

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121224\
 Data File : VX044244.D
 Acq On : 12 Dec 2024 12:01
 Operator : JC/MD
 Sample : P4368-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Dec 13 05:05:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 05:00:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/13/2024
 Supervised By :Mahesh Dadoda 12/13/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237245	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114525	49.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	5.385	113	78737	47.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	278165	50.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.360%		
62) 4-Bromofluorobenzene	11.079	95	88157	45.512	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	911	0.443	ug/l	96
3) Chloromethane	1.294	50	1145	0.582	ug/l	96
4) Vinyl Chloride	1.374	62	1024	0.500	ug/l	94
5) Bromomethane	1.593	94	1320	0.909	ug/l	96
6) Chloroethane	1.660	64	769m	0.603	ug/l	
7) Trichlorofluoromethane	1.867	101	1839	0.459	ug/l	96
8) Diethyl Ether	2.136	74	773	0.565	ug/l	69
9) 1,1,2-Trichlorotrifluo...	2.325	101	654	0.403	ug/l #	68
10) Methyl Iodide	2.441	142	859	0.402	ug/l	98
11) Tert butyl alcohol	2.995	59	557	1.695	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	821	0.551	ug/l #	67
13) Acrolein	2.239	56	1014	2.132	ug/l	90
14) Allyl chloride	2.654	41	1495	0.602	ug/l #	91
15) Acrylonitrile	3.068	53	2067	2.271	ug/l #	88
16) Acetone	2.386	43	2454	2.582	ug/l	96
17) Carbon Disulfide	2.495	76	1443	0.509	ug/l	95
18) Methyl Acetate	2.703	43	1400	0.571	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	2613	0.449	ug/l	98
20) Methylene Chloride	2.782	84	955	0.535	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	817	0.516	ug/l #	85
22) Diisopropyl ether	3.764	45	2558	0.458	ug/l #	83
23) Vinyl Acetate	3.739	43	8091m	1.781	ug/l	
24) 1,1-Dichloroethane	3.617	63	1466	0.471	ug/l #	82
25) 2-Butanone	4.605	43	3105m	2.298	ug/l	
26) 2,2-Dichloropropane	4.446	77	1050m	0.415	ug/l	
27) cis-1,2-Dichloroethene	4.483	96	799	0.397	ug/l	65
28) Bromochloromethane	4.897	49	566m	0.370	ug/l	
29) Tetrahydrofuran	5.044	42	2015m	2.324	ug/l	
30) Chloroform	5.080	83	1618m	0.462	ug/l	
31) Cyclohexane	5.452	56	1291m	0.513	ug/l	
32) 1,1,1-Trichloroethane	5.379	97	1439	0.495	ug/l #	52
36) 1,1-Dichloropropene	5.696	75	1133	0.533	ug/l #	70
37) Ethyl Acetate	4.745	43	1182	0.450	ug/l #	74
38) Carbon Tetrachloride	5.660	117	1143m	0.500	ug/l	
39) Methylcyclohexane	7.367	83	1254	0.494	ug/l #	86
40) Benzene	6.031	78	3197	0.496	ug/l #	90

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Quant Time: Dec 13 05:05:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 05:00:50 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	825m	0.592	ug/l	
42) 1,2-Dichloroethane	6.086	62	1557m	0.586	ug/l	
43) Isopropyl Acetate	6.361	43	1865m	0.454	ug/l	
44) Trichloroethene	7.135	130	858	0.534	ug/l	91
45) 1,2-Dichloropropane	7.440	63	691	0.419	ug/l #	44
46) Dibromomethane	7.592	93	580	0.454	ug/l	89
47) Bromodichloromethane	7.824	83	853	0.386	ug/l #	52
48) Methyl methacrylate	7.720	41	886m	0.445	ug/l	
49) 1,4-Dioxane	7.720	88	154m	4.663	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	4819	1.826	ug/l	97
52) Toluene	8.720	92	1920	0.474	ug/l	91
53) t-1,3-Dichloropropene	8.988	75	901	0.417	ug/l #	72
54) cis-1,3-Dichloropropene	8.379	75	1157	0.481	ug/l #	68
55) 1,1,2-Trichloroethane	9.153	97	752	0.467	ug/l #	80
56) Ethyl methacrylate	9.128	69	809m	0.319	ug/l	
57) 1,3-Dichloropropane	9.317	76	1417	0.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.257	63	2574	2.009	ug/l #	89
59) 2-Hexanone	9.445	43	3633m	1.902	ug/l	
60) Dibromochloromethane	9.525	129	692	0.448	ug/l	90
61) 1,2-Dibromoethane	9.610	107	747	0.456	ug/l	83
64) Tetrachloroethene	9.275	164	714	0.543	ug/l #	68
65) Chlorobenzene	10.079	112	2199	0.518	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	605	0.444	ug/l #	67
67) Ethyl Benzene	10.195	91	3603	0.492	ug/l	99
68) m/p-Xylenes	10.305	106	2445	0.909	ug/l	90
69) o-Xylene	10.640	106	1072	0.394	ug/l	82
70) Styrene	10.665	104	1783	0.409	ug/l #	90
71) Bromoform	10.799	173	392	0.451	ug/l #	88
73) Isopropylbenzene	10.963	105	2717	0.438	ug/l	78
74) N-amyl acetate	10.860	43	1070m	0.373	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.213	83	1057	0.490	ug/l #	93
76) 1,2,3-Trichloropropane	11.238	75	987m	0.545	ug/l	
77) Bromobenzene	11.195	156	810	0.538	ug/l	87
78) n-propylbenzene	11.305	91	2907	0.424	ug/l	97
79) 2-Chlorotoluene	11.366	91	2442	0.550	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	2629	0.510	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.018	75	158m	0.280	ug/l	
82) 4-Chlorotoluene	11.463	91	2602	0.529	ug/l	97
83) tert-Butylbenzene	11.719	119	2524	0.496	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	2155	0.426	ug/l	98
85) sec-Butylbenzene	11.890	105	2138	0.346	ug/l	88
86) p-Isopropyltoluene	12.006	119	2130	0.414	ug/l #	80
87) 1,3-Dichlorobenzene	11.969	146	1487	0.565	ug/l	93
88) 1,4-Dichlorobenzene	12.043	146	1733m	0.641	ug/l	
89) n-Butylbenzene	12.341	91	1528	0.353	ug/l	94
90) Hexachloroethane	12.536	117	387	0.516	ug/l	61
91) 1,2-Dichlorobenzene	12.341	146	1302	0.477	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.957	75	115	0.275	ug/l #	57
93) 1,2,4-Trichlorobenzene	13.597	180	776	0.518	ug/l	83
94) Hexachlorobutadiene	13.725	225	298	0.495	ug/l #	69
95) Naphthalene	13.780	128	2608	0.446	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.969	180	784	0.494	ug/l	95

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ClientSampleId :
MDL-WATER-03-QT4-2024

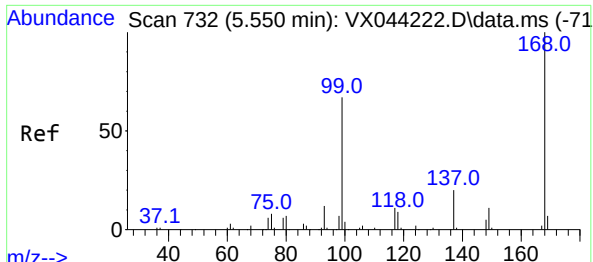
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 12/13/2024

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 05:00:50 2024
Response via : Initial Calibration

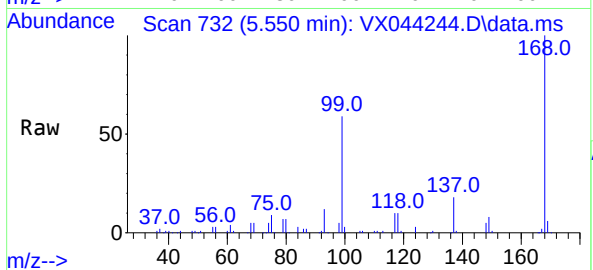
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
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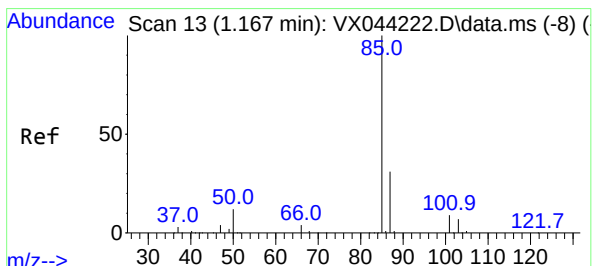
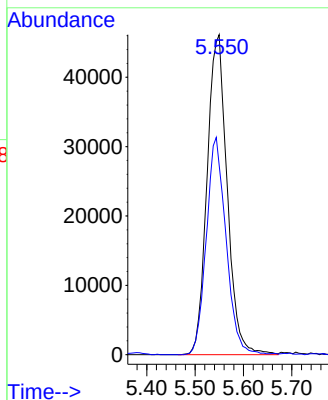
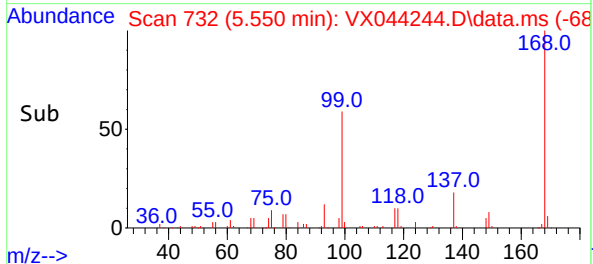
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



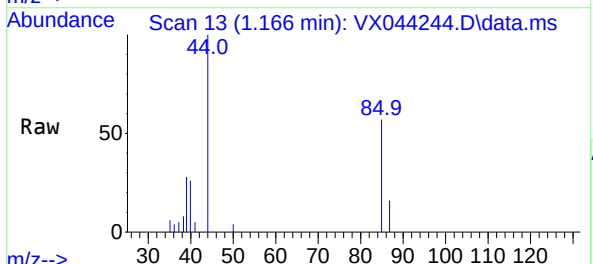
Tgt Ion:168 Resp: 132940
Ion Ratio Lower Upper
168 100
99 59.2 53.4 80.0

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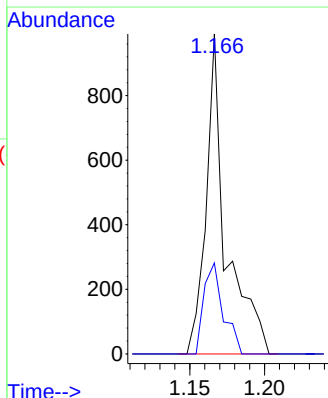
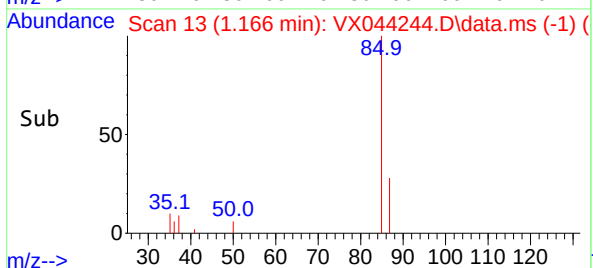
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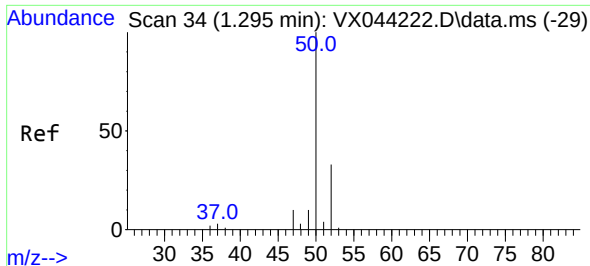


#2
Dichlorodifluoromethane
Concen: 0.443 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



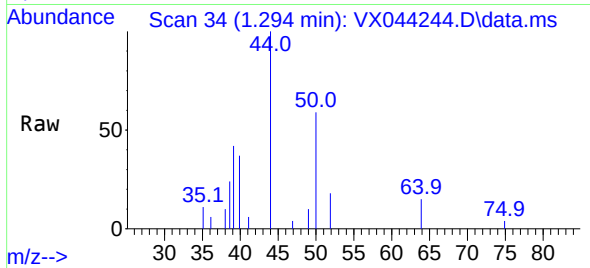
Tgt Ion: 85 Resp: 911
Ion Ratio Lower Upper
85 100
87 28.5 15.4 46.4





#3
Chloromethane
Concen: 0.582 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

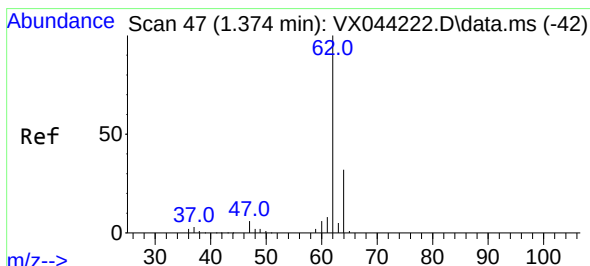
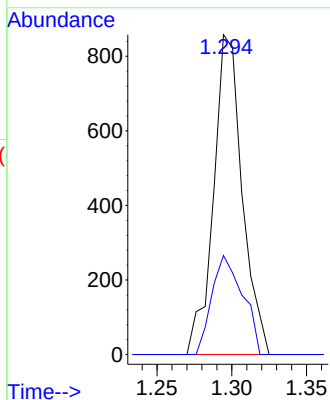
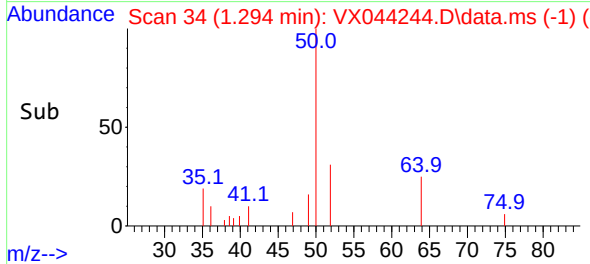
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



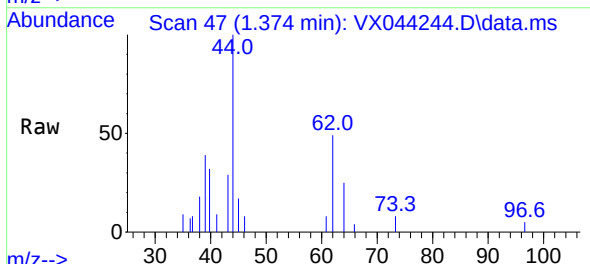
Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 31.0 26.5 39.7

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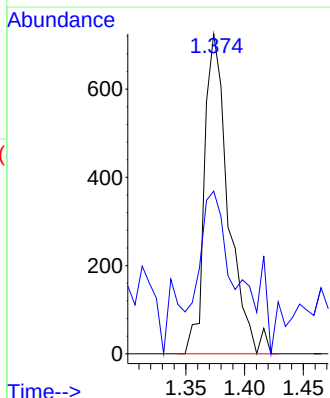
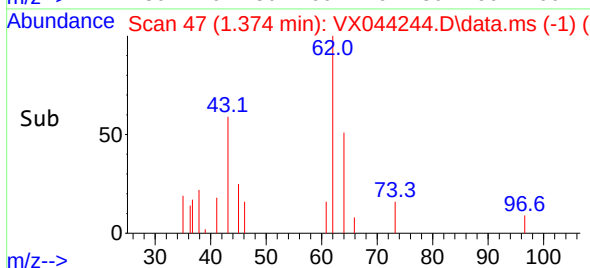
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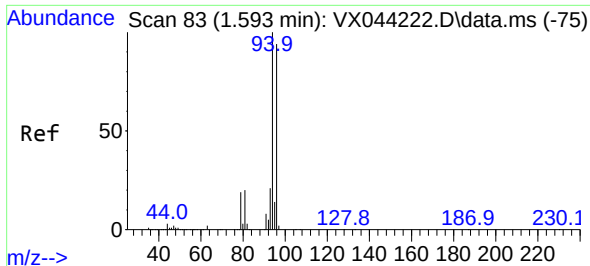


#4
Vinyl Chloride
Concen: 0.500 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



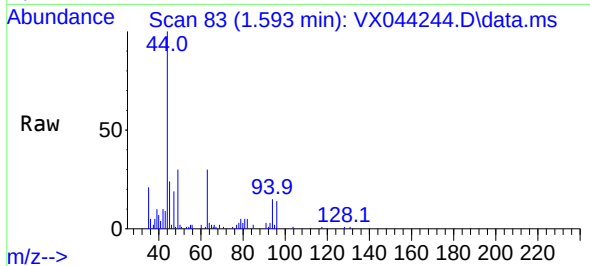
Tgt Ion: 62 Resp: 1024
Ion Ratio Lower Upper
62 100
64 35.4 25.7 38.5





#5
Bromomethane
Concen: 0.909 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

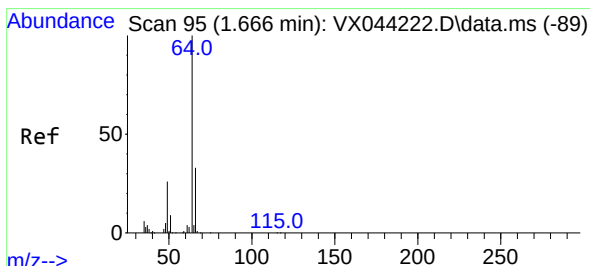
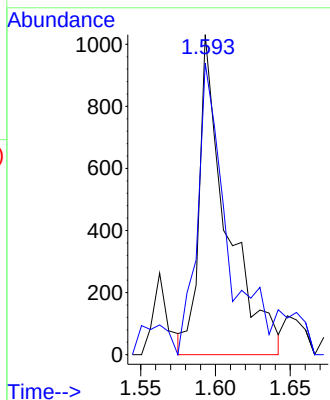
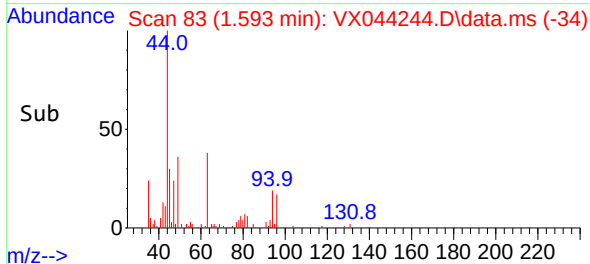
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 94 Resp: 1320
Ion Ratio Lower Upper
94 100
96 97.2 74.9 112.3

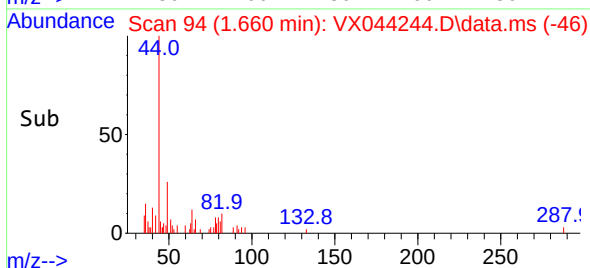
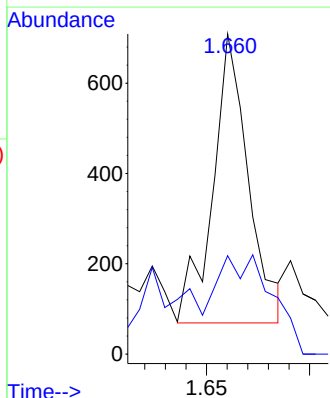
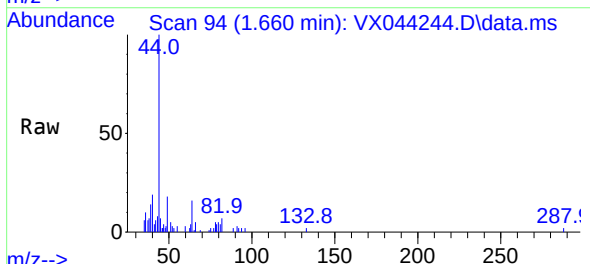
Manual Integrations
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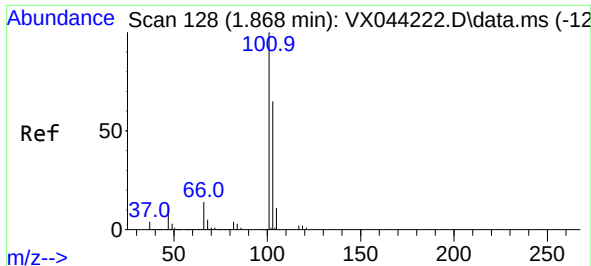
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#6
Chloroethane
Concen: 0.603 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion: 64 Resp: 769
Ion Ratio Lower Upper
64 100
66 30.7 26.6 39.8





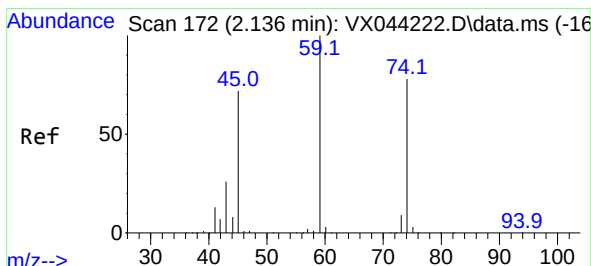
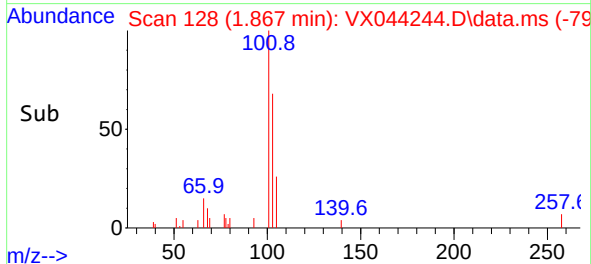
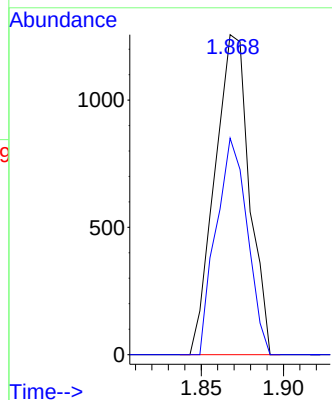
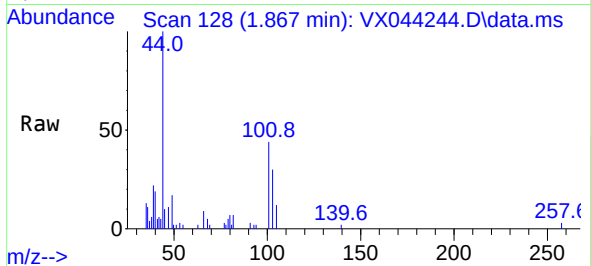
#7
Trichlorofluoromethane
Concen: 0.459 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:101 Resp: 1839
Ion Ratio Lower Upper
101 100
103 67.6 51.8 77.8

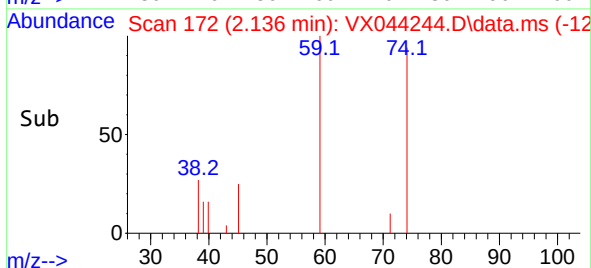
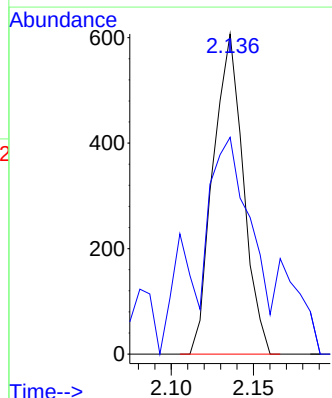
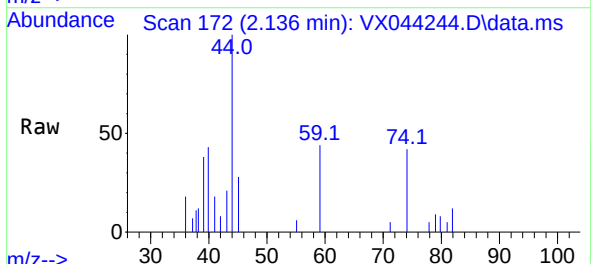
Manual Integrations
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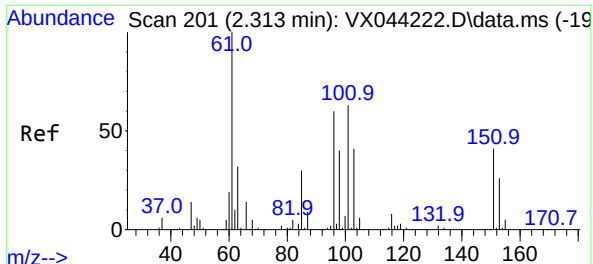
Reviewed By :John Carlone 12/13/2024
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#8
Diethyl Ether
Concen: 0.565 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion: 74 Resp: 773
Ion Ratio Lower Upper
74 100
45 66.4 48.4 145.0





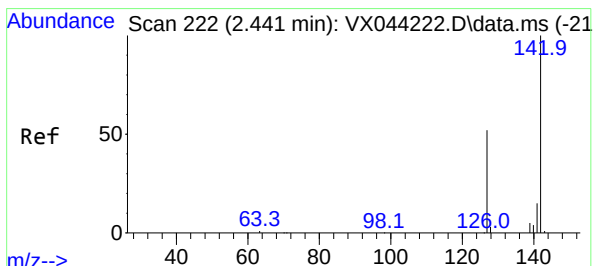
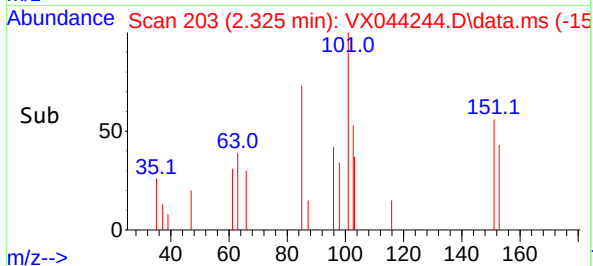
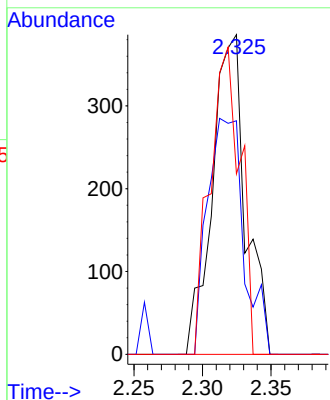
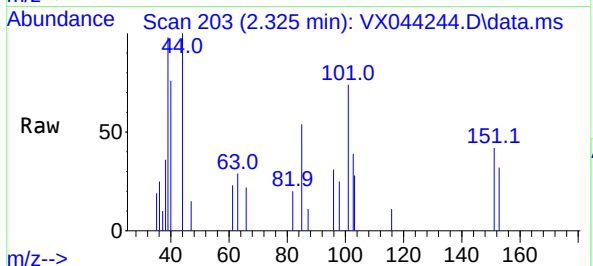
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.403 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:101 Resp: 654
Ion Ratio Lower Upper
101 100
85 80.6 38.5 57.7
151 87.5 55.8 83.6

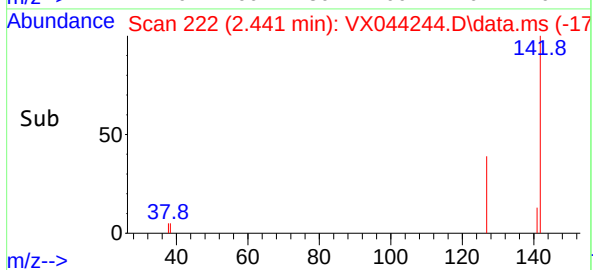
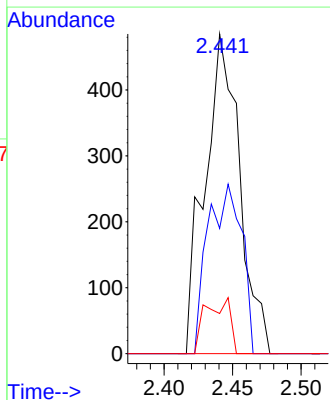
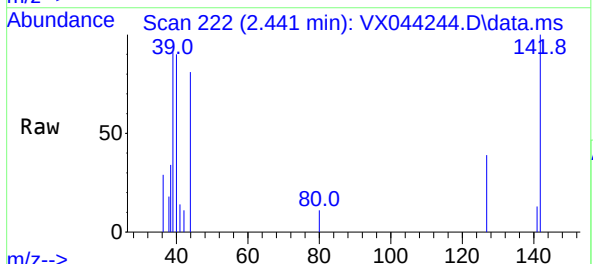
Manual Integrations
APPROVED

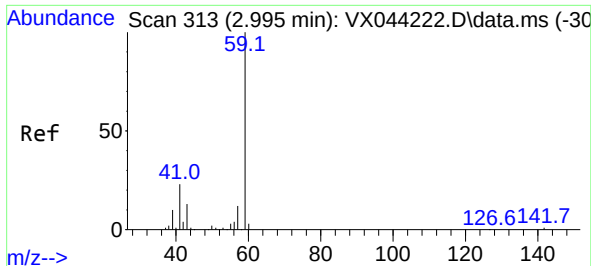
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#10
Methyl Iodide
Concen: 0.402 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

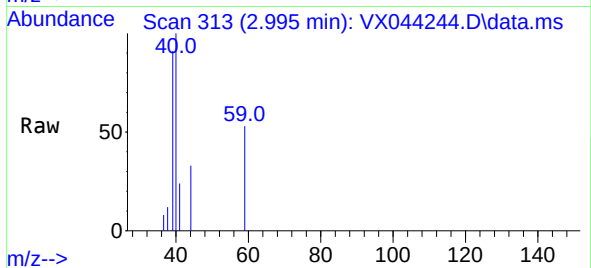
Tgt Ion:142 Resp: 859
Ion Ratio Lower Upper
142 100
127 51.6 41.8 62.8
141 12.2 11.5 17.3





#11
Tert butyl alcohol
Concen: 1.695 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

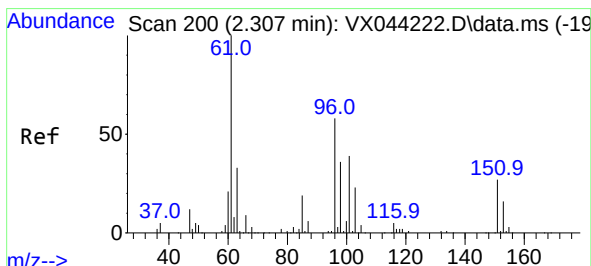
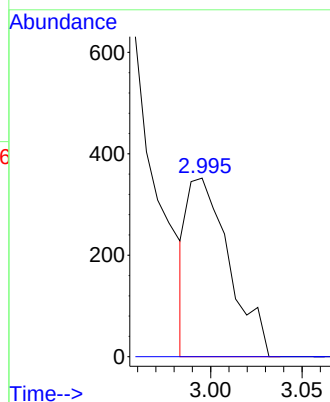
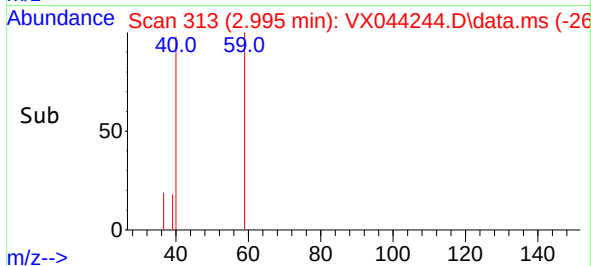
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



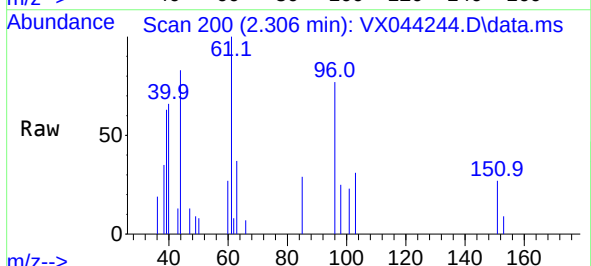
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2

Manual Integrations
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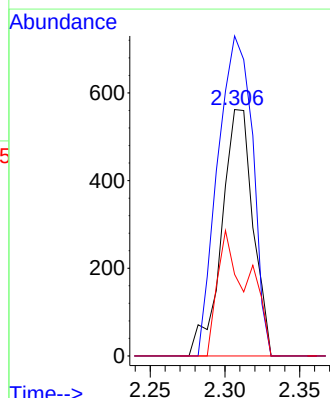
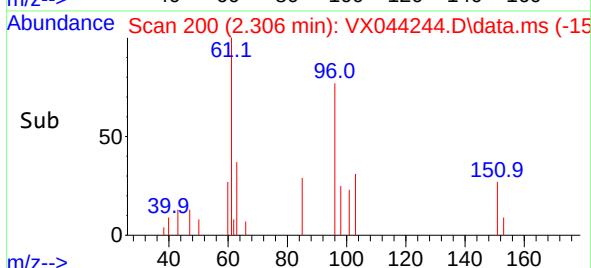
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

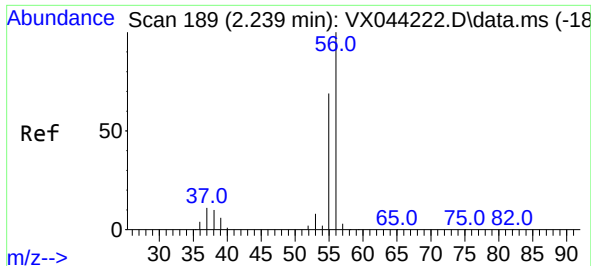


#12
1,1-Dichloroethene
Concen: 0.551 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



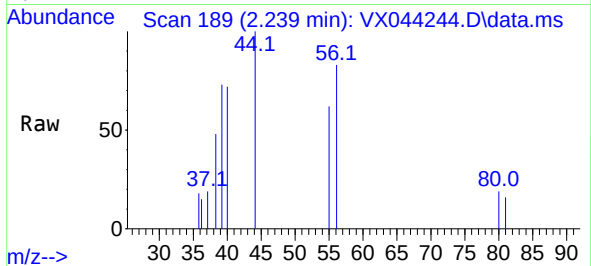
Tgt Ion: 96 Resp: 821
Ion Ratio Lower Upper
96 100
61 129.9 138.0 207.0#
98 33.1 50.0 75.0#





#13
Acrolein
Concen: 2.132 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

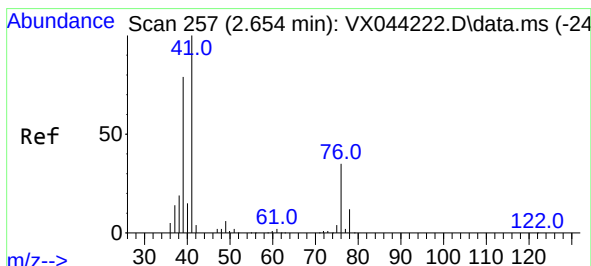
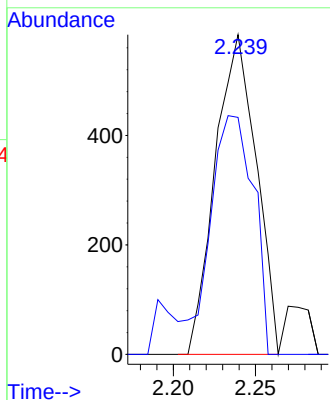
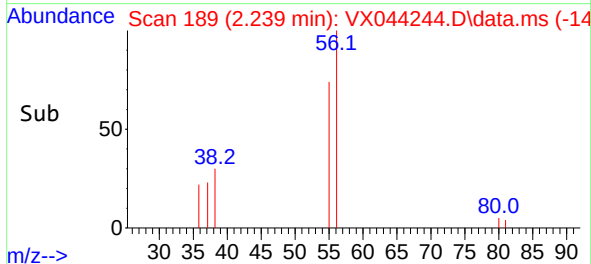
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



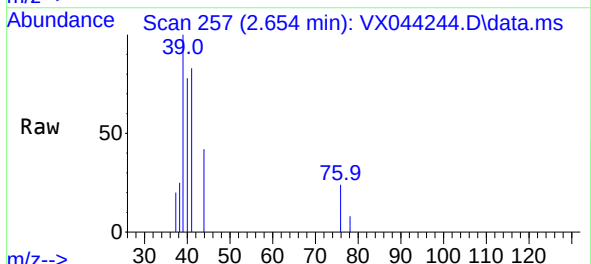
Tgt Ion: 56 Resp: 1014
Ion Ratio Lower Upper
56 100
55 79.3 56.6 84.8

Manual Integrations
APPROVED

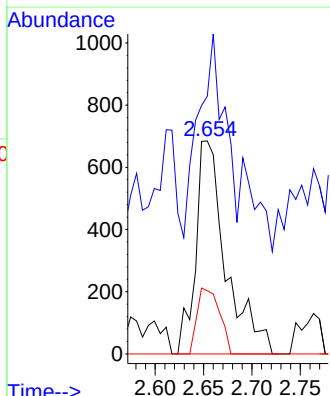
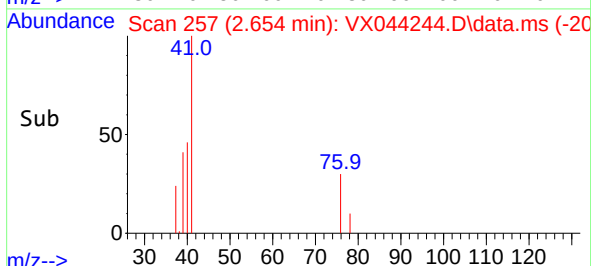
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

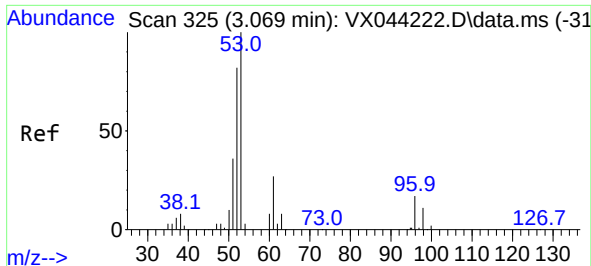


#14
Allyl chloride
Concen: 0.602 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



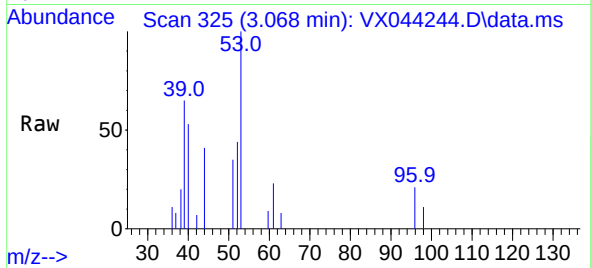
Tgt Ion: 41 Resp: 1495
Ion Ratio Lower Upper
41 100
39 80.6 61.9 92.9
76 22.8 27.4 41.2#





#15
Acrylonitrile
Concen: 2.271 ug/l
RT: 3.068 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

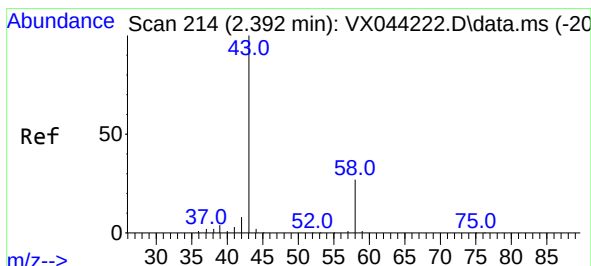
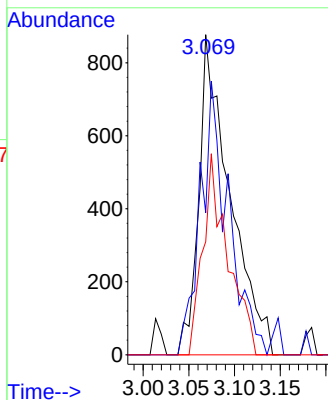
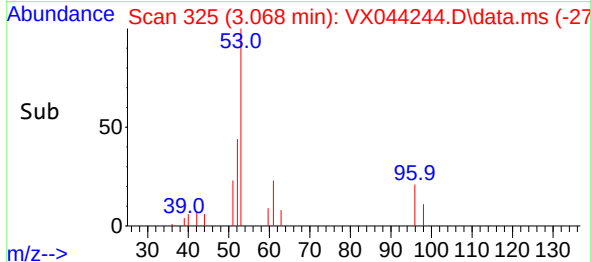
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



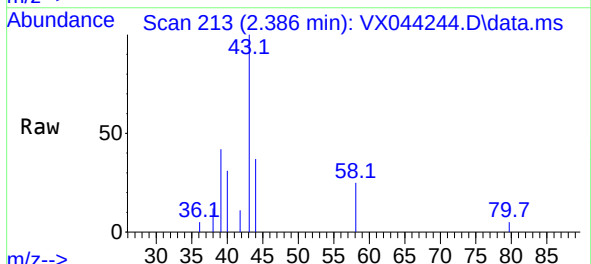
Tgt Ion: 53 Resp: 206
Ion Ratio Lower Upper
53 100
52 77.2 67.4 101.0
51 50.4 30.3 45.5

Manual Integrations
APPROVED

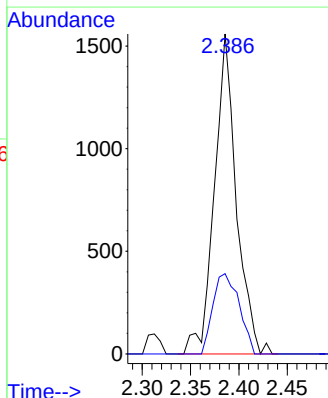
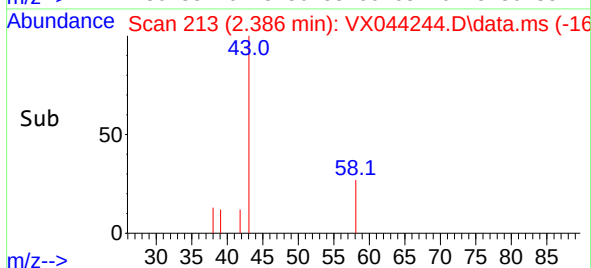
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

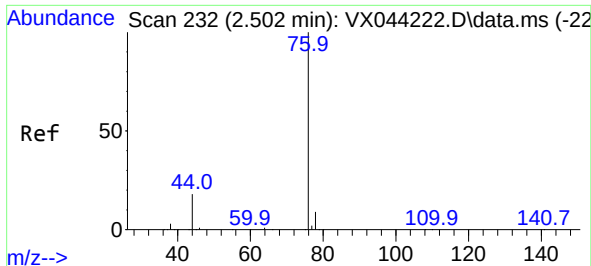


#16
Acetone
Concen: 2.582 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



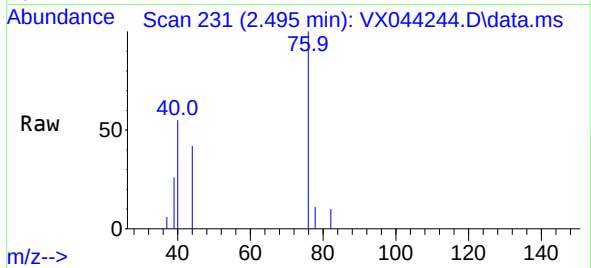
Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
58 25.1 21.6 32.4





#17
Carbon Disulfide
Concen: 0.509 ug/l
RT: 2.495 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

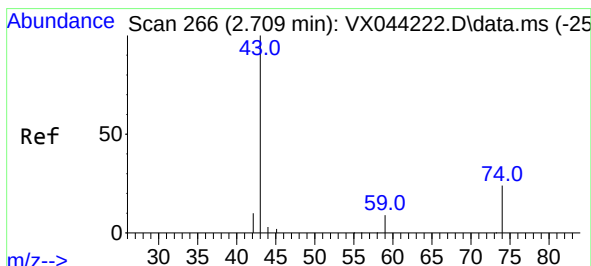
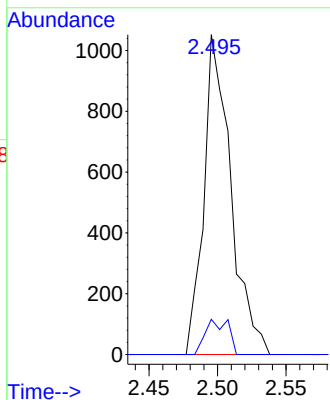
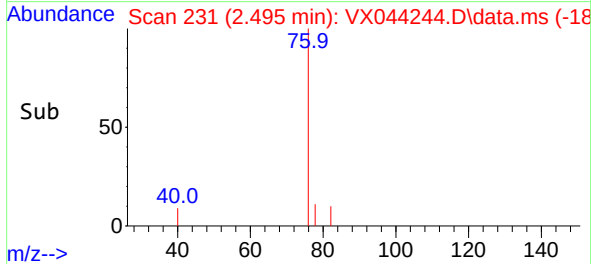
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 76 Resp: 144
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0

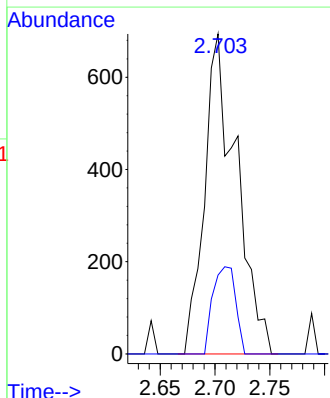
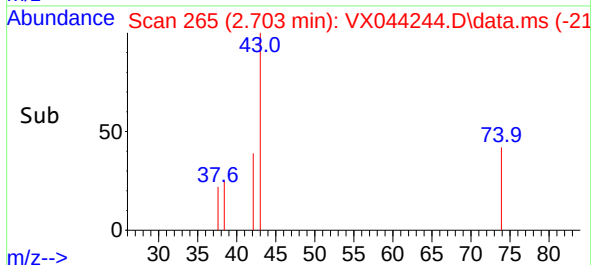
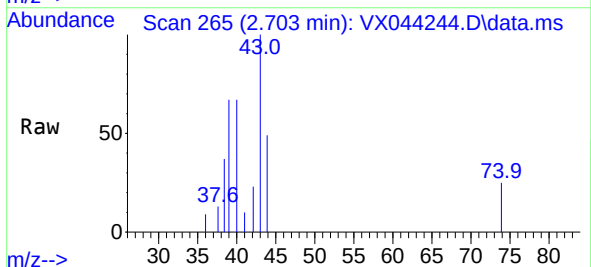
Manual Integrations
APPROVED

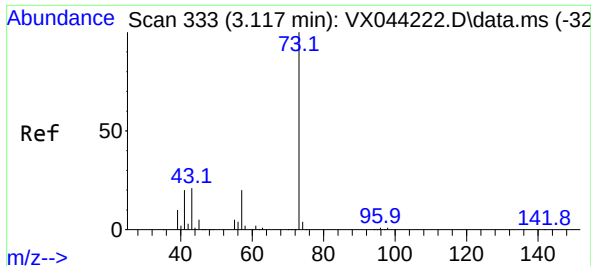
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#18
Methyl Acetate
Concen: 0.571 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

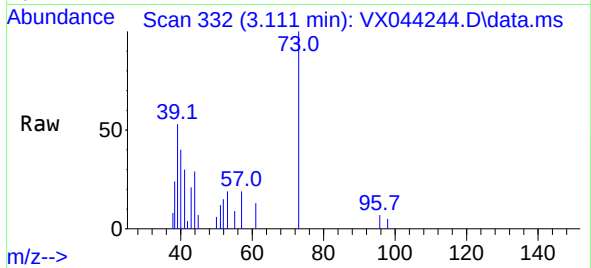
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
74 19.4 17.7 26.5





#19
Methyl tert-butyl Ether
Concen: 0.449 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

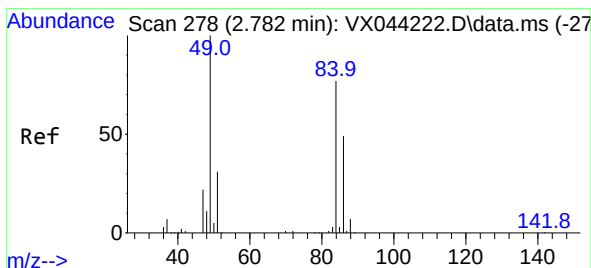
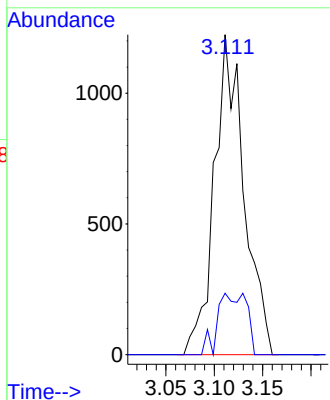
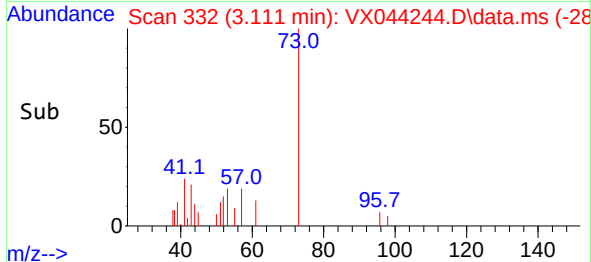
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 73 Resp: 261
Ion Ratio Lower Upper
73 100
57 19.2 16.2 24.4

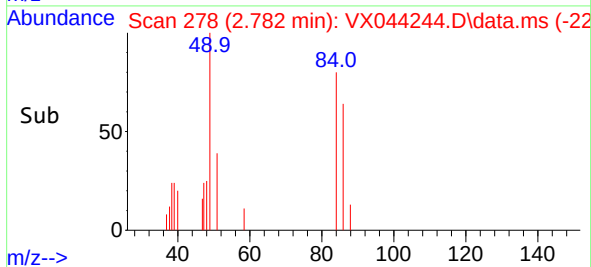
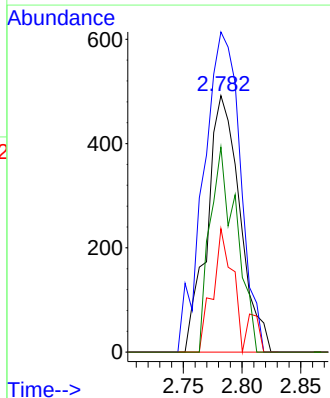
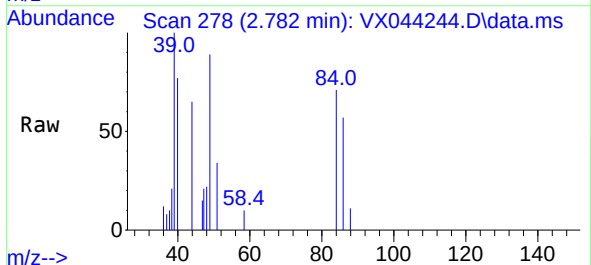
Manual Integrations
APPROVED

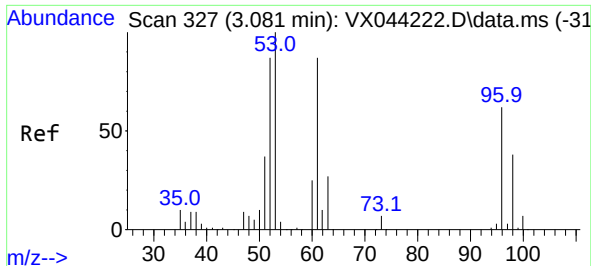
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

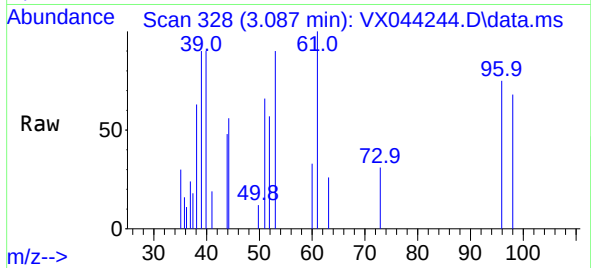
Tgt Ion: 84 Resp: 955
Ion Ratio Lower Upper
84 100
49 124.8 104.2 156.4
51 48.2 32.2 48.4
86 79.9 50.9 76.3#





#21
trans-1,2-Dichloroethene
Concen: 0.516 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

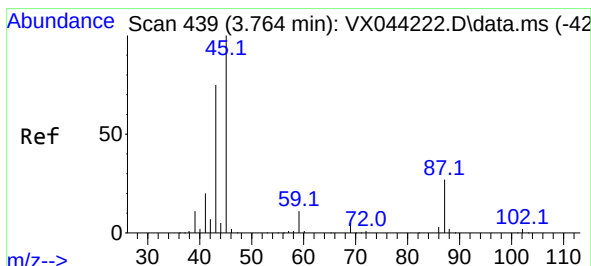
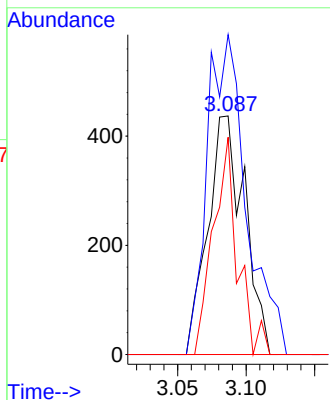
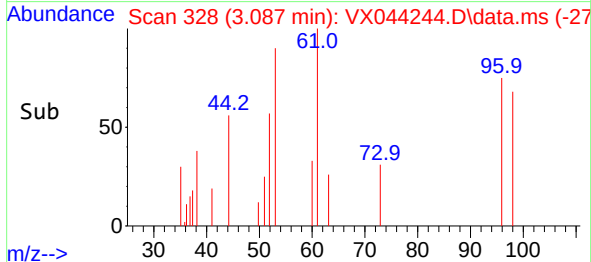
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 96 Resp: 81
Ion Ratio Lower Upper
96 100
61 134.1 112.0 168.0
98 91.1 48.8 73.2

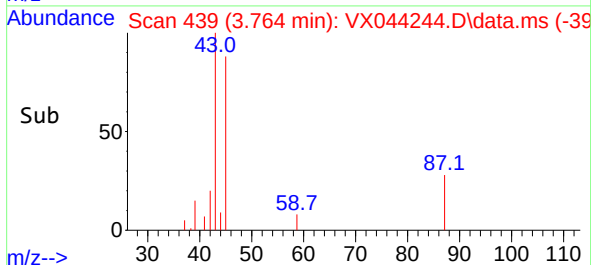
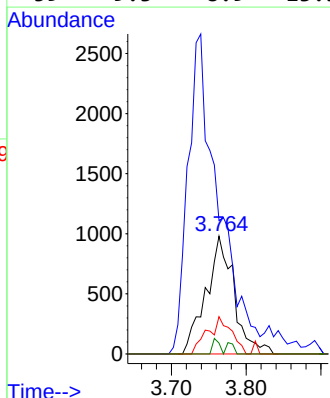
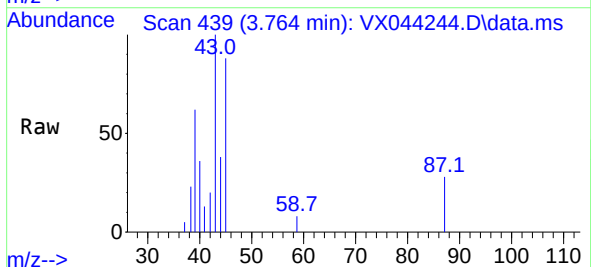
Manual Integrations
APPROVED

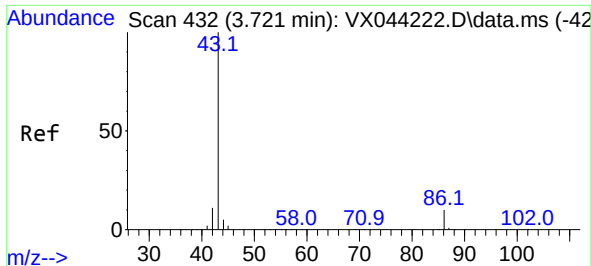
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#22
Diisopropyl ether
Concen: 0.458 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

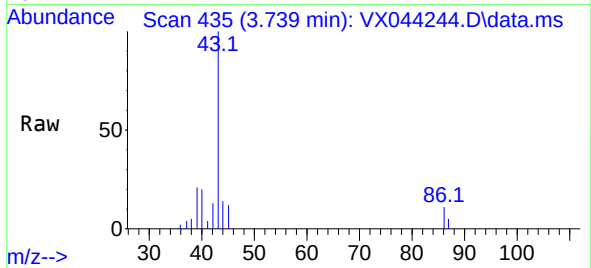
Tgt Ion: 45 Resp: 2558
Ion Ratio Lower Upper
45 100
43 93.5 60.2 90.2#
87 31.6 21.2 31.8
59 9.3 8.9 13.3





#23
Vinyl Acetate
Concen: 1.781 ug/l m
RT: 3.739 min Scan# 41
Delta R.T. 0.018 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

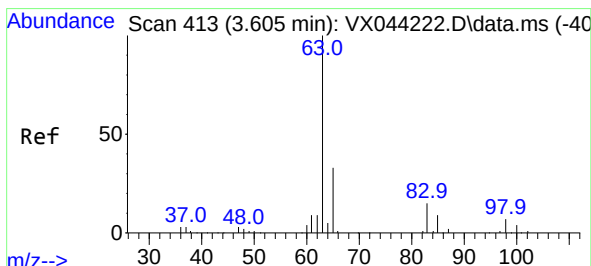
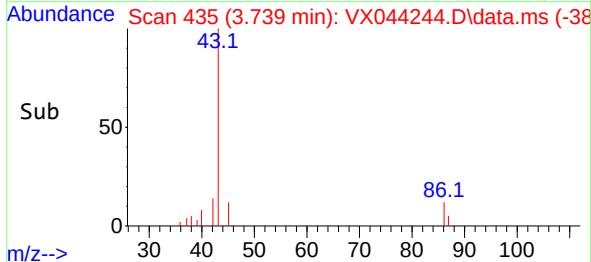
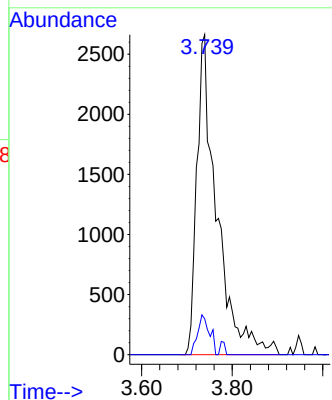
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
86 11.2 8.2 12.2

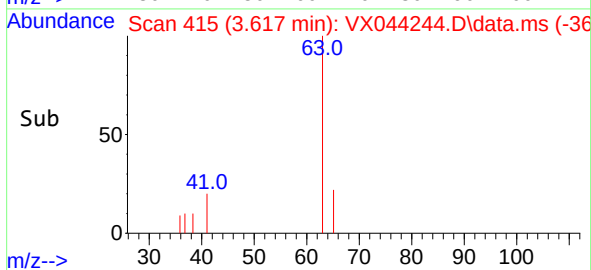
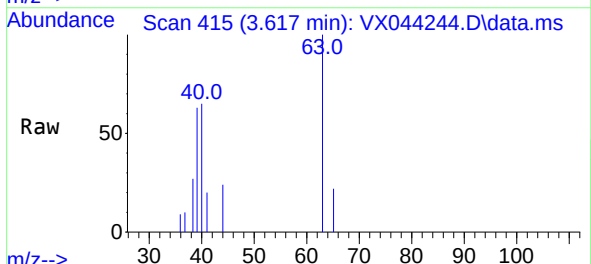
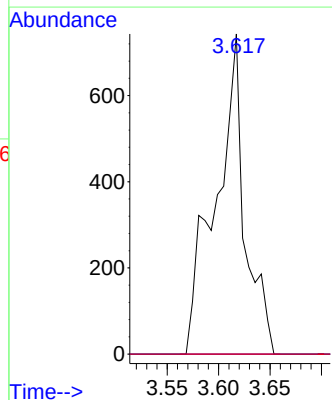
Manual Integrations
APPROVED

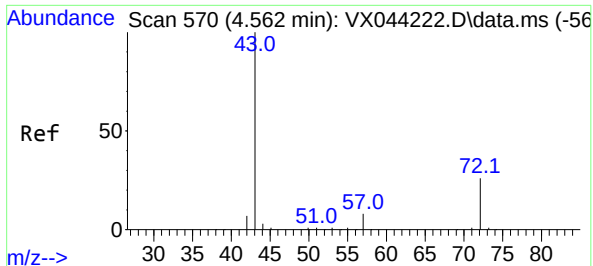
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#24
1,1-Dichloroethane
Concen: 0.471 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

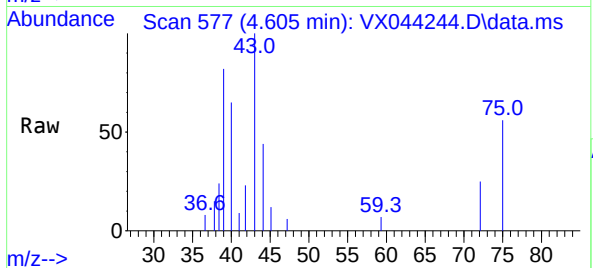
Tgt Ion: 63 Resp: 1466
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#





#25
2-Butanone
Concen: 2.298 ug/l m
RT: 4.605 min Scan# 510
Delta R.T. 0.043 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

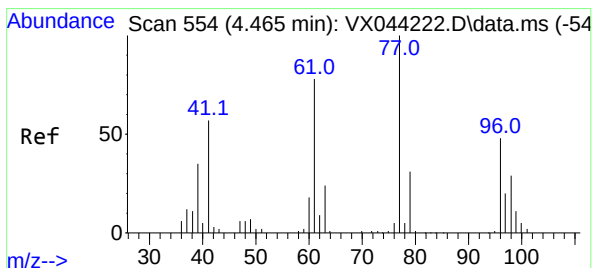
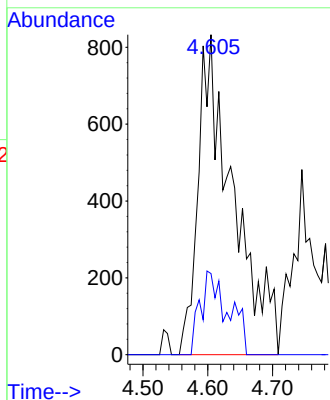
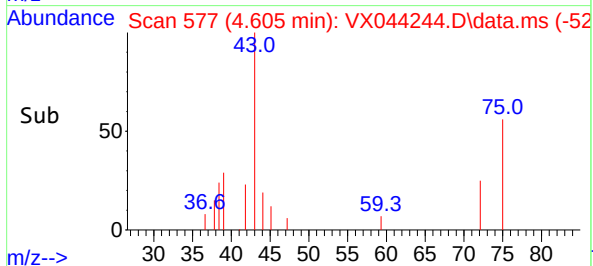
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
72 25.3 20.2 30.4

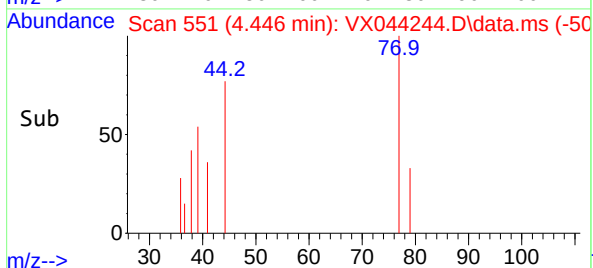
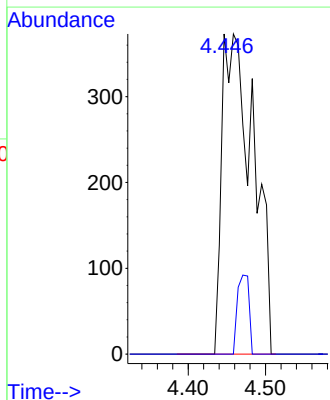
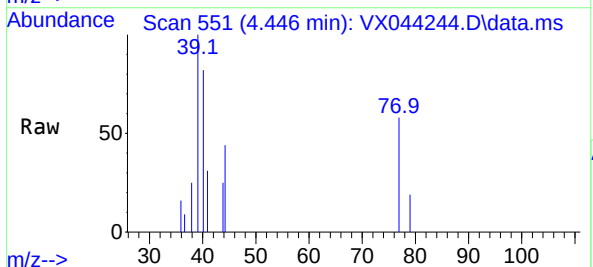
Manual Integrations
APPROVED

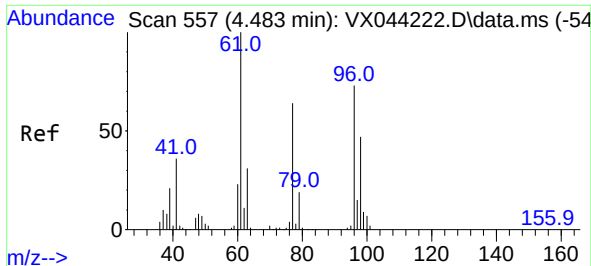
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#26
2,2-Dichloropropane
Concen: 0.415 ug/l m
RT: 4.446 min Scan# 551
Delta R.T. -0.018 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

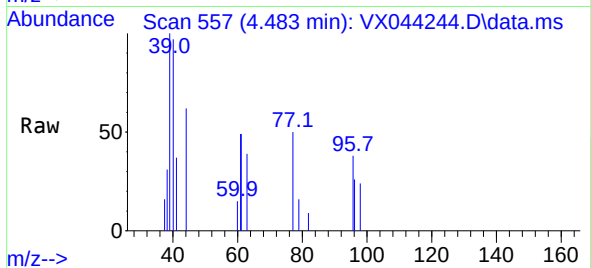
Tgt Ion: 77 Resp: 1050
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#





#27
cis-1,2-Dichloroethene
Concen: 0.397 ug/l
RT: 4.483 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

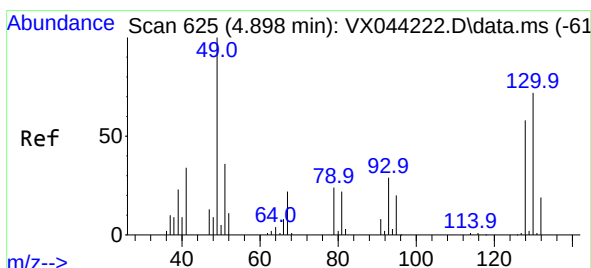
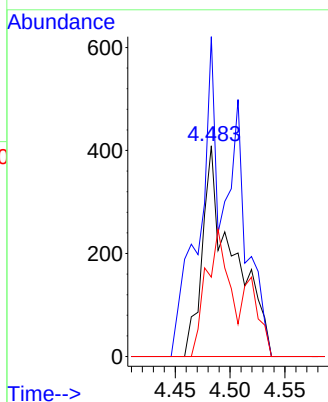
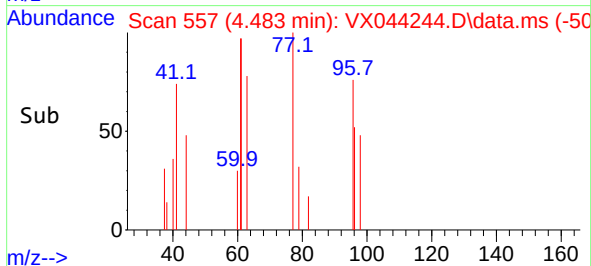
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



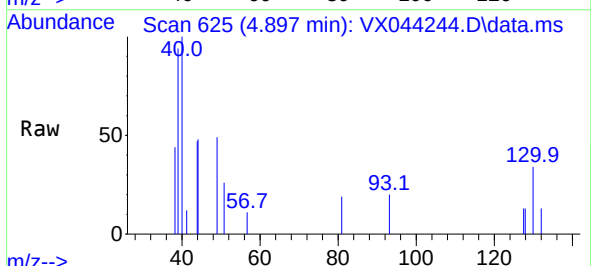
Tgt Ion: 96 Resp: 799
Ion Ratio Lower Upper
96 100
61 98.7 0.0 299.0
98 45.4 0.0 129.0

Manual Integrations
APPROVED

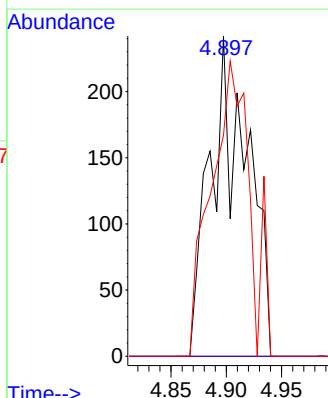
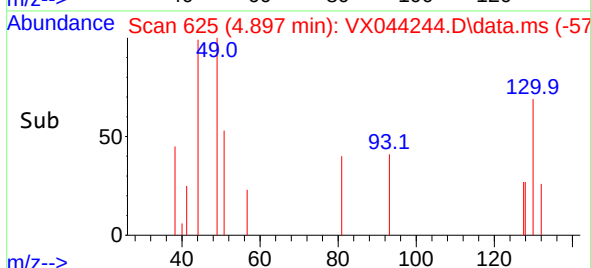
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

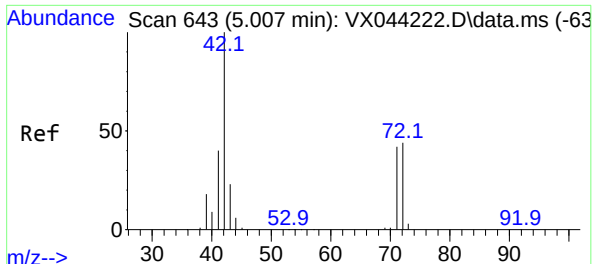


#28
Bromochloromethane
Concen: 0.370 ug/l m
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



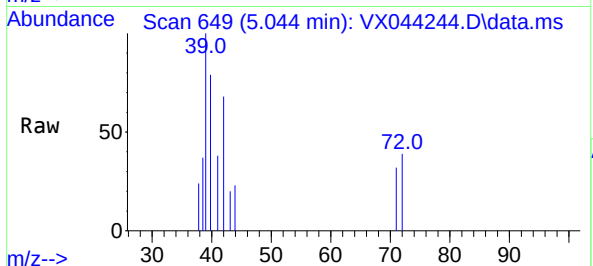
Tgt Ion: 49 Resp: 566
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 87.6 62.1 93.1





#29
Tetrahydrofuran
Concen: 2.324 ug/l m
RT: 5.044 min Scan# 643
Delta R.T. 0.036 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

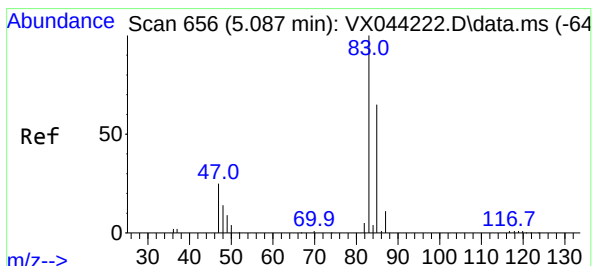
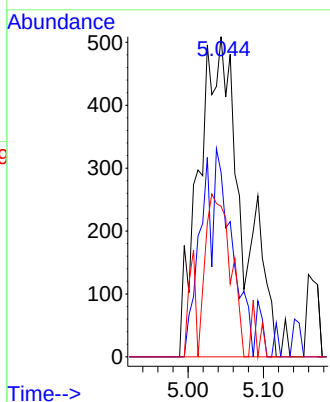
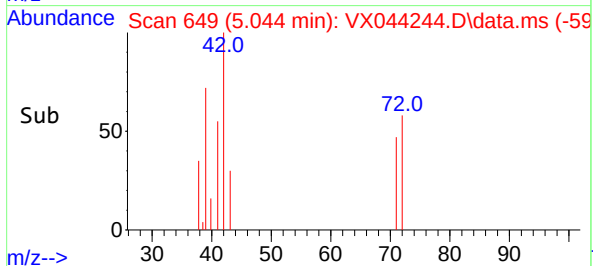
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 42 Resp: 2015
Ion Ratio Lower Upper
42 100
72 26.6 37.0 55.6
71 29.6 33.6 50.4

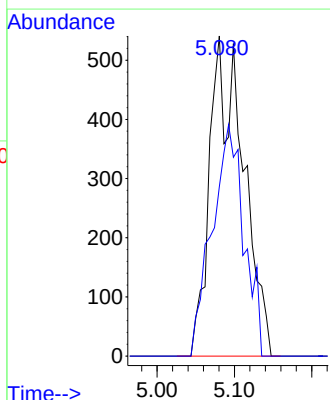
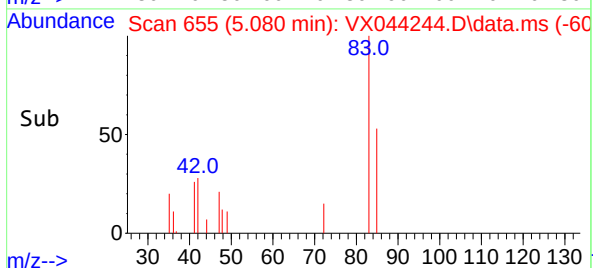
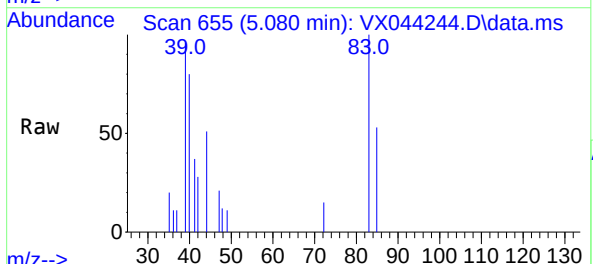
Manual Integrations
APPROVED

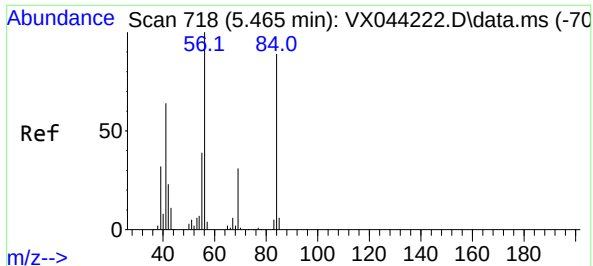
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#30
Chloroform
Concen: 0.462 ug/l m
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

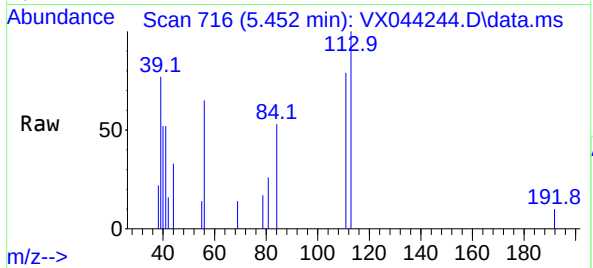
Tgt Ion: 83 Resp: 1618
Ion Ratio Lower Upper
83 100
85 52.9 51.6 77.4





#31
Cyclohexane
Concen: 0.513 ug/l m
RT: 5.452 min Scan# 716
Delta R.T. -0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

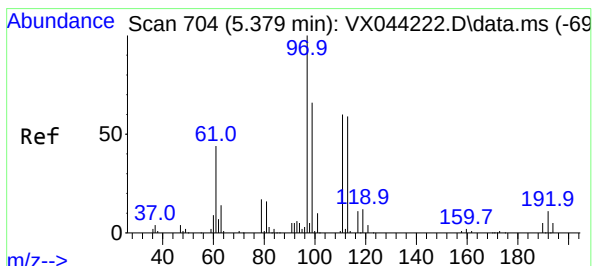
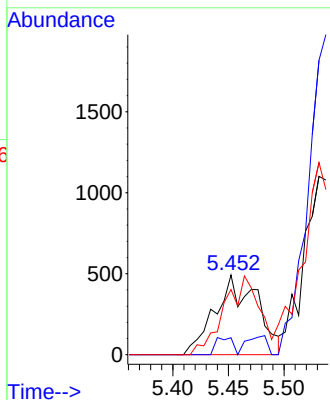
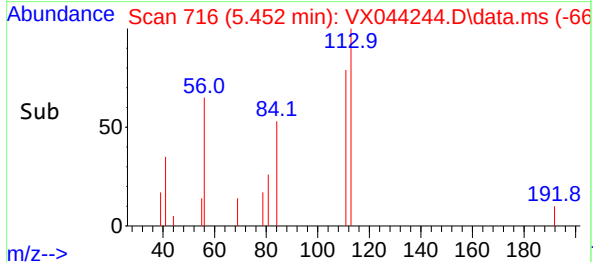
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



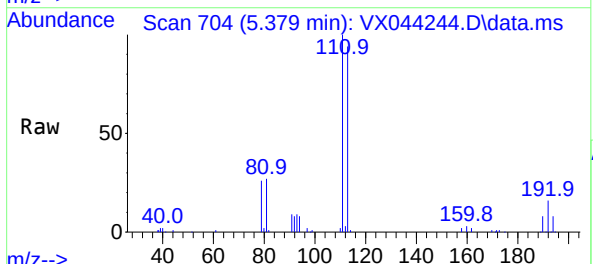
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
69 21.3 24.7 37.1
84 81.7 71.0 106.6

Manual Integrations
APPROVED

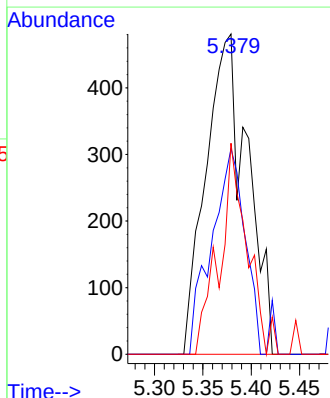
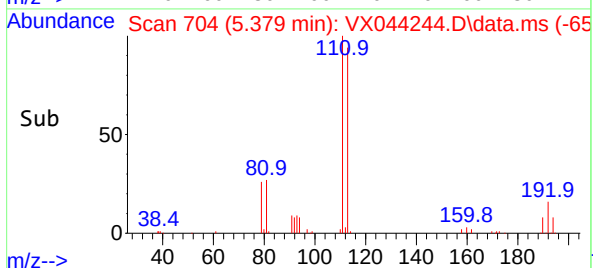
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

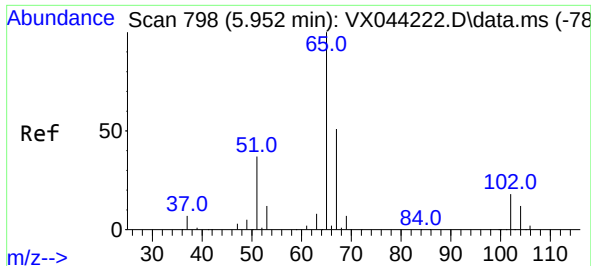


#32
1,1,1-Trichloroethane
Concen: 0.495 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



Tgt Ion: 97 Resp: 1439
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2
61 44.1 35.2 52.8





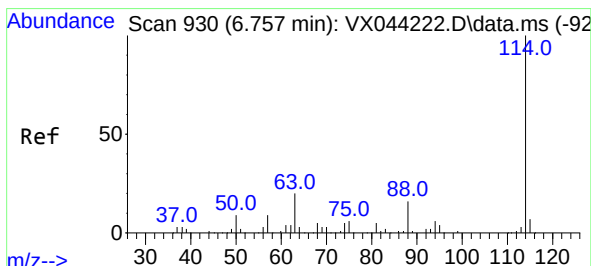
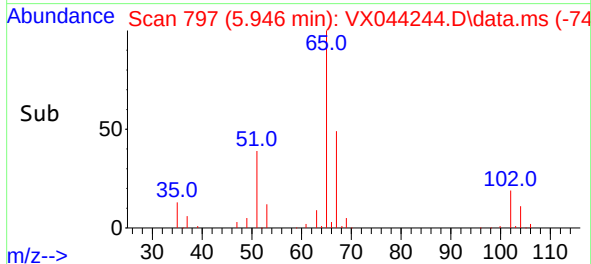
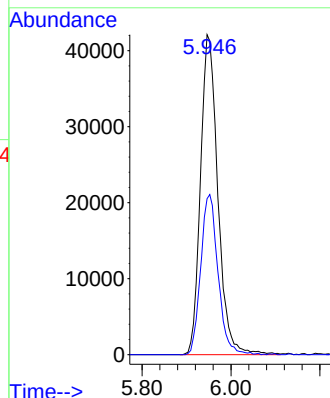
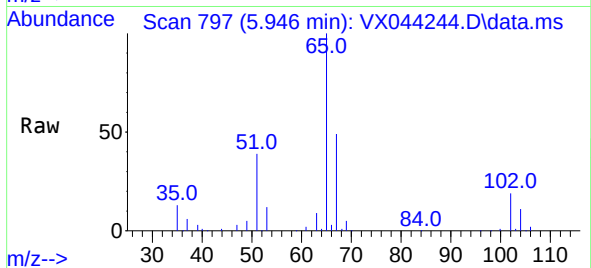
#33
1,2-Dichloroethane-d4
Concen: 49.132 ug/l
RT: 5.946 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 65 Resp: 11452
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6

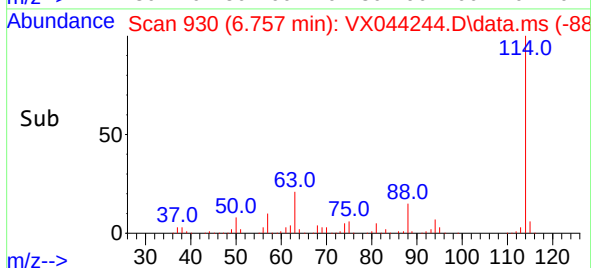
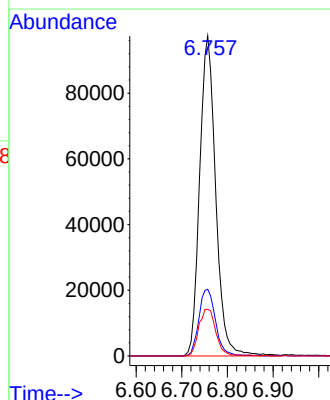
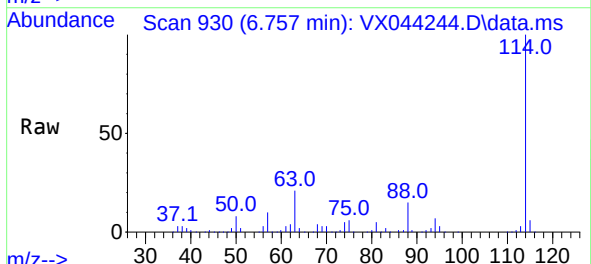
Manual Integrations
APPROVED

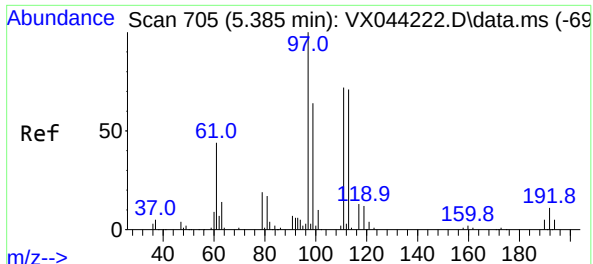
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

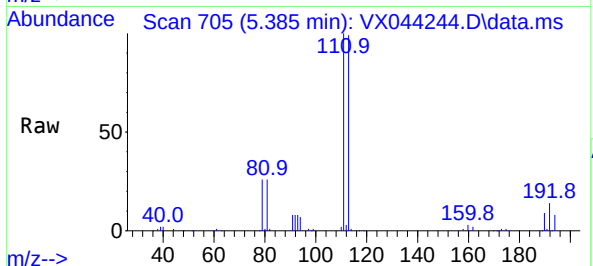
Tgt Ion:114 Resp: 237245
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.6
88 14.6 0.0 31.8





#35
Dibromofluoromethane
Concen: 47.919 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

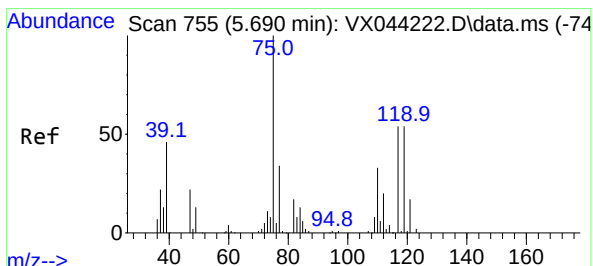
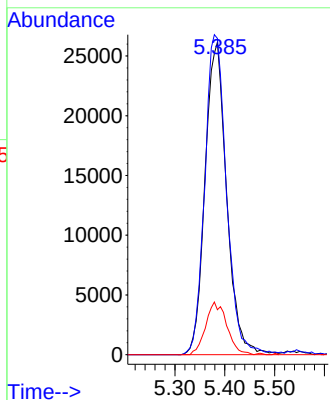
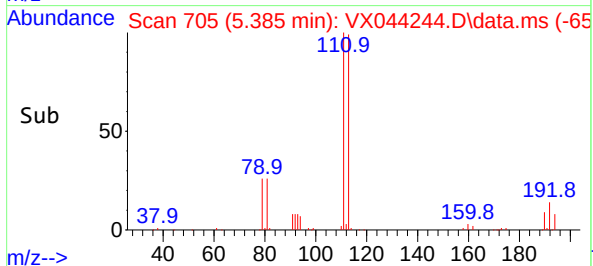
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



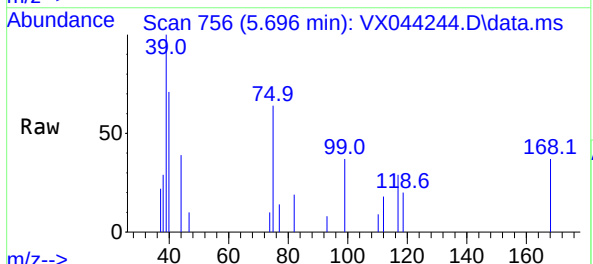
Tgt Ion: 113 Resp: 7873
Ion Ratio Lower Upper
113 100
111 103.3 80.4 120.6
192 16.5 13.3 19.9

Manual Integrations
APPROVED

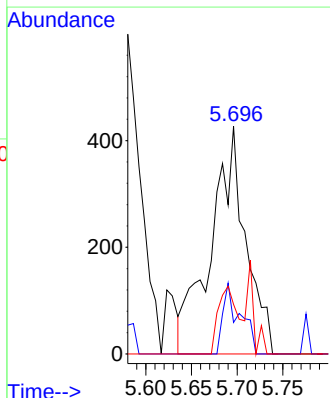
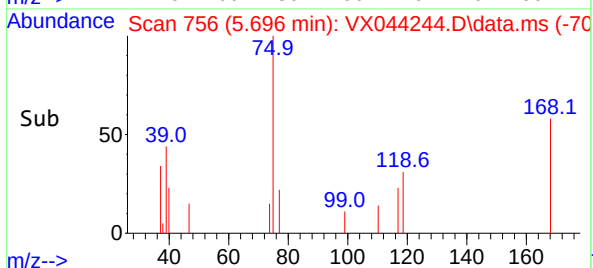
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

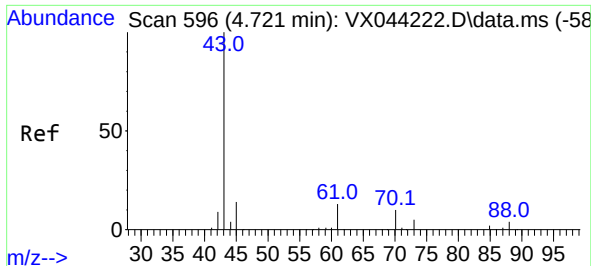


#36
1,1-Dichloropropene
Concen: 0.533 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



Tgt Ion: 75 Resp: 1133
Ion Ratio Lower Upper
75 100
110 15.3 17.3 51.7#
77 17.2 25.4 38.0#





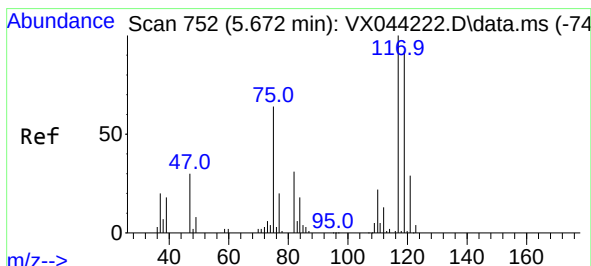
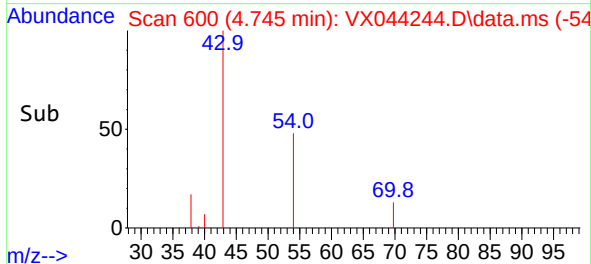
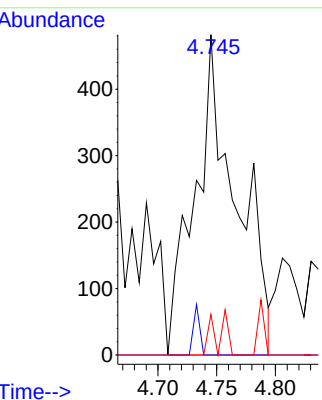
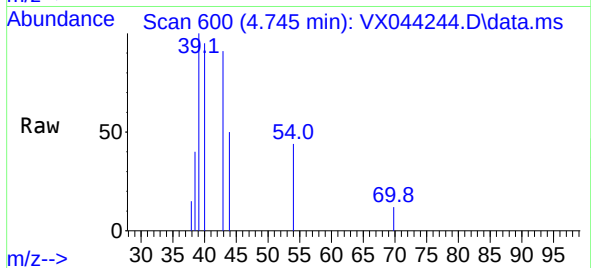
#37
Ethyl Acetate
Concen: 0.450 ug/l
RT: 4.745 min Scan# 60
Delta R.T. 0.024 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
61 2.4 9.8 14.8
70 0.0 7.7 11.5

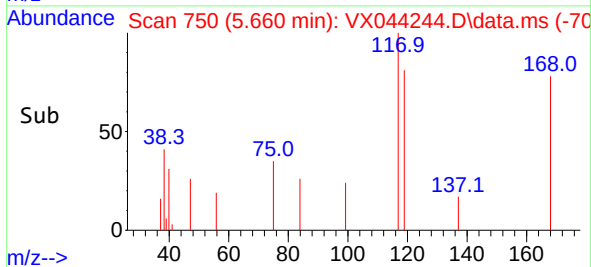
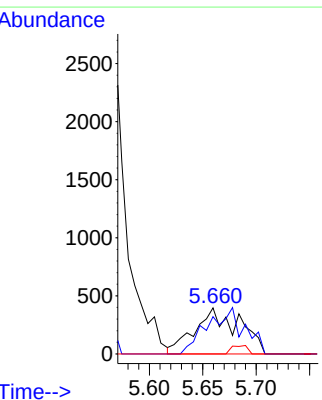
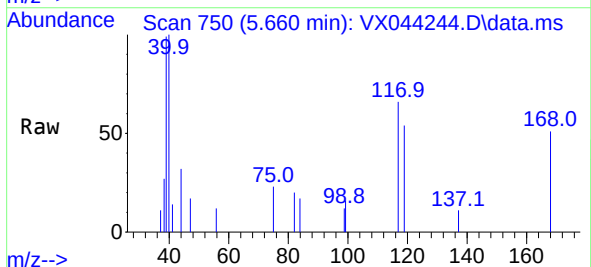
Manual Integrations
APPROVED

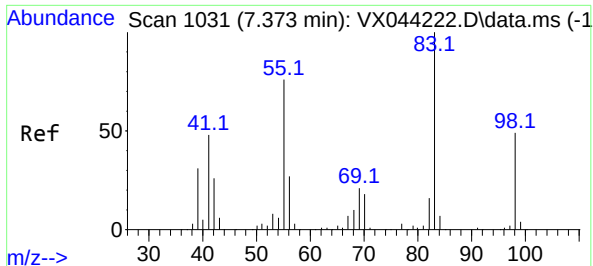
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#38
Carbon Tetrachloride
Concen: 0.500 ug/l m
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion:117 Resp: 1143
Ion Ratio Lower Upper
117 100
119 81.1 74.2 111.4
121 0.0 23.0 34.6





#39

Methylcyclohexane

Concen: 0.494 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 83 Resp: 1254

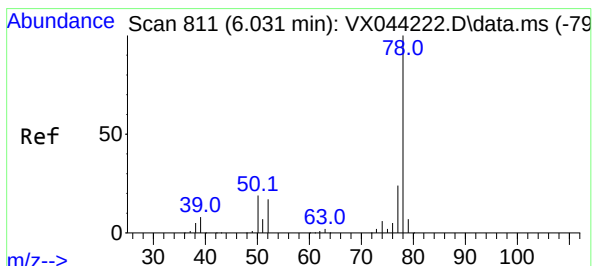
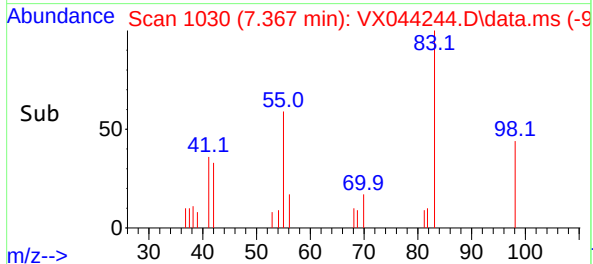
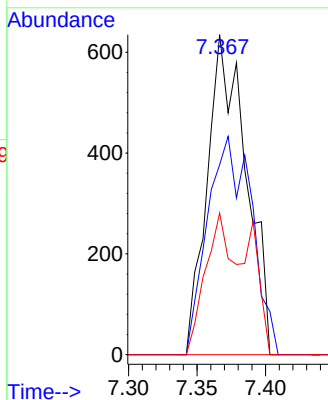
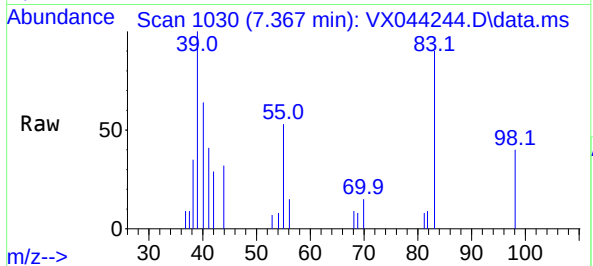
Ion	Ratio	Lower	Upper
83	100		
55	59.4	60.7	91.1
98	44.3	38.9	58.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2024

Supervised By :Mahesh Dadoda 12/13/2024



#40

Benzene

Concen: 0.496 ug/l

RT: 6.031 min Scan# 811

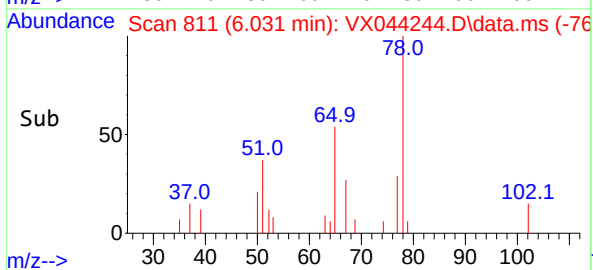
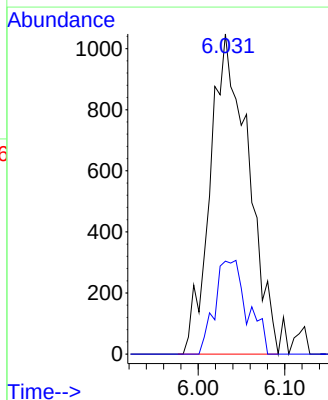
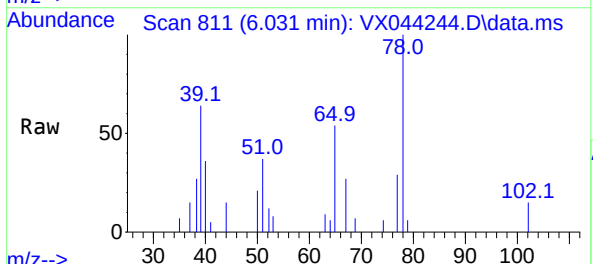
Delta R.T. -0.000 min

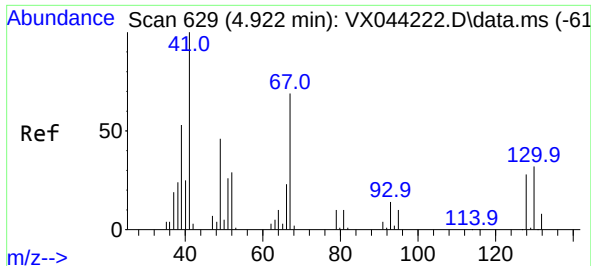
Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

Tgt Ion: 78 Resp: 3197

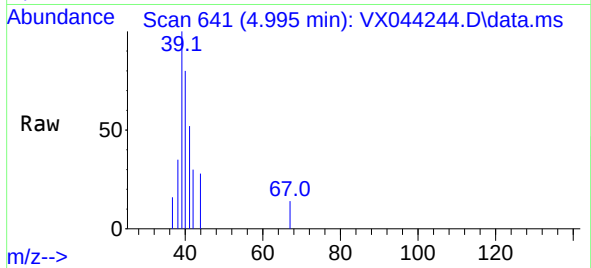
Ion	Ratio	Lower	Upper
78	100		
77	29.0	19.3	28.9





#41
Methacrylonitrile
Concen: 0.592 ug/l m
RT: 4.995 min Scan# 641
Delta R.T. 0.073 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

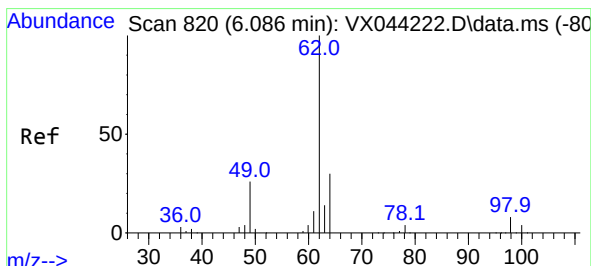
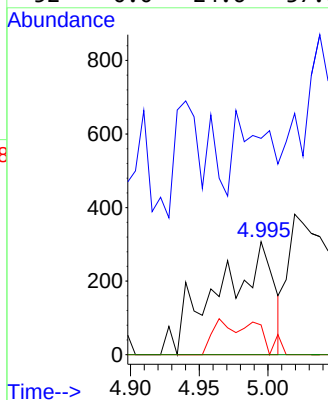
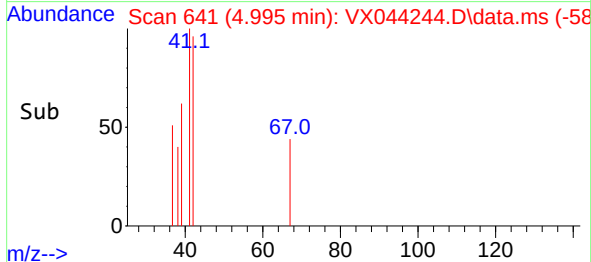
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 41 Resp: 829
Ion Ratio Lower Upper
41 100
39 62.7 44.2 66.4
67 0.0 57.2 85.8
52 0.0 24.6 37.0#

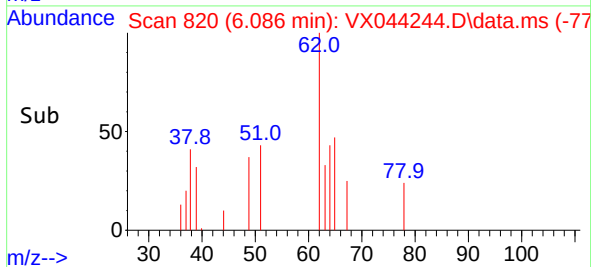
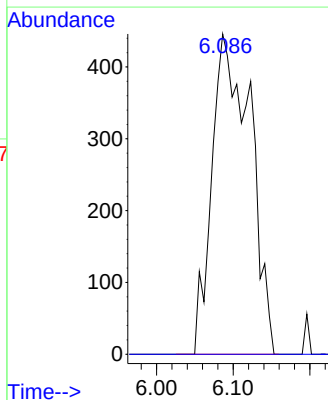
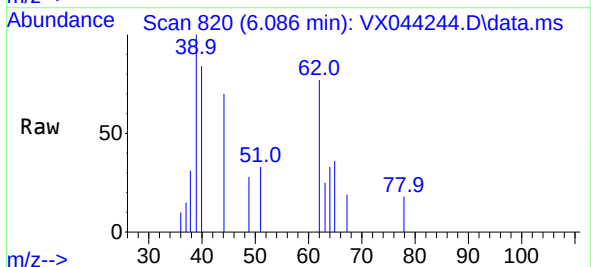
Manual Integrations
APPROVED

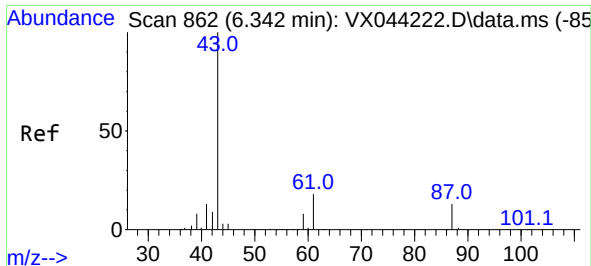
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#42
1,2-Dichloroethane
Concen: 0.586 ug/l m
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

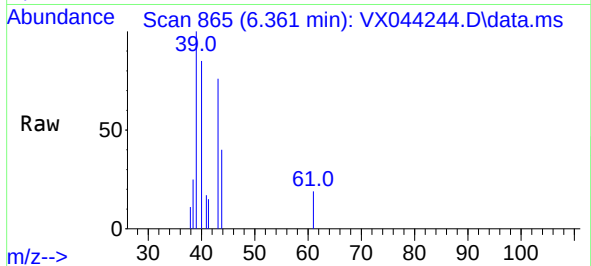
Tgt Ion: 62 Resp: 1557
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8





#43
Isopropyl Acetate
Concen: 0.454 ug/l m
RT: 6.361 min Scan# 865
Delta R.T. 0.018 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

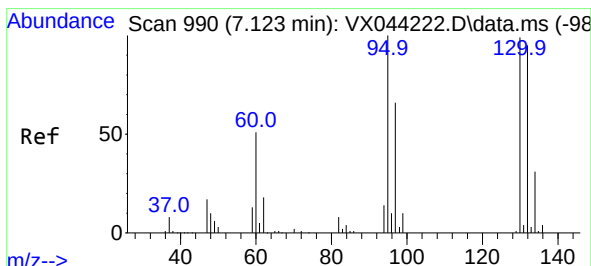
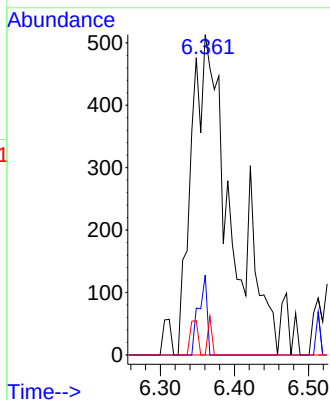
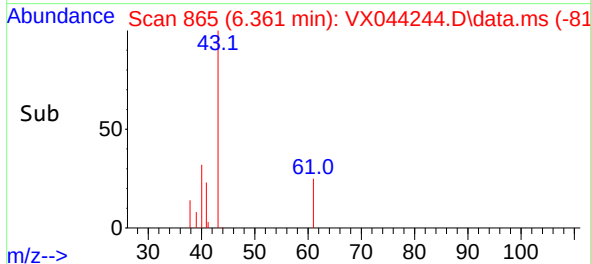
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



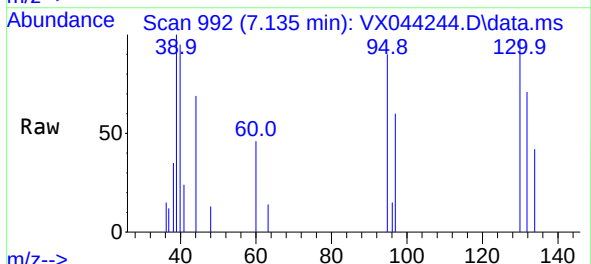
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
61 5.4 14.2 21.2
87 1.2 10.2 15.2

Manual Integrations
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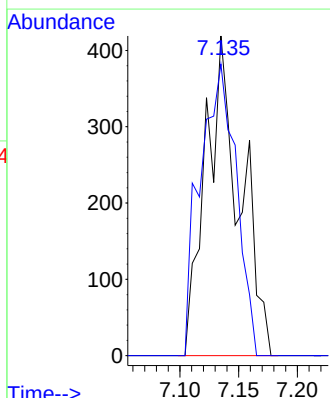
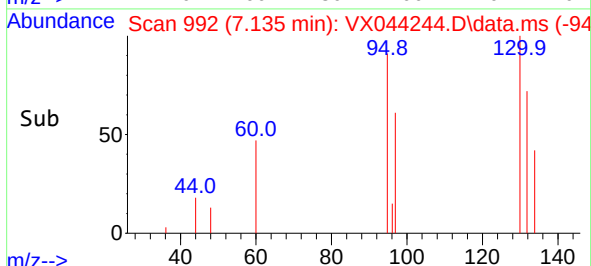
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

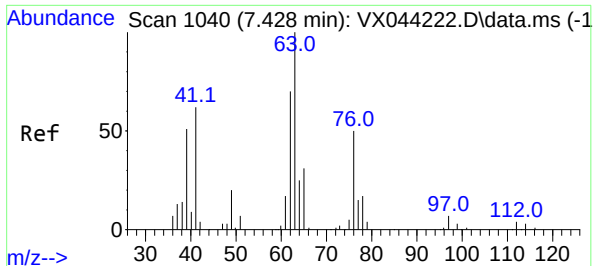


#44
Trichloroethene
Concen: 0.534 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



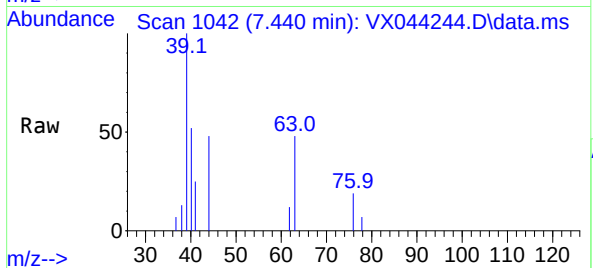
Tgt Ion:130 Resp: 858
Ion Ratio Lower Upper
130 100
95 91.2 0.0 201.4





#45
1,2-Dichloropropane
Concen: 0.419 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

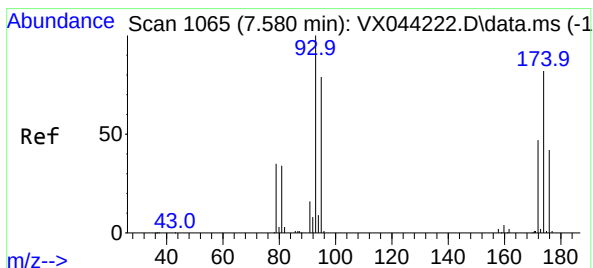
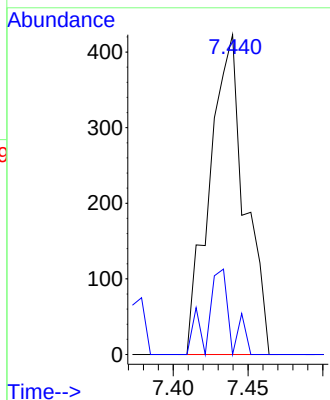
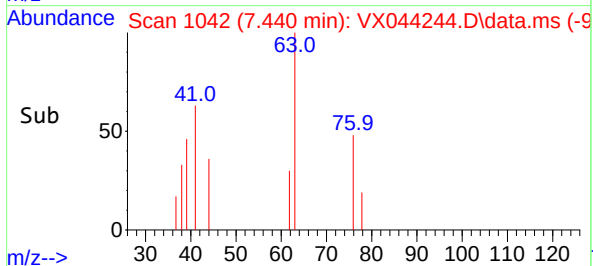
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0

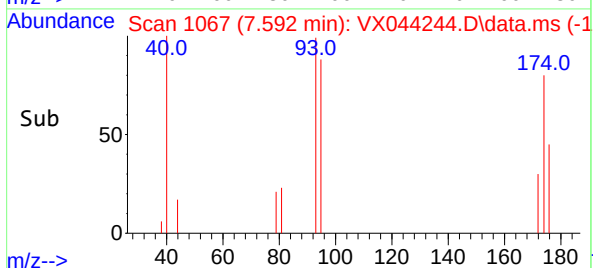
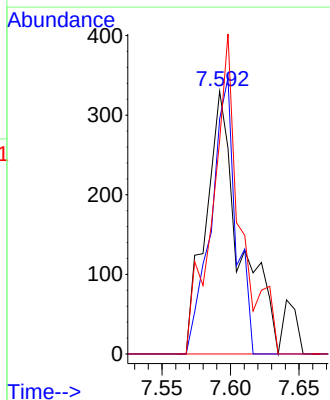
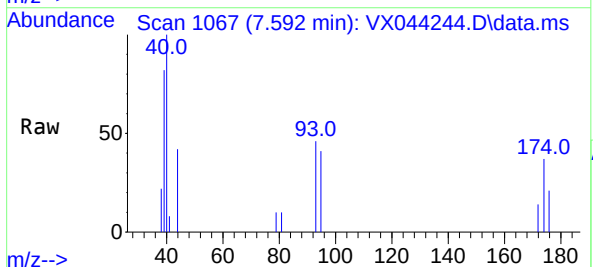
Manual Integrations
APPROVED

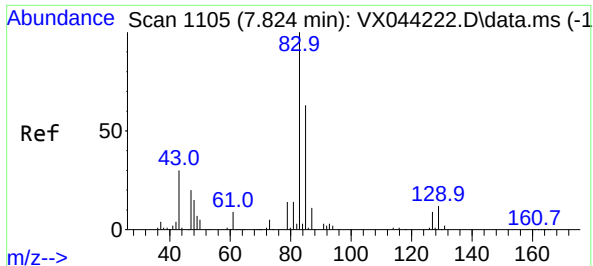
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#46
Dibromomethane
Concen: 0.454 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

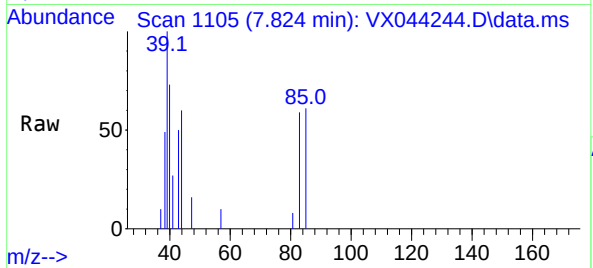
Tgt Ion: 93 Resp: 580
Ion Ratio Lower Upper
93 100
95 75.9 65.4 98.2
174 98.8 67.9 101.9





#47
Bromodichloromethane
Concen: 0.386 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

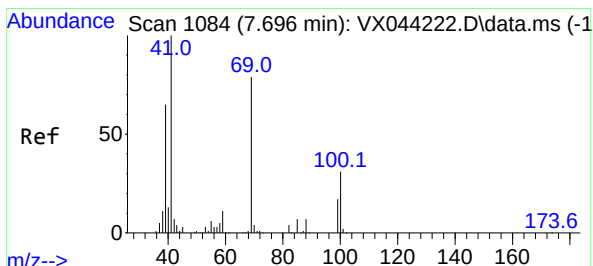
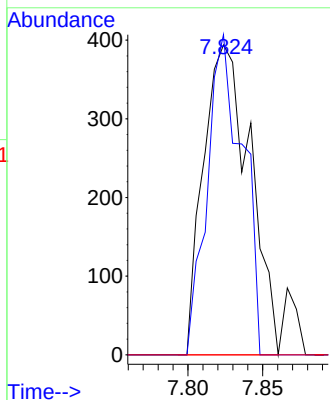
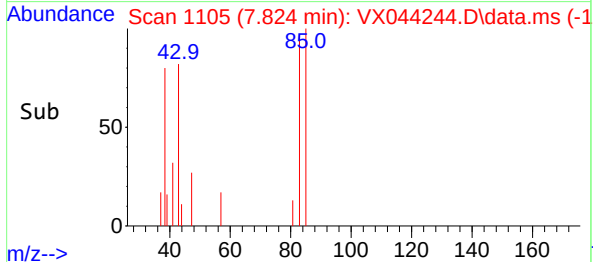
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



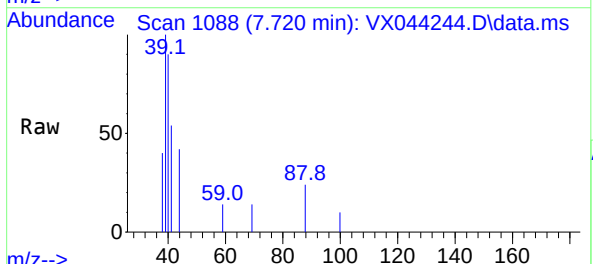
Tgt Ion: 83 Resp: 85
Ion Ratio Lower Upper
83 100
85 103.3 50.6 75.8
127 0.0 7.3 10.9

Manual Integrations
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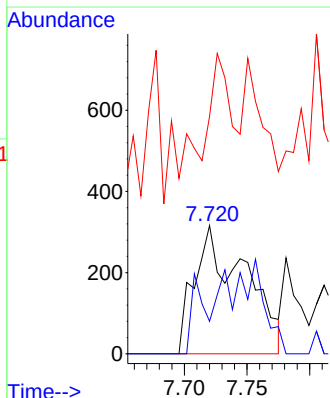
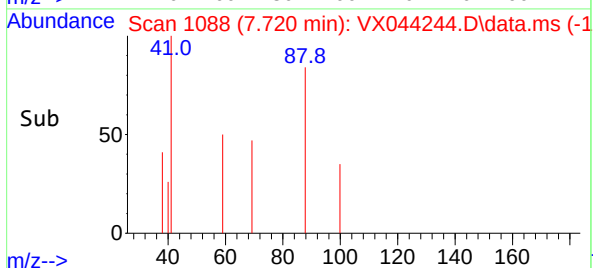
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

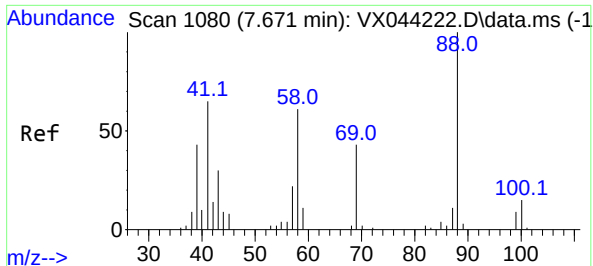


#48
Methyl methacrylate
Concen: 0.445 ug/l m
RT: 7.720 min Scan# 1088
Delta R.T. 0.024 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



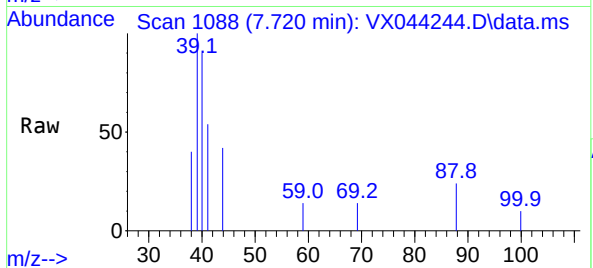
Tgt Ion: 41 Resp: 886
Ion Ratio Lower Upper
41 100
69 10.3 62.4 93.6#
39 38.0 53.3 79.9#





#49
1,4-Dioxane
Concen: 4.663 ug/l m
RT: 7.720 min Scan# 1088
Delta R.T. 0.049 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

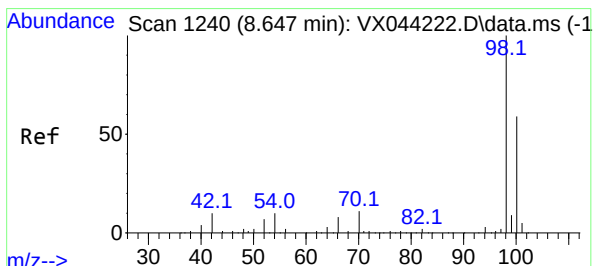
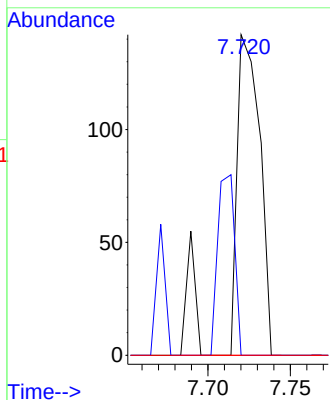
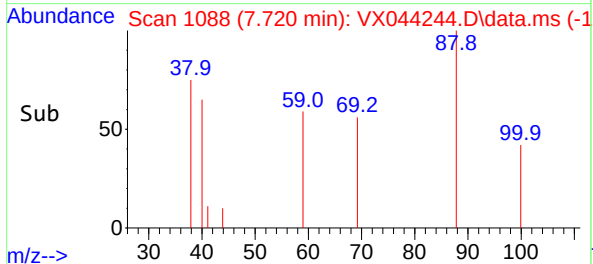
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7
58 0.0 41.0 61.4

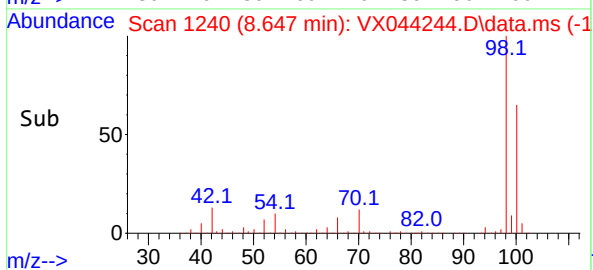
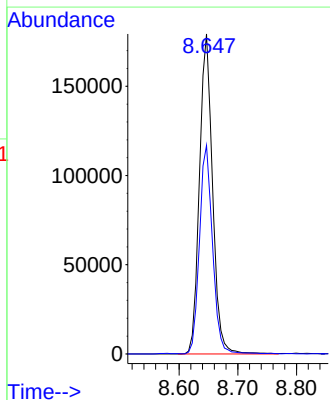
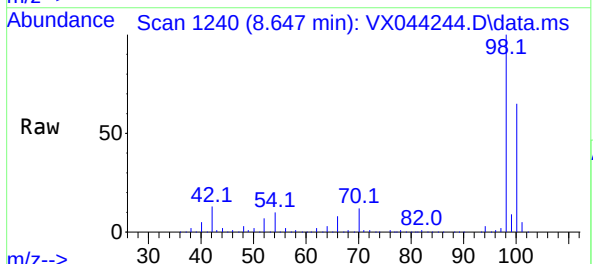
Manual Integrations
APPROVED

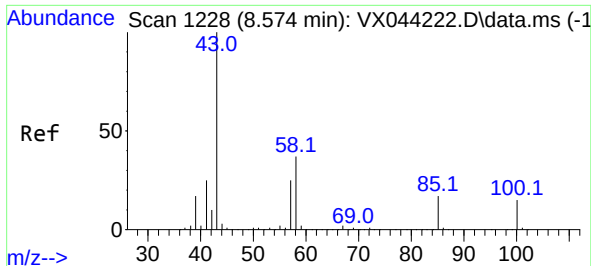
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#50
Toluene-d8
Concen: 50.179 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

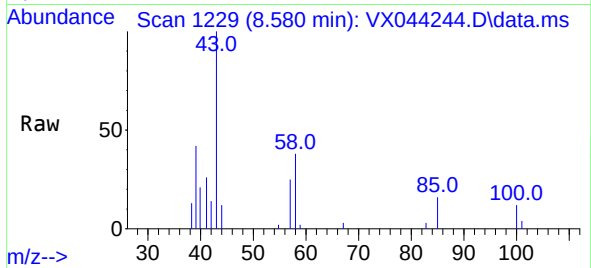
Tgt Ion: 98 Resp: 278165
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3





#51
4-Methyl-2-Pentanone
Concen: 1.826 ug/l
RT: 8.580 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

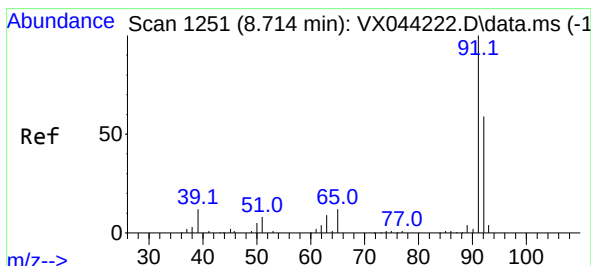
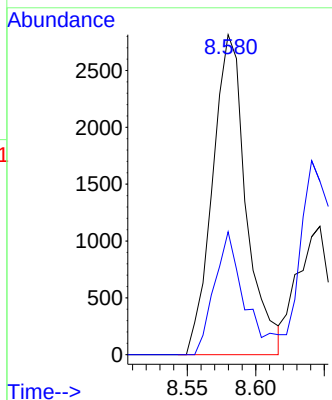
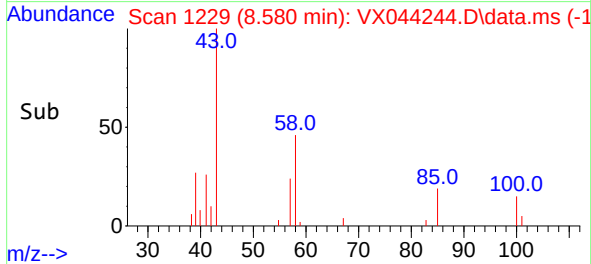
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 43 Resp: 4819
Ion Ratio Lower Upper
43 100
58 35.1 29.4 44.0

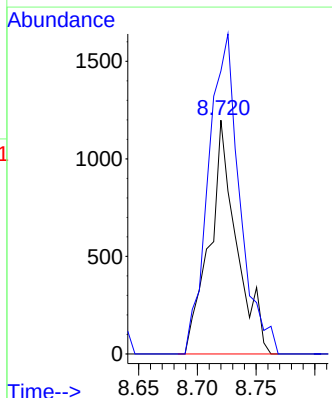
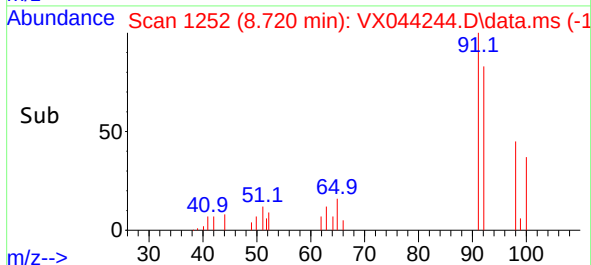
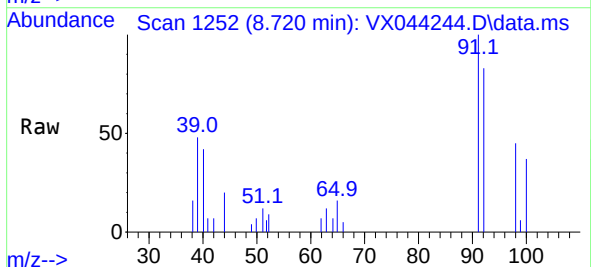
Manual Integrations
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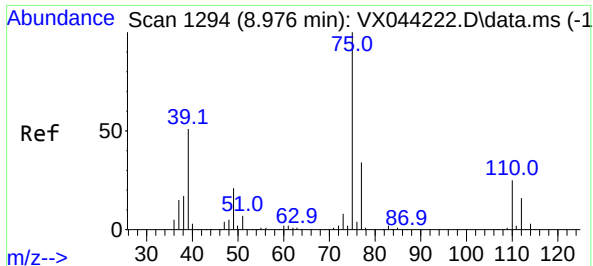
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#52
Toluene
Concen: 0.474 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion: 92 Resp: 1920
Ion Ratio Lower Upper
92 100
91 158.7 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 0.417 ug/l

RT: 8.988 min Scan# 1196

Delta R.T. 0.012 min

Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

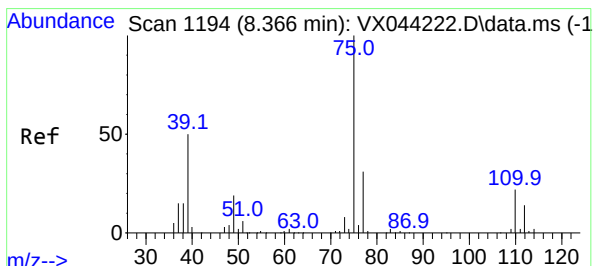
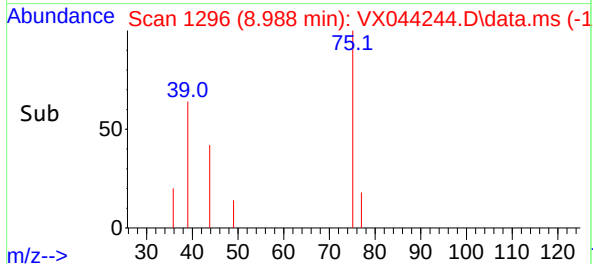
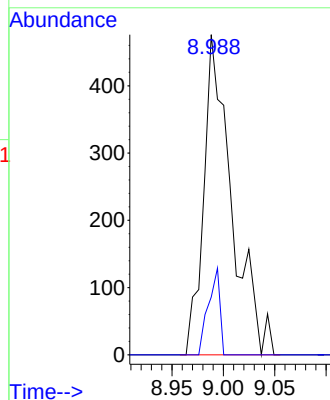
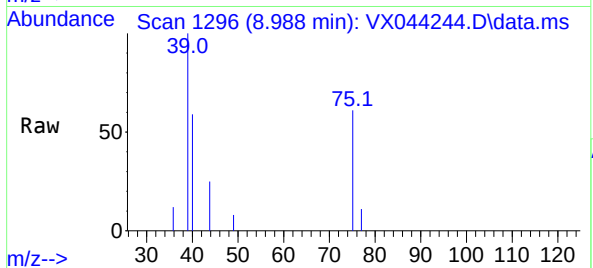
77 18.1 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2024

Supervised By :Mahesh Dadoda 12/13/2024



#54

cis-1,3-Dichloropropene

Concen: 0.481 ug/l

RT: 8.379 min Scan# 1196

Delta R.T. 0.012 min

Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

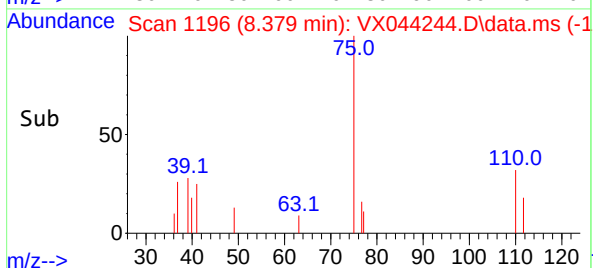
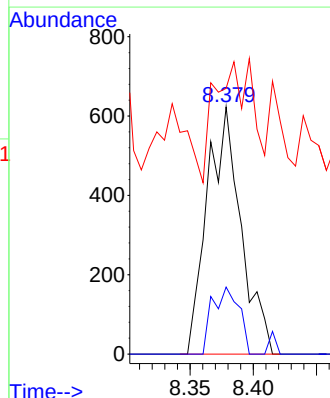
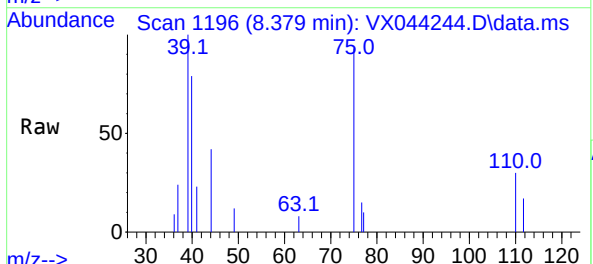
Tgt Ion: 75 Resp: 1157

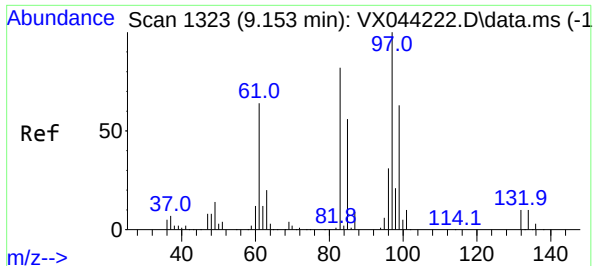
Ion Ratio Lower Upper

75 100

77 27.1 24.7 37.1

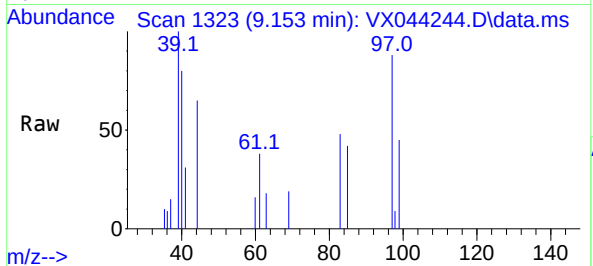
39 17.8 40.3 60.5





#55
1,1,2-Trichloroethane
Concen: 0.467 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024

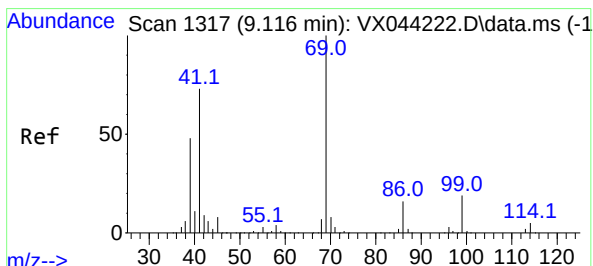
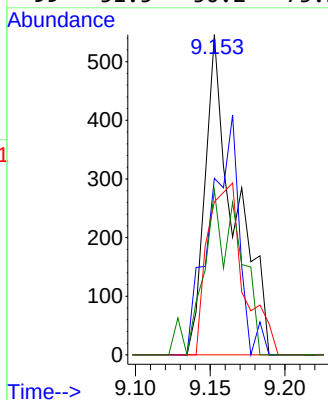
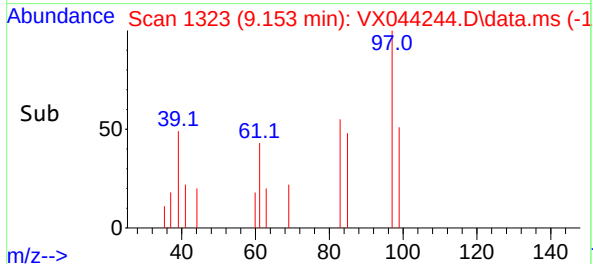


Tgt Ion: 97 Resp: 752

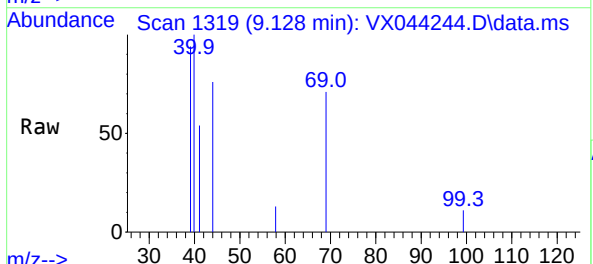
Ion	Ratio	Lower	Upper
97	100		
83	55.1	65.3	97.9
85	47.8	44.6	67.0
99	51.5	50.2	75.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

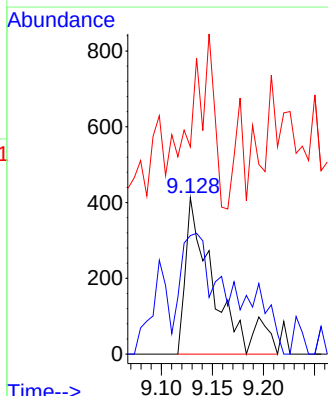
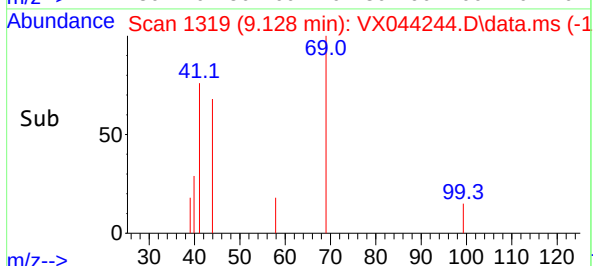


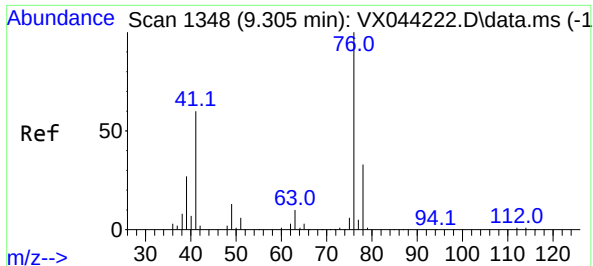
#56
Ethyl methacrylate
Concen: 0.319 ug/l m
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



Tgt Ion: 69 Resp: 809

Ion	Ratio	Lower	Upper
69	100		
41	79.6	56.6	85.0
39	76.0	37.4	56.0





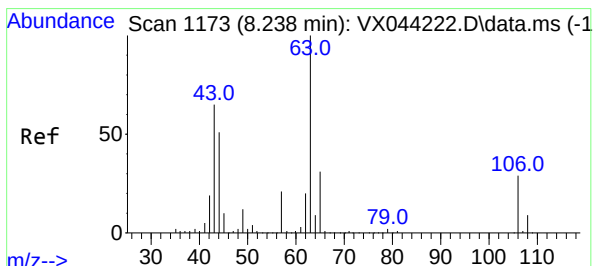
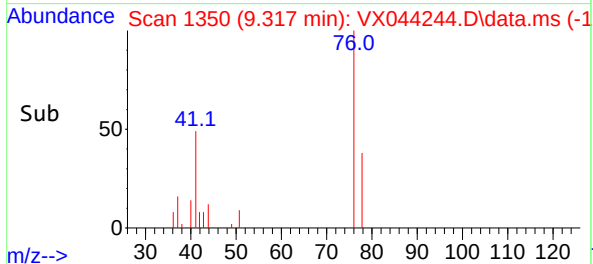
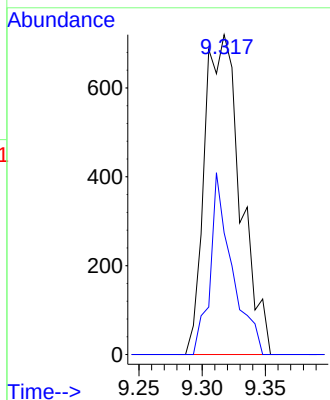
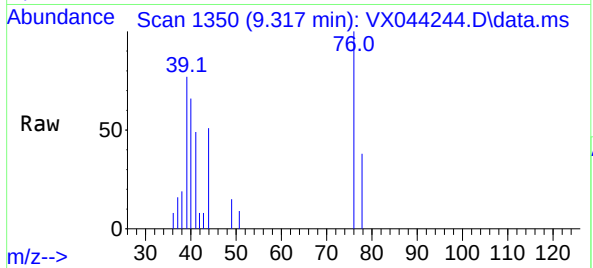
#57
1,3-Dichloropropane
Concen: 0.506 ug/l
RT: 9.317 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 76 Resp: 141
Ion Ratio Lower Upper
76 100
78 34.4 26.5 39.7

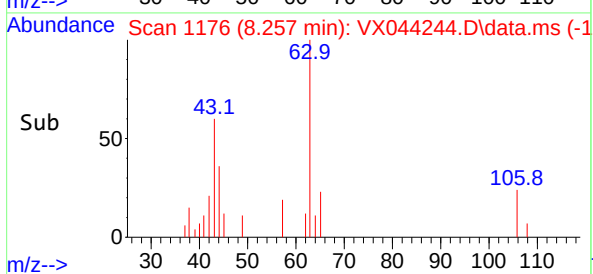
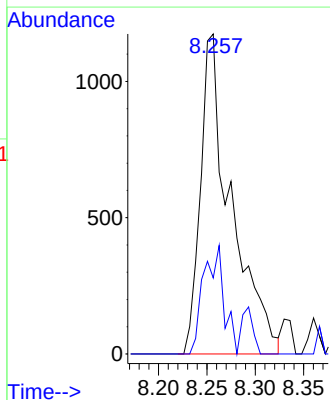
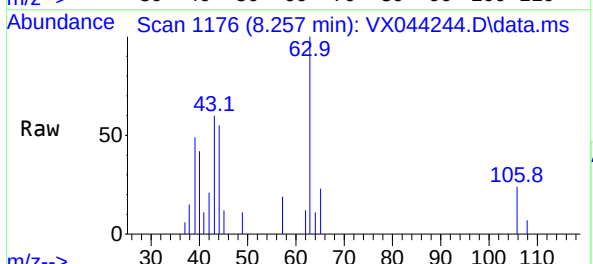
Manual Integrations
APPROVED

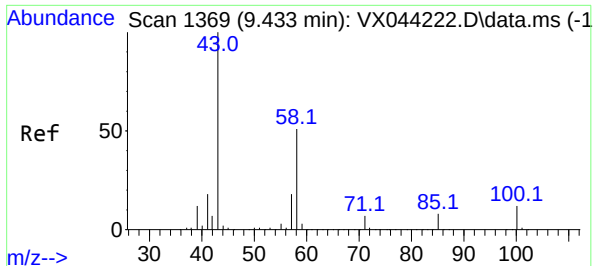
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#58
2-Chloroethyl Vinyl ether
Concen: 2.009 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.018 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion: 63 Resp: 2574
Ion Ratio Lower Upper
63 100
106 22.7 22.8 34.2#





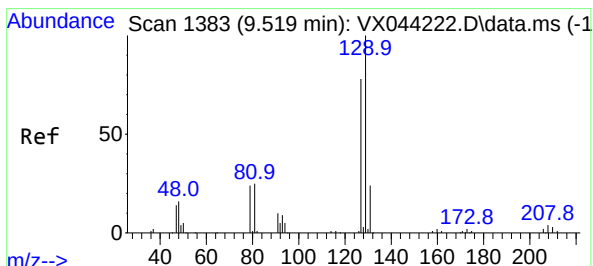
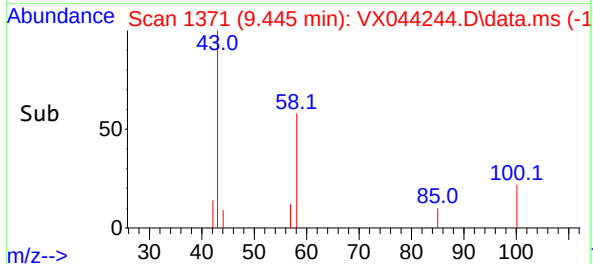
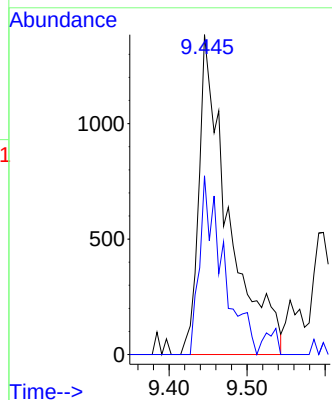
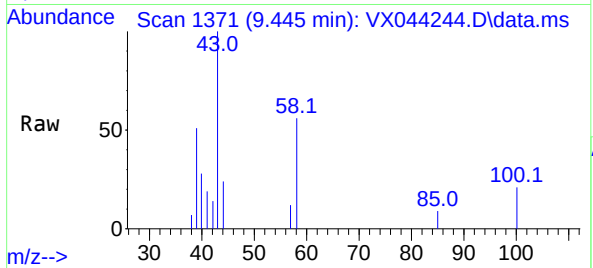
#59
2-Hexanone
Concen: 1.902 ug/l m
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
58 44.6 25.7 77.0

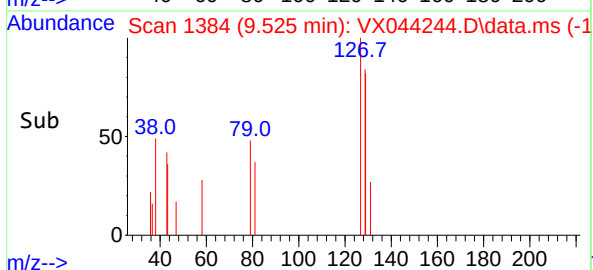
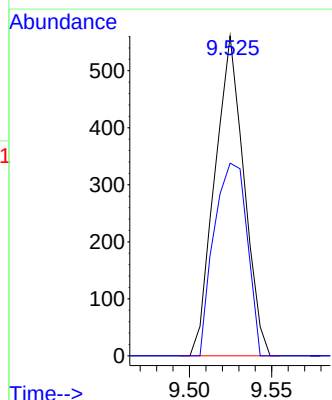
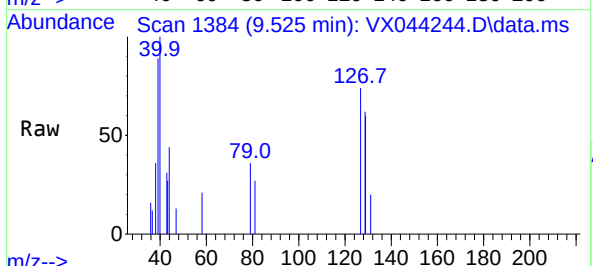
Manual Integrations
APPROVED

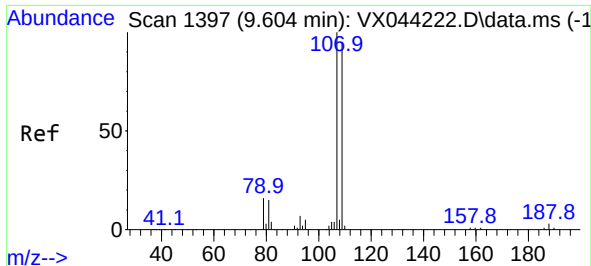
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#60
Dibromochloromethane
Concen: 0.448 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion:129 Resp: 692
Ion Ratio Lower Upper
129 100
127 68.1 38.5 115.3





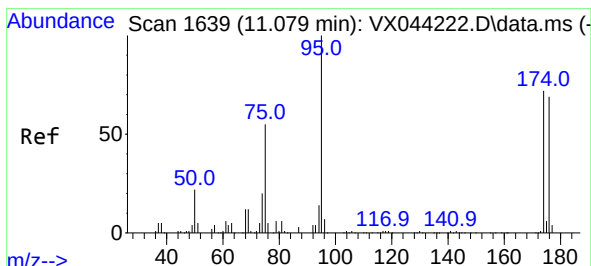
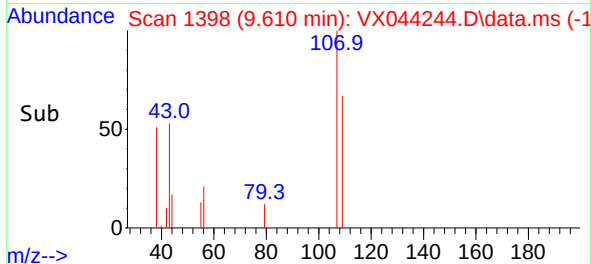
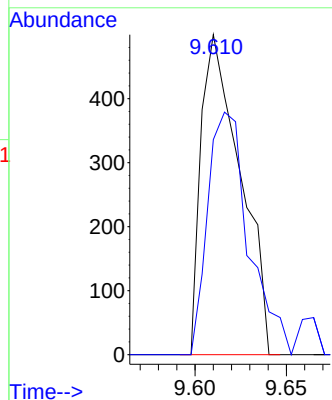
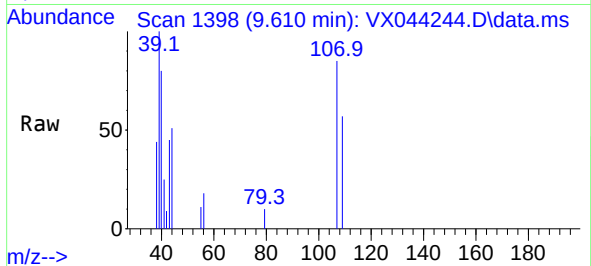
#61
1,2-Dibromoethane
Concen: 0.456 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:107 Resp: 74
Ion Ratio Lower Upper
107 100
109 79.4 77.0 115.4

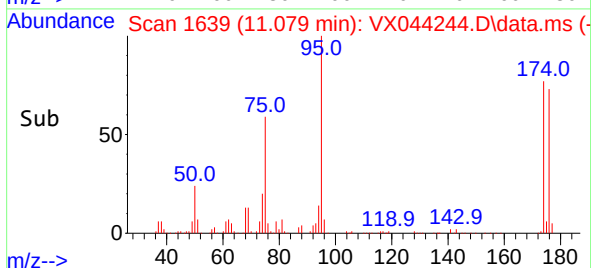
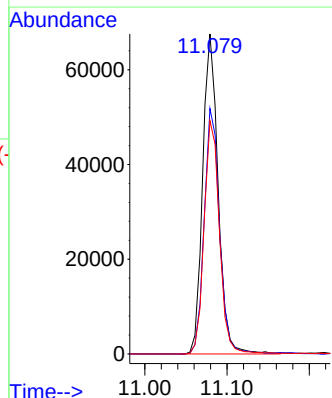
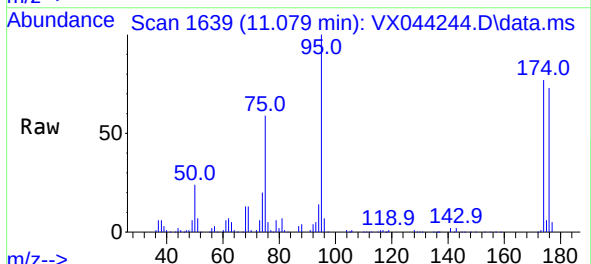
Manual Integrations
APPROVED

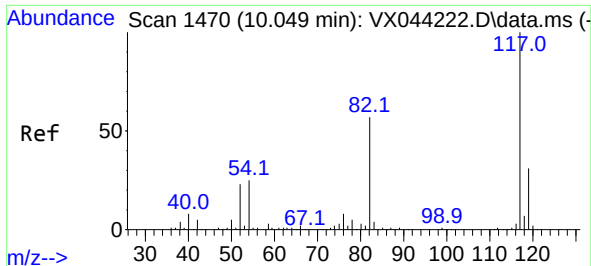
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#62
4-Bromofluorobenzene
Concen: 45.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

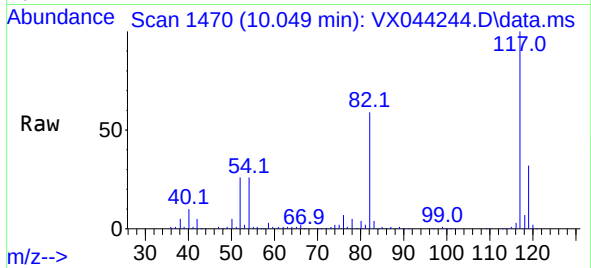
Tgt Ion: 95 Resp: 88157
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.8
176 72.7 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

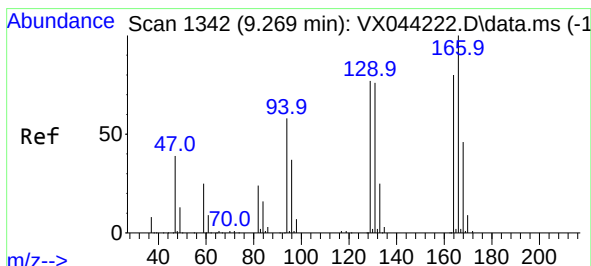
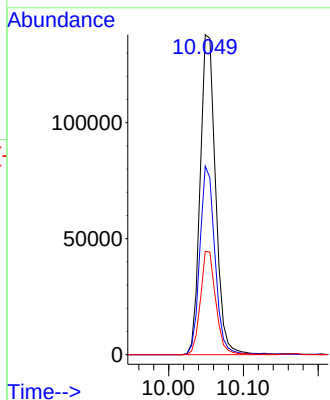
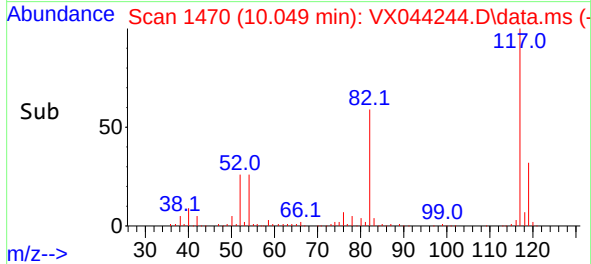
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion:117 Resp: 197940
Ion Ratio Lower Upper
117 100
82 58.9 45.8 68.8
119 32.3 25.0 37.4

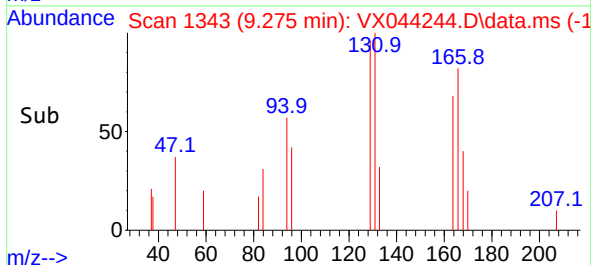
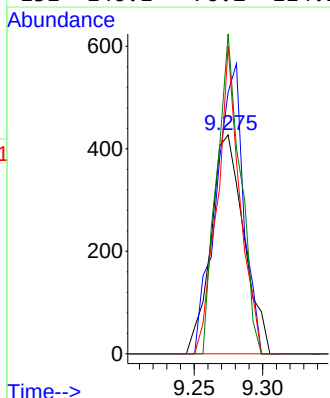
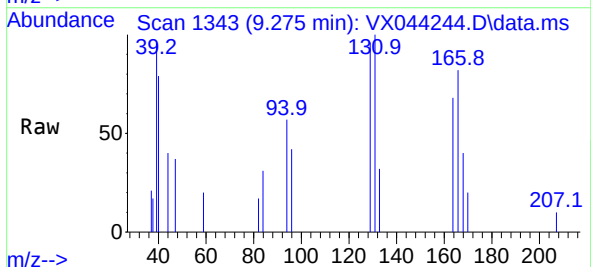
Manual Integrations
APPROVED

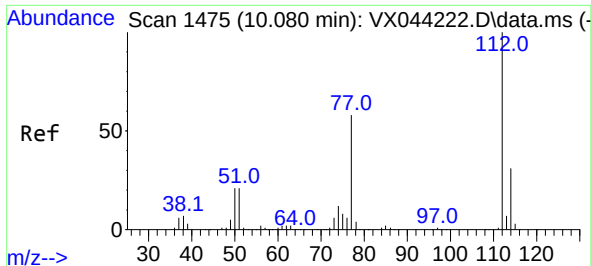
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#64
Tetrachloroethene
Concen: 0.543 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

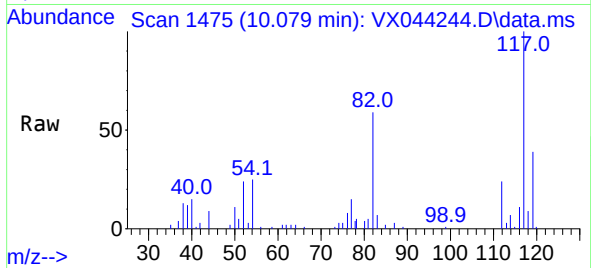
Tgt Ion:164 Resp: 714
Ion Ratio Lower Upper
164 100
166 119.4 100.4 150.6
129 140.7 77.2 115.8#
131 146.1 76.2 114.2#





#65
Chlorobenzene
Concen: 0.518 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

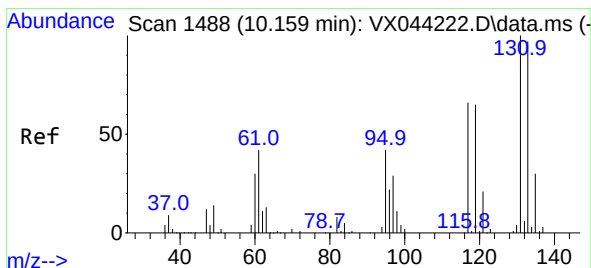
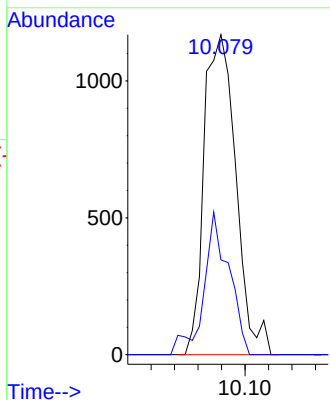
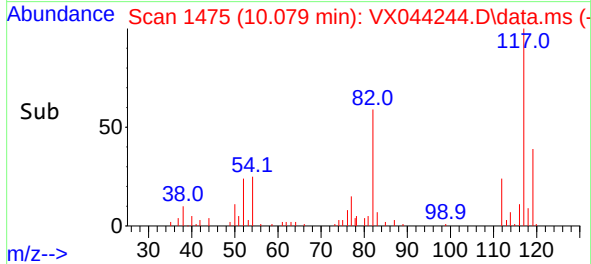
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:112 Resp: 2199
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.6

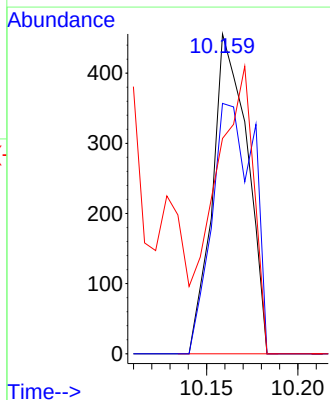
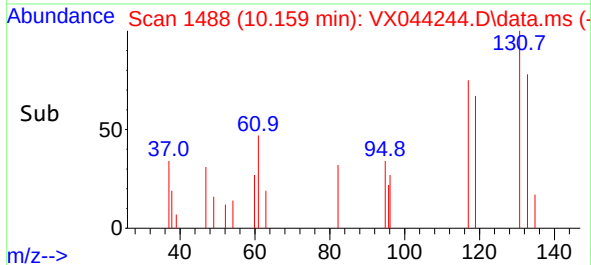
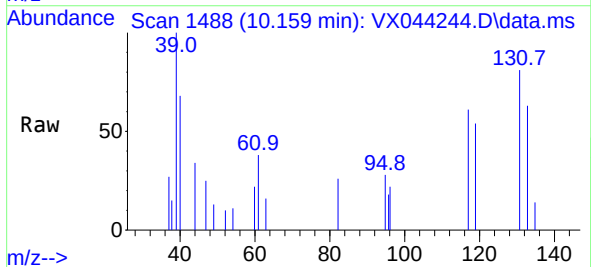
Manual Integrations
APPROVED

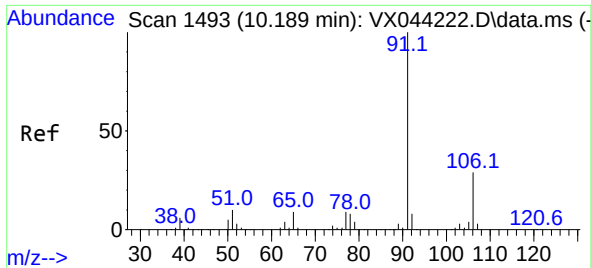
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 0.444 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion:131 Resp: 605
Ion Ratio Lower Upper
131 100
133 93.4 47.3 141.8
119 0.0 31.6 95.0#





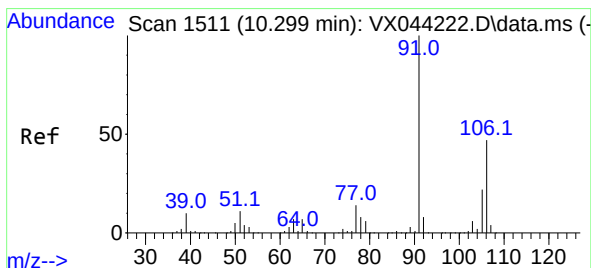
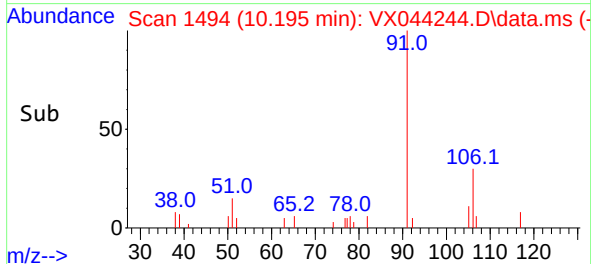
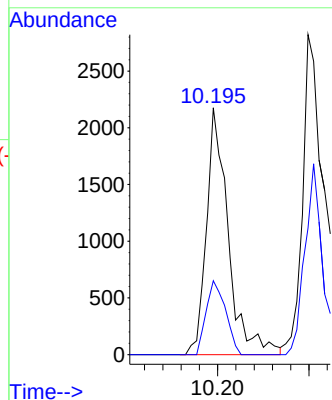
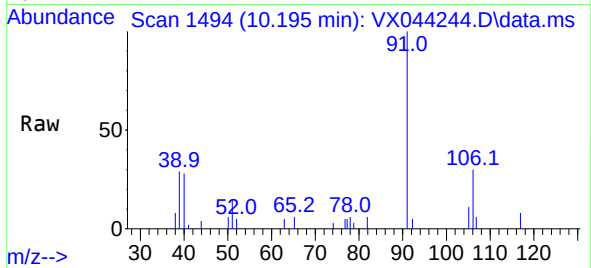
#67
Ethyl Benzene
Concen: 0.492 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 360
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3

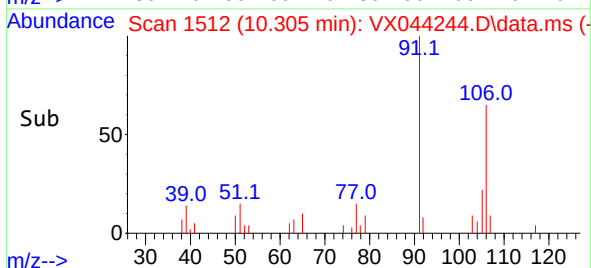
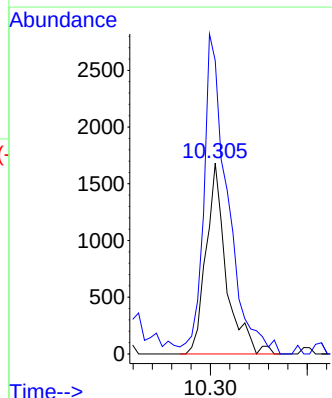
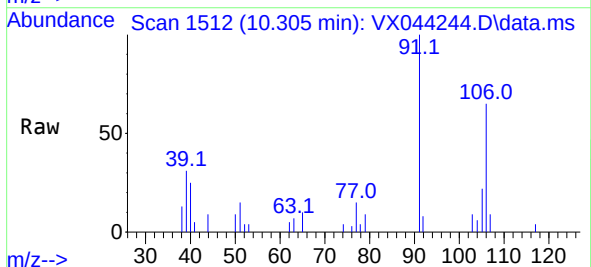
Manual Integrations
APPROVED

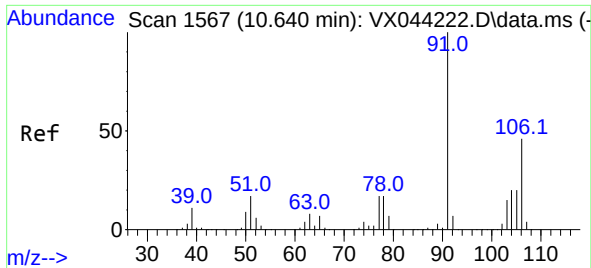
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#68
m/p-Xylenes
Concen: 0.909 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion:106 Resp: 2445
Ion Ratio Lower Upper
106 100
91 196.6 170.2 255.2





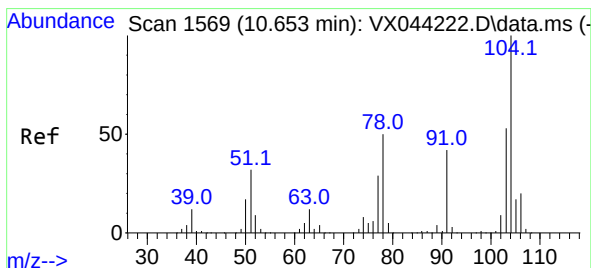
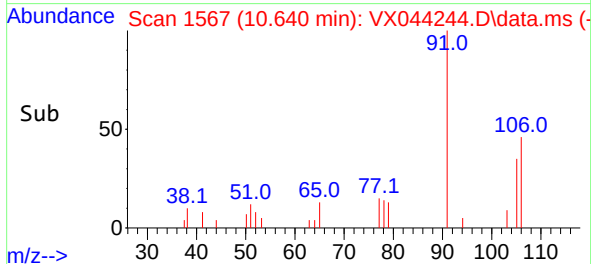
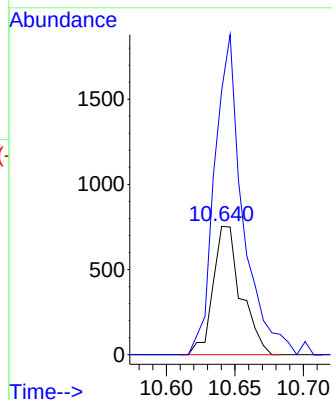
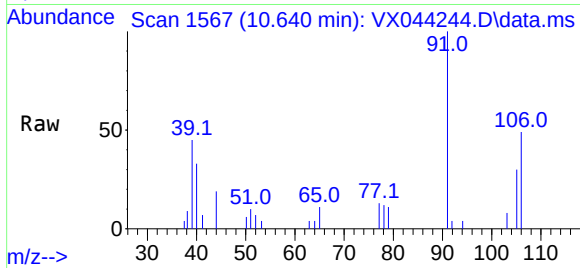
#69
o-Xylene
Concen: 0.394 ug/l
RT: 10.640 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:106 Resp: 1072
Ion Ratio Lower Upper
106 100
91 253.5 112.3 337.0

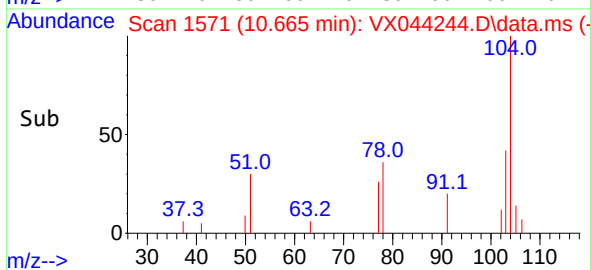
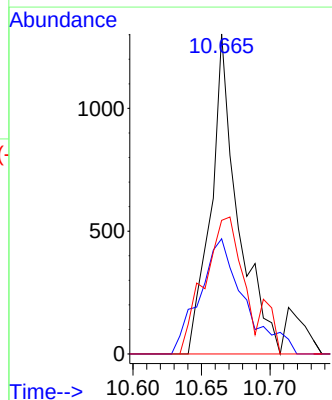
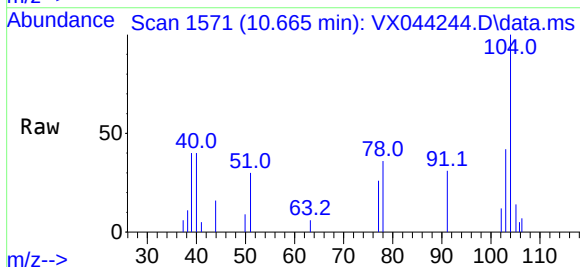
Manual Integrations
APPROVED

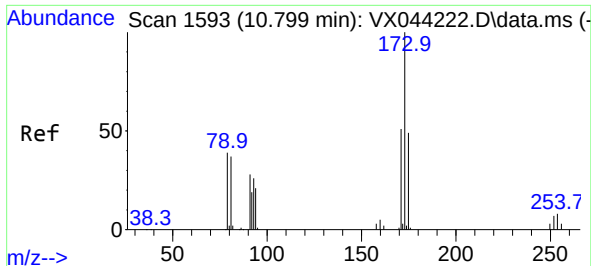
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#70
Styrene
Concen: 0.409 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

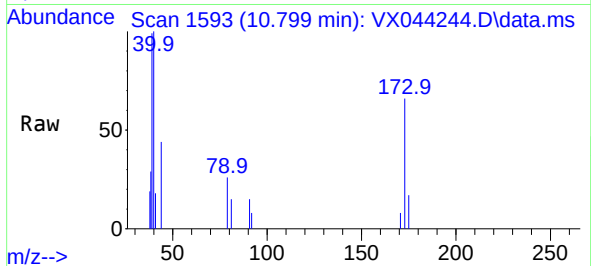
Tgt Ion:104 Resp: 1783
Ion Ratio Lower Upper
104 100
78 59.4 44.6 67.0
103 68.4 45.4 68.0#





#71
Bromoform
Concen: 0.451 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

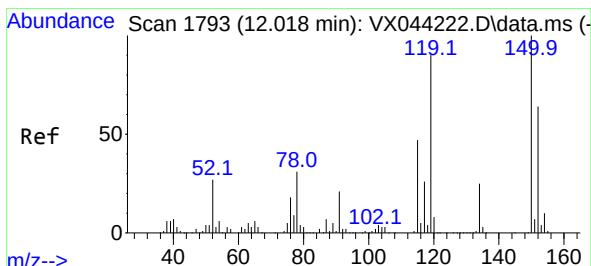
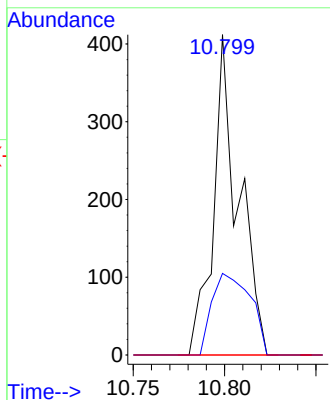
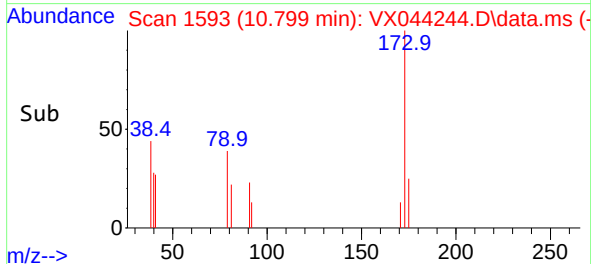
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



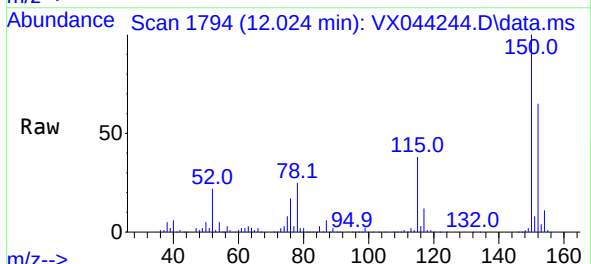
Tgt Ion:173 Resp: 392
Ion Ratio Lower Upper
173 100
175 39.3 23.8 71.4
254 0.0 0.0 0.0

Manual Integrations
APPROVED

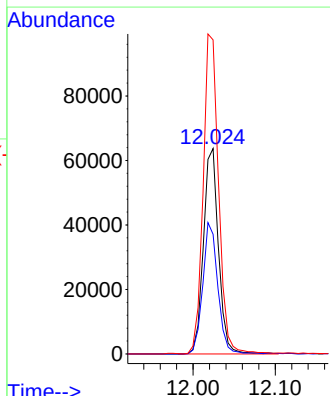
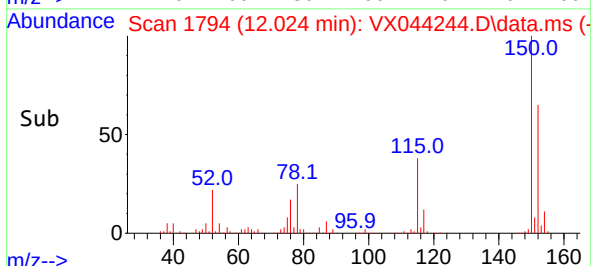
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

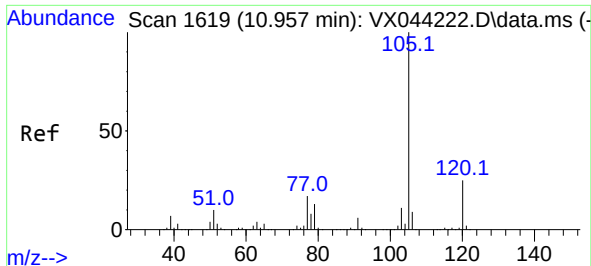


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



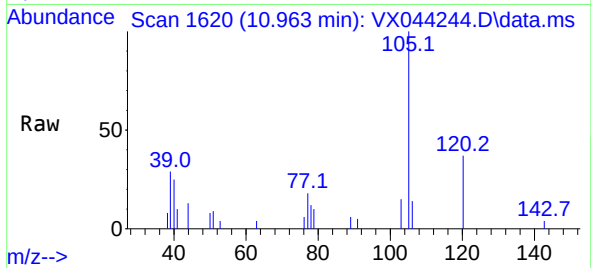
Tgt Ion:152 Resp: 81119
Ion Ratio Lower Upper
152 100
115 63.8 44.5 133.3
150 159.5 0.0 353.8





#73
Isopropylbenzene
Concen: 0.438 ug/l
RT: 10.963 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

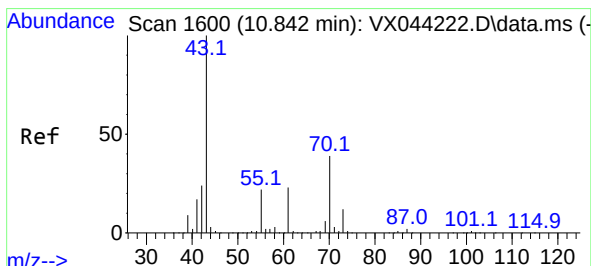
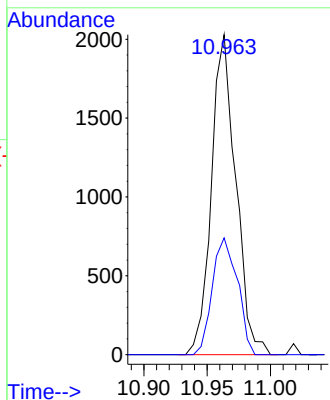
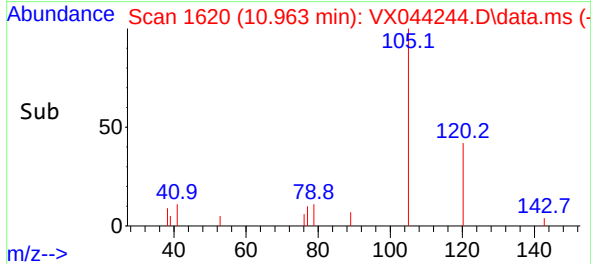
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



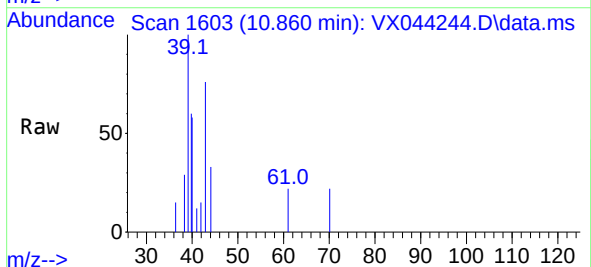
Tgt Ion:105 Resp: 271
Ion Ratio Lower Upper
105 100
120 37.6 13.1 39.3

Manual Integrations
APPROVED

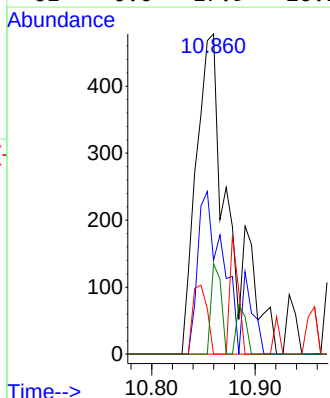
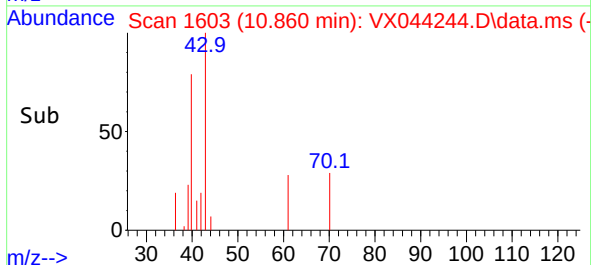
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

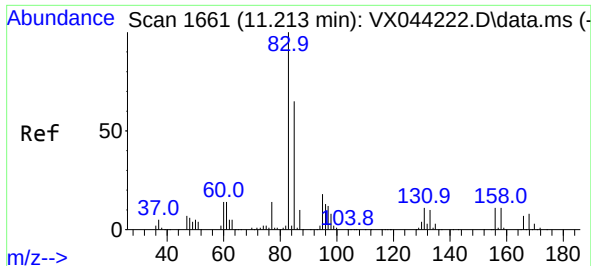


#74
N-ethyl acetate
Concen: 0.373 ug/l m
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



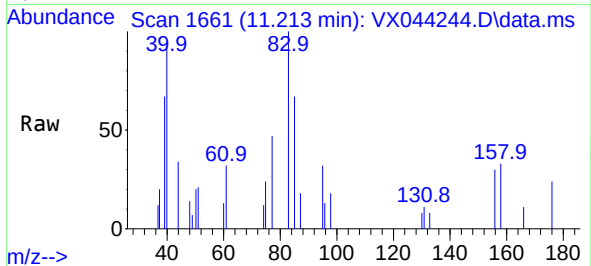
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
70 37.1 31.9 47.9
55 9.2 17.9 26.9#
61 0.0 17.9 26.9#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.490 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

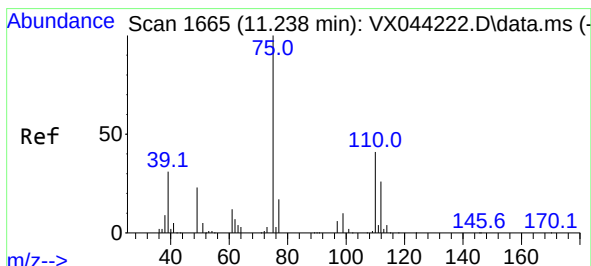
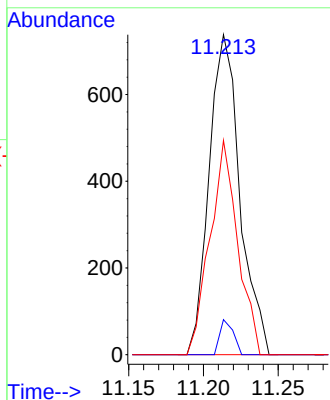
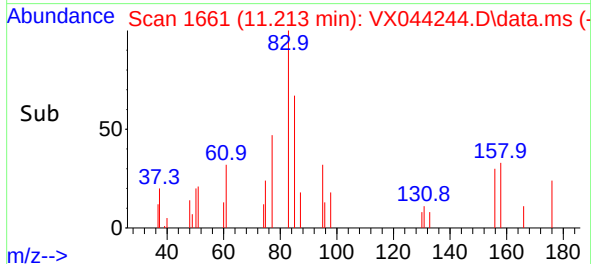
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2024



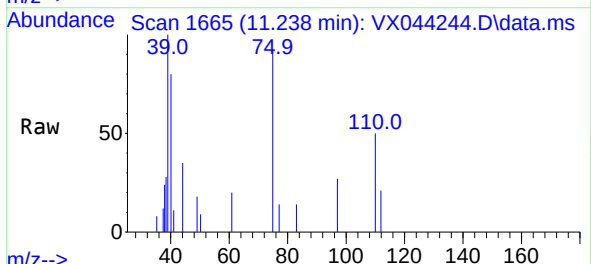
Tgt Ion: 83 Resp: 105
Ion Ratio Lower Upper
83 100
131 4.7 5.1 15.4
85 60.4 32.5 97.4

Manual Integrations
APPROVED

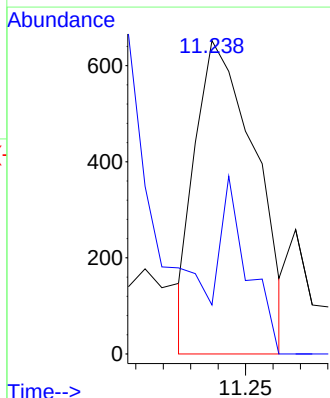
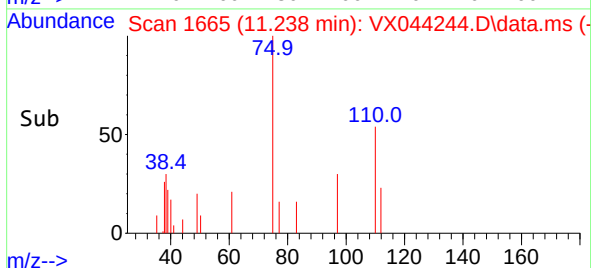
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

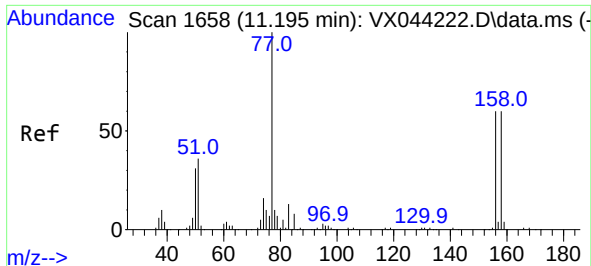


#76
1,2,3-Trichloropropane
Concen: 0.545 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



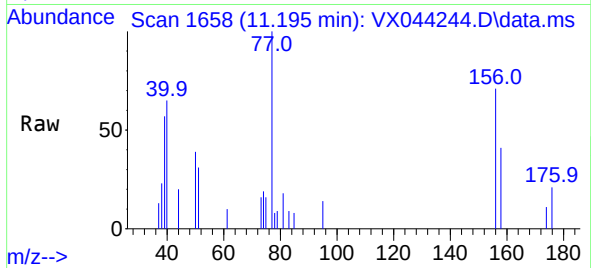
Tgt Ion: 75 Resp: 987
Ion Ratio Lower Upper
75 100
77 60.2 20.9 62.7





#77
Bromobenzene
Concen: 0.538 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

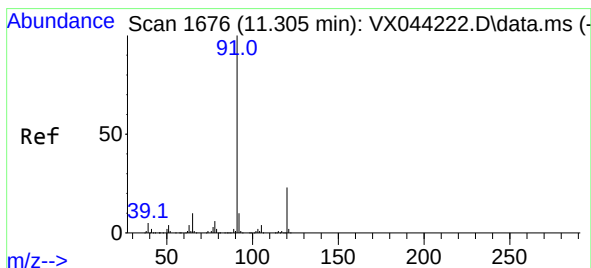
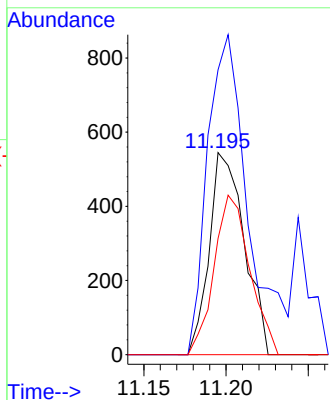
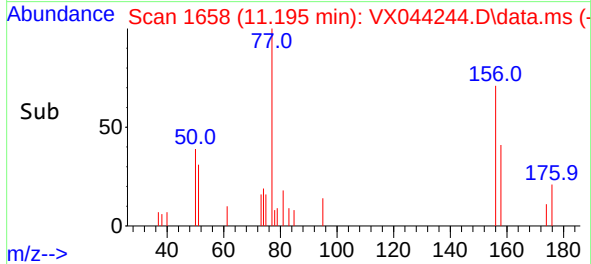
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:156 Resp: 810
Ion Ratio Lower Upper
156 100
77 178.1 82.6 247.8
158 80.1 48.8 146.4

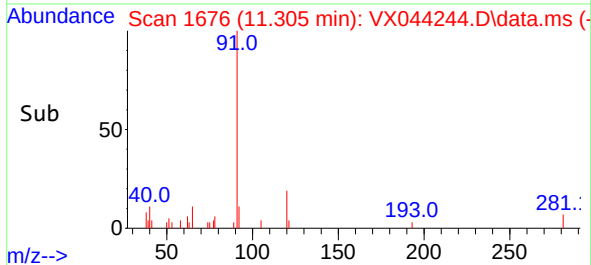
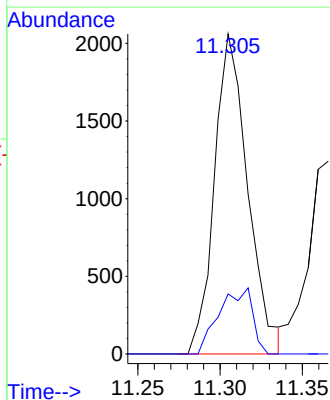
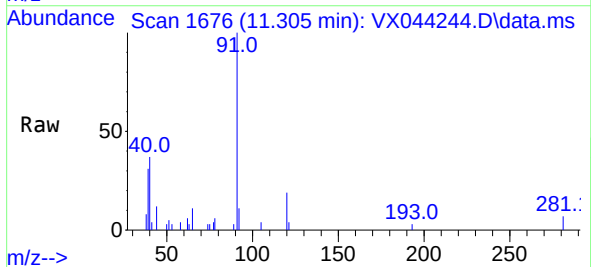
Manual Integrations
APPROVED

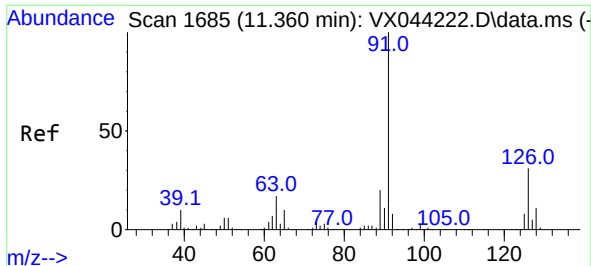
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#78
n-propylbenzene
Concen: 0.424 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion: 91 Resp: 2907
Ion Ratio Lower Upper
91 100
120 20.6 11.0 33.0





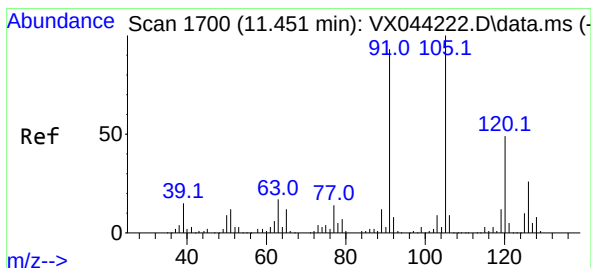
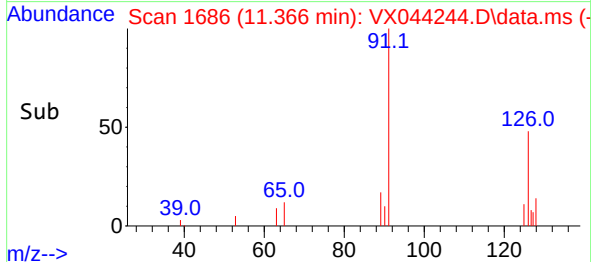
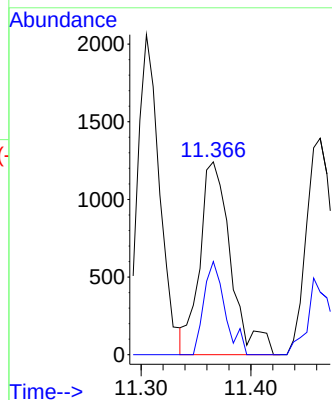
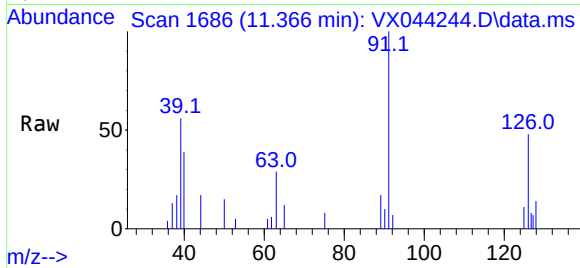
#79
2-Chlorotoluene
Concen: 0.550 ug/l
RT: 11.366 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 244
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1

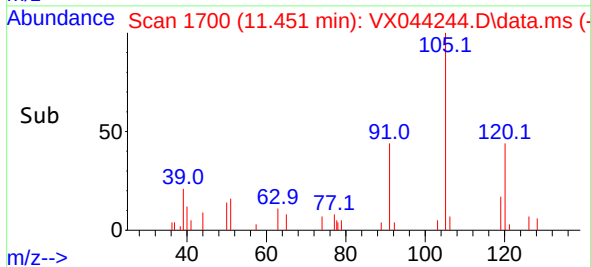
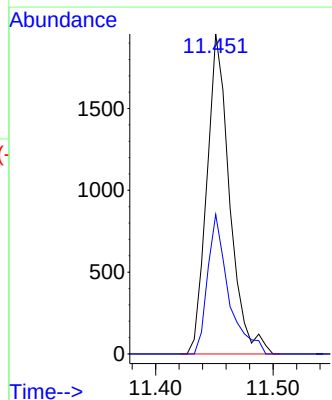
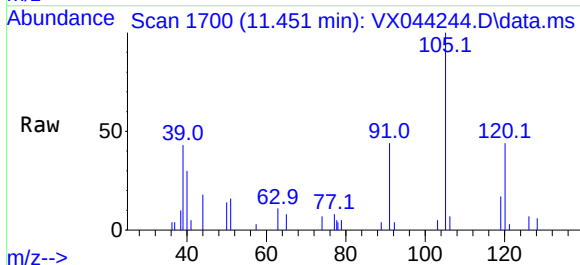
Manual Integrations
APPROVED

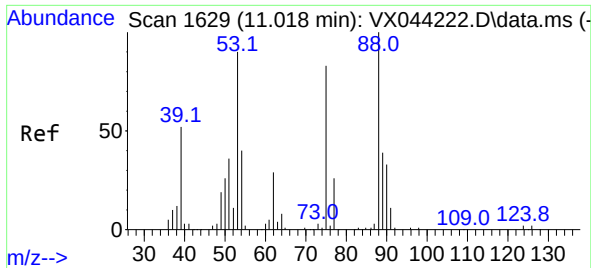
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#80
1,3,5-Trimethylbenzene
Concen: 0.510 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

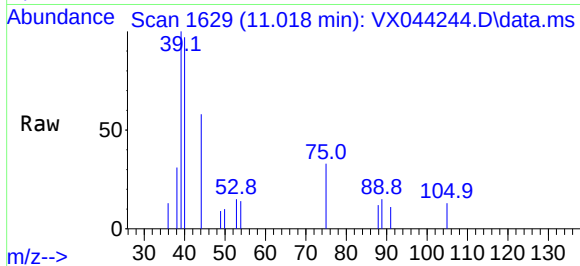
Tgt Ion:105 Resp: 2629
Ion Ratio Lower Upper
105 100
120 40.1 23.8 71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 0.280 ug/l m
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

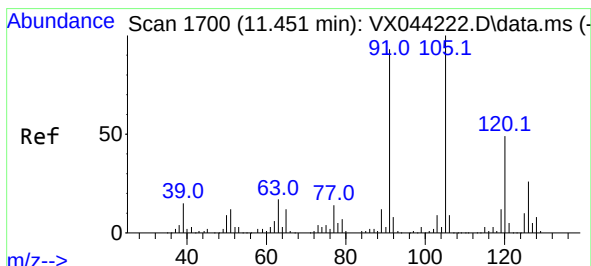
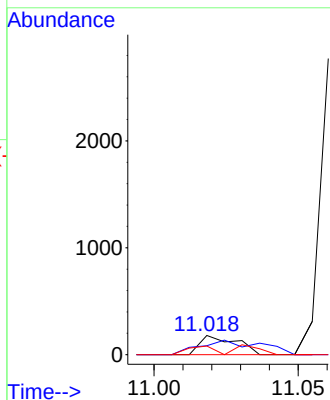
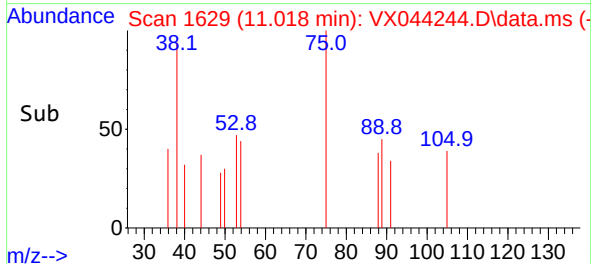
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4
89 0.0 37.3 55.9

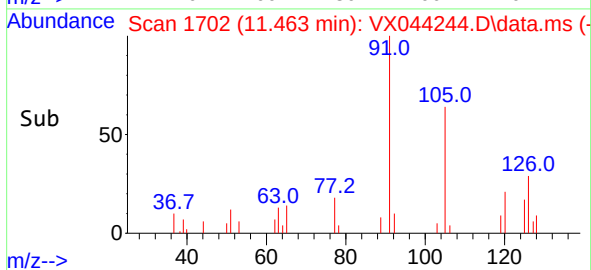
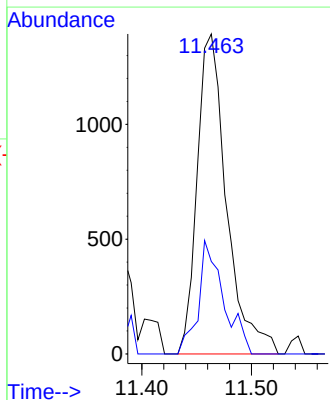
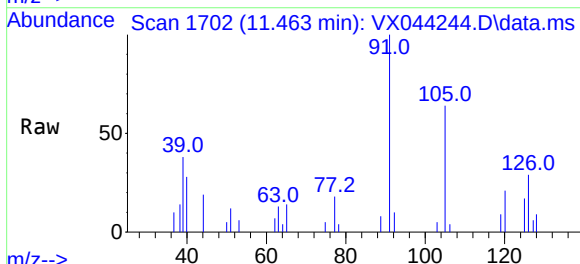
Manual Integrations
APPROVED

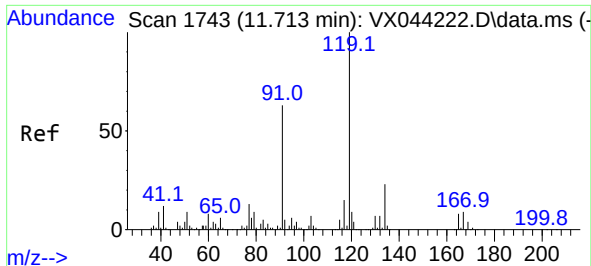
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#82
4-Chlorotoluene
Concen: 0.529 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

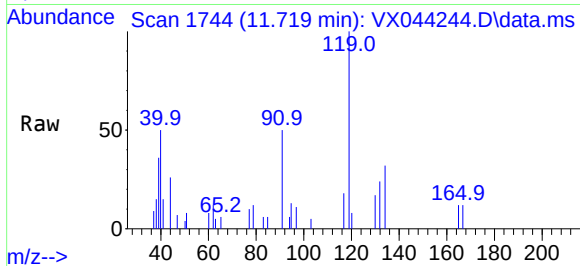
Tgt Ion: 91 Resp: 2602
Ion Ratio Lower Upper
91 100
126 30.4 14.5 43.5





#83
tert-Butylbenzene
Concen: 0.496 ug/l
RT: 11.719 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

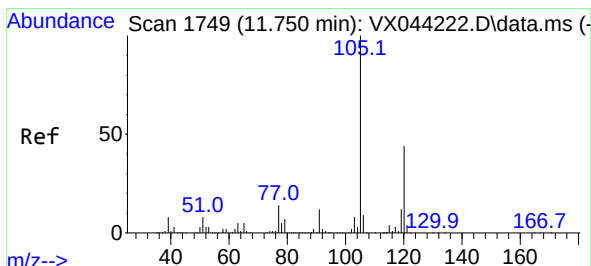
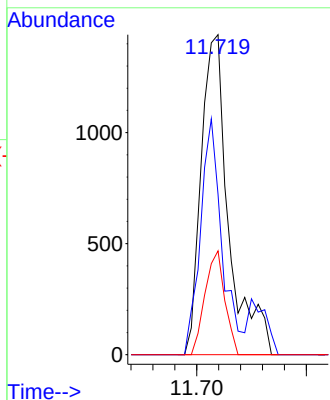
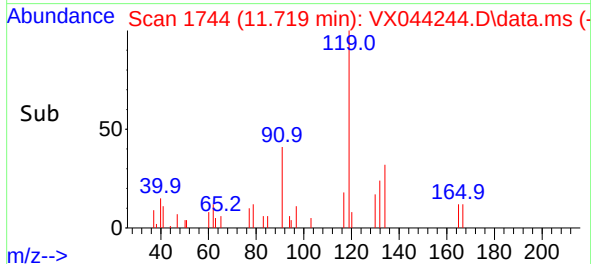
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



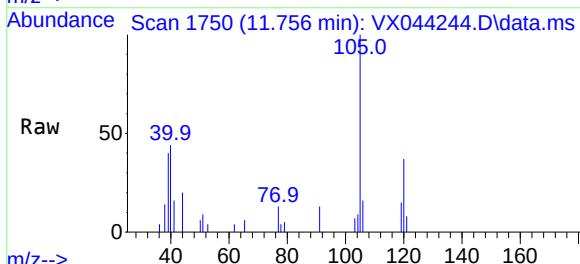
Tgt Ion:119 Resp: 2524
Ion Ratio Lower Upper
119 100
91 57.8 30.9 92.5
134 23.2 11.5 34.4

Manual Integrations
APPROVED

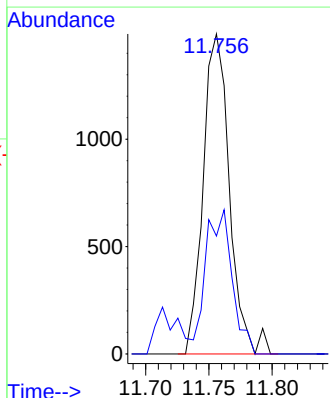
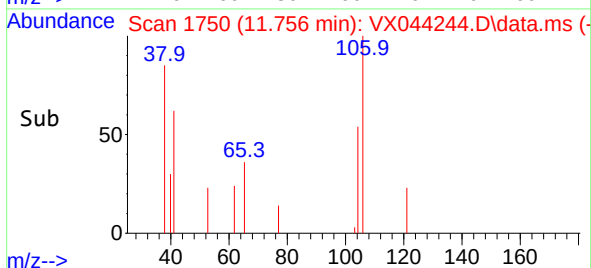
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

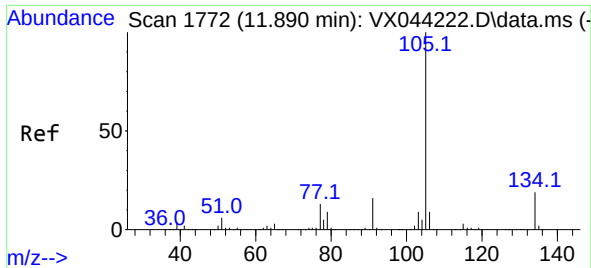


#84
1,2,4-Trimethylbenzene
Concen: 0.426 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



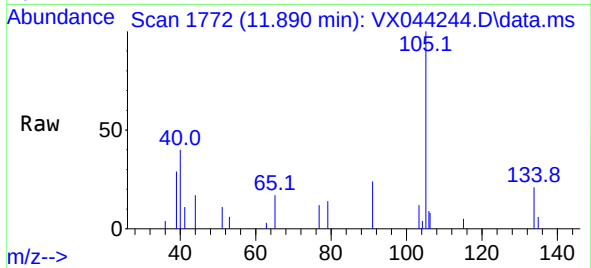
Tgt Ion:105 Resp: 2155
Ion Ratio Lower Upper
105 100
120 44.6 21.7 65.1





#85
 sec-Butylbenzene
 Concen: 0.346 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044244.D
 Acq: 12 Dec 2024 12:01

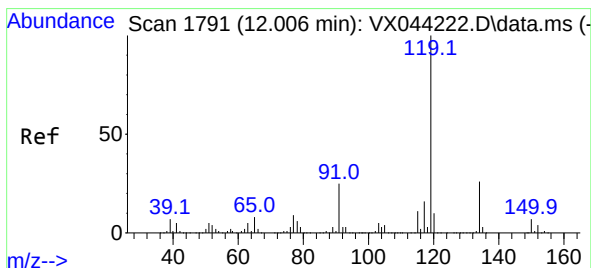
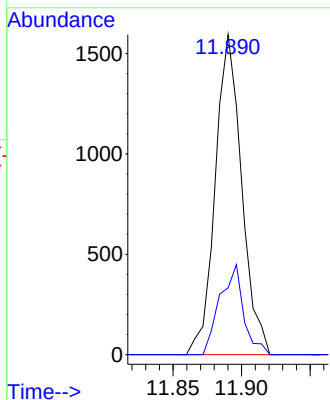
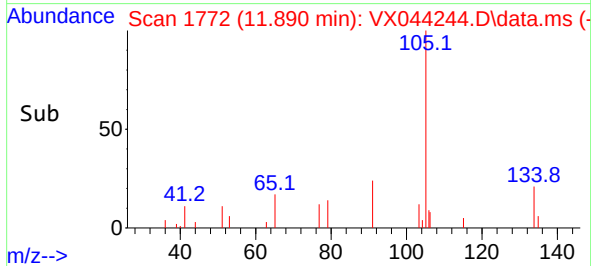
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-03-QT4-2024



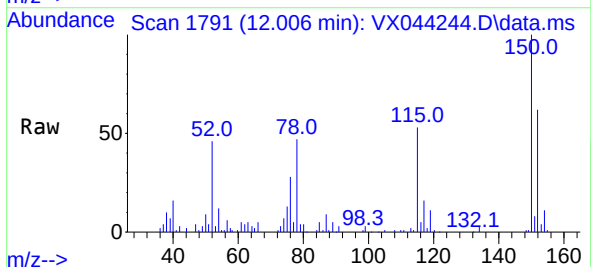
Tgt Ion:105 Resp: 2138
 Ion Ratio Lower Upper
 105 100
 134 25.2 9.8 29.4

Manual Integrations
 APPROVED

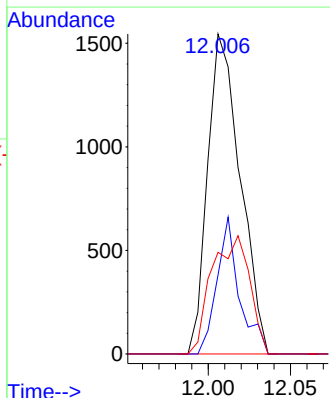
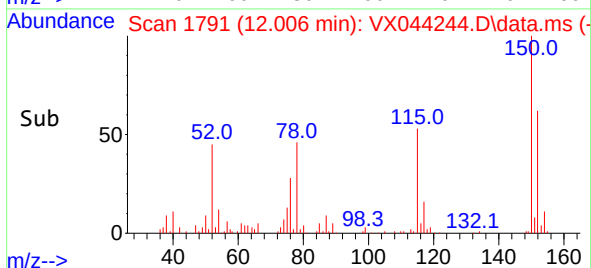
Reviewed By :John Carlone 12/13/2024
 Supervised By :Mahesh Dadoda 12/13/2024

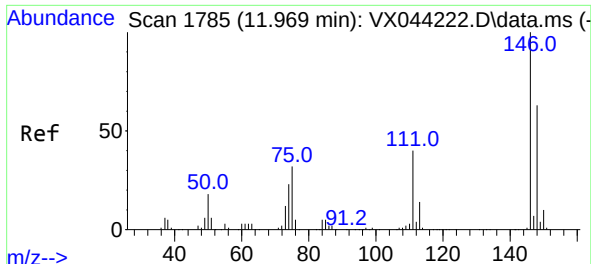


#86
 p-Isopropyltoluene
 Concen: 0.414 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044244.D
 Acq: 12 Dec 2024 12:01



Tgt Ion:119 Resp: 2130
 Ion Ratio Lower Upper
 119 100
 134 29.4 12.8 38.4
 91 42.9 13.0 39.0#





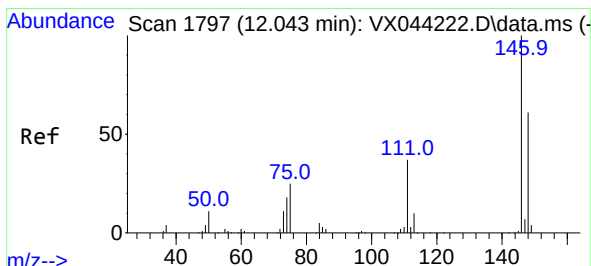
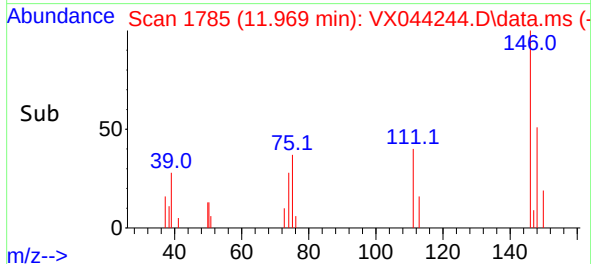
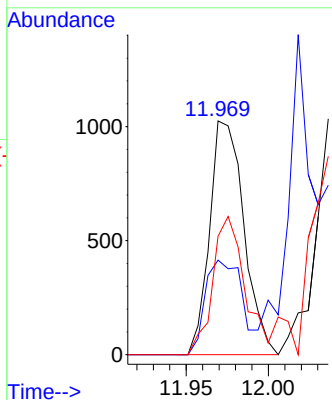
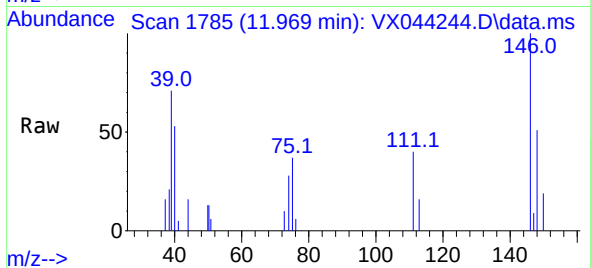
#87
1,3-Dichlorobenzene
Concen: 0.565 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:146 Resp: 148
Ion Ratio Lower Upper
146 100
111 44.5 21.4 64.2
148 55.3 31.7 95.1

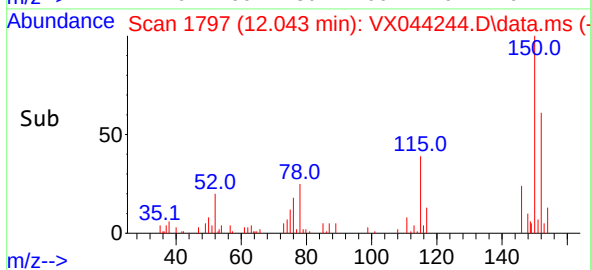
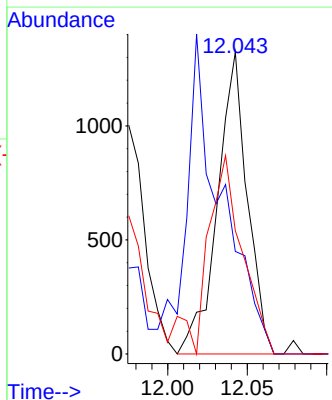
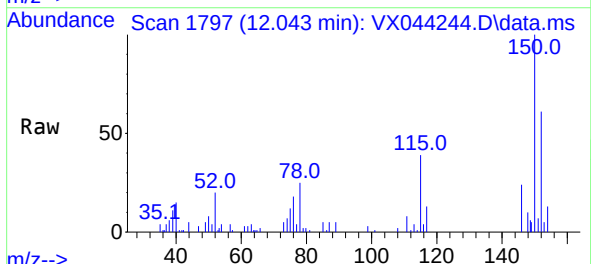
Manual Integrations
APPROVED

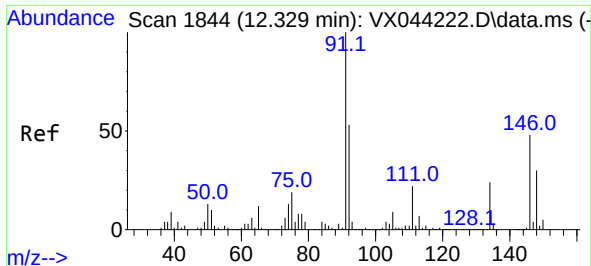
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#88
1,4-Dichlorobenzene
Concen: 0.641 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

Tgt Ion:146 Resp: 1733
Ion Ratio Lower Upper
146 100
111 38.1 21.0 63.0
148 47.4 32.3 96.8





#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 12.341 min Scan# 1844

Delta R.T. 0.012 min

Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 1528

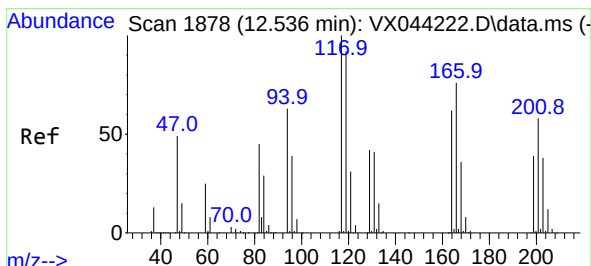
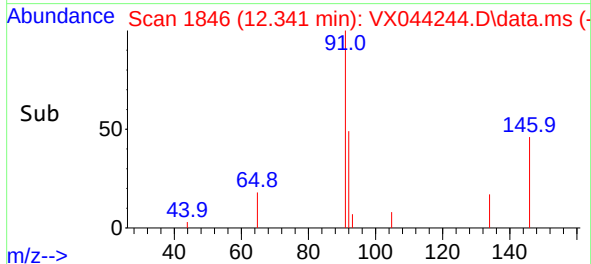
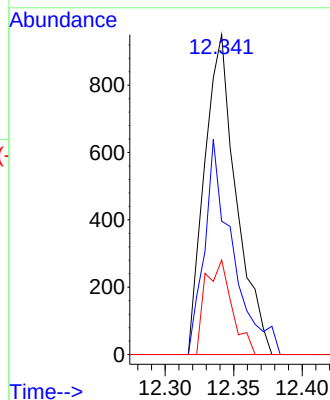
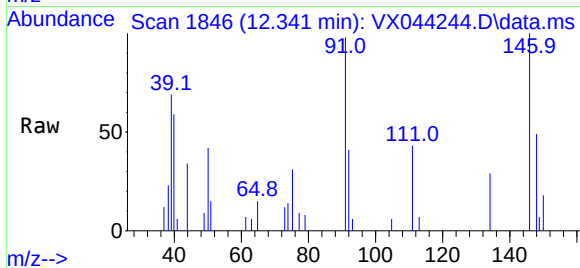
Ion	Ratio	Lower	Upper
91	100		
92	59.3	26.6	79.7
134	24.5	12.6	37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2024

Supervised By :Mahesh Dadoda 12/13/2024



#90

Hexachloroethane

Concen: 0.516 ug/l

RT: 12.536 min Scan# 1878

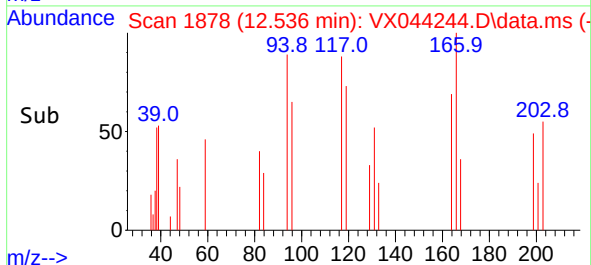
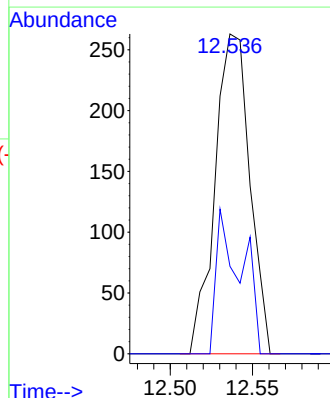
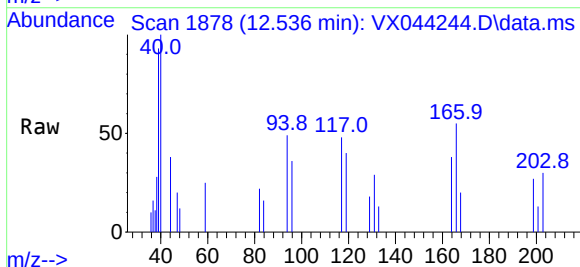
Delta R.T. -0.000 min

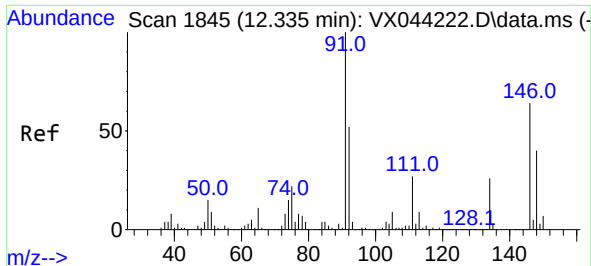
Lab File: VX044244.D

Acq: 12 Dec 2024 12:01

Tgt Ion:117 Resp: 387

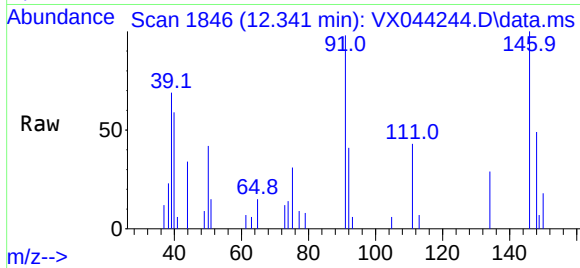
Ion	Ratio	Lower	Upper
117	100		
201	32.6	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 0.477 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

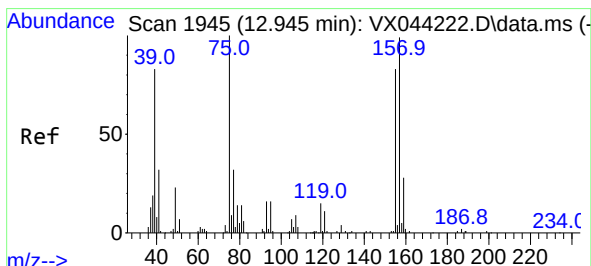
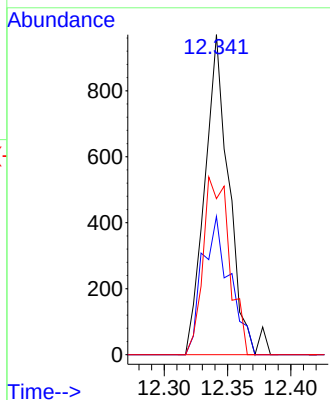
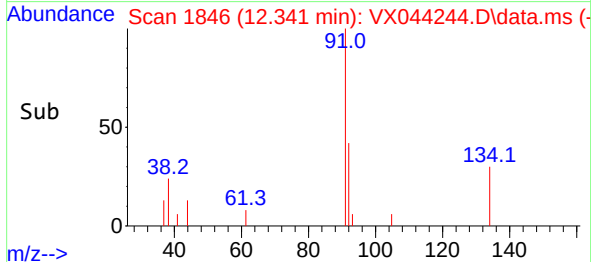
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



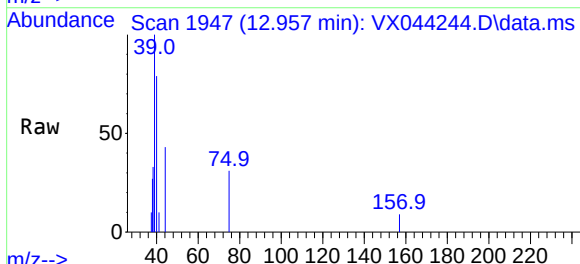
Tgt Ion:146 Resp: 1302
Ion Ratio Lower Upper
146 100
111 48.8 21.4 64.3
148 59.7 31.6 95.0

Manual Integrations
APPROVED

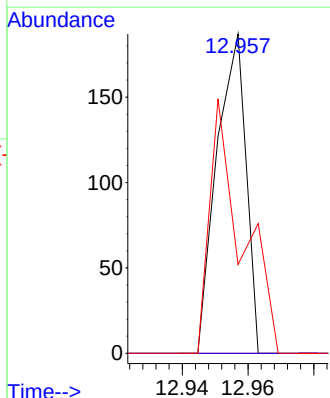
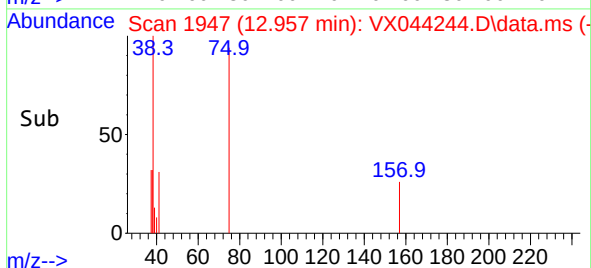
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024

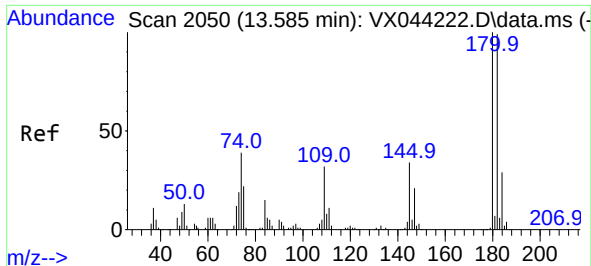


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.275 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



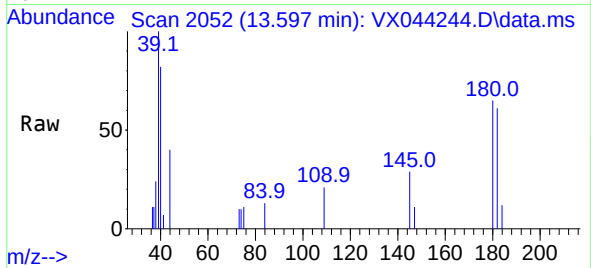
Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.3#
157 87.8 47.2 141.6





#93
1,2,4-Trichlorobenzene
Concen: 0.518 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

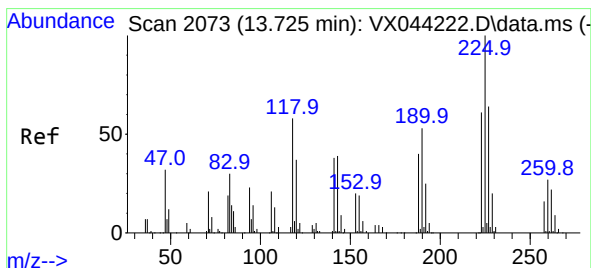
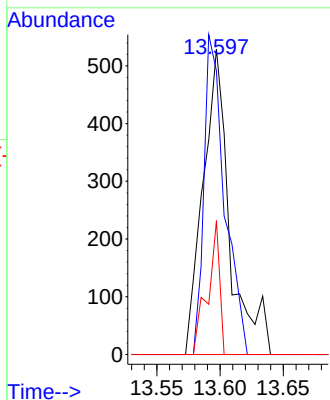
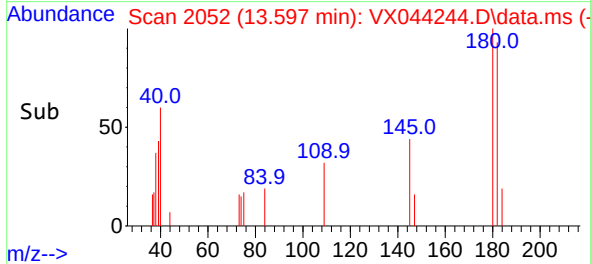
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:180 Resp: 770
Ion Ratio Lower Upper
180 100
182 81.2 48.0 144.2
145 19.7 16.6 49.7

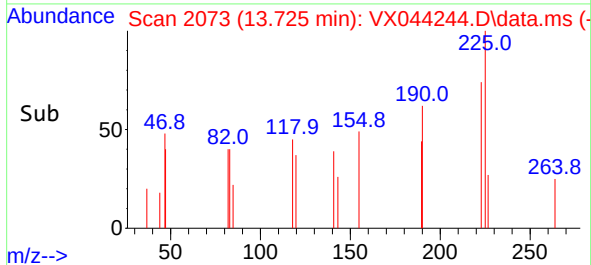
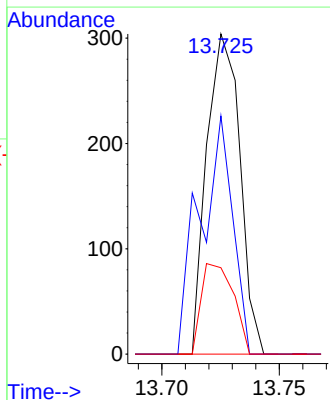
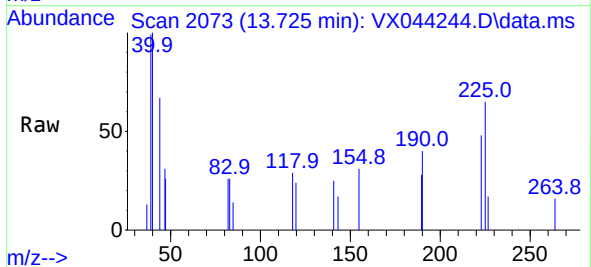
Manual Integrations
APPROVED

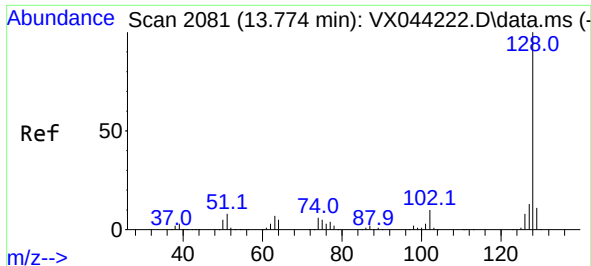
Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#94
Hexachlorobutadiene
Concen: 0.495 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

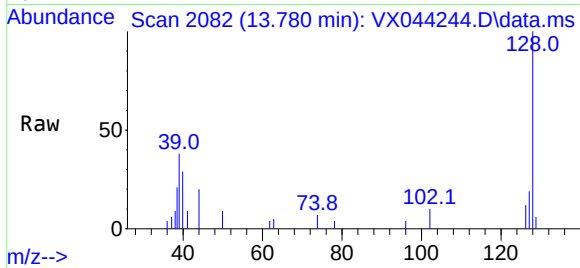
Tgt Ion:225 Resp: 298
Ion Ratio Lower Upper
225 100
223 73.2 30.8 92.4
227 27.5 32.1 96.3#





#95
Naphthalene
Concen: 0.446 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01

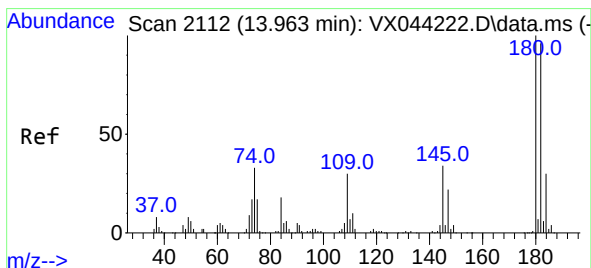
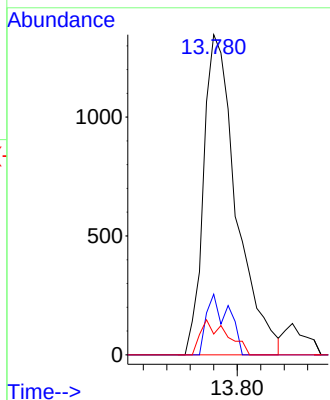
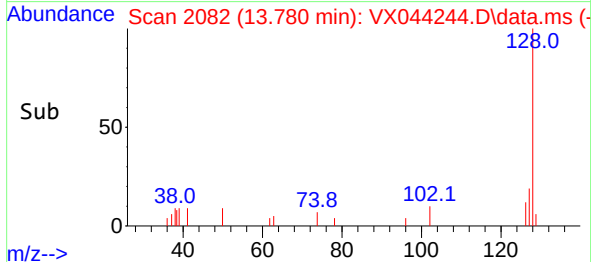
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2024



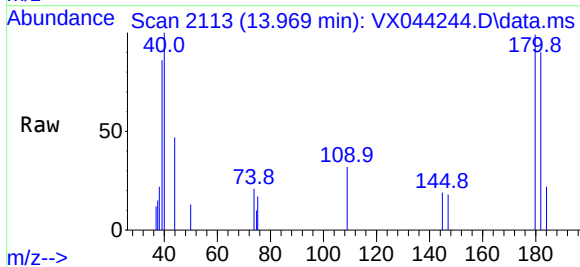
Tgt Ion:128 Resp: 2608
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 8.8 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2024
Supervised By :Mahesh Dadoda 12/13/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.494 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX044244.D
Acq: 12 Dec 2024 12:01



Tgt Ion:180 Resp: 784
Ion Ratio Lower Upper
180 100
182 92.6 48.0 144.0
145 29.2 17.7 53.1

