

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032543.D
 Acq On : 02 Nov 2022 17:13
 Operator : JC/MD
 Sample : N4955-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Nov 03 04:05:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 04:02:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/03/2022
 Supervised By : Mahesh Dadoda 11/03/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	98118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69522	50.994	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.980%			
35) Dibromofluoromethane	5.385	113	55716	48.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	8.653	98	187747	47.232	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.460%			
62) 4-Bromofluorobenzene	11.079	95	68833	44.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	699	0.618	ug/l	98
3) Chloromethane	1.294	50	644	0.673	ug/l	99
4) Vinyl Chloride	1.374	62	744	0.706	ug/l #	80
5) Bromomethane	1.611	94	798	0.948	ug/l	98
6) Chloroethane	1.685	64	517	0.732	ug/l #	70
7) Trichlorofluoromethane	1.886	101	1372	0.687	ug/l	98
8) Diethyl Ether	2.136	74	489	0.756	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	793	0.753	ug/l	97
10) Methyl Iodide	2.453	142	588	0.537	ug/l #	83
11) Tert butyl alcohol	2.953	59	1735	8.744	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	750	0.762	ug/l	81
13) Acrolein	2.239	56	755	3.811	ug/l	96
14) Allyl chloride	2.660	41	1112	0.709	ug/l #	89
15) Acrylonitrile	3.075	53	1989	3.693	ug/l	94
16) Acetone	2.380	43	2027	4.091	ug/l #	89
17) Carbon Disulfide	2.508	76	1310	0.559	ug/l #	86
18) Methyl Acetate	2.703	43	1146	0.711	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	2432	0.703	ug/l	100
20) Methylene Chloride	2.788	84	1489	1.311	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	769	0.718	ug/l #	79
22) Diisopropyl ether	3.770	45	2280	0.672	ug/l #	80
23) Vinyl Acetate	3.727	43	8677	3.166	ug/l	98
24) 1,1-Dichloroethane	3.611	63	1477	0.757	ug/l #	82
25) 2-Butanone	4.568	43	3000	3.908	ug/l	99
26) 2,2-Dichloropropane	4.483	77	897	0.578	ug/l #	72
27) cis-1,2-Dichloroethene	4.489	96	999	0.807	ug/l	90
28) Bromochloromethane	4.904	49	627	0.902	ug/l #	96
29) Tetrahydrofuran	5.025	42	1831	3.740	ug/l #	91
30) Chloroform	5.105	83	1469	0.686	ug/l	91
31) Cyclohexane	5.471	56	1113	0.673	ug/l #	74
32) 1,1,1-Trichloroethane	5.385	97	1420	0.739	ug/l #	51
36) 1,1-Dichloropropene	5.702	75	991	0.623	ug/l #	79
37) Ethyl Acetate	4.733	43	1192	0.719	ug/l #	72
38) Carbon Tetrachloride	5.672	117	1153	0.653	ug/l	88
39) Methylcyclohexane	7.385	83	1107	0.588	ug/l #	76
40) Benzene	6.044	78	3395	0.754	ug/l	95

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	496m	0.588	ug/l	
42) 1,2-Dichloroethane	6.105	62	1378	0.748	ug/l #	77
43) Isopropyl Acetate	6.355	43	1633	0.642	ug/l #	89
44) Trichloroethene	7.129	130	806	0.636	ug/l	97
45) 1,2-Dichloropropane	7.446	63	854	0.739	ug/l #	78
46) Dibromomethane	7.592	93	685	0.772	ug/l #	84
47) Bromodichloromethane	7.830	83	1063	0.632	ug/l #	94
48) Methyl methacrylate	7.696	41	792	0.603	ug/l	96
49) 1,4-Dioxane	7.684	88	307	12.260	ug/l #	58
51) 4-Methyl-2-Pentanone	8.580	43	5406	3.373	ug/l	94
52) Toluene	8.726	92	2027	0.690	ug/l	100
53) t-1,3-Dichloropropene	8.988	75	980	0.571	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	1049	0.572	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	950	0.768	ug/l	87
56) Ethyl methacrylate	9.122	69	924	0.519	ug/l	87
57) 1,3-Dichloropropane	9.311	76	1372	0.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2988	3.484	ug/l	99
59) 2-Hexanone	9.433	43	3634	3.056	ug/l	97
60) Dibromochloromethane	9.525	129	846	0.626	ug/l	97
61) 1,2-Dibromoethane	9.610	107	733	0.559	ug/l	93
64) Tetrachloroethene	9.281	164	798	0.778	ug/l #	74
65) Chlorobenzene	10.079	112	2135	0.680	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	817	0.691	ug/l #	65
67) Ethyl Benzene	10.195	91	4069	0.725	ug/l	96
68) m/p-Xylenes	10.305	106	3118	1.430	ug/l	94
69) o-Xylene	10.646	106	1359	0.641	ug/l	86
70) Styrene	10.659	104	2014	0.572	ug/l	92
71) Bromoform	10.805	173	559	0.598	ug/l #	93
73) Isopropylbenzene	10.963	105	3656	0.686	ug/l	94
74) N-amyl acetate	10.848	43	1220	0.605	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	1325	0.774	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1372	0.916	ug/l	87
77) Bromobenzene	11.201	156	982	0.751	ug/l	99
78) n-propylbenzene	11.305	91	4432	0.721	ug/l	92
79) 2-Chlorotoluene	11.366	91	2589	0.704	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	2988	0.656	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	209m	0.444	ug/l	
82) 4-Chlorotoluene	11.457	91	2989	0.694	ug/l	97
83) tert-Butylbenzene	11.719	119	3040	0.668	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3196	0.705	ug/l	96
85) sec-Butylbenzene	11.890	105	3589	0.655	ug/l	96
86) p-Isopropyltoluene	12.012	119	2963	0.638	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	1670	0.677	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	1906m	0.745	ug/l	
89) n-Butylbenzene	12.335	91	2451	0.606	ug/l	94
90) Hexachloroethane	12.536	117	506	0.667	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	1738	0.715	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.951	75	255	0.679	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	986	0.622	ug/l	94
94) Hexachlorobutadiene	13.725	225	385	0.581	ug/l	98
95) Naphthalene	13.780	128	3480	0.659	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	1001	0.621	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Nov 03 04:02:03 2022
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Manual Integrations
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Supervised By :Mahesh Dadoda 11/03/2022

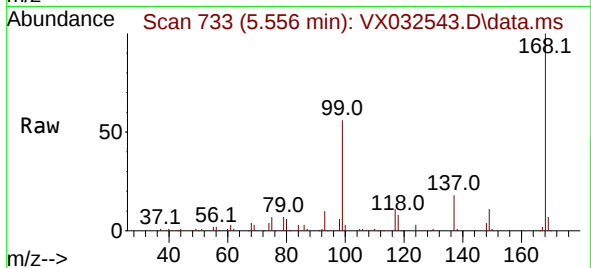
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032543.D
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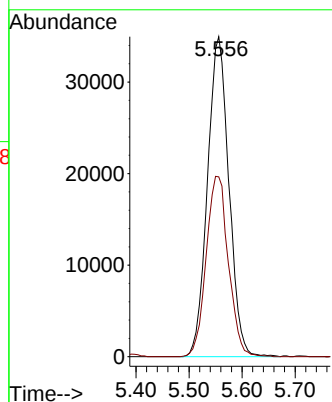
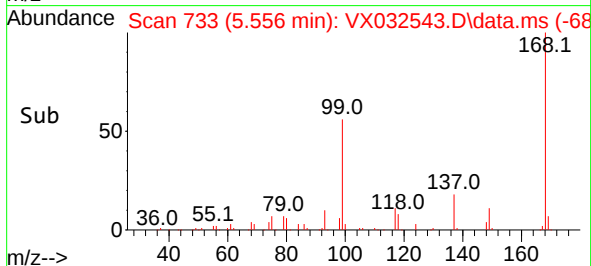
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:168 Resp: 98118
Ion Ratio Lower Upper
168 100
99 56.2 46.1 69.1

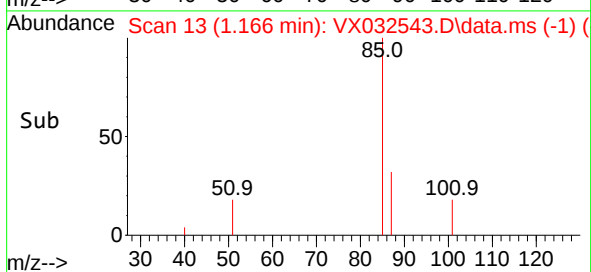
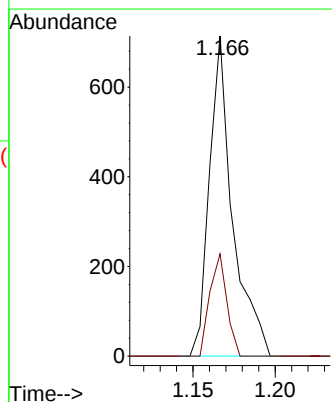
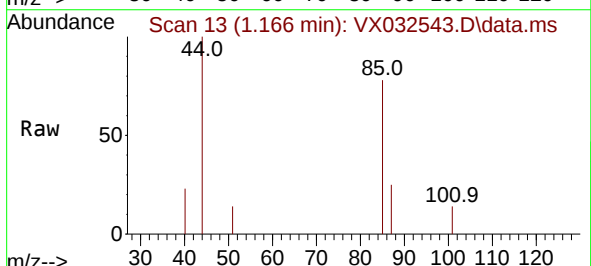
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#2
Dichlorodifluoromethane
Concen: 0.618 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

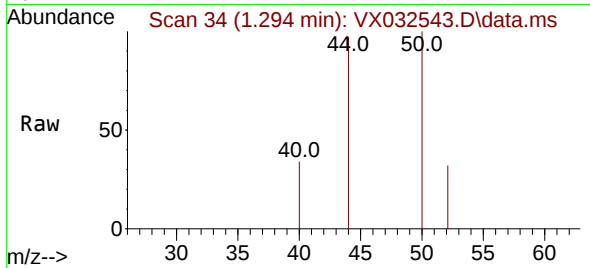
Tgt Ion: 85 Resp: 699
Ion Ratio Lower Upper
85 100
87 31.9 15.6 46.7





#3
Chloromethane
Concen: 0.673 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

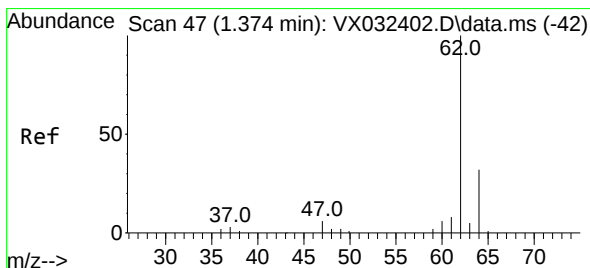
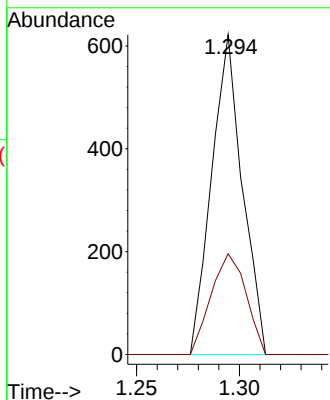
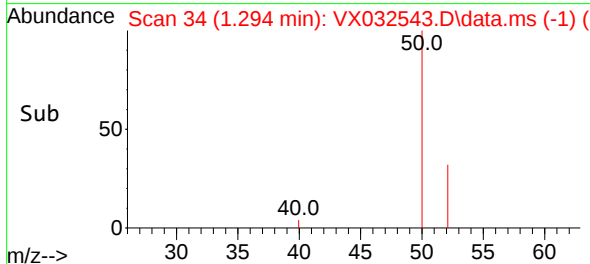
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



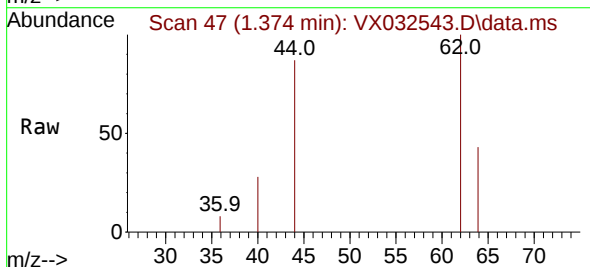
Tgt Ion: 50 Resp: 644
Ion Ratio Lower Upper
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52 31.5 25.4 38.2

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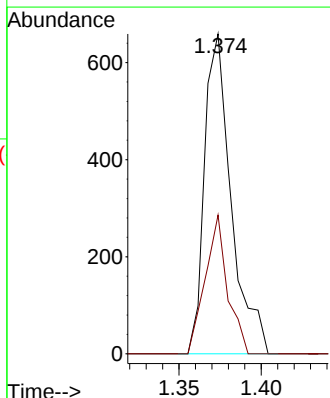
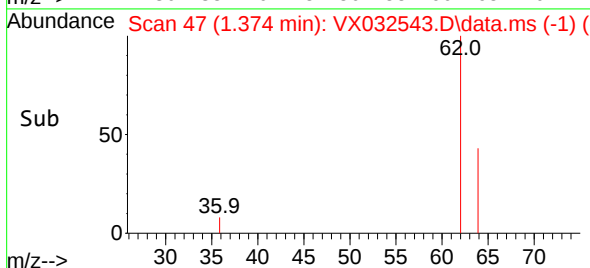
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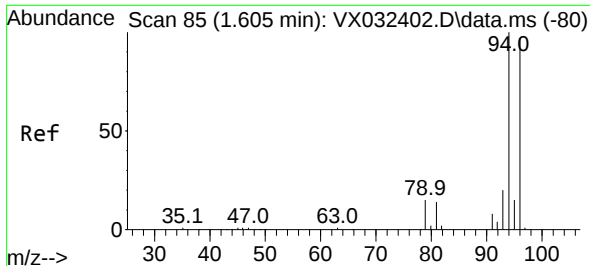


#4
Vinyl Chloride
Concen: 0.706 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



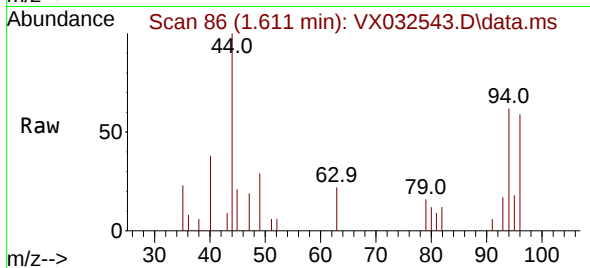
Tgt Ion: 62 Resp: 744
Ion Ratio Lower Upper
62 100
64 43.4 25.8 38.6#





#5
Bromomethane
Concen: 0.948 ug/l
RT: 1.611 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

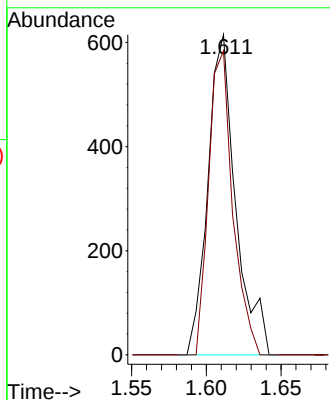
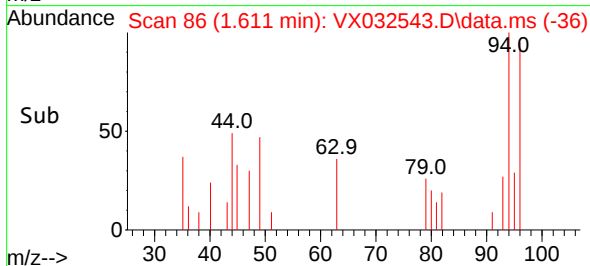
Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 94 Resp: 798
Ion Ratio Lower Upper
94 100
96 95.0 77.6 116.4

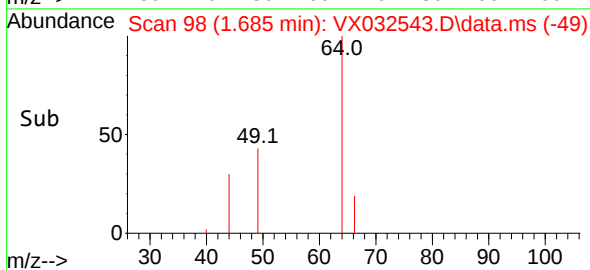
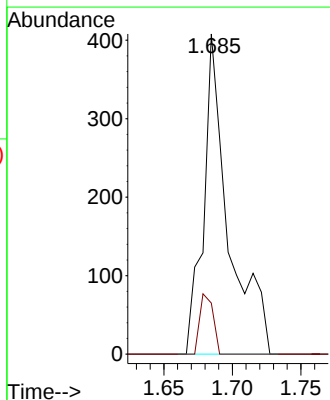
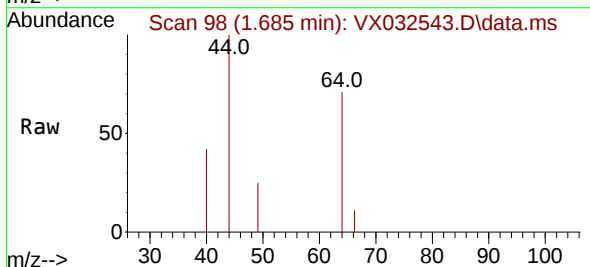
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#6
Chloroethane
Concen: 0.732 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

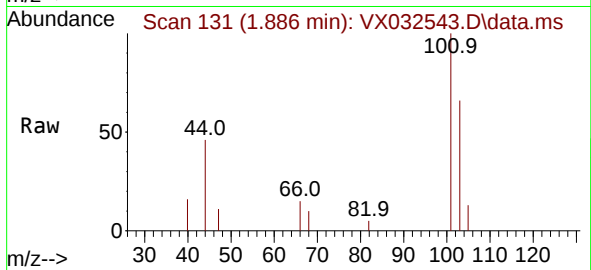
Tgt Ion: 64 Resp: 517
Ion Ratio Lower Upper
64 100
66 15.9 26.0 39.0#





#7
 Trichlorofluoromethane
 Concen: 0.687 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13

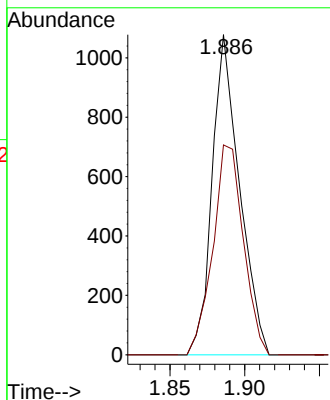
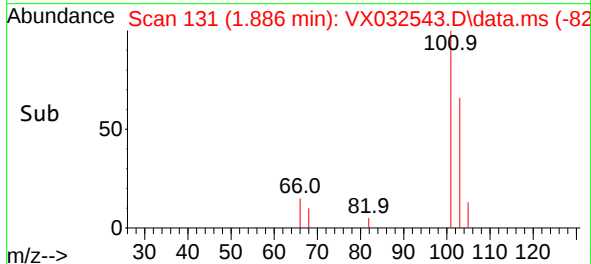
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Tgt Ion:101 Resp: 1372
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.2

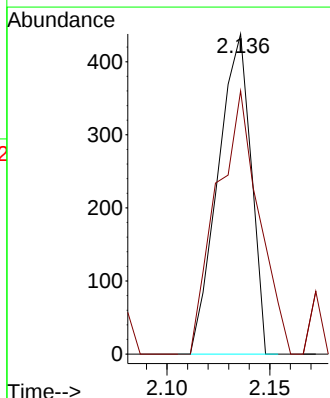
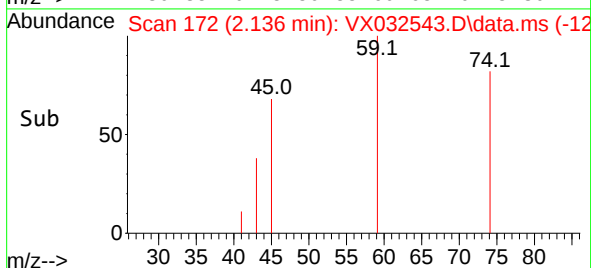
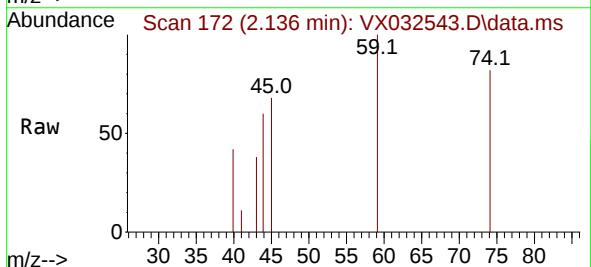
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#8
 Diethyl Ether
 Concen: 0.756 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13

Tgt Ion: 74 Resp: 489
 Ion Ratio Lower Upper
 74 100
 45 104.7 46.6 139.7





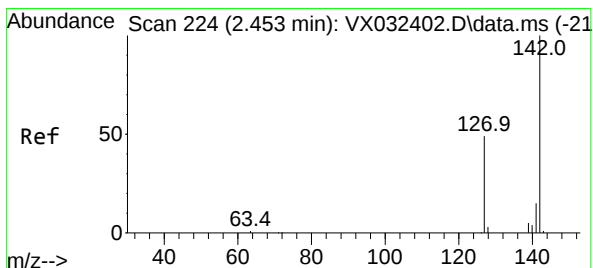
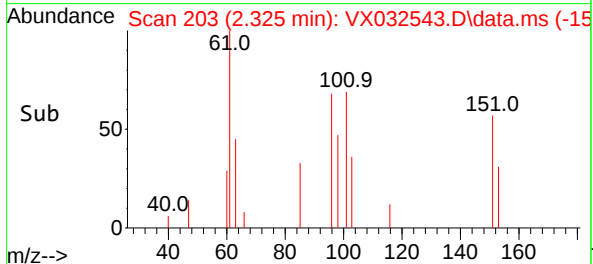
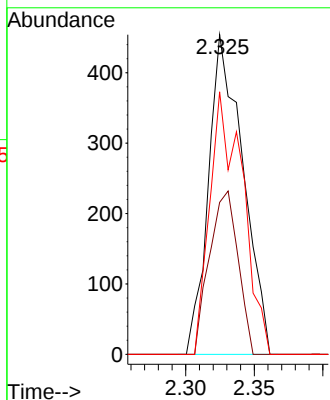
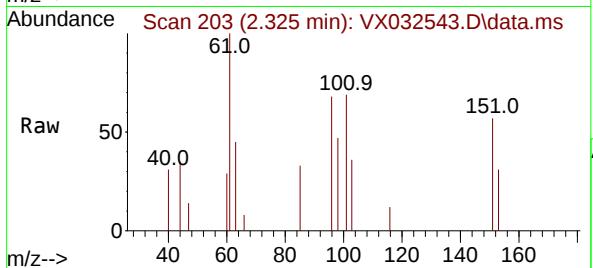
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.753 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
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Tgt Ion:101 Resp: 79
Ion Ratio Lower Upper
101 100
85 42.4 37.0 55.4
151 78.6 64.4 96.6

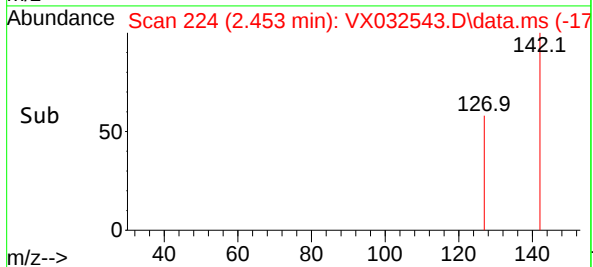
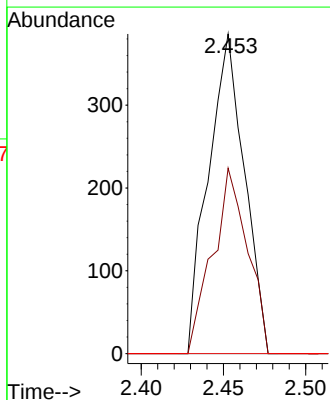
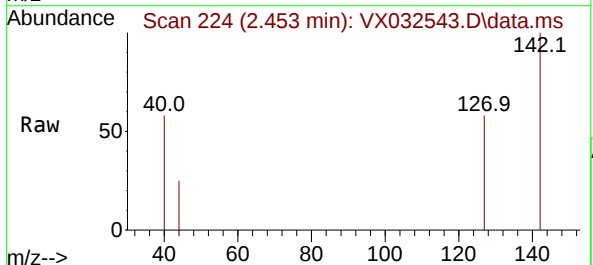
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#10
Methyl Iodide
Concen: 0.537 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 56.5 38.6 57.8
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 8.744 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

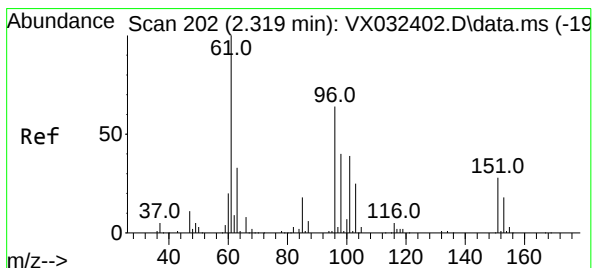
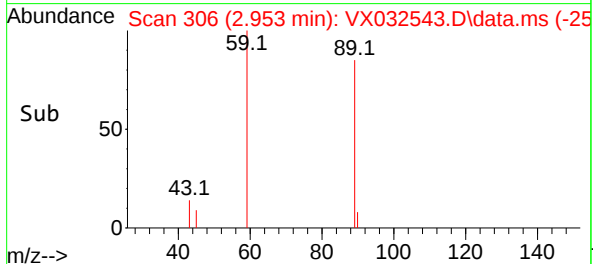
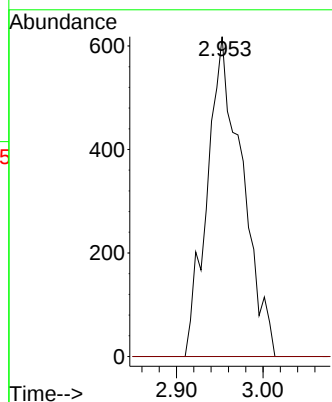
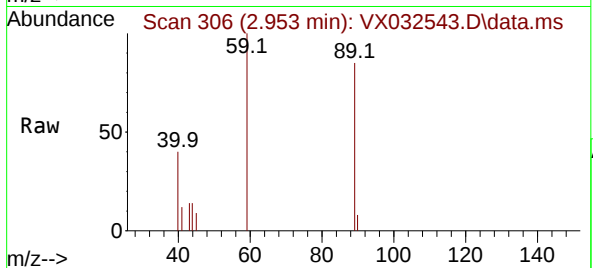
ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 59 Resp: 1735
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4

Manual Integrations
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Reviewed By :John Carlone 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022



#12

1,1-Dichloroethene

Concen: 0.762 ug/l

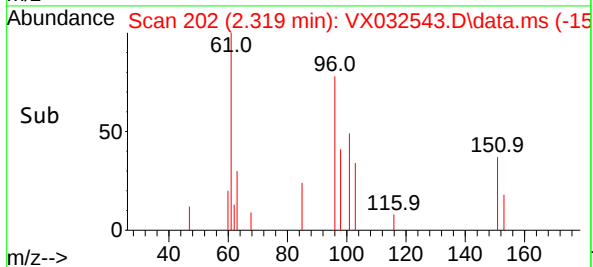
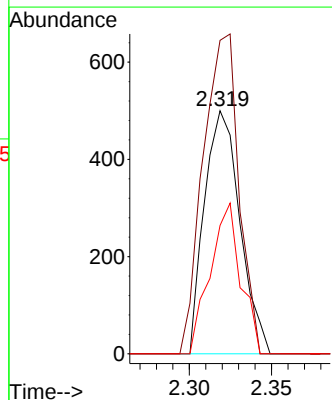
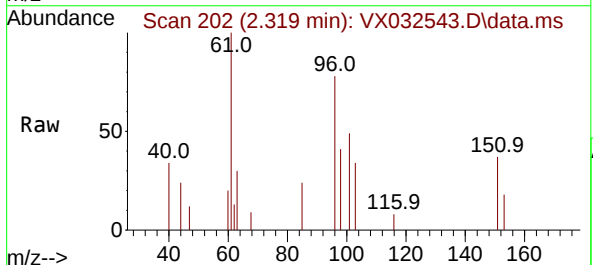
RT: 2.319 min Scan# 202

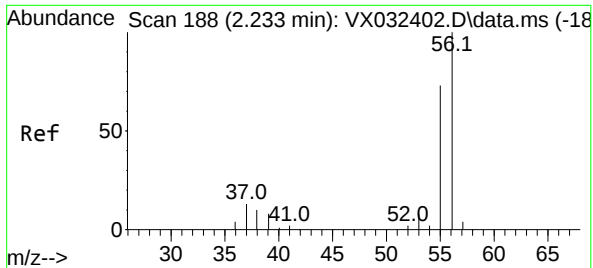
Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Tgt Ion: 96 Resp: 750
 Ion Ratio Lower Upper
 96 100
 61 129.0 125.1 187.7
 98 52.8 50.6 76.0





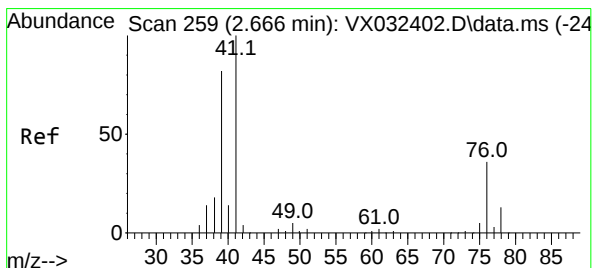
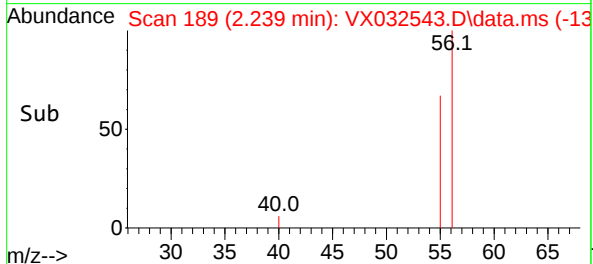
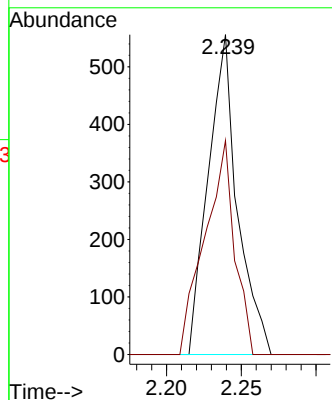
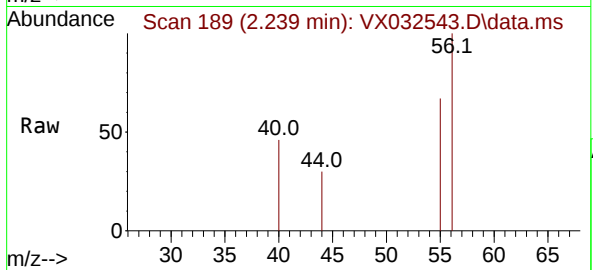
#13
Acrolein
Concen: 3.811 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 68.1 56.9 85.3

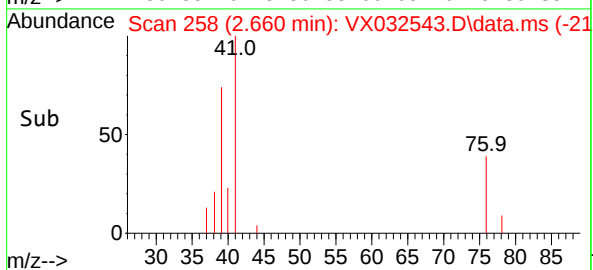
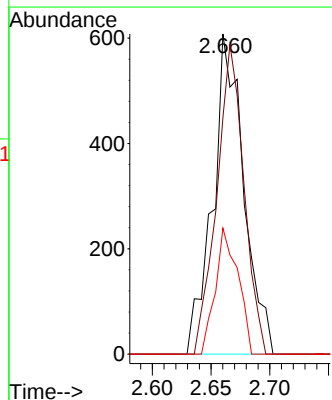
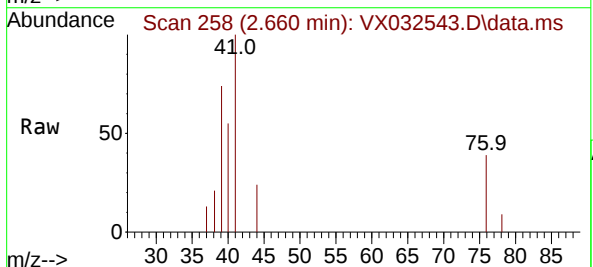
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#14
Allyl chloride
Concen: 0.709 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

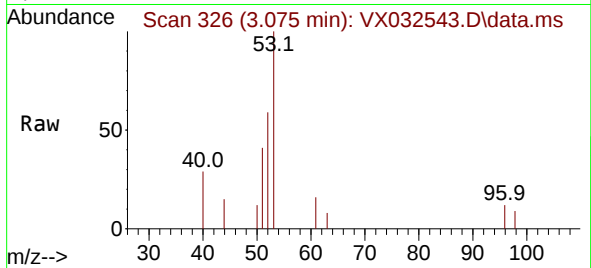
Tgt Ion: 41 Resp: 1112
Ion Ratio Lower Upper
41 100
39 85.1 61.4 92.2
76 28.7 29.2 43.8





#15
Acrylonitrile
Concen: 3.693 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

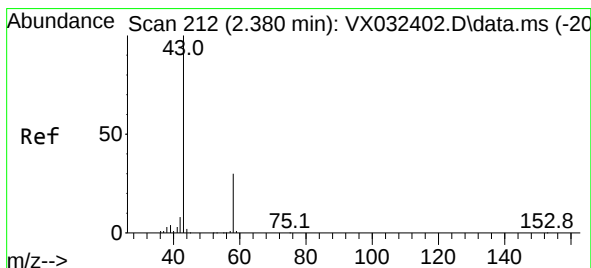
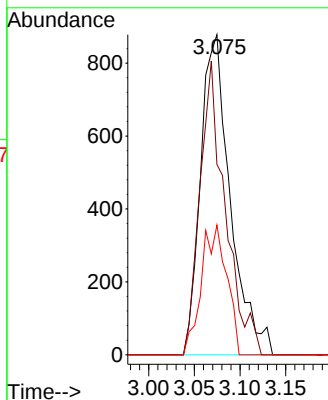
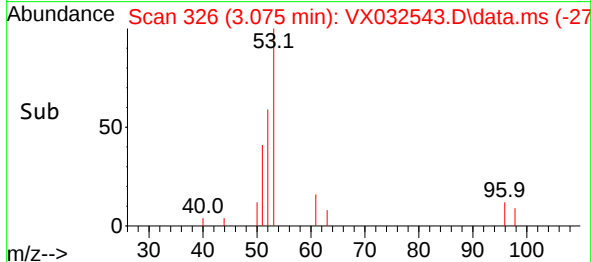
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 53 Resp: 1989
Ion Ratio Lower Upper
53 100
52 78.2 67.4 101.0
51 34.5 30.3 45.5

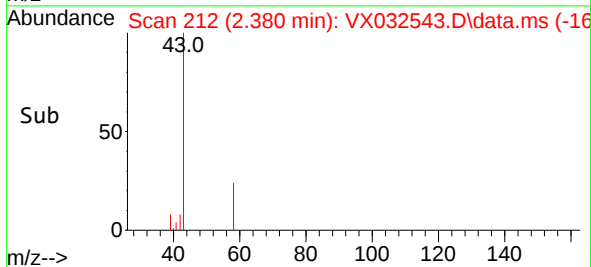
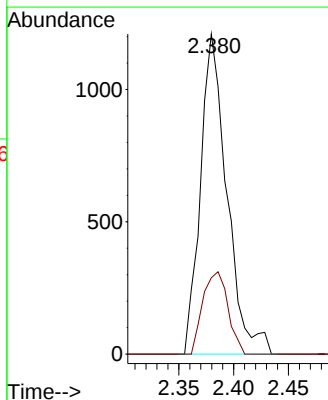
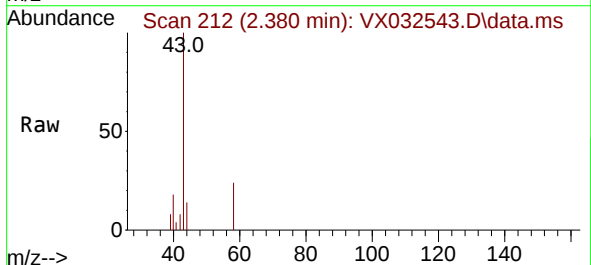
Manual Integrations
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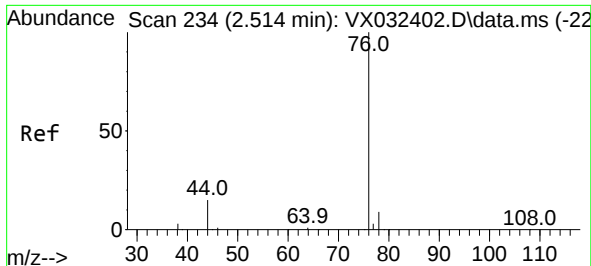
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#16
Acetone
Concen: 4.091 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 23.8 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.559 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 76 Resp: 1310

Ion Ratio Lower Upper

76 100

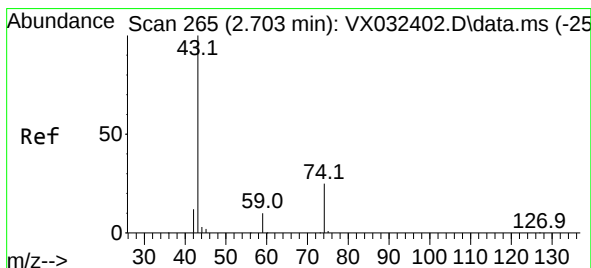
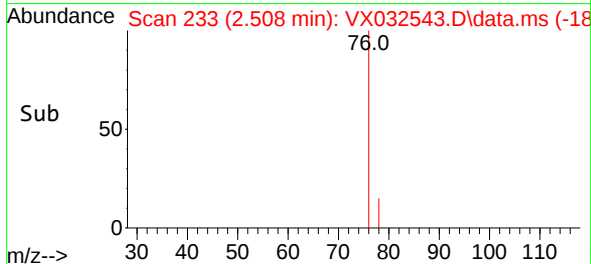
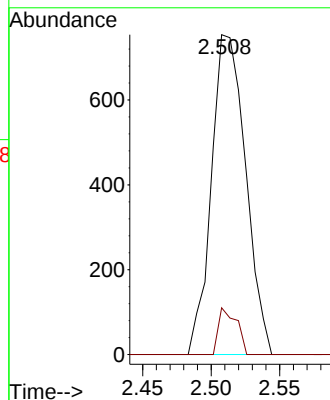
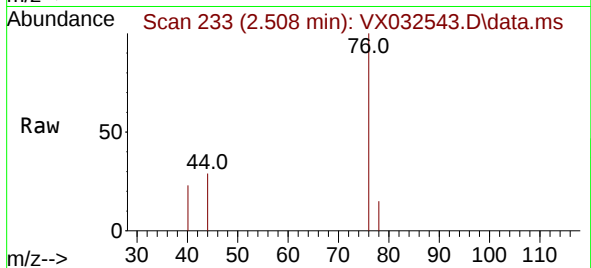
78 14.6 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#18

Methyl Acetate

Concen: 0.711 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX032543.D

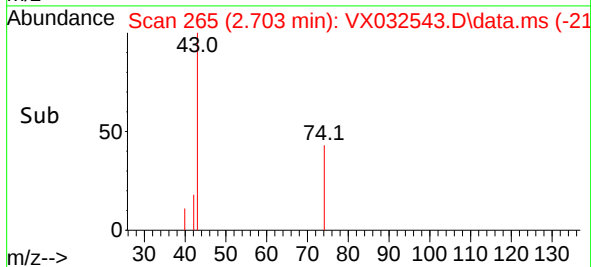
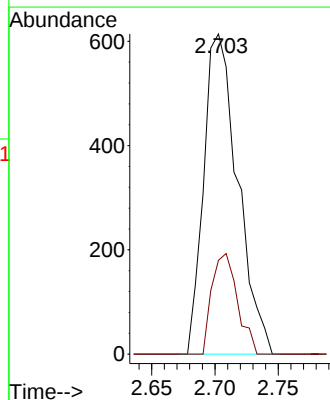
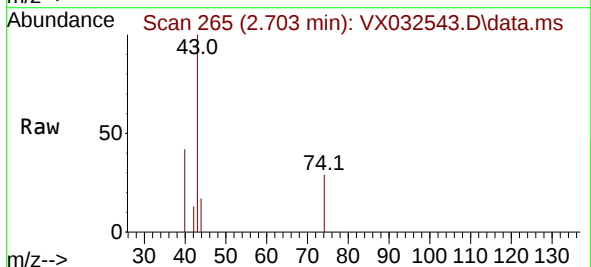
Acq: 02 Nov 2022 17:13

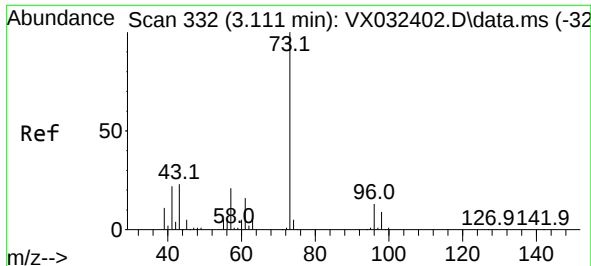
Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.0





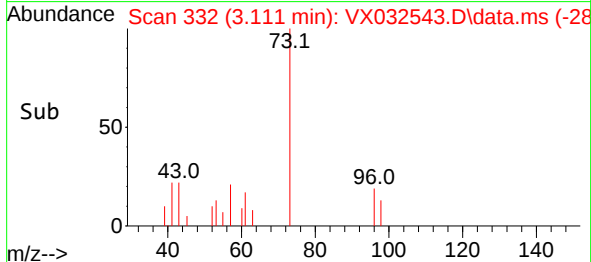
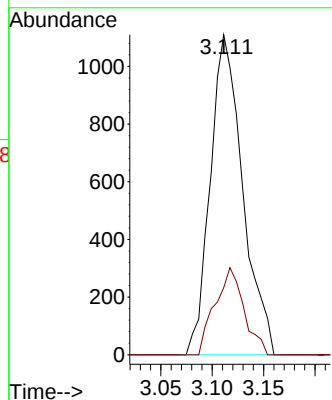
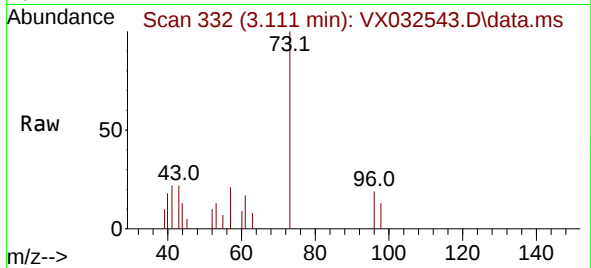
#19
Methyl tert-butyl Ether
Concen: 0.703 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 73 Resp: 243
Ion Ratio Lower Upper
73 100
57 21.0 16.6 25.0

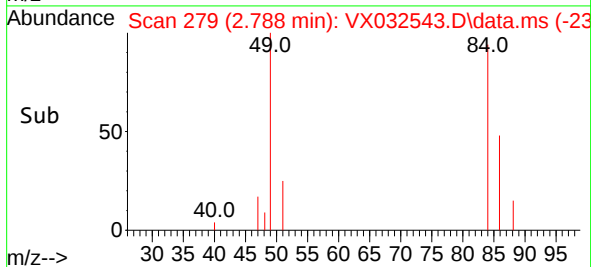
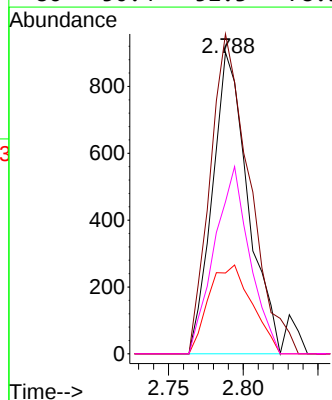
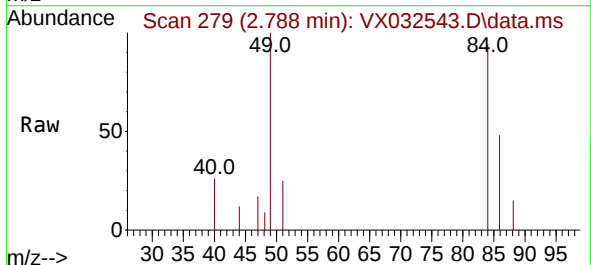
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#20
Methylene Chloride
Concen: 1.311 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

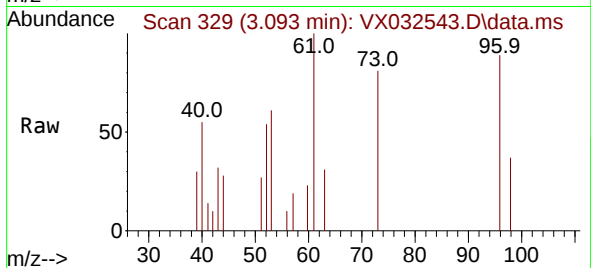
Tgt Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 106.1 101.0 151.6
51 26.8 31.1 46.7#
86 50.4 52.3 78.5#





#21
trans-1,2-Dichloroethene
Concen: 0.718 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

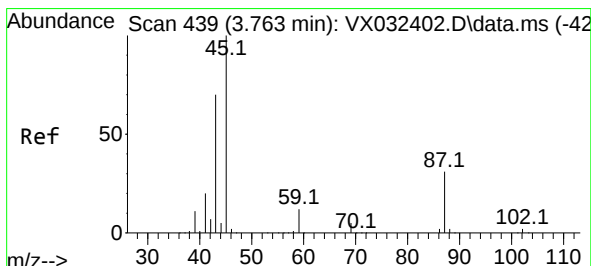
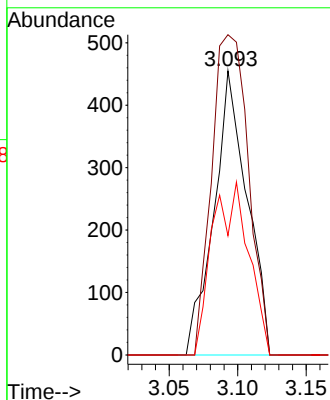
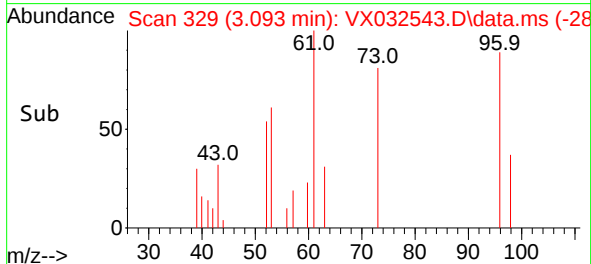
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



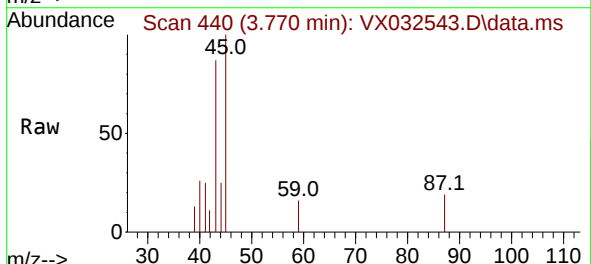
Tgt Ion: 96 Resp: 769
Ion Ratio Lower Upper
96 100
61 112.7 106.6 160.0
98 42.0 51.0 76.6

Manual Integrations
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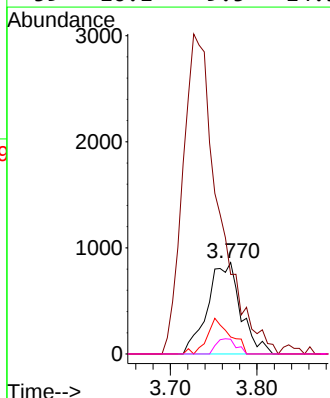
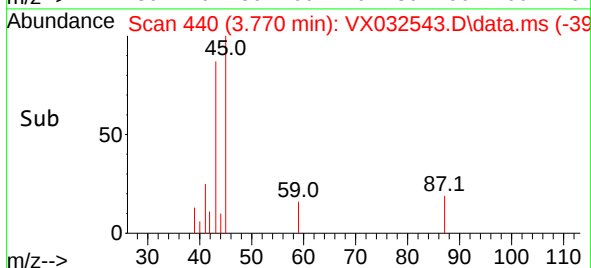
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

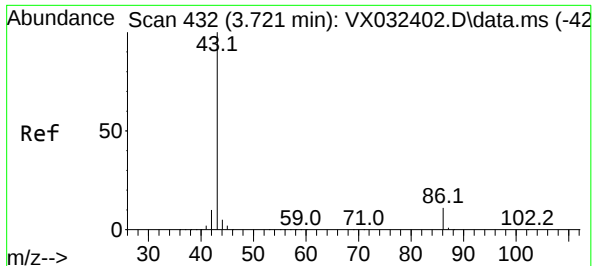


#22
Diisopropyl ether
Concen: 0.672 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion: 45 Resp: 2280
Ion Ratio Lower Upper
45 100
43 87.0 56.4 84.6#
87 18.7 24.4 36.6#
59 16.1 9.5 14.3#





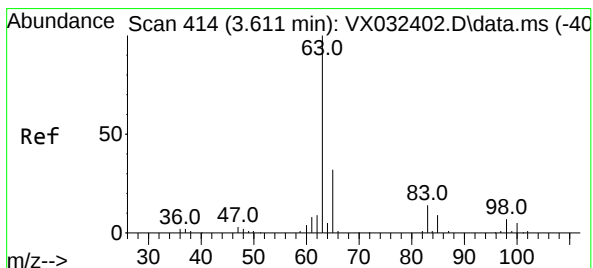
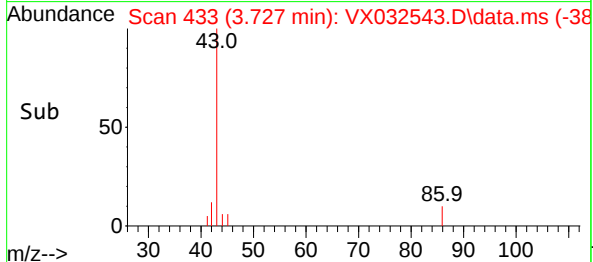
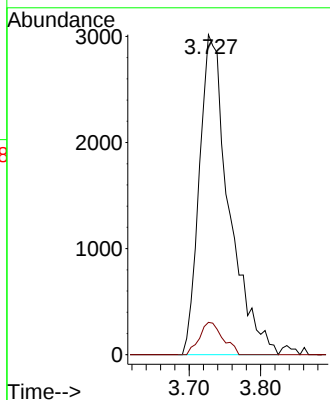
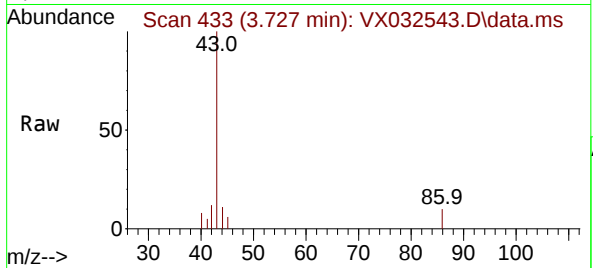
#23
 Vinyl Acetate
 Concen: 3.166 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 867
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.6 12.8

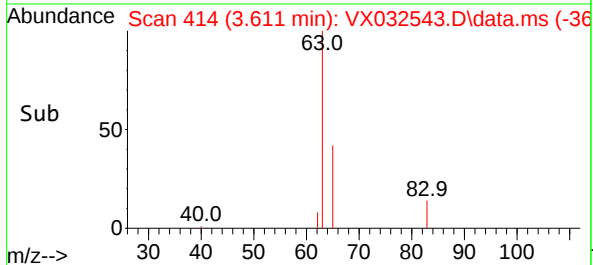
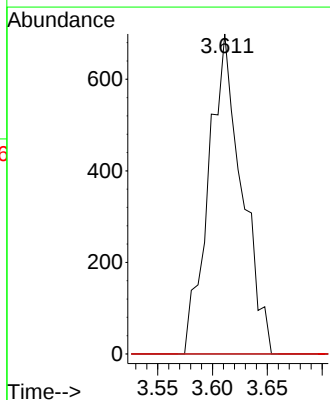
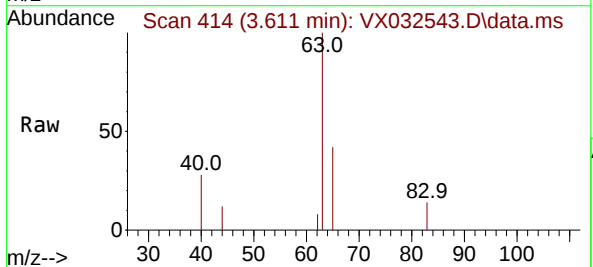
Manual Integrations
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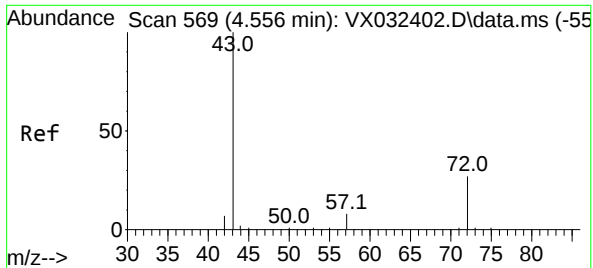
Reviewed By :John Carlone 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022



#24
 1,1-Dichloroethane
 Concen: 0.757 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13

Tgt Ion: 63 Resp: 1477
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#





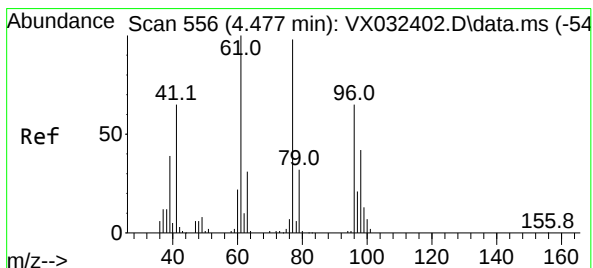
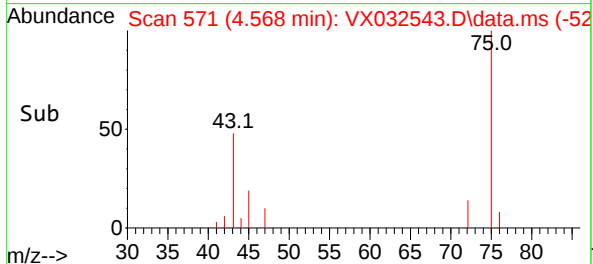
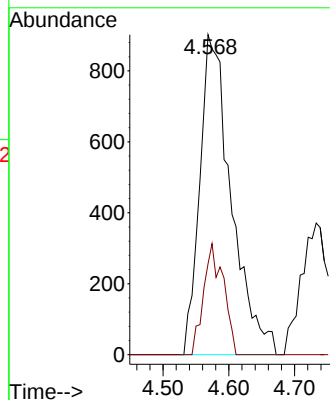
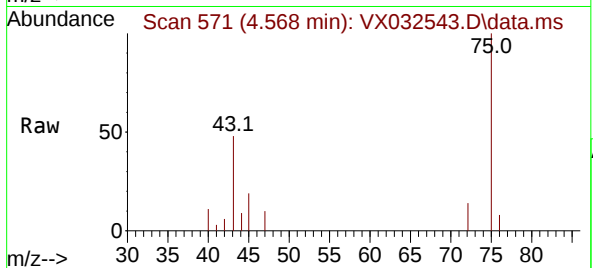
#25
2-Butanone
Concen: 3.908 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 3000
Ion Ratio Lower Upper
43 100
72 28.4 22.2 33.2

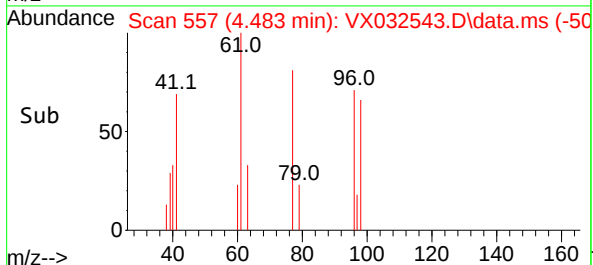
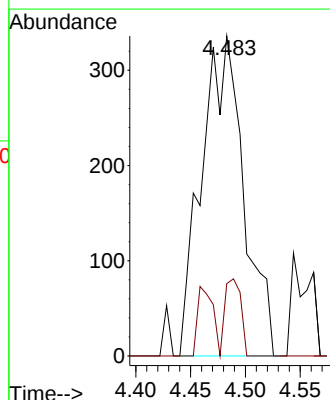
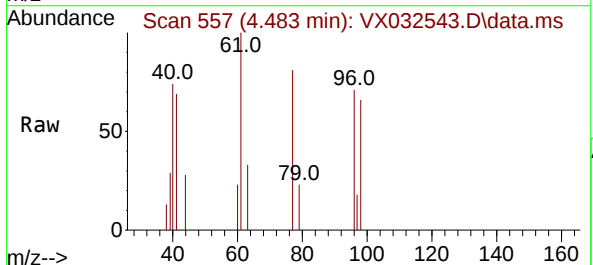
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#26
2,2-Dichloropropane
Concen: 0.578 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion: 77 Resp: 897
Ion Ratio Lower Upper
77 100
97 9.1 11.4 34.1#





#27

cis-1,2-Dichloroethene

Concen: 0.807 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

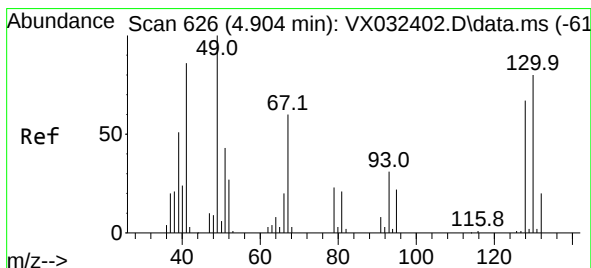
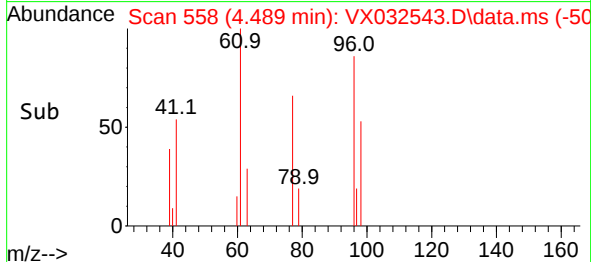
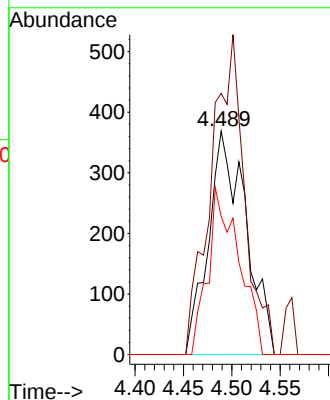
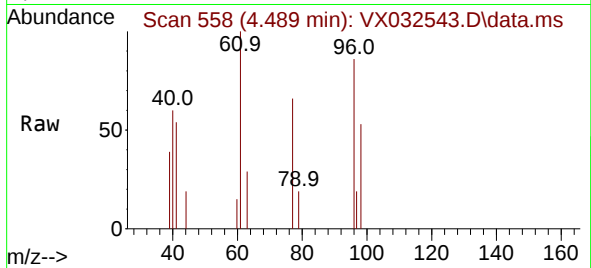
Tgt Ion: 96	Resp: 99
Ion Ratio	Lower Upper
96 100	
61 127.8	0.0 286.0
98 61.7	0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#28

Bromochloromethane

Concen: 0.902 ug/l

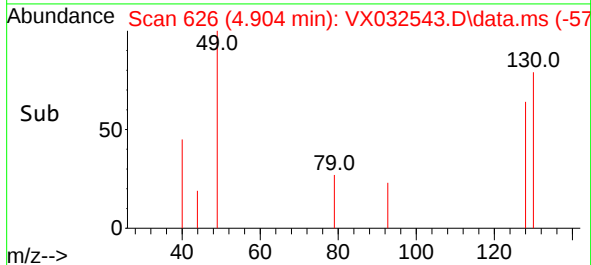
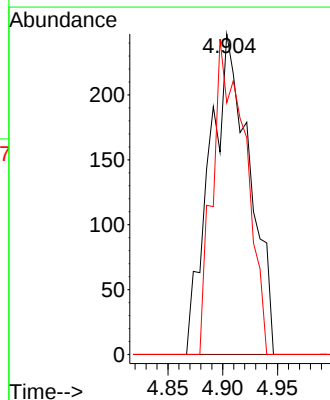
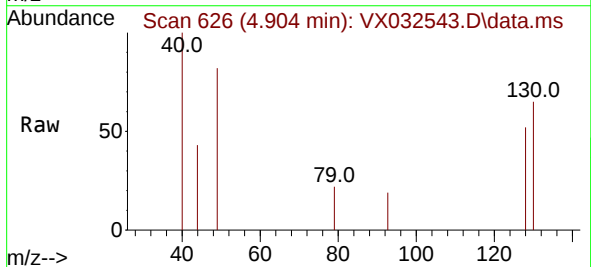
RT: 4.904 min Scan# 626

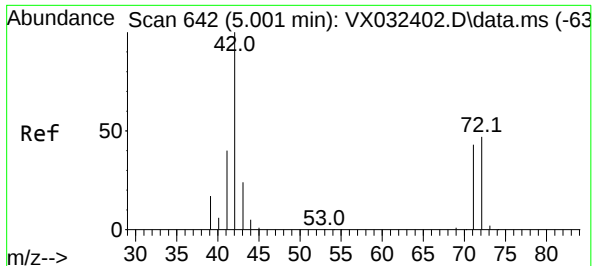
Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Tgt Ion: 49	Resp: 627
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 3.8
130 80.4	67.5 101.3





#29

Tetrahydrofuran

Concen: 3.740 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

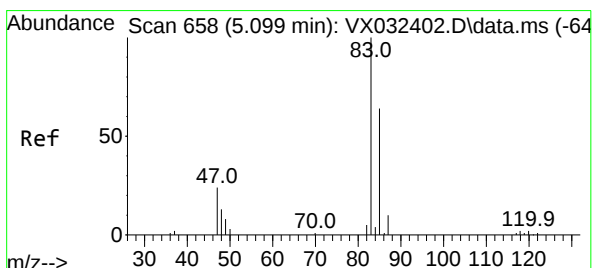
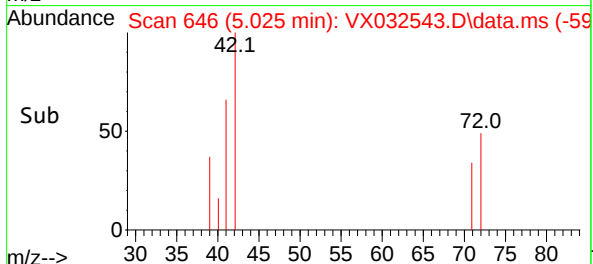
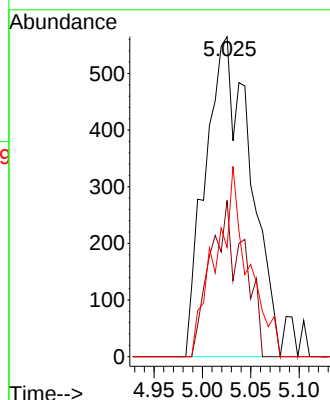
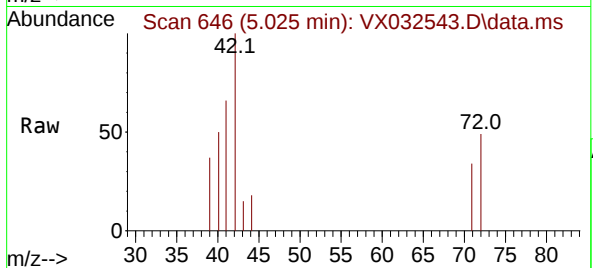
Tgt Ion: 42	Resp: 183
Ion Ratio	Lower Upper
42 100	
72 36.2	37.6 56.4
71 42.7	34.7 52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#30

Chloroform

Concen: 0.686 ug/l

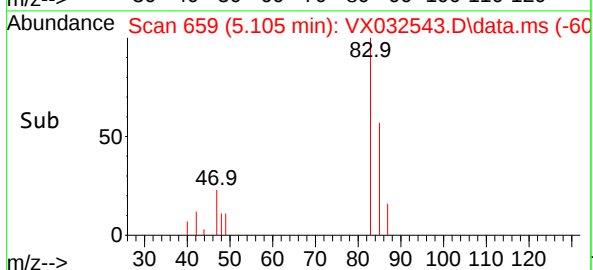
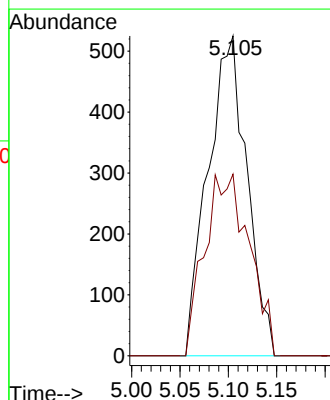
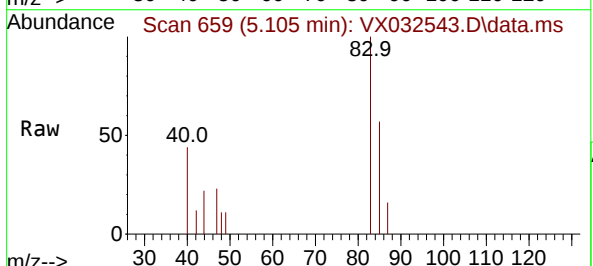
RT: 5.105 min Scan# 659

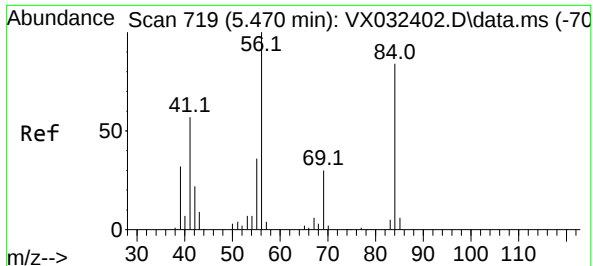
Delta R.T. 0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

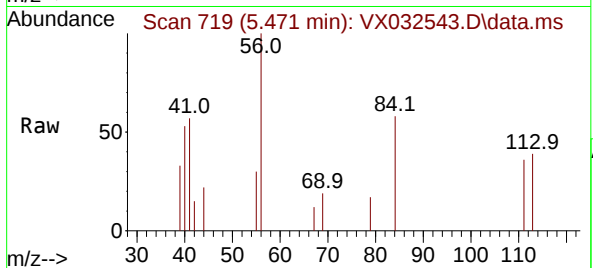
Tgt Ion: 83	Resp: 1469
Ion Ratio	Lower Upper
83 100	
85 56.8	51.1 76.7





#31
Cyclohexane
Concen: 0.673 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

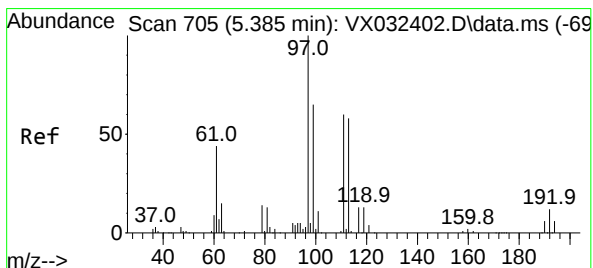
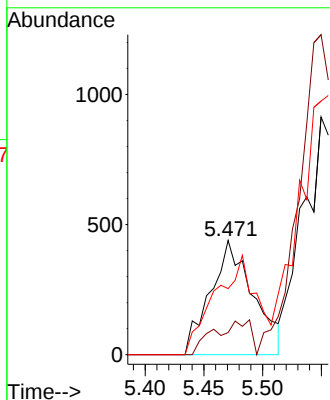
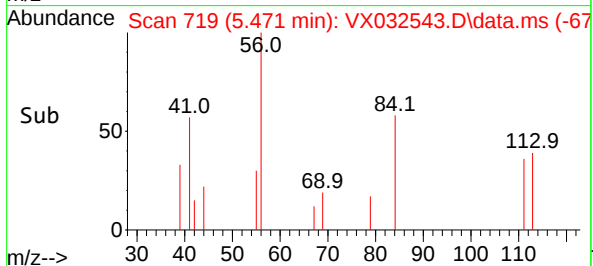
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



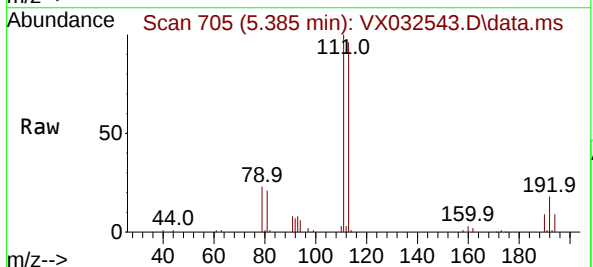
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
69 19.4 24.1 36.1
84 57.9 66.9 100.3

Manual Integrations
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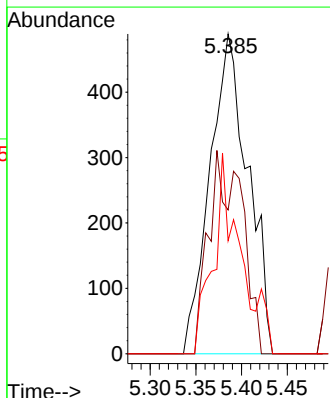
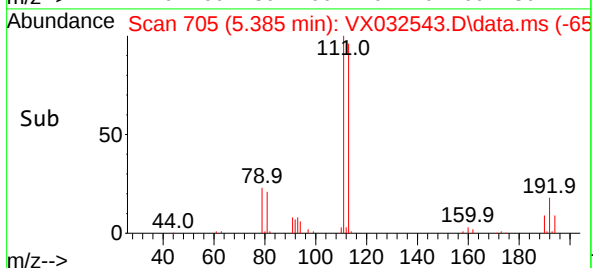
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

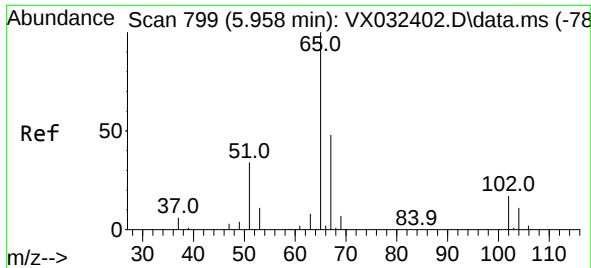


#32
1,1,1-Trichloroethane
Concen: 0.739 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion: 97 Resp: 1420
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0
61 44.9 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.994 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 65 Resp: 6952

Ion Ratio Lower Upper

65 100

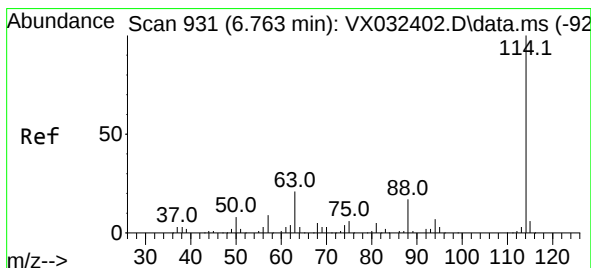
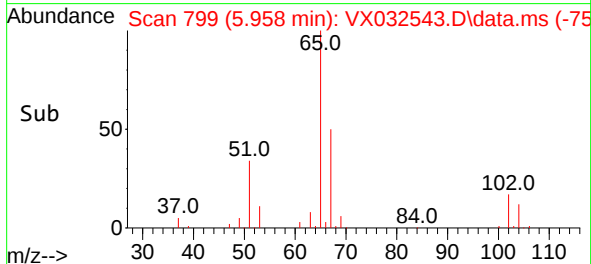
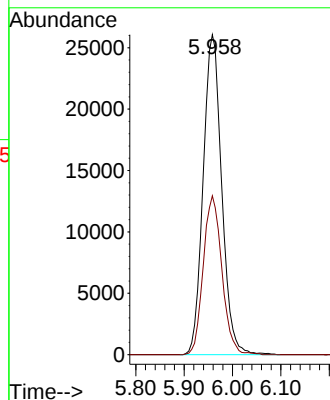
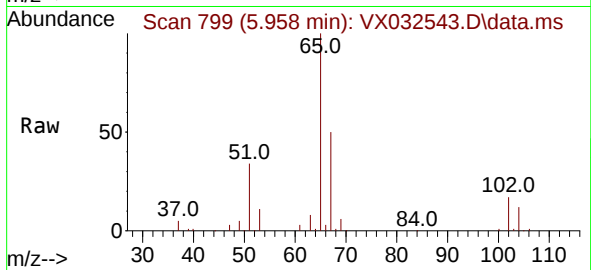
67 49.9 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

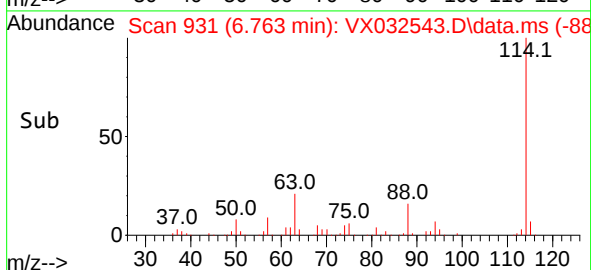
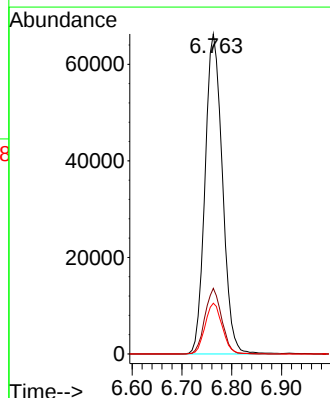
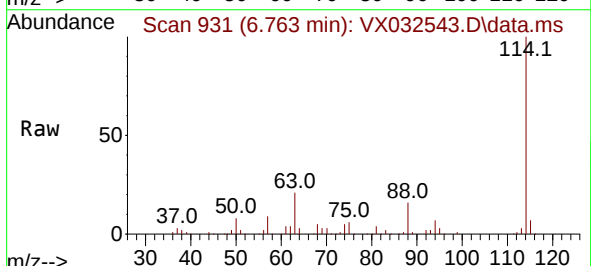
Tgt Ion:114 Resp: 160260

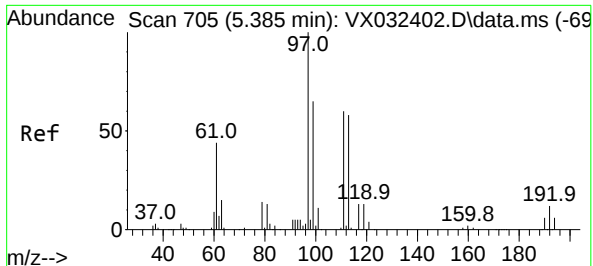
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

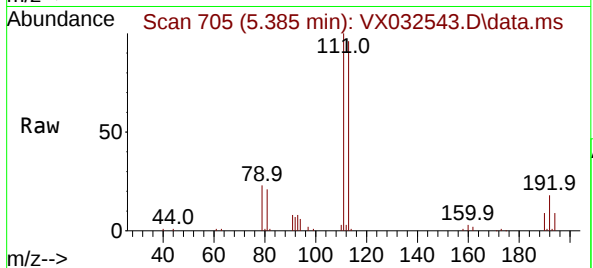
88 15.9 0.0 33.4





#35
Dibromofluoromethane
Concen: 48.739 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

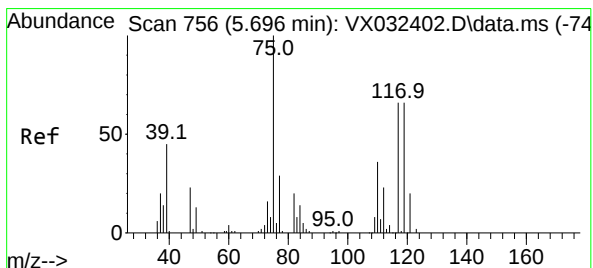
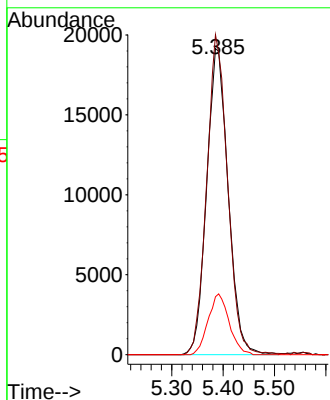
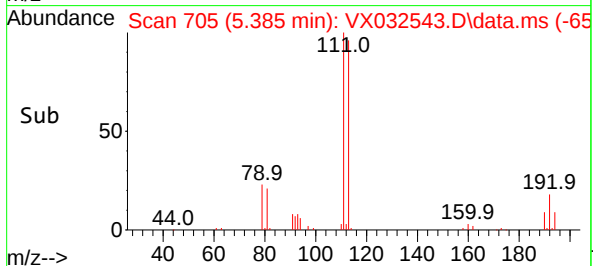
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion:113 Resp: 55710
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 19.4 15.4 23.2

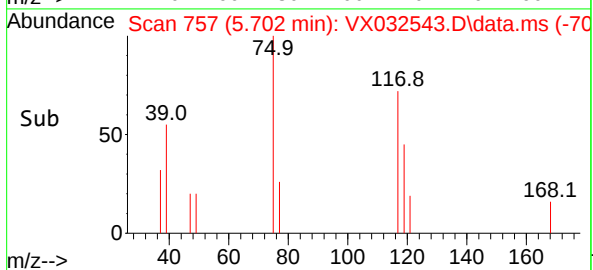
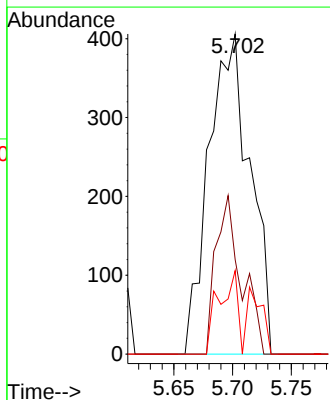
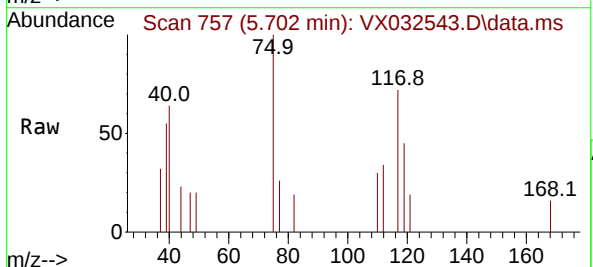
Manual Integrations
APPROVED

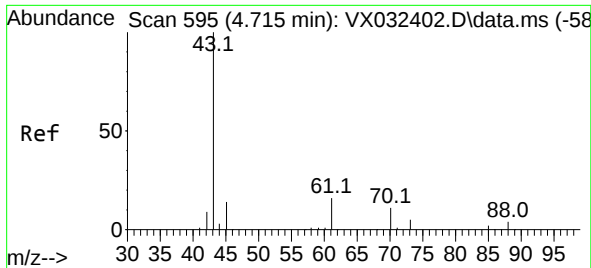
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#36
1,1-Dichloropropene
Concen: 0.623 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

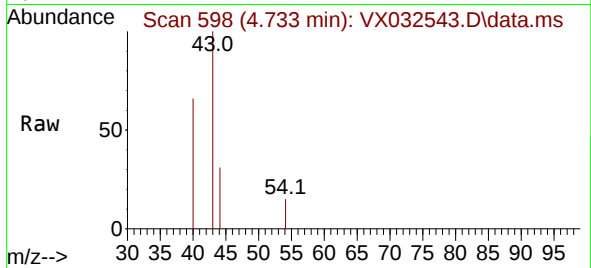
Tgt Ion: 75 Resp: 991
Ion Ratio Lower Upper
75 100
110 30.7 18.4 55.2
77 11.8 24.5 36.7#





#37
Ethyl Acetate
Concen: 0.719 ug/l
RT: 4.733 min Scan# 595
Delta R.T. 0.018 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

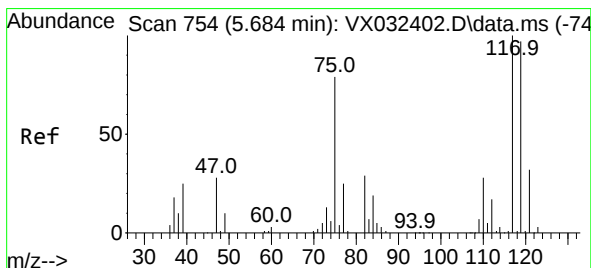
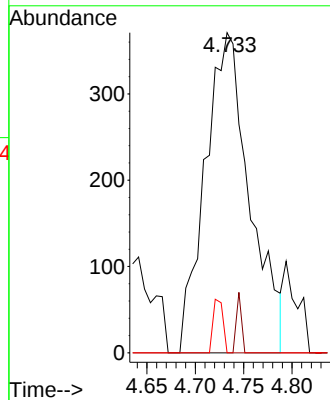
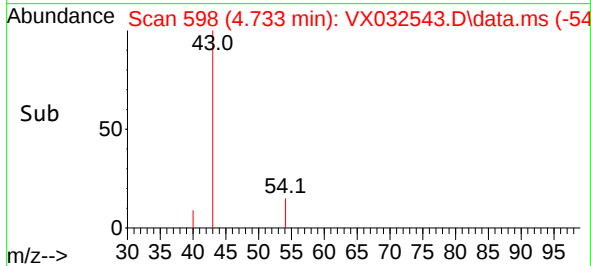
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3
70 3.7 9.1 13.7

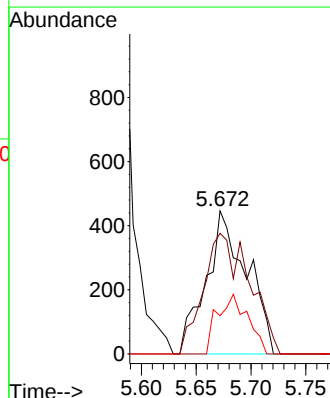
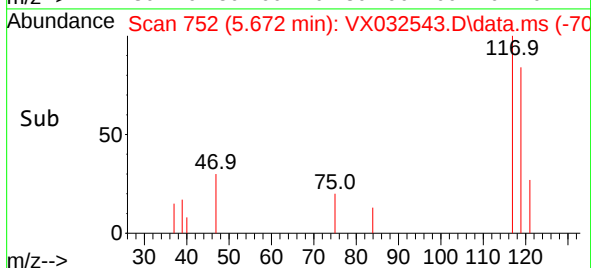
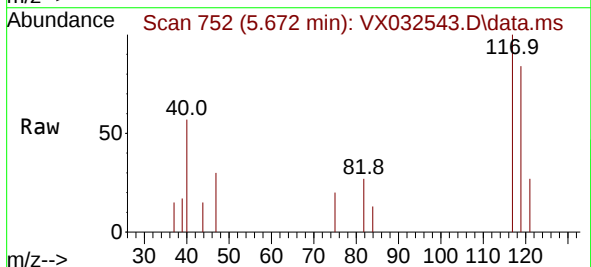
Manual Integrations
APPROVED

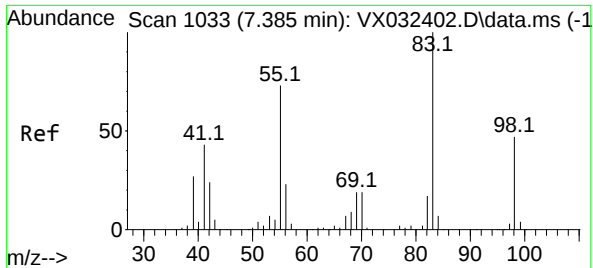
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#38
Carbon Tetrachloride
Concen: 0.653 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:117 Resp: 1153
Ion Ratio Lower Upper
117 100
119 84.3 77.2 115.8
121 26.7 25.8 38.6





#39

Methylcyclohexane

Concen: 0.588 ug/l

RT: 7.385 min Scan# 110

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 83 Resp: 110

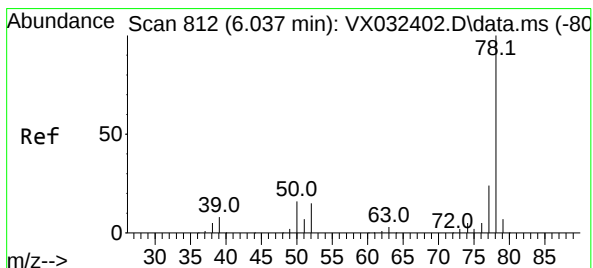
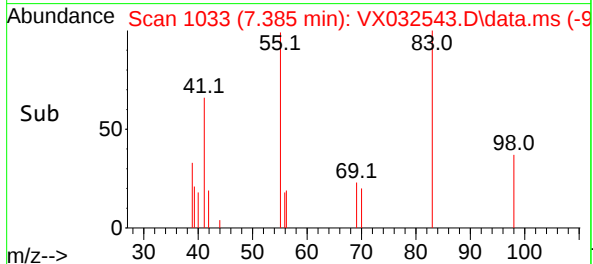
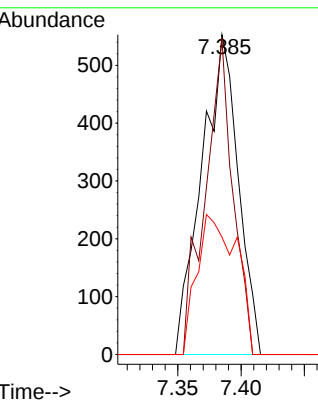
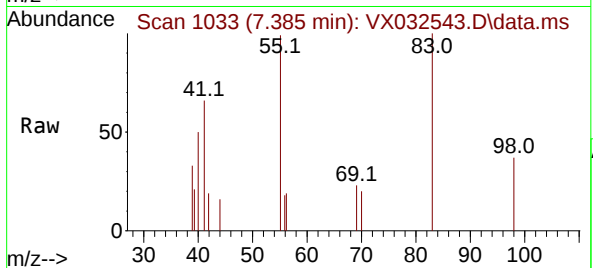
Ion	Ratio	Lower	Upper
83	100		
55	98.7	58.4	87.6
98	36.7	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#40

Benzene

Concen: 0.754 ug/l

RT: 6.044 min Scan# 813

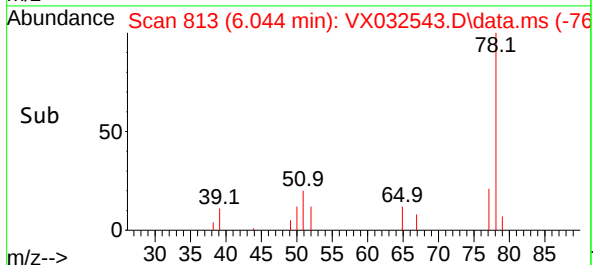
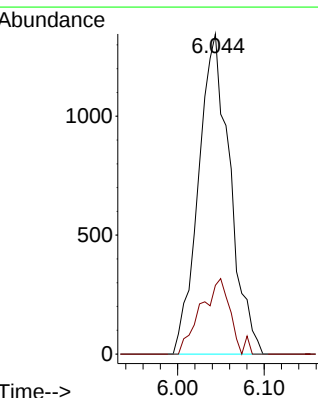
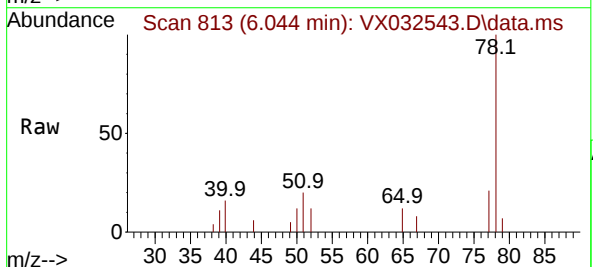
Delta R.T. 0.006 min

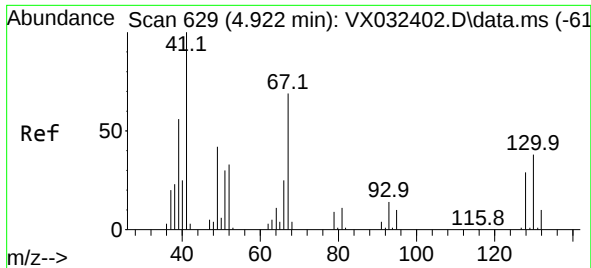
Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Tgt Ion: 78 Resp: 3395

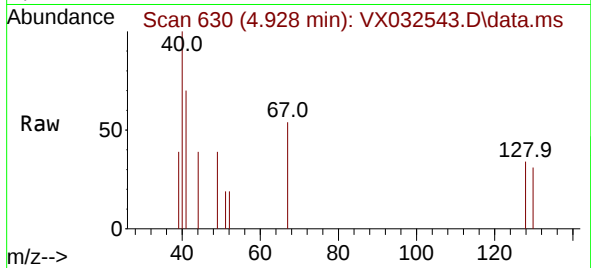
Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.4





#41
Methacrylonitrile
Concen: 0.588 ug/l m
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

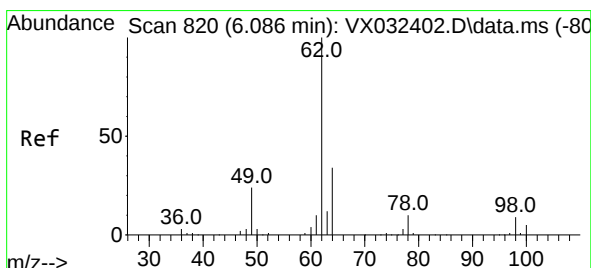
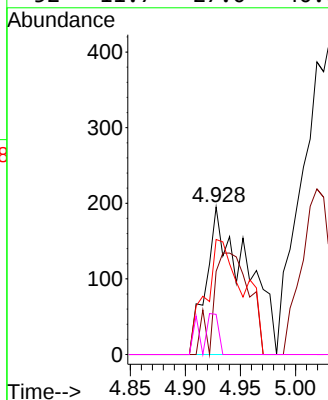
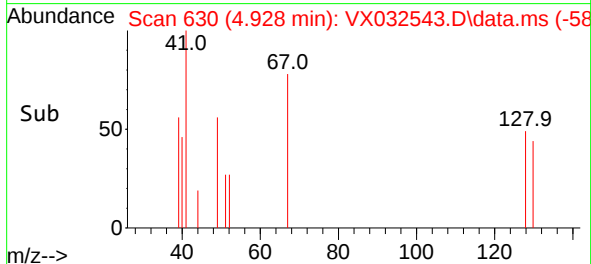
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 41 Resp: 490
Ion Ratio Lower Upper
41 100
39 61.3 47.5 71.3
67 73.0 60.5 90.7
52 11.7 27.0 40.6#

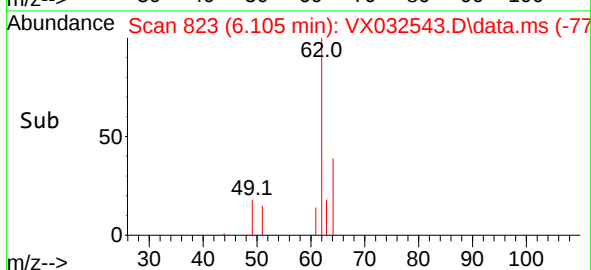
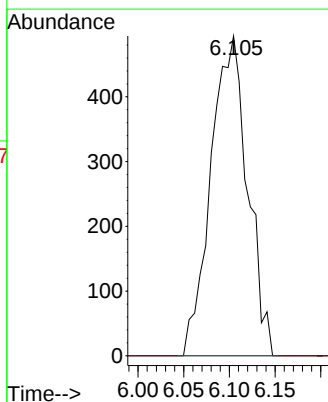
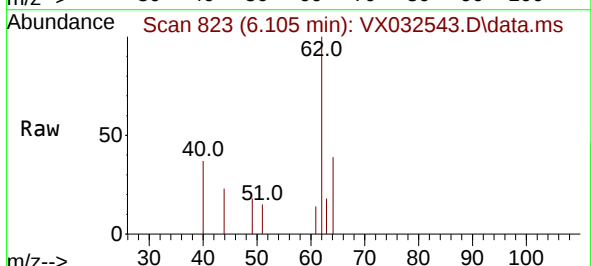
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#42
1,2-Dichloroethane
Concen: 0.748 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion: 62 Resp: 1378
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0





#43

Isopropyl Acetate

Concen: 0.642 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX032543.D

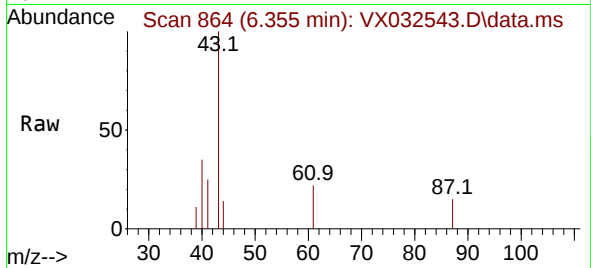
Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022



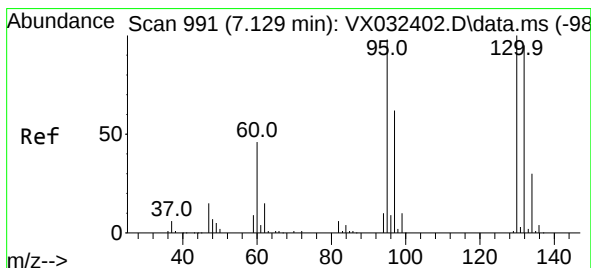
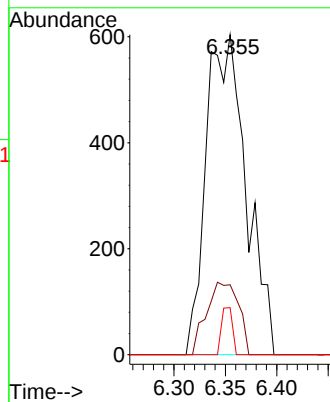
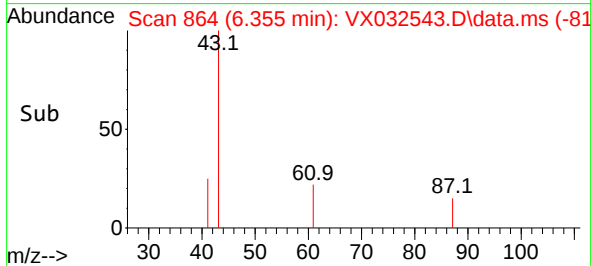
Tgt Ion: 43	Resp: 163
Ion Ratio	Lower Upper
43	100
61	18.1 15.4 23.0
87	4.0 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#44

Trichloroethene

Concen: 0.636 ug/l

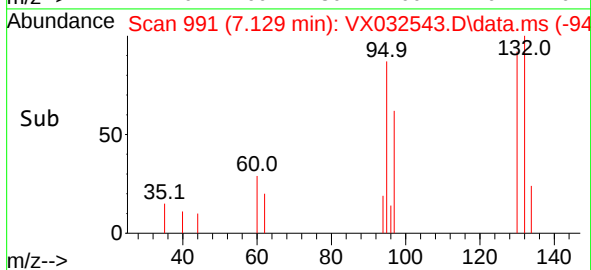
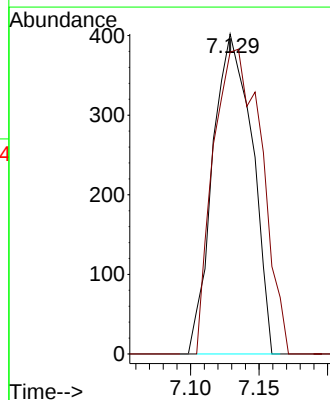
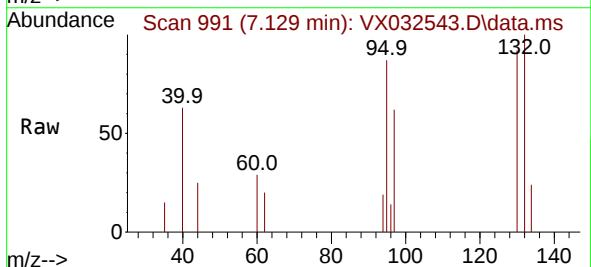
RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Tgt Ion:130	Resp: 806
Ion Ratio	Lower Upper
130	100
95	94.3 0.0 195.2





#45

1,2-Dichloropropane

Concen: 0.739 ug/l

RT: 7.446 min Scan# 1043

Delta R.T. 0.012 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

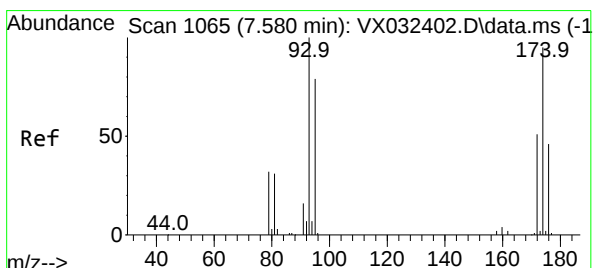
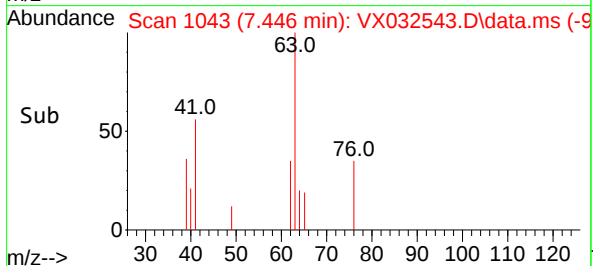
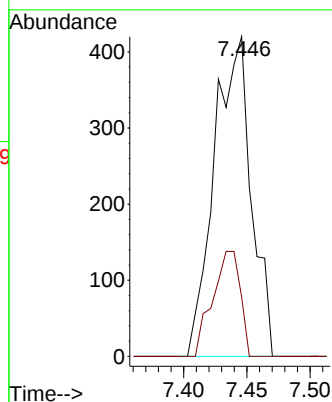
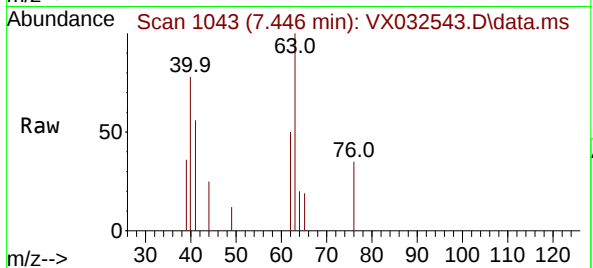
Tgt Ion: 63 Resp: 854
 Ion Ratio Lower Upper
 63 100
 65 18.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#46

Dibromomethane

Concen: 0.772 ug/l

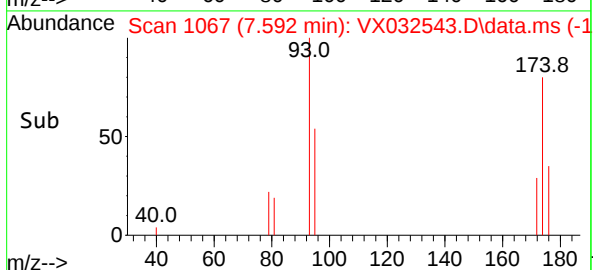
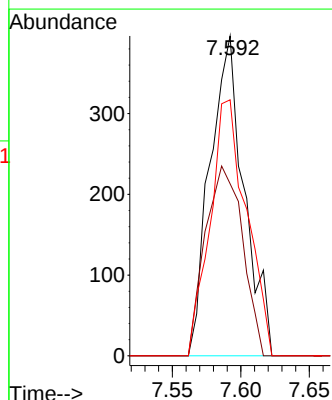
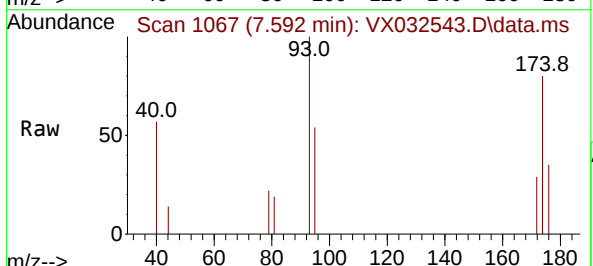
RT: 7.592 min Scan# 1067

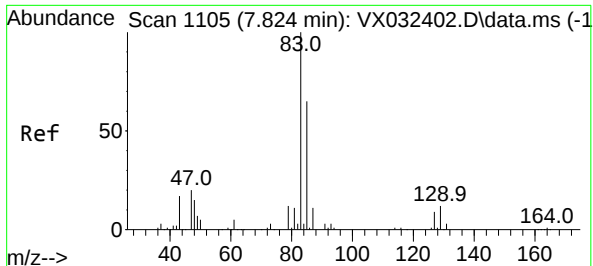
Delta R.T. 0.012 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

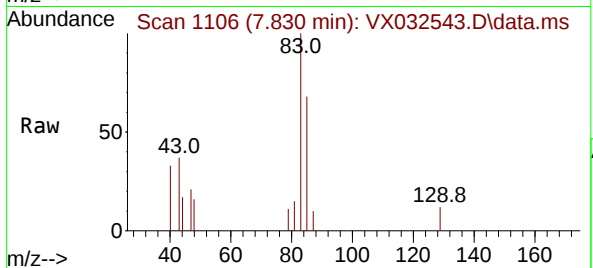
Tgt Ion: 93 Resp: 685
 Ion Ratio Lower Upper
 93 100
 95 65.1 65.8 98.8#
 174 85.5 79.8 119.6





#47
Bromodichloromethane
Concen: 0.632 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

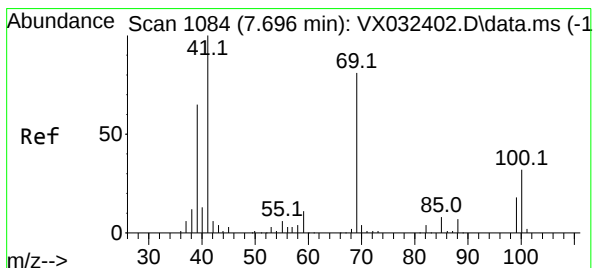
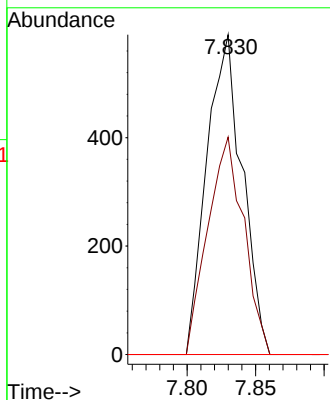
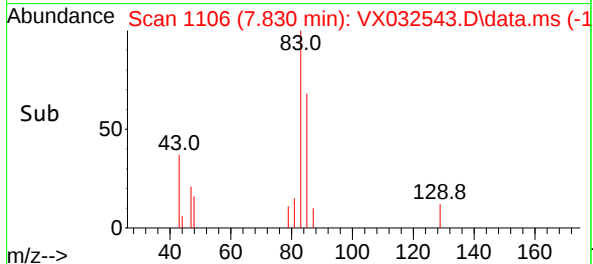
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



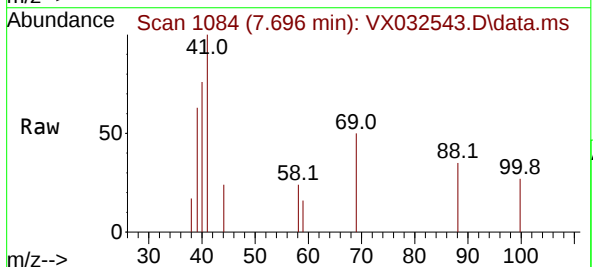
Tgt Ion: 83 Resp: 106
Ion Ratio Lower Upper
83 100
85 68.0 52.2 78.4
127 0.0 7.4 11.2

Manual Integrations
APPROVED

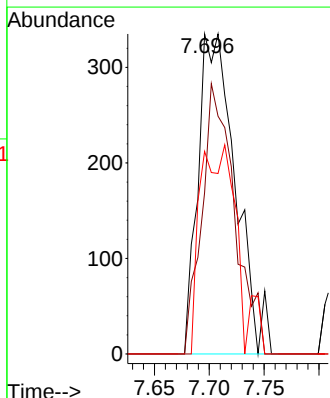
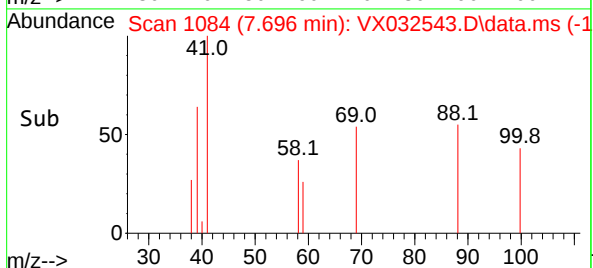
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

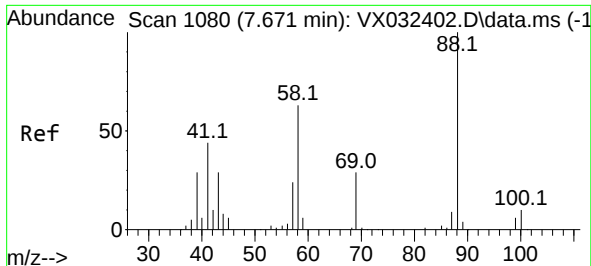


#48
Methyl methacrylate
Concen: 0.603 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion: 41 Resp: 792
Ion Ratio Lower Upper
41 100
69 74.4 65.1 97.7
39 65.0 51.9 77.9





#49

1,4-Dioxane

Concen: 12.260 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.012 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

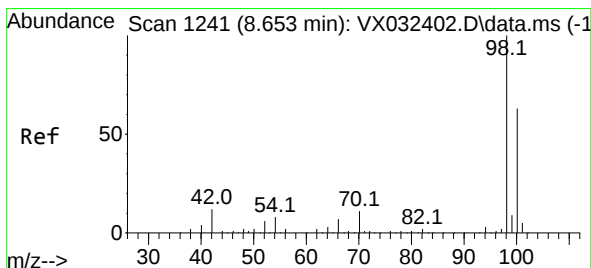
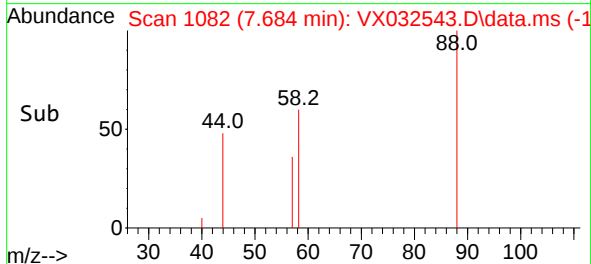
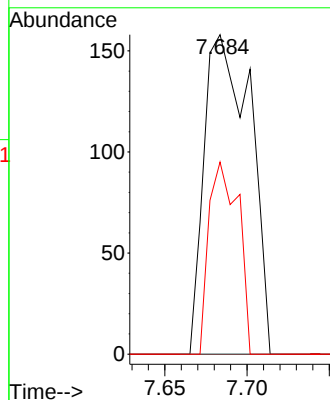
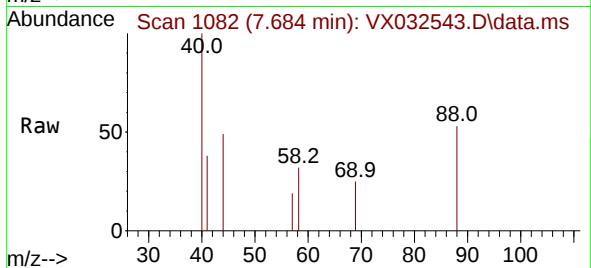
Tgt Ion: 88	Resp: 307
Ion Ratio	Lower Upper
88 100	
43 0.0	26.6 39.8
58 38.8	51.7 77.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#50

Toluene-d8

Concen: 47.232 ug/l

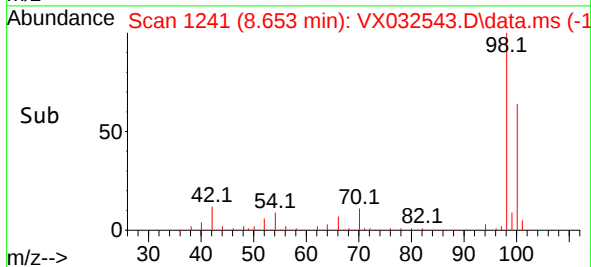
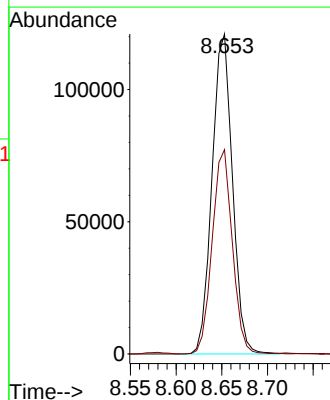
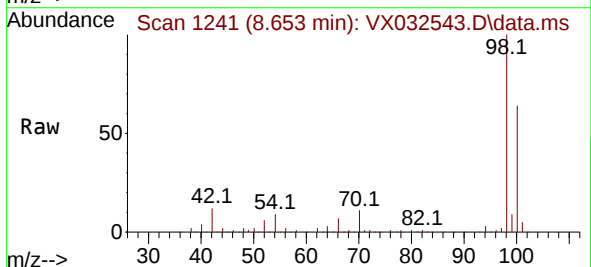
RT: 8.653 min Scan# 1241

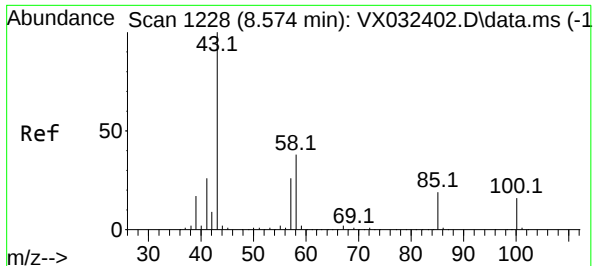
Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

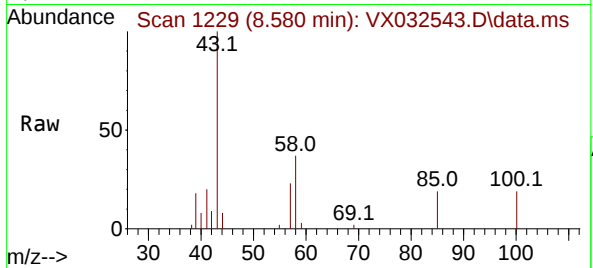
Tgt Ion: 98	Resp: 187747
Ion Ratio	Lower Upper
98 100	
100 63.1	50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 3.373 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

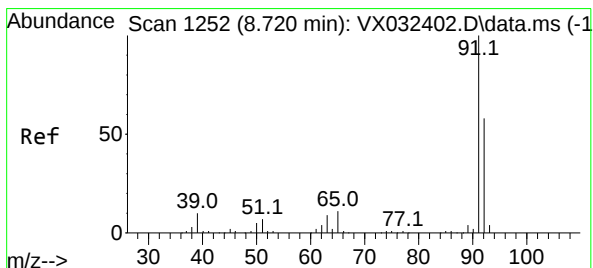
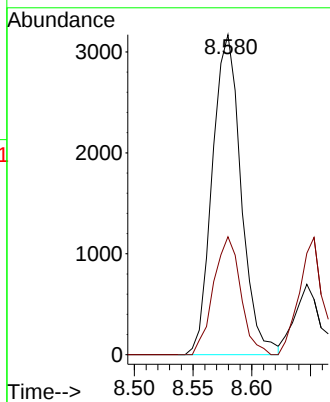
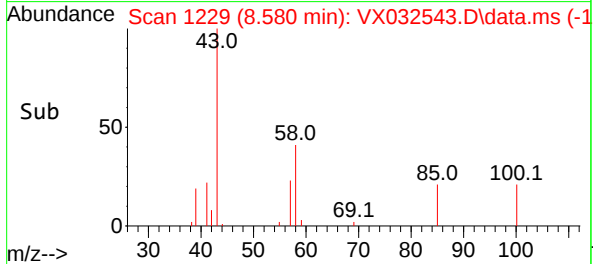
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion: 43 Resp: 5400
Ion Ratio Lower Upper
43 100
58 35.0 30.9 46.3

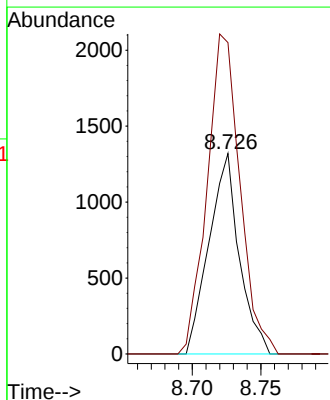
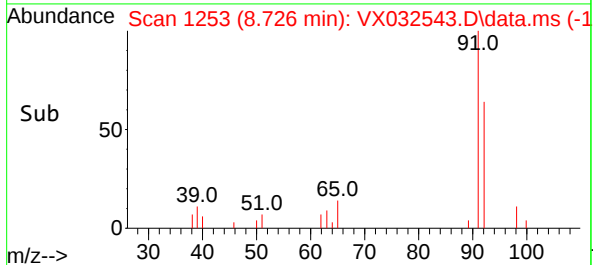
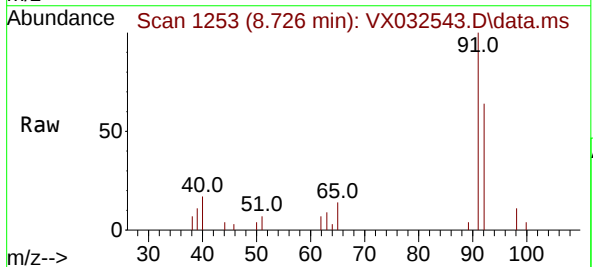
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#52
Toluene
Concen: 0.690 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion: 92 Resp: 2027
Ion Ratio Lower Upper
92 100
91 173.4 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 0.571 ug/l

RT: 8.988 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 75 Resp: 980

Ion Ratio Lower Upper

75 100

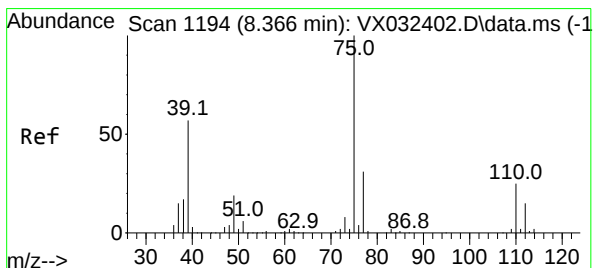
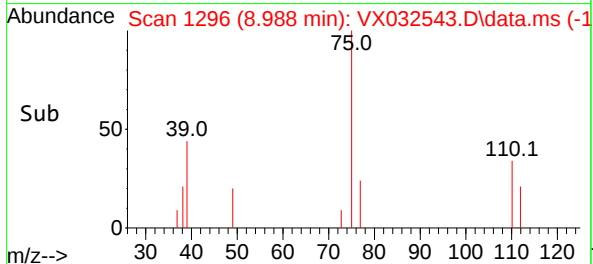
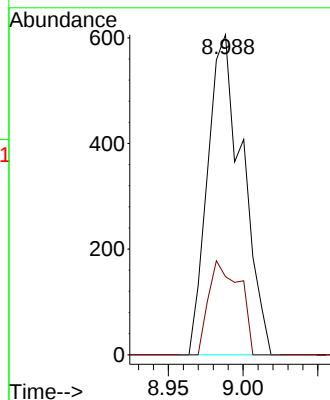
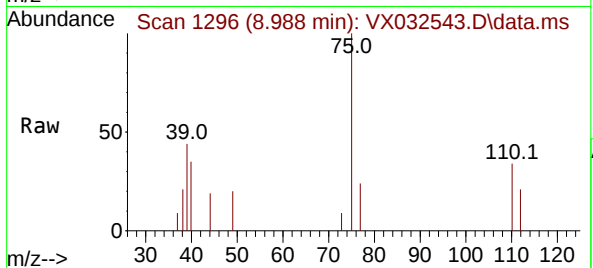
77 24.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#54

cis-1,3-Dichloropropene

Concen: 0.572 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

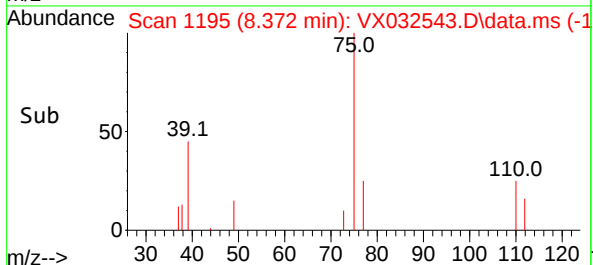
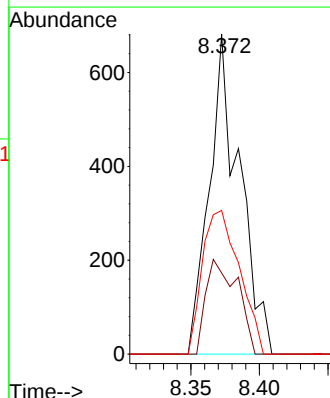
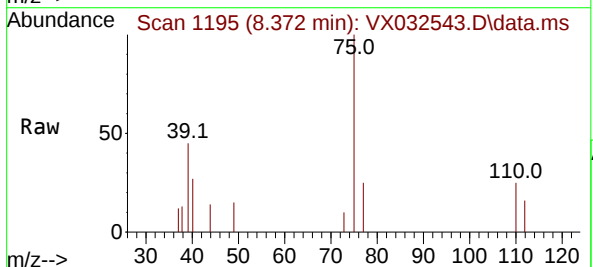
Tgt Ion: 75 Resp: 1049

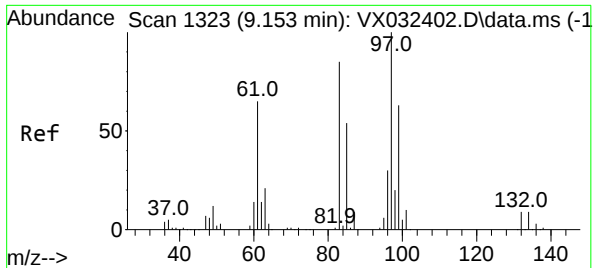
Ion Ratio Lower Upper

75 100

77 25.4 25.1 37.7

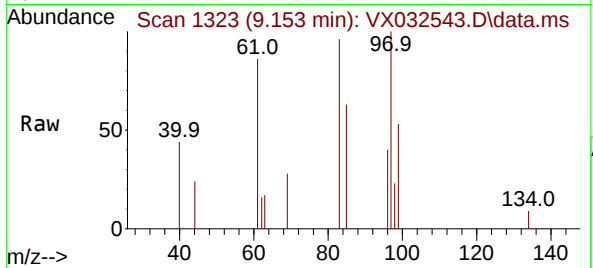
39 44.9 45.5 68.3





#55
1,1,2-Trichloroethane
Concen: 0.768 ug/l
RT: 9.153 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

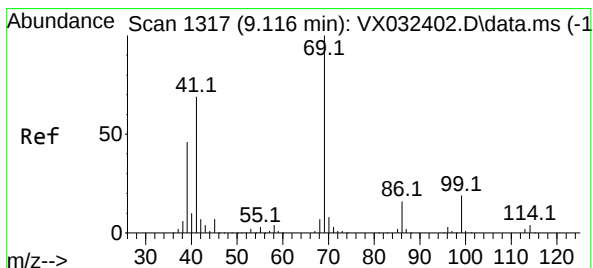
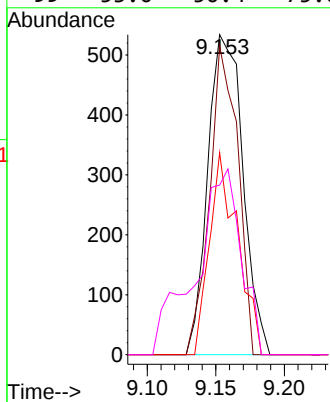
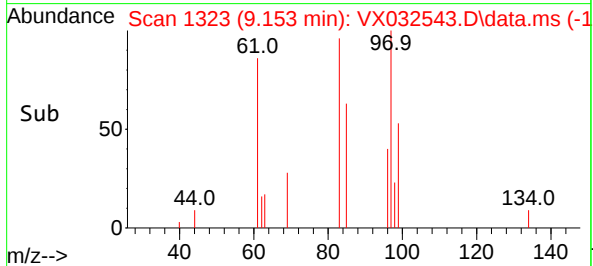
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



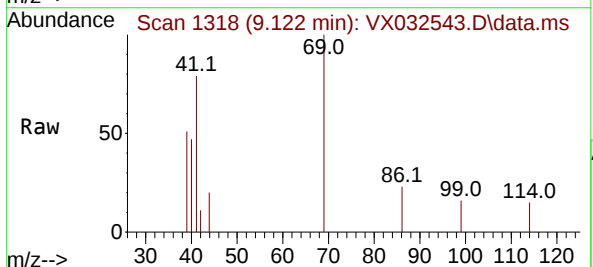
Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.4	68.1	102.1
85	63.1	43.3	64.9
99	53.0	50.4	75.6

Manual Integrations
APPROVED

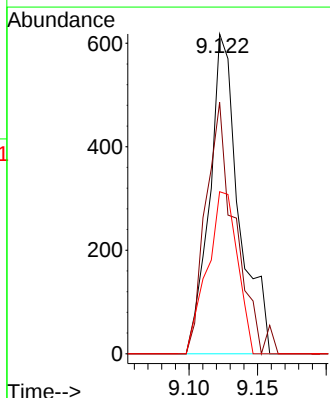
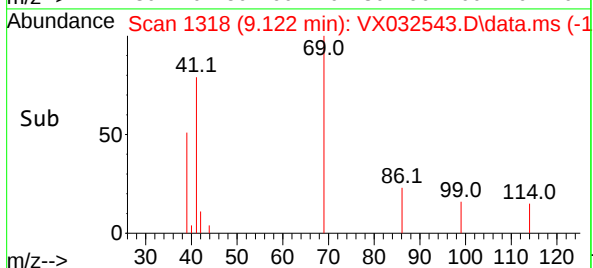
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

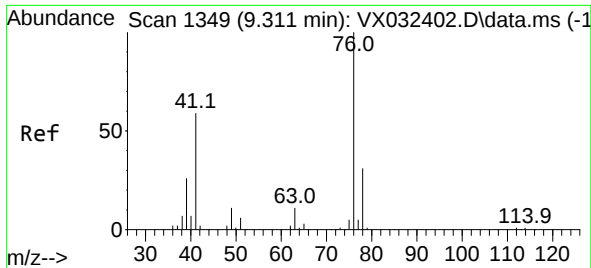


#56
Ethyl methacrylate
Concen: 0.519 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.1	54.3	81.5
39	51.9	35.2	52.8





#57

1,3-Dichloropropane

Concen: 0.686 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 76 Resp: 1372

Ion Ratio Lower Upper

76 100

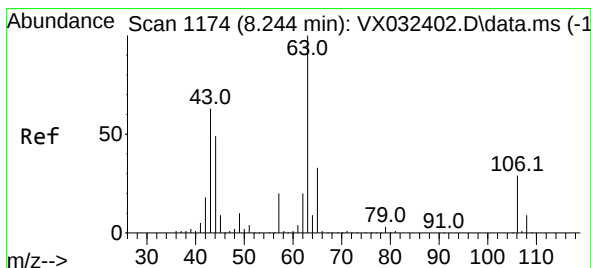
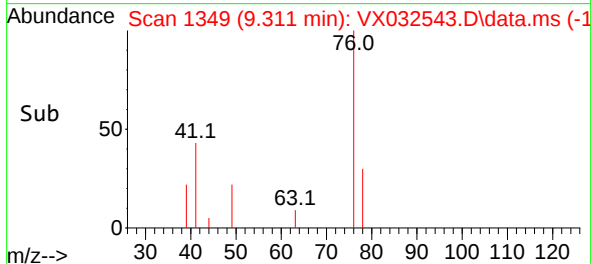
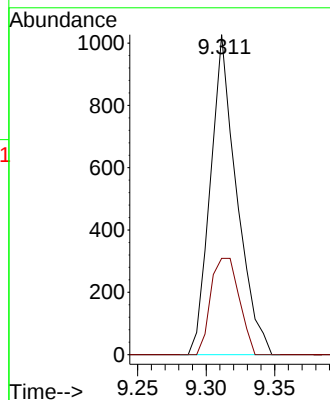
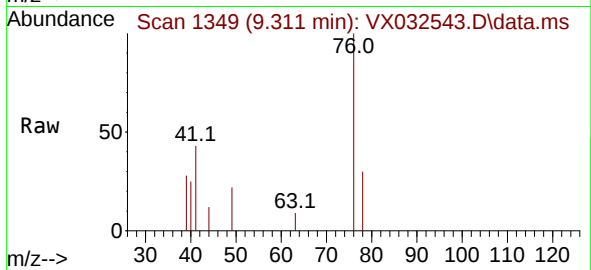
78 32.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#58

2-Chloroethyl Vinyl ether

Concen: 3.484 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX032543.D

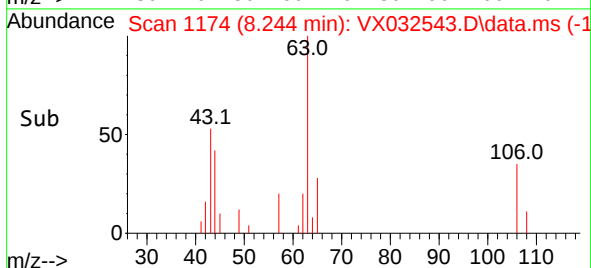
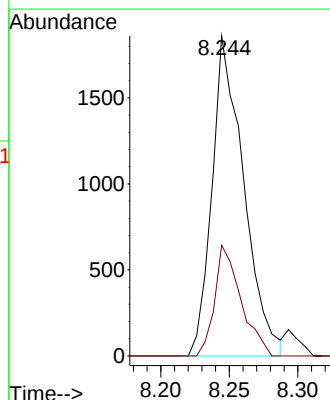
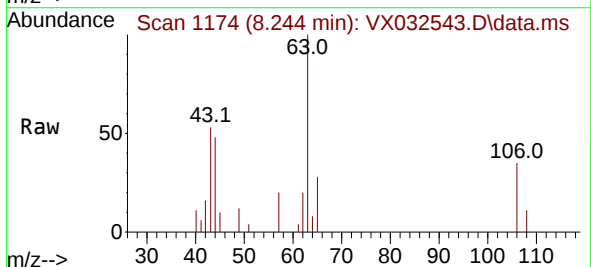
Acq: 02 Nov 2022 17:13

Tgt Ion: 63 Resp: 2988

Ion Ratio Lower Upper

63 100

106 28.6 23.3 34.9





#59

2-Hexanone

Concen: 3.056 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

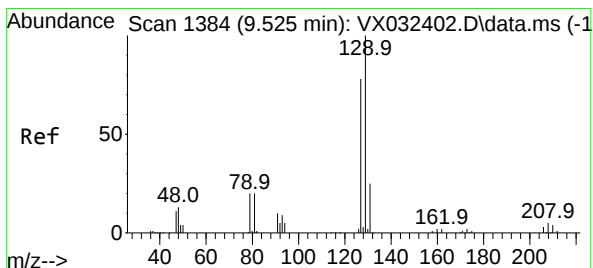
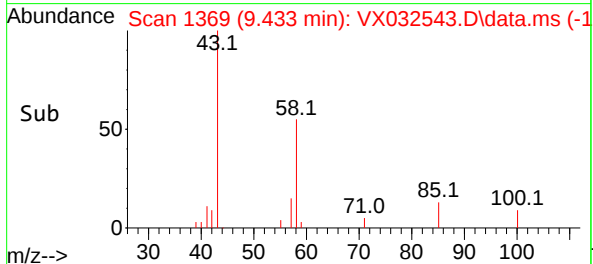
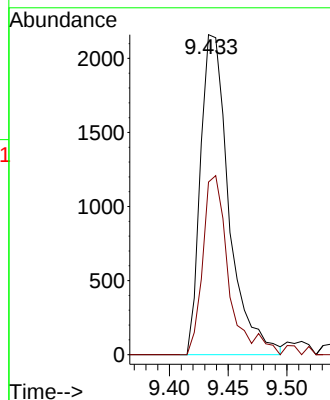
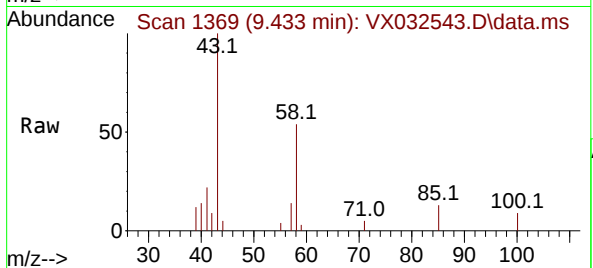
MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 3634
 Ion Ratio Lower Upper
 43 100
 58 50.9 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022



#60

Dibromochloromethane

Concen: 0.626 ug/l

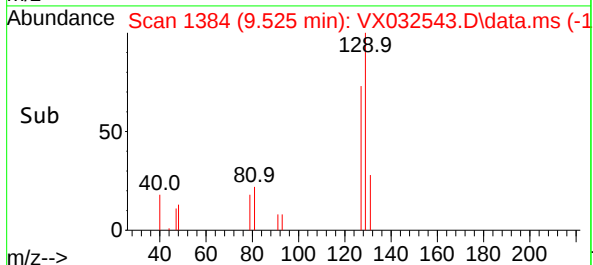
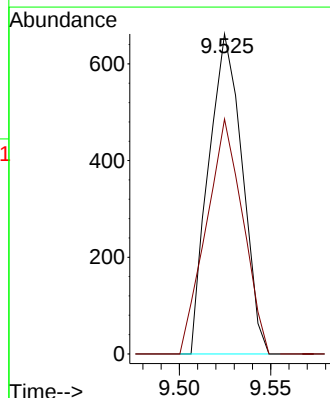
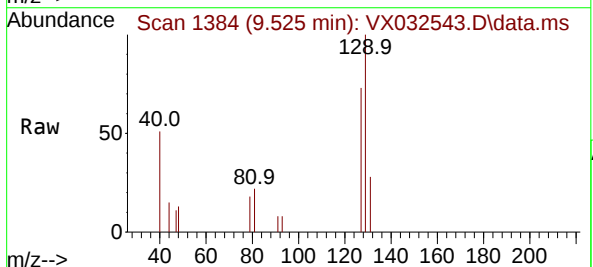
RT: 9.525 min Scan# 1384

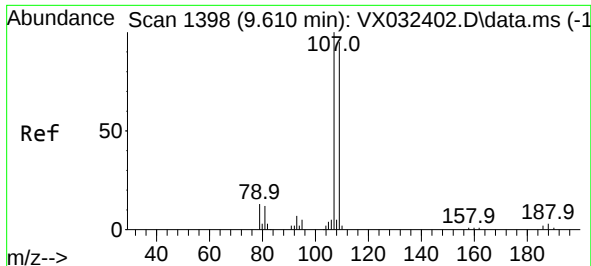
Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

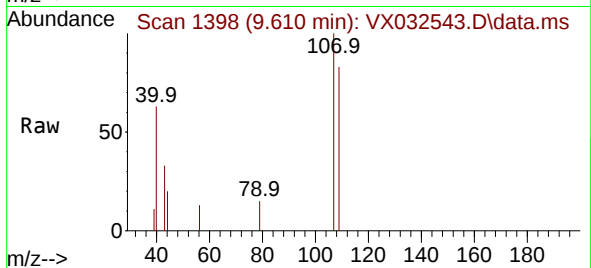
Tgt Ion:129 Resp: 846
 Ion Ratio Lower Upper
 129 100
 127 80.0 38.6 115.8





#61
1,2-Dibromoethane
Concen: 0.559 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

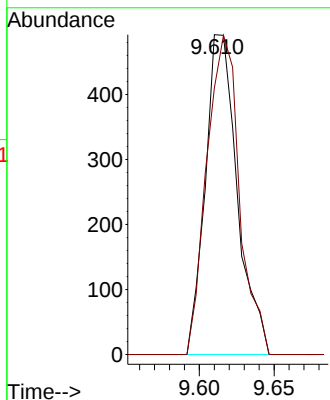
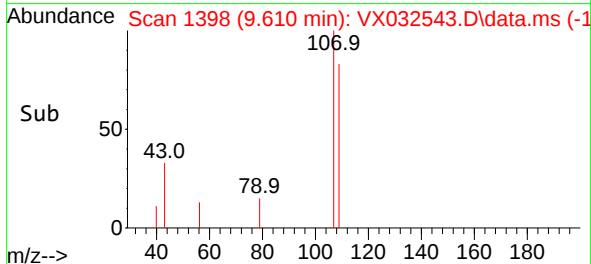
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



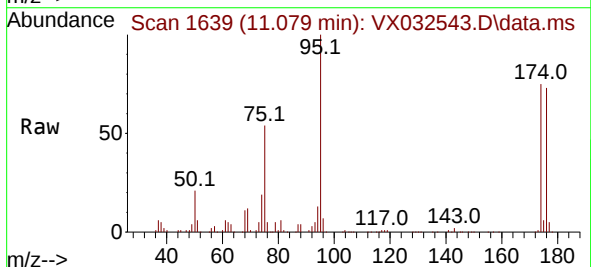
Tgt Ion:107 Resp: 73
Ion Ratio Lower Upper
107 100
109 102.0 76.0 114.0

Manual Integrations
APPROVED

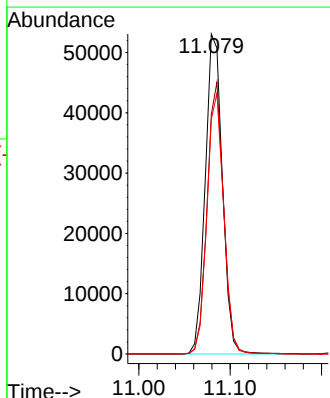
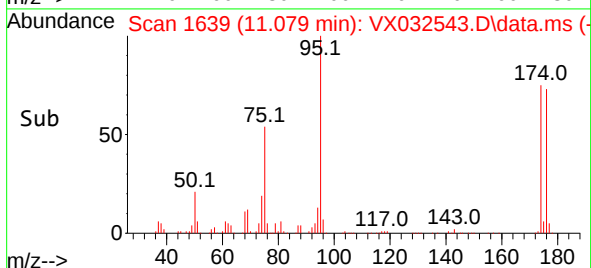
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

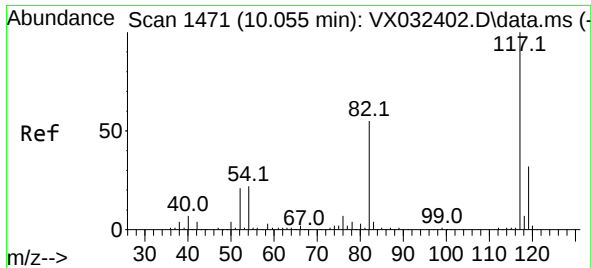


#62
4-Bromofluorobenzene
Concen: 44.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



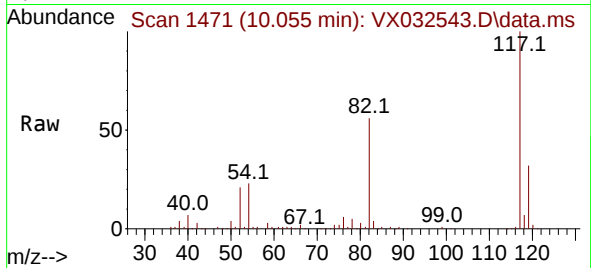
Tgt Ion: 95 Resp: 68833
Ion Ratio Lower Upper
95 100
174 82.1 0.0 164.0
176 79.8 0.0 154.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

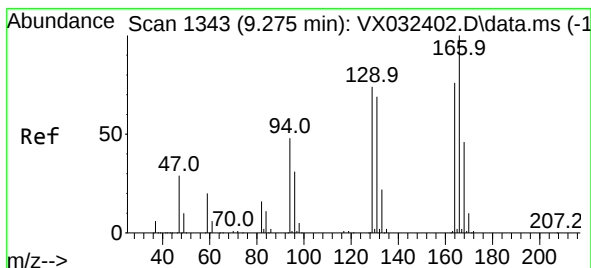
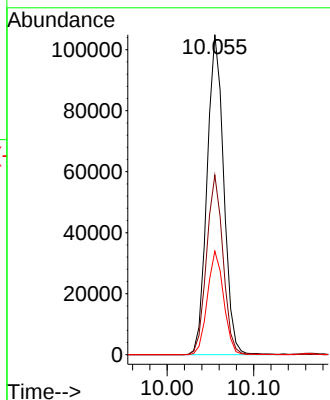
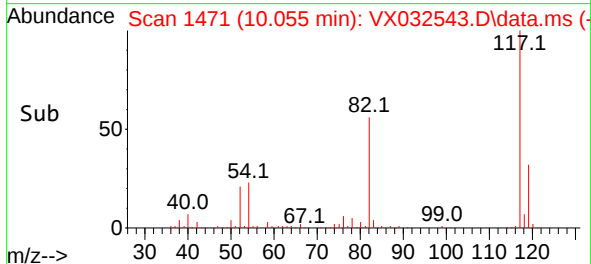
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:117 Resp: 140150
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.3 25.7 38.5

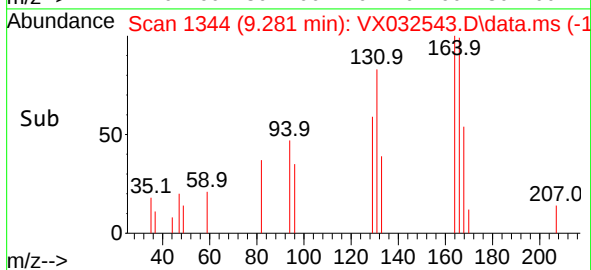
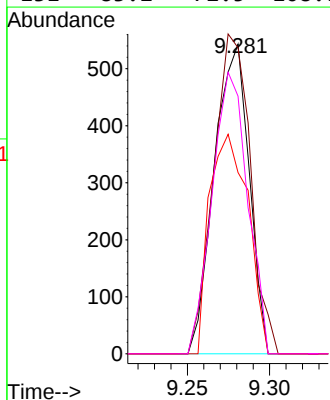
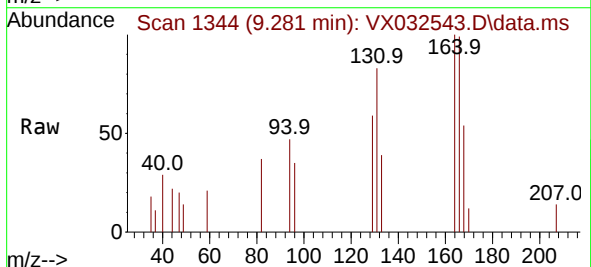
Manual Integrations
APPROVED

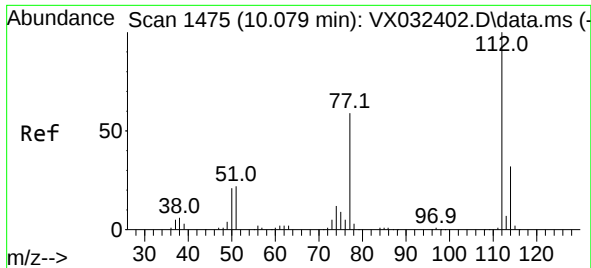
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#64
Tetrachloroethene
Concen: 0.778 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:164 Resp: 798
Ion Ratio Lower Upper
164 100
166 98.9 105.4 158.2#
129 58.6 78.2 117.2#
131 83.2 72.5 108.7





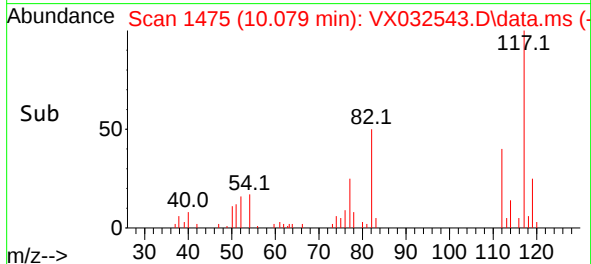
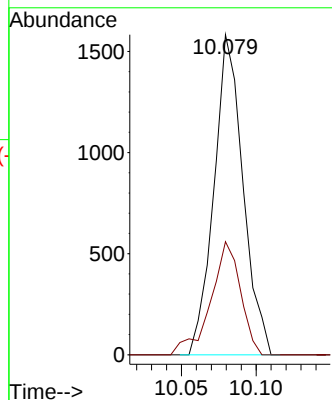
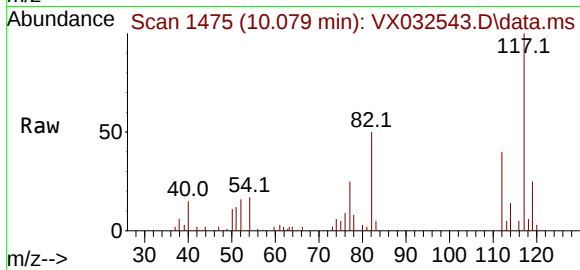
#65
Chlorobenzene
Concen: 0.680 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:112 Resp: 213
Ion Ratio Lower Upper
112 100
114 35.3 25.4 38.2

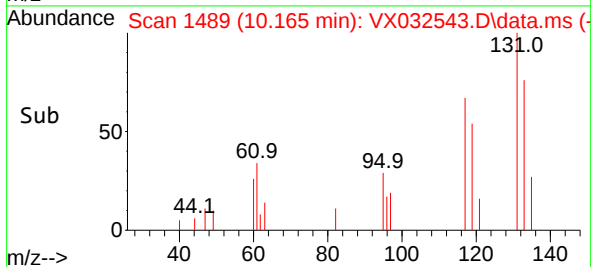
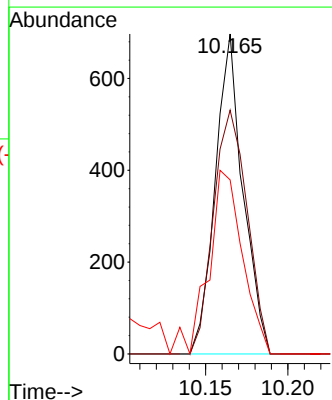
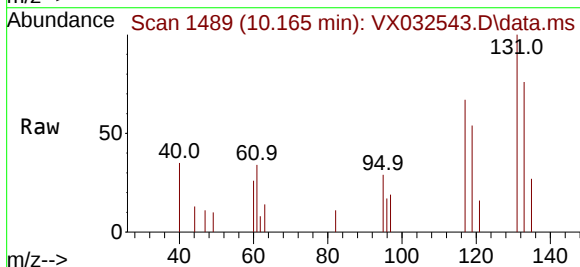
Manual Integrations
APPROVED

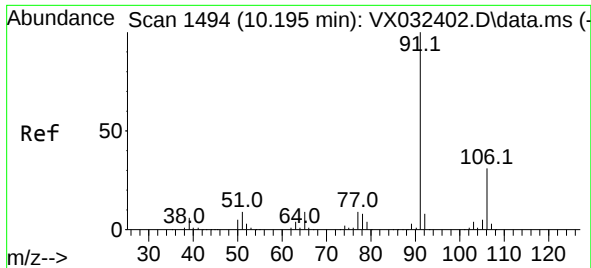
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#66
1,1,1,2-Tetrachloroethane
Concen: 0.691 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:131 Resp: 817
Ion Ratio Lower Upper
131 100
133 92.7 47.6 142.9
119 0.0 32.4 97.0#





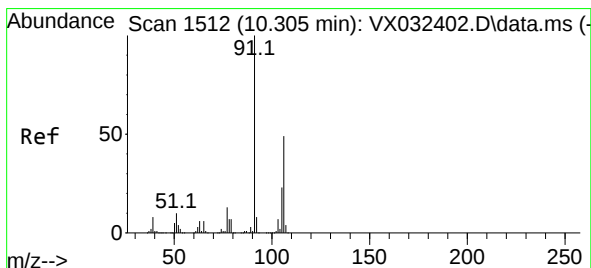
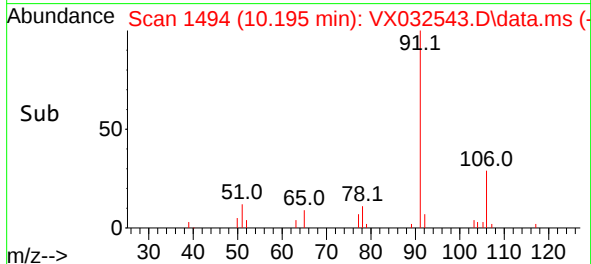
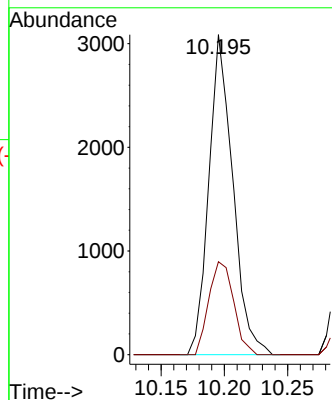
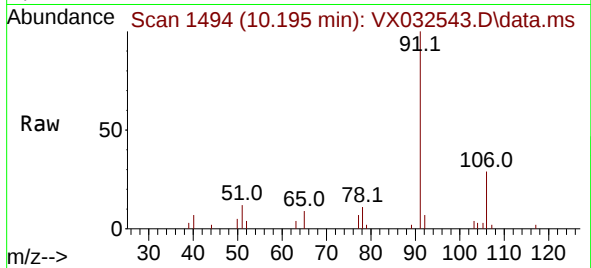
#67
Ethyl Benzene
Concen: 0.725 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 91 Resp: 4069
Ion Ratio Lower Upper
91 100
106 29.0 25.0 37.6

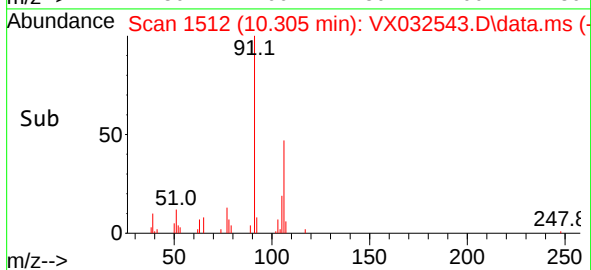
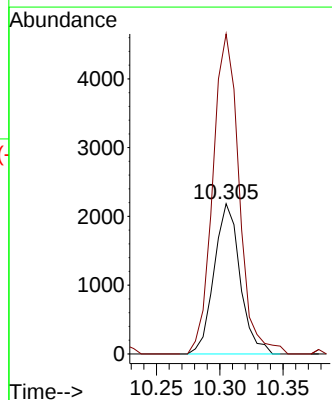
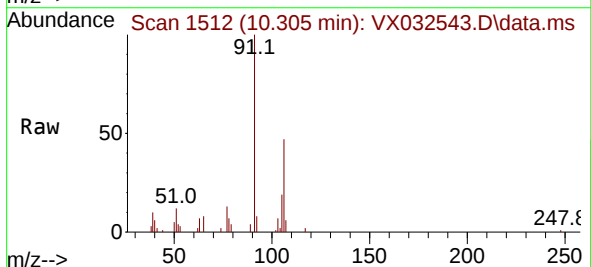
Manual Integrations
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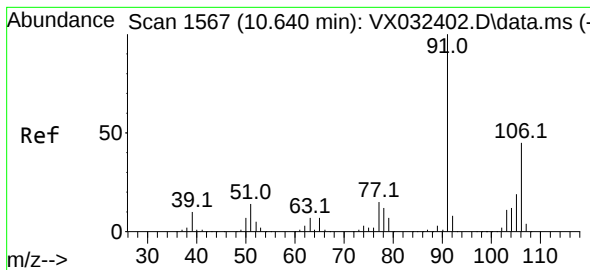
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#68
m/p-Xylenes
Concen: 1.430 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:106 Resp: 3118
Ion Ratio Lower Upper
106 100
91 215.4 164.5 246.7





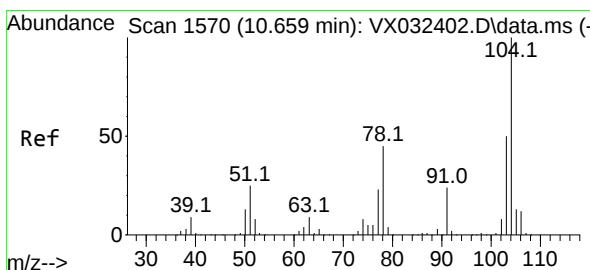
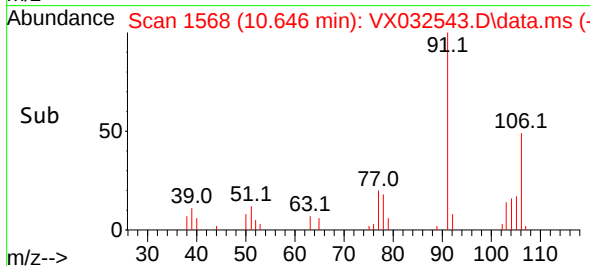
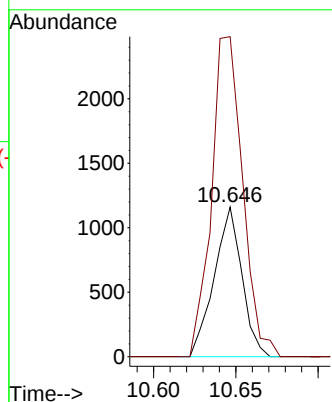
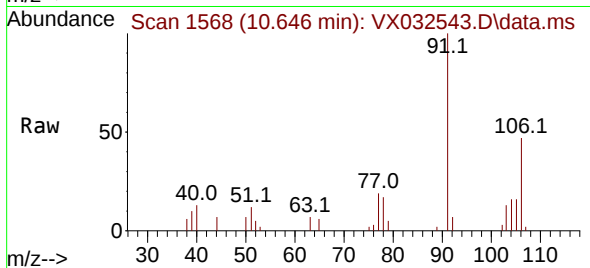
#69
o-Xylene
Concen: 0.641 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:106 Resp: 1359
Ion Ratio Lower Upper
106 100
91 240.1 109.2 327.6

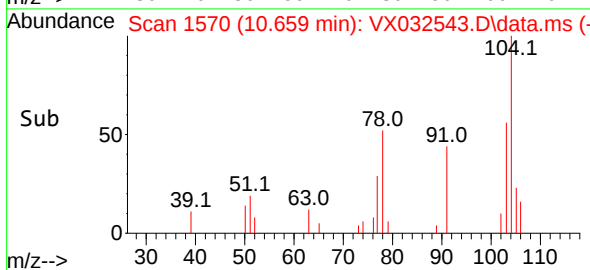
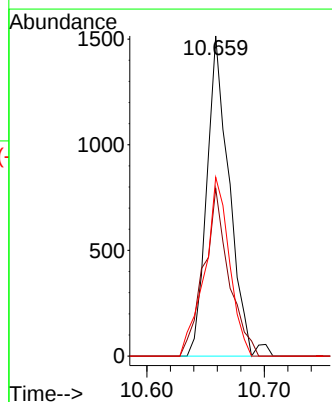
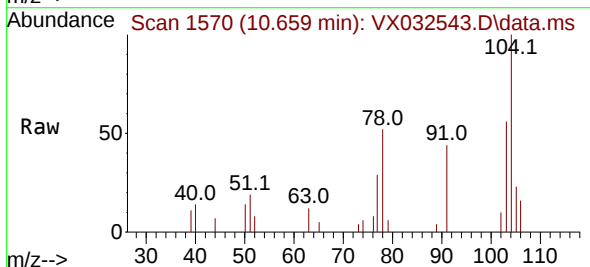
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#70
Styrene
Concen: 0.572 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion:104 Resp: 2014
Ion Ratio Lower Upper
104 100
78 58.3 41.8 62.8
103 61.2 44.5 66.7





#71

Bromoform

Concen: 0.598 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX032543.D

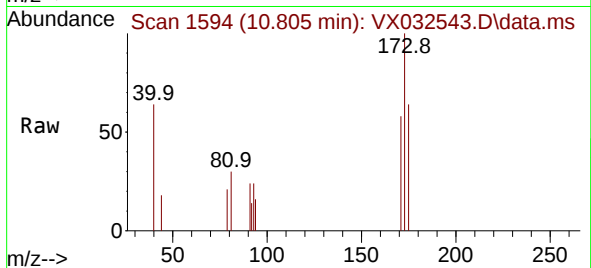
Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

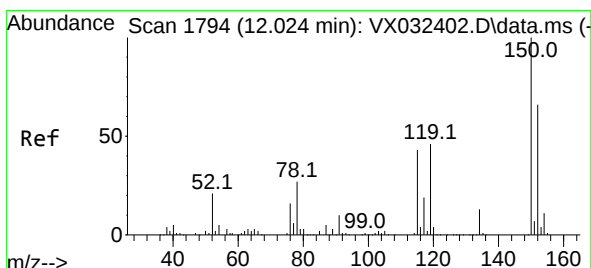
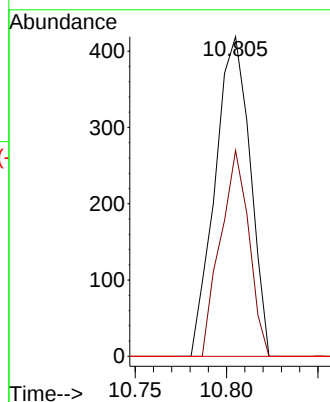
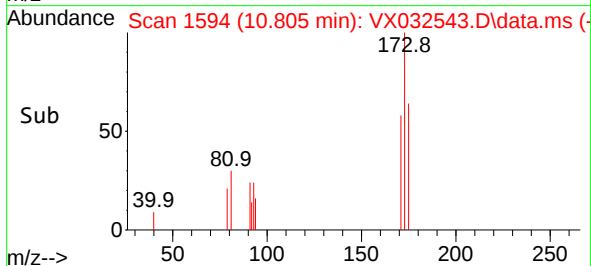
MDL-WATER-03-QT4-2022



Tgt Ion:	173	Resp:	559
Ion Ratio	Lower	Upper	
173	100		
175	52.4	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

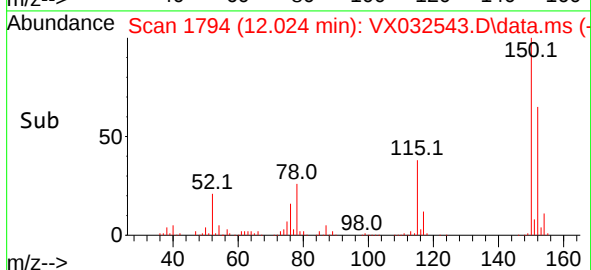
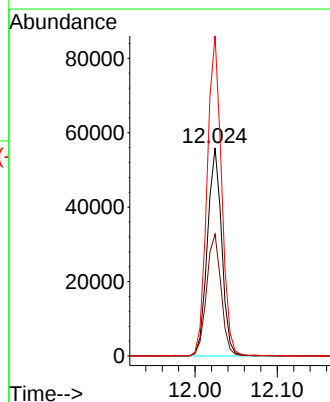
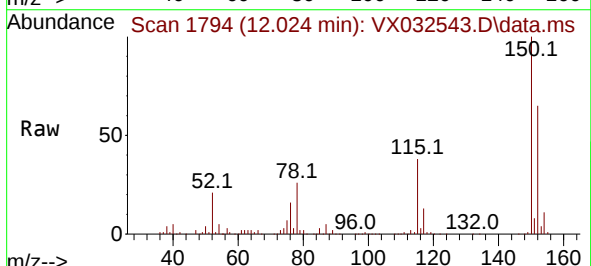
RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

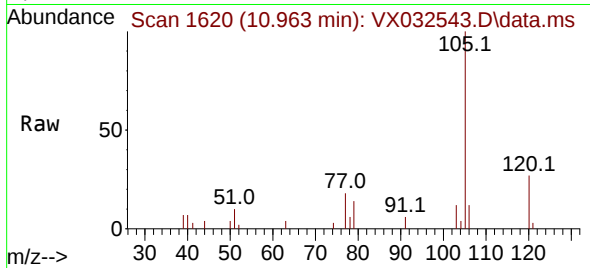
Tgt Ion:	152	Resp:	67302
Ion Ratio	Lower	Upper	
152	100		
115	59.8	44.0	132.0
150	156.2	0.0	351.8





#73
Isopropylbenzene
Concen: 0.686 ug/l
RT: 10.963 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

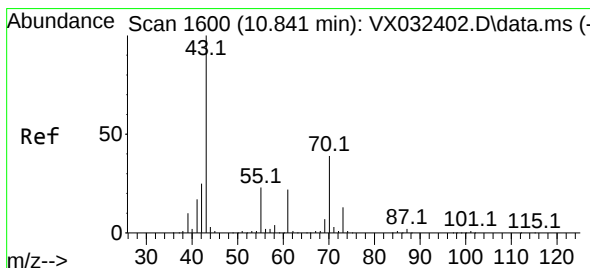
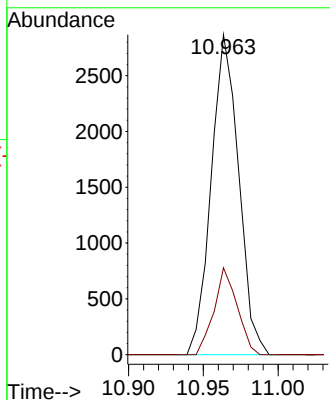
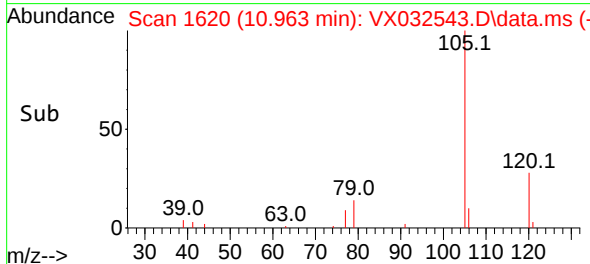
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



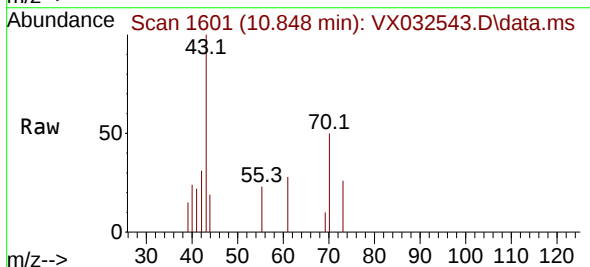
Tgt Ion:105 Resp: 3650
Ion Ratio Lower Upper
105 100
120 22.9 13.1 39.3

Manual Integrations
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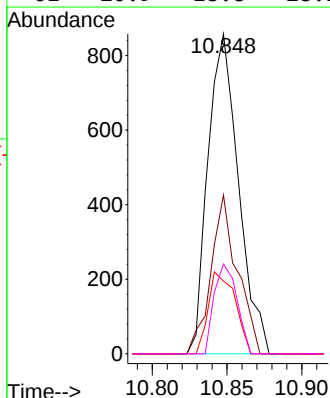
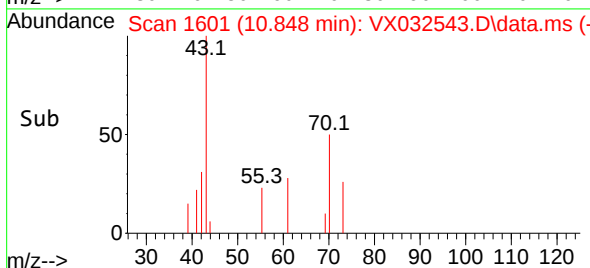
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

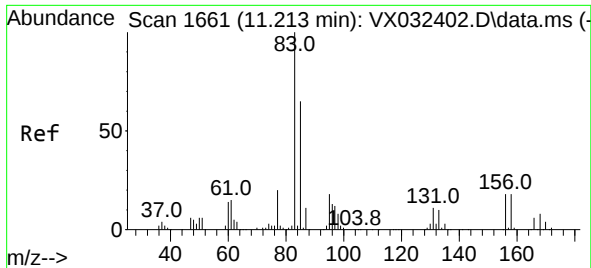


#74
N-ethyl acetate
Concen: 0.605 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



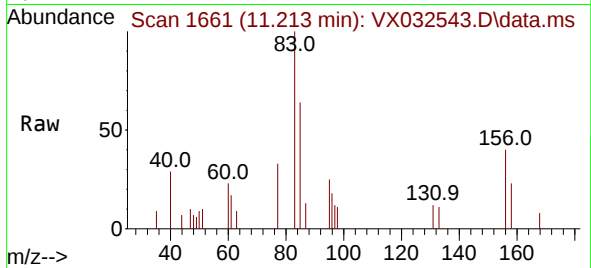
Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
70 43.0 33.6 50.4
55 22.3 19.4 29.2
61 20.9 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 0.774 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

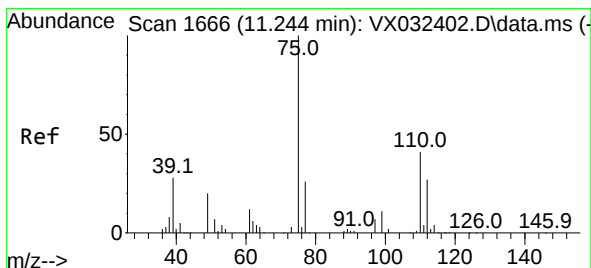
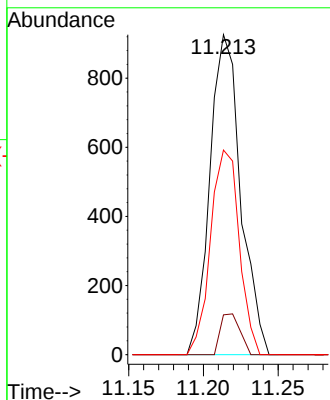
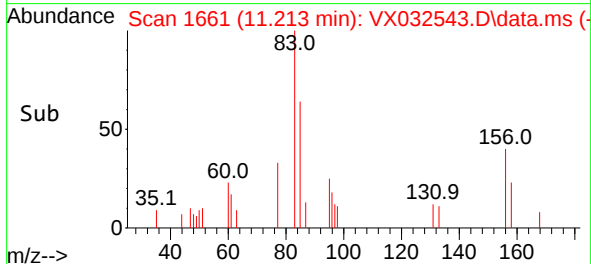
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion: 83 Resp: 1329
Ion Ratio Lower Upper
83 100
131 8.1 5.4 16.2
85 59.5 31.9 95.9

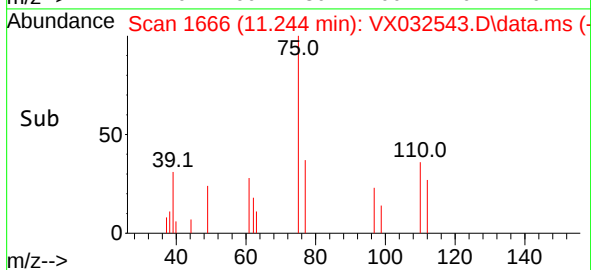
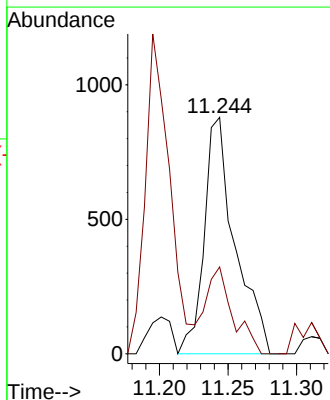
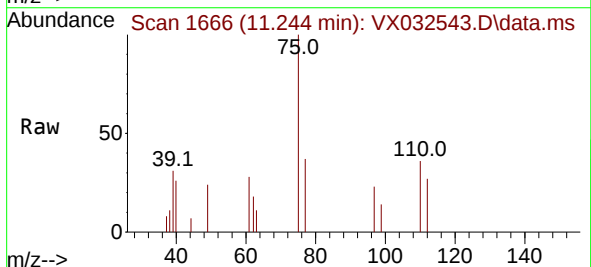
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#76
1,2,3-Trichloropropane
Concen: 0.916 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Tgt Ion: 75 Resp: 1372
Ion Ratio Lower Upper
75 100
77 32.1 20.0 60.0





#77

Bromobenzene

Concen: 0.751 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

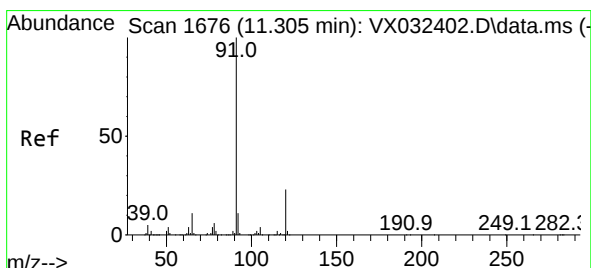
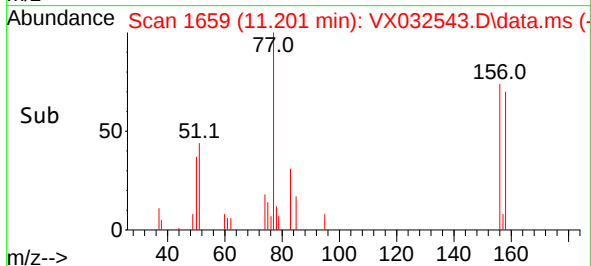
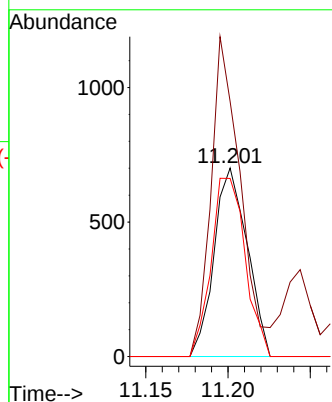
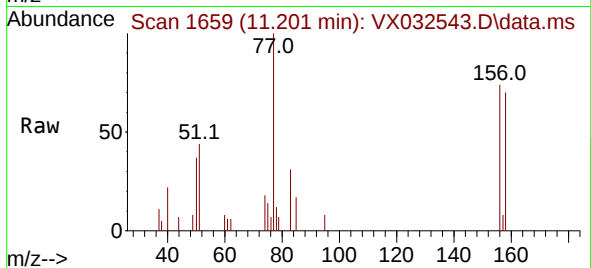
Tgt Ion:	156	Resp:	982
Ion Ratio	Lower	Upper	
156	100		
77	150.7	76.1	228.4
158	97.5	48.8	146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#78

n-propylbenzene

Concen: 0.721 ug/l

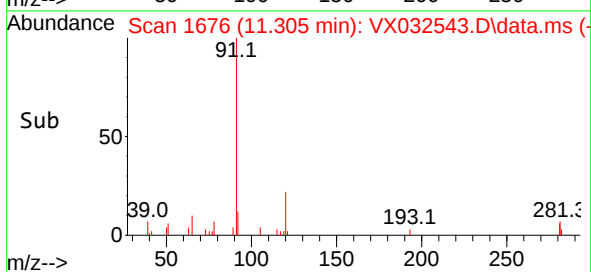
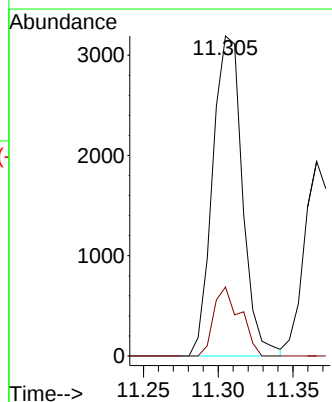
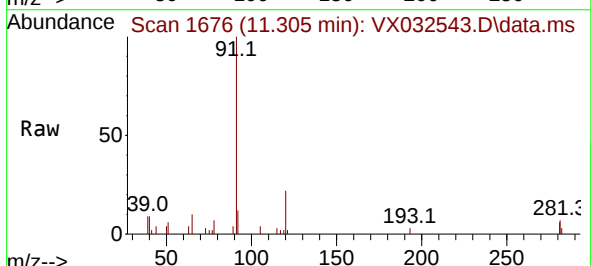
RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Tgt Ion:	91	Resp:	4432
Ion Ratio	Lower	Upper	
91	100		
120	19.2	11.6	34.8





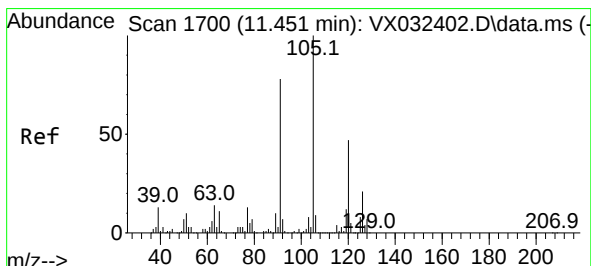
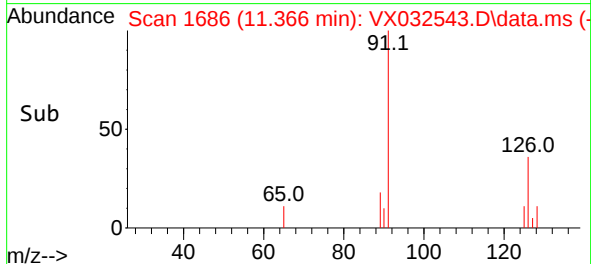
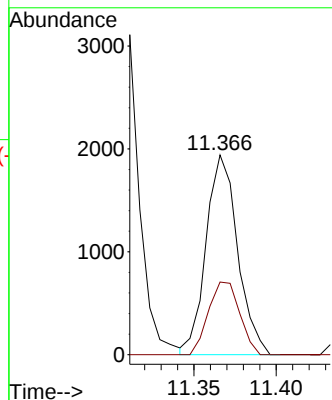
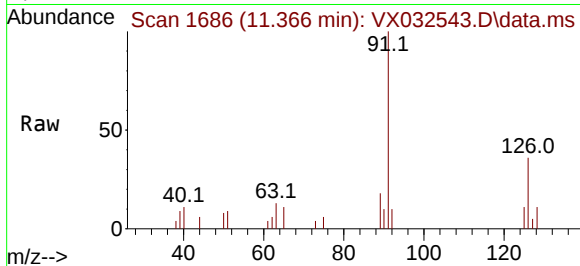
#79
2-Chlorotoluene
Concen: 0.704 ug/l
RT: 11.366 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 91 Resp: 2589
Ion Ratio Lower Upper
91 100
126 36.0 17.1 51.2

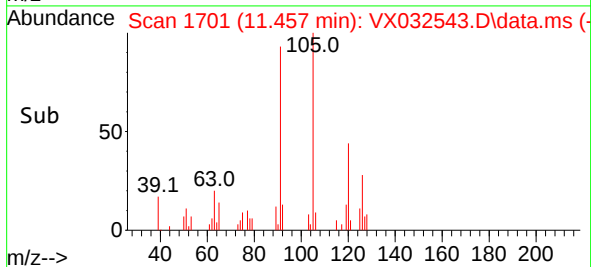
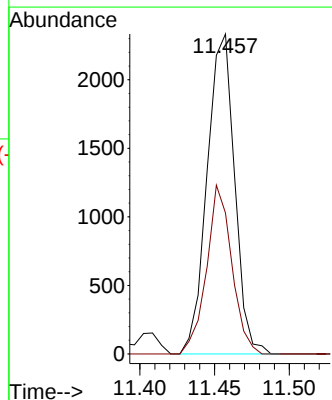
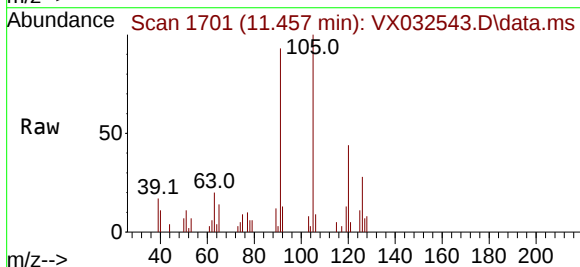
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#80
1,3,5-Trimethylbenzene
Concen: 0.656 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

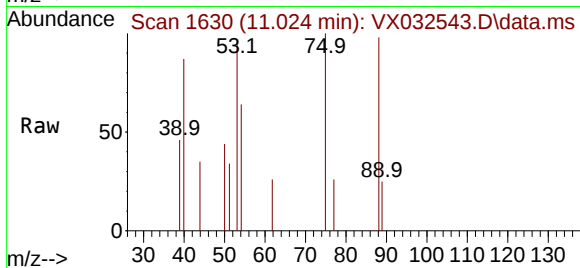
Tgt Ion:105 Resp: 2988
Ion Ratio Lower Upper
105 100
120 48.4 23.6 71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 0.444 ug/l m
RT: 11.024 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

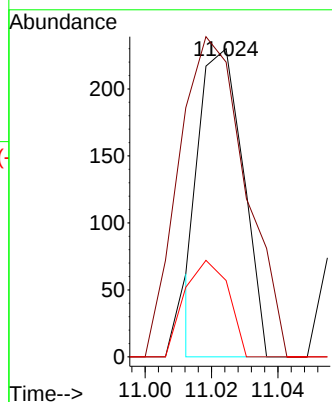
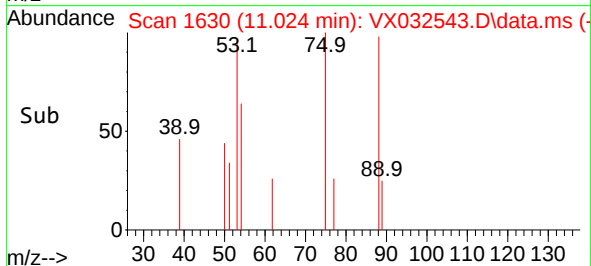
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3
89 12.9 38.3 57.5

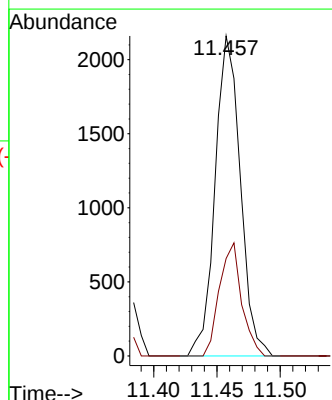
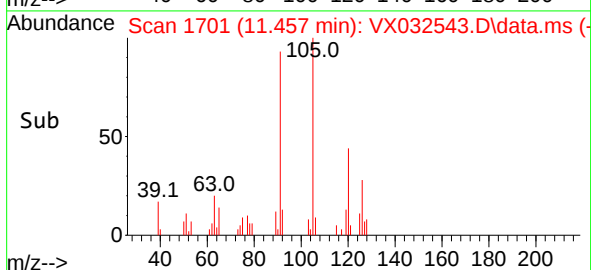
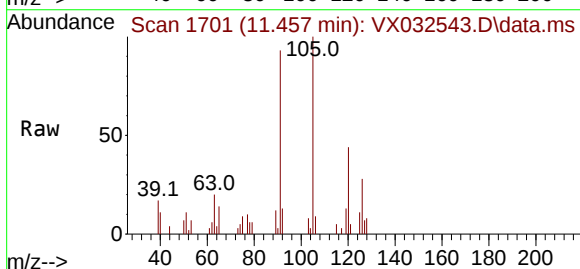
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#82
4-Chlorotoluene
Concen: 0.694 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

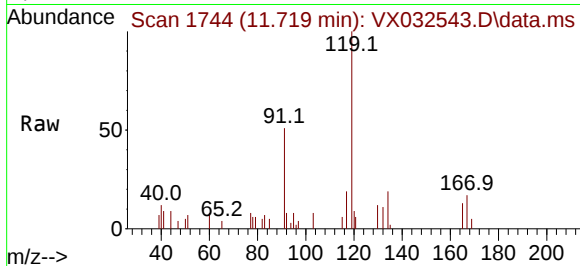
Tgt Ion: 91 Resp: 2989
Ion Ratio Lower Upper
91 100
126 31.0 14.8 44.4





#83
tert-Butylbenzene
Concen: 0.668 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

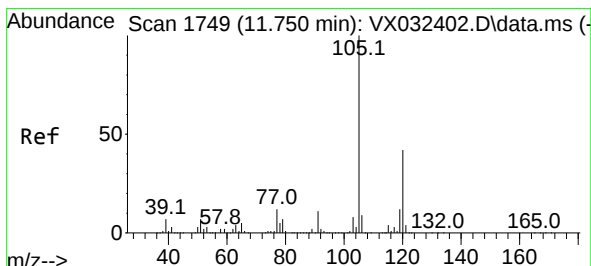
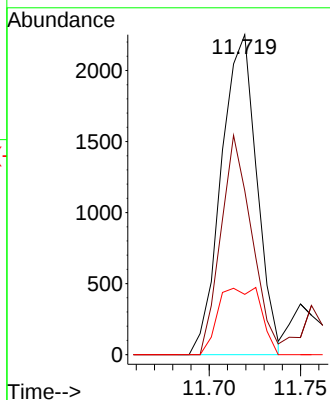
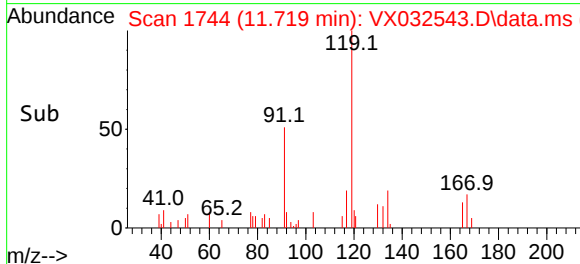
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



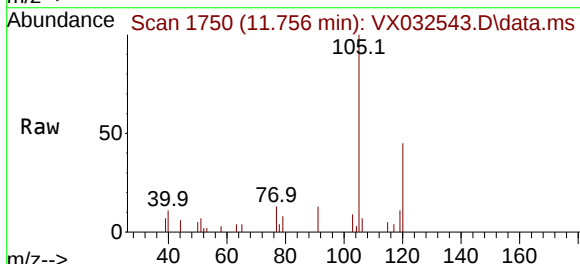
Tgt Ion:119 Resp: 3040
Ion Ratio Lower Upper
119 100
91 60.1 29.4 88.2
134 25.1 11.0 33.0

Manual Integrations
APPROVED

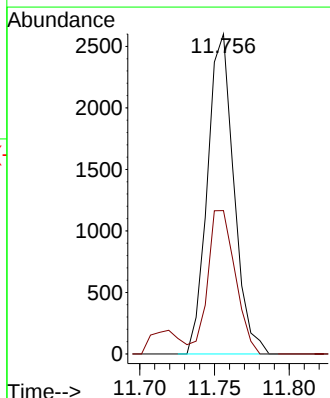
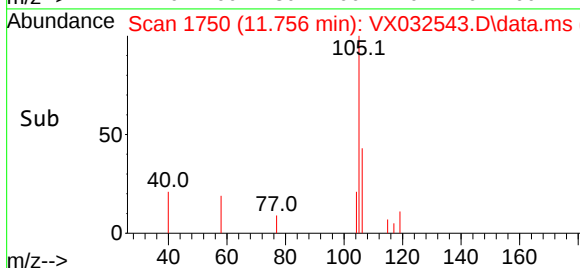
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

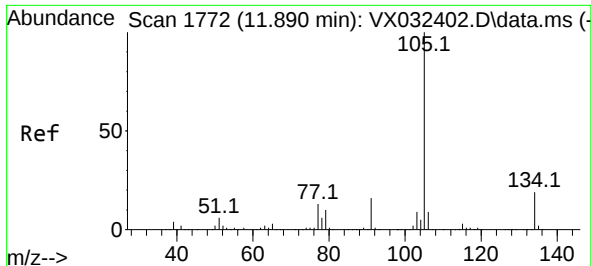


#84
1,2,4-Trimethylbenzene
Concen: 0.705 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



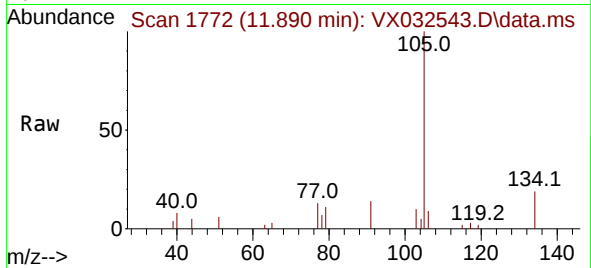
Tgt Ion:105 Resp: 3196
Ion Ratio Lower Upper
105 100
120 46.6 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 0.655 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13

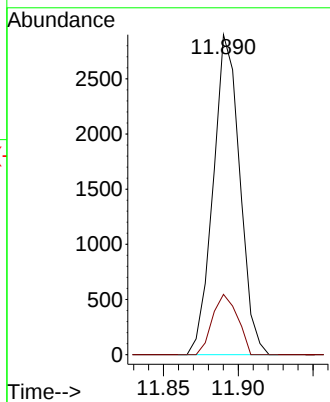
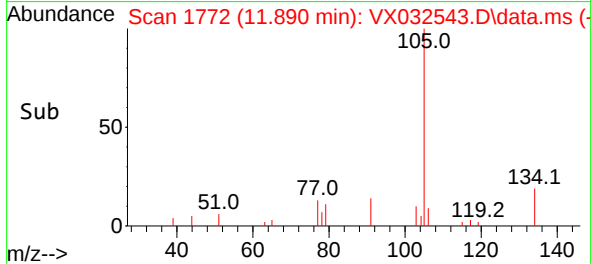
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022



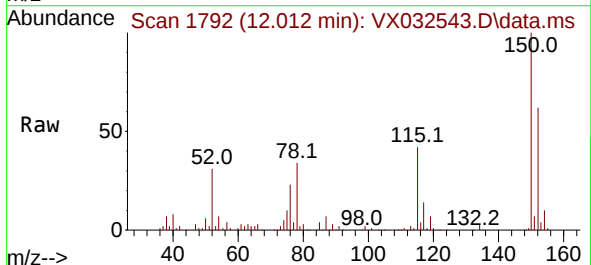
Tgt Ion:105 Resp: 3589
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.9 29.7

Manual Integrations
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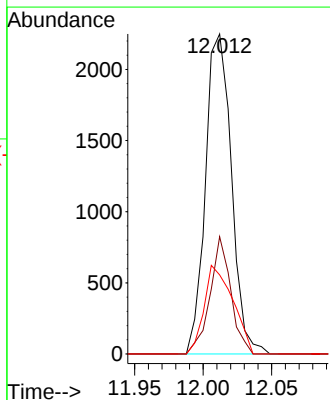
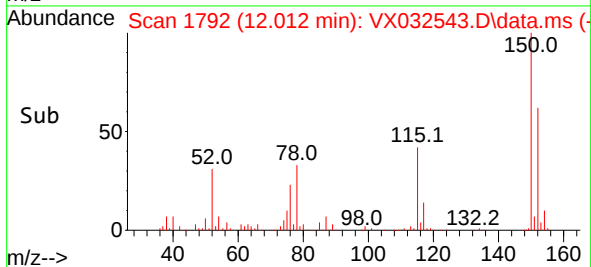
Reviewed By :John Carlone 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022



#86
 p-Isopropyltoluene
 Concen: 0.638 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032543.D
 Acq: 02 Nov 2022 17:13



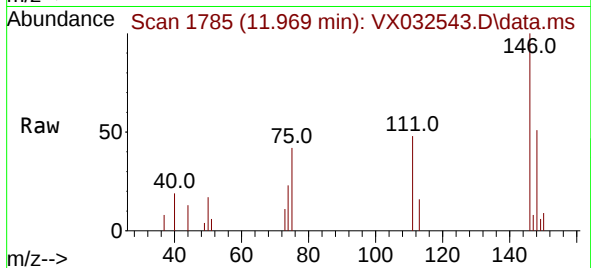
Tgt Ion:119 Resp: 2963
 Ion Ratio Lower Upper
 119 100
 134 29.4 12.9 38.7
 91 30.6 12.5 37.5





#87
1,3-Dichlorobenzene
Concen: 0.677 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

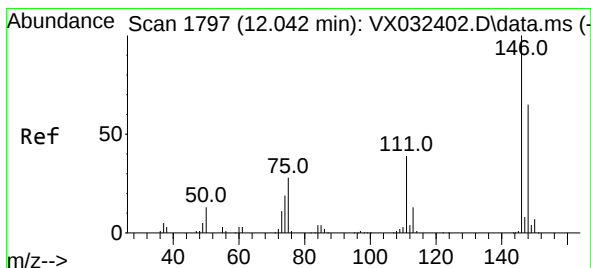
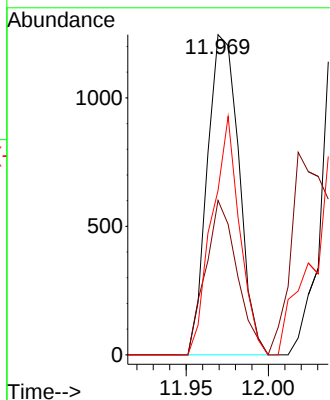
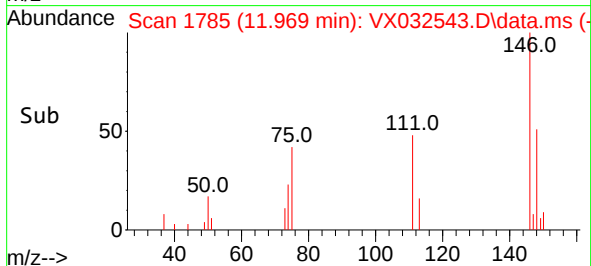
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



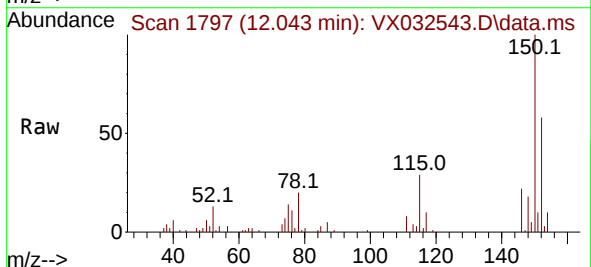
Tgt Ion:146 Resp: 1670
Ion Ratio Lower Upper
146 100
111 47.9 20.6 61.8
148 65.5 31.7 95.1

Manual Integrations
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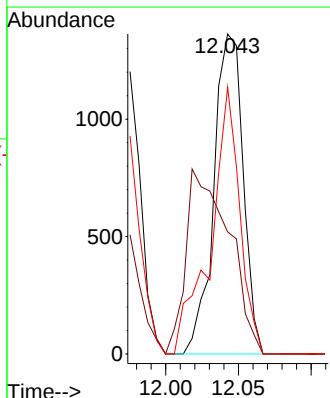
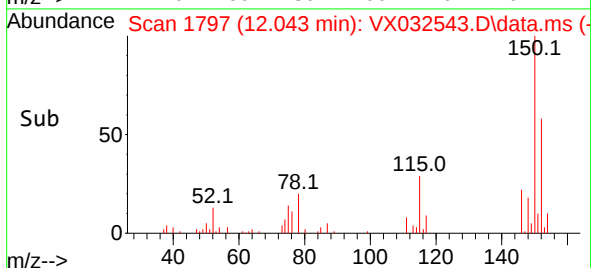
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

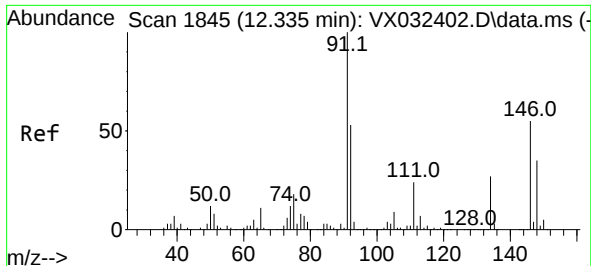


#88
1,4-Dichlorobenzene
Concen: 0.745 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion:146 Resp: 1906
Ion Ratio Lower Upper
146 100
111 42.0 20.5 61.6
148 57.4 32.2 96.6





#89

n-Butylbenzene

Concen: 0.606 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

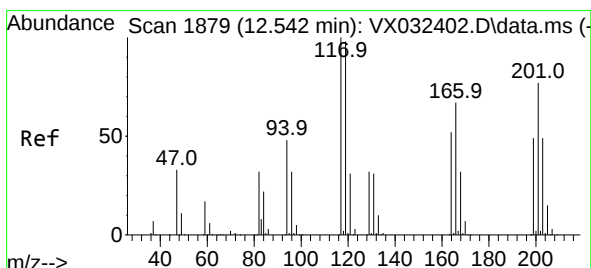
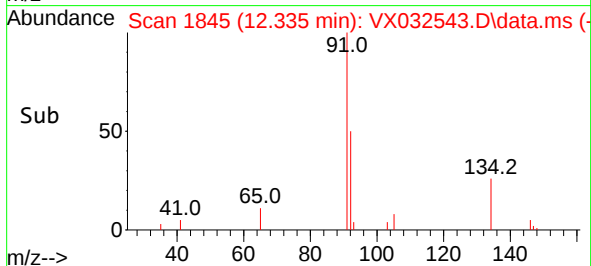
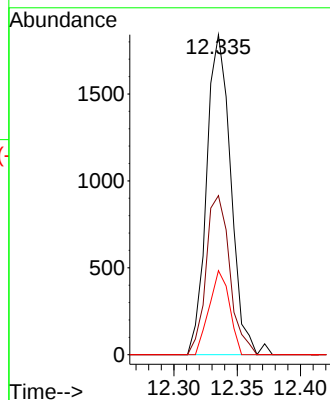
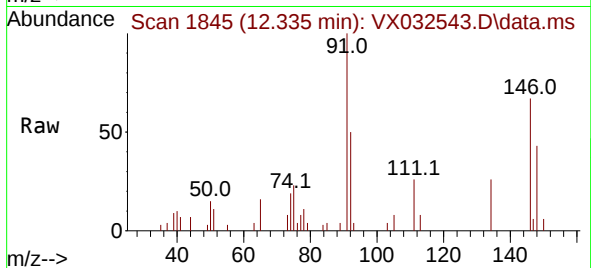
Tgt Ion: 91	Resp: 245
Ion Ratio	Lower Upper
91	100
92	48.9 26.2 78.6
134	22.1 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#90

Hexachloroethane

Concen: 0.667 ug/l

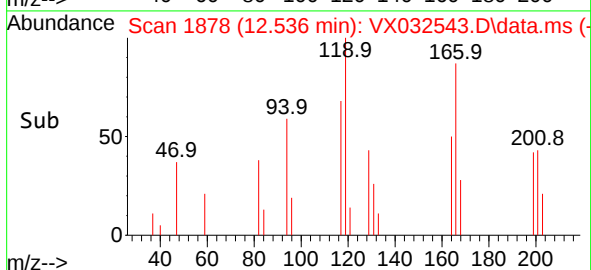
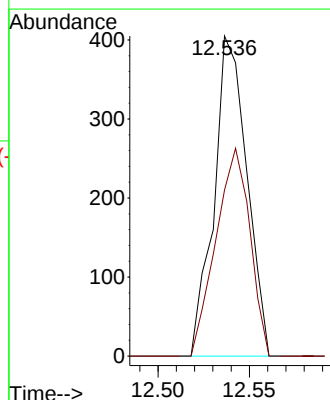
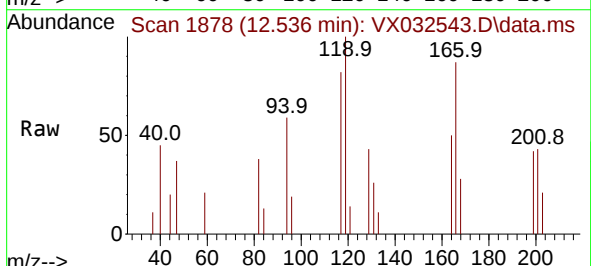
RT: 12.536 min Scan# 1878

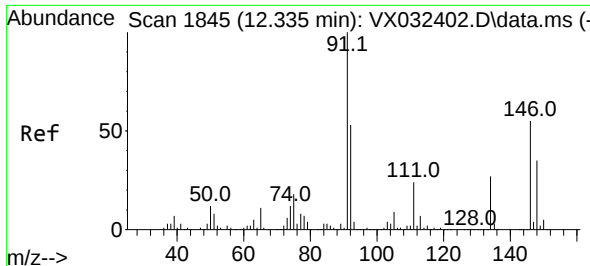
Delta R.T. -0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

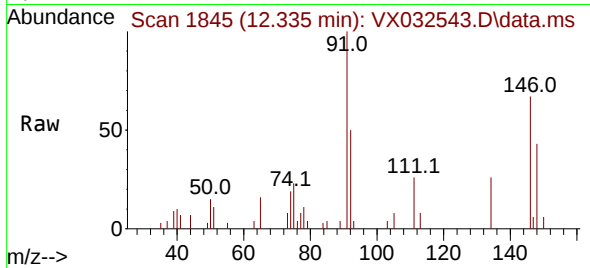
Tgt Ion: 117	Resp: 506
Ion Ratio	Lower Upper
117	100
201	67.2 37.6 112.9





#91
1,2-Dichlorobenzene
Concen: 0.715 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

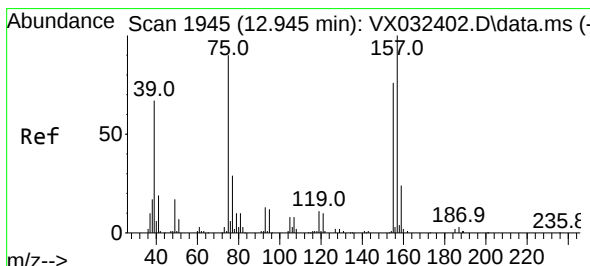
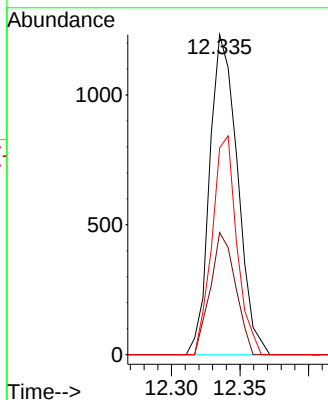
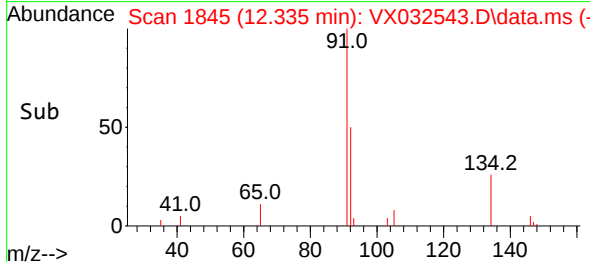
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



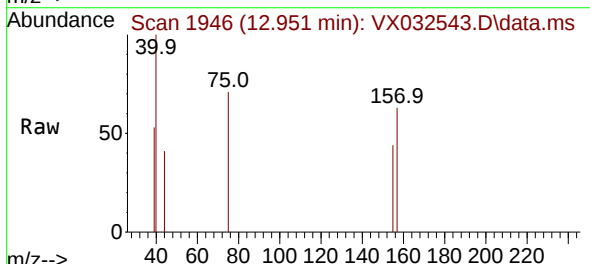
Tgt Ion: 146 Resp: 1738
Ion Ratio Lower Upper
146 100
111 34.5 21.5 64.5
148 60.9 32.0 96.2

Manual Integrations
APPROVED

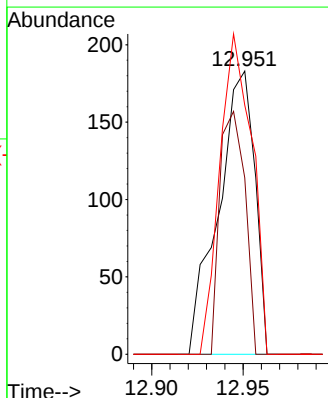
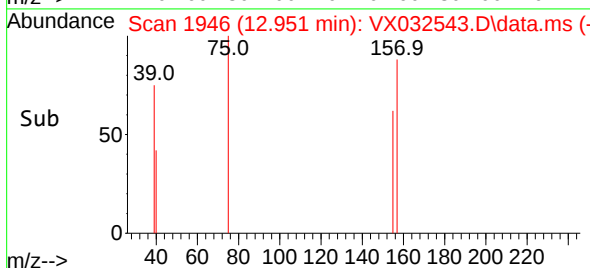
Reviewed By :John Carlone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022

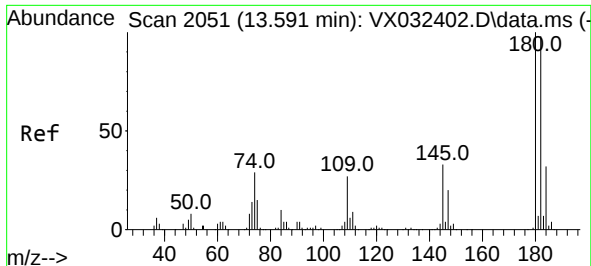


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.679 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion: 75 Resp: 255
Ion Ratio Lower Upper
75 100
155 59.2 41.6 124.8
157 99.6 54.1 162.4





#93

1,2,4-Trichlorobenzene

Concen: 0.622 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

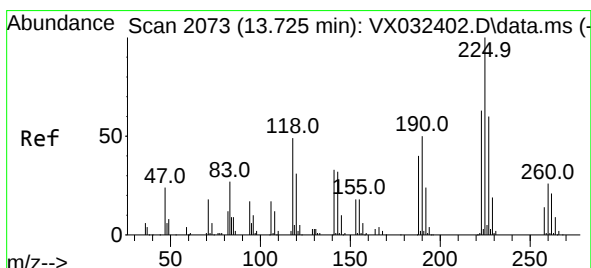
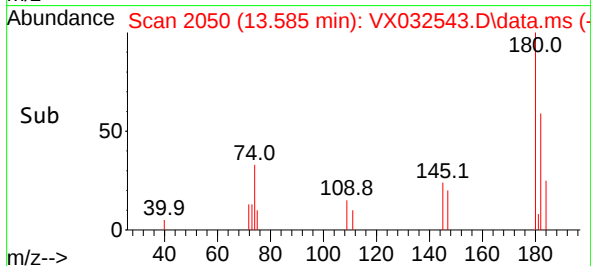
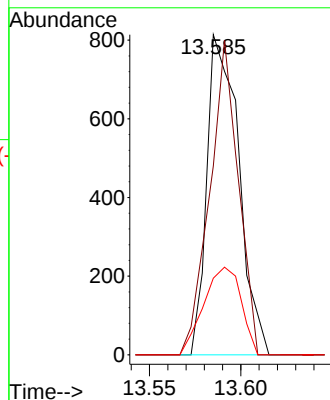
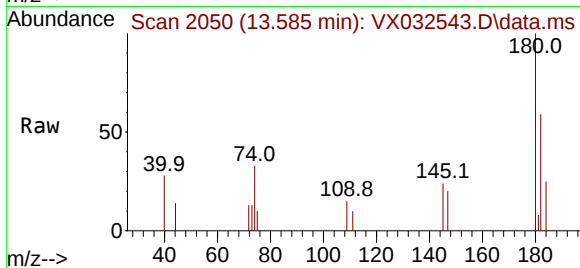
Tgt Ion:180	Resp:	980
Ion Ratio	Lower	Upper
180	100	
182	88.3	48.4 145.0
145	32.2	16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#94

Hexachlorobutadiene

Concen: 0.581 ug/l

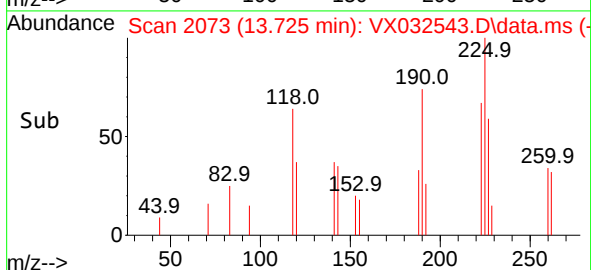
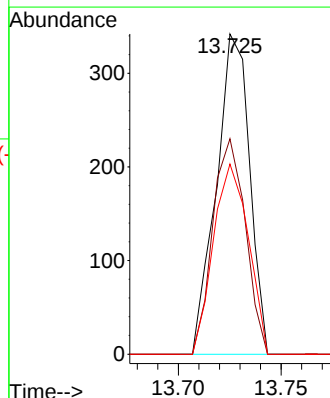
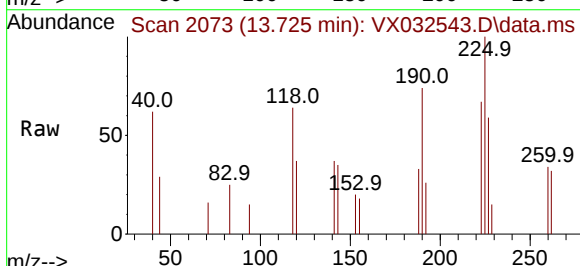
RT: 13.725 min Scan# 2073

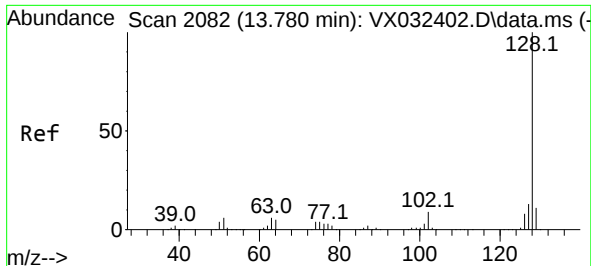
Delta R.T. 0.000 min

Lab File: VX032543.D

Acq: 02 Nov 2022 17:13

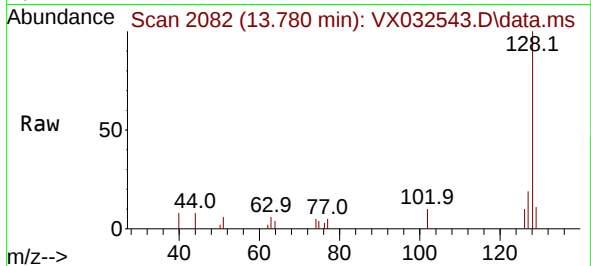
Tgt Ion:225	Resp:	385
Ion Ratio	Lower	Upper
225	100	
223	66.0	31.9 95.9
227	62.3	31.9 95.5





#95
Naphthalene
Concen: 0.659 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13

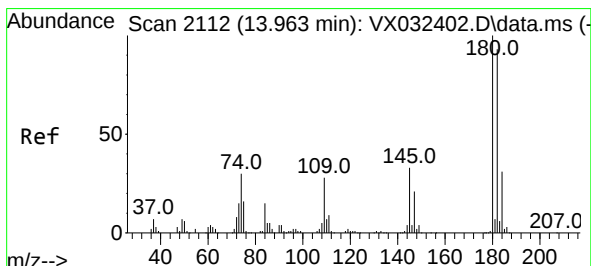
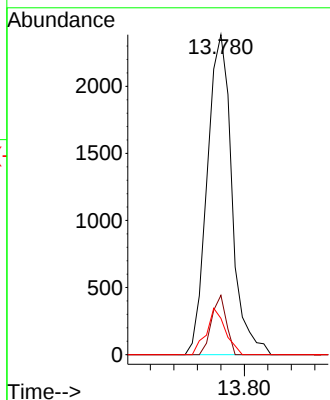
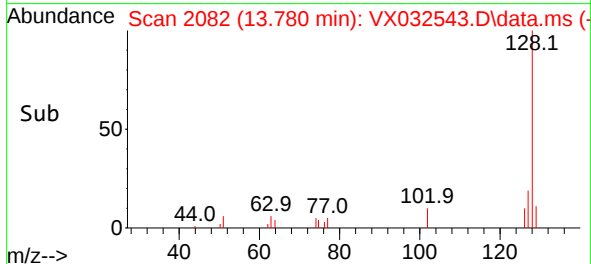
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



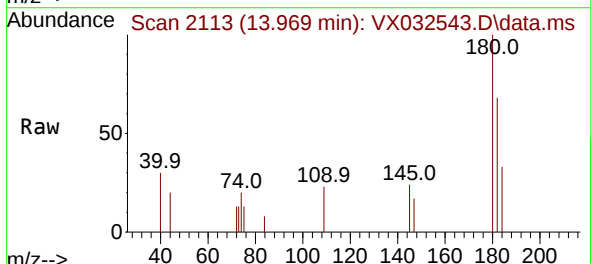
Tgt Ion:128 Resp: 3480
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.4
129 11.1 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carbone 11/03/2022
Supervised By :Mahesh Dadoda 11/03/2022



#96
1,2,3-Trichlorobenzene
Concen: 0.621 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX032543.D
Acq: 02 Nov 2022 17:13



Tgt Ion:180 Resp: 1001
Ion Ratio Lower Upper
180 100
182 97.7 47.5 142.6
145 30.0 16.9 50.6

