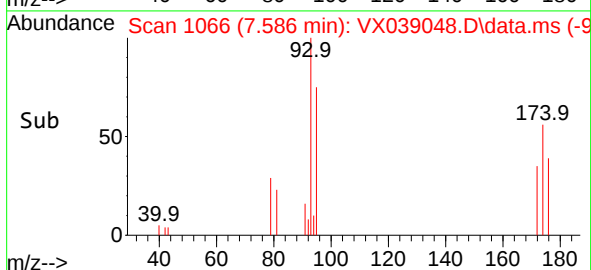
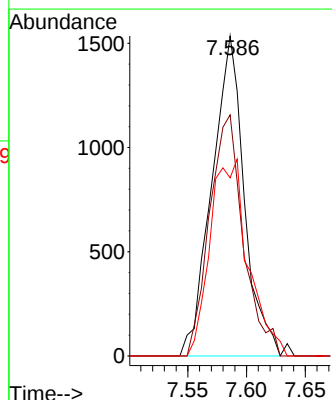
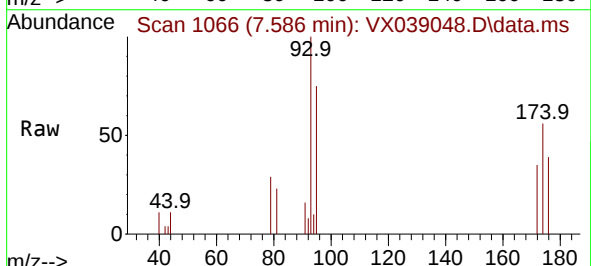
Tgt Ion: 93 Resp: 2943

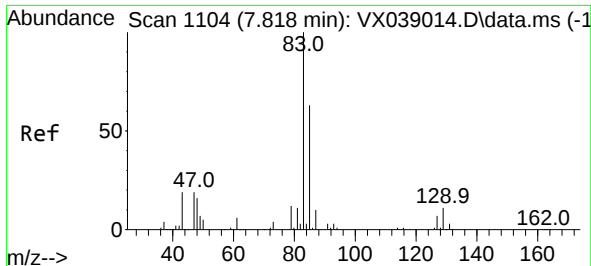
Ion Ratio Lower Upper

93 100

95 77.0 0.0 163.4

174 42.4 0.0 166.4





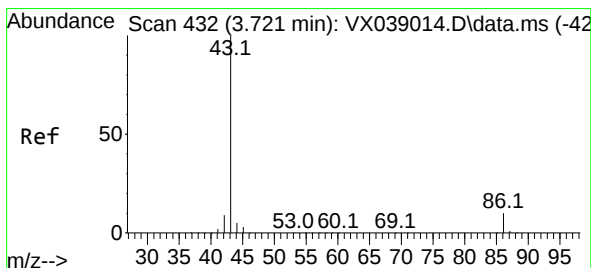
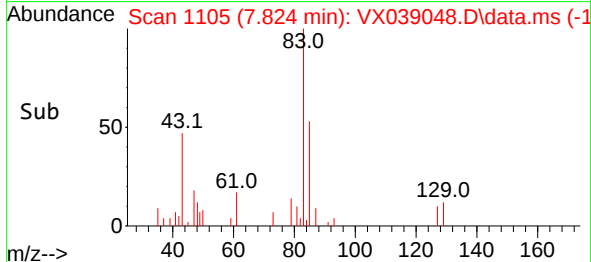
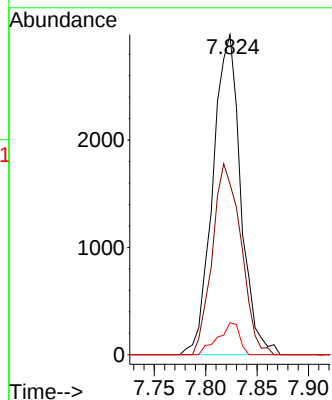
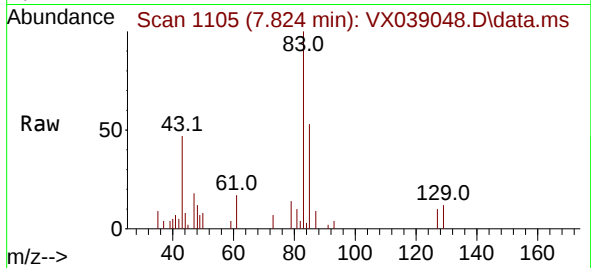
#41
Bromodichloromethane
Concen: 2.466 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 83 Resp: 562
Ion Ratio Lower Upper
83 100
85 53.4 50.8 76.2
127 10.0 5.9 8.9

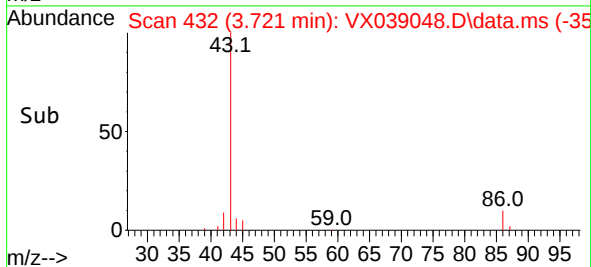
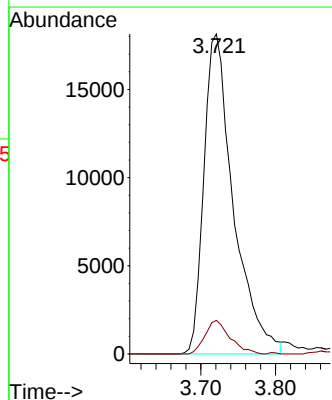
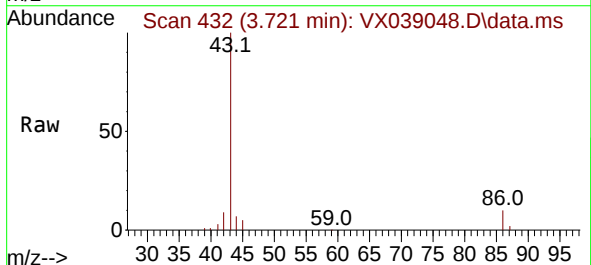
Manual Integrations
APPROVED

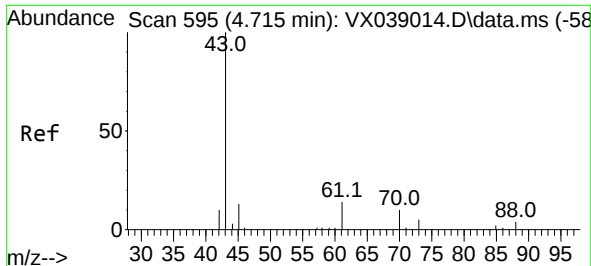
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#42
Vinyl Acetate
Concen: 12.680 ug/l
RT: 3.721 min Scan# 432
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

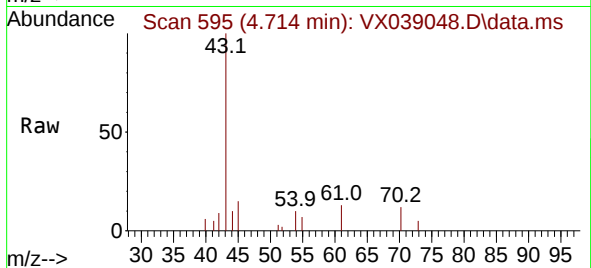
Tgt Ion: 43 Resp: 49764
Ion Ratio Lower Upper
43 100
86 8.9 6.7 10.1





#43
Ethyl Acetate
Concen: 2.278 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

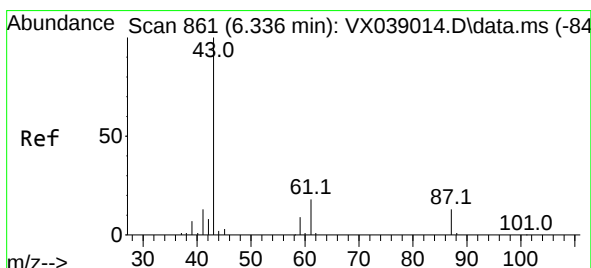
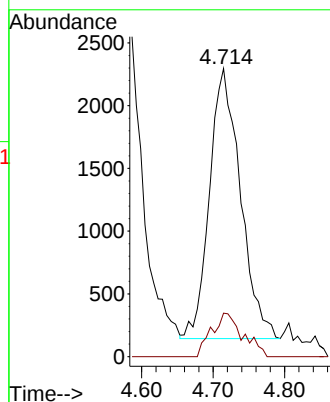
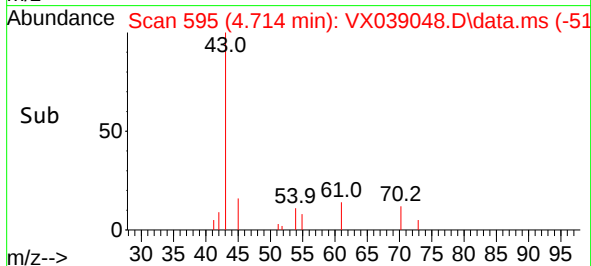
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



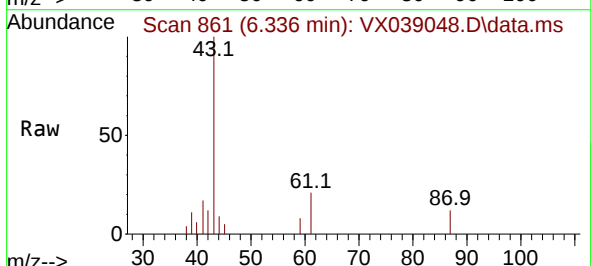
Tgt Ion: 43 Resp: 6459
Ion Ratio Lower Upper
43 100
45 12.3 11.8 17.8

Manual Integrations
APPROVED

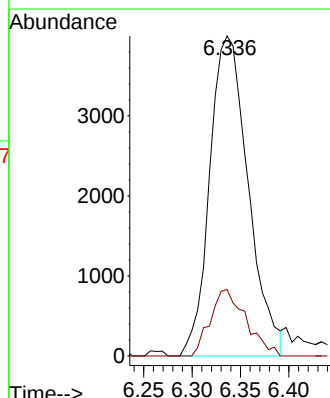
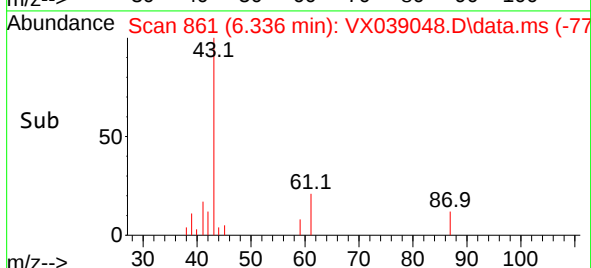
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

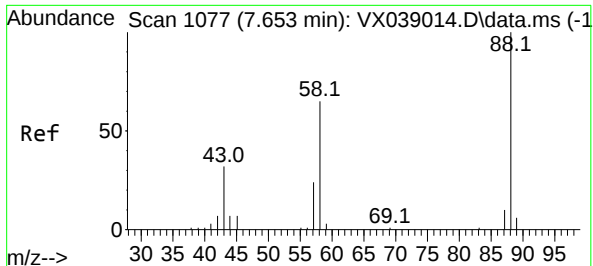


#44
Isopropyl Acetate
Concen: 2.475 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



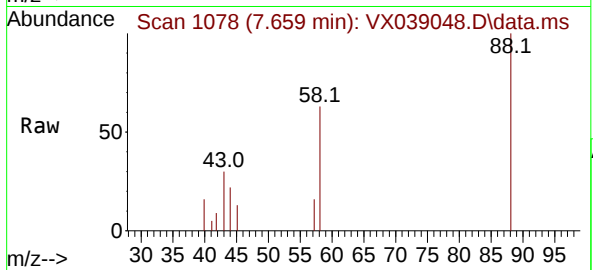
Tgt Ion: 43 Resp: 11060
Ion Ratio Lower Upper
43 100
61 19.3 15.6 23.4





#45
1,4-Dioxane
Concen: 47.567 ug/l
RT: 7.659 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

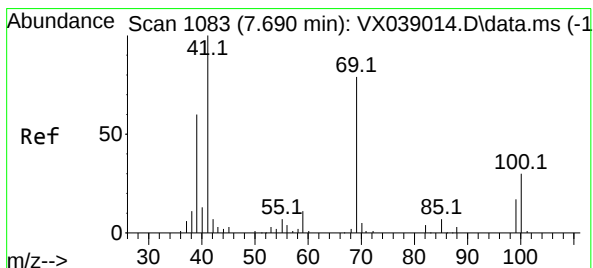
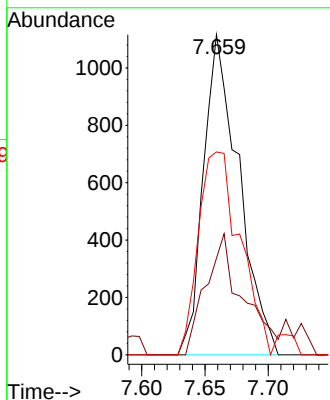
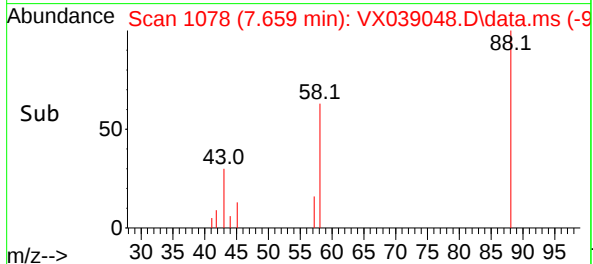
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 88 Resp: 2170
Ion Ratio Lower Upper
88 100
43 40.1 28.1 42.1
58 74.7 57.7 86.5

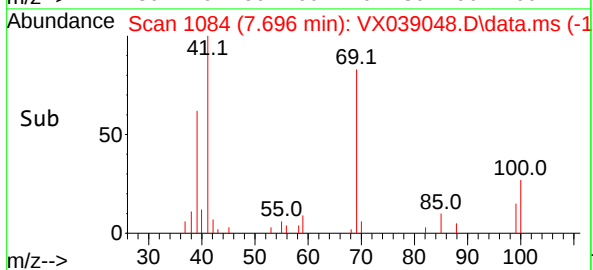
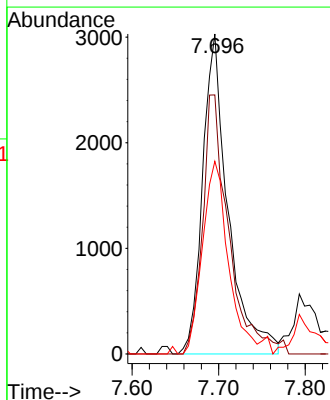
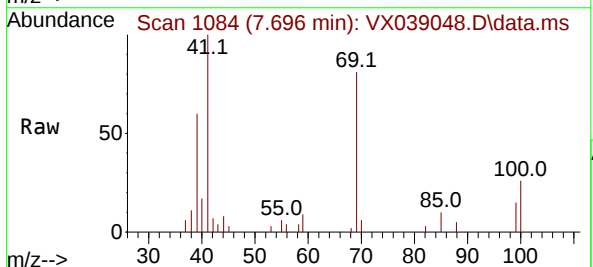
Manual Integrations
APPROVED

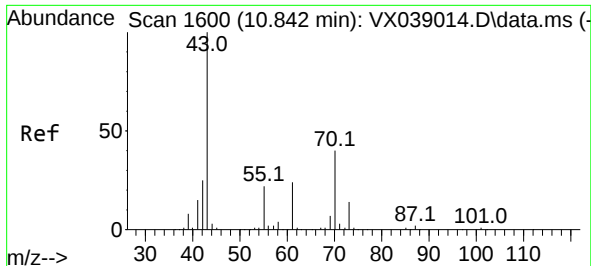
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#46
Methyl methacrylate
Concen: 2.428 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 41 Resp: 6204
Ion Ratio Lower Upper
41 100
69 81.0 39.6 118.8
39 60.2 30.1 90.3





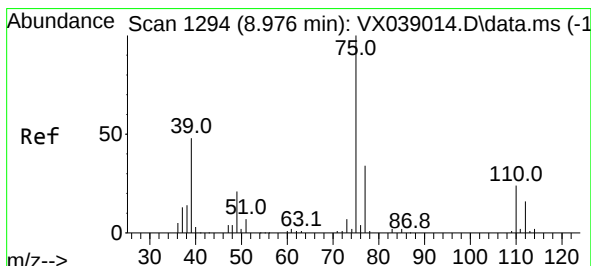
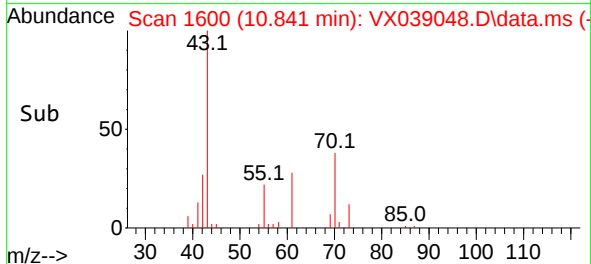
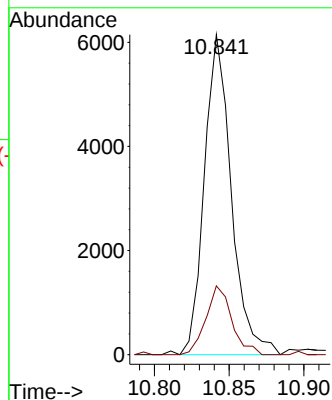
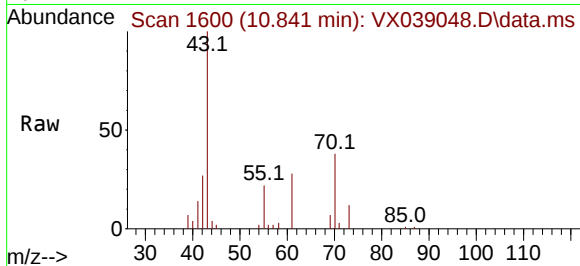
#47
n-amyl acetate
Concen: 2.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
55 20.6 18.2 27.2

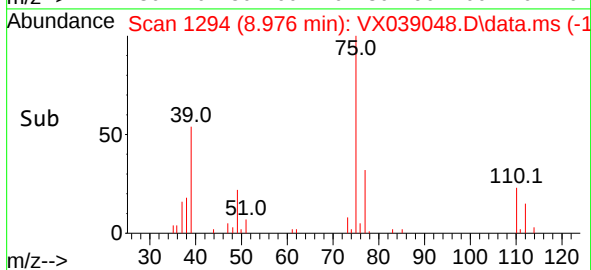
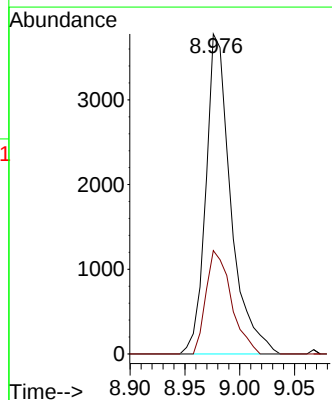
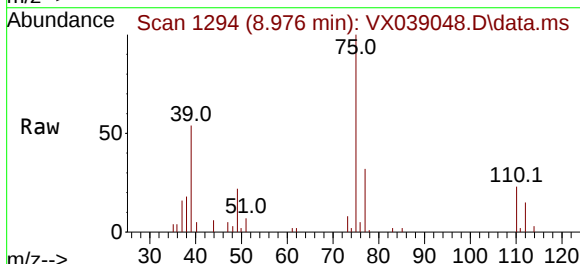
Manual Integrations
APPROVED

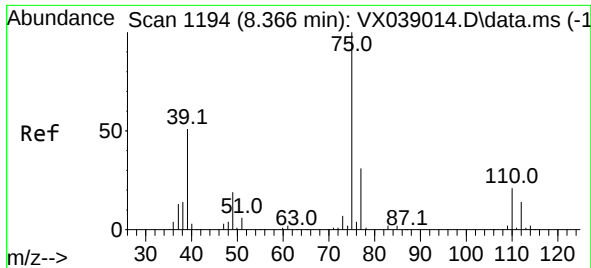
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#48
t-1,3-Dichloropropene
Concen: 2.263 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 75 Resp: 5989
Ion Ratio Lower Upper
75 100
77 32.3 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 2.457 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

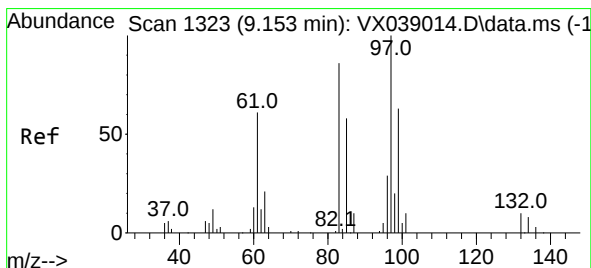
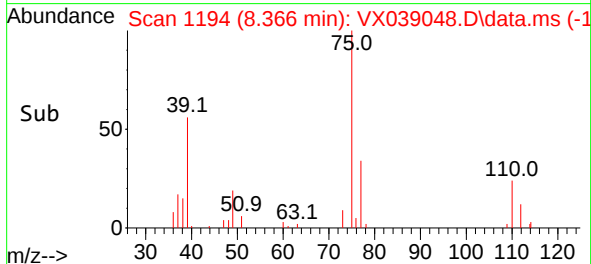
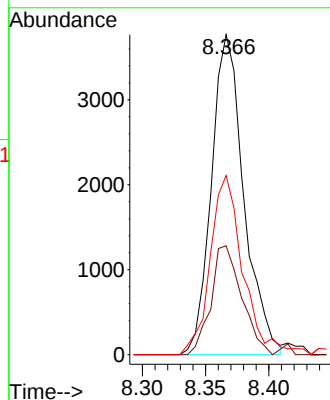
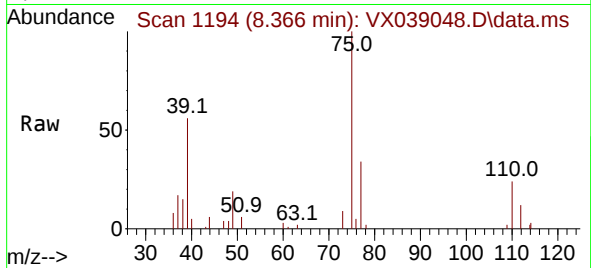
Tgt Ion: 75	Resp: 670
Ion Ratio	Lower Upper
75 100	
77 34.0	24.4 36.6
39 56.0	40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#50

1,1,2-Trichloroethane

Concen: 2.533 ug/l

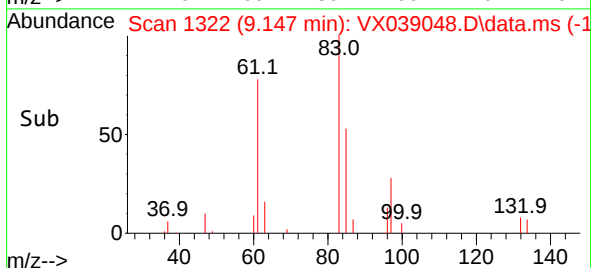
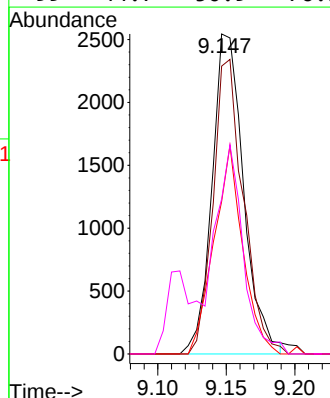
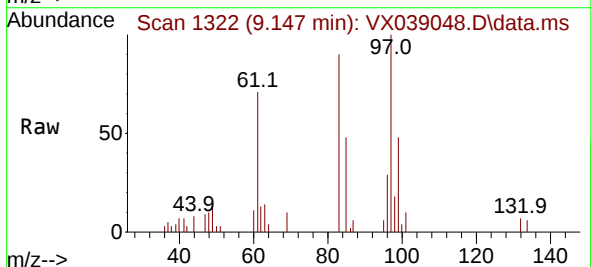
RT: 9.147 min Scan# 1322

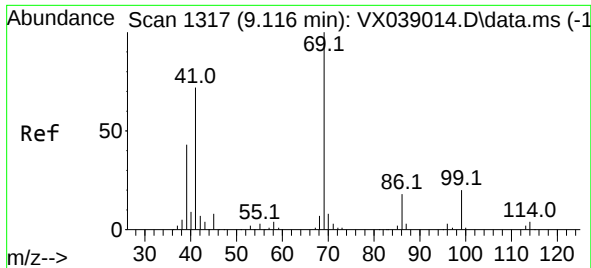
Delta R.T. -0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

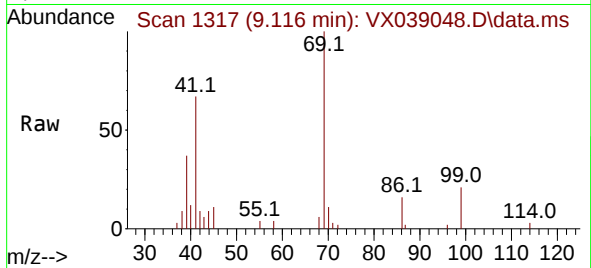
Tgt Ion: 97	Resp: 4088
Ion Ratio	Lower Upper
97 100	
83 89.9	69.0 103.6
85 47.6	46.3 69.5
99 44.7	50.9 76.3





#51
Ethyl methacrylate
Concen: 2.287 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

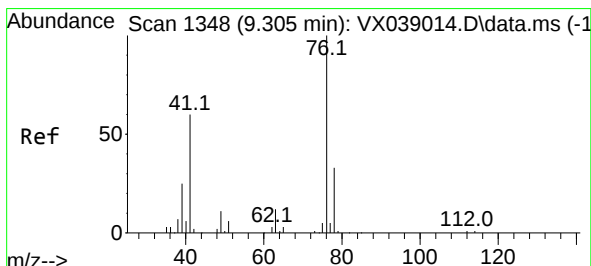
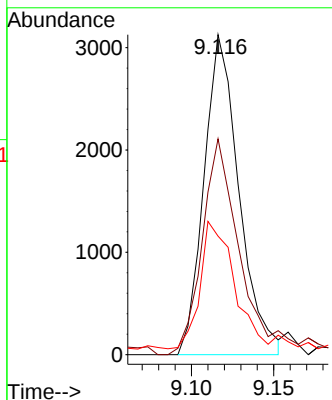
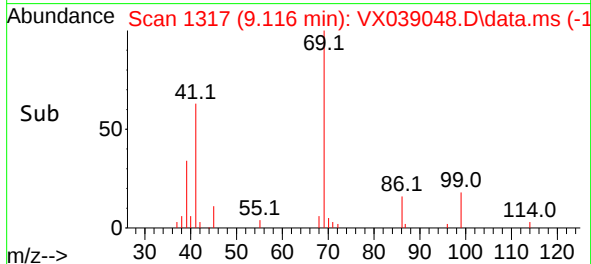
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 69 Resp: 4620
Ion Ratio Lower Upper
69 100
41 65.5 36.2 108.6
39 34.8 21.1 63.4

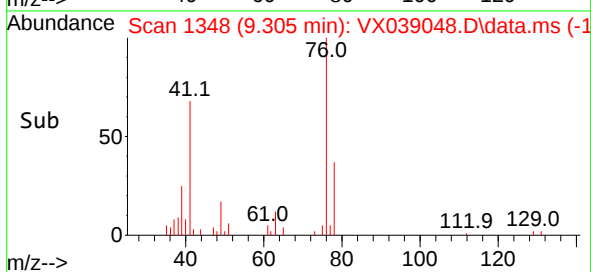
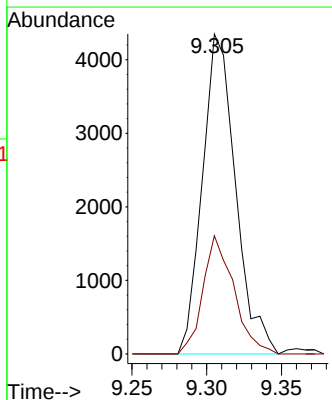
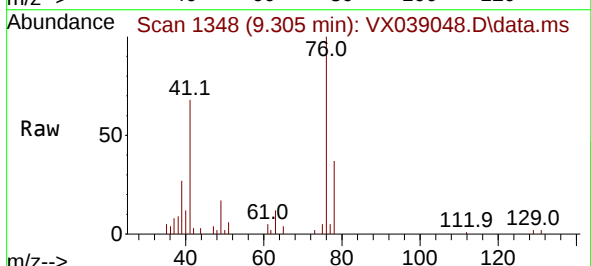
Manual Integrations
APPROVED

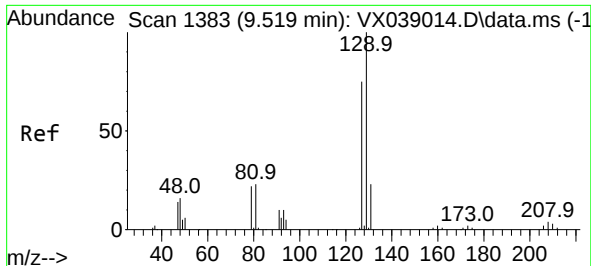
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#52
1,3-Dichloropropane
Concen: 2.426 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

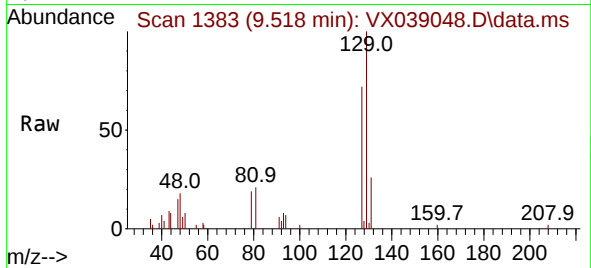
Tgt Ion: 76 Resp: 6713
Ion Ratio Lower Upper
76 100
78 34.4 0.0 65.0





#53
Dibromochloromethane
Concen: 2.089 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

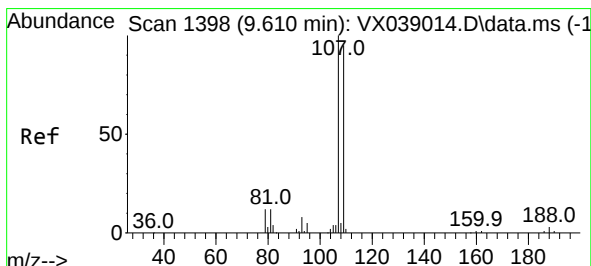
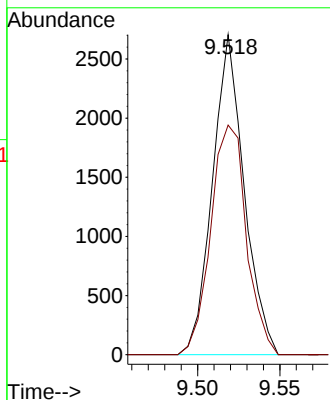
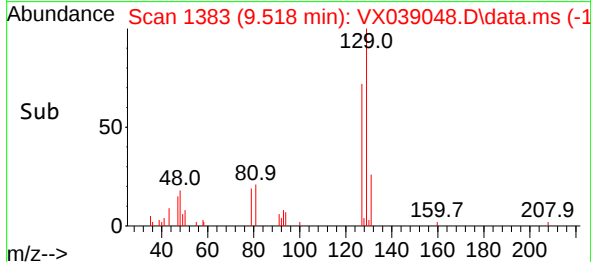
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



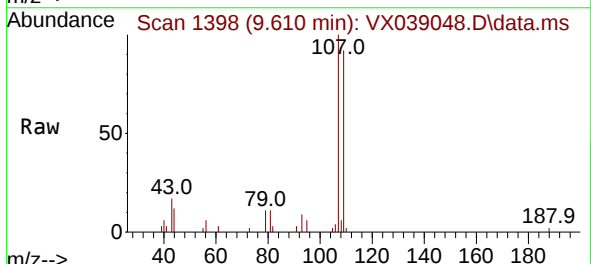
Tgt Ion:129 Resp: 362
Ion Ratio Lower Upper
129 100
127 80.5 38.3 114.9

Manual Integrations
APPROVED

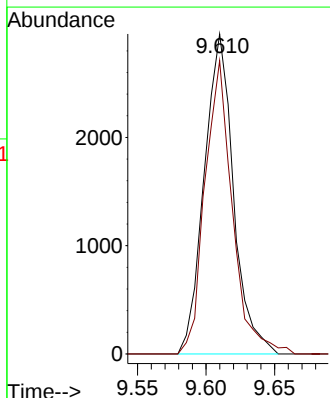
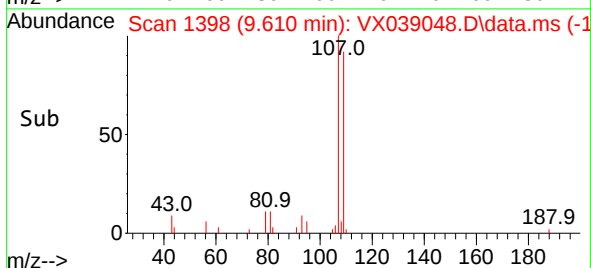
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

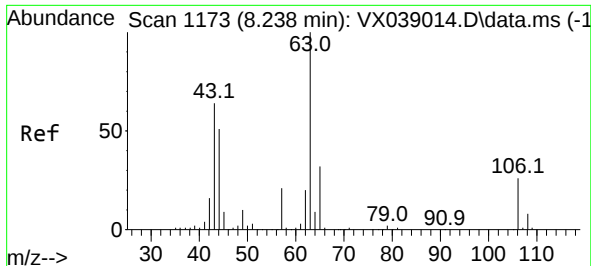


#54
1,2-Dibromoethane
Concen: 2.480 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion:107 Resp: 4389
Ion Ratio Lower Upper
107 100
109 86.1 75.1 112.7





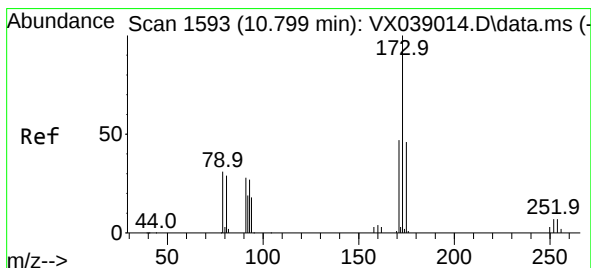
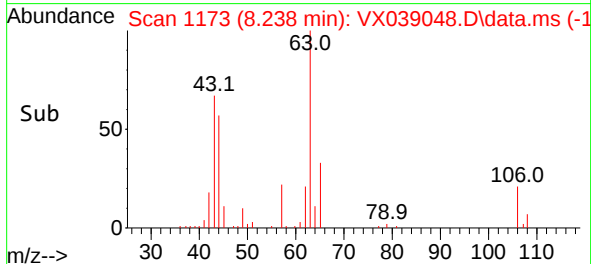
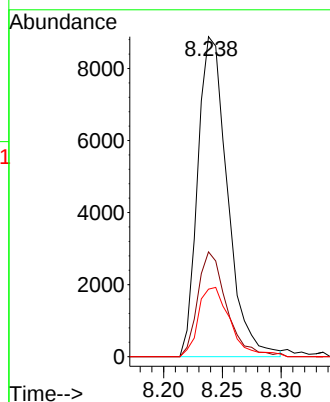
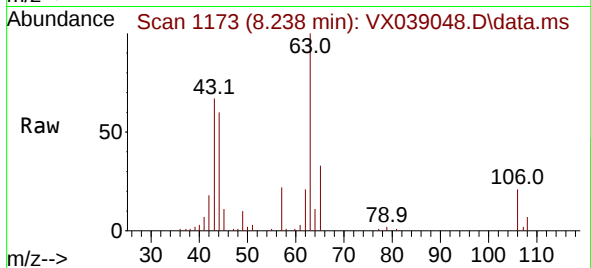
#55
2-Chloroethyl vinyl ether
Concen: 12.210 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 63 Resp: 15634
Ion Ratio Lower Upper
63 100
65 31.8 25.8 38.6
106 22.8 20.6 31.0

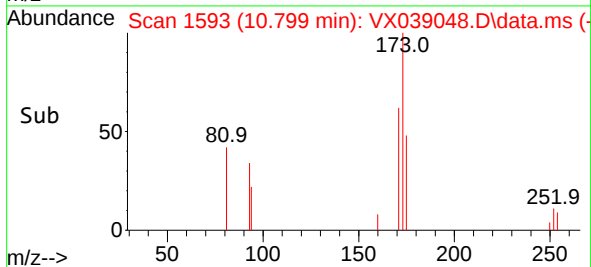
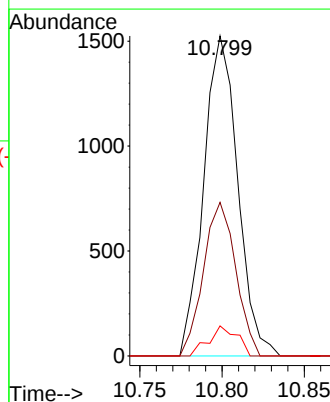
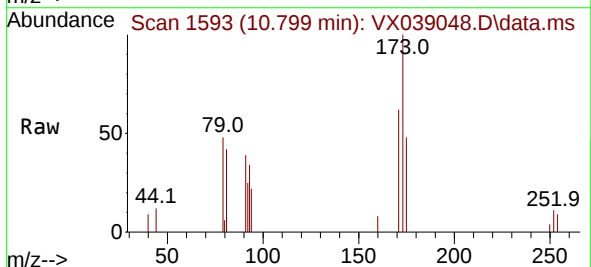
Manual Integrations
APPROVED

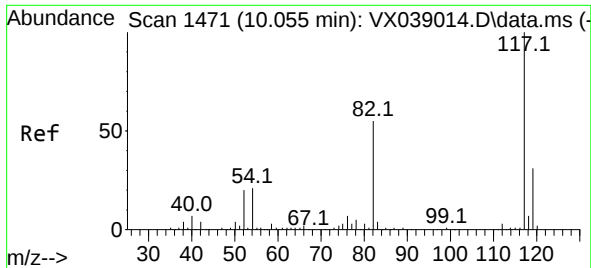
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#56
Bromoform
Concen: 1.750 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion:173 Resp: 2189
Ion Ratio Lower Upper
173 100
175 45.6 37.6 56.4
254 7.8 5.8 8.8





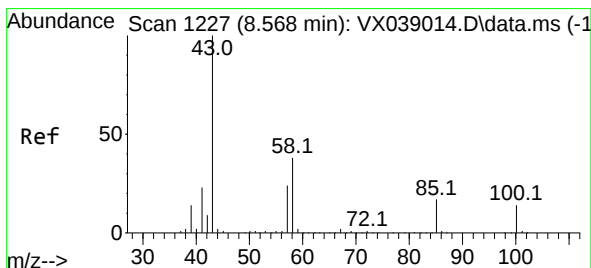
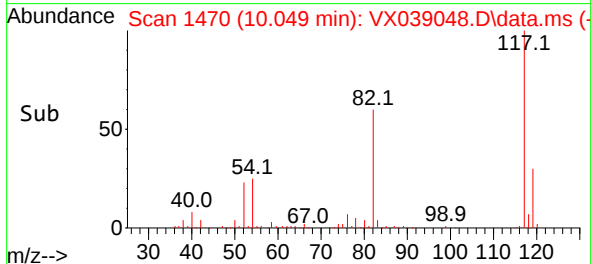
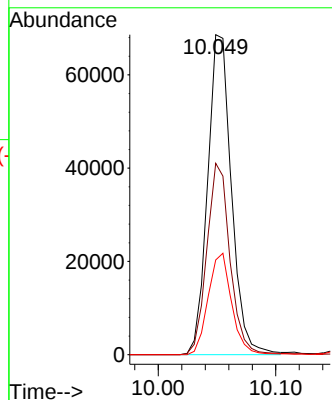
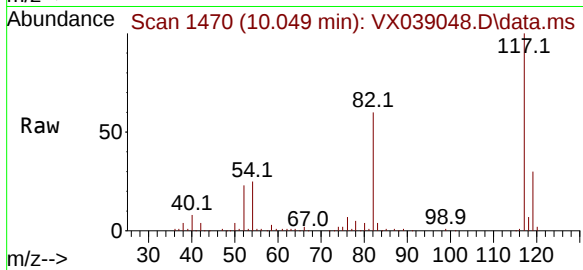
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 117 Resp: 96744
Ion Ratio Lower Upper
117 100
82 58.2 47.0 70.6
119 31.2 25.2 37.8

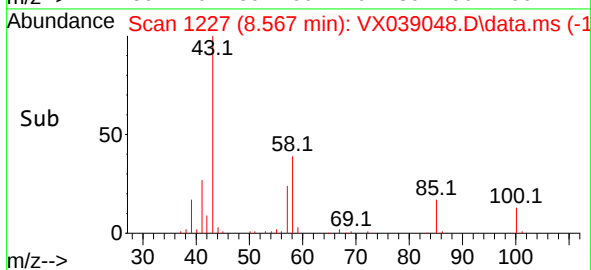
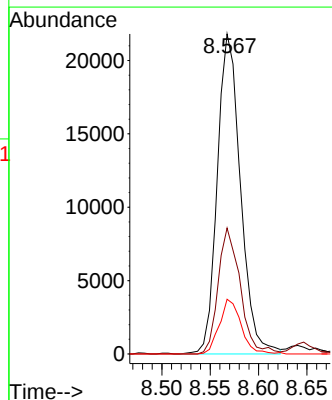
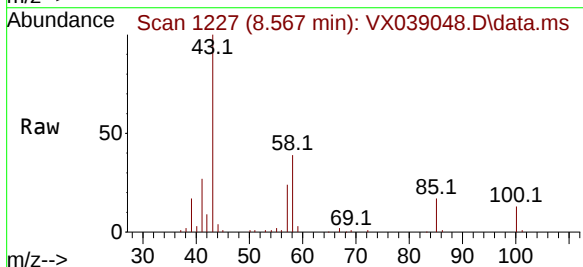
Manual Integrations
APPROVED

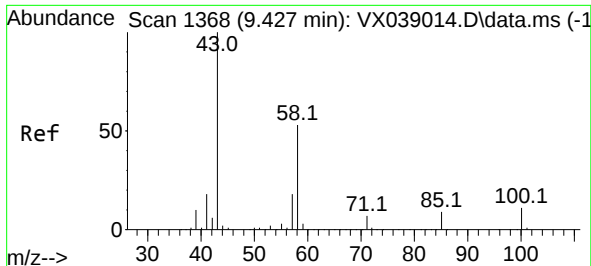
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#58
4-Methyl-2-Pentanone
Concen: 12.392 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 43 Resp: 36356
Ion Ratio Lower Upper
43 100
58 36.6 30.1 45.1
85 15.9 13.9 20.9





#59

2-Hexanone

Concen: 13.473 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 3244

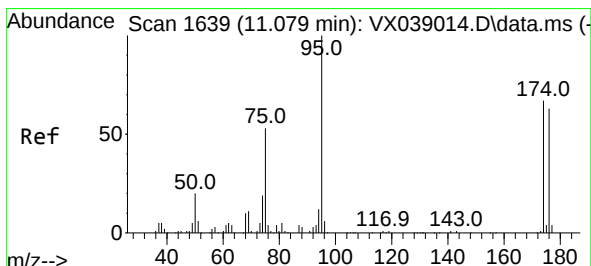
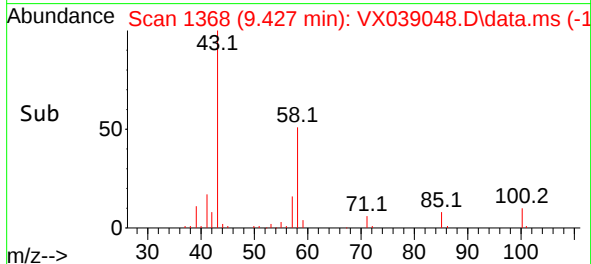
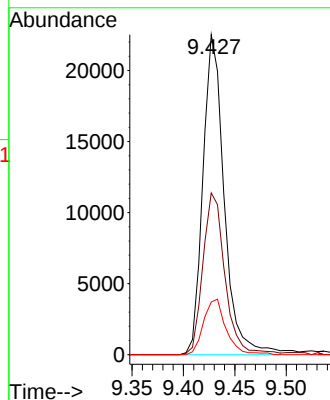
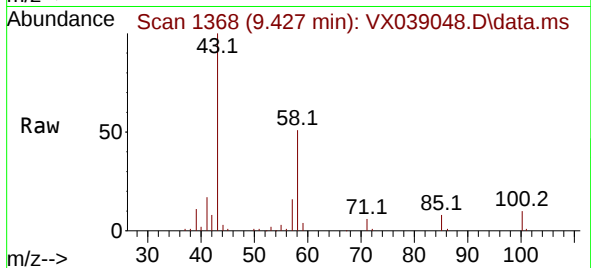
Ion	Ratio	Lower	Upper
43	100		
58	52.3	42.7	64.1
57	18.2	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#60

4-Bromofluorobenzene

Concen: 27.920 ug/l

RT: 11.079 min Scan# 1639

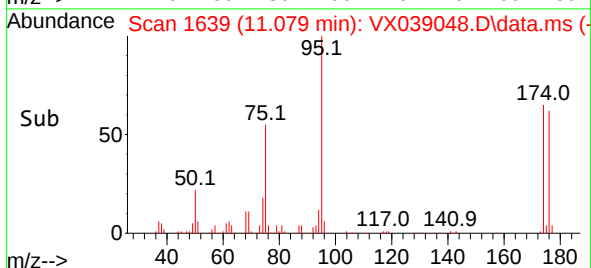
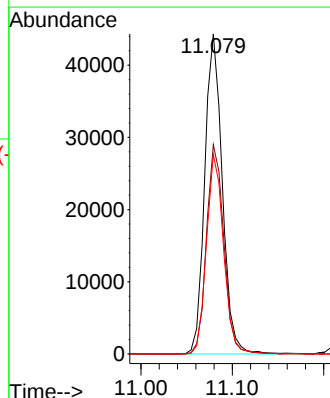
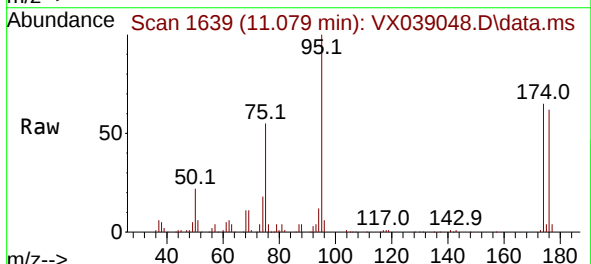
Delta R.T. -0.000 min

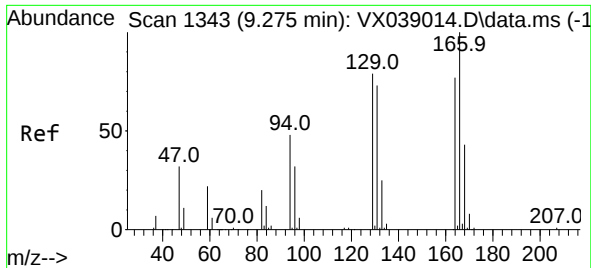
Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Tgt Ion: 95 Resp: 58996

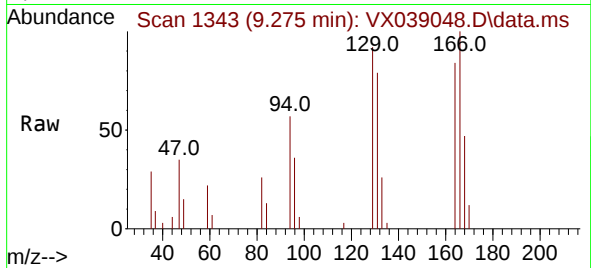
Ion	Ratio	Lower	Upper
95	100		
174	64.5	55.4	83.2
176	60.8	52.6	78.8





#61
Tetrachloroethene
Concen: 2.603 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

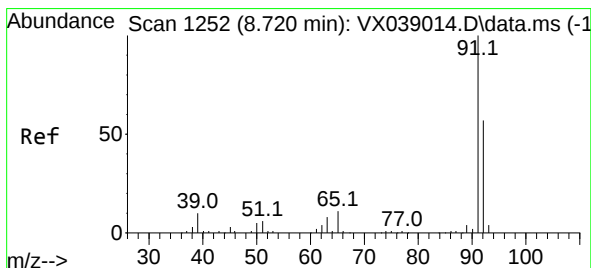
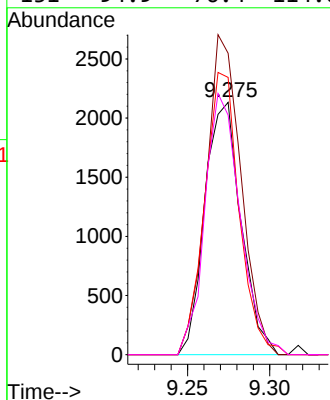
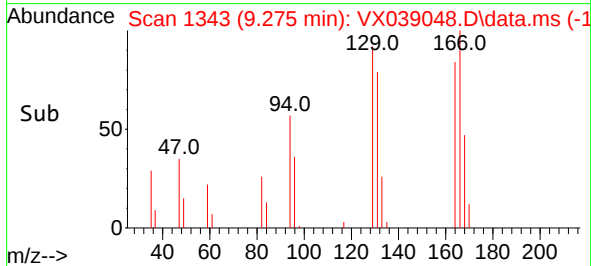
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



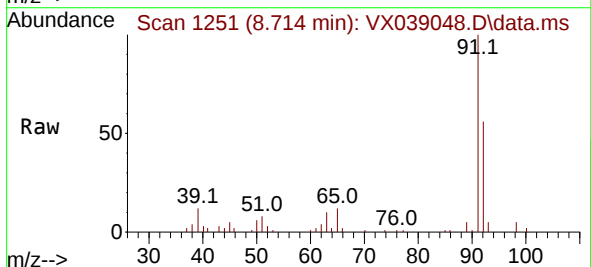
Tgt Ion:164 Resp: 3274
Ion Ratio Lower Upper
164 100
166 119.5 104.0 156.0
129 109.9 82.0 123.0
131 94.9 76.4 114.6

Manual Integrations
APPROVED

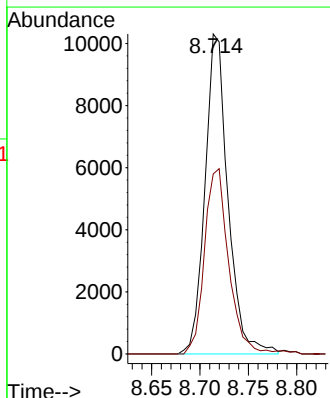
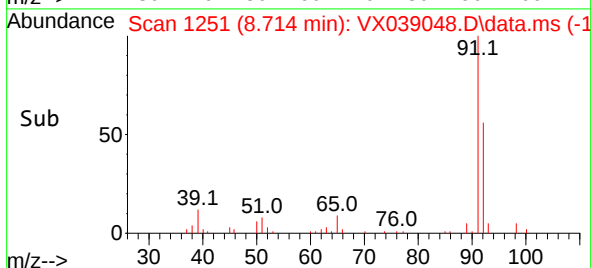
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

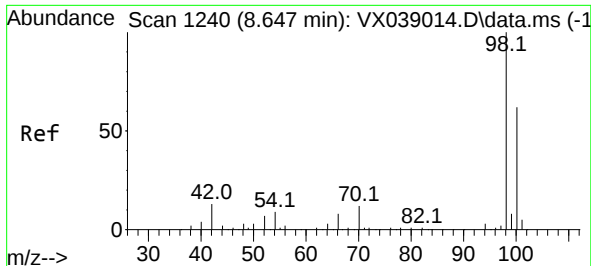


#62
Toluene
Concen: 2.485 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



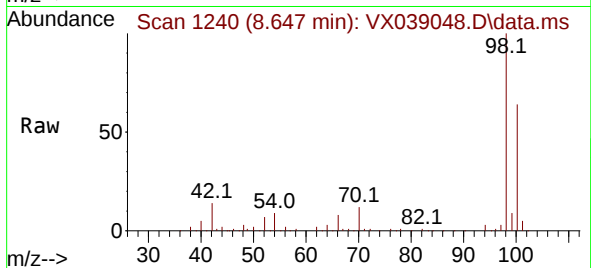
Tgt Ion: 91 Resp: 17069
Ion Ratio Lower Upper
91 100
92 60.7 45.9 68.9





#63
Toluene-d8
Concen: 28.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

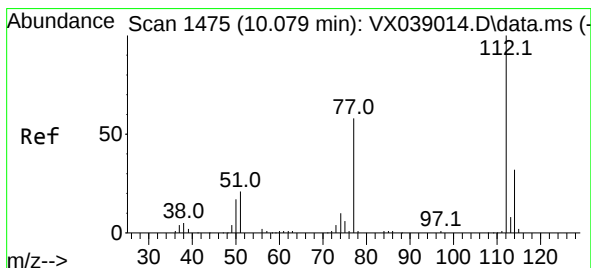
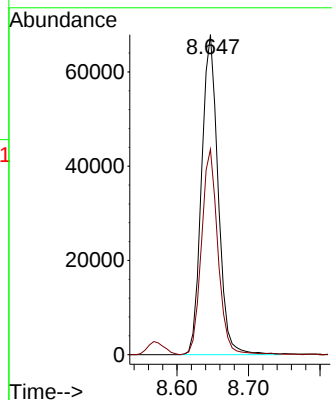
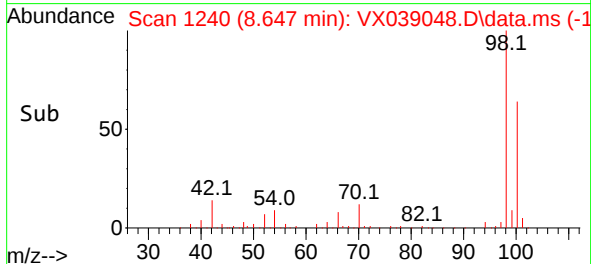
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 98 Resp: 109198
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4

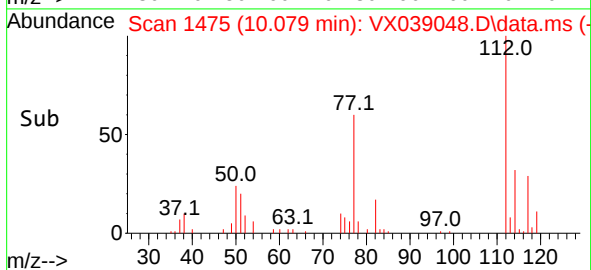
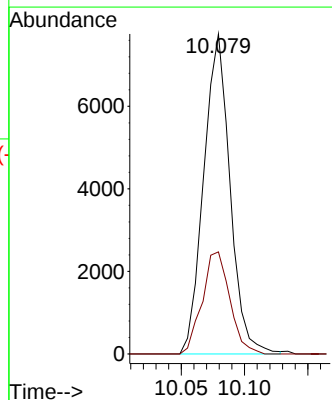
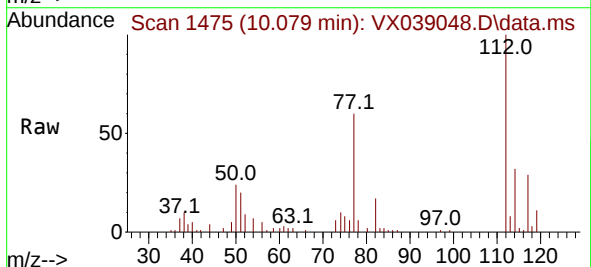
Manual Integrations
APPROVED

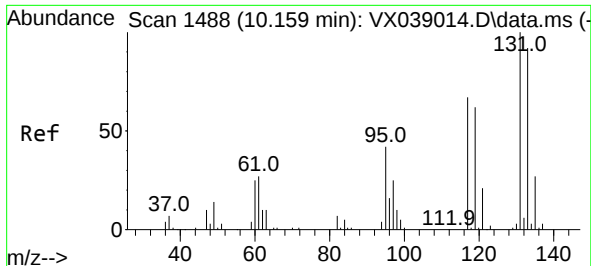
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#64
Chlorobenzene
Concen: 2.687 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion:112 Resp: 11227
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9





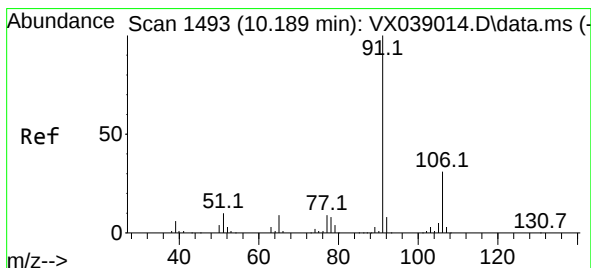
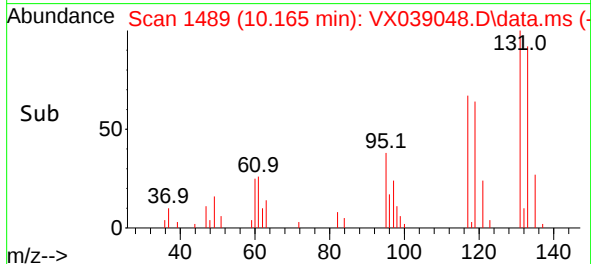
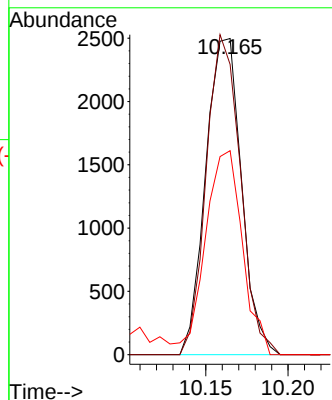
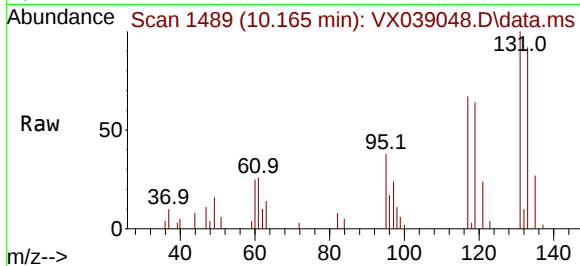
#65
1,1,1,2-Tetrachloroethane
Concen: 2.509 ug/l
RT: 10.165 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:131 Resp: 3775
Ion Ratio Lower Upper
131 100
133 96.3 0.0 191.8
119 66.9 0.0 135.4

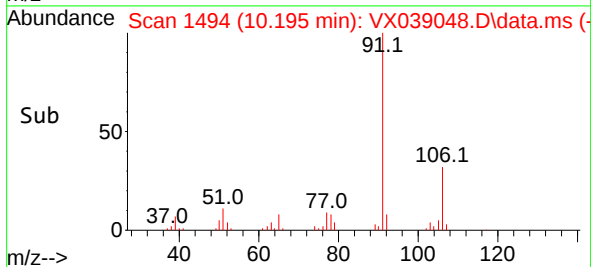
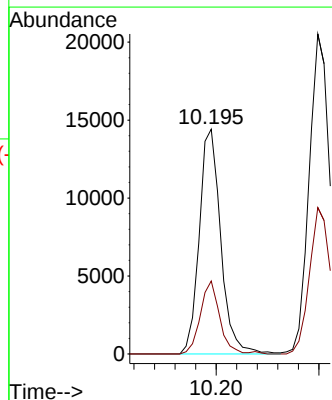
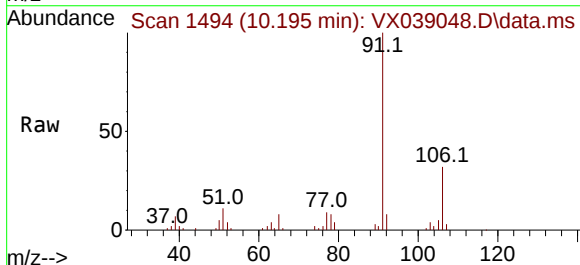
Manual Integrations
APPROVED

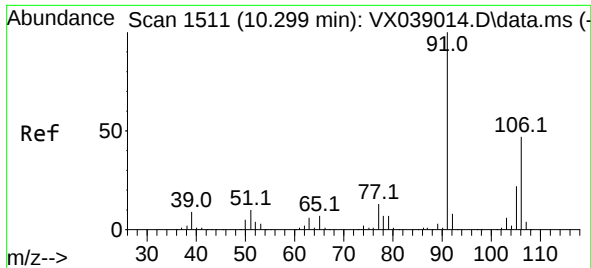
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#66
Ethyl Benzene
Concen: 2.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 91 Resp: 21014
Ion Ratio Lower Upper
91 100
106 32.5 24.4 36.6





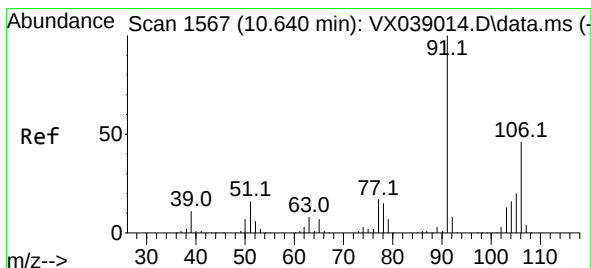
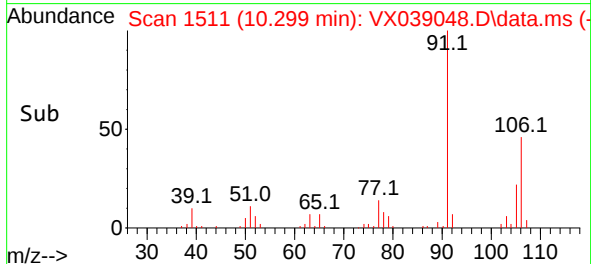
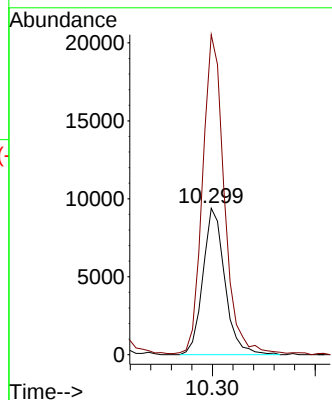
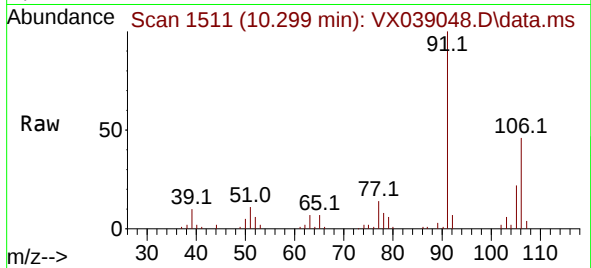
#67
m/p-Xylenes
Concen: 4.823 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:106 Resp: 13938
Ion Ratio Lower Upper
106 100
91 217.4 169.4 254.0

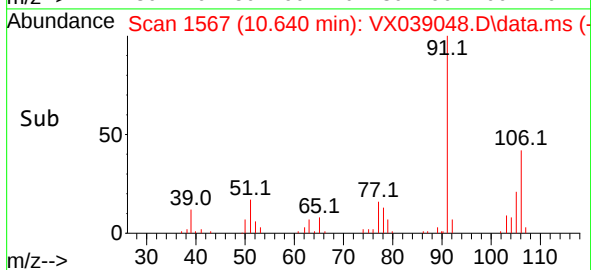
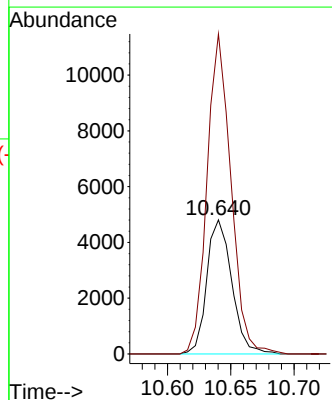
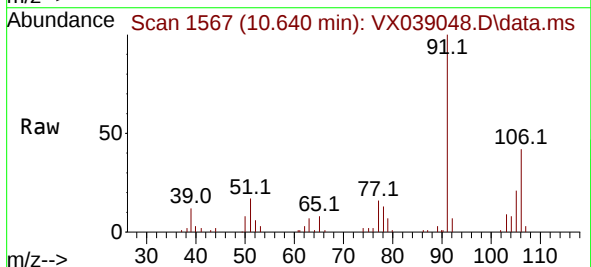
Manual Integrations
APPROVED

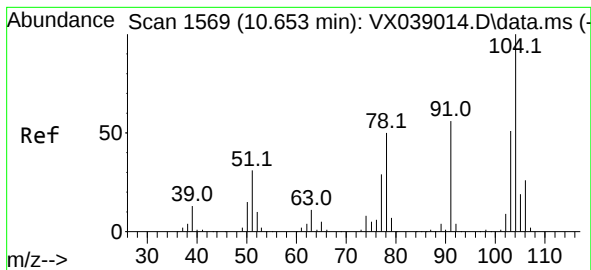
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#68
o-Xylene
Concen: 2.367 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion:106 Resp: 6627
Ion Ratio Lower Upper
106 100
91 228.0 111.2 333.6





#69

Styrene

Concen: 2.263 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

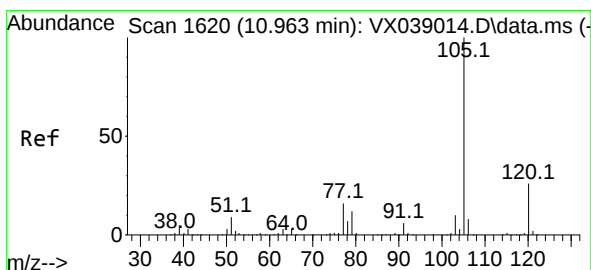
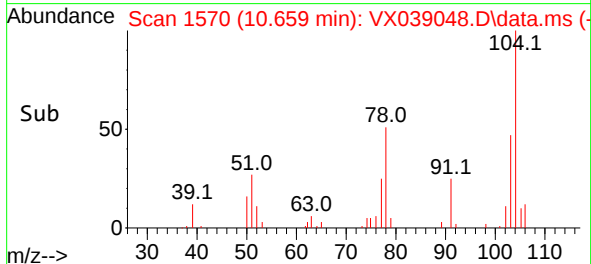
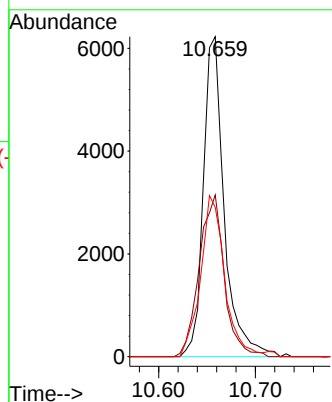
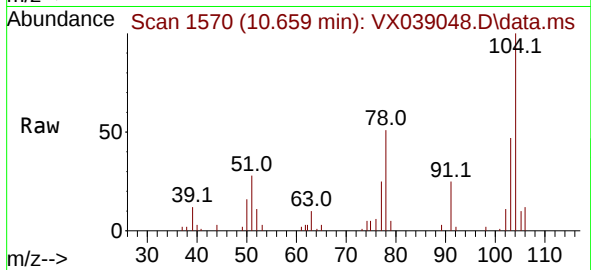
Tgt Ion:104	Resp:	937
Ion Ratio	Lower	Upper
104	100	
78	60.2	43.7 65.5
103	58.0	44.6 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#70

Isopropylbenzene

Concen: 2.390 ug/l

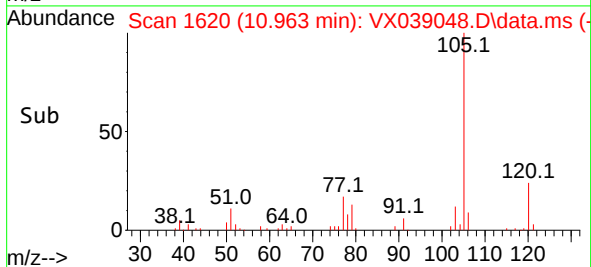
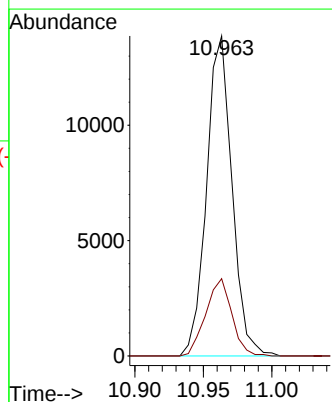
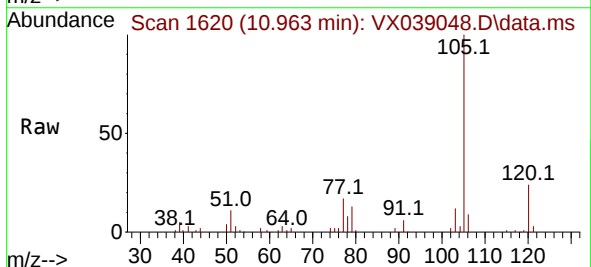
RT: 10.963 min Scan# 1620

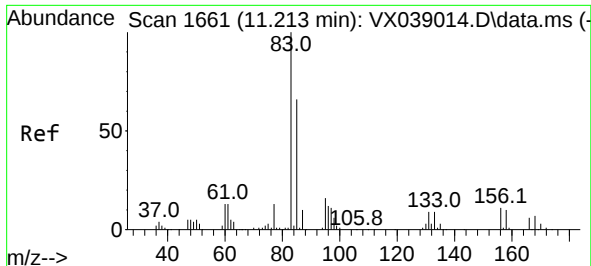
Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Tgt Ion:105	Resp:	17902
Ion Ratio	Lower	Upper
105	100	
120	24.7	18.5 34.3





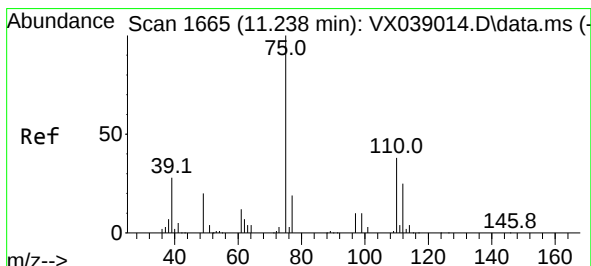
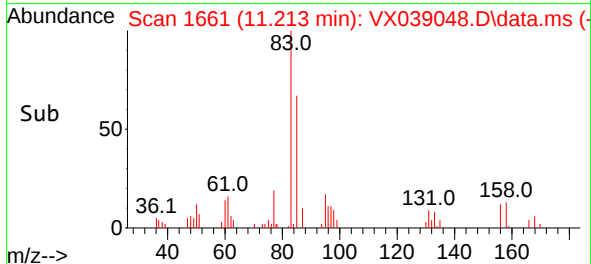
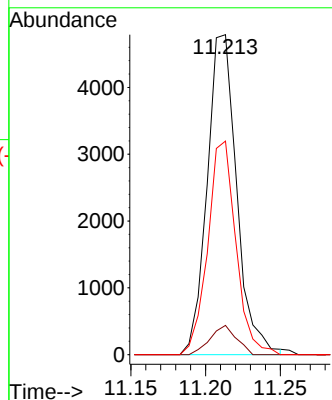
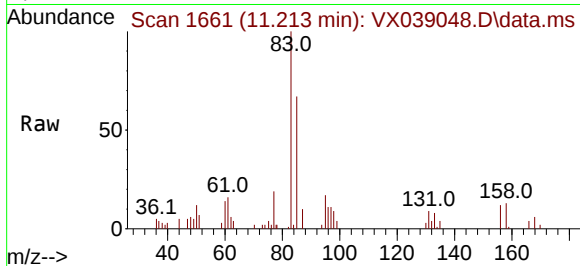
#71
1,1,2,2-Tetrachloroethane
Concen: 2.356 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 83 Resp: 6588
Ion Ratio Lower Upper
83 100
131 8.1 4.6 13.8
85 63.5 32.5 97.4

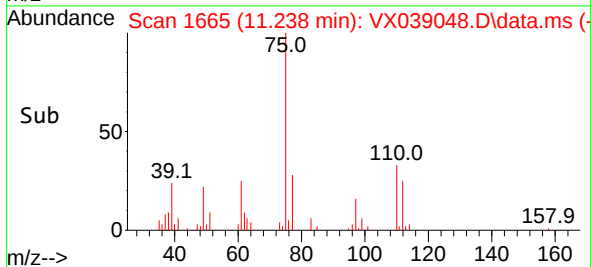
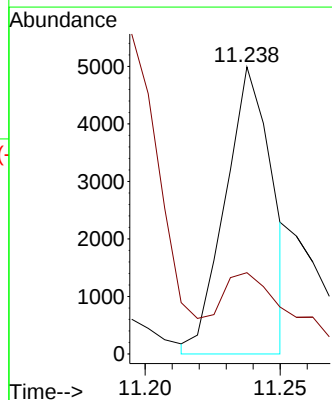
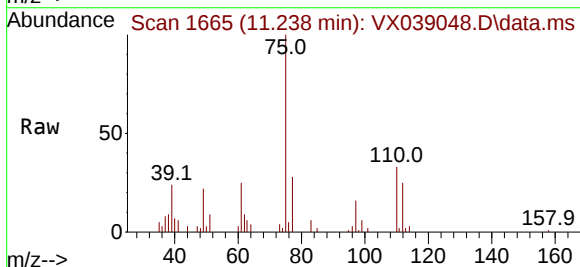
Manual Integrations
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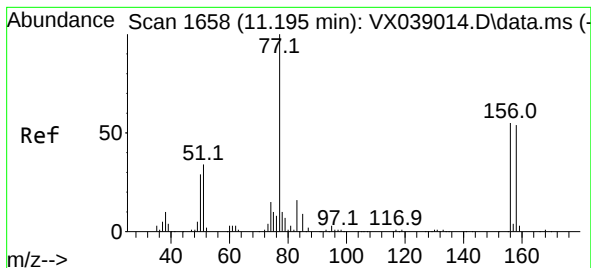
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#72
1,2,3-Trichloropropane
Concen: 2.543 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 75 Resp: 6017
Ion Ratio Lower Upper
75 100
77 44.4 0.0 76.4





#73

Bromobenzene

Concen: 2.355 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2023

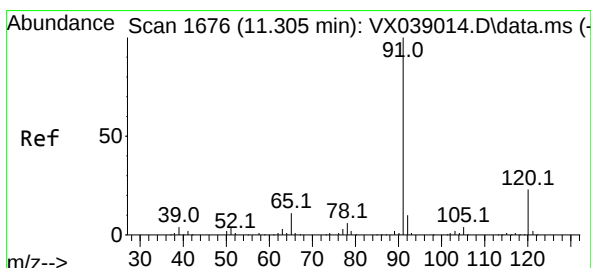
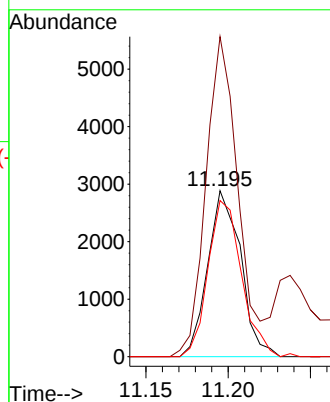
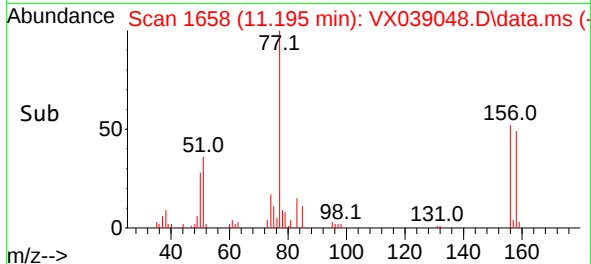
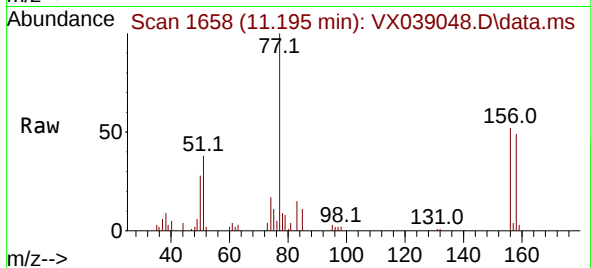
Tgt Ion:	156	Resp:	4010
Ion Ratio	Lower	Upper	
156	100		
77	185.5	0.0	363.2
158	95.7	0.0	197.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2023

Supervised By :Mahesh Dadoda 11/29/2023



#74

n-propylbenzene

Concen: 2.388 ug/l

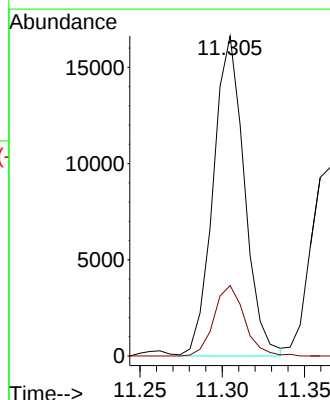
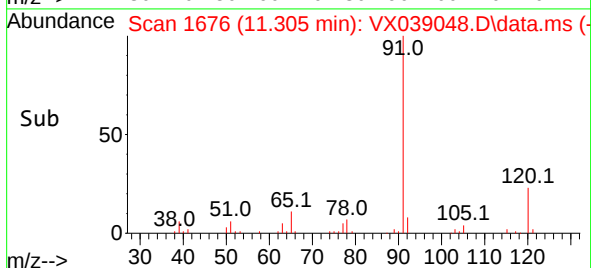
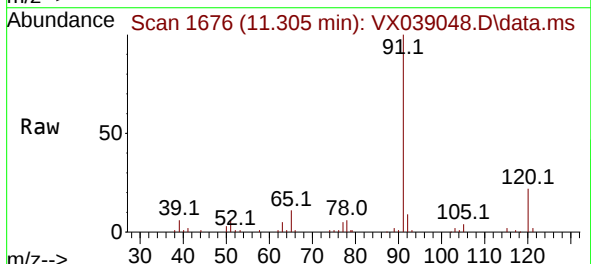
RT: 11.305 min Scan# 1676

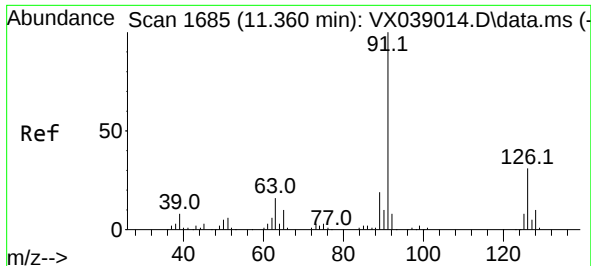
Delta R.T. -0.000 min

Lab File: VX039048.D

Acq: 28 Nov 2023 11:46

Tgt Ion:	91	Resp:	21914
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	43.4





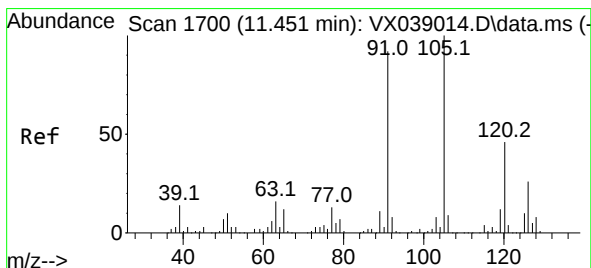
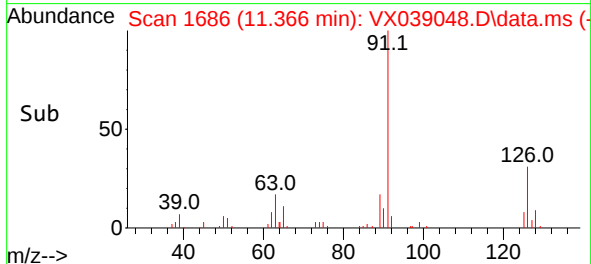
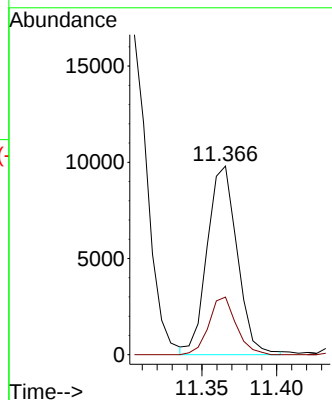
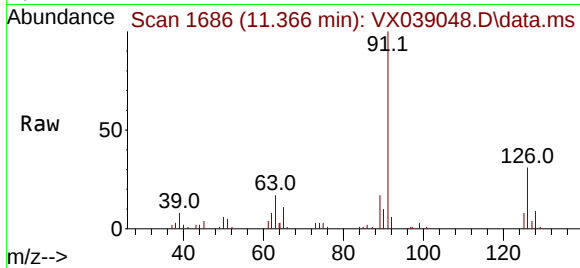
#75
2-Chlorotoluene
Concen: 2.543 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 91 Resp: 13690
Ion Ratio Lower Upper
91 100
126 27.8 0.0 64.2

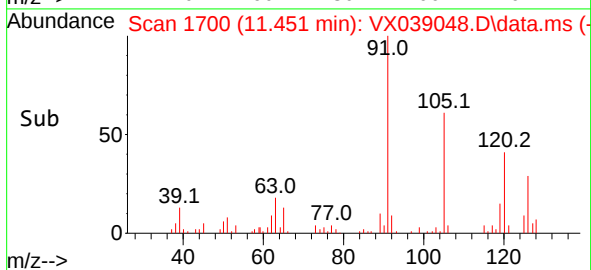
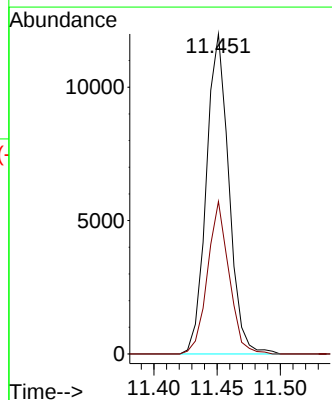
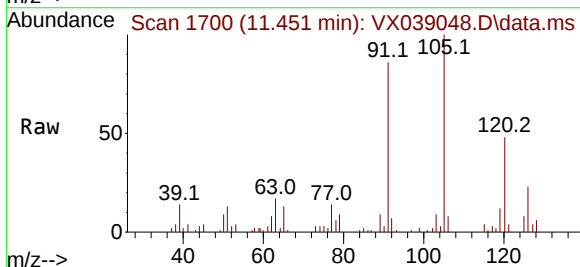
Manual Integrations
APPROVED

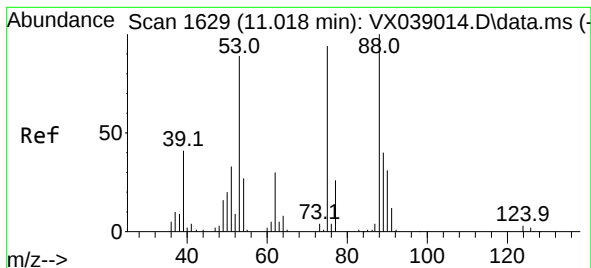
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#76
1,3,5-Trimethylbenzene
Concen: 2.307 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion:105 Resp: 14886
Ion Ratio Lower Upper
105 100
120 45.5 0.0 92.6





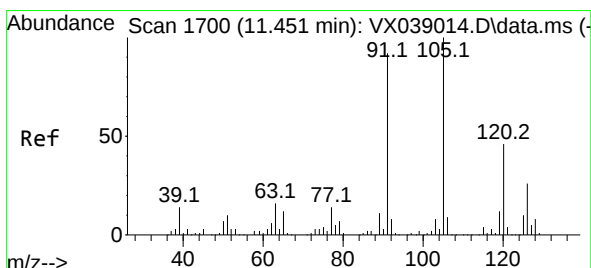
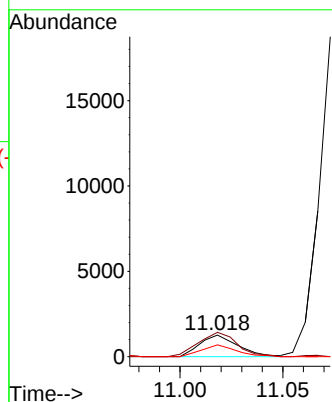
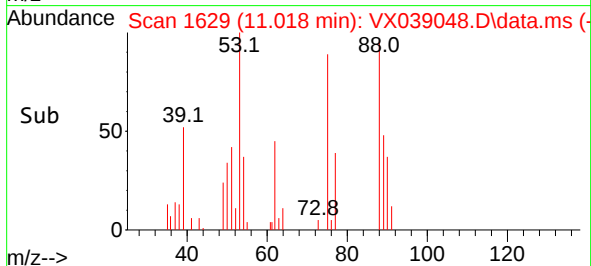
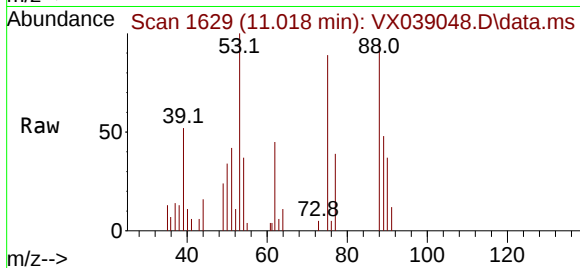
#77
t-1,4-Dichloro-2-butene
Concen: 1.735 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 75 Resp: 1629
Ion Ratio Lower Upper
75 100
53 112.5 46.9 140.8
89 54.5 21.3 63.7

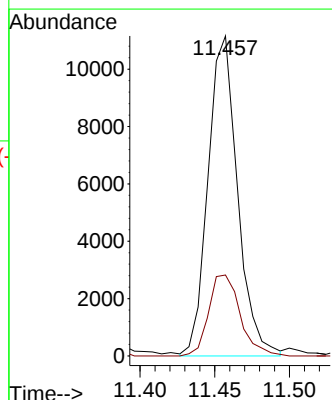
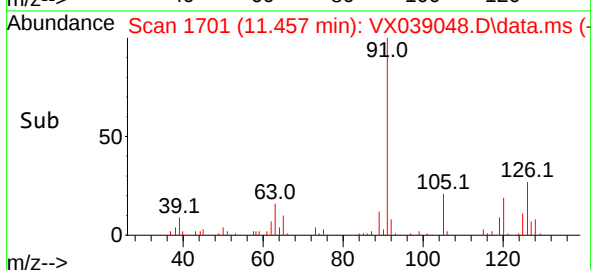
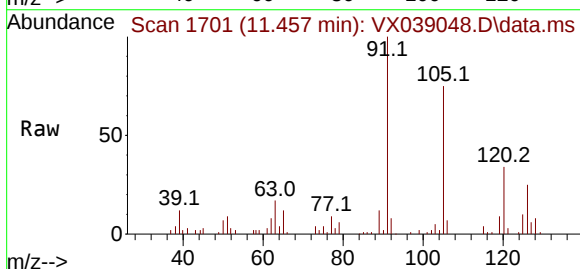
Manual Integrations
APPROVED

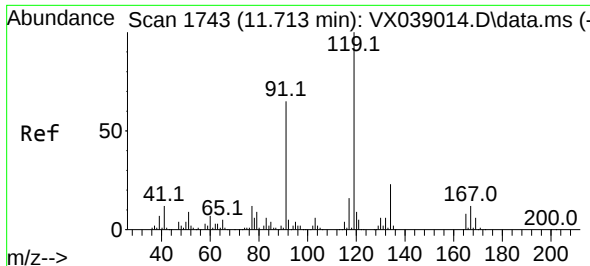
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#78
4-Chlorotoluene
Concen: 2.423 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion: 91 Resp: 15336
Ion Ratio Lower Upper
91 100
126 27.0 0.0 57.4





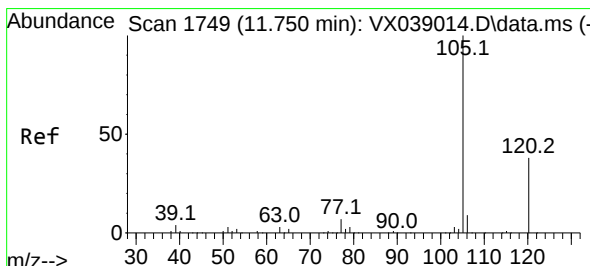
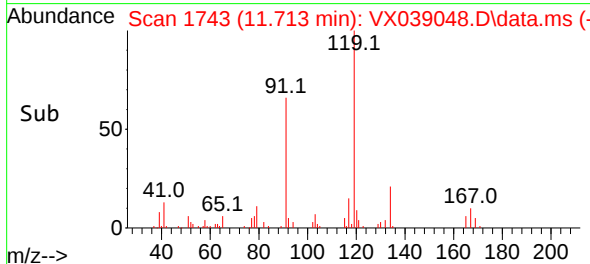
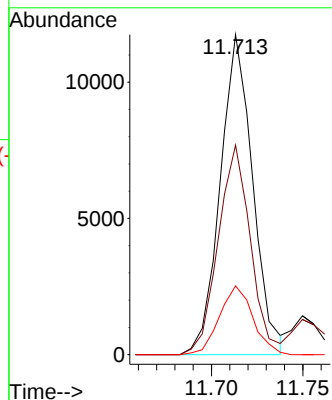
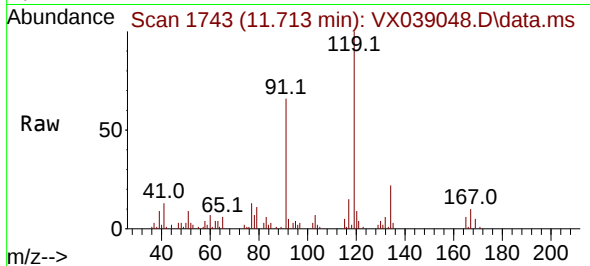
#79
tert-butylbenzene
Concen: 2.367 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:119 Resp: 1452
Ion Ratio Lower Upper
119 100
91 65.2 0.0 125.6
134 22.2 0.0 43.8

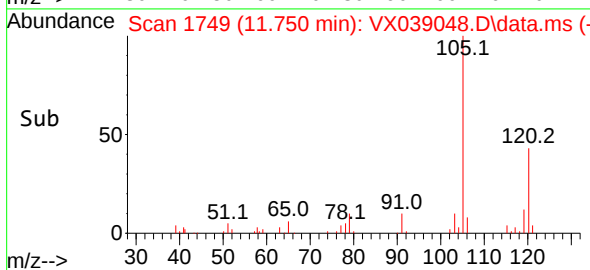
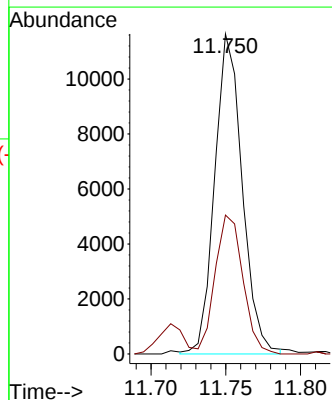
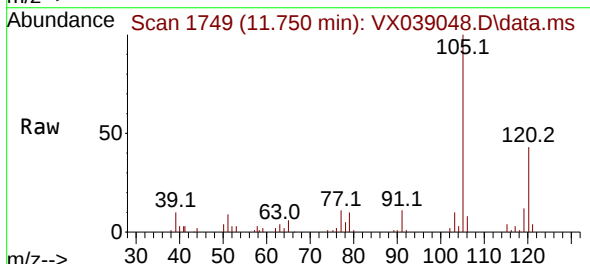
Manual Integrations
APPROVED

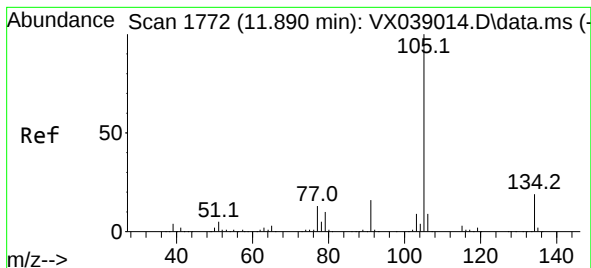
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#80
1,2,4-Trimethylbenzene
Concen: 2.302 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

Tgt Ion:105 Resp: 14867
Ion Ratio Lower Upper
105 100
120 43.7 0.0 86.4





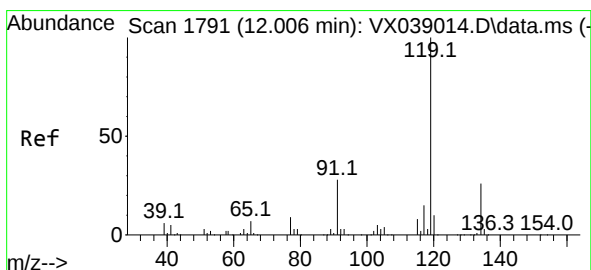
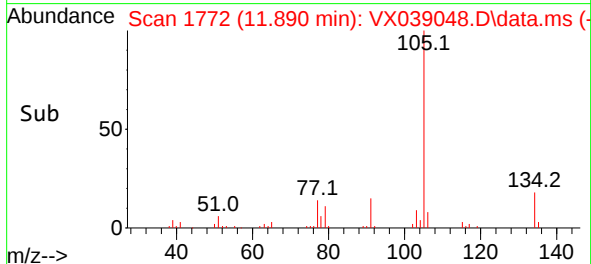
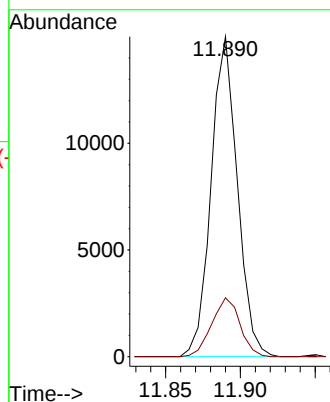
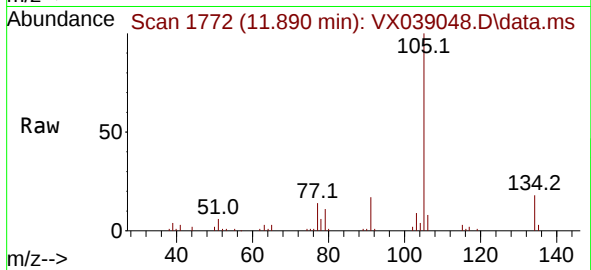
#81
 sec-Butylbenzene
 Concen: 2.361 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX039048.D
 Acq: 28 Nov 2023 11:46

Instrument : MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Tgt Ion:105 Resp: 1831
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 38.4

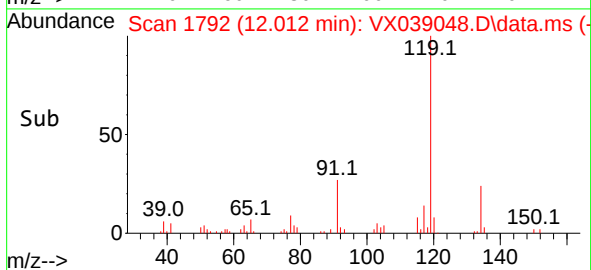
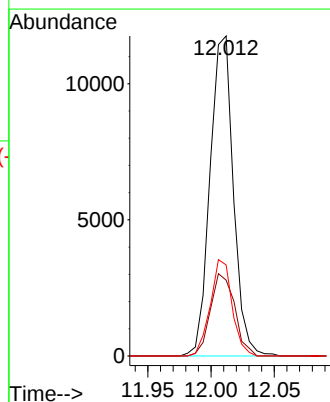
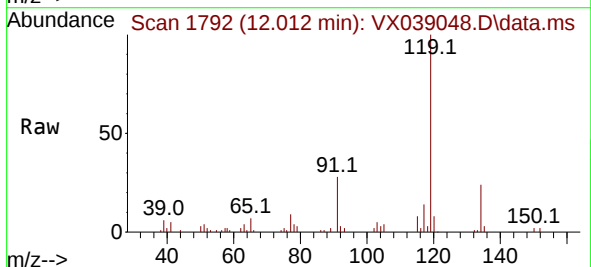
Manual Integrations
 APPROVED

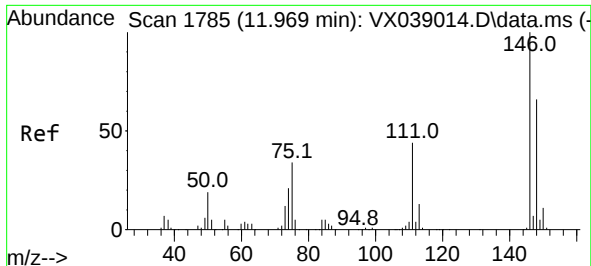
Reviewed By :John Carlone 11/29/2023
 Supervised By :Mahesh Dadoda 11/29/2023



#82
 p-Isopropyltoluene
 Concen: 2.300 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX039048.D
 Acq: 28 Nov 2023 11:46

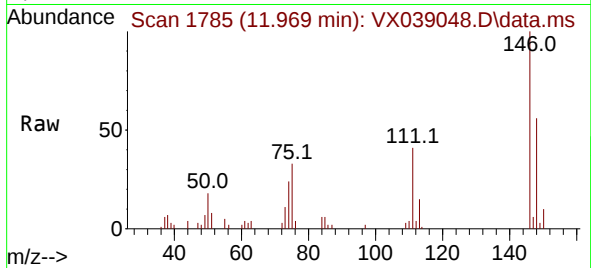
Tgt Ion:119 Resp: 15118
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 28.1 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 2.358 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

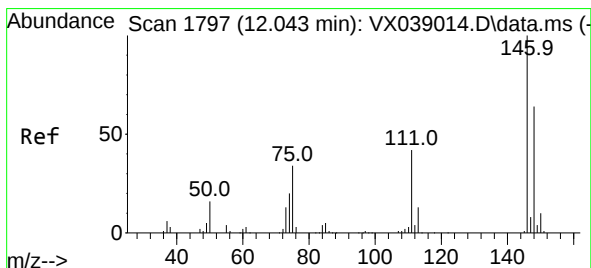
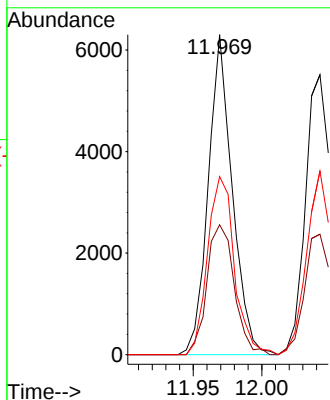
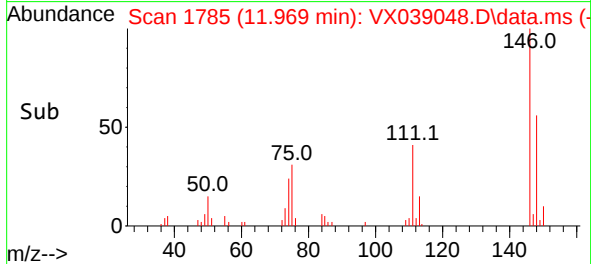
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



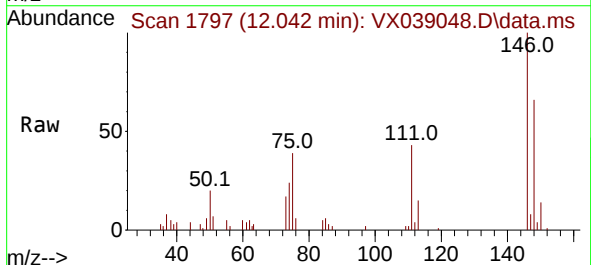
Tgt Ion:146 Resp: 7690
Ion Ratio Lower Upper
146 100
111 46.2 22.3 66.9
148 62.0 32.8 98.3

Manual Integrations
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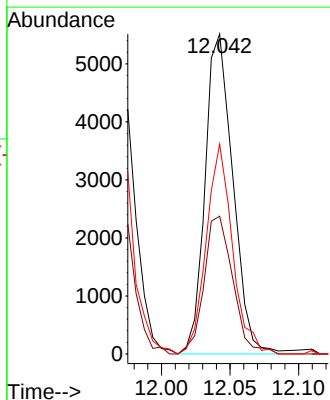
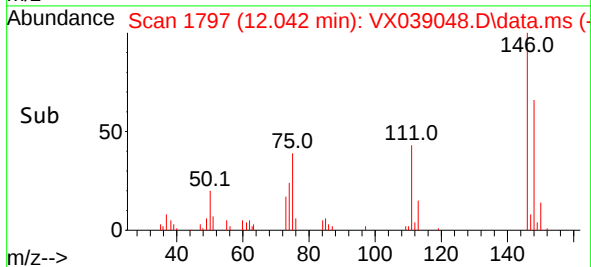
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

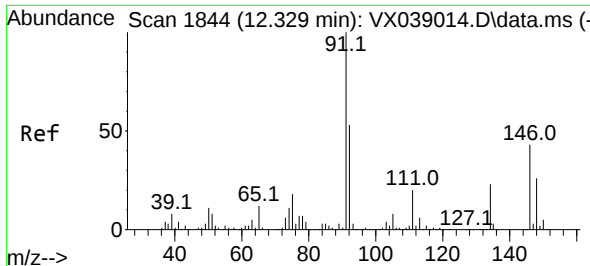


#84
1,4-Dichlorobenzene
Concen: 2.322 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



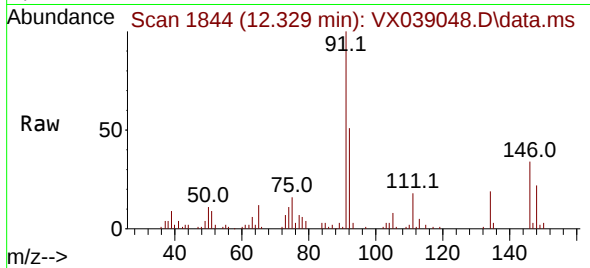
Tgt Ion:146 Resp: 7777
Ion Ratio Lower Upper
146 100
111 44.5 21.4 64.2
148 61.8 31.8 95.4





#85
n-Butylbenzene
Concen: 2.333 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

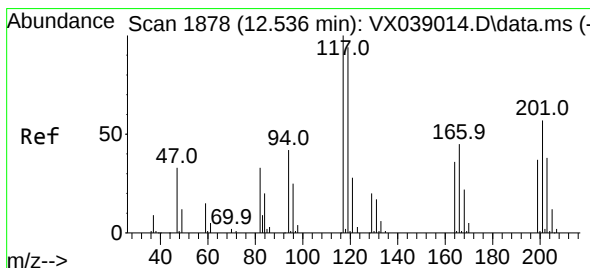
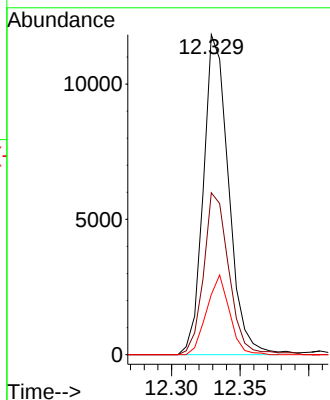
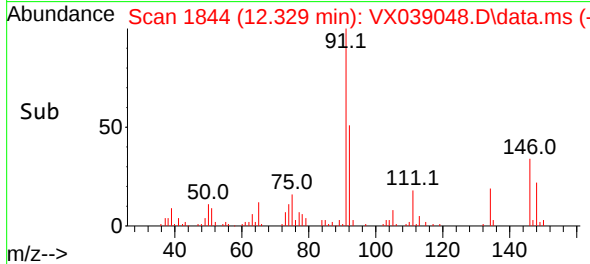
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 91 Resp: 15140
Ion Ratio Lower Upper
91 100
92 50.6 0.0 106.2
134 22.5 0.0 48.8

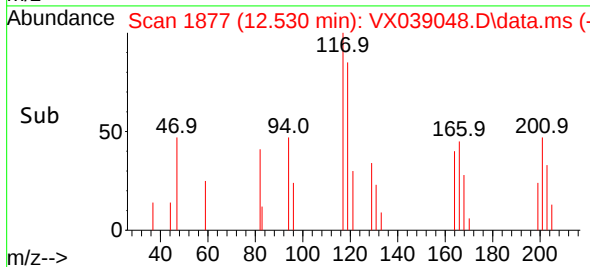
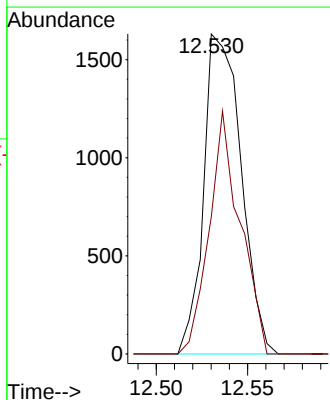
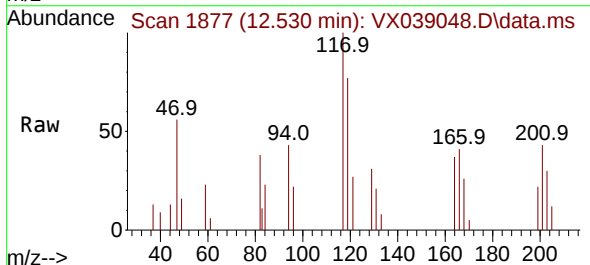
Manual Integrations
APPROVED

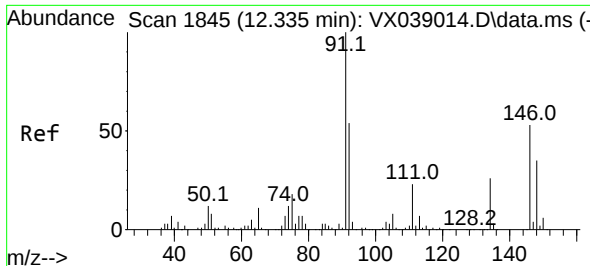
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#86
Hexachloroethane
Concen: 1.867 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

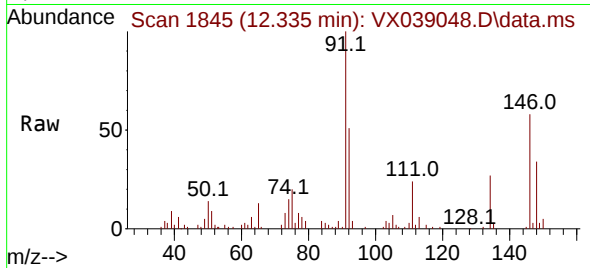
Tgt Ion:117 Resp: 2325
Ion Ratio Lower Upper
117 100
201 62.8 31.8 95.3





#87
1,2-Dichlorobenzene
Concen: 2.392 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

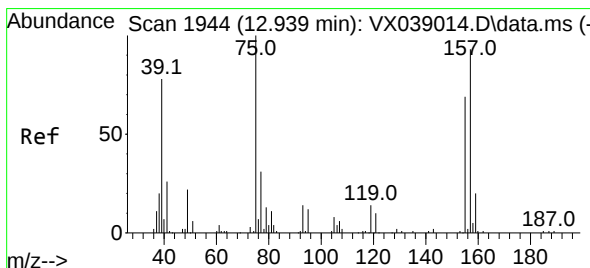
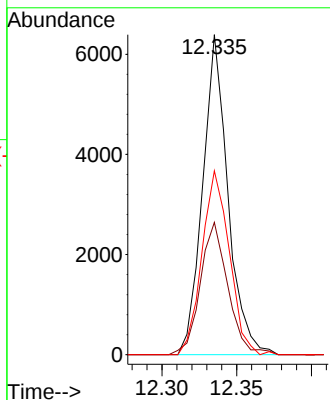
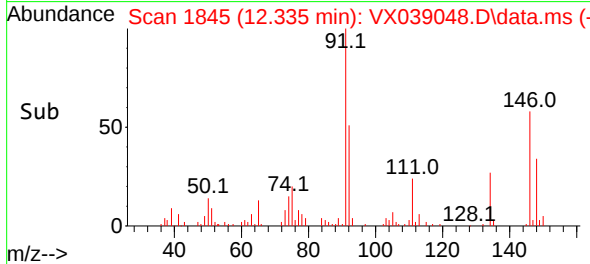
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2023



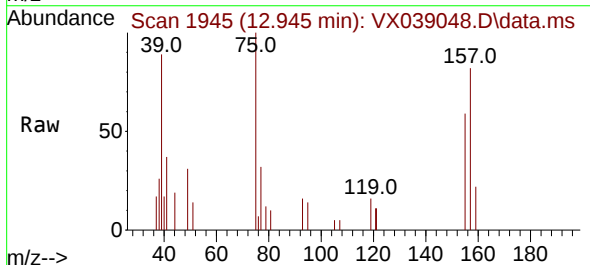
Tgt Ion:146 Resp: 7500
Ion Ratio Lower Upper
146 100
111 44.3 22.4 67.2
148 62.1 31.9 95.7

Manual Integrations
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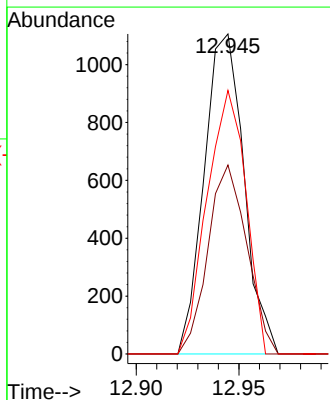
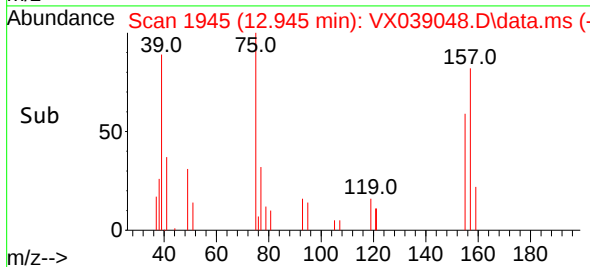
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

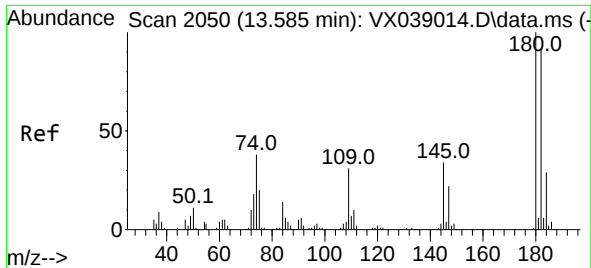


#88
1,2-Dibromo-3-Chloropropane
Concen: 2.082 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



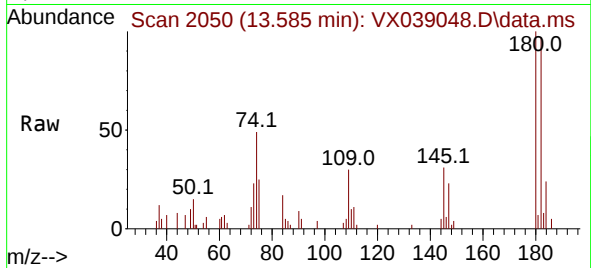
Tgt Ion: 75 Resp: 1489
Ion Ratio Lower Upper
75 100
155 58.0 58.2 87.4#
157 80.6 76.5 114.7





#89
1,2,4-Trichlorobenzene
Concen: 2.118 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

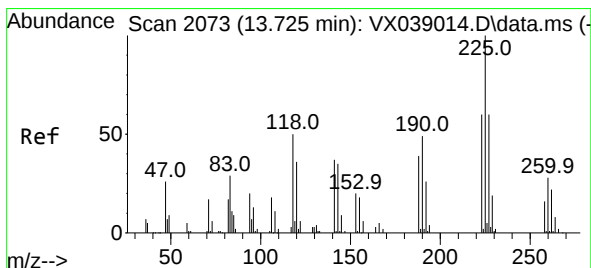
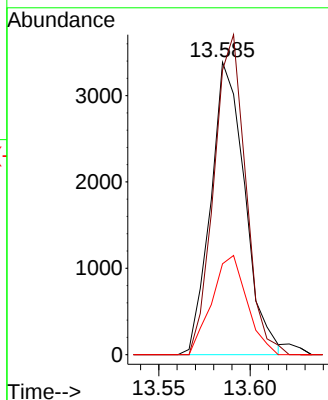
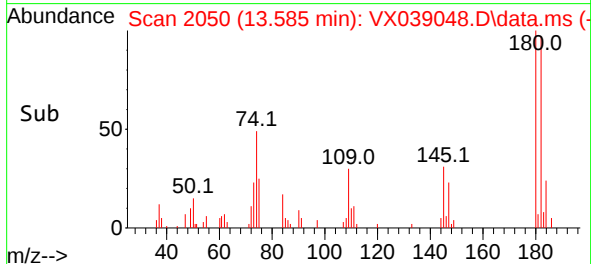
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



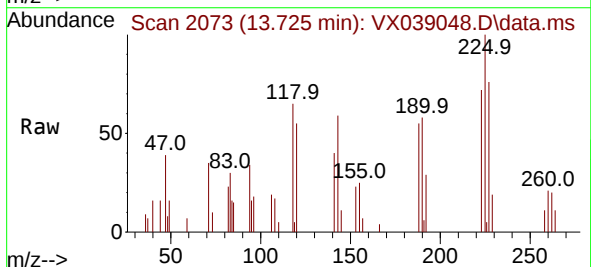
Tgt Ion:180 Resp: 4400
Ion Ratio Lower Upper
180 100
182 101.4 74.5 111.7
145 34.9 26.6 40.0

Manual Integrations
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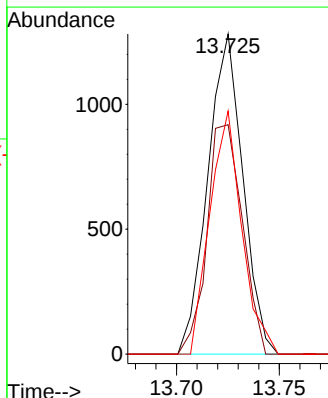
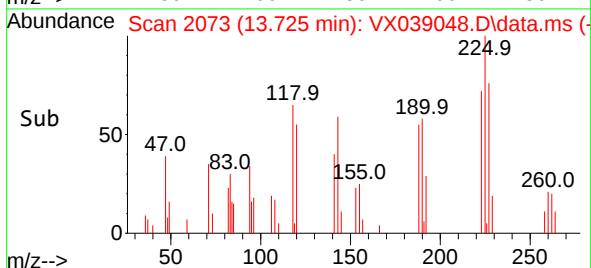
Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023

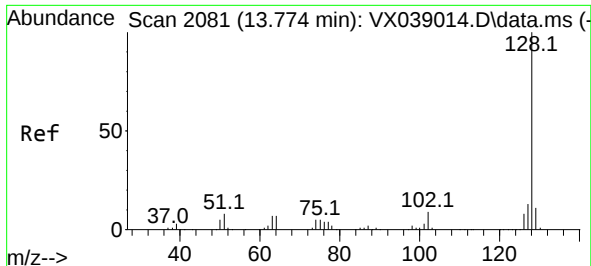


#90
Hexachlorobutadiene
Concen: 2.051 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



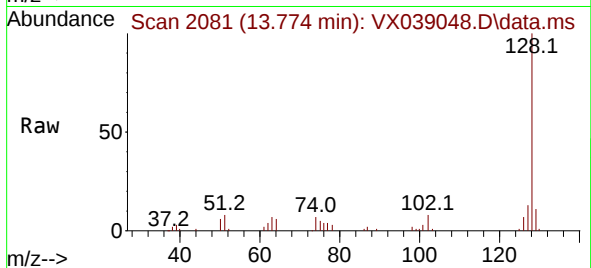
Tgt Ion:225 Resp: 1524
Ion Ratio Lower Upper
225 100
223 72.2 0.0 124.4
227 69.1 0.0 124.4





#91
Naphthalene
Concen: 2.140 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46

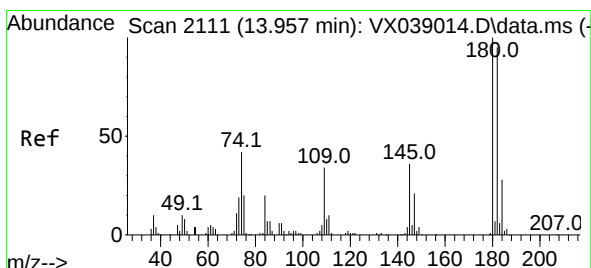
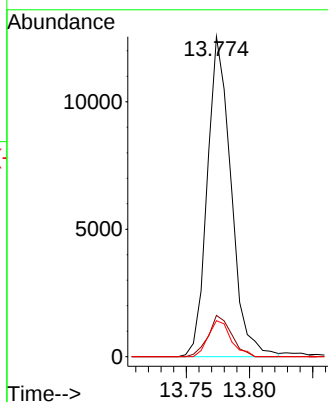
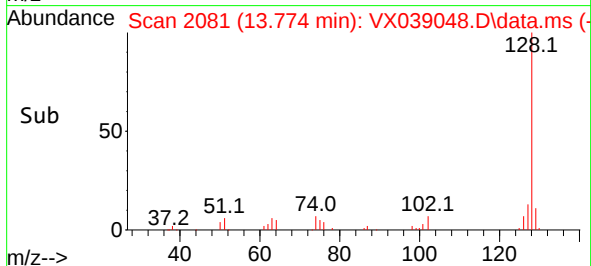
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2023



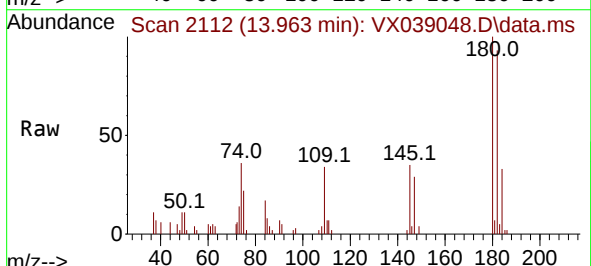
Tgt Ion:128 Resp: 16419
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.7 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/29/2023
Supervised By :Mahesh Dadoda 11/29/2023



#92
1,2,3-Trichlorobenzene
Concen: 2.213 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX039048.D
Acq: 28 Nov 2023 11:46



Tgt Ion:180 Resp: 4459
Ion Ratio Lower Upper
180 100
182 93.1 0.0 191.6
145 41.0 0.0 69.6

