

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044957.D
 Acq On : 14 Feb 2025 13:34
 Operator : JC/MD
 Sample : Q1168-09 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Quant Time: Feb 15 03:03:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 15 03:00:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	111064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202126	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	174217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73478	45.196	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.400%		
35) Dibromofluoromethane	5.379	113	57518	43.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.540%		
50) Toluene-d8	8.647	98	207896	41.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	83.680%#		
62) 4-Bromofluorobenzene	11.079	95	69405	41.429	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	82.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1040	0.668	ug/l	94
3) Chloromethane	1.306	50	1412	0.745	ug/l	99
4) Vinyl Chloride	1.374	62	1162	0.633	ug/l	92
5) Bromomethane	1.599	94	649	1.181	ug/l	87
6) Chloroethane	1.678	64	934	1.372	ug/l #	70
7) Trichlorofluoromethane	1.880	101	1829	0.787	ug/l	98
8) Diethyl Ether	2.130	74	718	0.852	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	929	0.662	ug/l	98
10) Methyl Iodide	2.440	142	1307	0.719	ug/l #	94
11) Tert butyl alcohol	2.953	59	2533	8.398	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	1068	0.746	ug/l	98
13) Acrolein	2.227	56	1180	3.792	ug/l	92
14) Allyl chloride	2.654	41	2083	0.805	ug/l #	72
15) Acrylonitrile	3.062	53	3103	3.853	ug/l	99
16) Acetone	2.379	43	2940	4.498	ug/l	98
17) Carbon Disulfide	2.501	76	2644	0.674	ug/l #	95
18) Methyl Acetate	2.703	43	1701	0.825	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	3208	0.704	ug/l #	89
20) Methylene Chloride	2.788	84	1301	0.813	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	1087	0.772	ug/l #	80
22) Diisopropyl ether	3.757	45	3390	0.693	ug/l #	38
23) Vinyl Acetate	3.733	43	12664	3.174	ug/l	99
24) 1,1-Dichloroethane	3.611	63	2014	0.735	ug/l #	83
25) 2-Butanone	4.580	43	3612	3.403	ug/l #	85
26) 2,2-Dichloropropane	4.458	77	1446	0.666	ug/l #	58
27) cis-1,2-Dichloroethene	4.483	96	1149m	0.679	ug/l	
28) Bromochloromethane	4.897	49	821	0.624	ug/l #	62
29) Tetrahydrofuran	5.007	42	2808	3.985	ug/l	99
30) Chloroform	5.092	83	1906	0.718	ug/l	100
31) Cyclohexane	5.464	56	1796	0.711	ug/l #	77
32) 1,1,1-Trichloroethane	5.373	97	1648	0.732	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1590	0.839	ug/l #	82
37) Ethyl Acetate	4.739	43	1577m	0.748	ug/l	
38) Carbon Tetrachloride	5.672	117	1473	0.793	ug/l #	84
39) Methylcyclohexane	7.372	83	1649	0.673	ug/l	92
40) Benzene	6.043	78	4256	0.719	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	846m	0.749	ug/l	
42) 1,2-Dichloroethane	6.098	62	1531	0.811	ug/l #	74
43) Isopropyl Acetate	6.354	43	2064	0.606	ug/l #	82
44) Trichloroethene	7.129	130	951	0.703	ug/l	94
45) 1,2-Dichloropropane	7.440	63	994	0.675	ug/l	90
46) Dibromomethane	7.592	93	738	0.723	ug/l	97
47) Bromodichloromethane	7.824	83	1460	0.738	ug/l #	89
48) Methyl methacrylate	7.708	41	1139m	0.709	ug/l	
49) 1,4-Dioxane	7.677	88	447	12.975	ug/l #	77
51) 4-Methyl-2-Pentanone	8.573	43	7255	3.504	ug/l	95
52) Toluene	8.720	92	2587	0.734	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	1091	0.545	ug/l	98
54) cis-1,3-Dichloropropene	8.378	75	1179	0.528	ug/l #	91
55) 1,1,2-Trichloroethane	9.159	97	979	0.722	ug/l #	72
56) Ethyl methacrylate	9.128	69	1219	0.557	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	1856	0.783	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.250	63	2468	2.296	ug/l	97
59) 2-Hexanone	9.439	43	5119	3.432	ug/l	94
60) Dibromochloromethane	9.518	129	954	0.658	ug/l	93
61) 1,2-Dibromoethane	9.610	107	873	0.635	ug/l	88
64) Tetrachloroethene	9.268	164	844	0.768	ug/l	86
65) Chlorobenzene	10.073	112	2858	0.764	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	826	0.686	ug/l #	64
67) Ethyl Benzene	10.195	91	4422	0.670	ug/l	92
68) m/p-Xylenes	10.305	106	3216	1.320	ug/l	92
69) o-Xylene	10.640	106	1711	0.700	ug/l	99
70) Styrene	10.665	104	2649m	0.673	ug/l	
71) Bromoform	10.805	173	626	0.696	ug/l #	98
73) Isopropylbenzene	10.963	105	4048	0.667	ug/l	93
74) N-amyl acetate	10.854	43	1476	0.538	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	1491	0.715	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	1327m	0.795	ug/l	
77) Bromobenzene	11.201	156	1083	0.788	ug/l	85
78) n-propylbenzene	11.305	91	4500	0.643	ug/l	99
79) 2-Chlorotoluene	11.366	91	3335	0.775	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	3260	0.662	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	265m	0.408	ug/l	
82) 4-Chlorotoluene	11.457	91	3355	0.705	ug/l	96
83) tert-Butylbenzene	11.713	119	3496	0.702	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3307	0.681	ug/l	98
85) sec-Butylbenzene	11.890	105	4160	0.675	ug/l	99
86) p-Isopropyltoluene	12.006	119	3134	0.632	ug/l	86
87) 1,3-Dichlorobenzene	11.975	146	1759	0.696	ug/l	91
88) 1,4-Dichlorobenzene	12.042	146	1835m	0.718	ug/l	
89) n-Butylbenzene	12.335	91	2352	0.536	ug/l	96
90) Hexachloroethane	12.536	117	515	0.555	ug/l	97
91) 1,2-Dichlorobenzene	12.341	146	1873	0.754	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	219	0.576	ug/l	65
93) 1,2,4-Trichlorobenzene	13.591	180	931	0.619	ug/l	95
94) Hexachlorobutadiene	13.725	225	416	0.697	ug/l	93
95) Naphthalene	13.780	128	3094	0.569	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	929	0.613	ug/l	94

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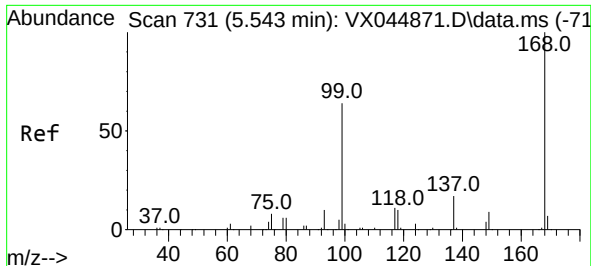
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Manual Integrations
APPROVED

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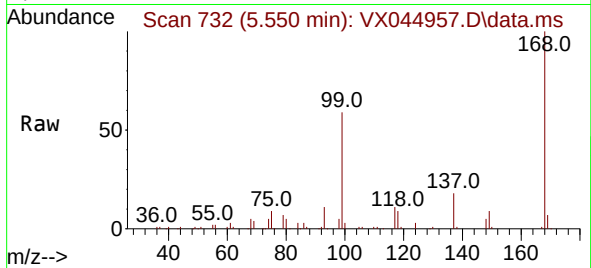
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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. 0.007 min
Lab File: VX044957.D
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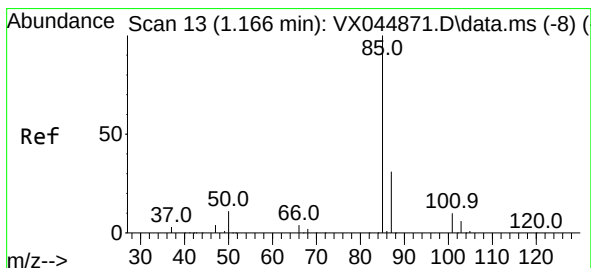
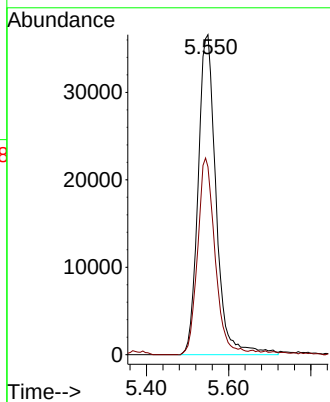
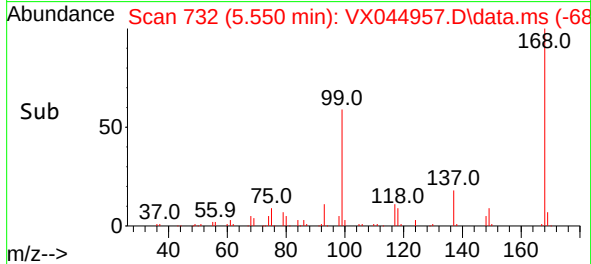
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:168 Resp: 111064
Ion Ratio Lower Upper
168 100
99 58.7 51.2 76.8

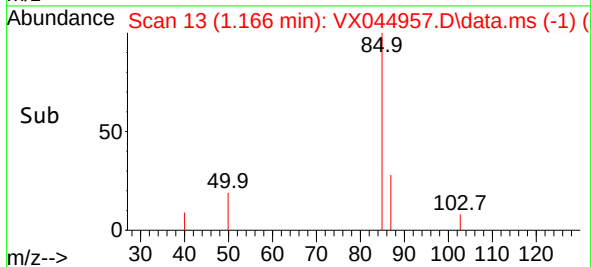
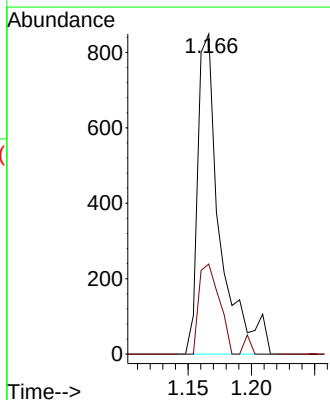
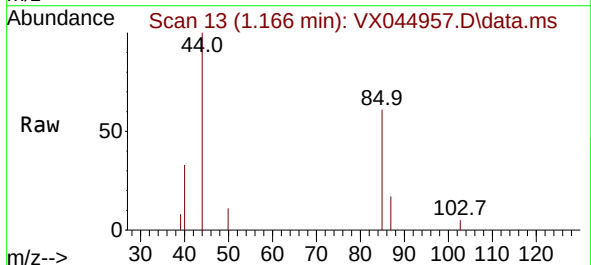
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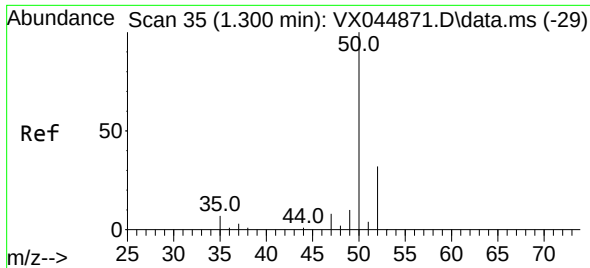
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#2
Dichlorodifluoromethane
Concen: 0.668 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 85 Resp: 1040
Ion Ratio Lower Upper
85 100
87 28.2 15.8 47.3





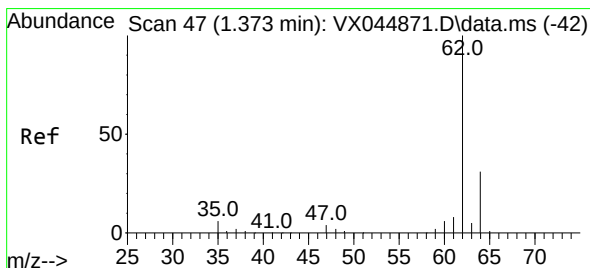
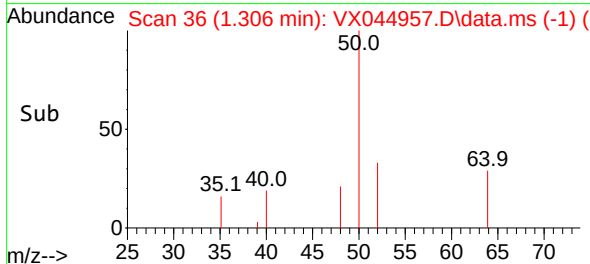
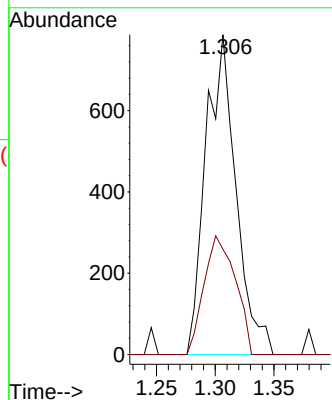
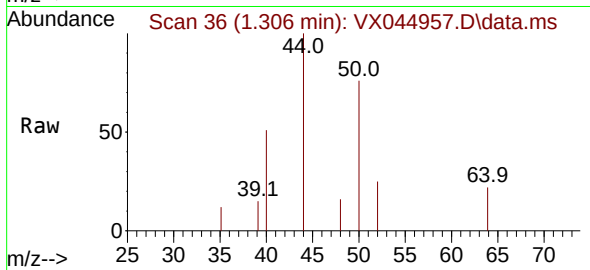
#3
Chloromethane
Concen: 0.745 ug/l
RT: 1.306 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 50 Resp: 141
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9

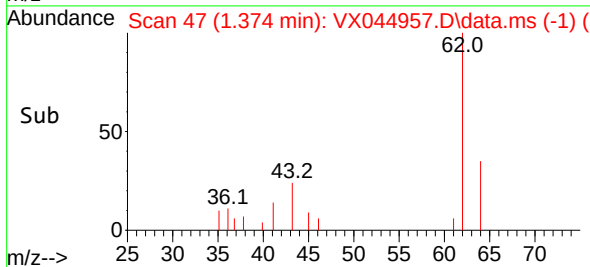
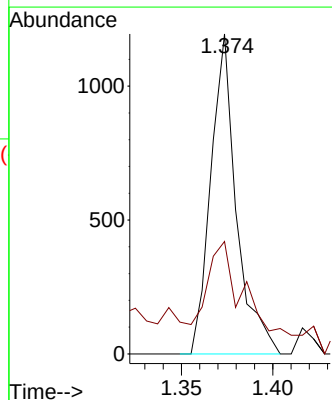
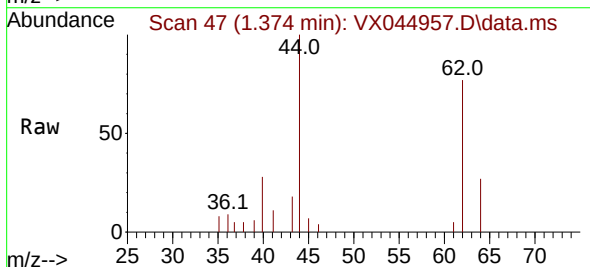
Manual Integrations
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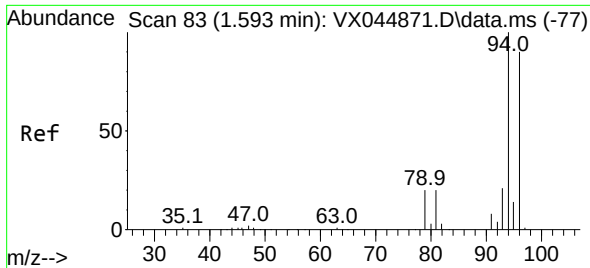
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#4
Vinyl Chloride
Concen: 0.633 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 62 Resp: 1162
Ion Ratio Lower Upper
62 100
64 27.2 25.4 38.0





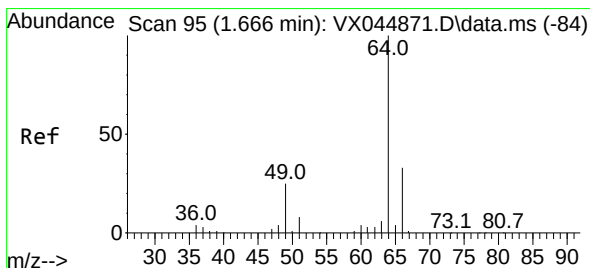
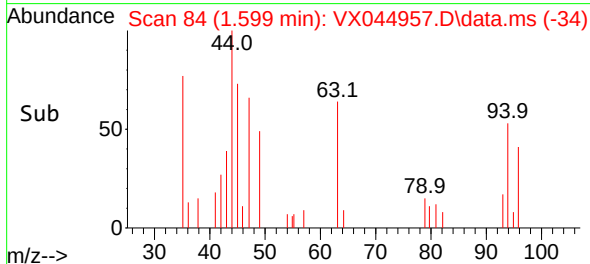
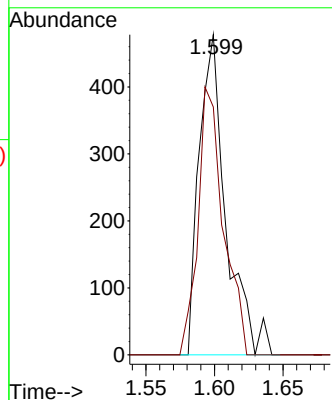
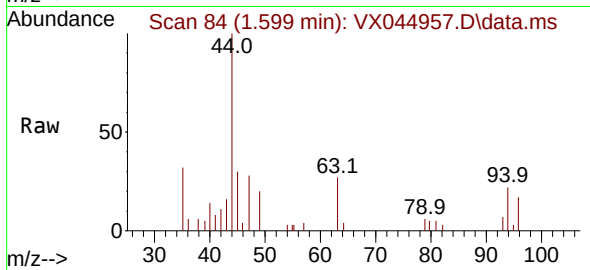
#5
Bromomethane
Concen: 1.181 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 94 Resp: 649
Ion Ratio Lower Upper
94 100
96 77.4 71.6 107.4

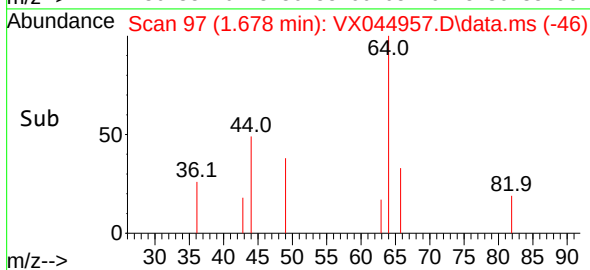
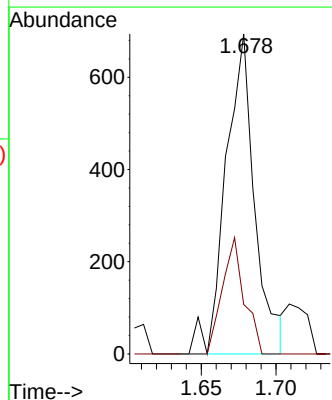
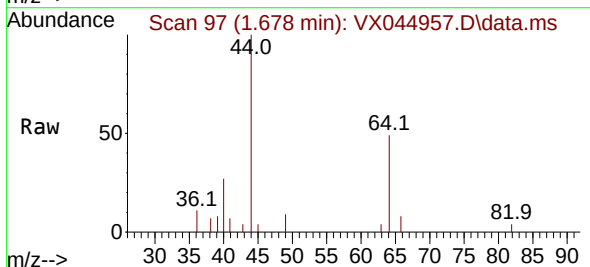
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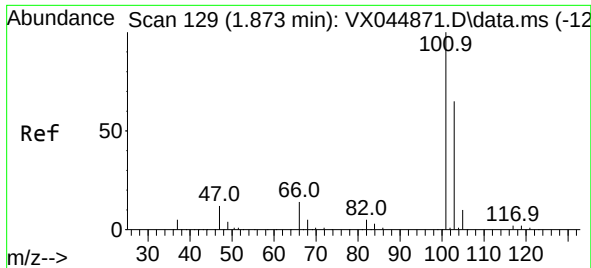
Reviewed By :John Carlone 02/18/2025
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#6
Chloroethane
Concen: 1.372 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

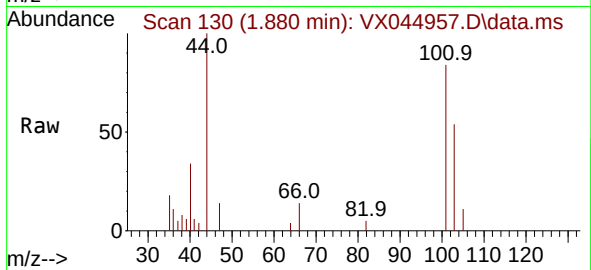
Tgt Ion: 64 Resp: 934
Ion Ratio Lower Upper
64 100
66 15.4 25.9 38.9#





#7
 Trichlorofluoromethane
 Concen: 0.787 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34

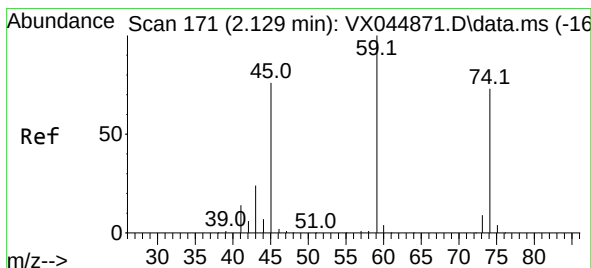
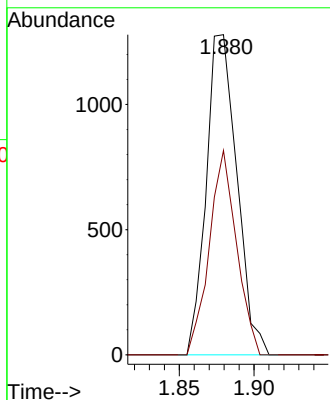
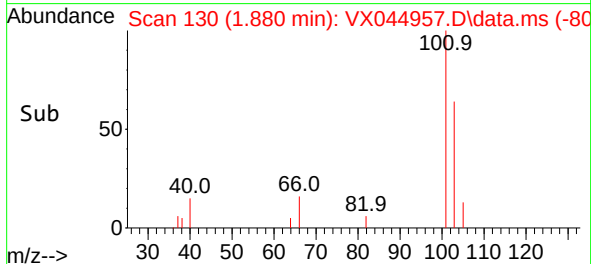
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025



Tgt Ion:101 Resp: 1829
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.4 78.6

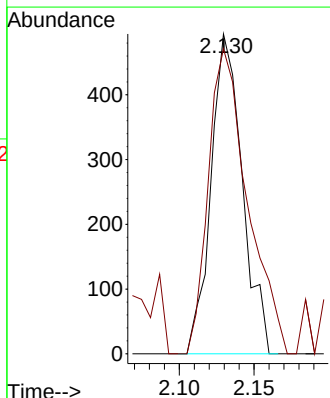
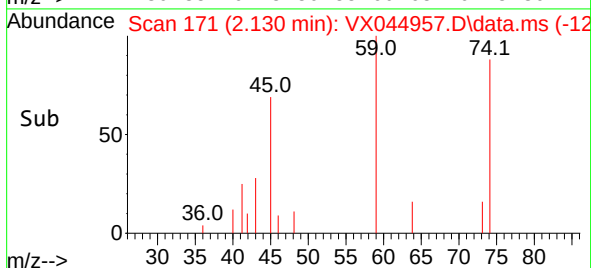
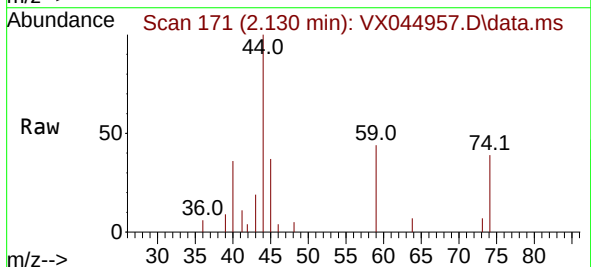
Manual Integrations
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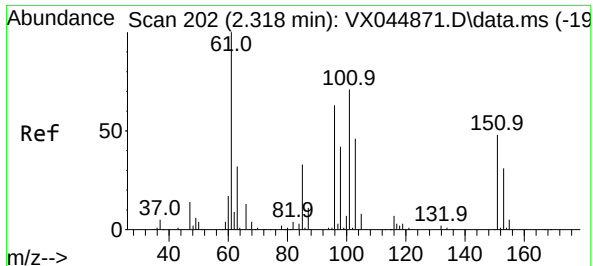
Reviewed By :John Carlone 02/18/2025
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#8
 Diethyl Ether
 Concen: 0.852 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34

Tgt Ion: 74 Resp: 718
 Ion Ratio Lower Upper
 74 100
 45 119.9 51.1 153.4





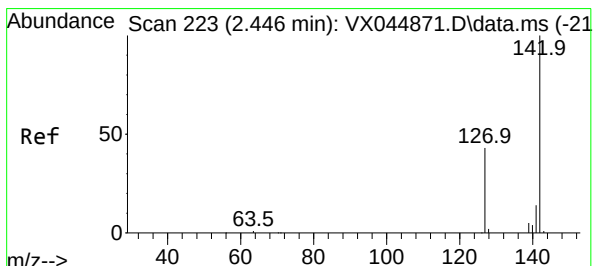
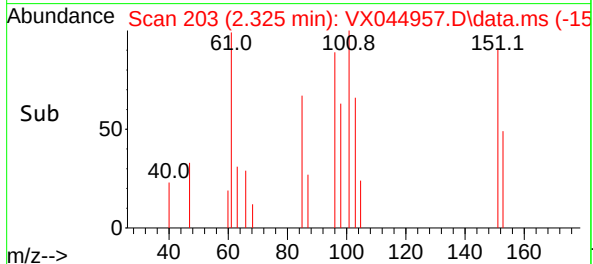
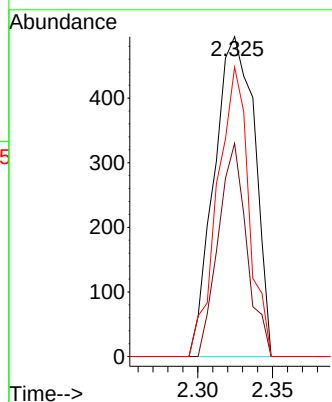
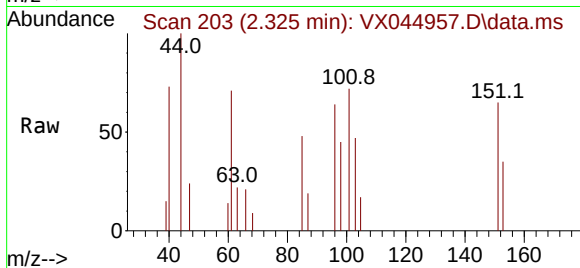
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.662 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:101 Resp: 929
Ion Ratio Lower Upper
101 100
85 47.1 35.7 53.5
151 70.7 56.0 84.0

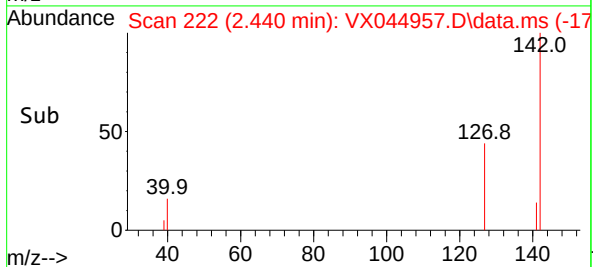
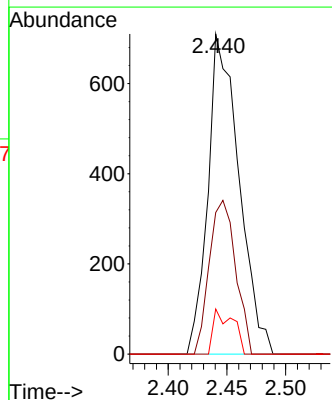
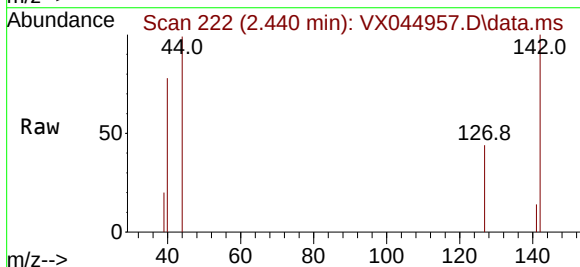
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APPROVED

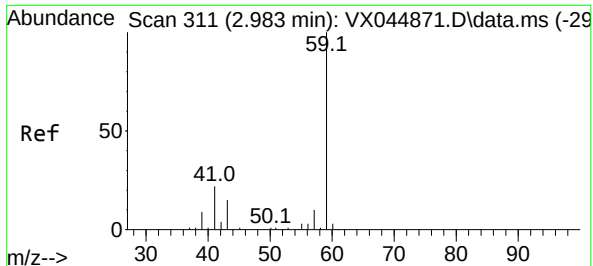
Reviewed By :John Carbone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#10
Methyl Iodide
Concen: 0.719 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:142 Resp: 1307
Ion Ratio Lower Upper
142 100
127 40.8 34.3 51.5
141 9.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 8.398 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.030 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

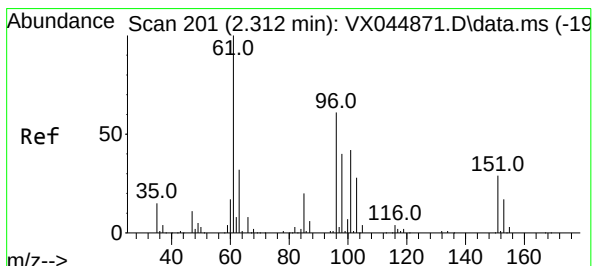
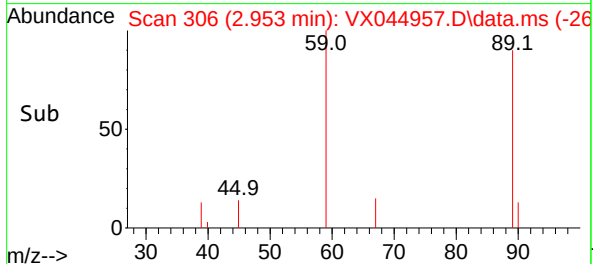
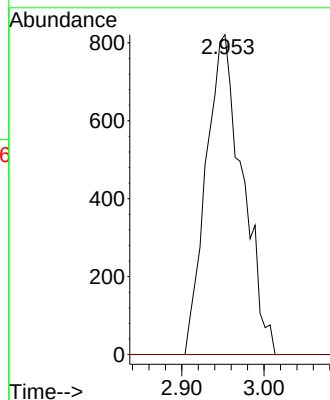
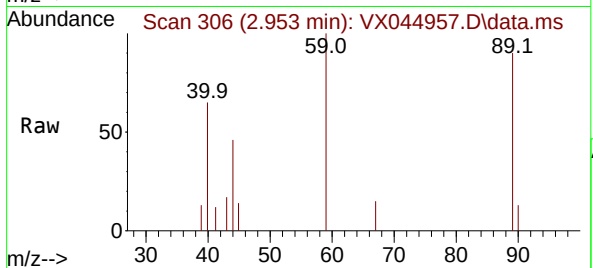
57 0.0 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#12

1,1-Dichloroethene

Concen: 0.746 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

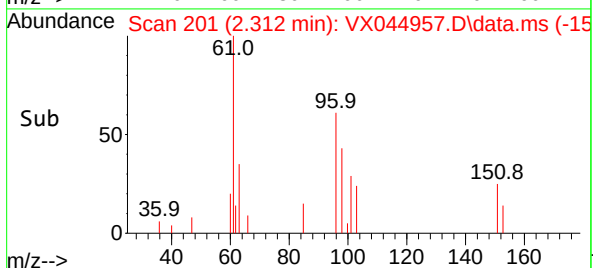
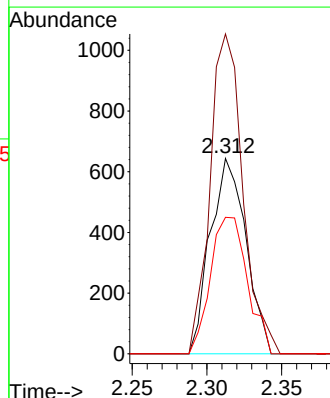
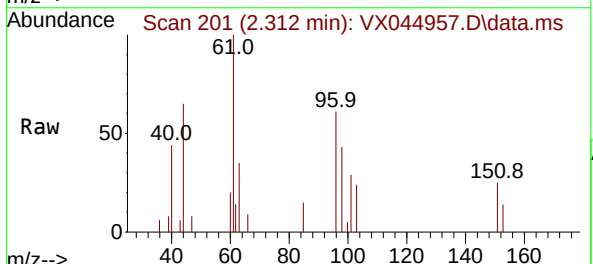
Tgt Ion: 96 Resp: 1068

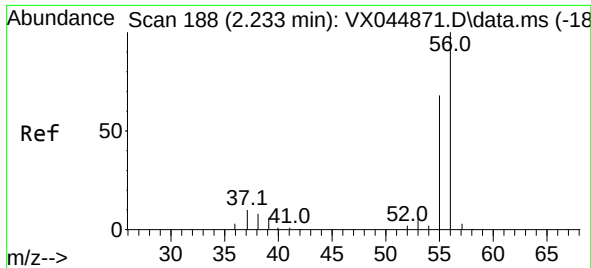
Ion Ratio Lower Upper

96 100

61 163.7 130.2 195.4

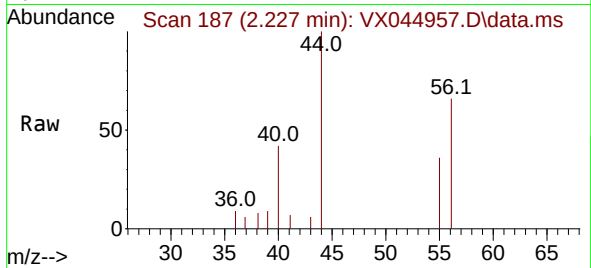
98 69.9 52.2 78.4





#13
Acrolein
Concen: 3.792 ug/l
RT: 2.227 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

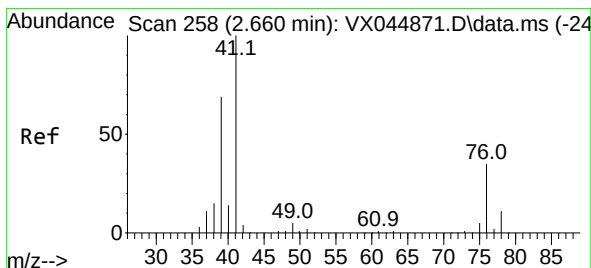
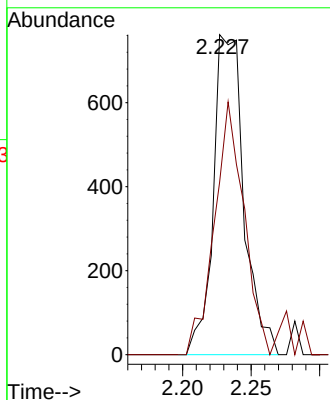
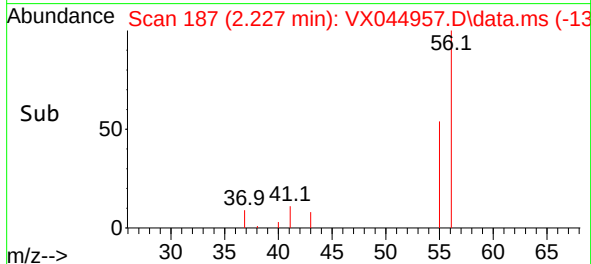
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



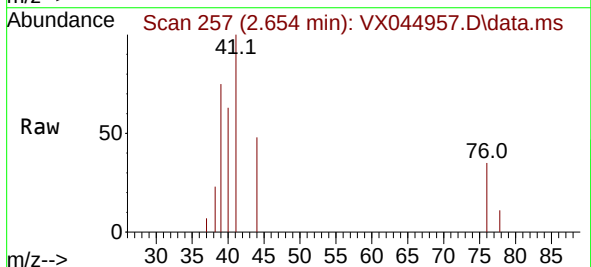
Tgt Ion: 56 Resp: 1180
Ion Ratio Lower Upper
56 100
55 76.5 55.7 83.5

Manual Integrations
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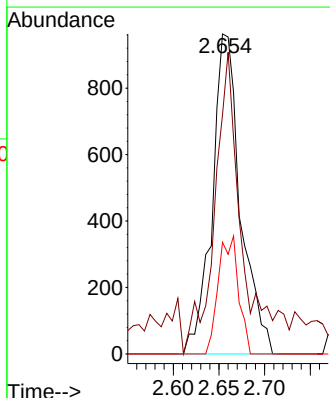
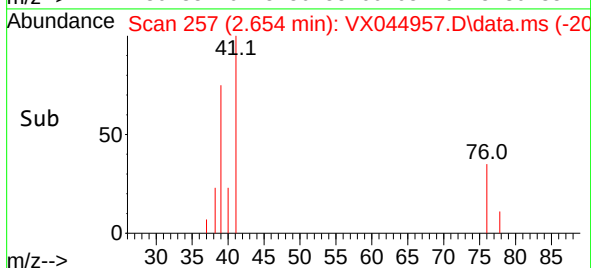
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

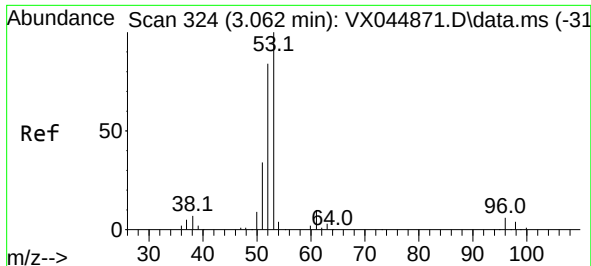


#14
Allyl chloride
Concen: 0.805 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



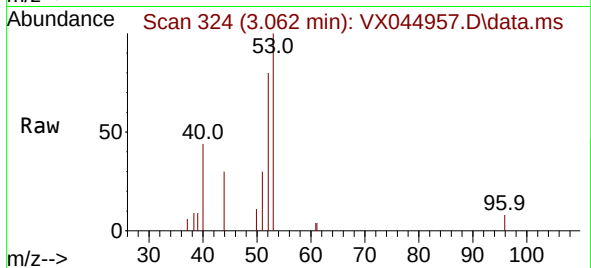
Tgt Ion: 41 Resp: 2083
Ion Ratio Lower Upper
41 100
39 91.8 51.4 77.2#
76 26.1 27.0 40.4#





#15
Acrylonitrile
Concen: 3.853 ug/l
RT: 3.062 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

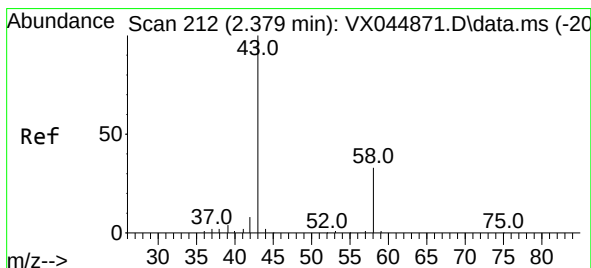
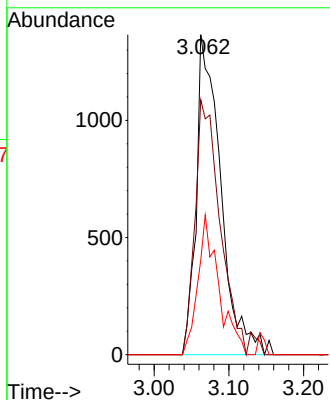
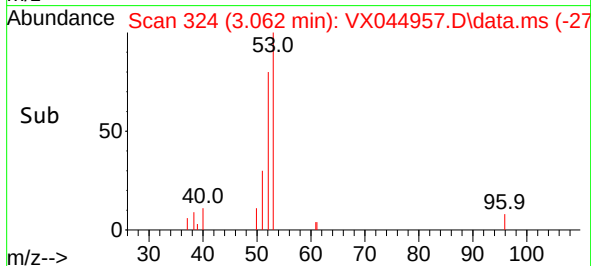
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 53 Resp: 310
Ion Ratio Lower Upper
53 100
52 81.1 65.0 97.6
51 37.3 28.0 42.0

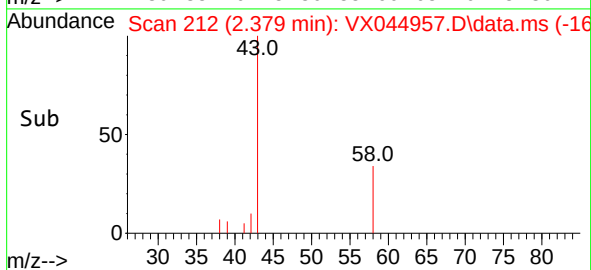
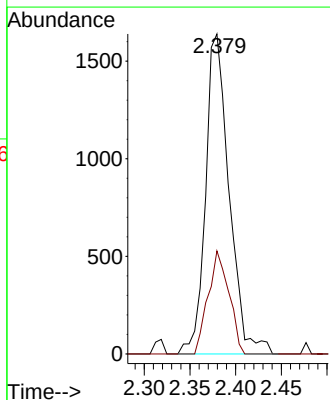
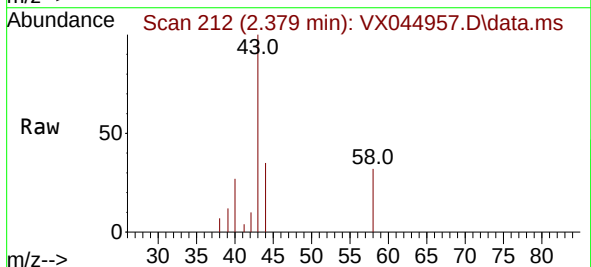
Manual Integrations
APPROVED

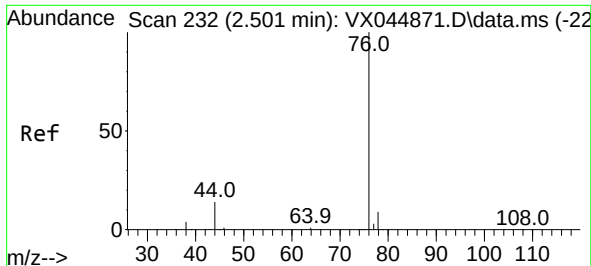
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#16
Acetone
Concen: 4.498 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

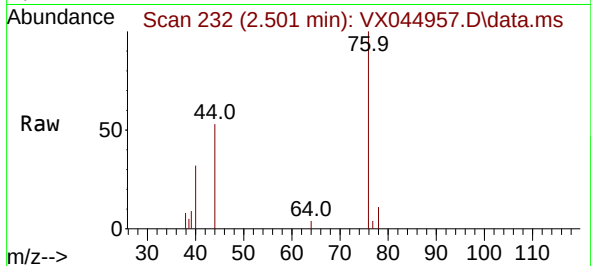
Tgt Ion: 43 Resp: 2940
Ion Ratio Lower Upper
43 100
58 32.2 26.5 39.7





#17
Carbon Disulfide
Concen: 0.674 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

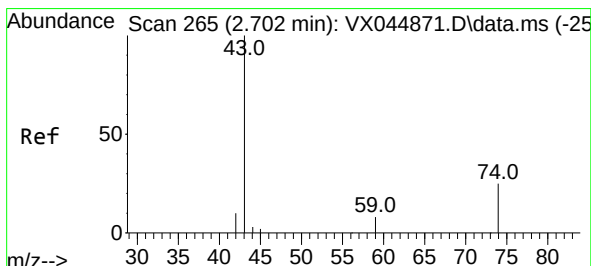
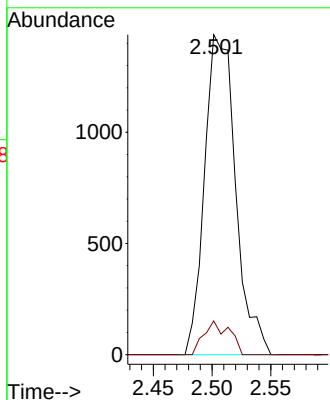
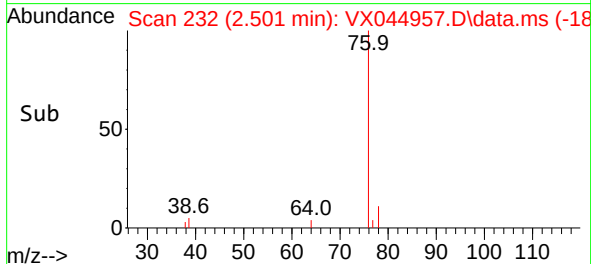
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



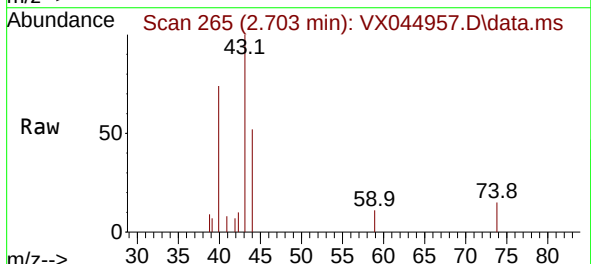
Tgt Ion: 76 Resp: 2644
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4

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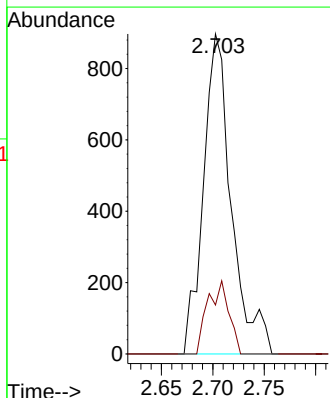
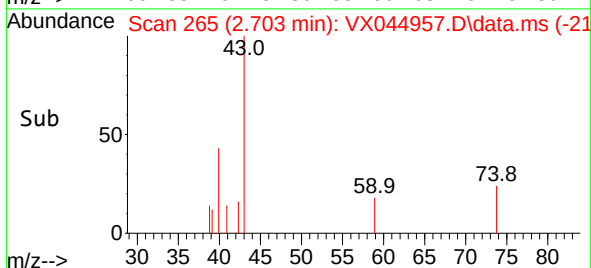
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

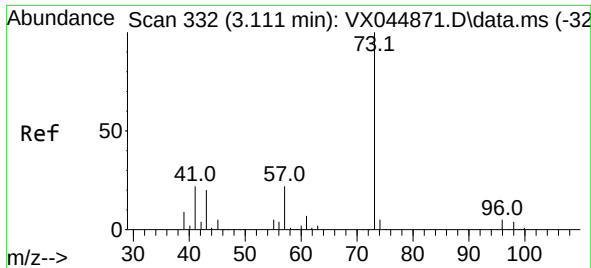


#18
Methyl Acetate
Concen: 0.825 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
74 17.3 18.9 28.3





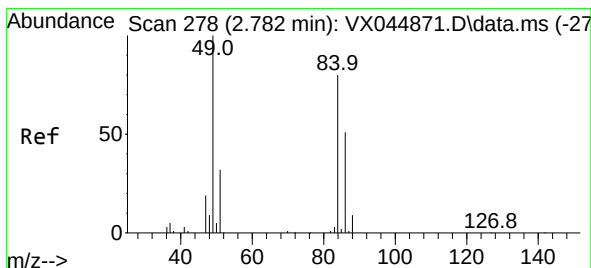
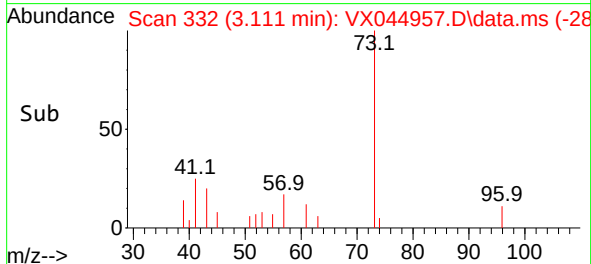
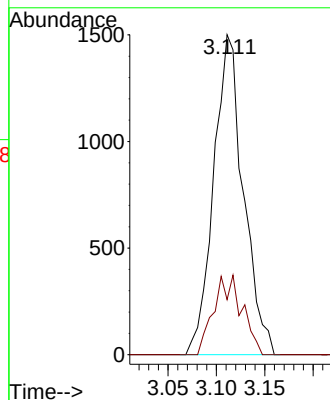
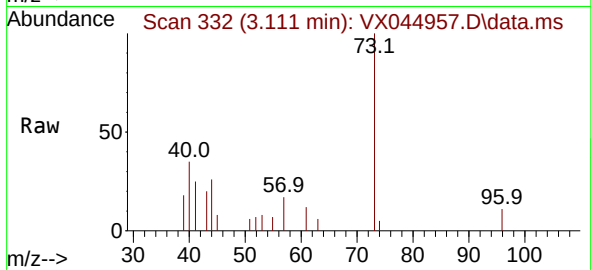
#19
Methyl tert-butyl Ether
Concen: 0.704 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 73 Resp: 3208
Ion Ratio Lower Upper
73 100
57 17.2 17.9 26.9

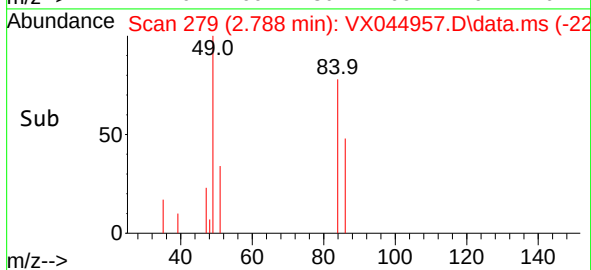
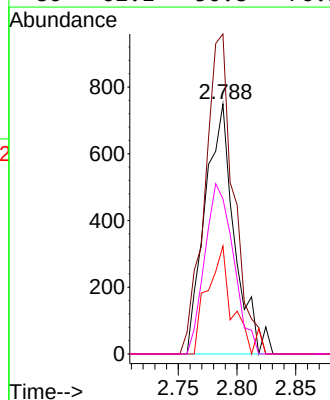
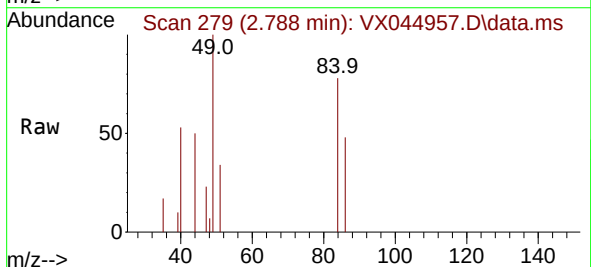
Manual Integrations
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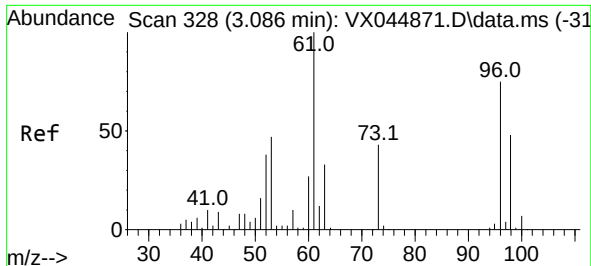
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#20
Methylene Chloride
Concen: 0.813 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

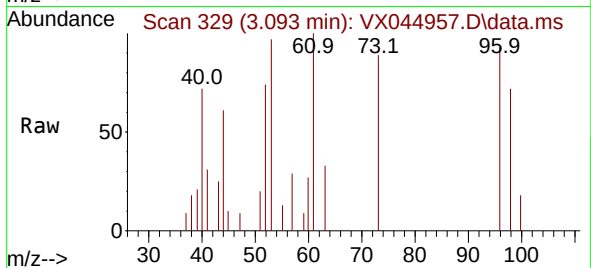
Tgt Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
49 128.0 100.1 150.1
51 43.1 31.7 47.5
86 62.1 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 0.772 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

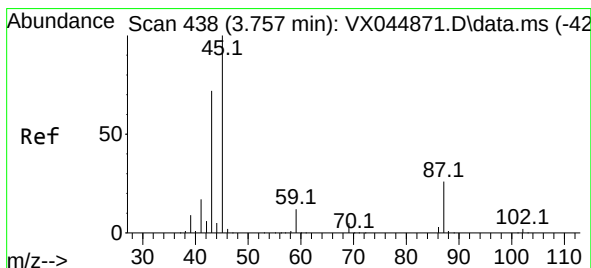
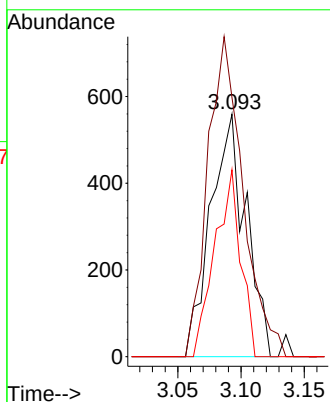
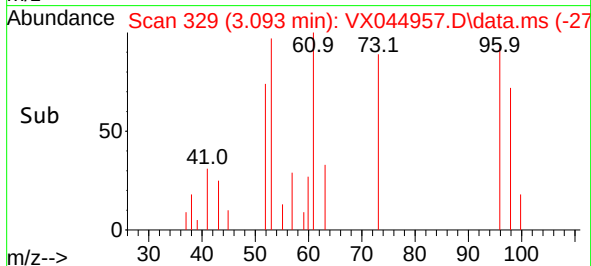
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



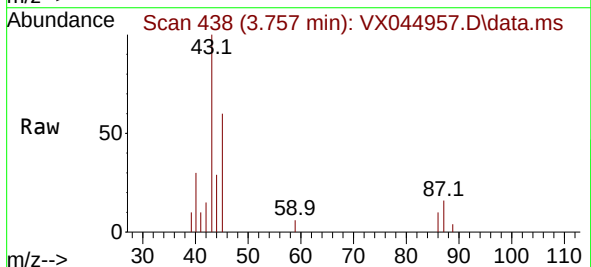
Tgt Ion: 96 Resp: 108
Ion Ratio Lower Upper
96 100
61 107.0 106.0 159.0
98 77.1 50.6 76.0

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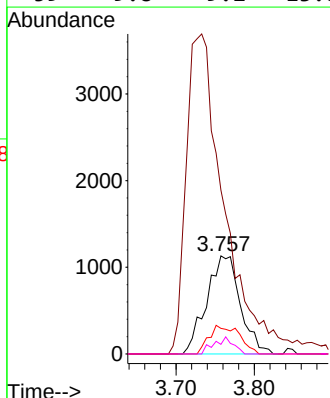
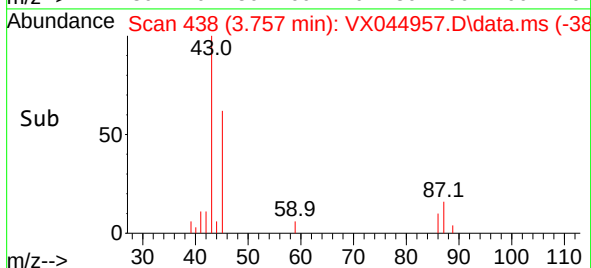
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

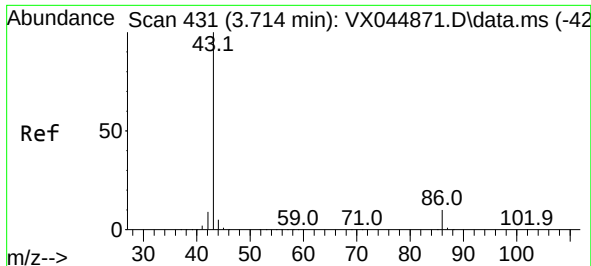


#22
Diisopropyl ether
Concen: 0.693 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion: 45 Resp: 3390
Ion Ratio Lower Upper
45 100
43 150.2 58.0 87.0#
87 26.1 20.7 31.1
59 9.8 9.2 13.8





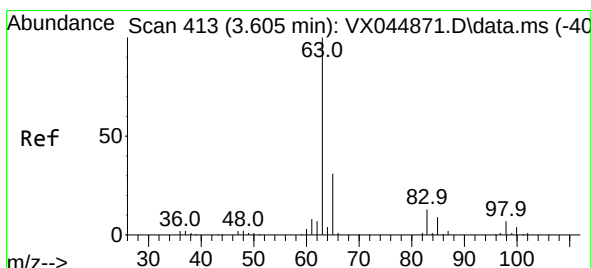
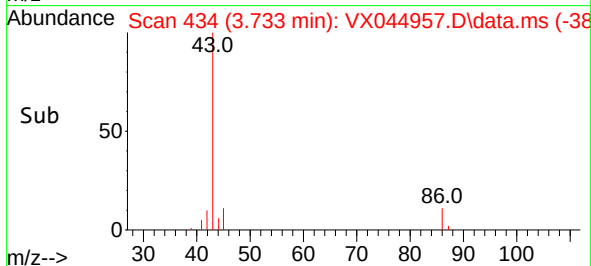
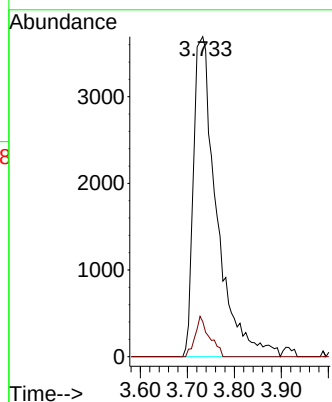
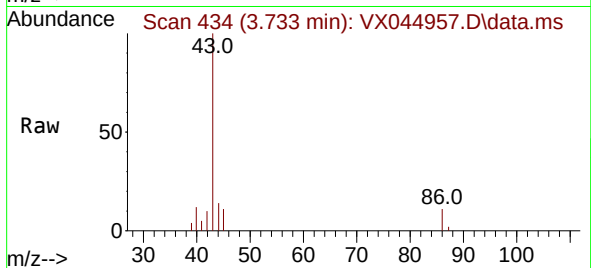
#23
 Vinyl Acetate
 Concen: 3.174 ug/l
 RT: 3.733 min Scan# 413
 Delta R.T. 0.018 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Tgt Ion: 43 Resp: 12664
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5

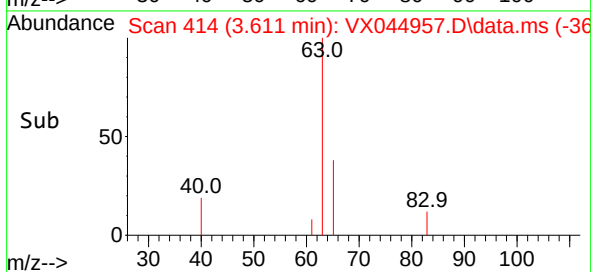
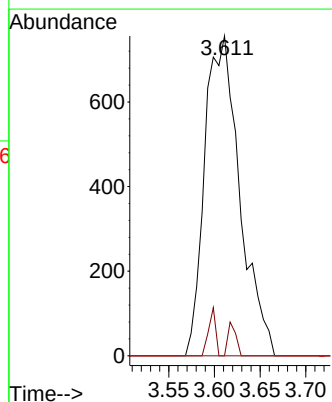
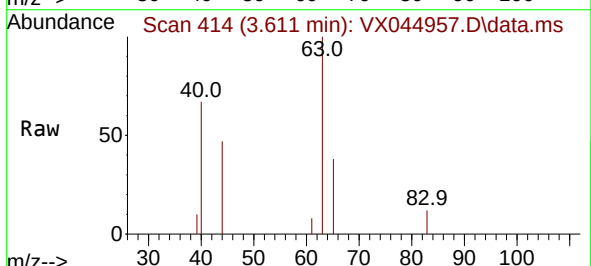
Manual Integrations
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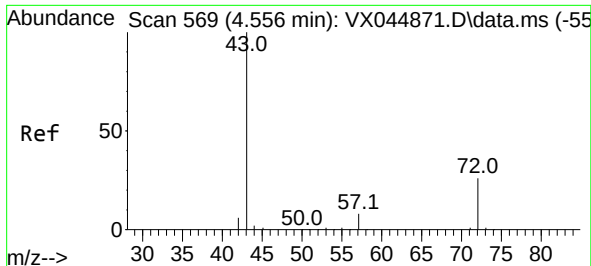
Reviewed By :John Carlone 02/18/2025
 Supervised By :Mahesh Dadoda 02/19/2025



#24
 1,1-Dichloroethane
 Concen: 0.735 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34

Tgt Ion: 63 Resp: 2014
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.1 6.5#





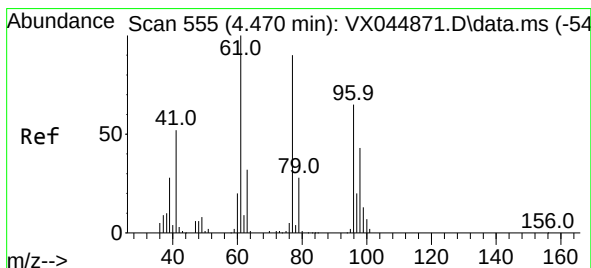
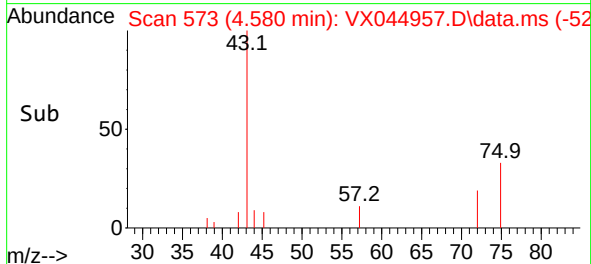
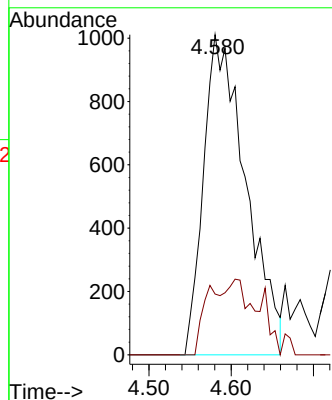
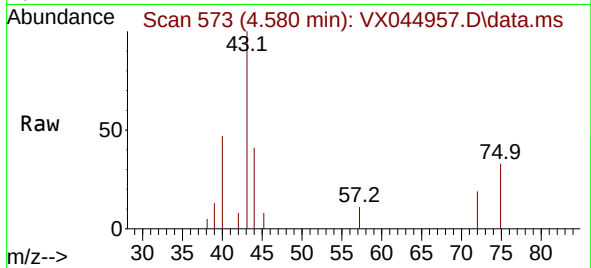
#25
2-Butanone
Concen: 3.403 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
72 19.0 21.2 31.8

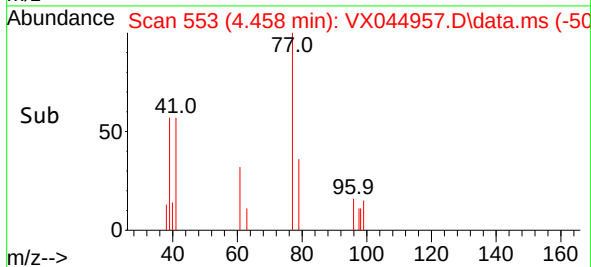
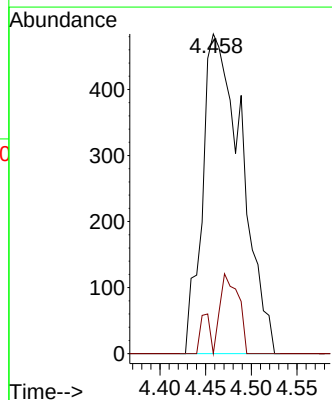
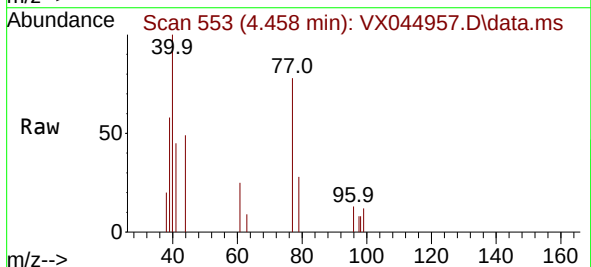
Manual Integrations
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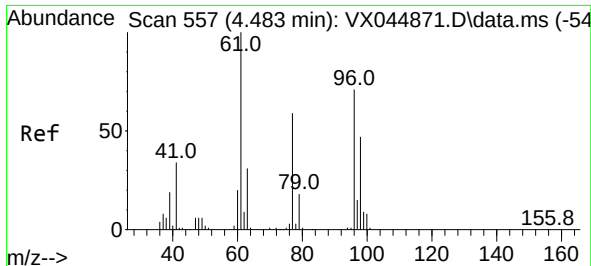
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#26
2,2-Dichloropropane
Concen: 0.666 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 77 Resp: 1446
Ion Ratio Lower Upper
77 100
97 3.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 0.679 ug/l m

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

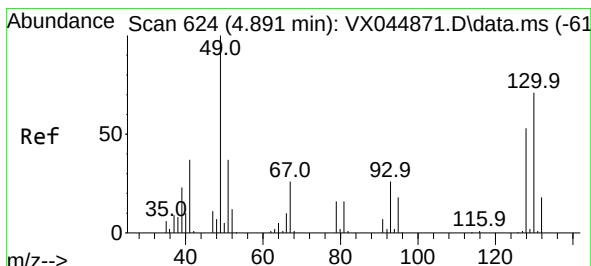
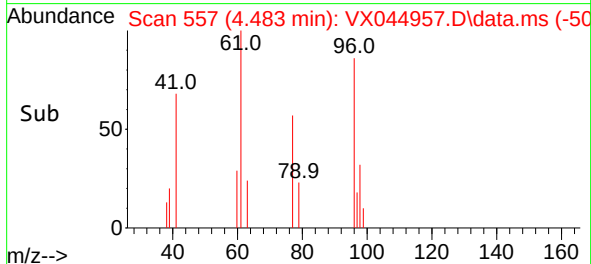
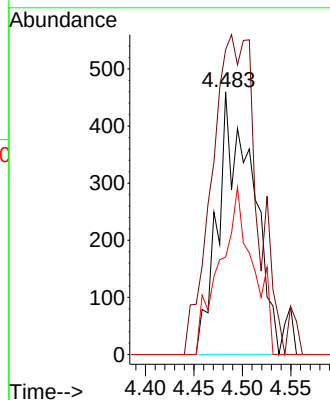
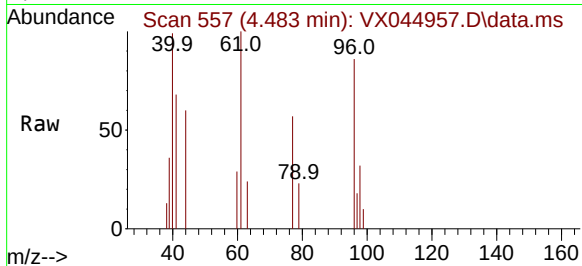
Tgt Ion: 96	Resp: 1149
Ion Ratio	Lower Upper
96 100	
61 157.9	0.0 294.0
98 61.5	0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#28

Bromochloromethane

Concen: 0.624 ug/l

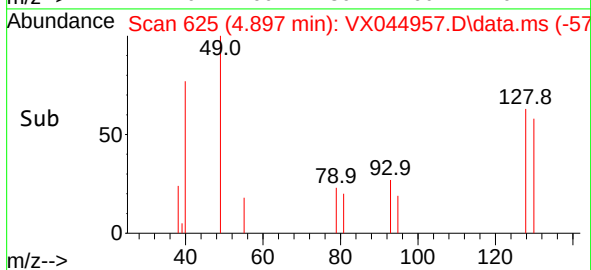
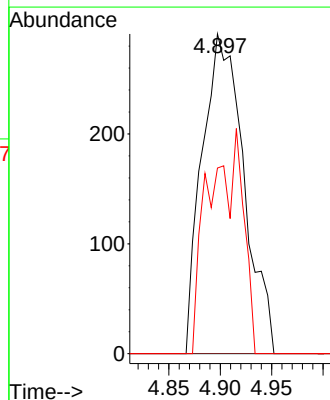
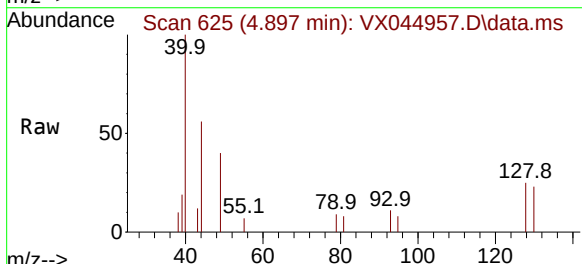
RT: 4.897 min Scan# 625

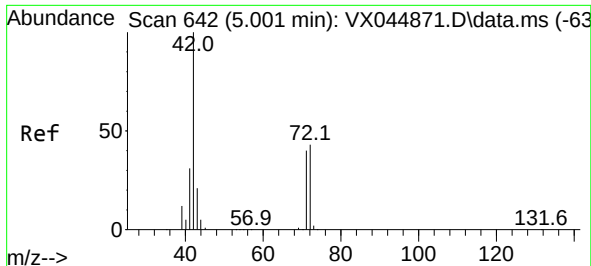
Delta R.T. 0.006 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Tgt Ion: 49	Resp: 821
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 3.6
130 38.7	56.7 85.1#





#29

Tetrahydrofuran

Concen: 3.985 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

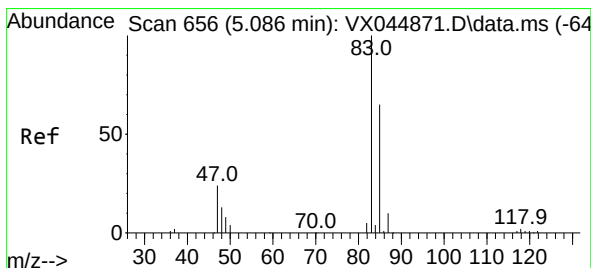
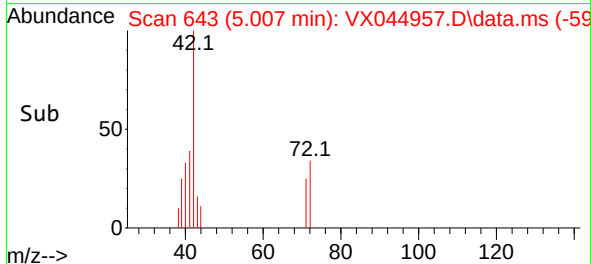
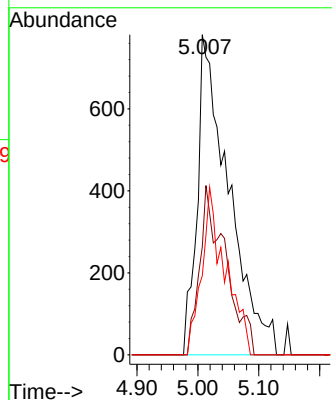
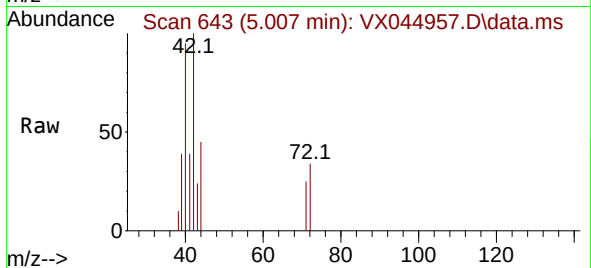
Tgt Ion: 42	Resp: 280
Ion Ratio	Lower Upper
42 100	
72 43.8	35.0 52.4
71 39.4	32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#30

Chloroform

Concen: 0.718 ug/l

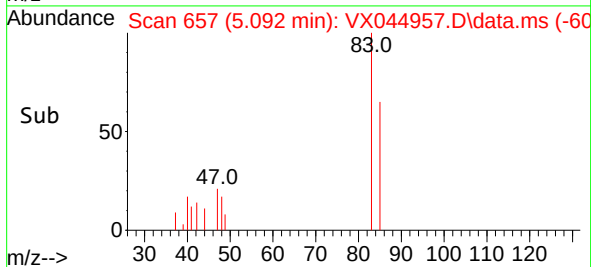
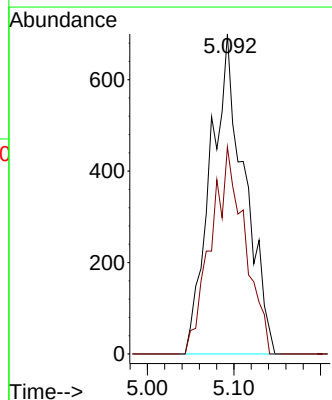
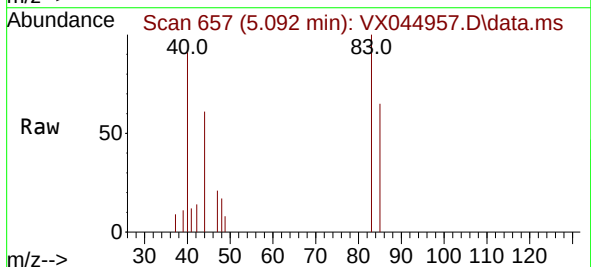
RT: 5.092 min Scan# 657

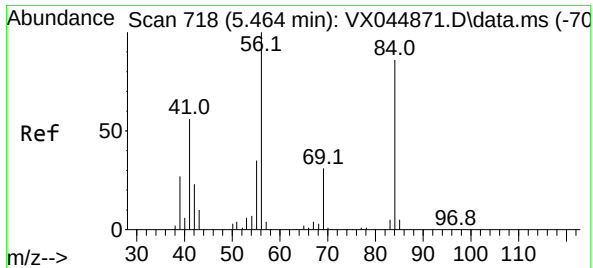
Delta R.T. 0.006 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Tgt Ion: 83	Resp: 1906
Ion Ratio	Lower Upper
83 100	
85 64.7	52.1 78.1





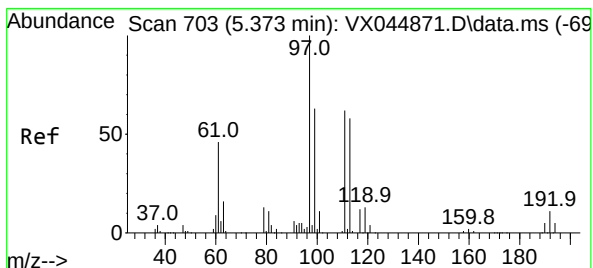
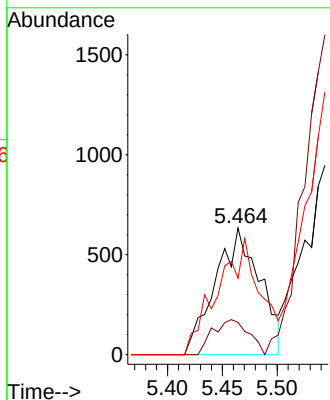
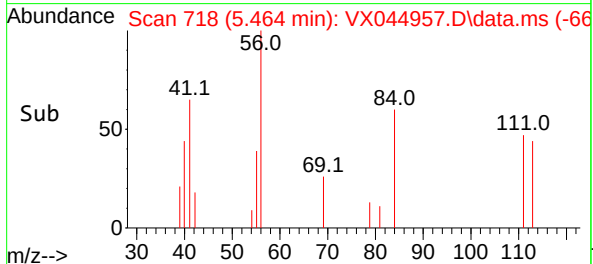
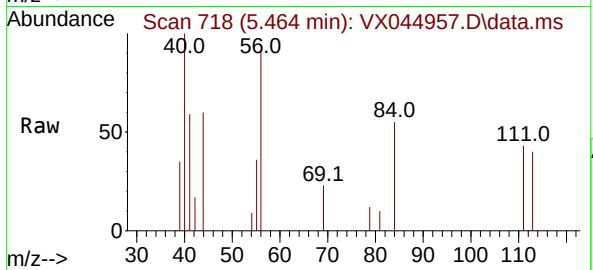
#31
Cyclohexane
Concen: 0.711 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 56 Resp: 1790
Ion Ratio Lower Upper
56 100
69 25.6 24.4 36.6
84 60.4 69.0 103.6

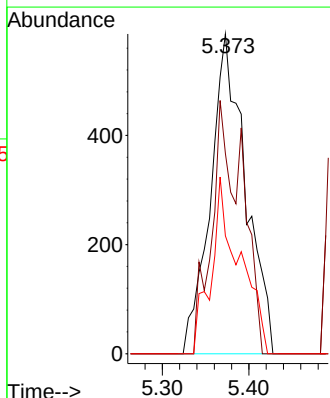
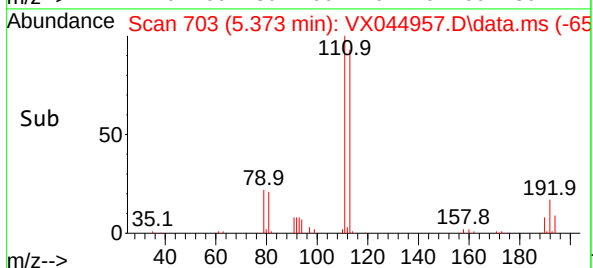
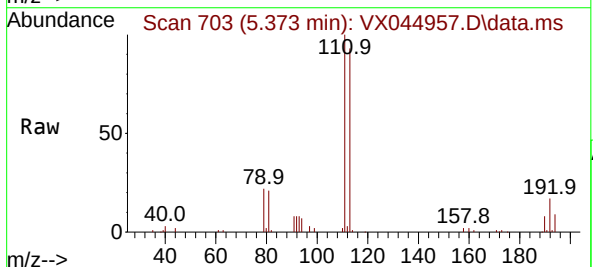
Manual Integrations
APPROVED

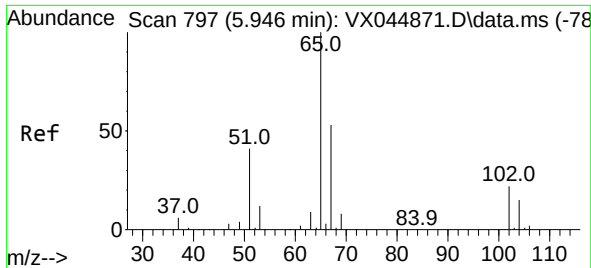
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#32
1,1,1-Trichloroethane
Concen: 0.732 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 97 Resp: 1648
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.6#
61 45.0 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 45.196 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

Tgt Ion: 65 Resp: 73478

Ion Ratio Lower Upper

65 100

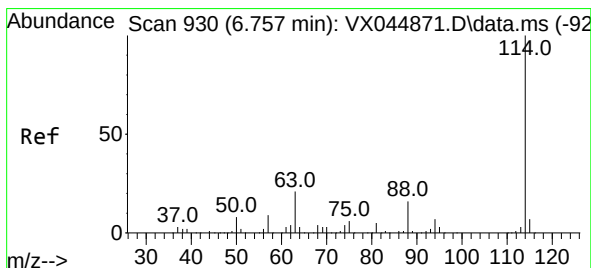
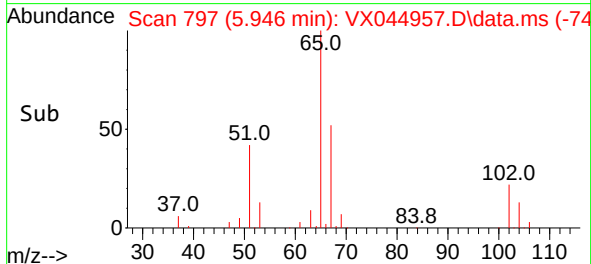
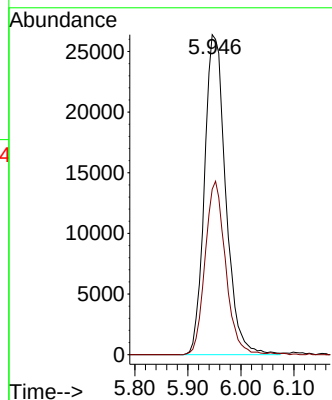
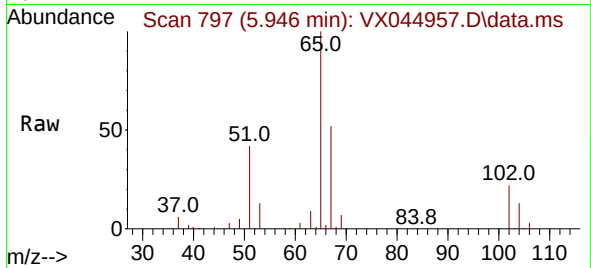
67 52.0 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

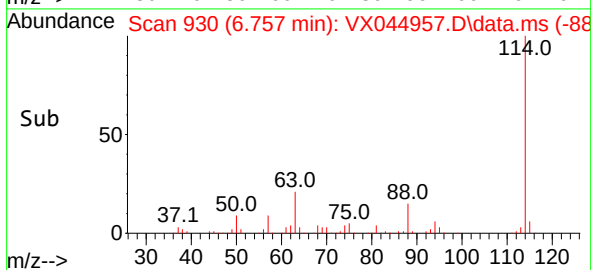
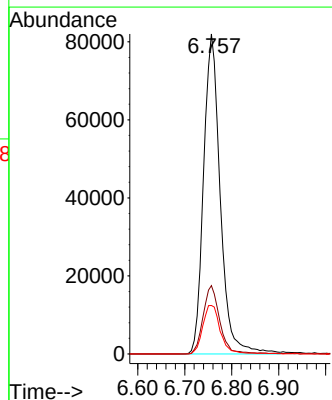
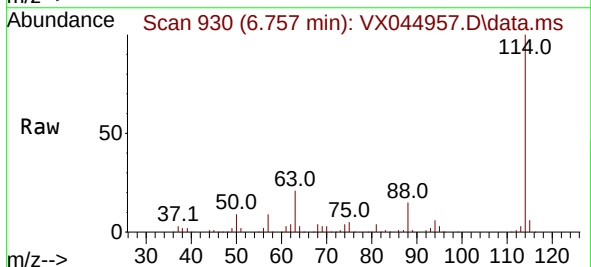
Tgt Ion:114 Resp: 202126

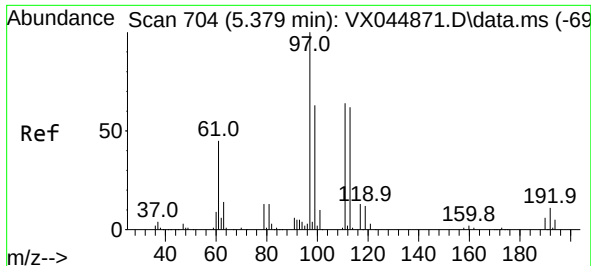
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

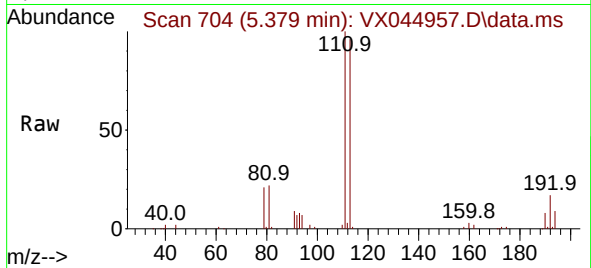
88 15.2 0.0 31.4





#35
Dibromofluoromethane
Concen: 43.768 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

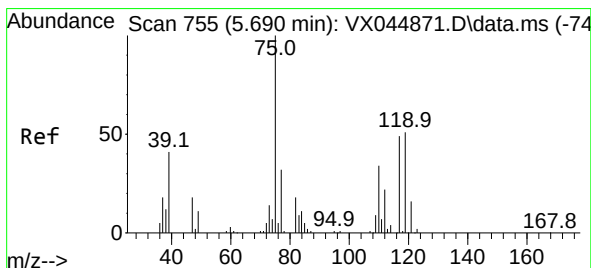
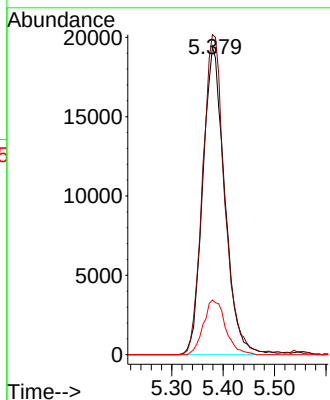
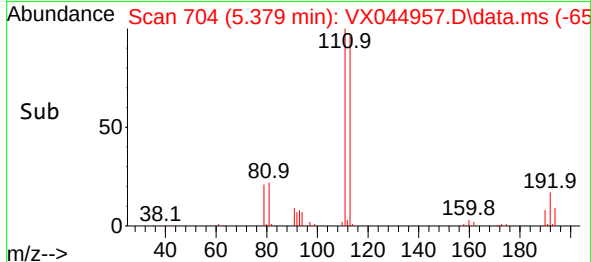
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



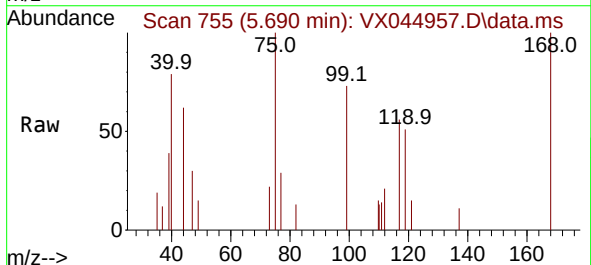
Tgt Ion: 113 Resp: 57518
Ion Ratio Lower Upper
113 100
111 104.3 83.5 125.3
192 17.8 14.4 21.6

Manual Integrations
APPROVED

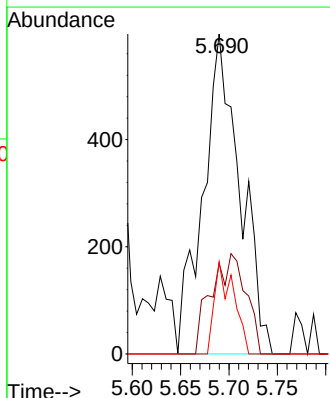
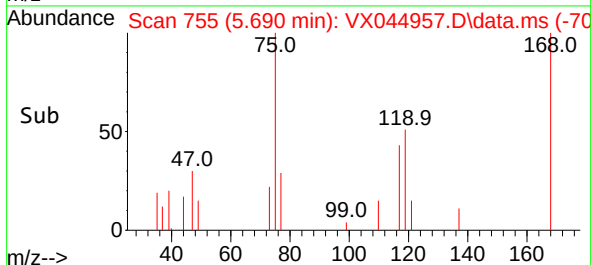
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

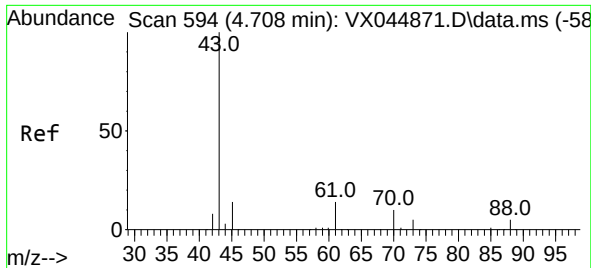


#36
1,1-Dichloropropene
Concen: 0.839 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion: 75 Resp: 1590
Ion Ratio Lower Upper
75 100
110 29.3 17.2 51.6
77 14.9 24.6 37.0#





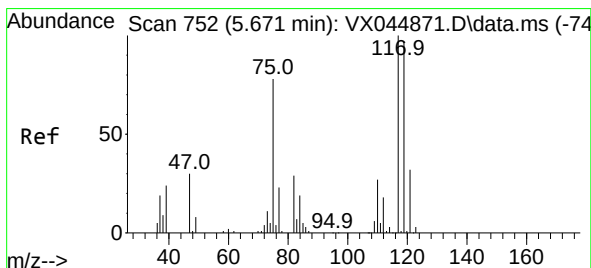
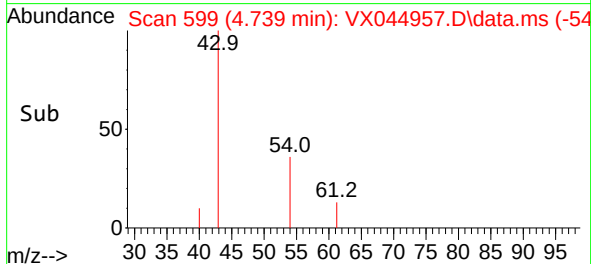
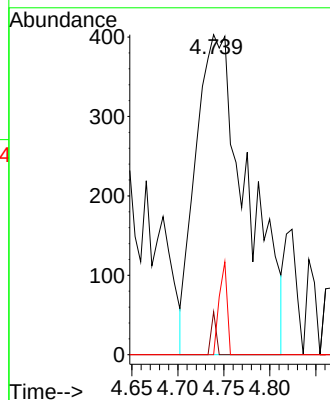
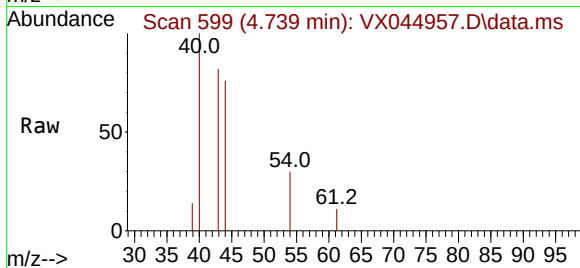
#37
Ethyl Acetate
Concen: 0.748 ug/l m
RT: 4.739 min Scan# 594
Delta R.T. 0.031 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4
70 4.4 8.2 12.2

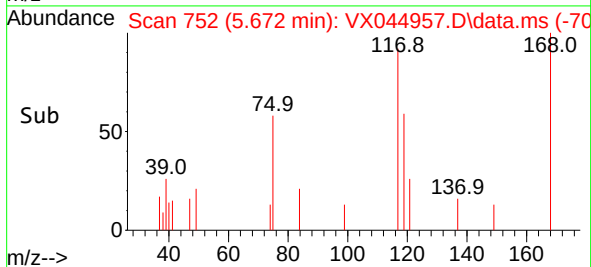
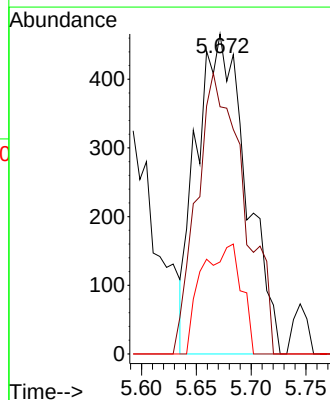
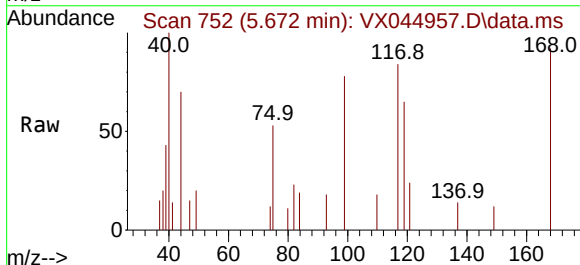
Manual Integrations
APPROVED

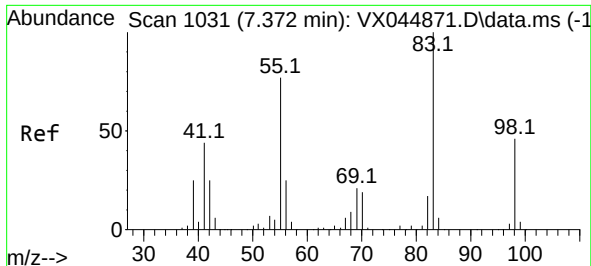
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#38
Carbon Tetrachloride
Concen: 0.793 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:117 Resp: 1473
Ion Ratio Lower Upper
117 100
119 77.3 77.5 116.3#
121 28.8 25.6 38.4





#39

Methylcyclohexane

Concen: 0.673 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

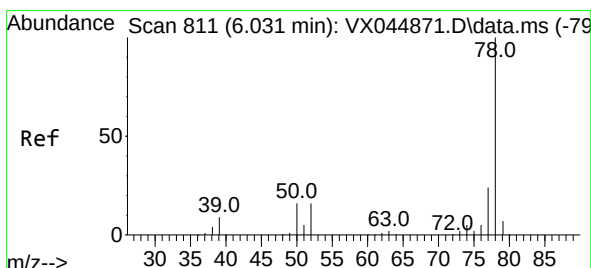
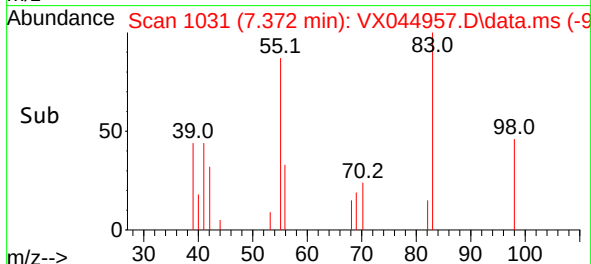
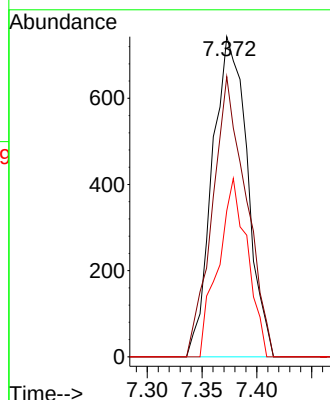
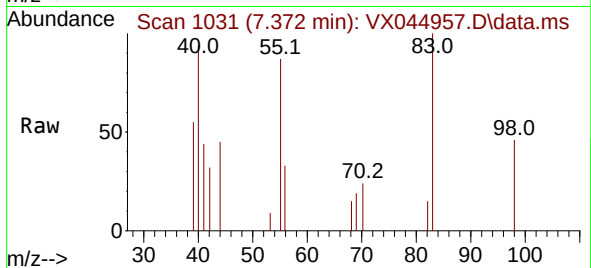
MDL-WATER-03-QT1-2025

Tgt Ion: 83 Resp: 1649

Ion	Ratio	Lower	Upper
83	100		
55	87.5	61.3	91.9
98	45.6	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#40

Benzene

Concen: 0.719 ug/l

RT: 6.043 min Scan# 813

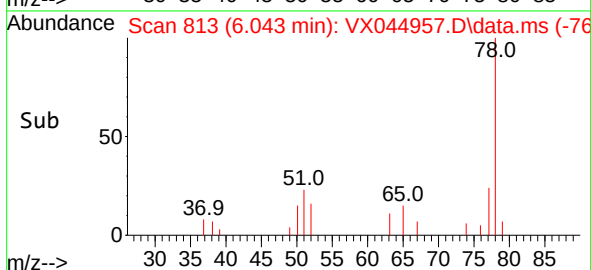
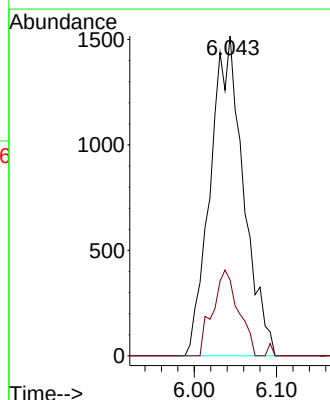
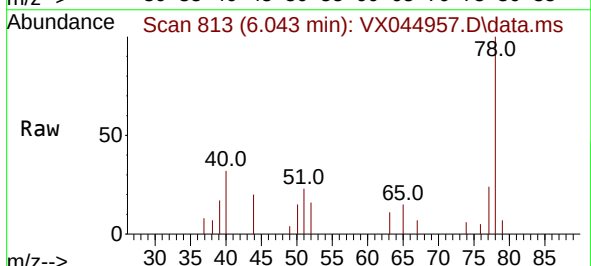
Delta R.T. 0.012 min

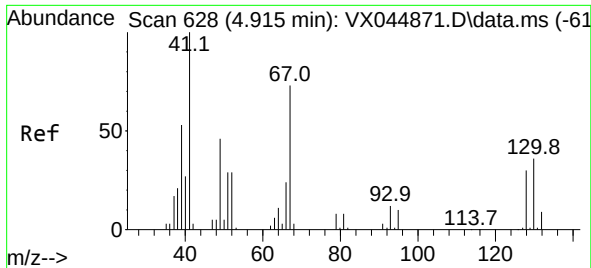
Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Tgt Ion: 78 Resp: 4256

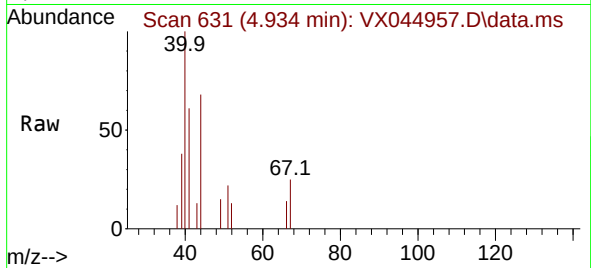
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41
Methacrylonitrile
Concen: 0.749 ug/l m
RT: 4.934 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

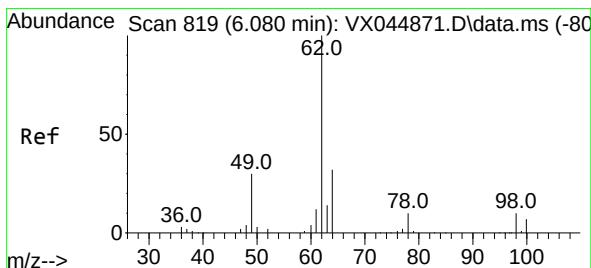
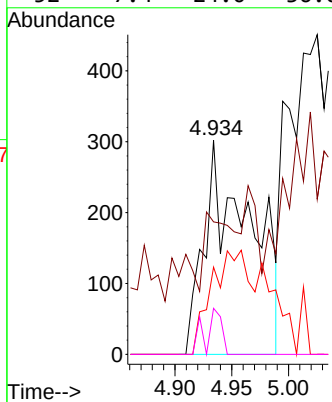
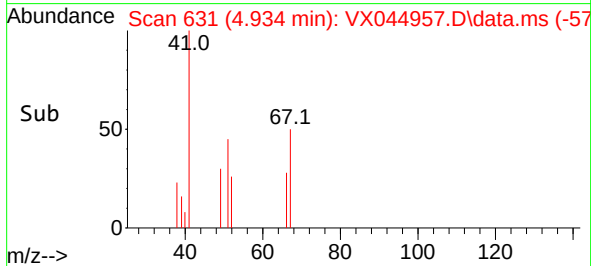
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 41 Resp: 840
Ion Ratio Lower Upper
41 100
39 20.9 43.1 64.7
67 0.0 57.0 85.6
52 7.4 24.0 36.0

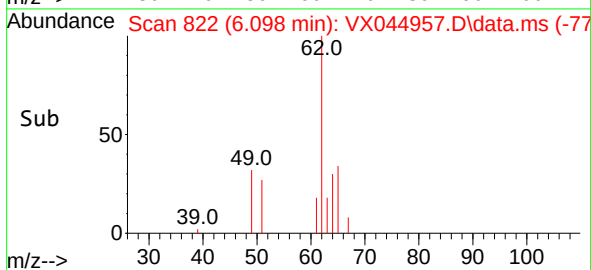
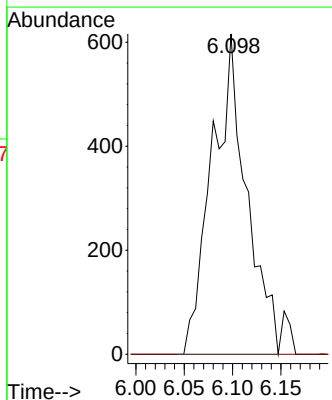
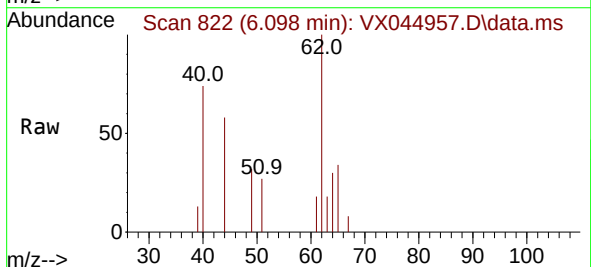
Manual Integrations
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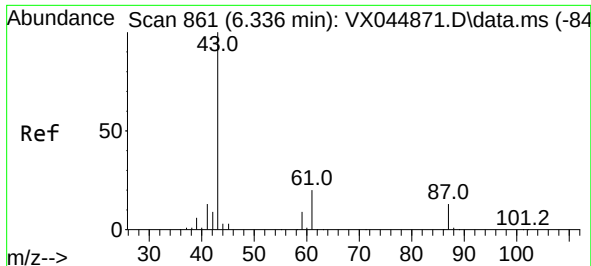
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#42
1,2-Dichloroethane
Concen: 0.811 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

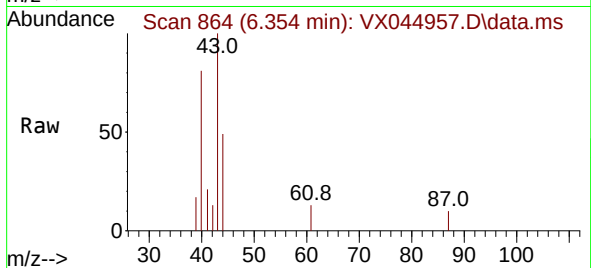
Tgt Ion: 62 Resp: 1531
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43
Isopropyl Acetate
Concen: 0.606 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

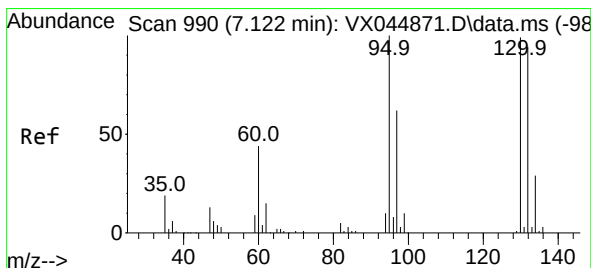
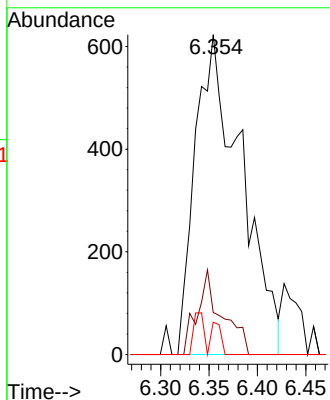
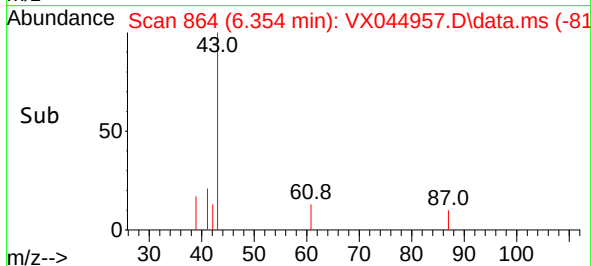
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



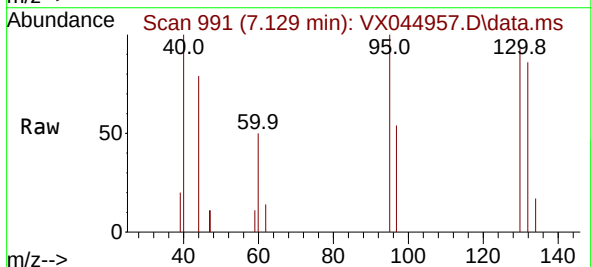
Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
61 14.2 15.8 23.8
87 2.1 10.0 15.0

Manual Integrations
APPROVED

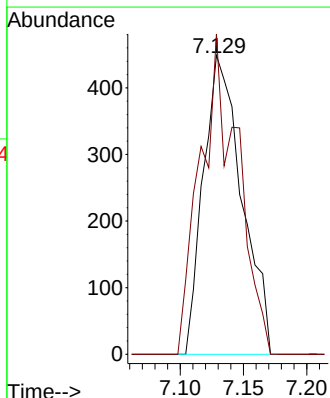
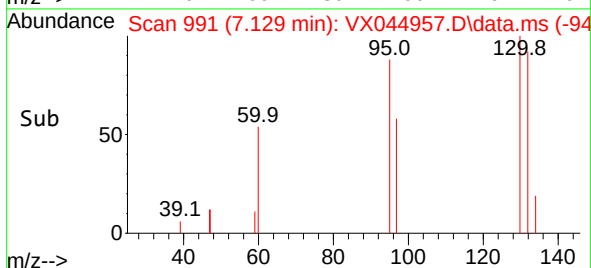
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

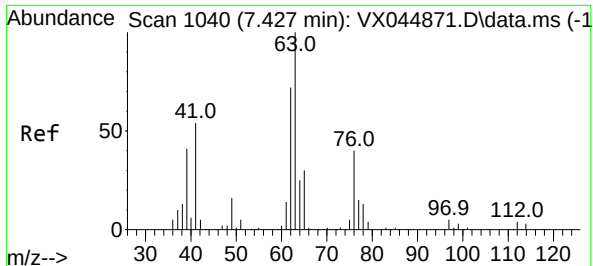


#44
Trichloroethene
Concen: 0.703 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion:130 Resp: 951
Ion Ratio Lower Upper
130 100
95 107.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 0.675 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

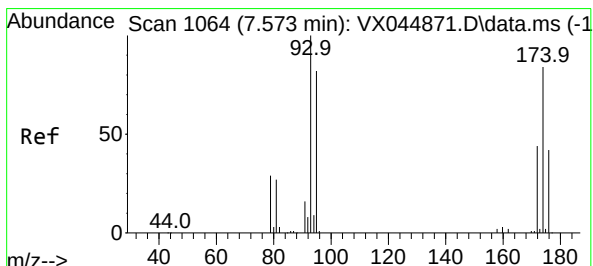
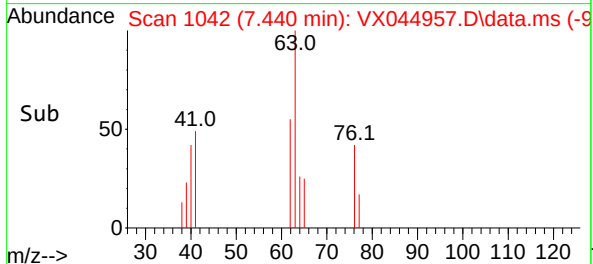
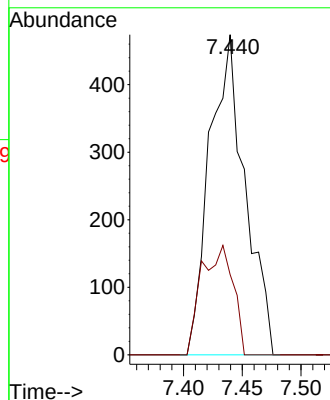
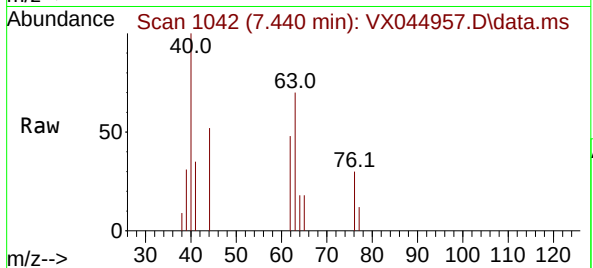
Tgt Ion: 63 Resp: 994
 Ion Ratio Lower Upper
 63 100
 65 25.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#46

Dibromomethane

Concen: 0.723 ug/l

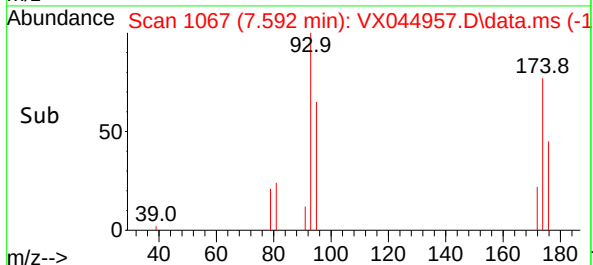
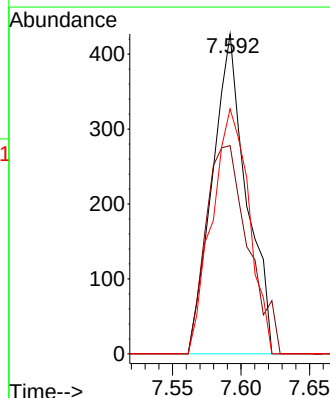
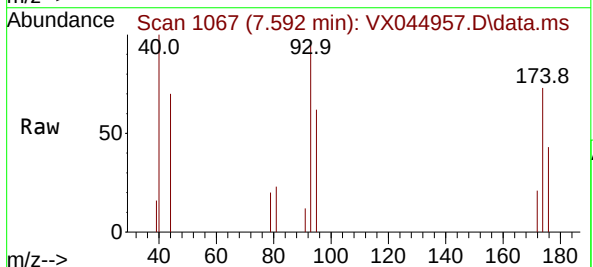
RT: 7.592 min Scan# 1067

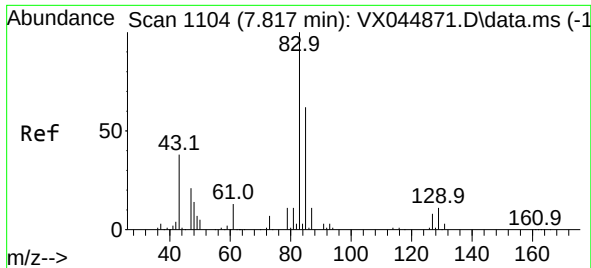
Delta R.T. 0.018 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

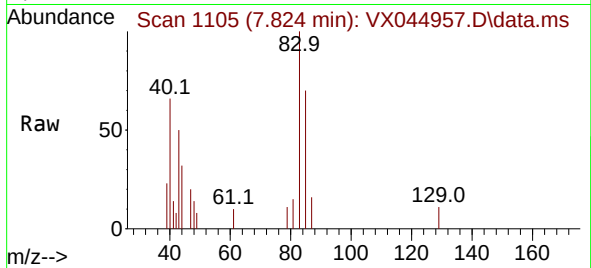
Tgt Ion: 93 Resp: 738
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.2 99.4
 174 83.5 69.9 104.9





#47
Bromodichloromethane
Concen: 0.738 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

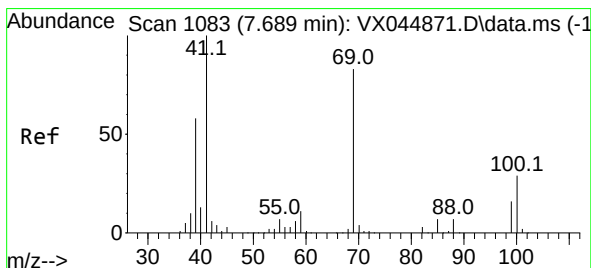
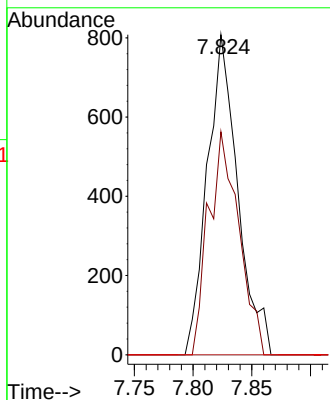
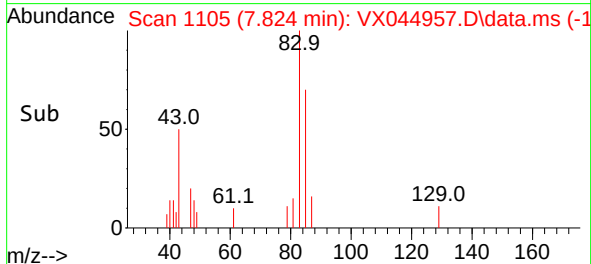
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



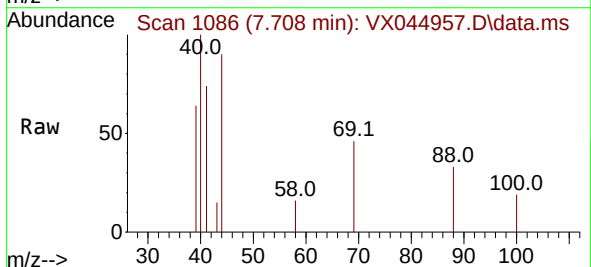
Tgt Ion: 83 Resp: 1460
Ion Ratio Lower Upper
83 100
85 69.7 50.0 75.0
127 0.0 6.4 9.6

Manual Integrations
APPROVED

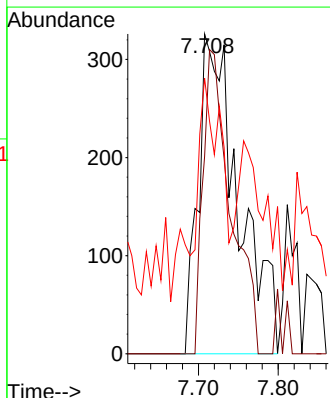
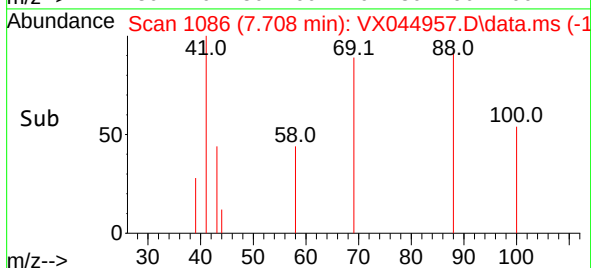
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

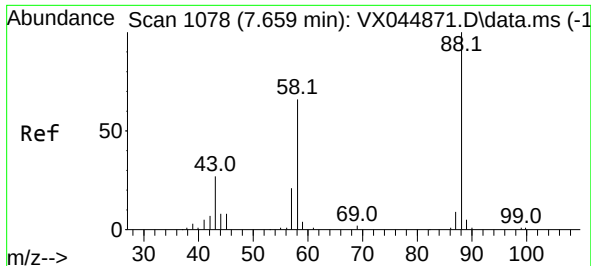


#48
Methyl methacrylate
Concen: 0.709 ug/l m
RT: 7.708 min Scan# 1086
Delta R.T. 0.018 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion: 41 Resp: 1139
Ion Ratio Lower Upper
41 100
69 65.7 65.8 98.8#
39 32.0 46.4 69.6#





#49

1,4-Dioxane

Concen: 12.975 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

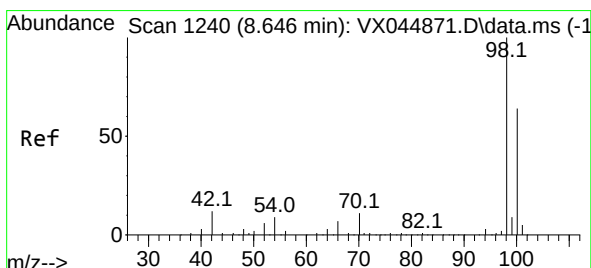
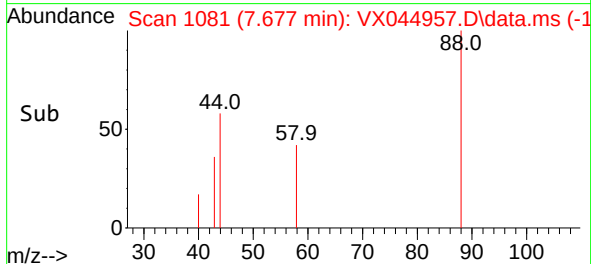
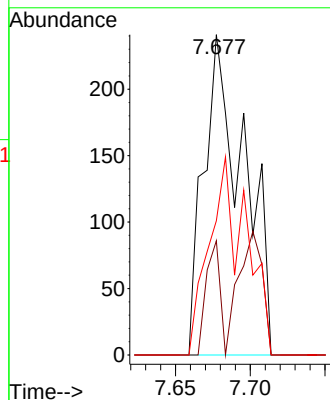
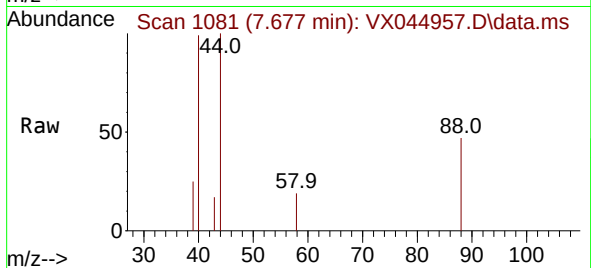
Tgt Ion: 88	Resp: 44
Ion Ratio	Lower Upper
88 100	
43 12.3	26.6 39.8
58 56.8	55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 41.836 ug/l

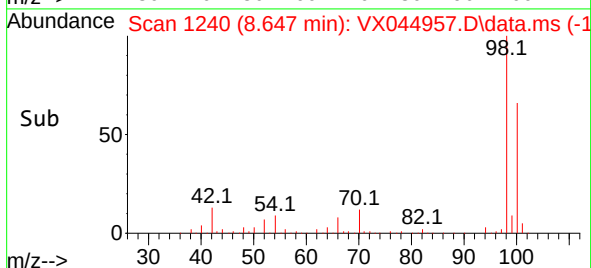
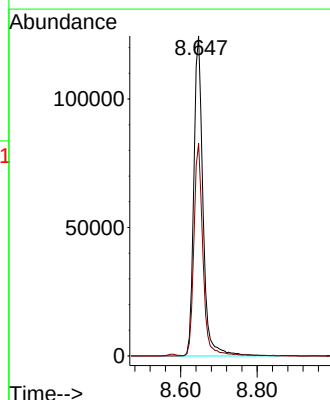
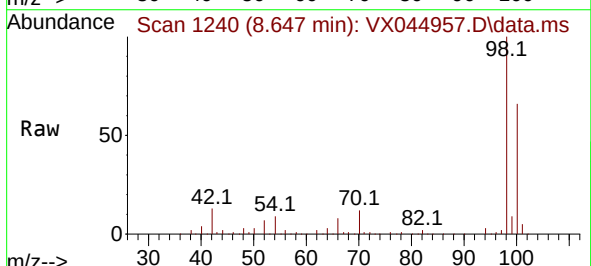
RT: 8.647 min Scan# 1240

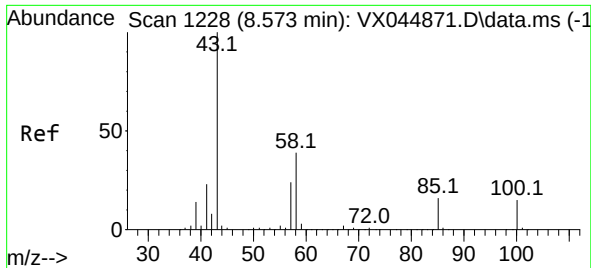
Delta R.T. 0.000 min

Lab File: VX044957.D

Acq: 14 Feb 2025 13:34

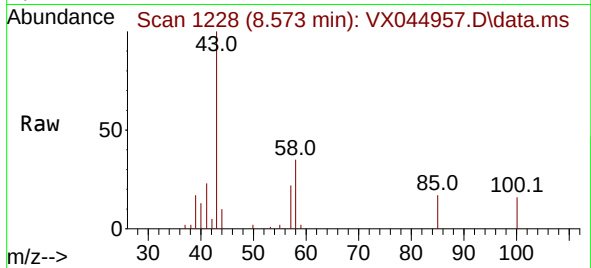
Tgt Ion: 98	Resp: 207896
Ion Ratio	Lower Upper
98 100	
100 64.7	52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 3.504 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

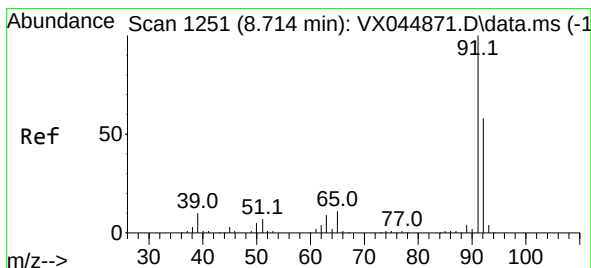
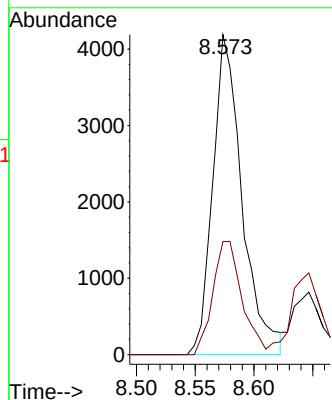
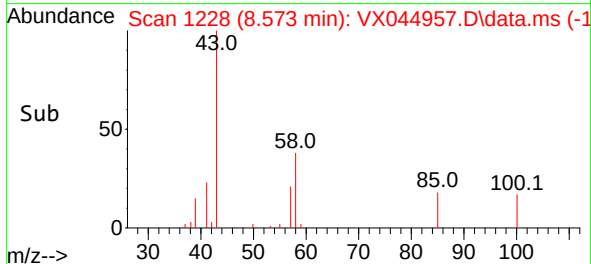
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 43 Resp: 7258
Ion Ratio Lower Upper
43 100
58 35.3 30.8 46.2

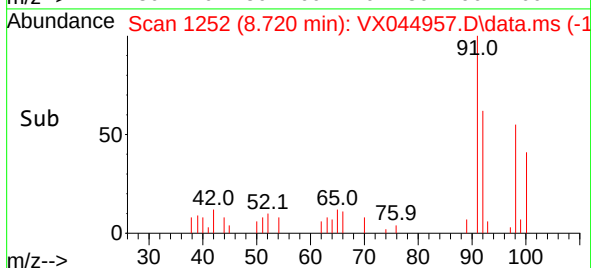
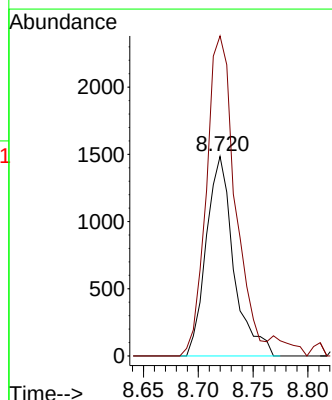
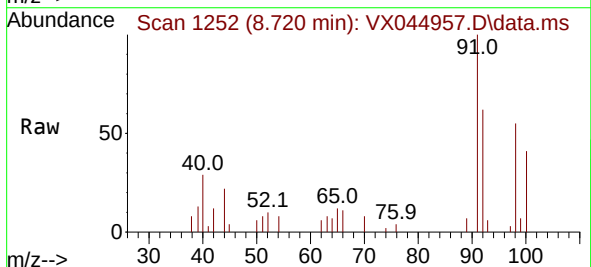
Manual Integrations
APPROVED

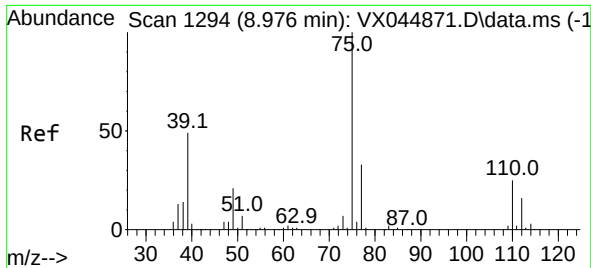
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#52
Toluene
Concen: 0.734 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

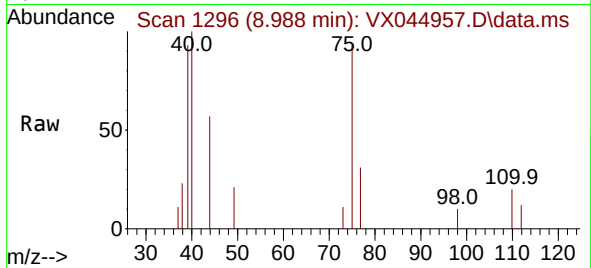
Tgt Ion: 92 Resp: 2587
Ion Ratio Lower Upper
92 100
91 169.6 137.4 206.2





#53
t-1,3-Dichloropropene
Concen: 0.545 ug/l
RT: 8.988 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

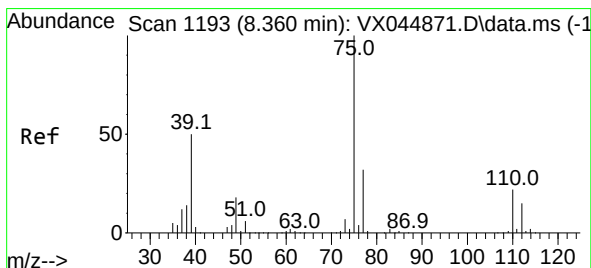
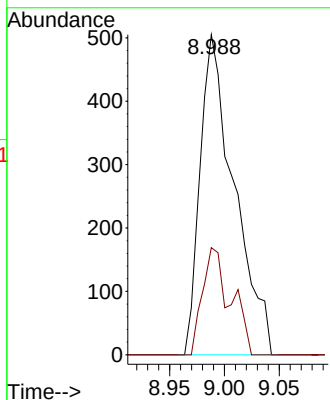
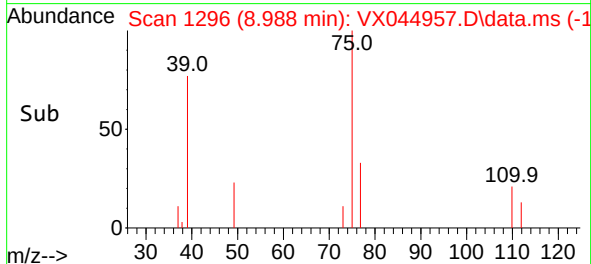
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



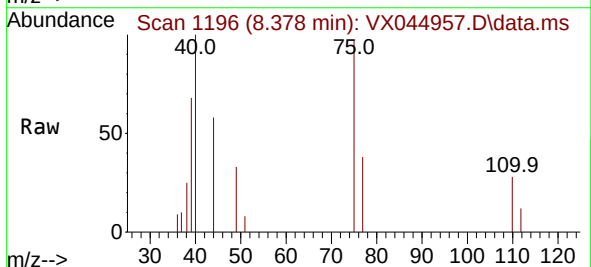
Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 33.5 26.0 39.0

Manual Integrations
APPROVED

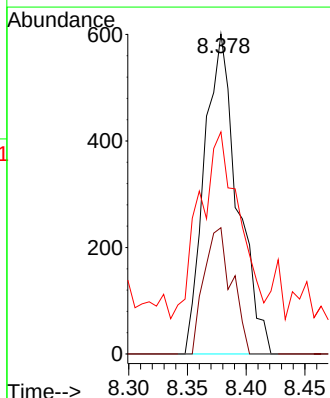
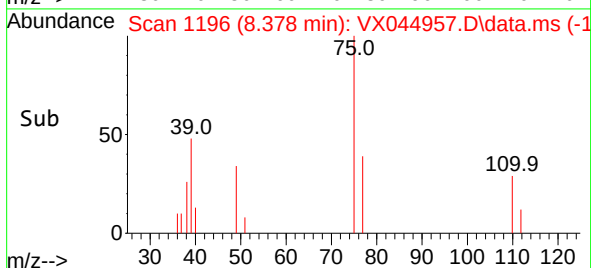
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

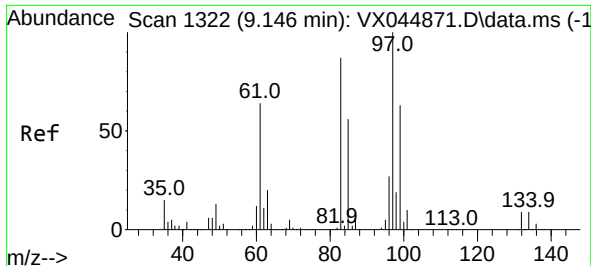


#54
cis-1,3-Dichloropropene
Concen: 0.528 ug/l
RT: 8.378 min Scan# 1196
Delta R.T. 0.018 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion: 75 Resp: 1179
Ion Ratio Lower Upper
75 100
77 39.4 25.3 37.9#
39 54.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 0.722 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.012 min

Lab File: VX044957.D

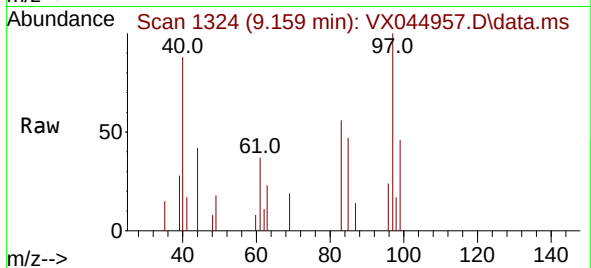
Acq: 14 Feb 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025



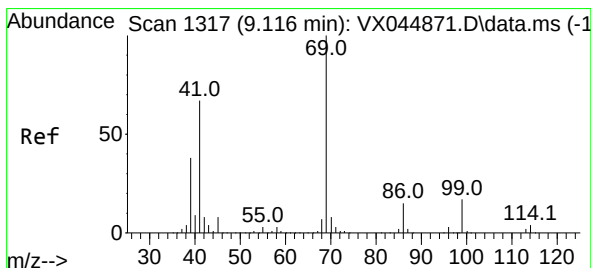
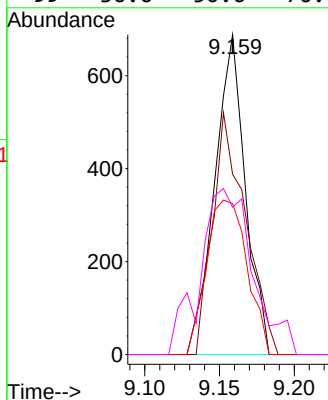
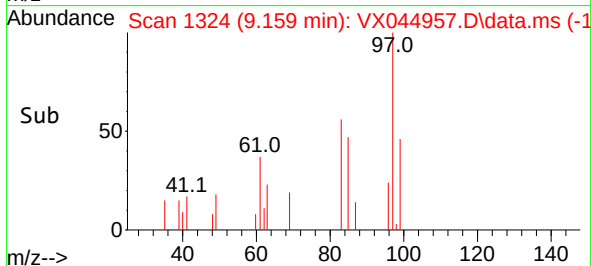
Tgt Ion:	97	Resp:	979
Ion	Ratio	Lower	Upper
97	100		
83	56.4	69.8	104.6
85	47.2	44.8	67.2
99	36.6	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#56

Ethyl methacrylate

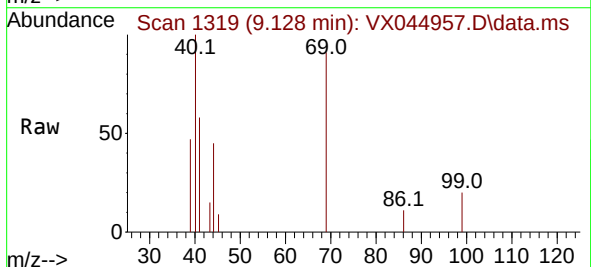
Concen: 0.557 ug/l

RT: 9.128 min Scan# 1319

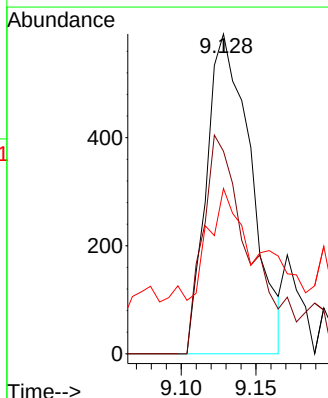
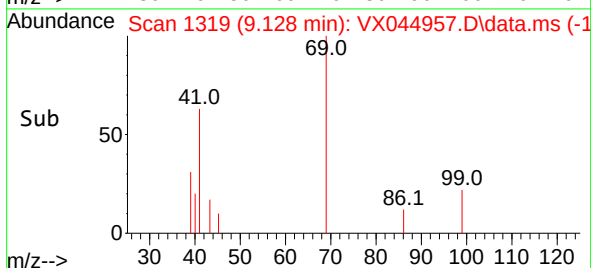
Delta R.T. 0.012 min

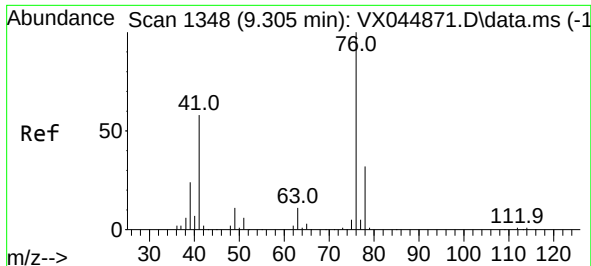
Lab File: VX044957.D

Acq: 14 Feb 2025 13:34



Tgt Ion:	69	Resp:	1219
Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.2	82.8
39	65.5	30.8	46.2





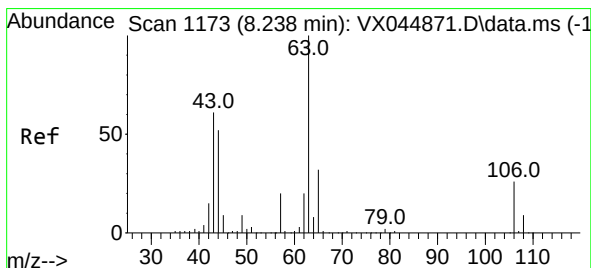
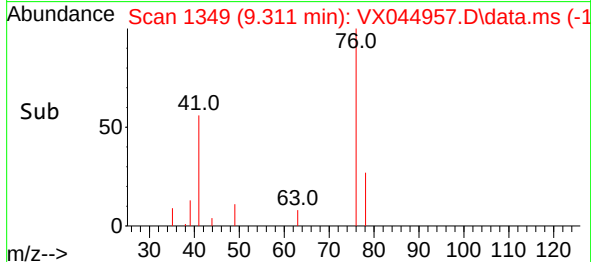
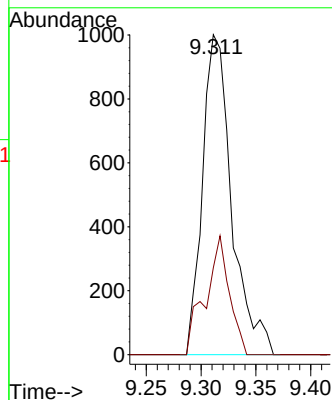
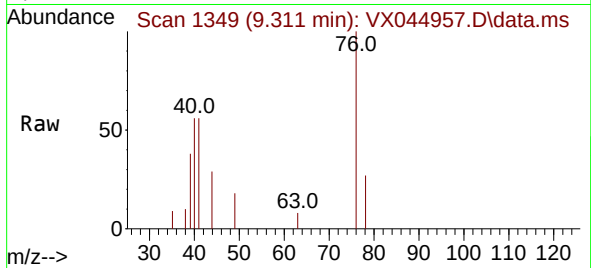
#57
1,3-Dichloropropane
Concen: 0.783 ug/l
RT: 9.311 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 76 Resp: 1850
Ion Ratio Lower Upper
76 100
78 30.4 25.8 38.8

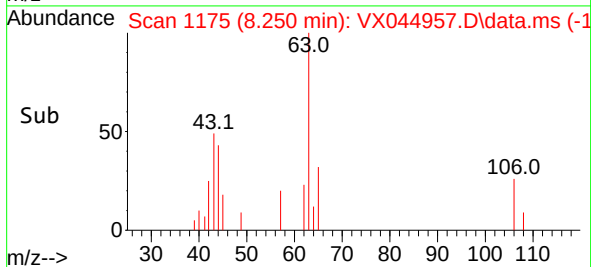
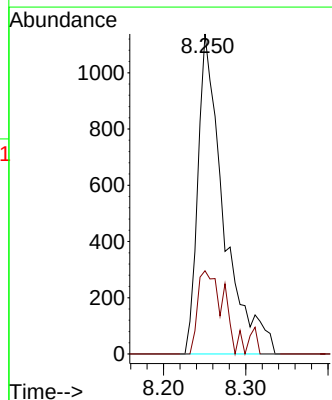
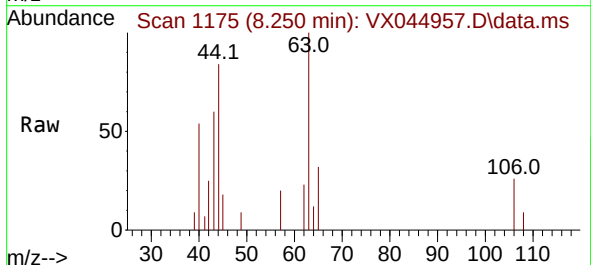
Manual Integrations
APPROVED

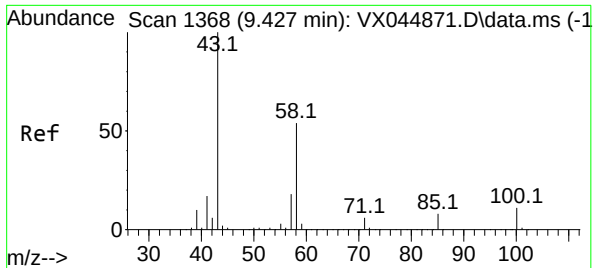
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 2.296 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

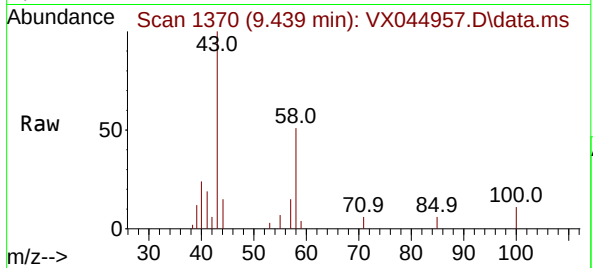
Tgt Ion: 63 Resp: 2468
Ion Ratio Lower Upper
63 100
106 24.9 21.3 31.9





#59
2-Hexanone
Concen: 3.432 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

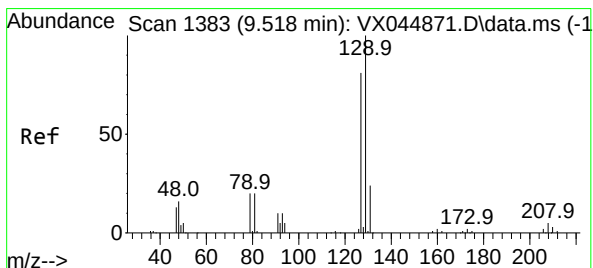
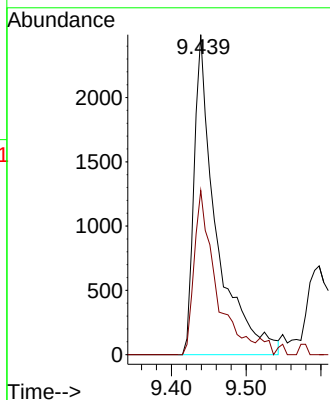
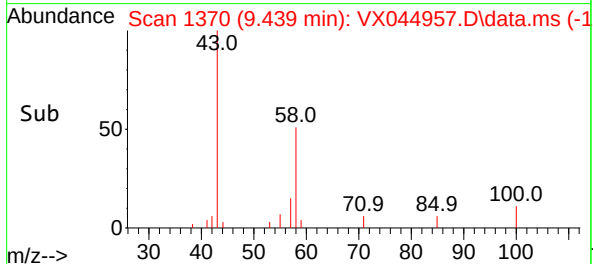
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
58 50.2 27.5 82.4

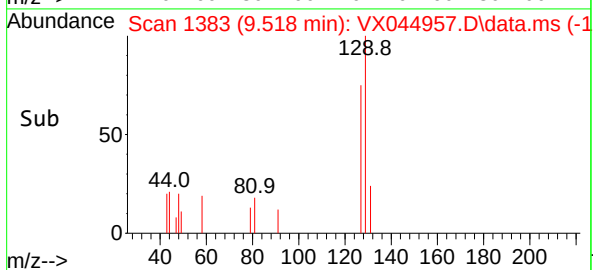
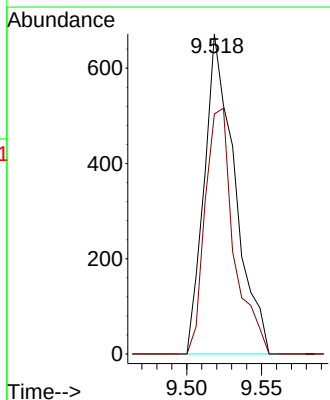
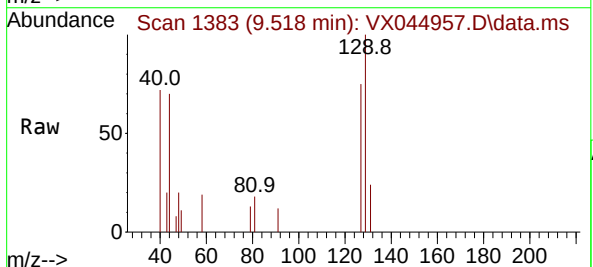
Manual Integrations
APPROVED

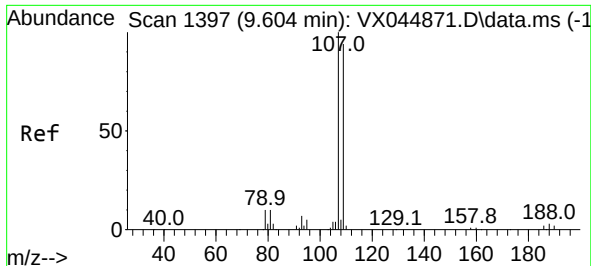
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#60
Dibromochloromethane
Concen: 0.658 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:129 Resp: 954
Ion Ratio Lower Upper
129 100
127 72.4 39.1 117.3





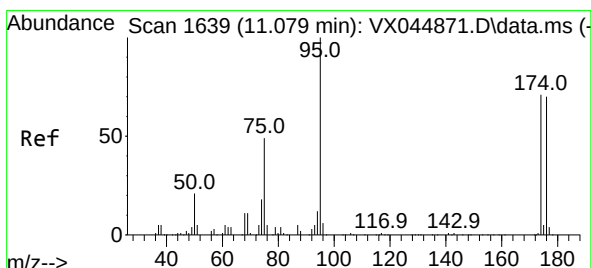
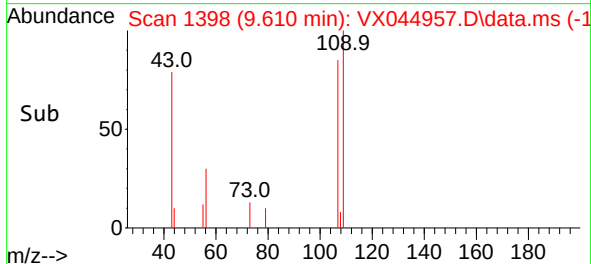
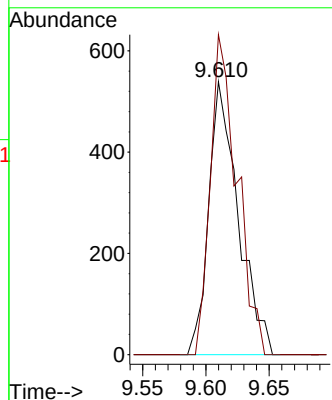
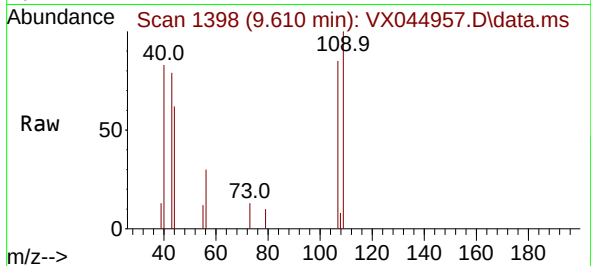
#61
1,2-Dibromoethane
Concen: 0.635 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:107 Resp: 87
Ion Ratio Lower Upper
107 100
109 106.2 75.9 113.9

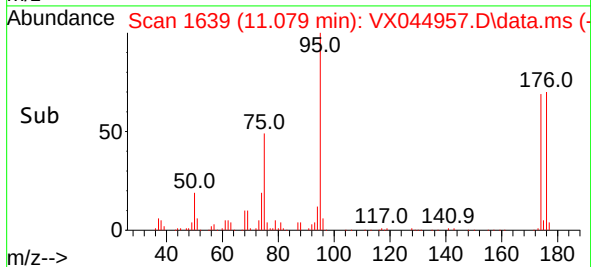
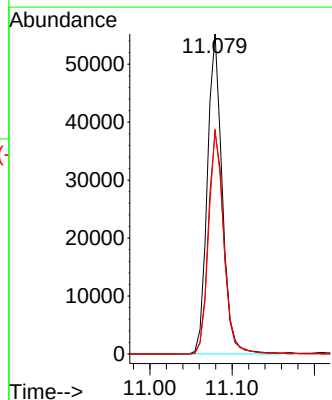
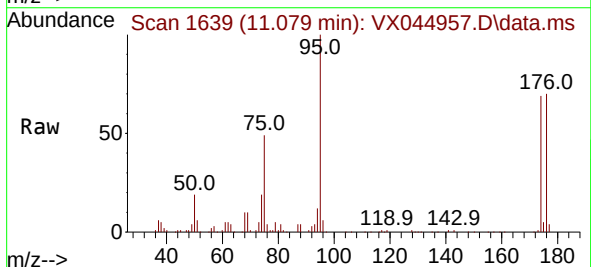
Manual Integrations
APPROVED

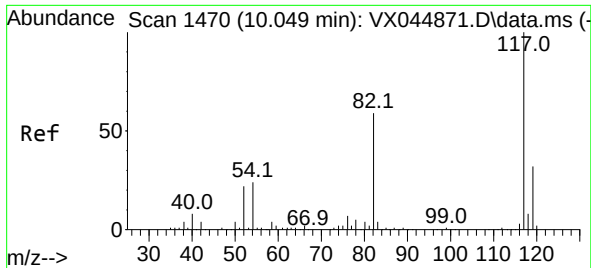
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#62
4-Bromofluorobenzene
Concen: 41.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

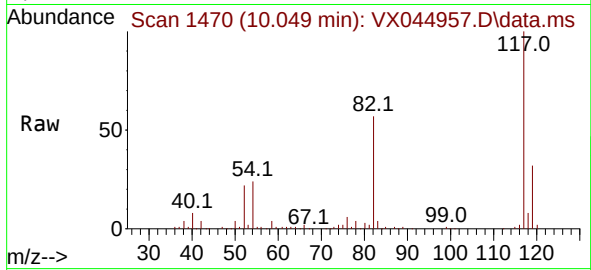
Tgt Ion: 95 Resp: 69405
Ion Ratio Lower Upper
95 100
174 72.4 0.0 142.6
176 71.2 0.0 141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

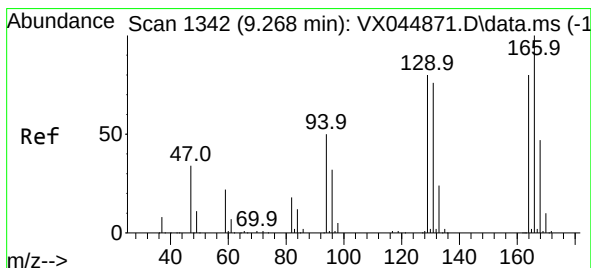
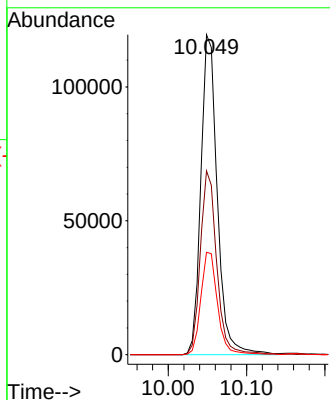
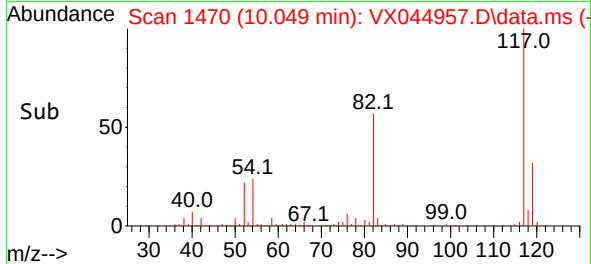
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion:117 Resp: 17421
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 32.0 25.4 38.0

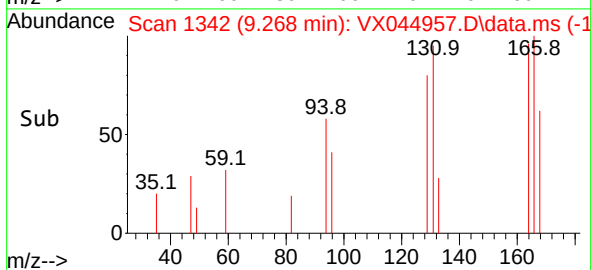
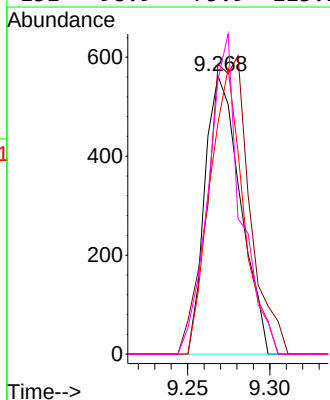
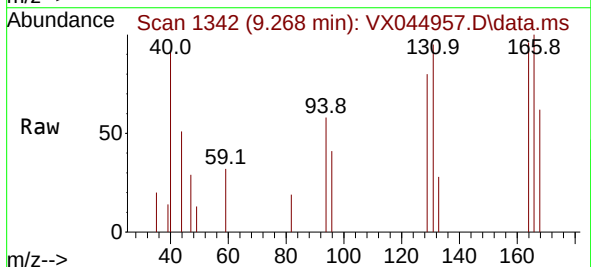
Manual Integrations
APPROVED

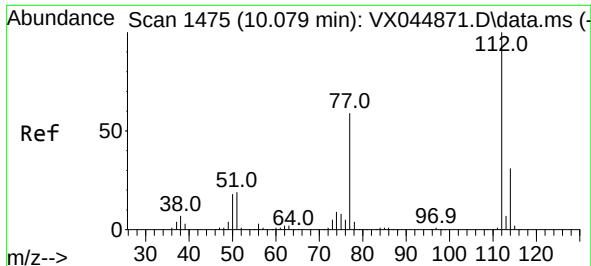
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#64
Tetrachloroethene
Concen: 0.768 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

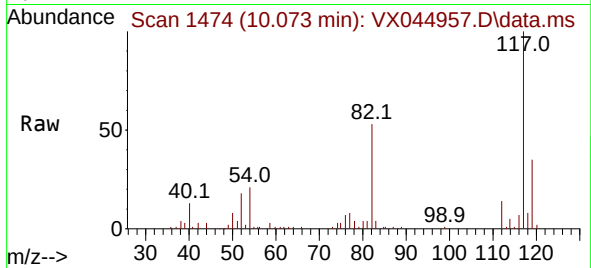
Tgt Ion:164 Resp: 844
Ion Ratio Lower Upper
164 100
166 104.3 100.4 150.6
129 83.3 79.9 119.9
131 98.9 75.9 113.9





#65
Chlorobenzene
Concen: 0.764 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

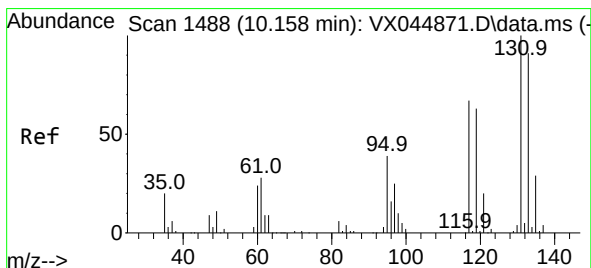
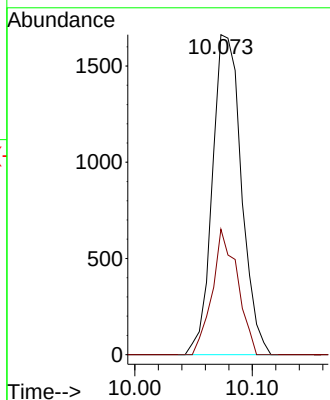
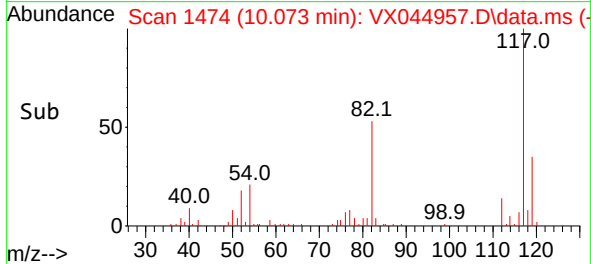
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



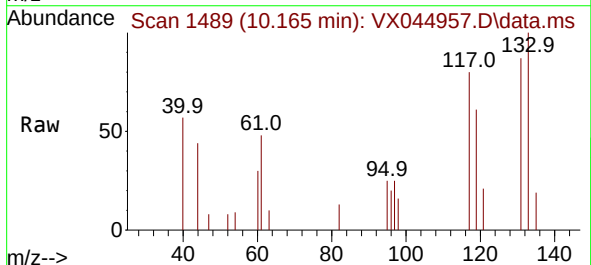
Tgt Ion:112 Resp: 285
Ion Ratio Lower Upper
112 100
114 39.2 25.0 37.6

Manual Integrations
APPROVED

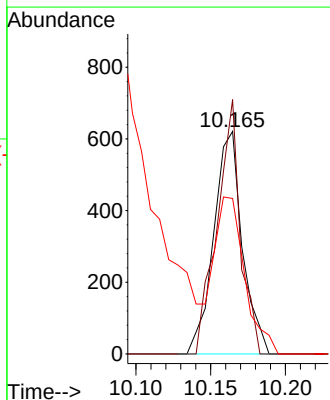
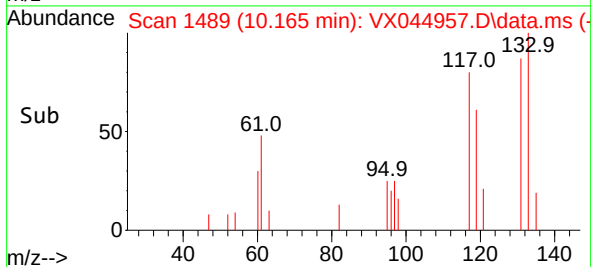
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

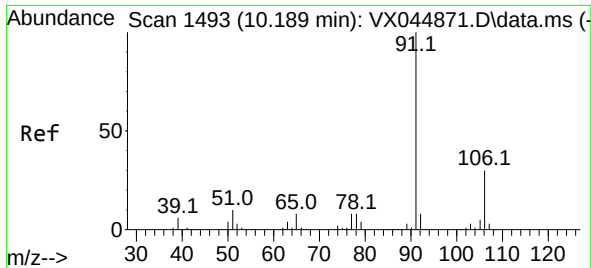


#66
1,1,1,2-Tetrachloroethane
Concen: 0.686 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



Tgt Ion:131 Resp: 826
Ion Ratio Lower Upper
131 100
133 92.9 47.1 141.3
119 0.0 33.6 100.6





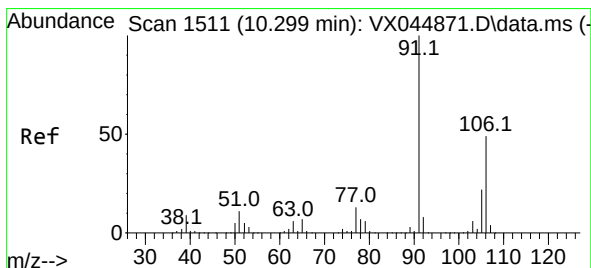
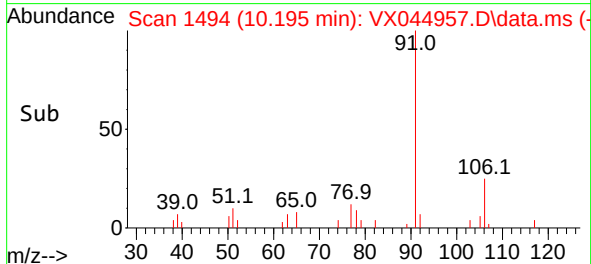
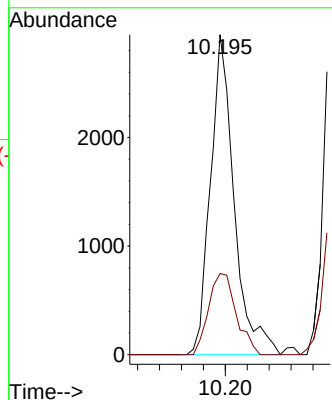
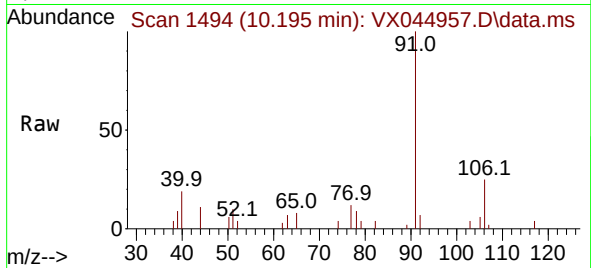
#67
Ethyl Benzene
Concen: 0.670 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 91 Resp: 442
Ion Ratio Lower Upper
91 100
106 25.4 23.9 35.9

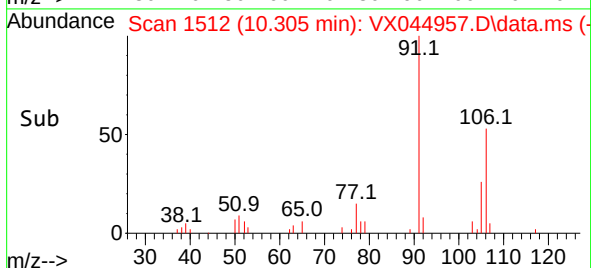
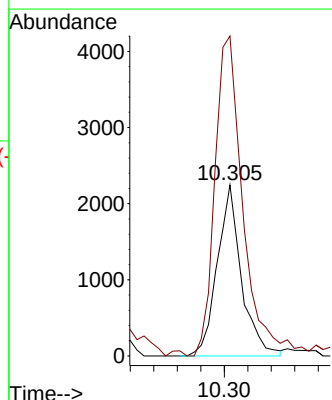
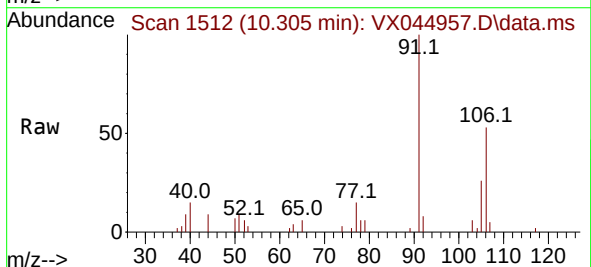
Manual Integrations
APPROVED

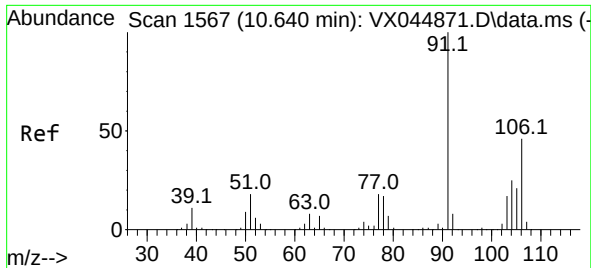
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#68
m/p-Xylenes
Concen: 1.320 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:106 Resp: 3216
Ion Ratio Lower Upper
106 100
91 217.5 164.3 246.5





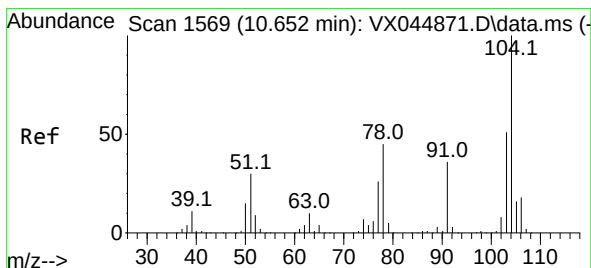
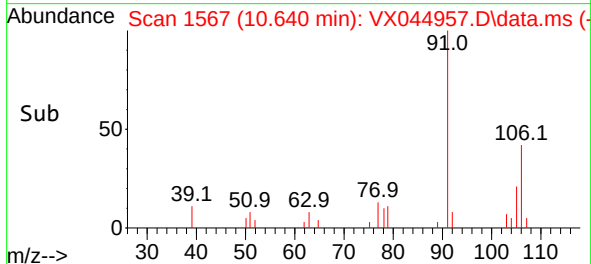
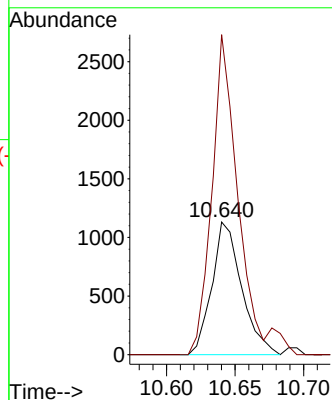
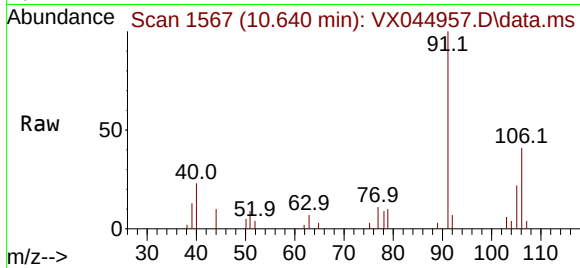
#69
o-Xylene
Concen: 0.700 ug/l
RT: 10.640 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:106 Resp: 171
Ion Ratio Lower Upper
106 100
91 215.4 108.5 325.5

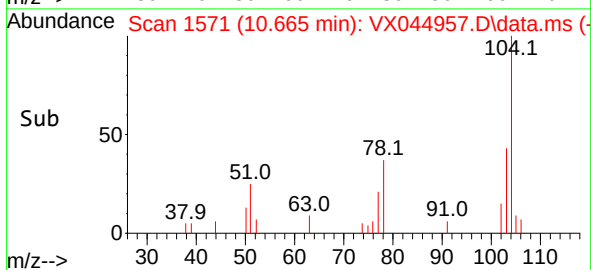
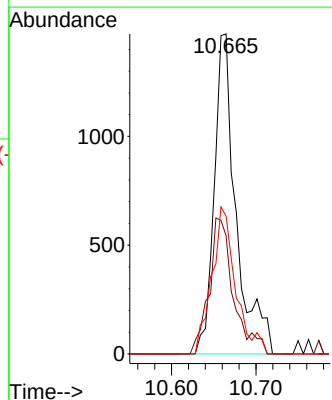
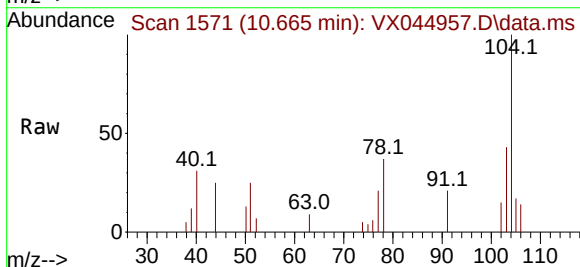
Manual Integrations
APPROVED

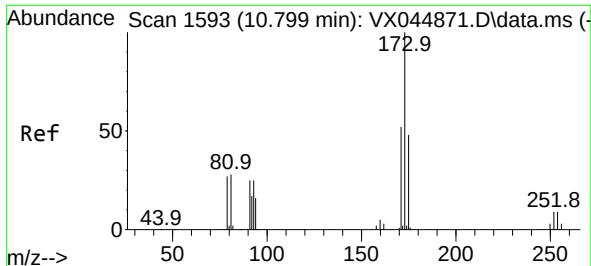
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#70
Styrene
Concen: 0.673 ug/l m
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

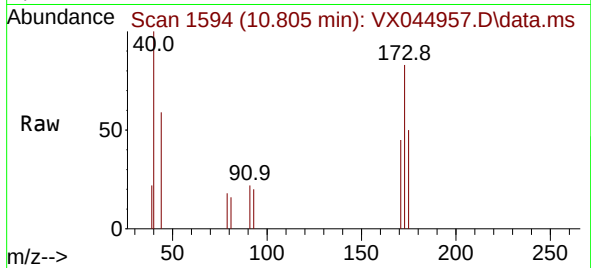
Tgt Ion:104 Resp: 2649
Ion Ratio Lower Upper
104 100
78 47.3 40.5 60.7
103 49.9 43.6 65.4





#71
Bromoform
Concen: 0.696 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

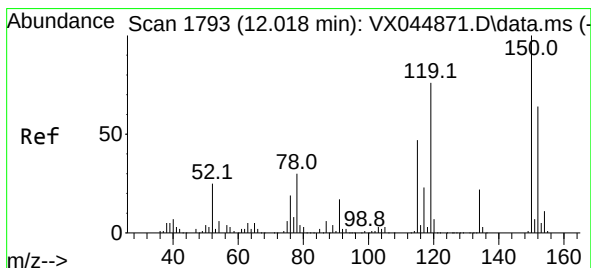
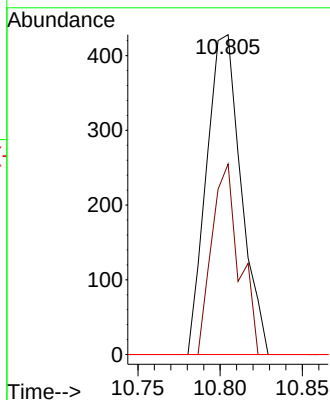
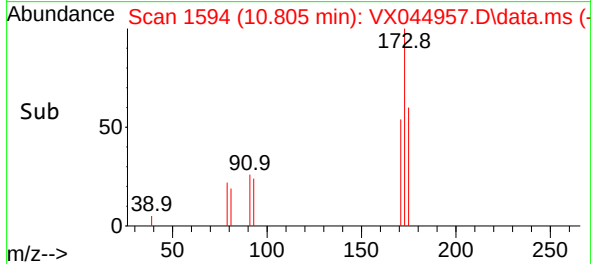
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:173 Resp: 620
Ion Ratio Lower Upper
173 100
175 47.3 24.3 72.8
254 0.0 0.0 0.0

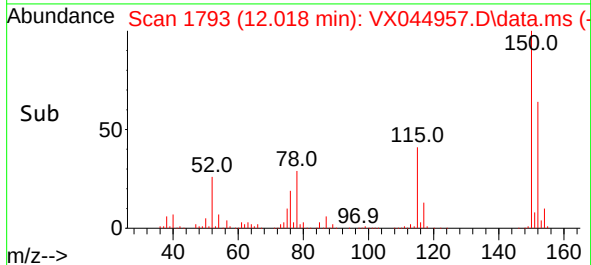
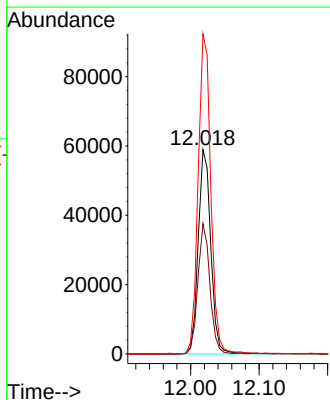
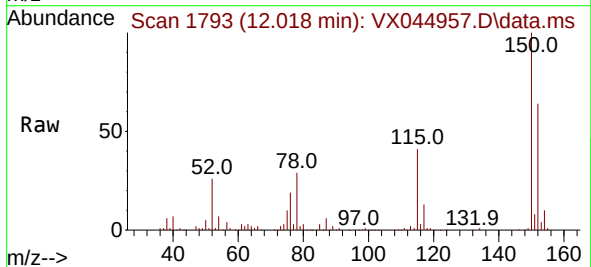
Manual Integrations
APPROVED

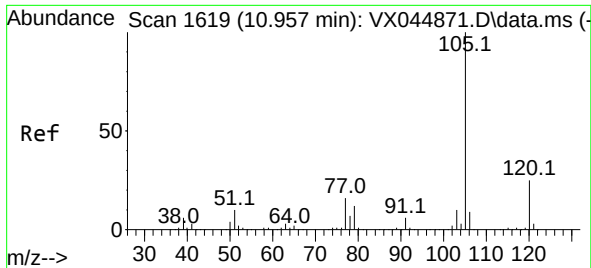
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:152 Resp: 75328
Ion Ratio Lower Upper
152 100
115 61.6 43.4 130.1
150 157.2 0.0 350.4





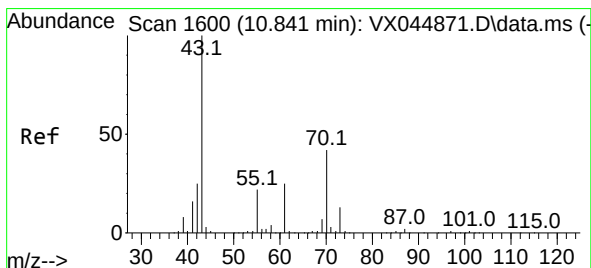
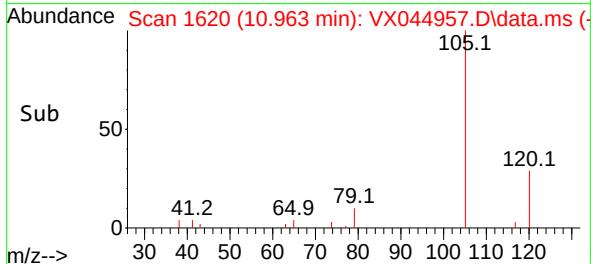
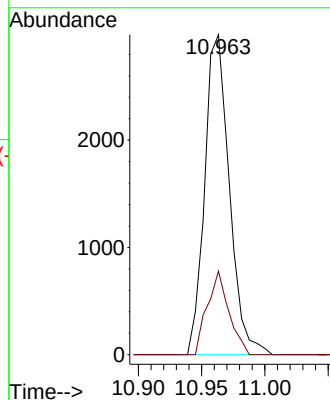
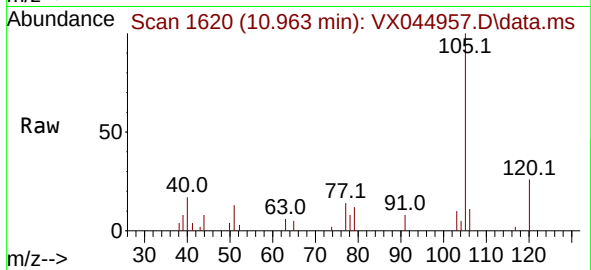
#73
Isopropylbenzene
Concen: 0.667 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:105 Resp: 4048
Ion Ratio Lower Upper
105 100
120 22.9 13.2 39.5

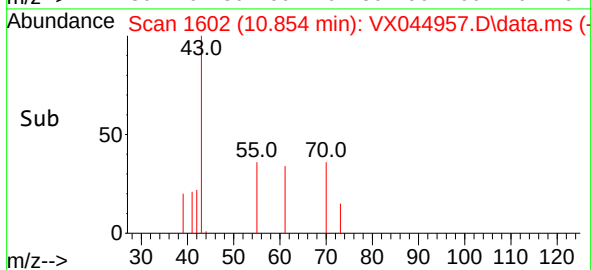
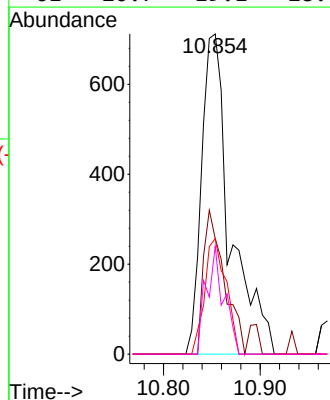
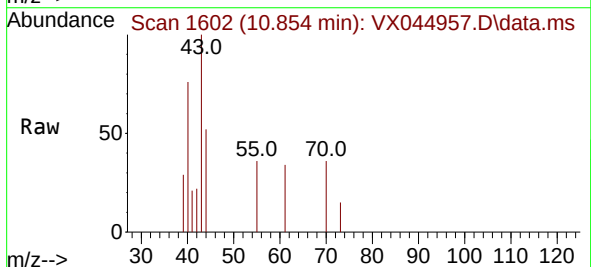
Manual Integrations
APPROVED

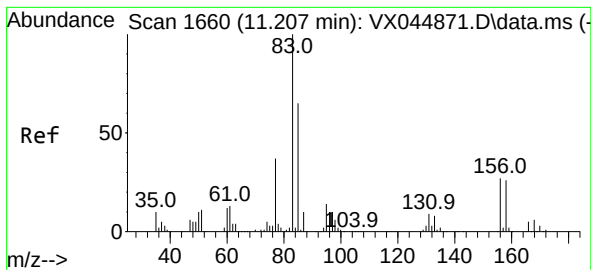
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#74
N-ethyl acetate
Concen: 0.538 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

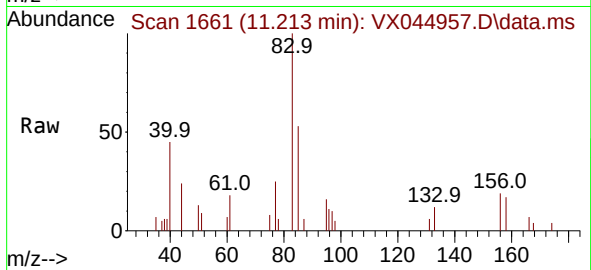
Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
70 32.5 33.7 50.5#
55 26.8 18.6 27.8
61 20.7 19.1 28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 0.715 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

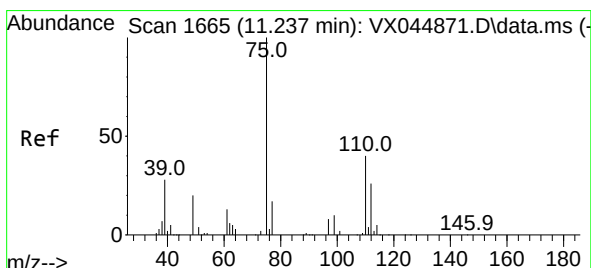
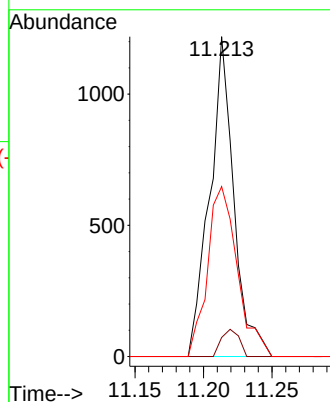
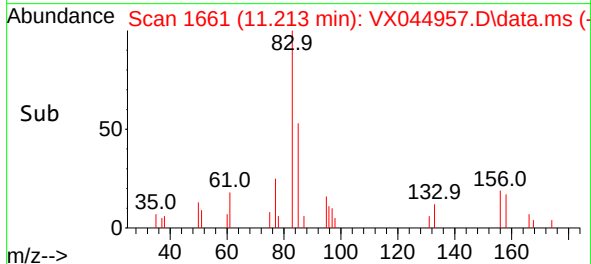
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 83 Resp: 149
Ion Ratio Lower Upper
83 100
131 6.3 4.5 13.5
85 65.7 32.3 96.8

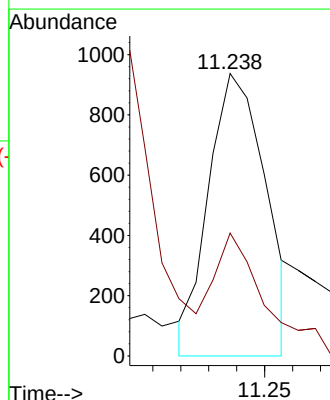
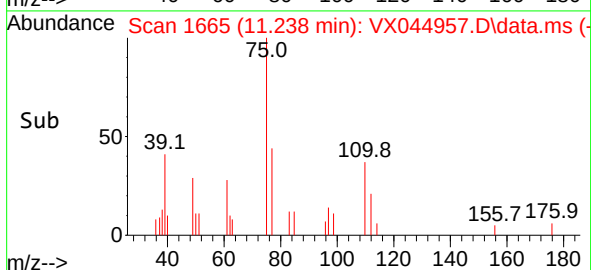
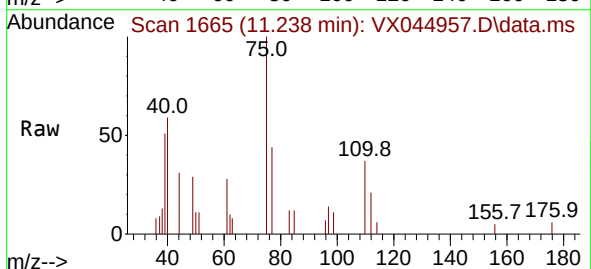
Manual Integrations
APPROVED

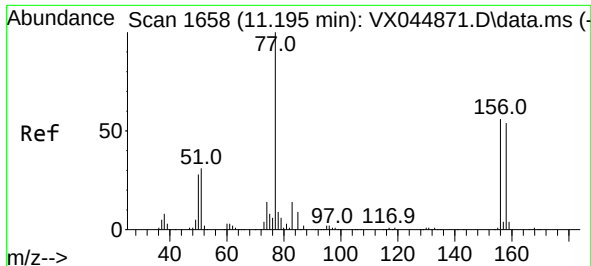
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#76
1,2,3-Trichloropropane
Concen: 0.795 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 75 Resp: 1327
Ion Ratio Lower Upper
75 100
77 39.3 21.9 65.7





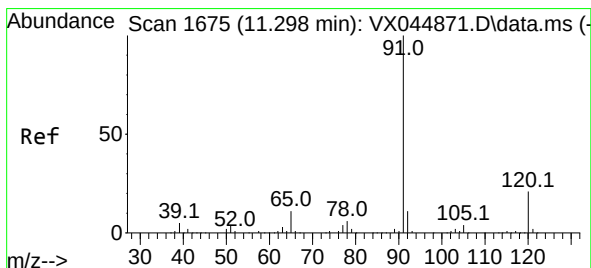
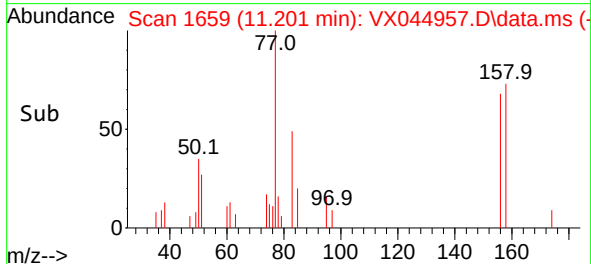
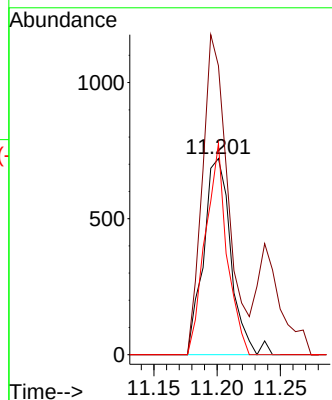
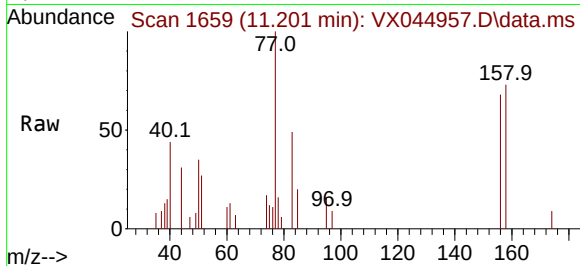
#77
Bromobenzene
Concen: 0.788 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:156 Resp: 1083
Ion Ratio Lower Upper
156 100
77 152.7 88.4 265.3
158 85.3 48.4 145.2

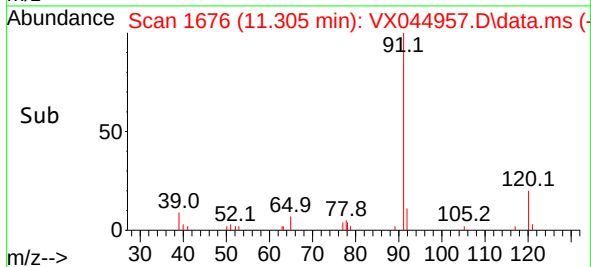
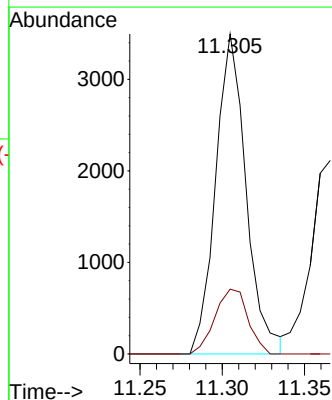
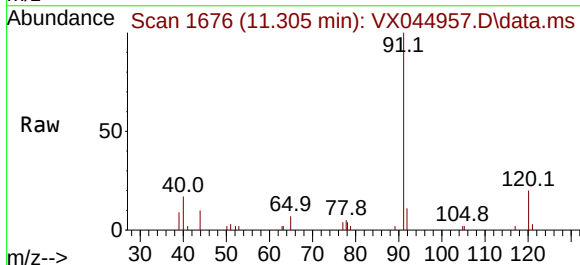
Manual Integrations
APPROVED

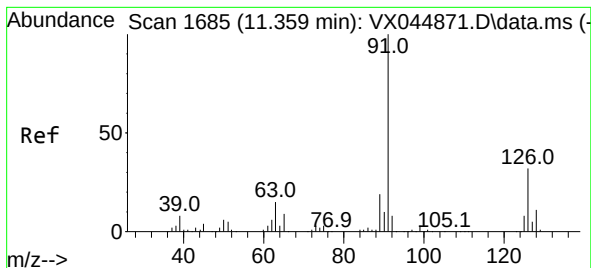
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#78
n-propylbenzene
Concen: 0.643 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion: 91 Resp: 4500
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3





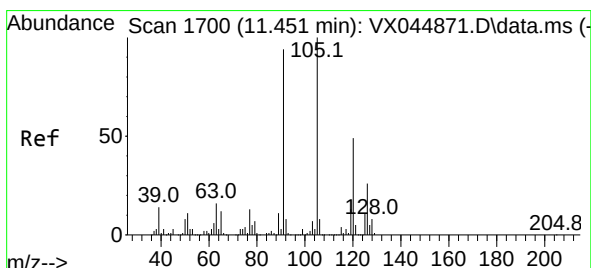
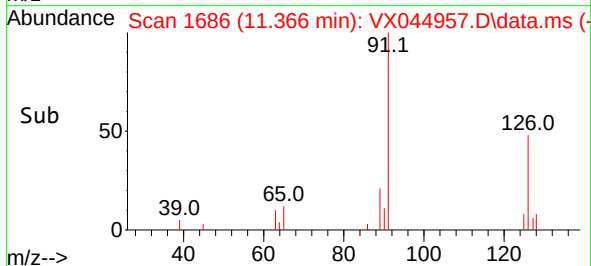
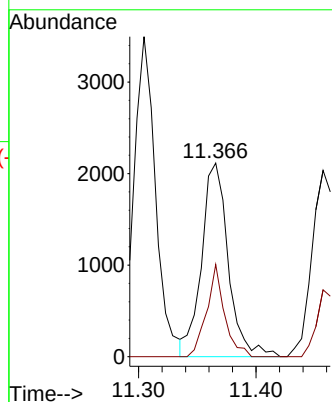
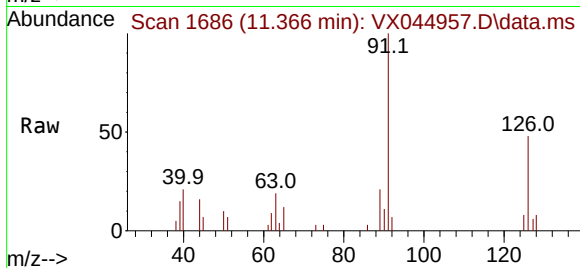
#79
2-Chlorotoluene
Concen: 0.775 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 91 Resp: 333
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.6

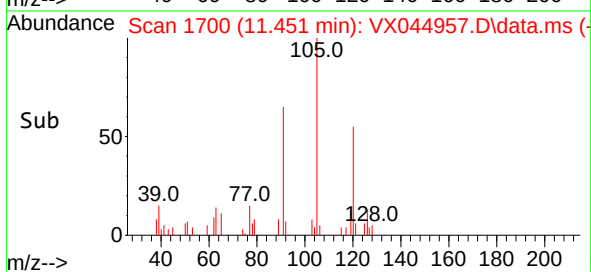
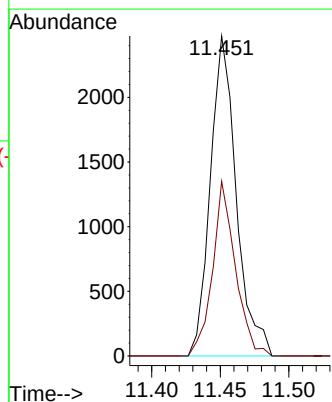
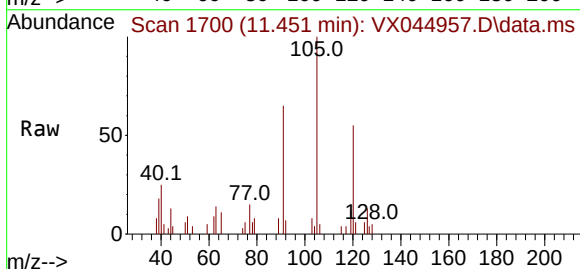
Manual Integrations
APPROVED

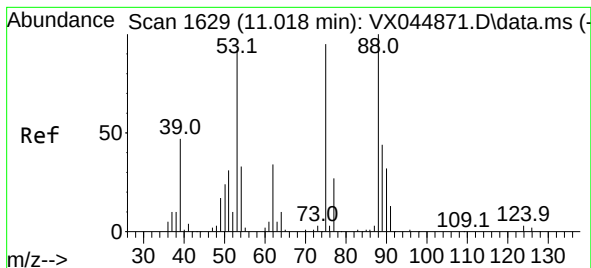
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.662 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

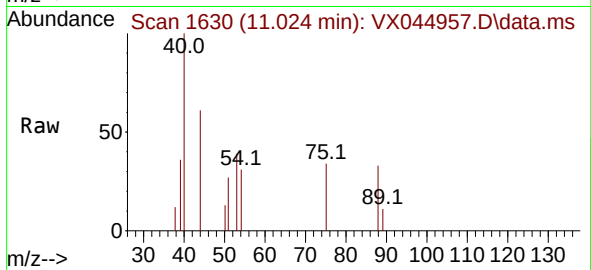
Tgt Ion:105 Resp: 3260
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 0.408 ug/l m
RT: 11.024 min Scan# 1629
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

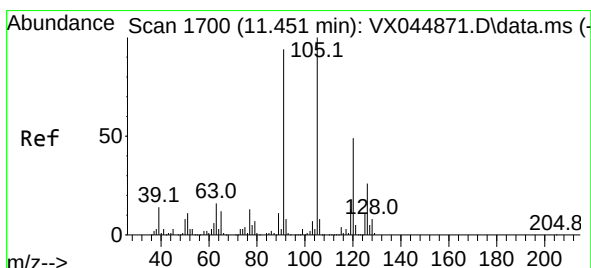
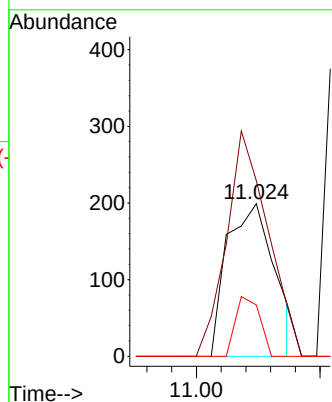
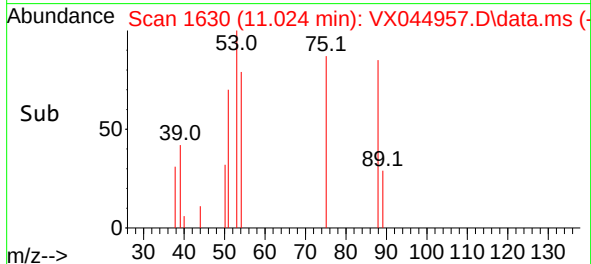
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 75 Resp: 265
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0
89 20.4 36.6 54.8

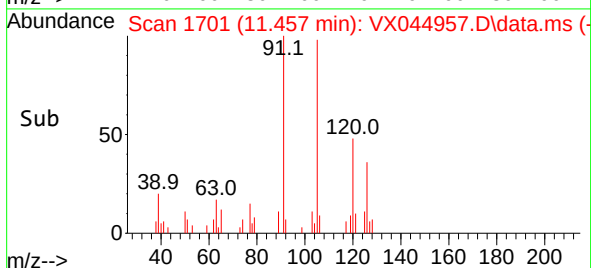
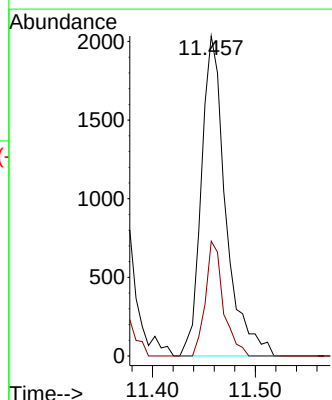
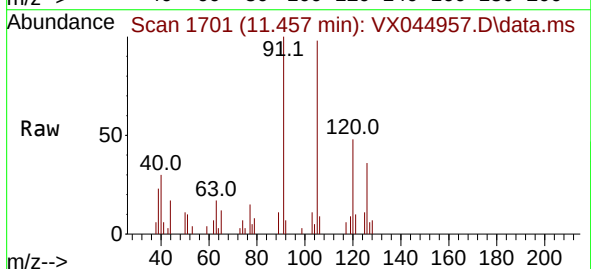
Manual Integrations
APPROVED

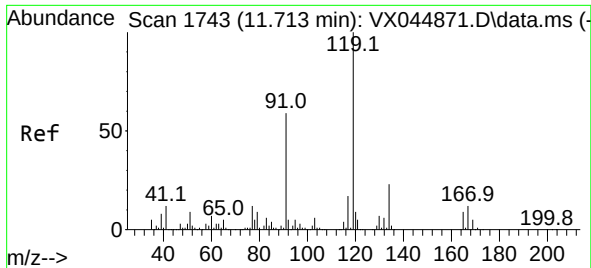
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#82
4-Chlorotoluene
Concen: 0.705 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

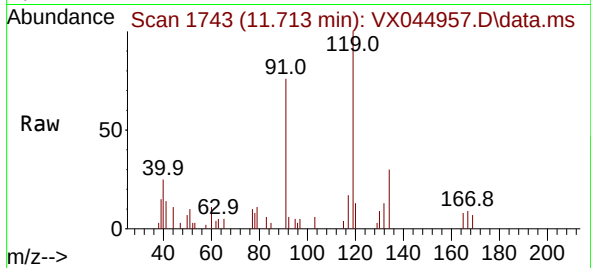
Tgt Ion: 91 Resp: 3355
Ion Ratio Lower Upper
91 100
126 26.3 14.2 42.6





#83
tert-Butylbenzene
Concen: 0.702 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

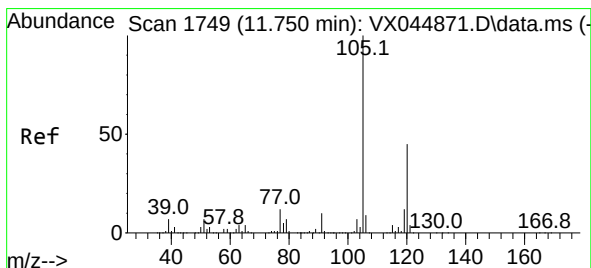
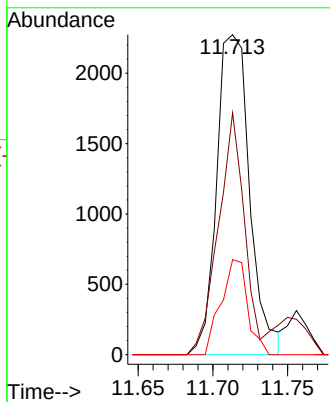
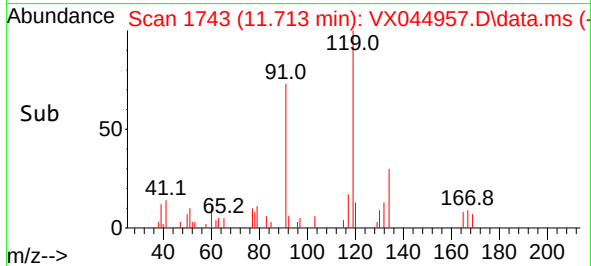
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



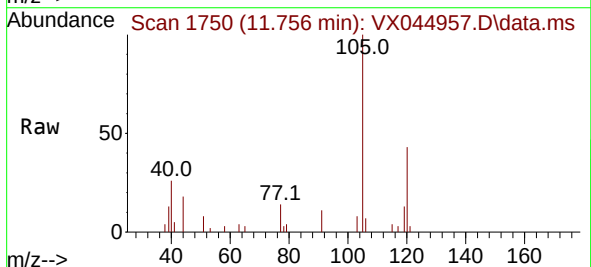
Tgt Ion:119 Resp: 3490
Ion Ratio Lower Upper
119 100
91 61.2 29.1 87.4
134 23.9 11.5 34.5

Manual Integrations
APPROVED

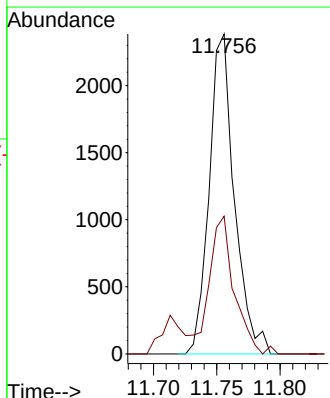
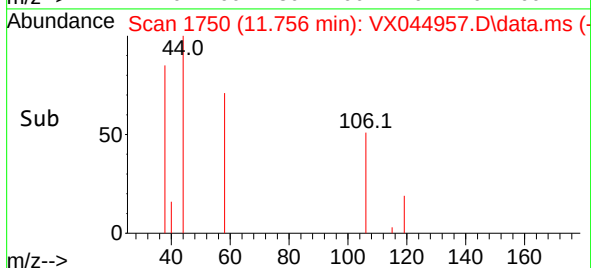
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

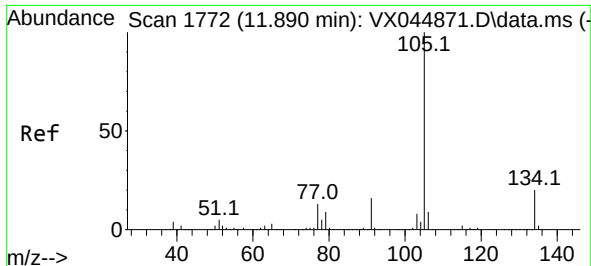


#84
1,2,4-Trimethylbenzene
Concen: 0.681 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



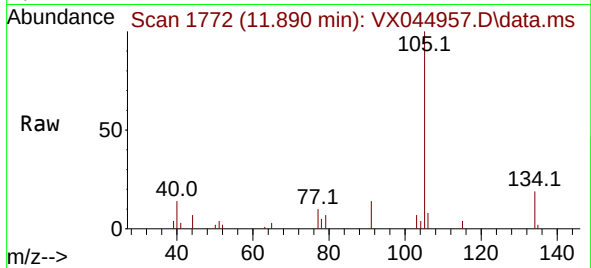
Tgt Ion:105 Resp: 3307
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.0





#85
 sec-Butylbenzene
 Concen: 0.675 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34

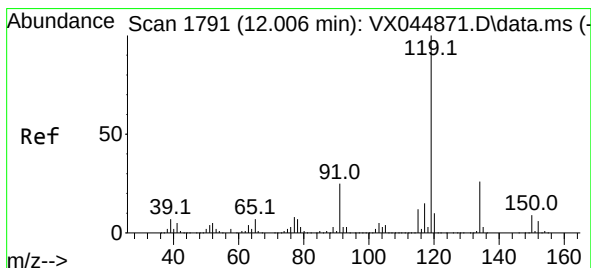
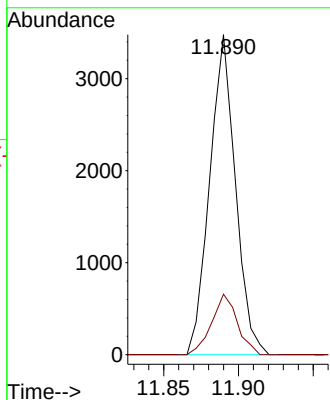
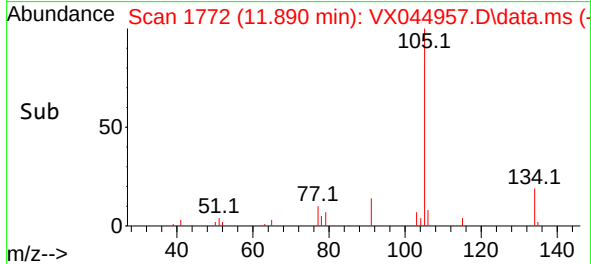
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025



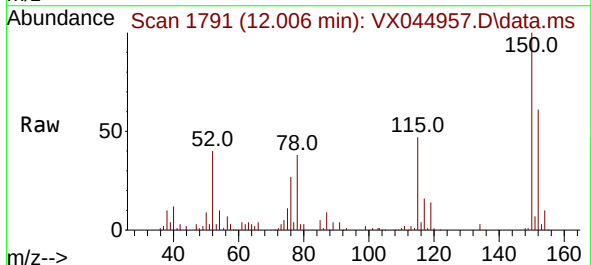
Tgt Ion:105 Resp: 4160
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.8 29.3

Manual Integrations
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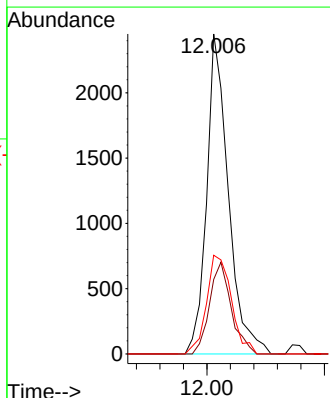
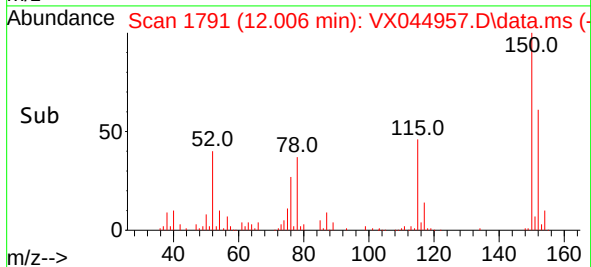
Reviewed By :John Carlone 02/18/2025
 Supervised By :Mahesh Dadoda 02/19/2025

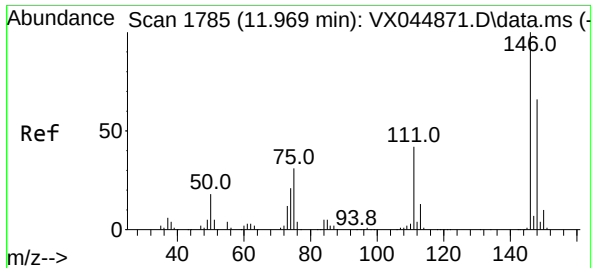


#86
 p-Isopropyltoluene
 Concen: 0.632 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044957.D
 Acq: 14 Feb 2025 13:34



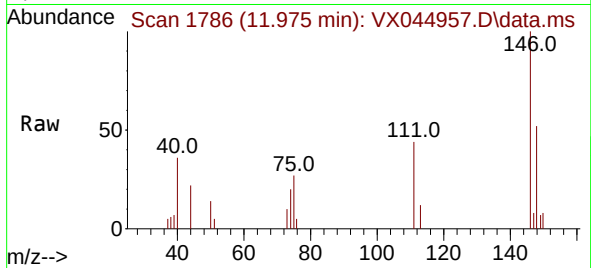
Tgt Ion:119 Resp: 3134
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.0 38.9
 91 35.4 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 0.696 ug/l
RT: 11.975 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

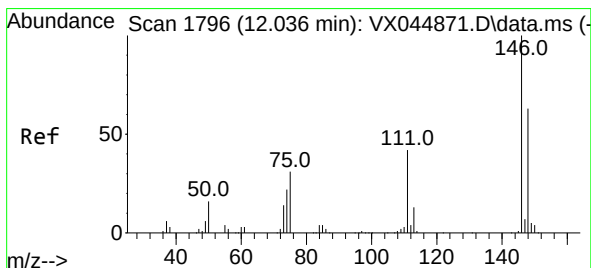
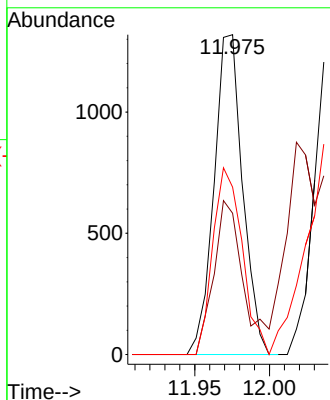
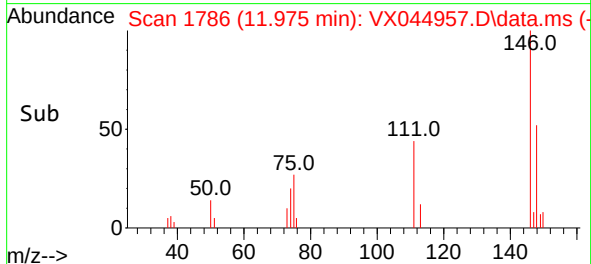
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



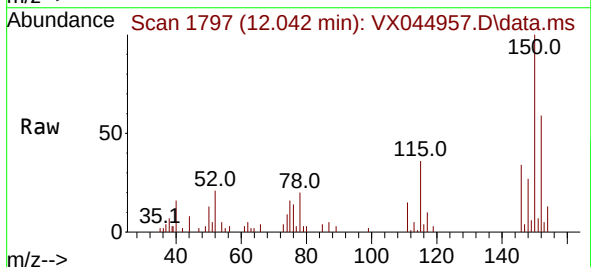
Tgt Ion:146 Resp: 1759
Ion Ratio Lower Upper
146 100
111 50.1 21.2 63.6
148 59.7 32.5 97.5

Manual Integrations
APPROVED

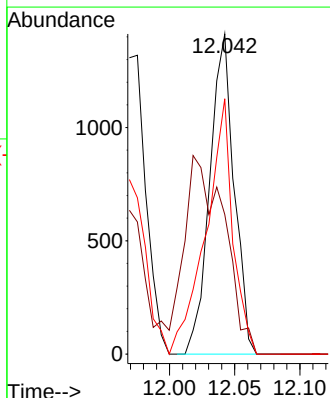
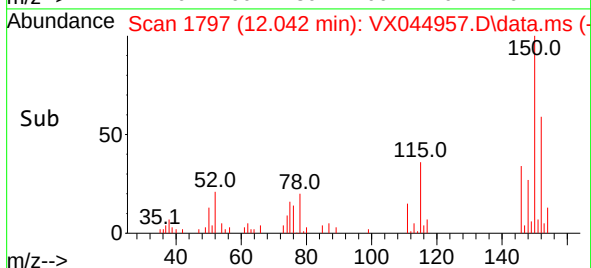
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

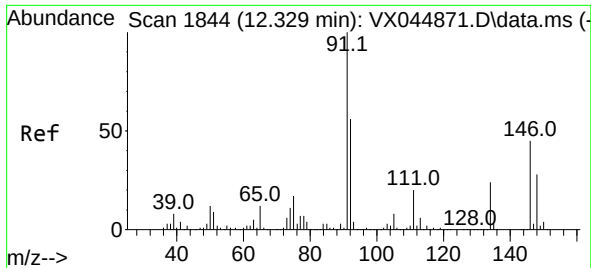


#88
1,4-Dichlorobenzene
Concen: 0.718 ug/l m
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



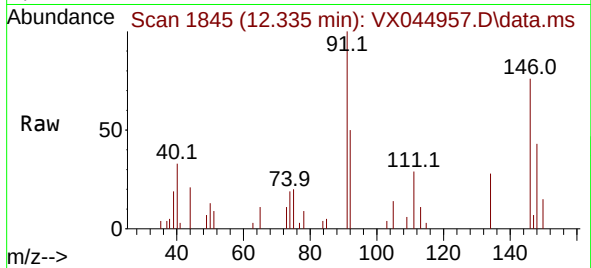
Tgt Ion:146 Resp: 1835
Ion Ratio Lower Upper
146 100
111 48.1 20.4 61.3
148 57.3 32.0 96.0





#89
n-Butylbenzene
Concen: 0.536 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

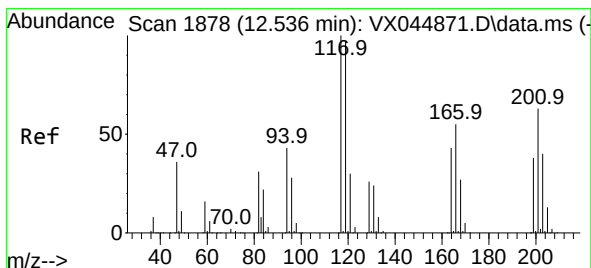
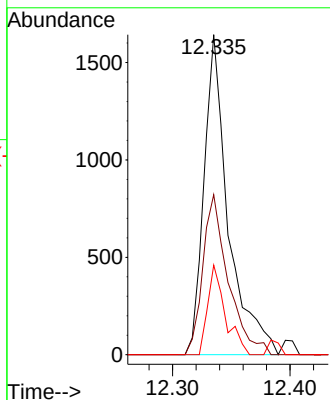
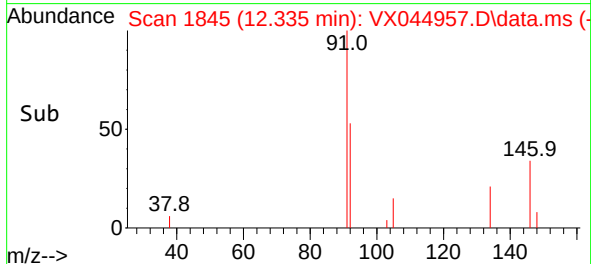
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 91 Resp: 235
Ion Ratio Lower Upper
91 100
92 52.6 27.2 81.6
134 20.3 12.1 36.3

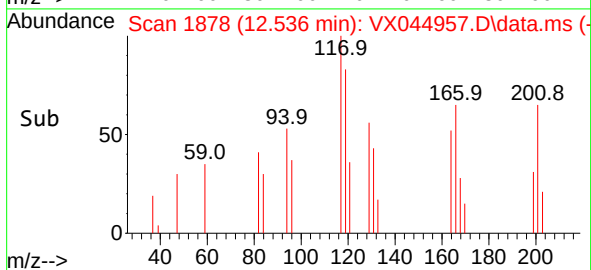
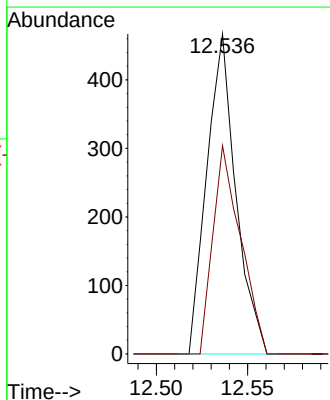
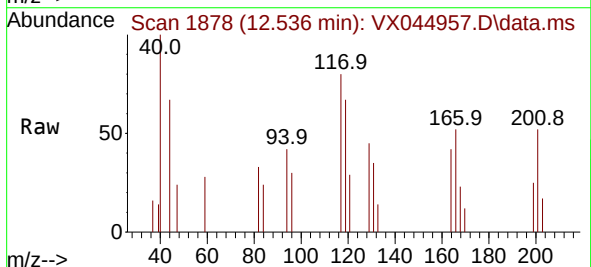
Manual Integrations
APPROVED

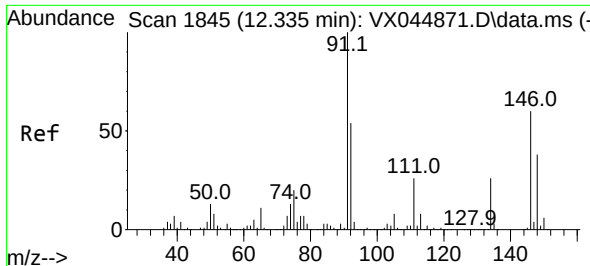
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#90
Hexachloroethane
Concen: 0.555 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

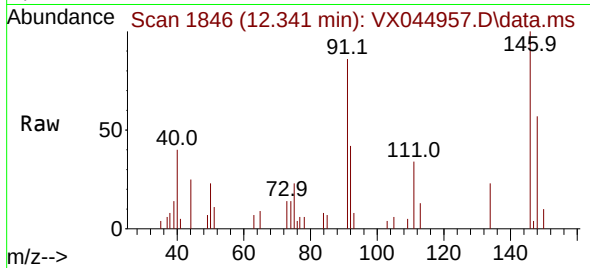
Tgt Ion:117 Resp: 515
Ion Ratio Lower Upper
117 100
201 62.5 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 0.754 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

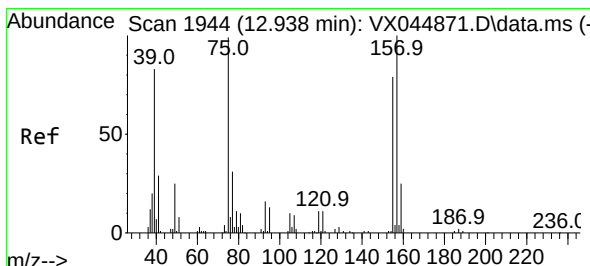
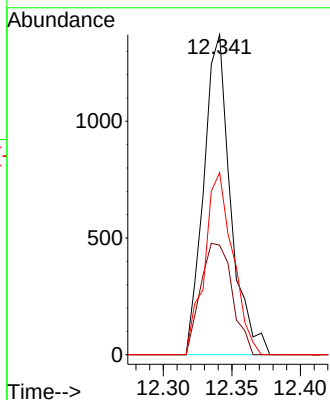
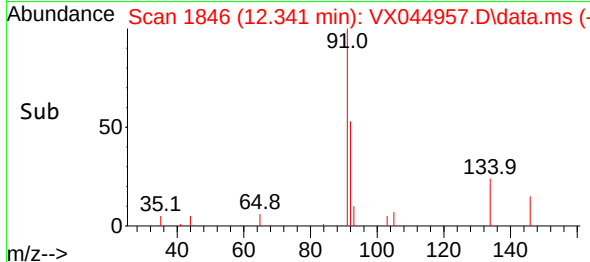
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:146 Resp: 187
Ion Ratio Lower Upper
146 100
111 40.9 21.8 65.4
148 59.8 31.9 95.9

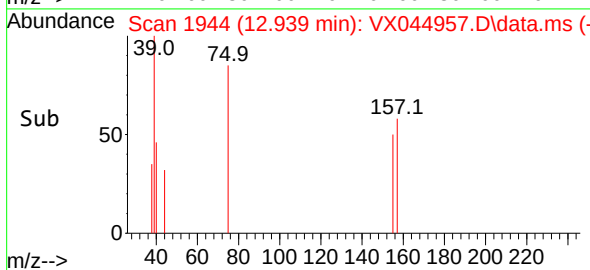
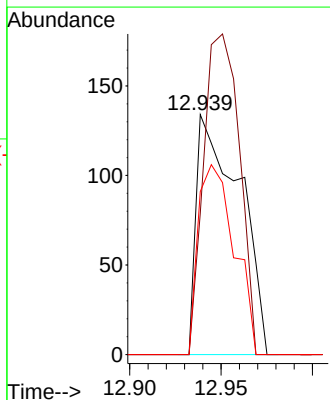
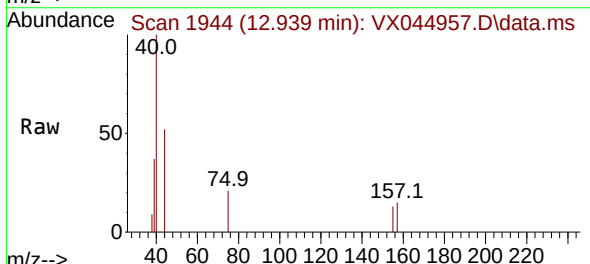
Manual Integrations
APPROVED

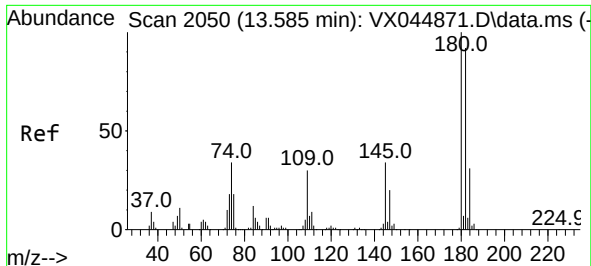
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.576 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

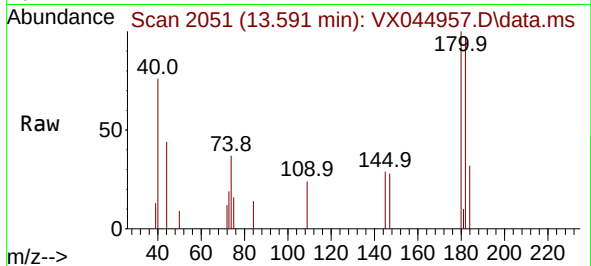
Tgt Ion: 75 Resp: 219
Ion Ratio Lower Upper
75 100
155 111.4 40.5 121.4
157 66.7 51.4 154.3





#93
1,2,4-Trichlorobenzene
Concen: 0.619 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

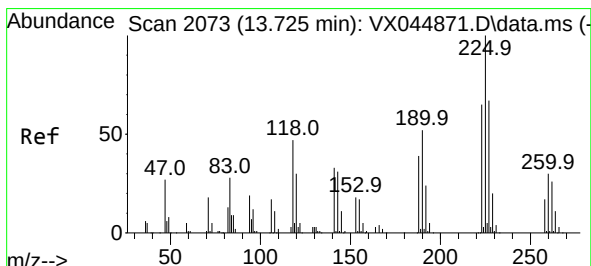
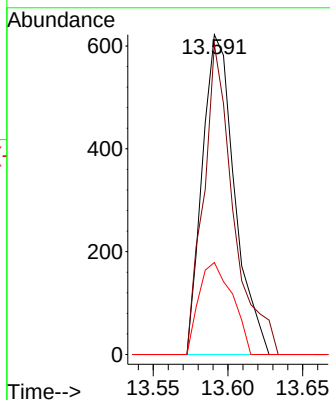
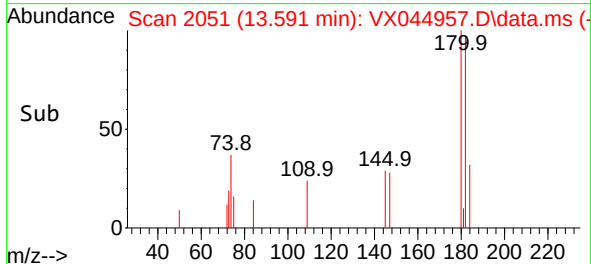
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



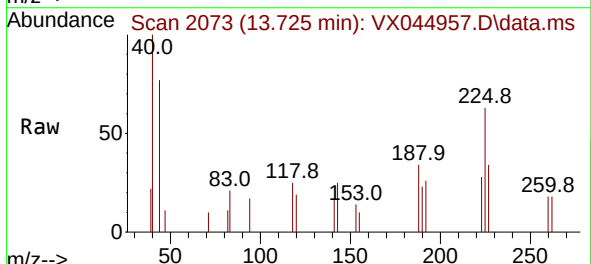
Tgt Ion:180 Resp: 93.1
Ion Ratio Lower Upper
180 100
182 90.0 47.6 142.8
145 30.0 16.4 49.1

Manual Integrations
APPROVED

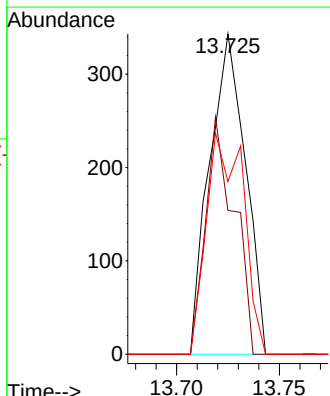
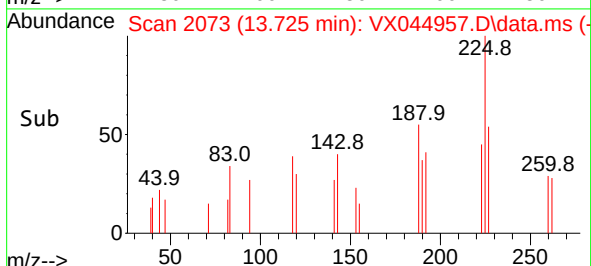
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

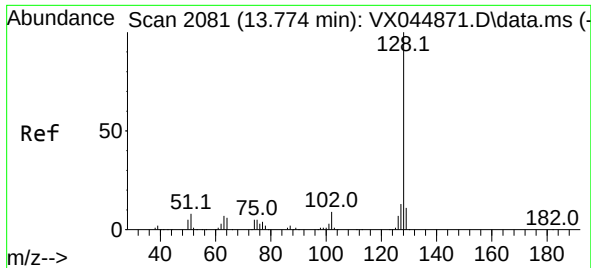


#94
Hexachlorobutadiene
Concen: 0.697 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34



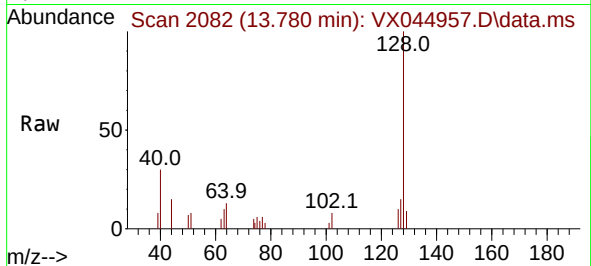
Tgt Ion:225 Resp: 416
Ion Ratio Lower Upper
225 100
223 59.1 31.4 94.2
227 71.2 32.3 96.8





#95
Naphthalene
Concen: 0.569 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

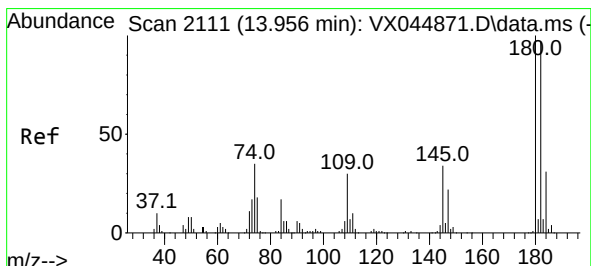
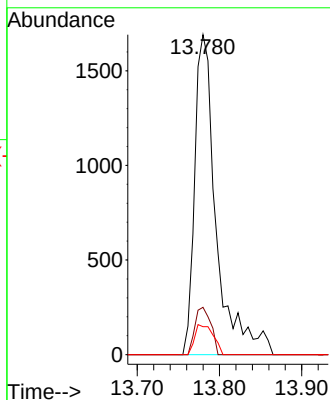
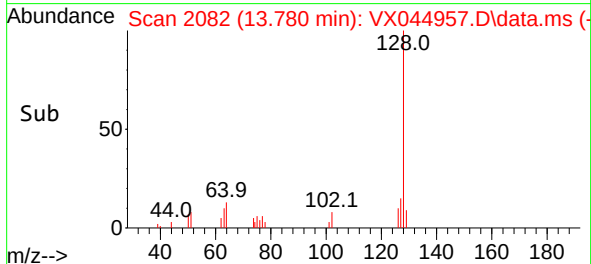
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:128 Resp: 3094
Ion Ratio Lower Upper
128 100
127 10.9 10.1 15.1
129 8.0 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.613 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044957.D
Acq: 14 Feb 2025 13:34

Tgt Ion:180 Resp: 929
Ion Ratio Lower Upper
180 100
182 99.9 47.9 143.6
145 29.1 17.1 51.3

