

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022425\
 Data File : VX045026.D
 Acq On : 24 Feb 2025 12:46
 Operator : JC/MD
 Sample : Q1168-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 25 00:30:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/25/2025
 Supervised By : Mahesh Dadoda 02/25/2025

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

Internal Standards						
1) Bromochloromethane	4.885	128	18926	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	101043	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	89995	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	52988	28.826	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.100%		
60) 4-Bromofluorobenzene	11.079	95	47639	28.321	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.400%		
63) Toluene-d8	8.647	98	149797	30.088	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3863	2.421	ug/l	87
3) Chloromethane	1.301	50	4880m	2.554	ug/l	
4) Vinyl Chloride	1.368	62	4518	2.450	ug/l	96
5) Bromomethane	1.593	94	1942	3.026	ug/l	83
6) Chloroethane	1.672	64	2605m	2.608	ug/l	
7) Trichlorofluoromethane	1.880	101	6125	2.471	ug/l	88
8) Diethyl Ether	2.130	74	2306	2.459	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	3900	2.650	ug/l	96
10) 1,1-Dichloroethene	2.313	96	3634	2.528	ug/l	93
11) Methyl Iodide	2.447	142	2859	1.757	ug/l #	93
12) Methyl Acetate	2.703	43	4787	2.867	ug/l	98
13) Acrolein	2.233	56	4960	14.822	ug/l	91
14) Acrylonitrile	3.062	53	11303	13.860	ug/l	98
15) Acetone	2.380	58	3979	17.791	ug/l	83
16) Carbon Disulfide	2.508	76	9858	2.417	ug/l	99
17) Allyl chloride	2.654	41	6310	2.347	ug/l	96
18) Methylene Chloride	2.782	84	4067	2.515	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	3867	2.659	ug/l	93
20) Diisopropyl ether	3.757	45	12495	2.418	ug/l	92
21) 1,1-Dichloroethane	3.599	63	6874	2.392	ug/l #	96
22) cis-1,2-Dichloroethene	4.489	96	4260	2.444	ug/l #	87
23) tert-Butyl Alcohol	2.959	59	5814	20.422	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	11546	2.461	ug/l	95
25) Chloroform	5.086	83	7219	2.601	ug/l	92
26) Cyclohexane	5.458	56	6660	2.511	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	4604	2.477	ug/l	87
30) 2-Butanone	4.568	43	16908	15.749	ug/l #	93
31) 2,2-Dichloropropane	4.465	77	5199	2.474	ug/l #	58
32) 1,1,1-Trichloroethane	5.373	97	5638	2.503	ug/l	98
33) Carbon Tetrachloride	5.666	117	4669	2.457	ug/l	98
34) Benzene	6.031	78	15393	2.641	ug/l	98
35) Methacrylonitrile	4.922	41	2726	2.373	ug/l	91
36) 1,2-Dichloroethane	6.086	62	5317	2.664	ug/l #	88
37) Trichloroethene	7.135	130	3346	2.454	ug/l	94
38) Methylcyclohexane	7.373	83	6233	2.497	ug/l	98
39) 1,2-Dichloropropane	7.428	63	3427	2.365	ug/l	98
40) Dibromomethane	7.580	93	2812	2.704	ug/l	95
41) Bromodichloromethane	7.824	83	5004	2.421	ug/l	90
42) Vinyl Acetate	3.721	43	48987	11.759	ug/l	100

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 ClientSampleId :
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 Supervised By : Mahesh Dadoda 02/25/2025

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	5623	2.793	ug/l #	90
44) Isopropyl Acetate	6.348	43	7704	2.325	ug/l	93
45) 1,4-Dioxane	7.665	88	1814	52.661	ug/l	94
46) Methyl methacrylate	7.702	41	3825	2.354	ug/l	92
47) n-amyl Acetate	10.848	43	6098	2.121	ug/l	94
48) t-1,3-Dichloropropene	8.982	75	4055	2.035	ug/l	92
49) cis-1,3-Dichloropropene	8.366	75	5329	2.363	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	3553	2.619	ug/l	92
51) Ethyl methacrylate	9.122	69	5060	2.372	ug/l	95
52) 1,3-Dichloropropane	9.305	76	6359	2.676	ug/l	93
53) Dibromochloromethane	9.519	129	3459	2.306	ug/l	94
54) 1,2-Dibromoethane	9.610	107	3559	2.584	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	13387	12.220	ug/l	99
56) Bromoform	10.799	173	2163	2.301	ug/l #	88
58) 4-Methyl-2-Pentanone	8.574	43	27922	13.639	ug/l	100
59) 2-Hexanone	9.433	43	20633	13.944	ug/l	99
61) Tetrachloroethene	9.269	164	2914	2.629	ug/l	93
62) Toluene	8.714	91	15685	2.631	ug/l	99
64) Chlorobenzene	10.073	112	9711	2.629	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	3084	2.530	ug/l	98
66) Ethyl Benzene	10.195	91	16424	2.516	ug/l	95
67) m/p-Xylenes	10.299	106	12083	4.969	ug/l	98
68) o-Xylene	10.640	106	6222	2.608	ug/l	99
69) Styrene	10.659	104	9306	2.335	ug/l	99
70) Isopropylbenzene	10.963	105	15582	2.531	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	5741	2.835	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	4781m	2.871	ug/l	
73) Bromobenzene	11.201	156	3478	2.454	ug/l	96
74) n-propylbenzene	11.305	91	17587	2.400	ug/l	97
75) 2-Chlorotoluene	11.366	91	11256	2.541	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	12757	2.511	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	1058	1.888	ug/l	78
78) 4-Chlorotoluene	11.451	91	11539	2.337	ug/l	98
79) tert-butylbenzene	11.713	119	12834	2.508	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	12234	2.404	ug/l	98
81) sec-Butylbenzene	11.890	105	15242	2.373	ug/l	100
82) p-Isopropyltoluene	12.006	119	12119	2.329	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	6483	2.458	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	6592	2.535	ug/l	99
85) n-Butylbenzene	12.329	91	9473	1.993	ug/l	96
86) Hexachloroethane	12.536	117	2151	2.343	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	6836	2.642	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	1045	2.666	ug/l	93
89) 1,2,4-Trichlorobenzene	13.591	180	3319	2.116	ug/l	97
90) Hexachlorobutadiene	13.719	225	1558	2.436	ug/l	92
91) Naphthalene	13.774	128	11459	2.072	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	4001	2.478	ug/l	94

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

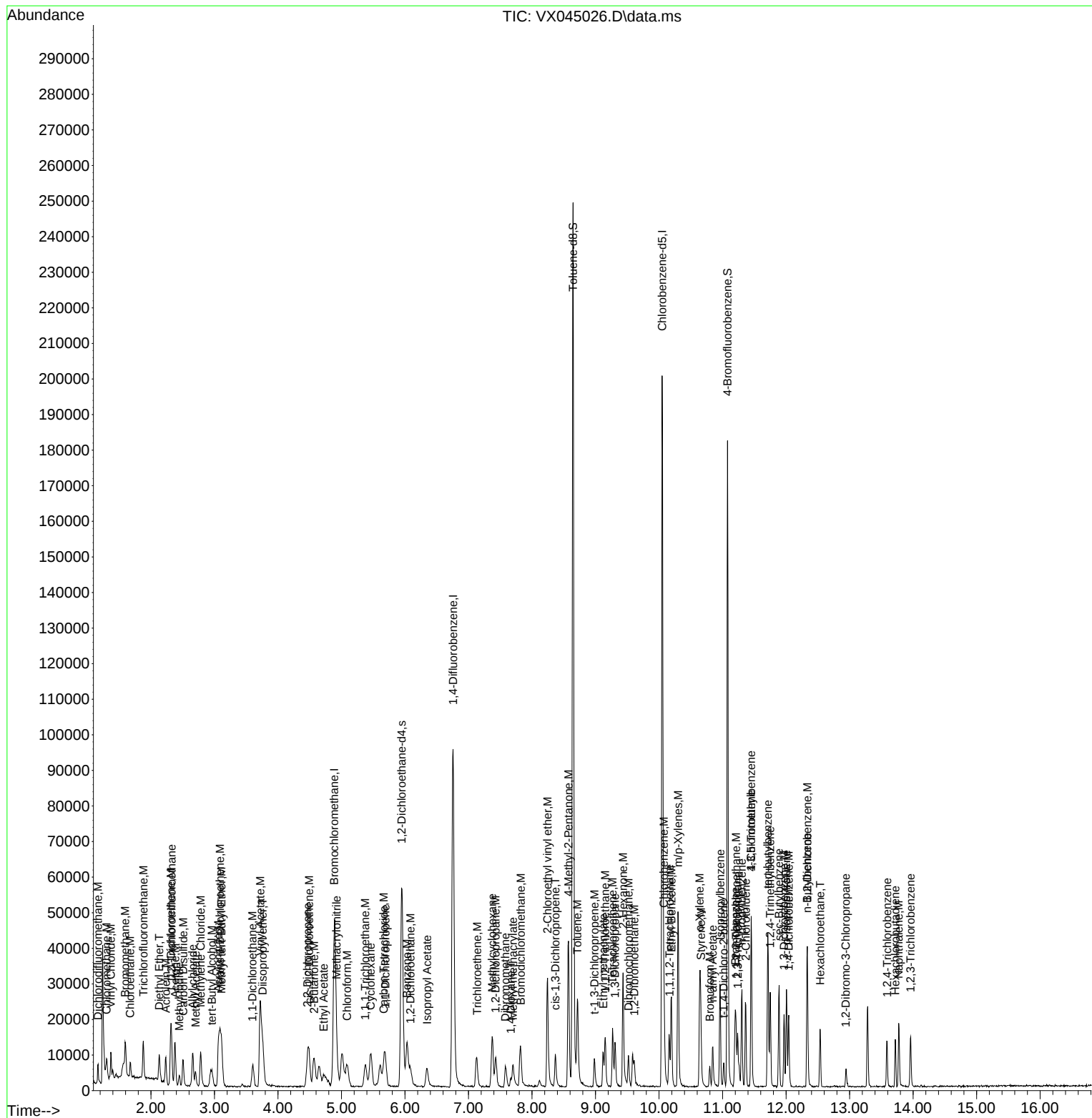
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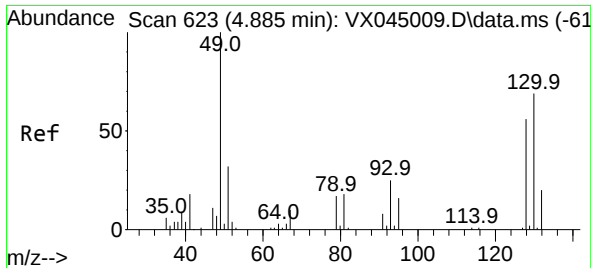
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MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025

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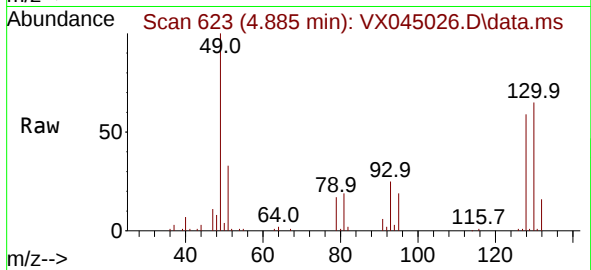
Reviewed By : John Carlone 02/25/2025
Supervised By : Mahesh Dadoda 02/25/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.885 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

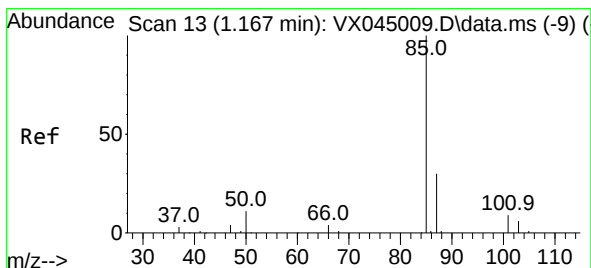
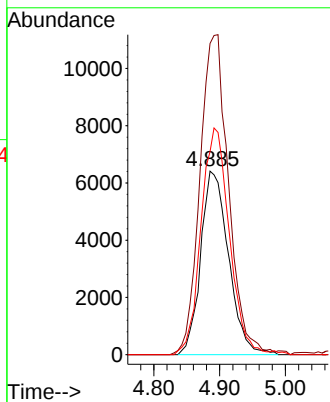
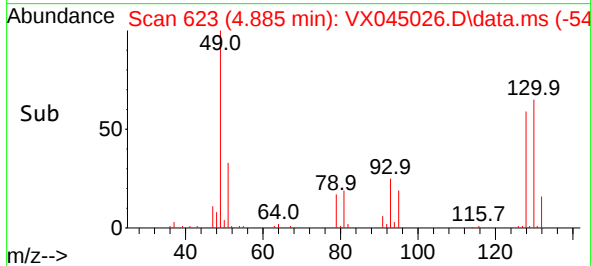
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:128 Resp: 18920
Ion Ratio Lower Upper
128 100
49 178.6 0.0 449.7
130 125.5 0.0 312.7

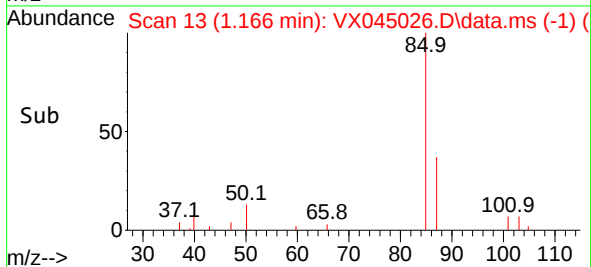
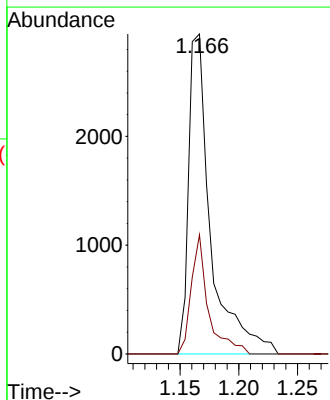
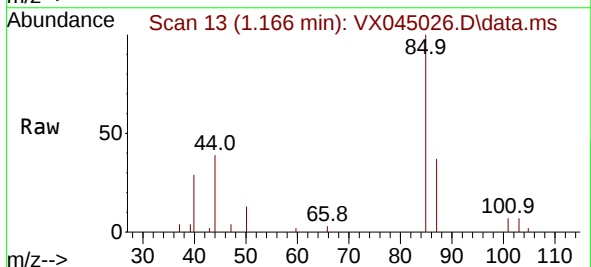
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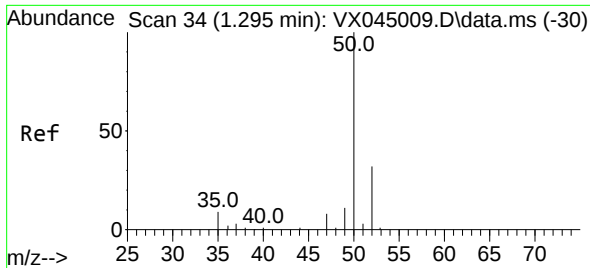
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#2
Dichlorodifluoromethane
Concen: 2.421 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 85 Resp: 3863
Ion Ratio Lower Upper
85 100
87 37.3 15.1 45.3





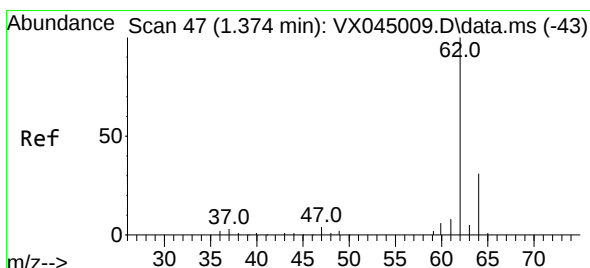
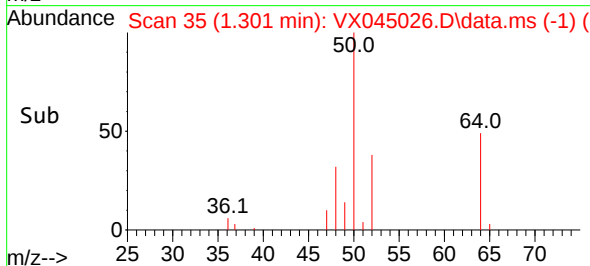
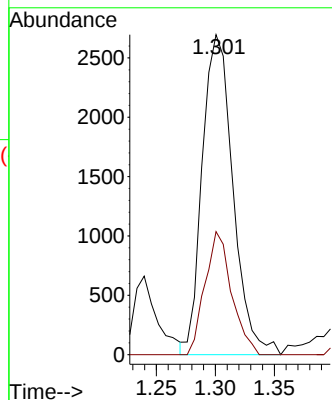
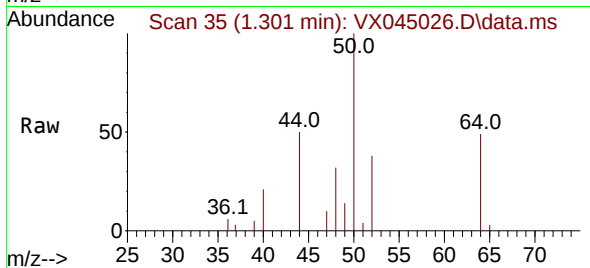
#3
Chloromethane
Concen: 2.554 ug/l m
RT: 1.301 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 50 Resp: 4880
Ion Ratio Lower Upper
50 100
52 38.4 25.7 38.5

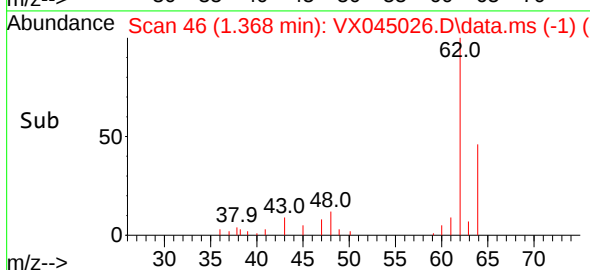
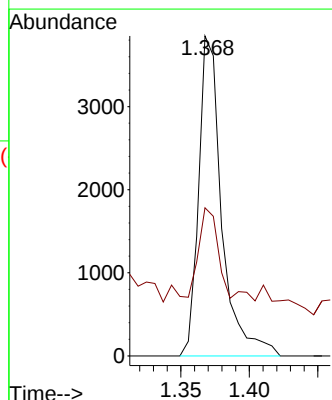
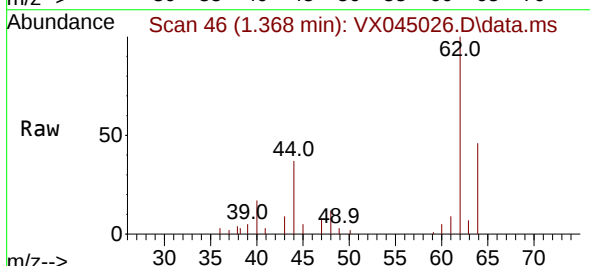
Manual Integrations
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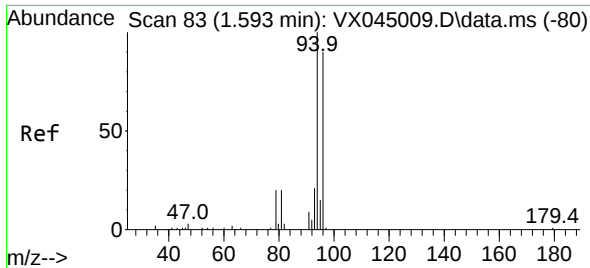
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#4
Vinyl Chloride
Concen: 2.450 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

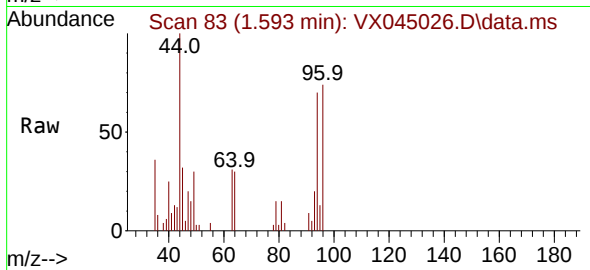
Tgt Ion: 62 Resp: 4518
Ion Ratio Lower Upper
62 100
64 29.1 25.1 37.7





#5
Bromomethane
Concen: 3.026 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

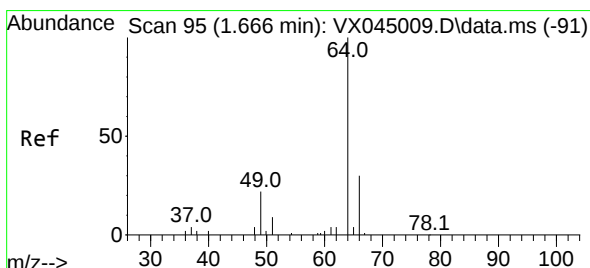
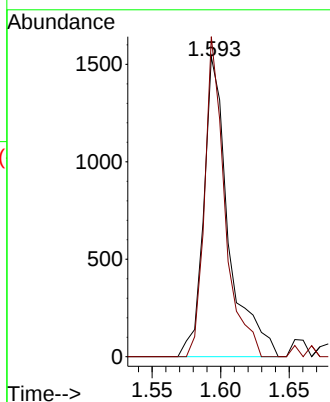
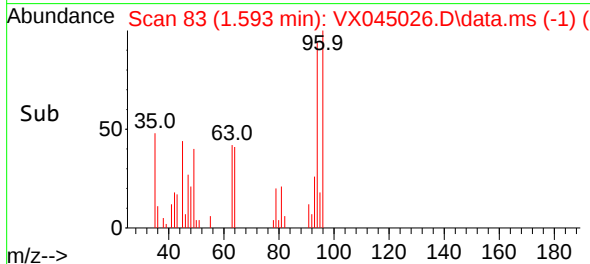
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Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 106.7 72.2 108.4

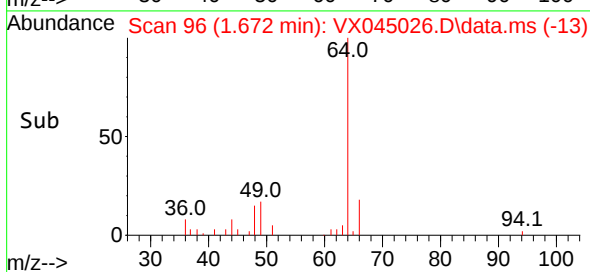
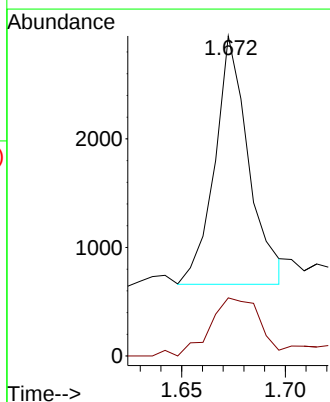
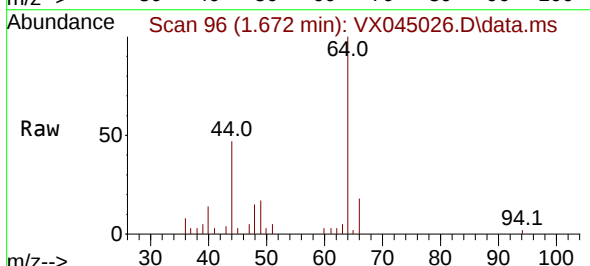
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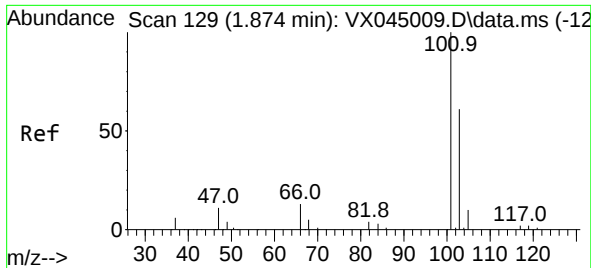
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#6
Chloroethane
Concen: 2.608 ug/l m
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045026.D
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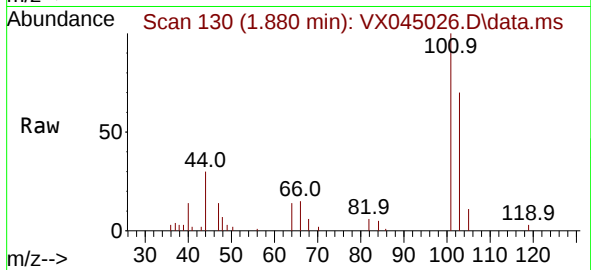
Tgt Ion: 64 Resp: 2605
Ion Ratio Lower Upper
64 100
66 18.1 23.7 35.5#





#7
 Trichlorofluoromethane
 Concen: 2.471 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

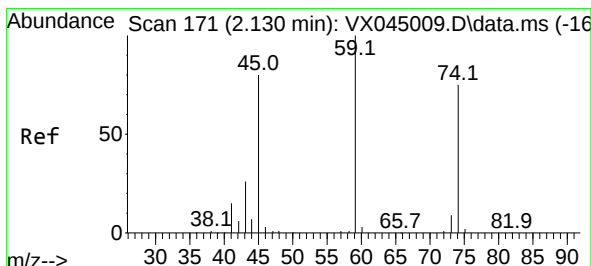
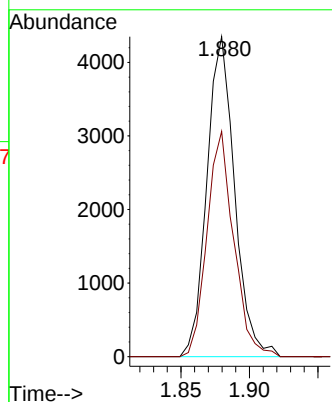
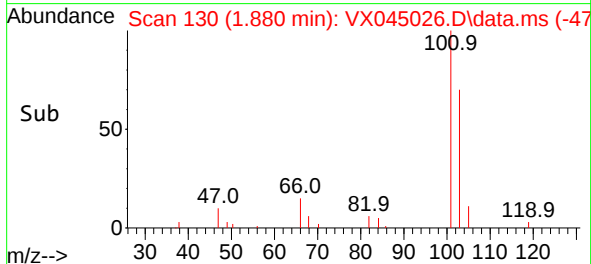
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025



Tgt Ion:101 Resp: 612
 Ion Ratio Lower Upper
 101 100
 103 70.4 48.8 73.2

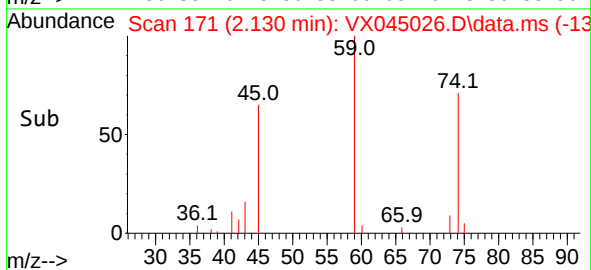
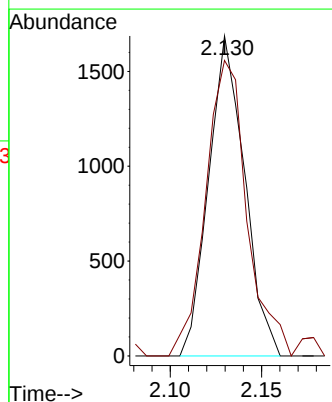
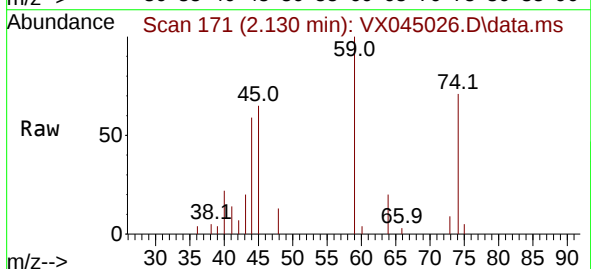
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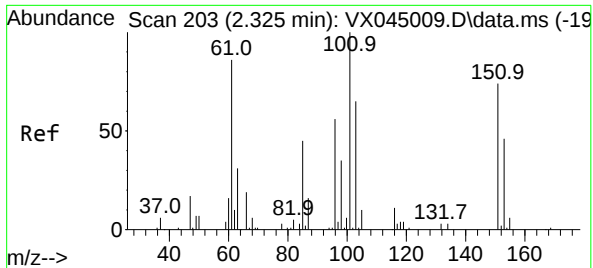
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#8
 Diethyl Ether
 Concen: 2.459 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

Tgt Ion: 74 Resp: 2306
 Ion Ratio Lower Upper
 74 100
 45 106.1 20.8 186.8





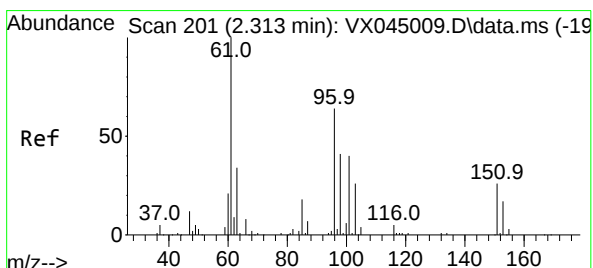
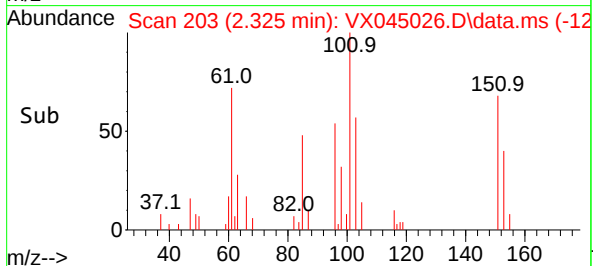
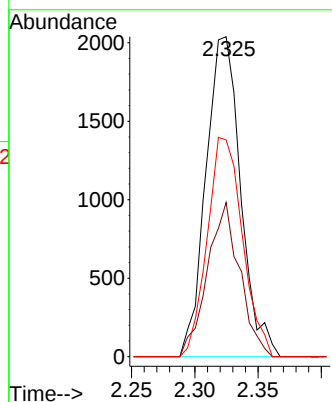
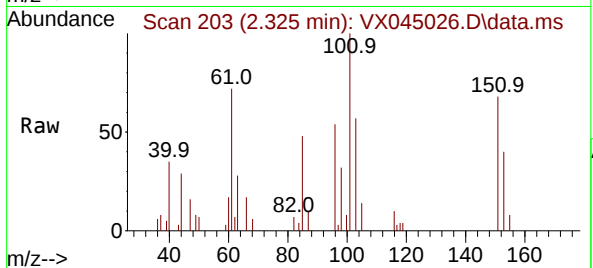
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.650 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 101 Resp: 3900
Ion Ratio Lower Upper
101 100
85 44.8 0.0 90.6
151 69.4 0.0 147.6

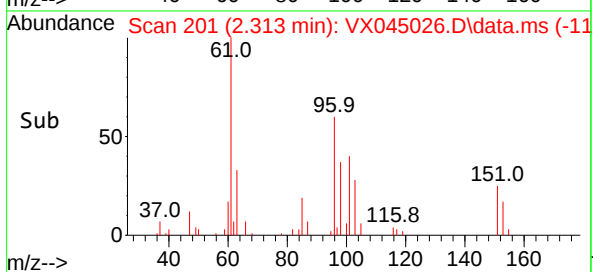
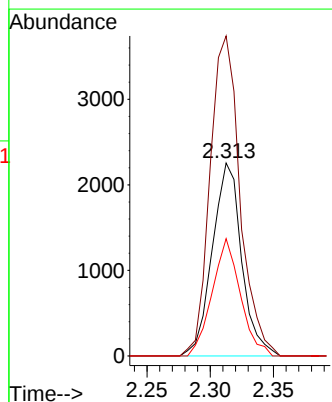
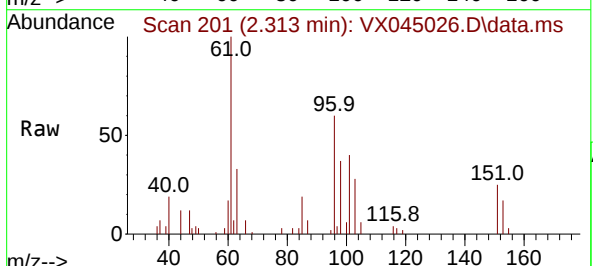
Manual Integrations
APPROVED

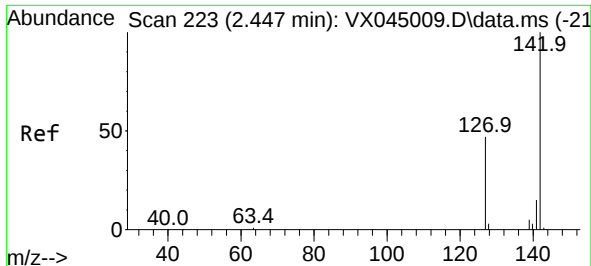
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#10
1,1-Dichloroethene
Concen: 2.528 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

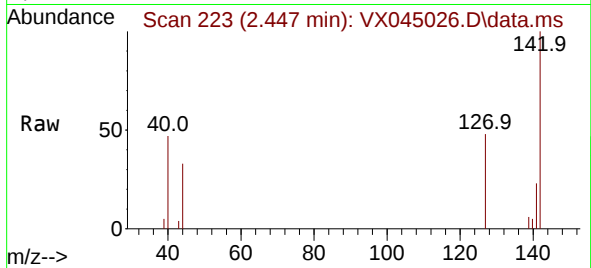
Tgt Ion: 96 Resp: 3634
Ion Ratio Lower Upper
96 100
61 165.8 124.2 186.2
98 60.7 51.1 76.7





#11
Methyl Iodide
Concen: 1.757 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

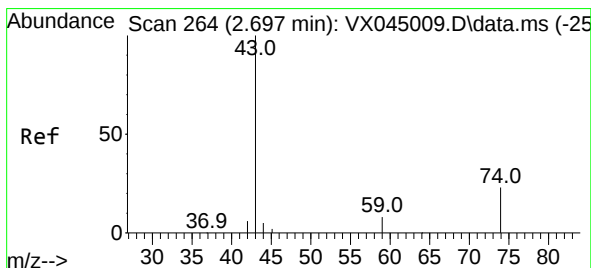
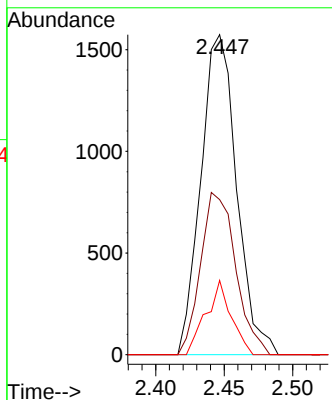
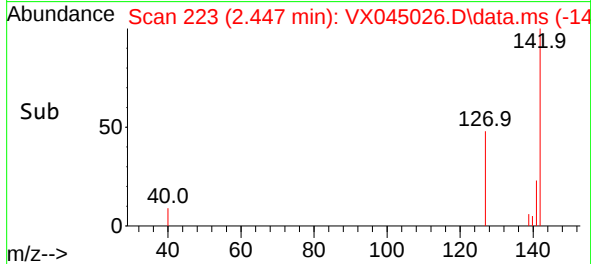
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



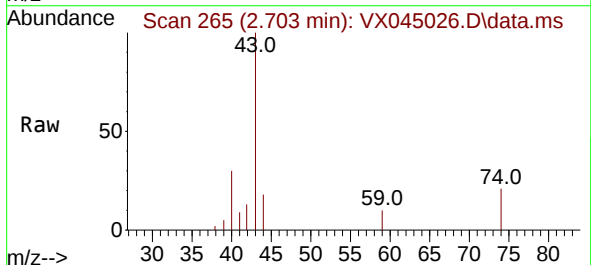
Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
127 48.5 23.3 69.9
141 23.2 7.5 22.6

Manual Integrations
APPROVED

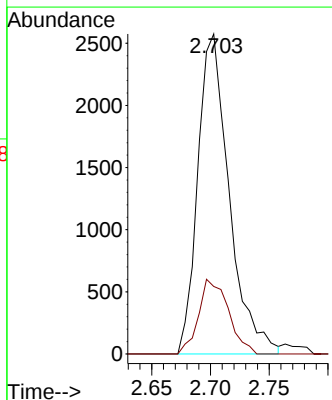
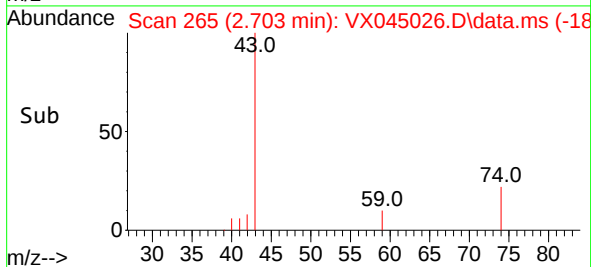
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

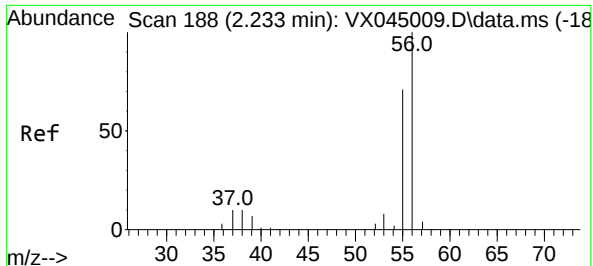


#12
Methyl Acetate
Concen: 2.867 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



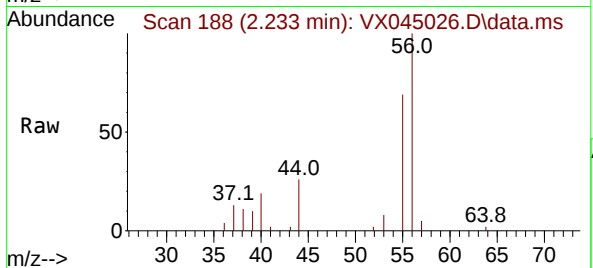
Tgt Ion: 43 Resp: 4787
Ion Ratio Lower Upper
43 100
74 21.3 17.9 26.9





#13
Acrolein
Concen: 14.822 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

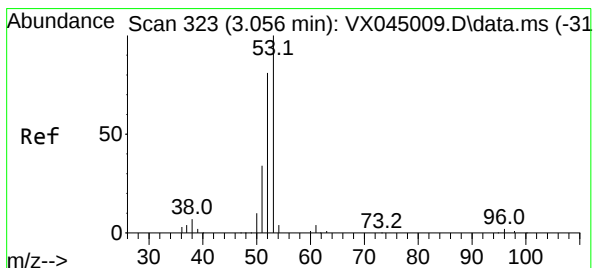
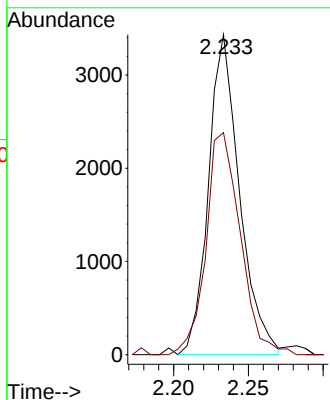
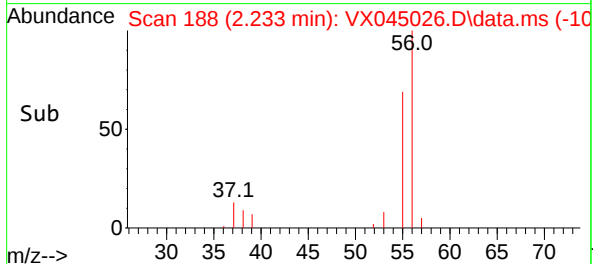
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



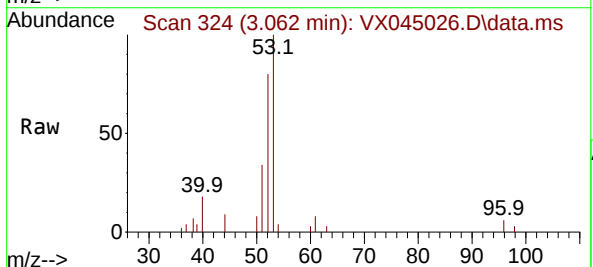
Tgt Ion: 56 Resp: 4960
Ion Ratio Lower Upper
56 100
55 76.6 55.4 83.2

Manual Integrations
APPROVED

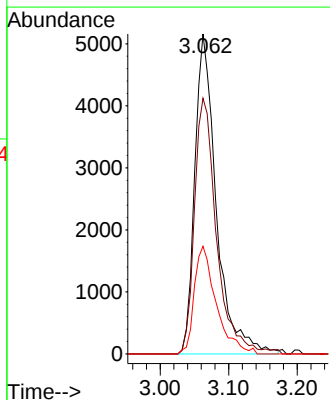
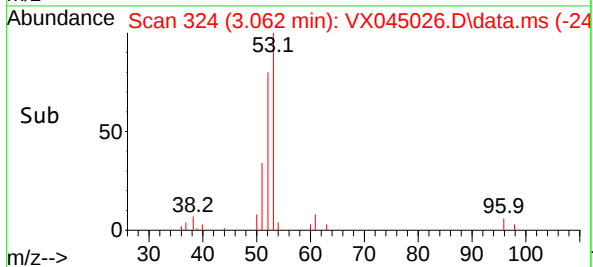
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

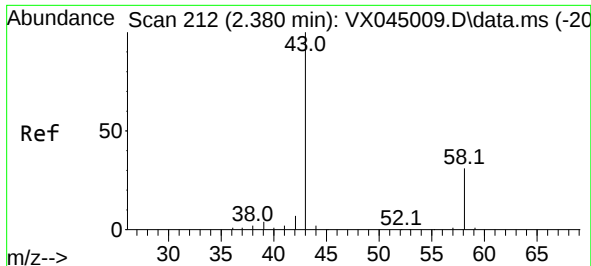


#14
Acrylonitrile
Concen: 13.860 ug/l
RT: 3.062 min Scan# 324
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



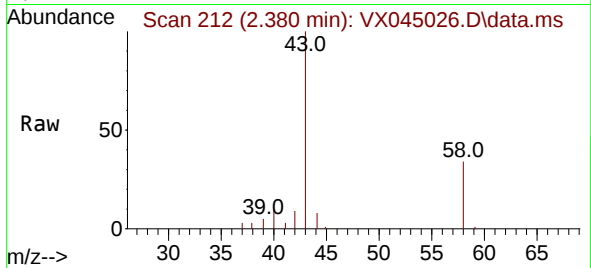
Tgt Ion: 53 Resp: 11303
Ion Ratio Lower Upper
53 100
52 81.2 40.9 122.8
51 32.5 18.0 54.0





#15
Acetone
Concen: 17.791 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

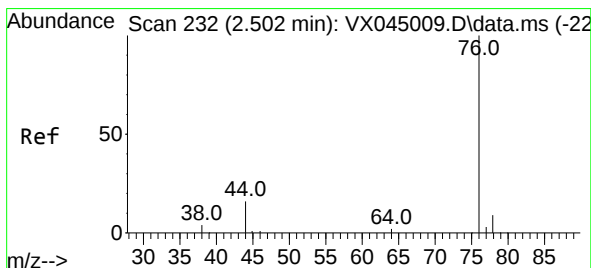
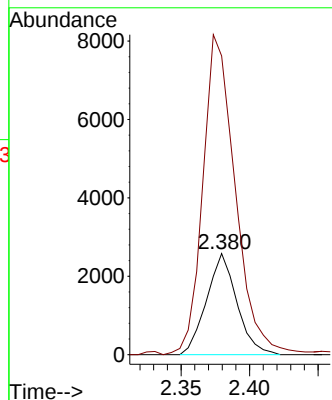
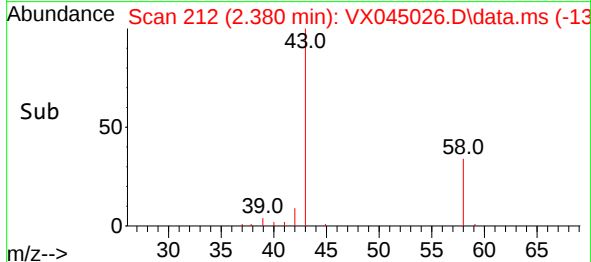
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 58 Resp: 3979
Ion Ratio Lower Upper
58 100
43 289.1 258.6 388.0

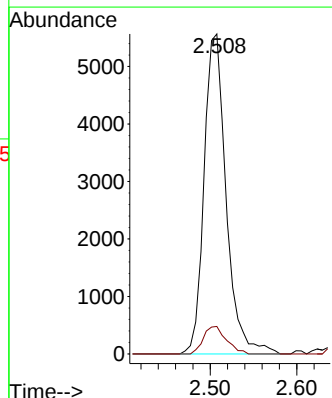
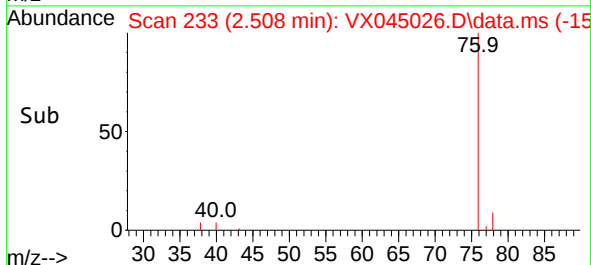
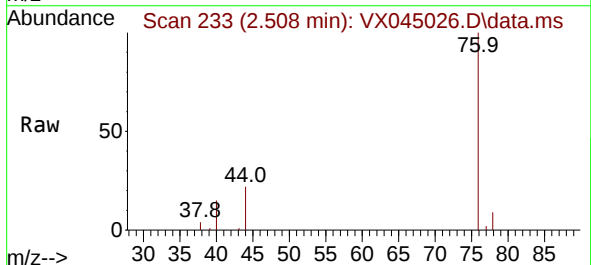
Manual Integrations
APPROVED

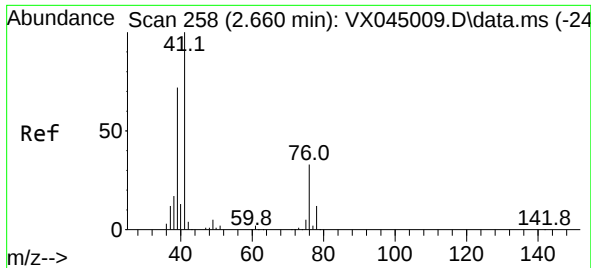
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#16
Carbon Disulfide
Concen: 2.417 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

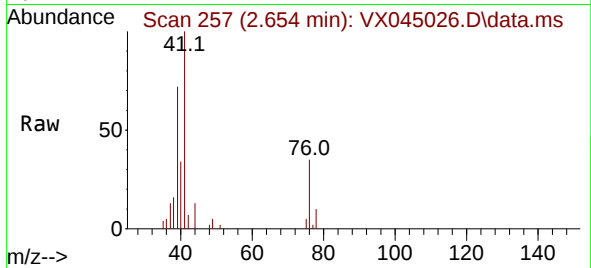
Tgt Ion: 76 Resp: 9858
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





#17
 Allyl chloride
 Concen: 2.347 ug/l
 RT: 2.654 min Scan# 257
 Delta R.T. -0.006 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

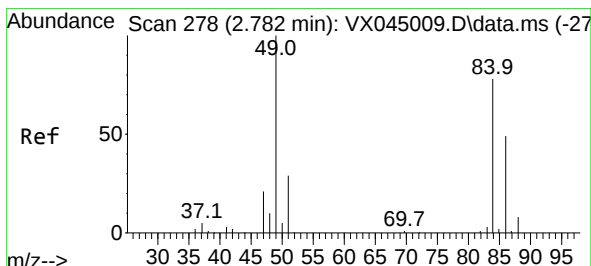
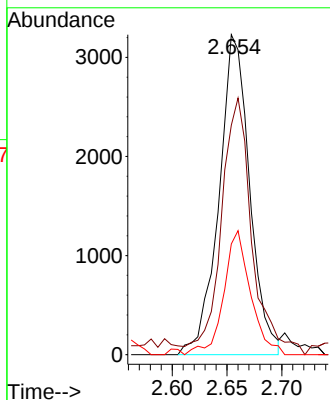
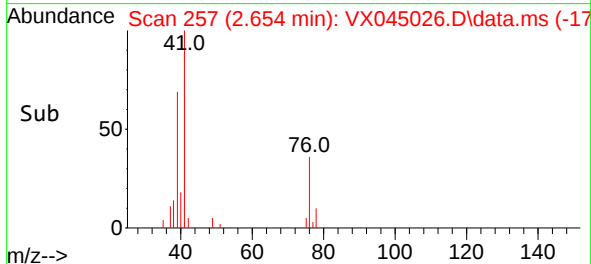
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025



Tgt Ion: 41 Resp: 6310
 Ion Ratio Lower Upper
 41 100
 39 69.0 36.2 108.6
 76 33.0 17.2 51.5

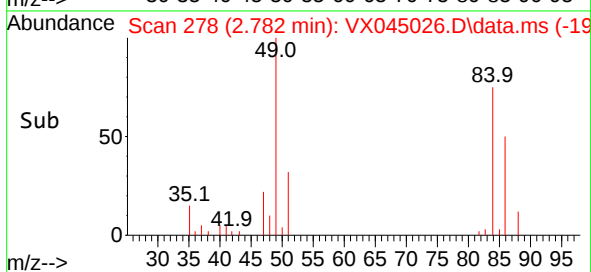
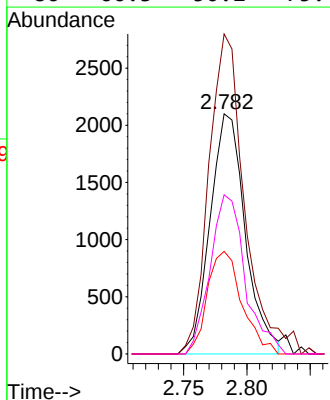
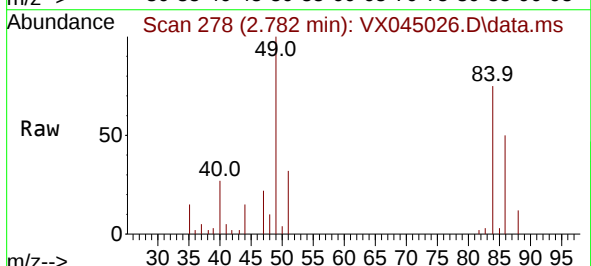
Manual Integrations
 APPROVED

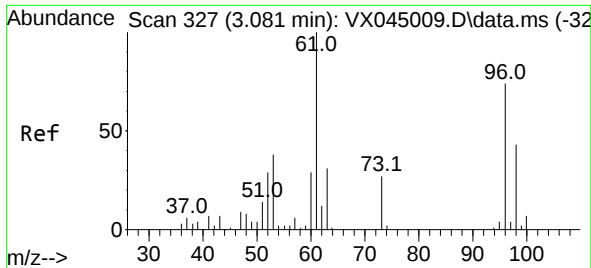
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#18
 Methylene Chloride
 Concen: 2.515 ug/l
 RT: 2.782 min Scan# 278
 Delta R.T. -0.000 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

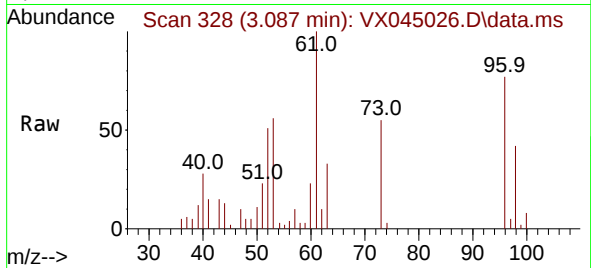
Tgt Ion: 84 Resp: 4067
 Ion Ratio Lower Upper
 84 100
 49 133.3 102.8 154.2
 51 42.7 30.1 45.1
 86 66.3 50.2 75.4





#19
trans-1,2-Dichloroethene
Concen: 2.659 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

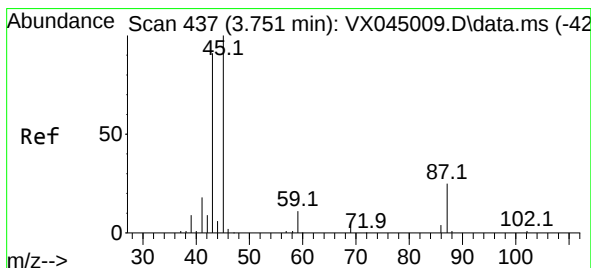
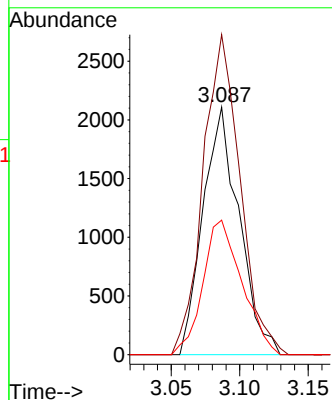
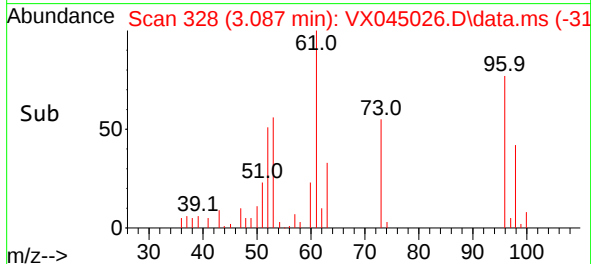
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



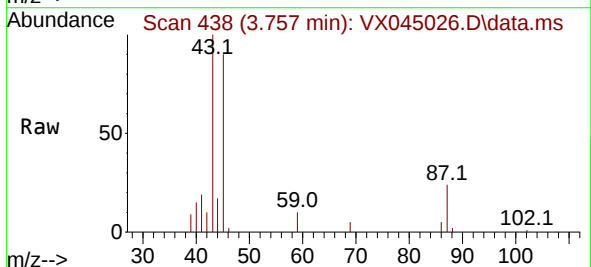
Tgt Ion: 96 Resp: 386
Ion Ratio Lower Upper
96 100
61 126.8 108.6 163.0
98 54.4 46.5 69.7

Manual Integrations
APPROVED

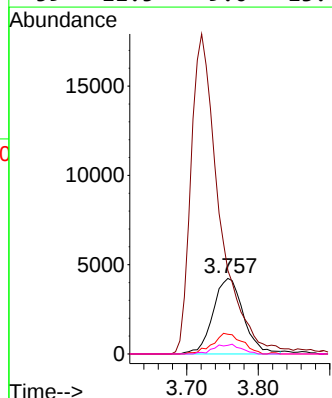
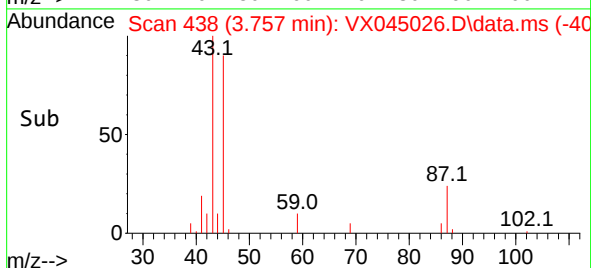
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

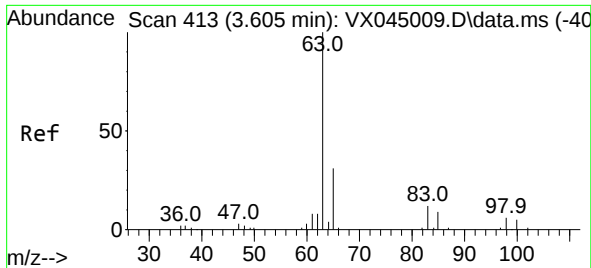


#20
Diisopropyl ether
Concen: 2.418 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion: 45 Resp: 12495
Ion Ratio Lower Upper
45 100
43 103.3 74.4 111.6
87 26.0 19.8 29.8
59 11.5 9.0 13.4





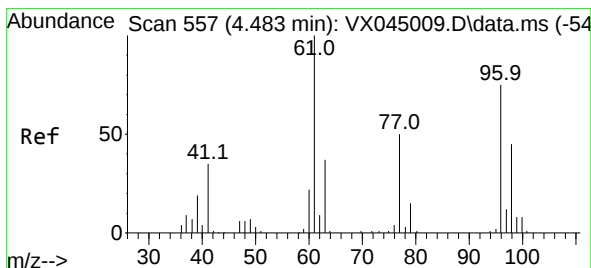
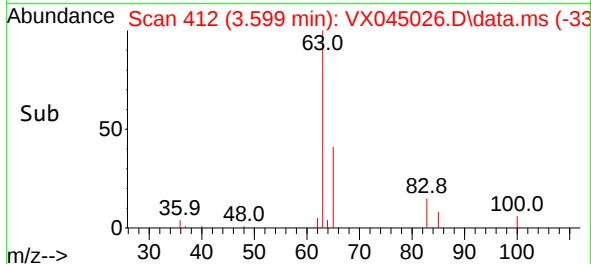
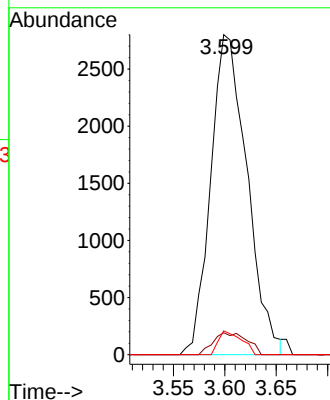
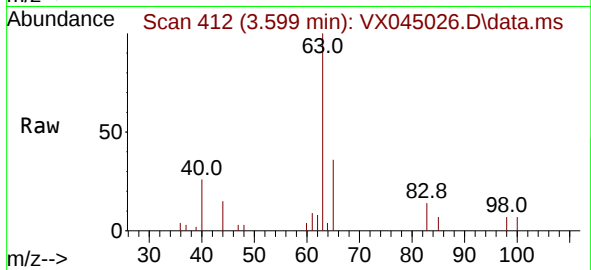
#21
1,1-Dichloroethane
Concen: 2.392 ug/l
RT: 3.599 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 63 Resp: 6874
Ion Ratio Lower Upper
63 100
98 6.9 3.3 9.8
100 7.5 2.4 7.1

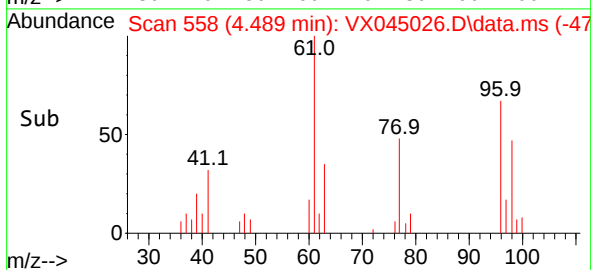
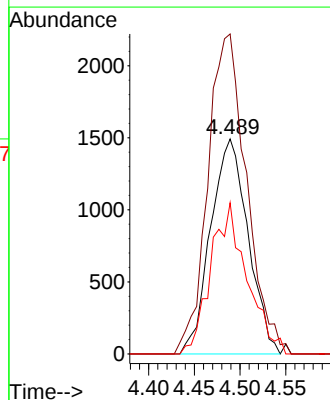
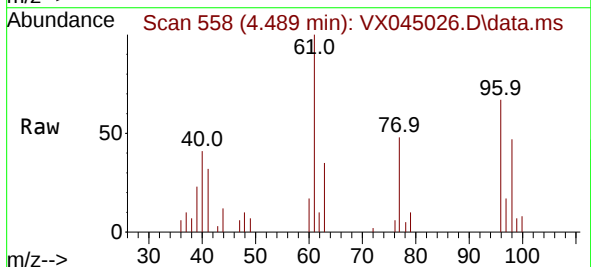
Manual Integrations
APPROVED

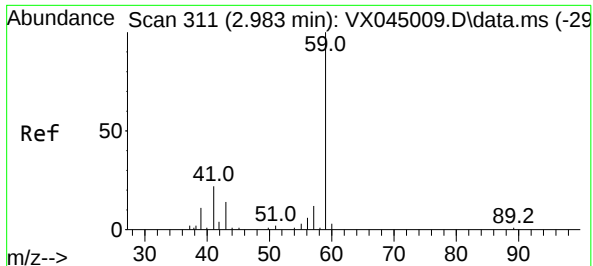
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#22
cis-1,2-Dichloroethene
Concen: 2.444 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 96 Resp: 4260
Ion Ratio Lower Upper
96 100
61 153.6 118.9 178.3
98 36.5 50.7 76.1





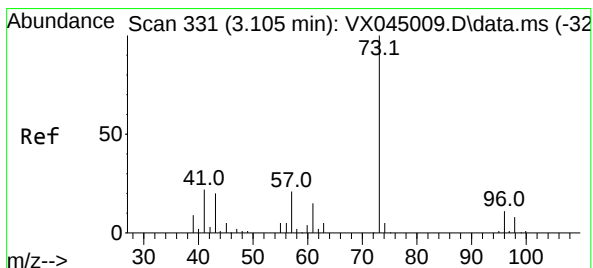
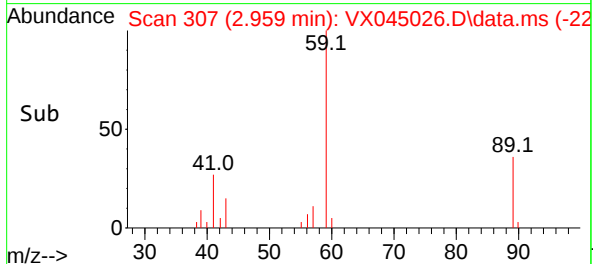
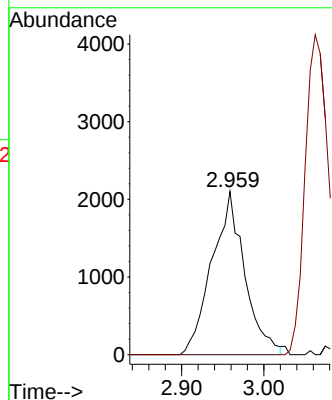
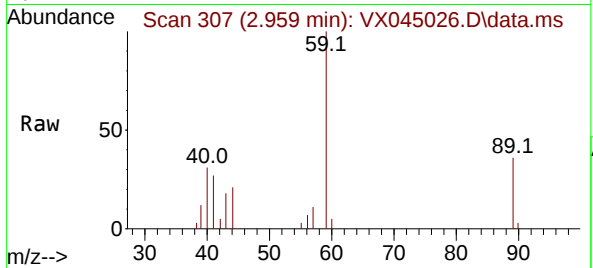
#23
tert-Butyl Alcohol
Concen: 20.422 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 59 Resp: 5814
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

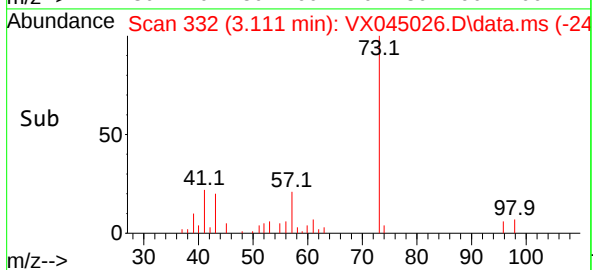
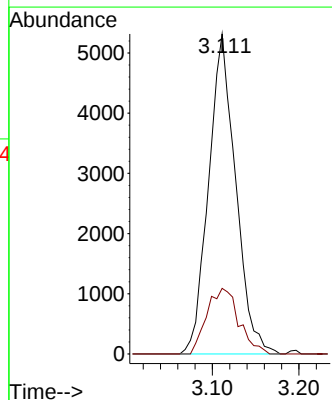
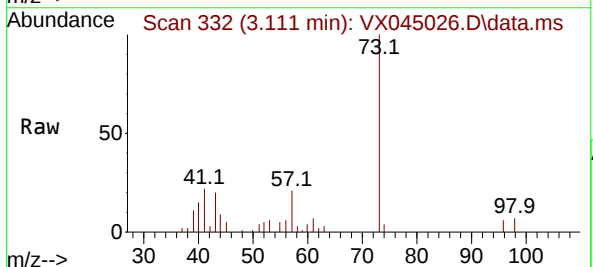
Manual Integrations
APPROVED

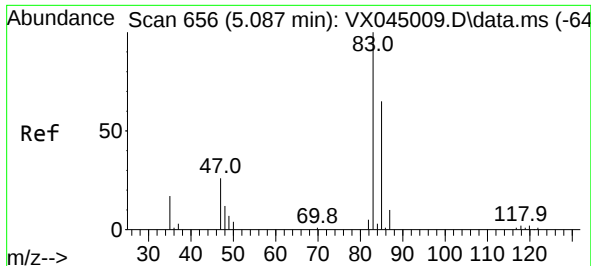
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#24
Methyl tert-Butyl Ether
Concen: 2.461 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 73 Resp: 11546
Ion Ratio Lower Upper
73 100
43 24.2 17.4 26.0





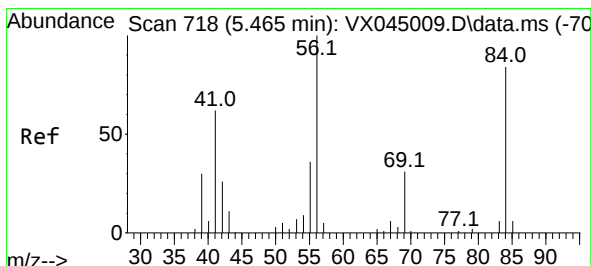
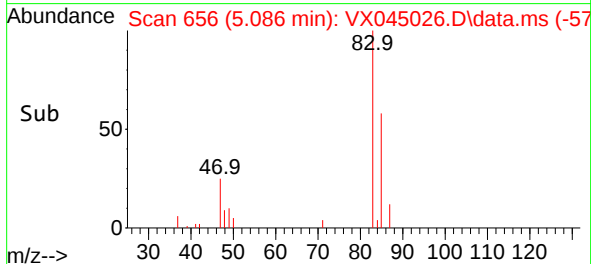
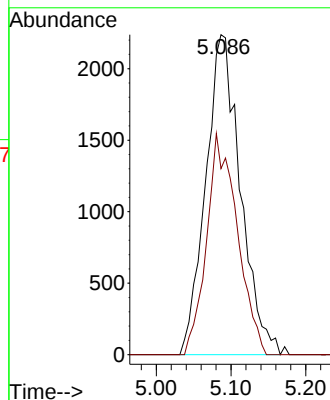
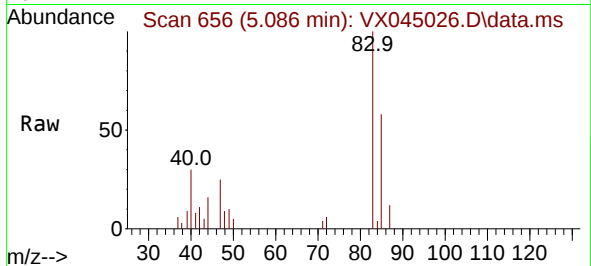
#25
Chloroform
Concen: 2.601 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 83 Resp: 7219
Ion Ratio Lower Upper
83 100
85 58.2 51.7 77.5

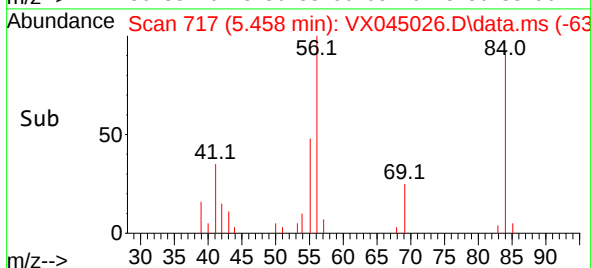
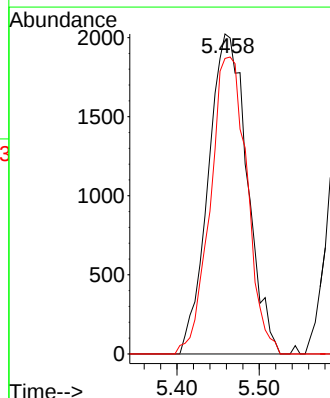
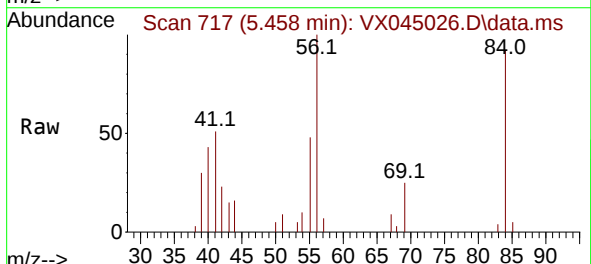
Manual Integrations
APPROVED

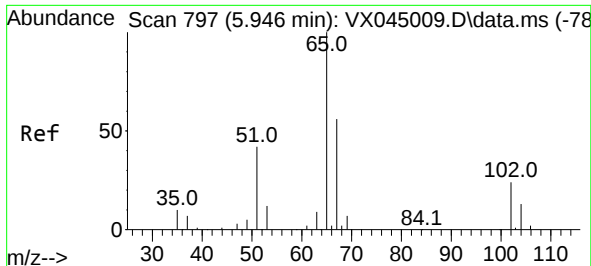
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#26
Cyclohexane
Concen: 2.511 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 56 Resp: 6660
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.2 67.1 100.7





#27

1,2-Dichloroethane-d4

Concen: 28.826 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

Tgt Ion: 65 Resp: 5298

Ion Ratio Lower Upper

65 100

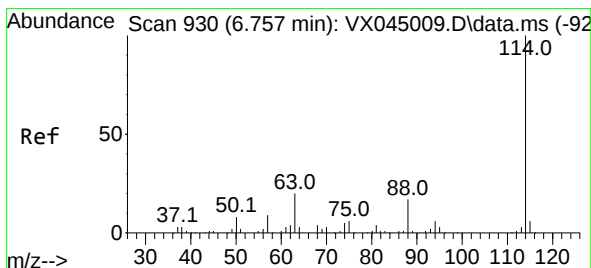
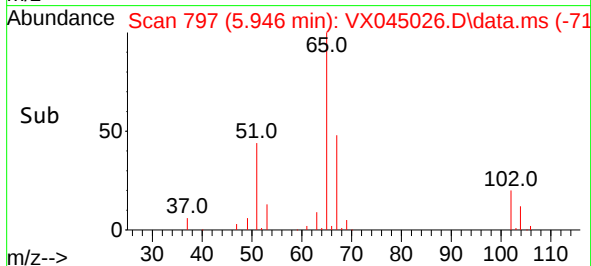
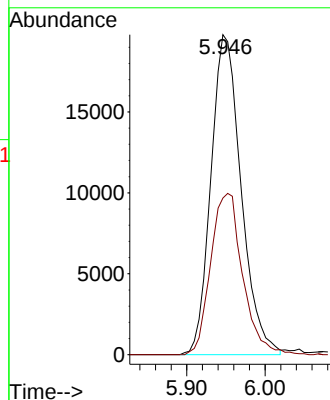
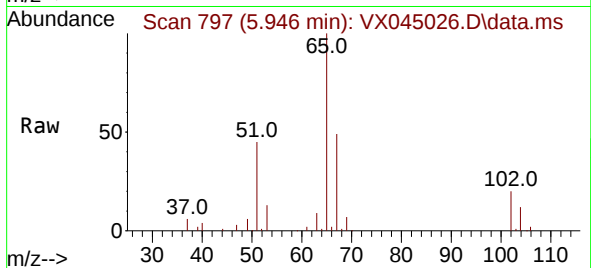
67 53.3 42.6 64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

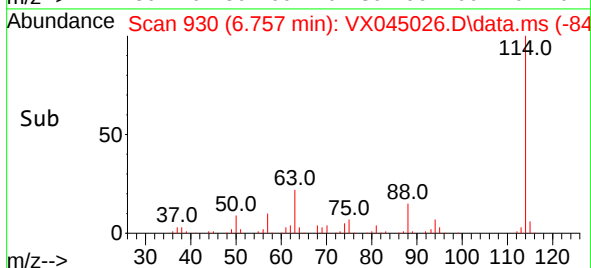
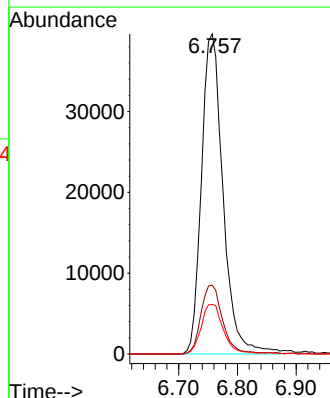
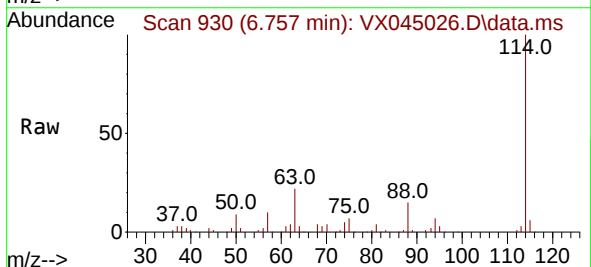
Tgt Ion:114 Resp: 101043

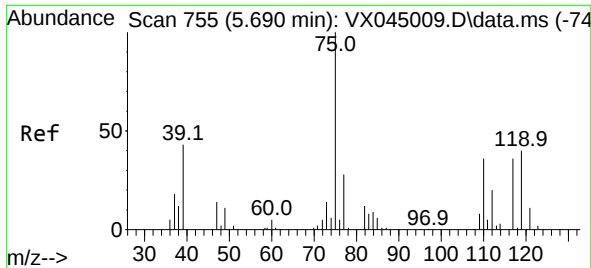
Ion Ratio Lower Upper

114 100

63 21.4 16.8 25.2

88 15.6 12.7 19.1





#29

1,1-Dichloropropene

Concen: 2.477 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

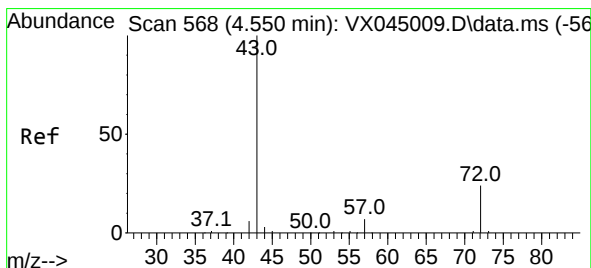
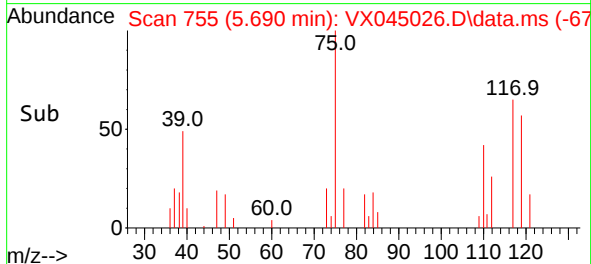
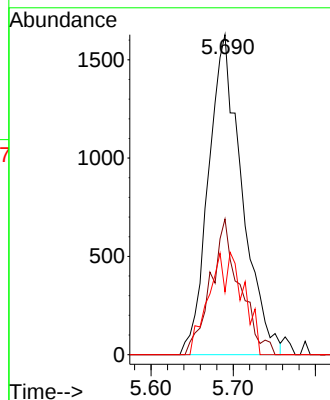
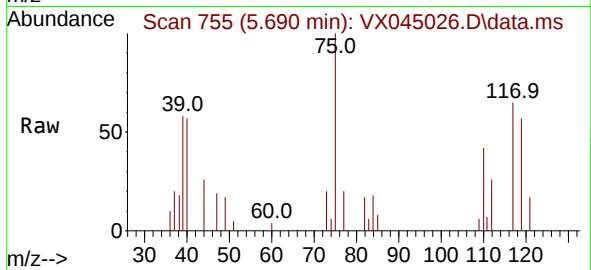
Tgt Ion: 75	Resp: 4604
Ion Ratio	Lower Upper
75 100	
110 35.9	0.0 69.2
77 16.6	0.0 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#30

2-Butanone

Concen: 15.749 ug/l

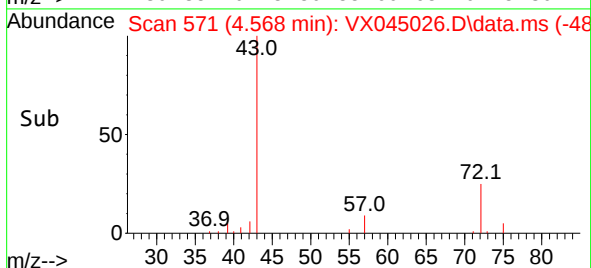
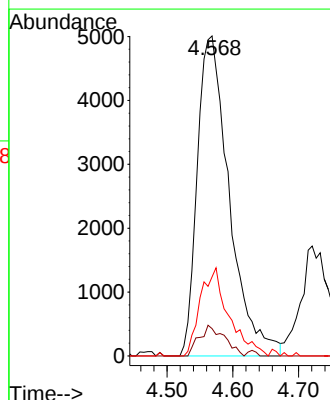
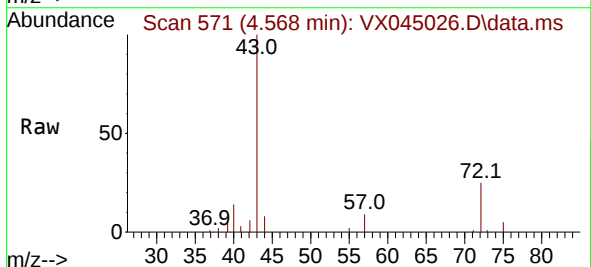
RT: 4.568 min Scan# 571

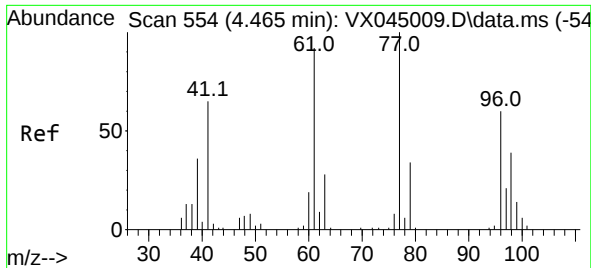
Delta R.T. 0.018 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Tgt Ion: 43	Resp: 16908
Ion Ratio	Lower Upper
43 100	
57 0.8	6.2 9.2
72 23.3	20.2 30.2





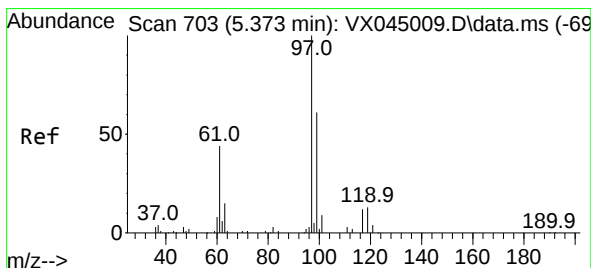
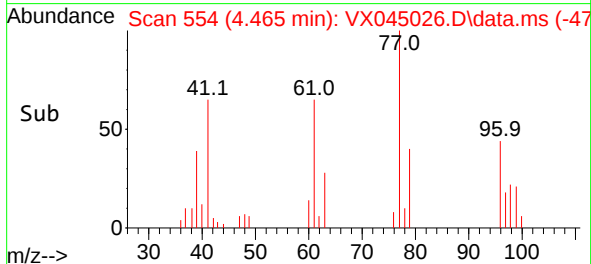
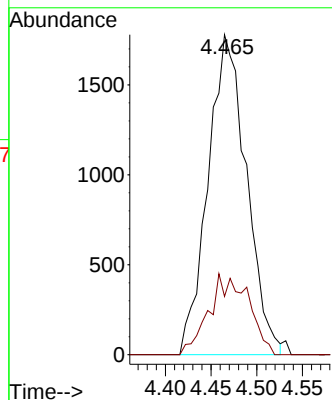
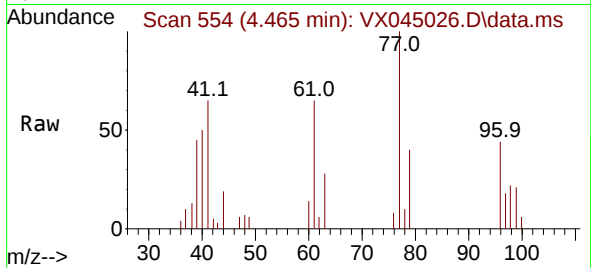
#31
2,2-Dichloropropane
Concen: 2.474 ug/l
RT: 4.465 min Scan# 519
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 77 Resp: 519
Ion Ratio Lower Upper
77 100
97 2.3 18.0 27.0

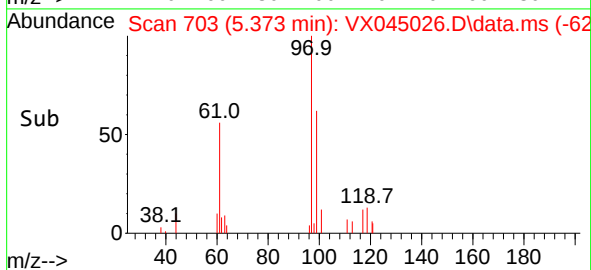
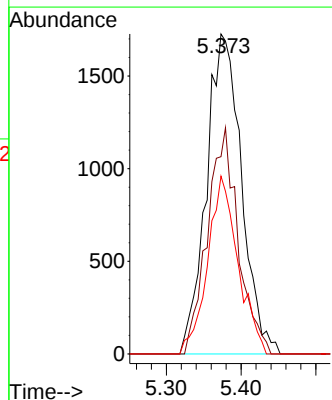
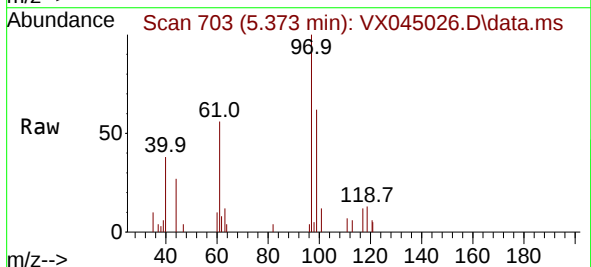
Manual Integrations
APPROVED

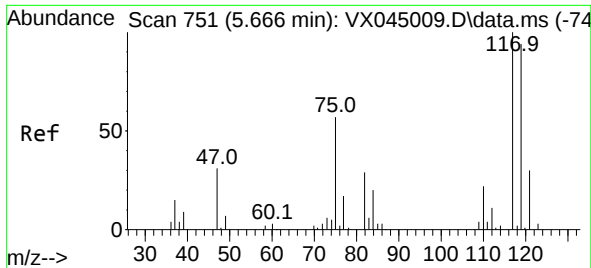
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#32
1,1,1-Trichloroethane
Concen: 2.503 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

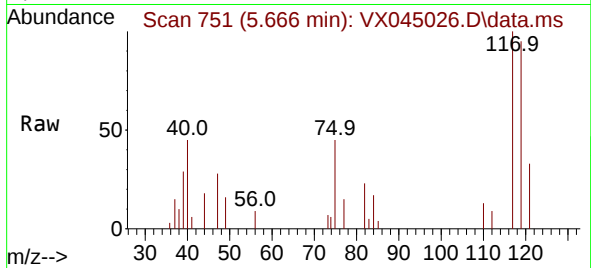
Tgt Ion: 97 Resp: 5638
Ion Ratio Lower Upper
97 100
99 61.8 52.2 78.2
61 48.1 38.5 57.7





#33
Carbon Tetrachloride
Concen: 2.457 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

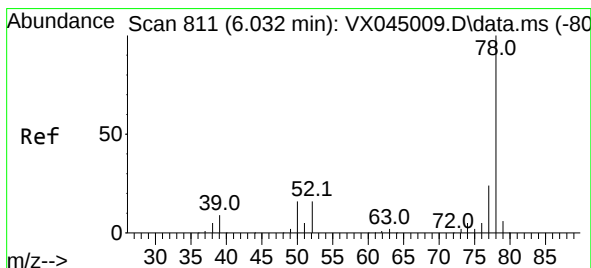
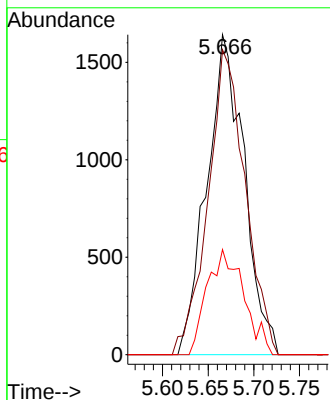
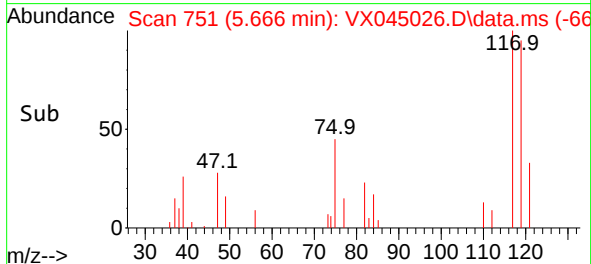
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



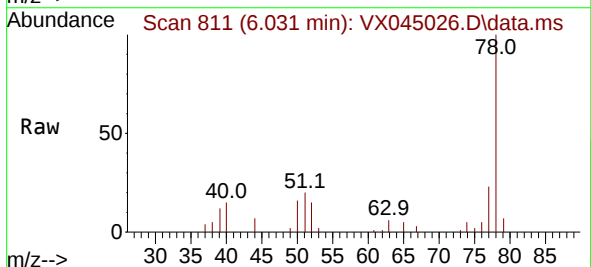
Tgt Ion: 117 Resp: 4669
Ion Ratio Lower Upper
117 100
119 95.3 75.1 112.7
121 32.9 23.9 35.9

Manual Integrations
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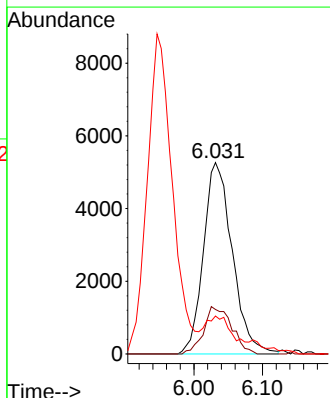
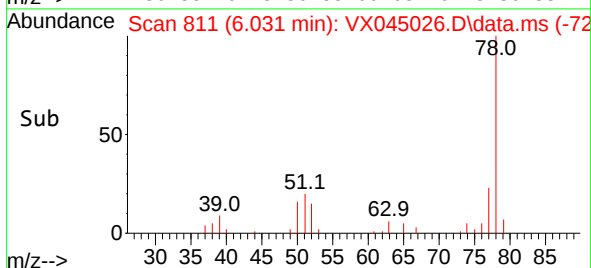
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

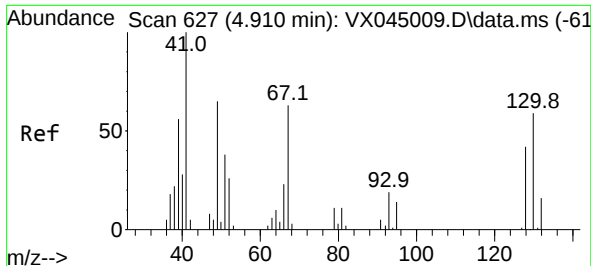


#34
Benzene
Concen: 2.641 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



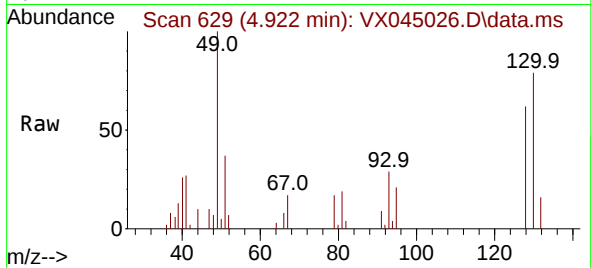
Tgt Ion: 78 Resp: 15393
Ion Ratio Lower Upper
78 100
77 23.2 19.6 29.4
51 18.0 13.8 20.6





#35
Methacrylonitrile
Concen: 2.373 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

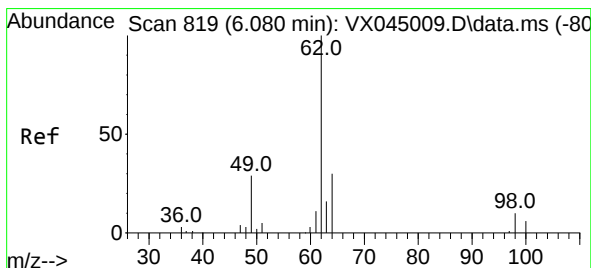
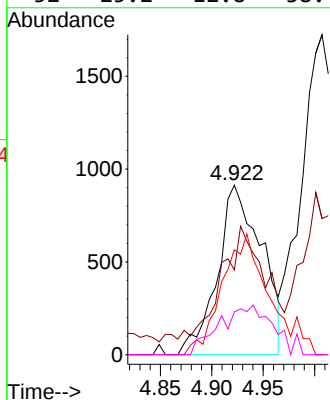
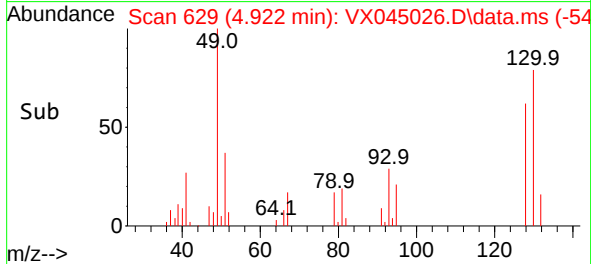
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 41 Resp: 2720
Ion Ratio Lower Upper
41 100
39 40.9 27.8 83.4
67 61.8 31.5 94.5
52 25.2 12.8 38.4

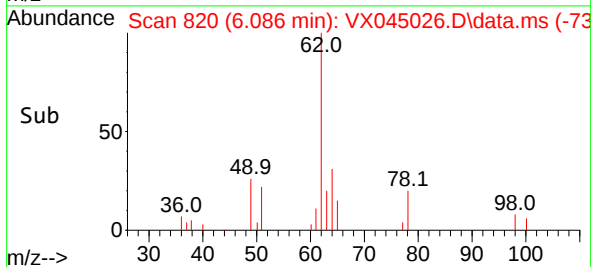
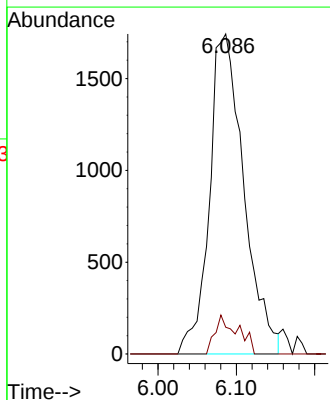
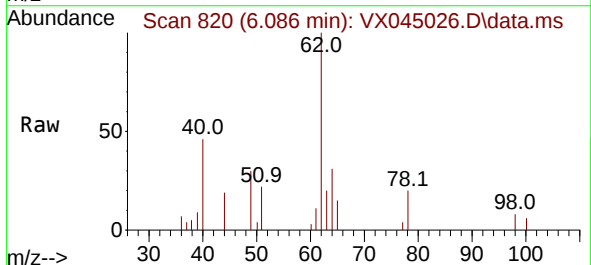
Manual Integrations
APPROVED

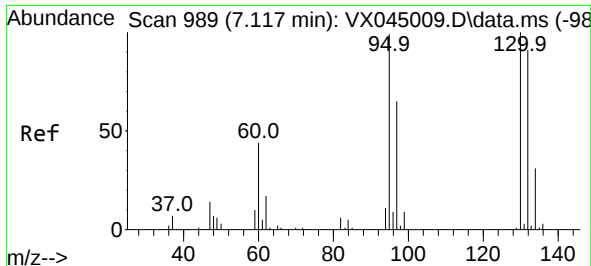
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#36
1,2-Dichloroethane
Concen: 2.664 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

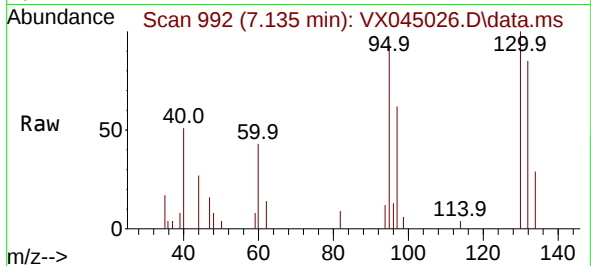
Tgt Ion: 62 Resp: 5317
Ion Ratio Lower Upper
62 100
98 5.6 7.9 11.9#





#37
Trichloroethene
Concen: 2.454 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.018 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

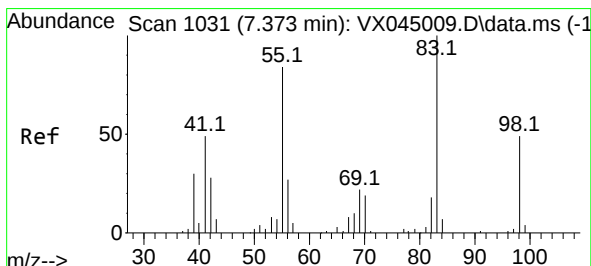
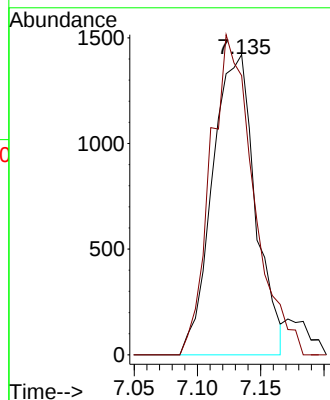
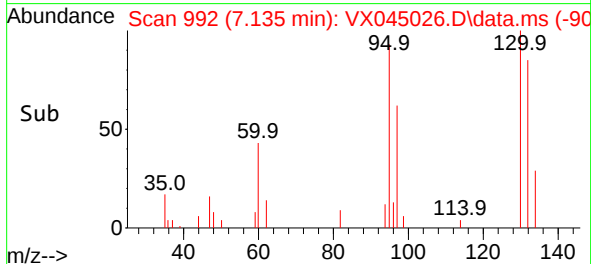
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



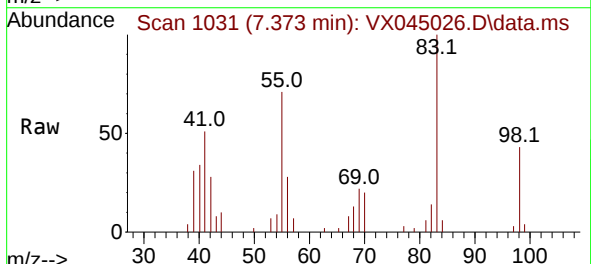
Tgt Ion:130 Resp: 3340
Ion Ratio Lower Upper
130 100
95 93.0 79.0 118.4

Manual Integrations
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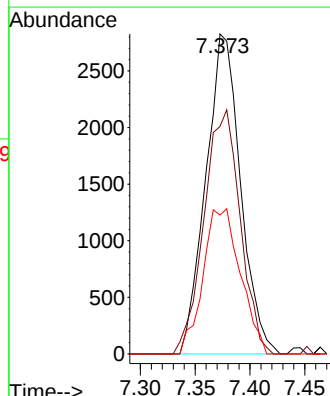
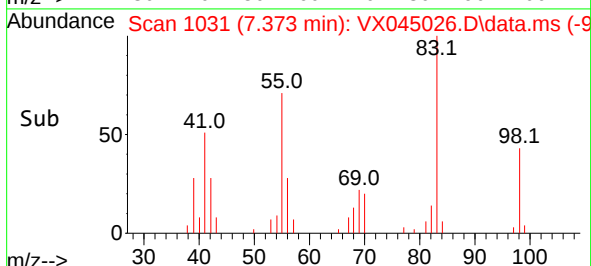
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

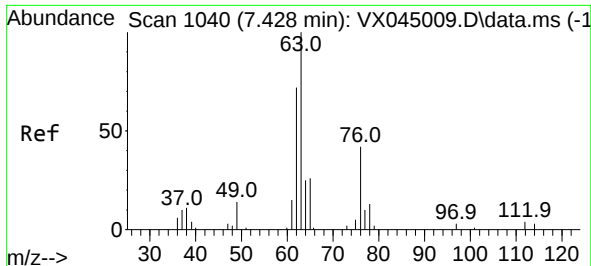


#38
Methylcyclohexane
Concen: 2.497 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion: 83 Resp: 6233
Ion Ratio Lower Upper
83 100
55 79.5 40.6 122.0
98 48.7 24.9 74.6





#39

1,2-Dichloropropane

Concen: 2.365 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

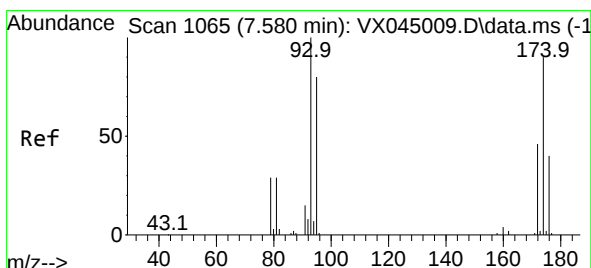
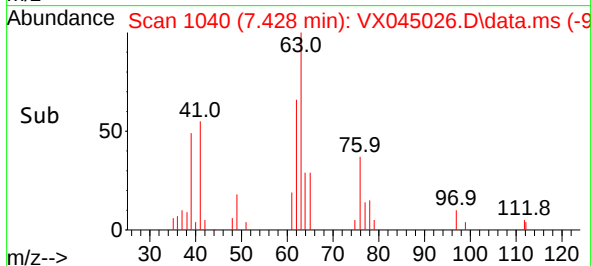
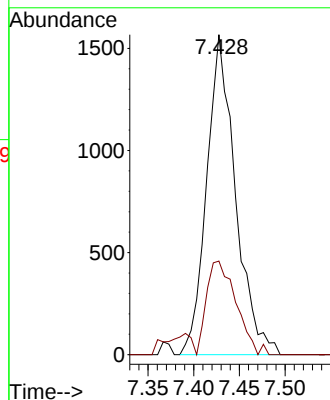
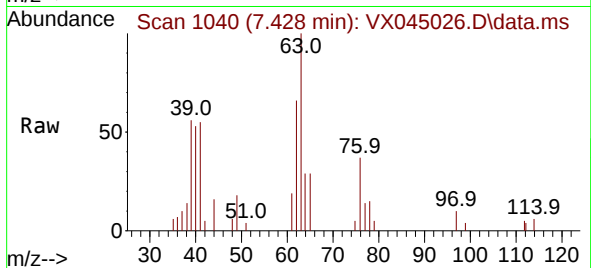
ClientSampleId :

MDL-WATER-03-QT1-2025

Tgt Ion: 63 Resp: 342
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.3 36.5

Manual Integrations
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Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#40

Dibromomethane

Concen: 2.704 ug/l

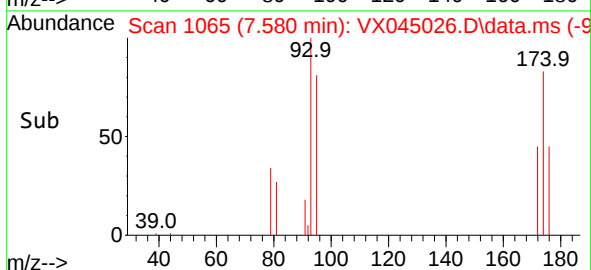
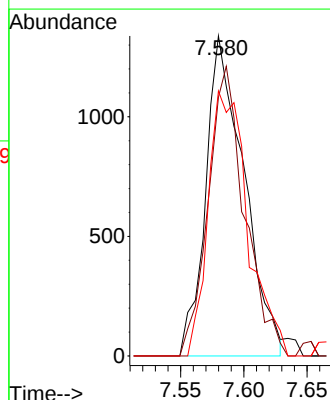
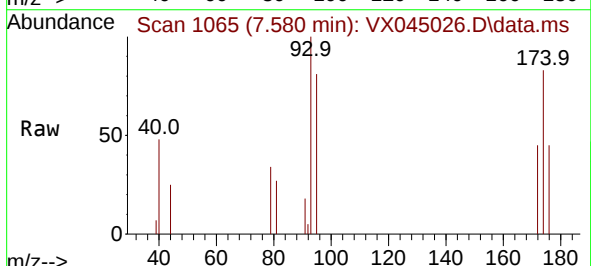
RT: 7.580 min Scan# 1065

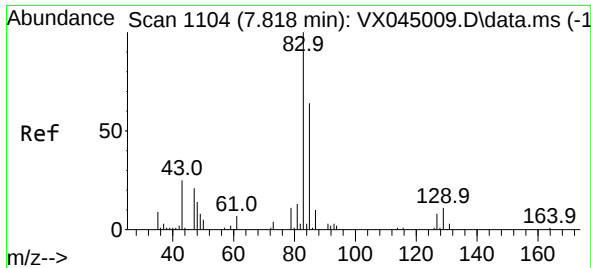
Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

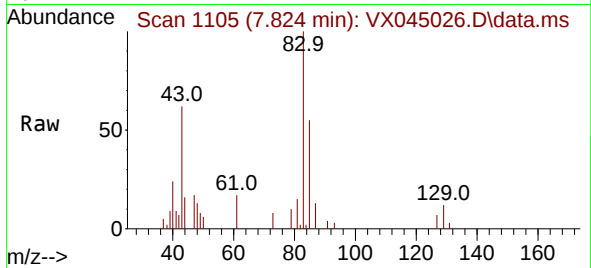
Tgt Ion: 93 Resp: 2812
 Ion Ratio Lower Upper
 93 100
 95 86.5 0.0 162.6
 174 85.7 0.0 178.8





#41
Bromodichloromethane
Concen: 2.421 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

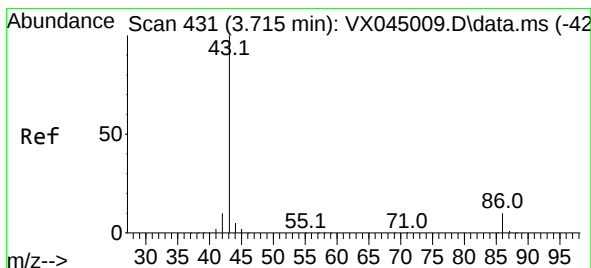
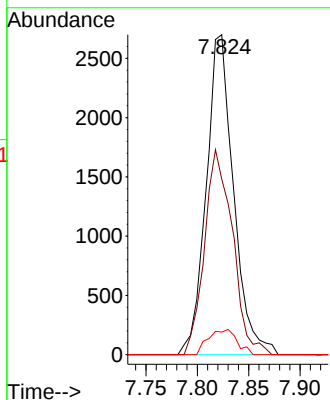
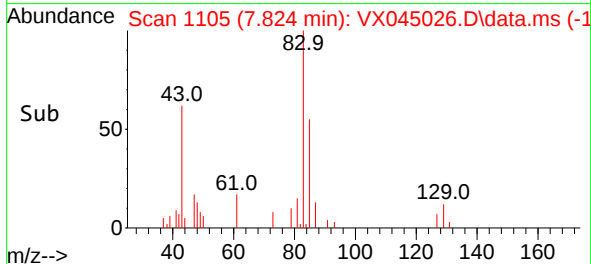
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



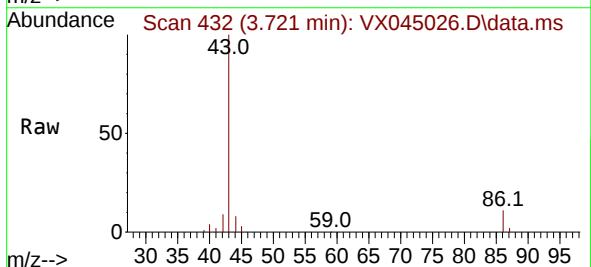
Tgt Ion: 83 Resp: 5004
Ion Ratio Lower Upper
83 100
85 54.9 51.0 76.6
127 7.1 6.1 9.1

Manual Integrations
APPROVED

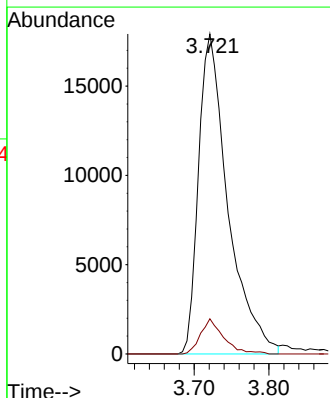
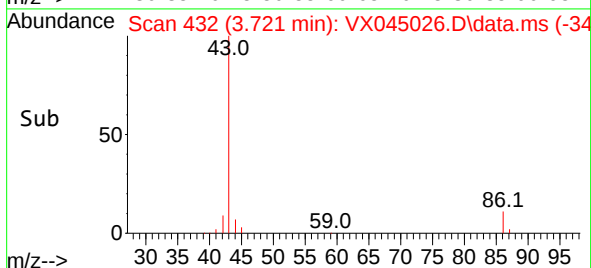
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

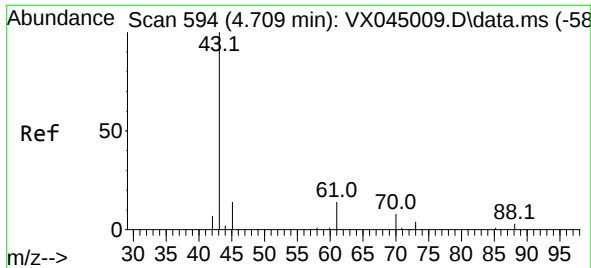


#42
Vinyl Acetate
Concen: 11.759 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



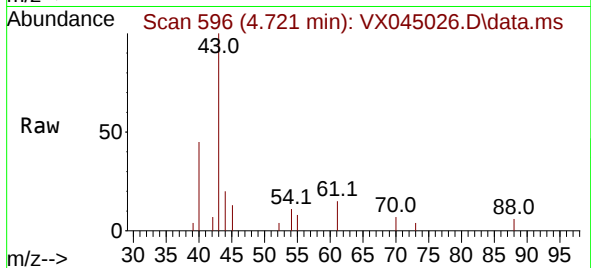
Tgt Ion: 43 Resp: 48987
Ion Ratio Lower Upper
43 100
86 8.6 7.0 10.4





#43
Ethyl Acetate
Concen: 2.793 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

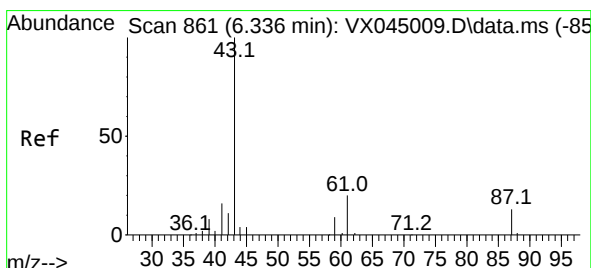
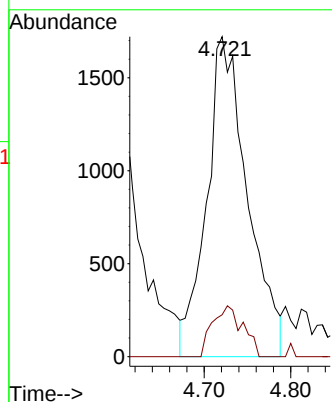
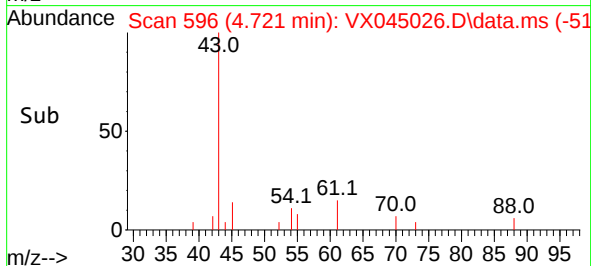
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



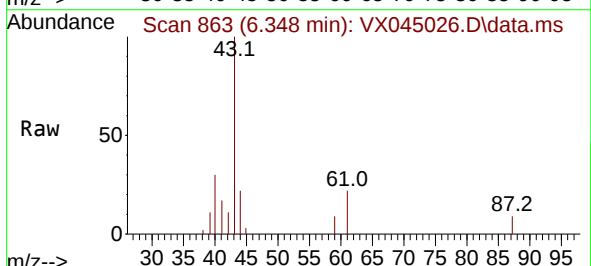
Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
45 11.8 12.7 19.1

Manual Integrations
APPROVED

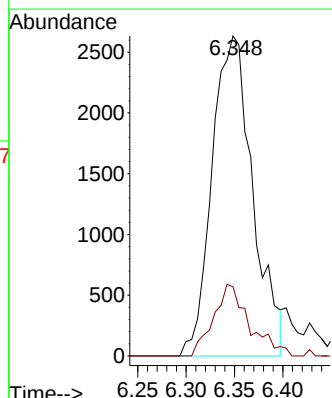
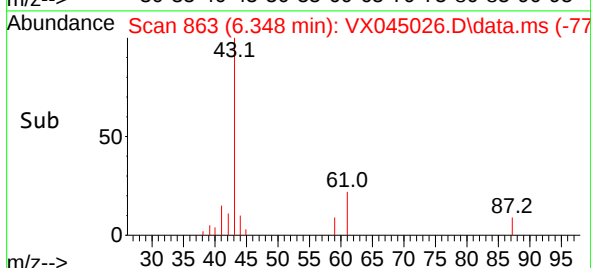
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

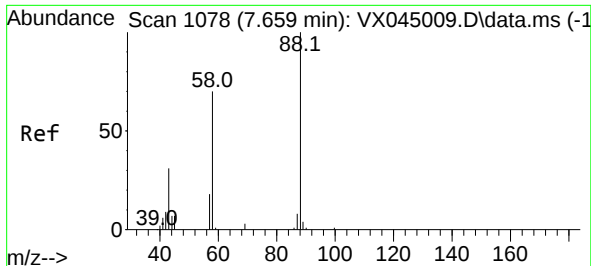


#44
Isopropyl Acetate
Concen: 2.325 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



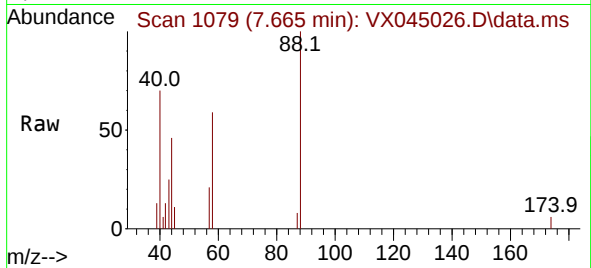
Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
61 16.1 15.5 23.3





#45
1,4-Dioxane
Concen: 52.661 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

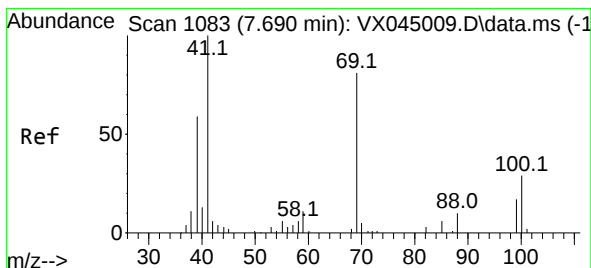
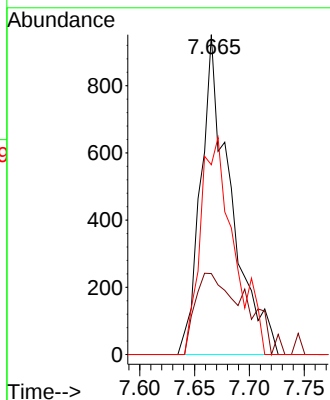
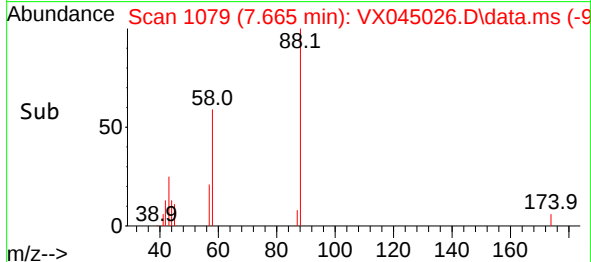
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



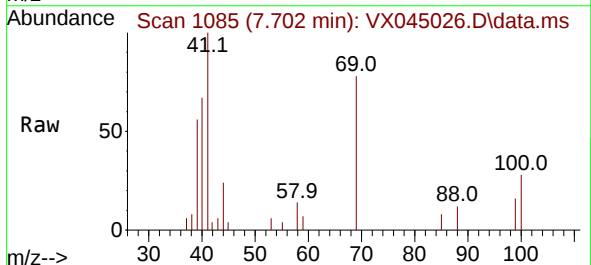
Tgt Ion: 88 Resp: 1814
Ion Ratio Lower Upper
88 100
43 30.2 29.6 44.4
58 68.1 56.2 84.4

Manual Integrations
APPROVED

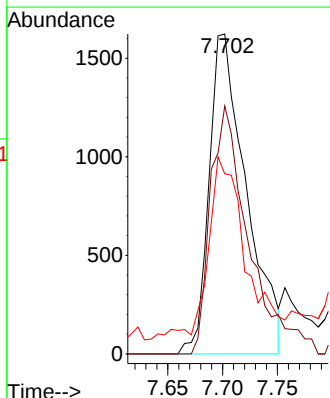
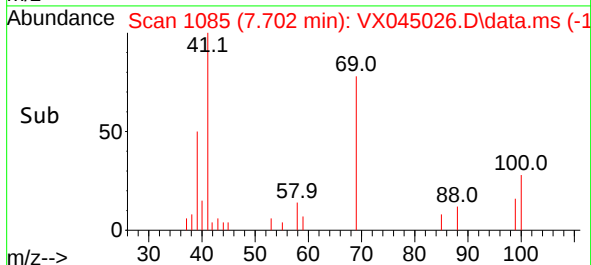
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

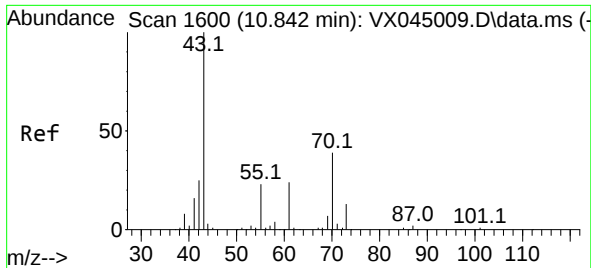


#46
Methyl methacrylate
Concen: 2.354 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion: 41 Resp: 3825
Ion Ratio Lower Upper
41 100
69 77.5 40.7 122.1
39 49.0 29.5 88.5





#47

n-amyl acetate

Concen: 2.121 ug/l

RT: 10.848 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

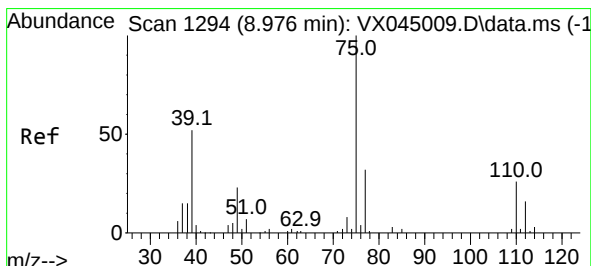
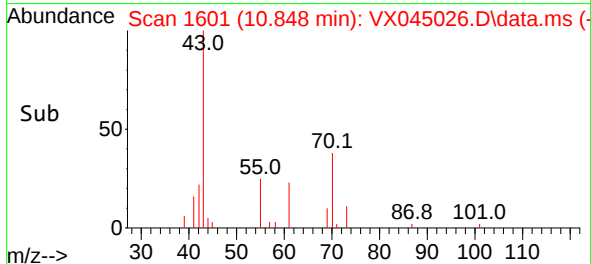
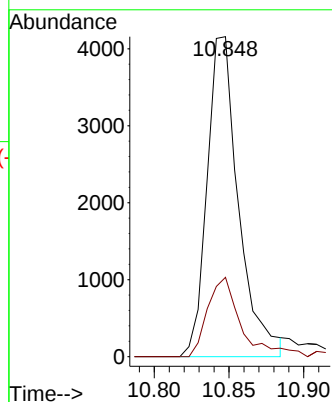
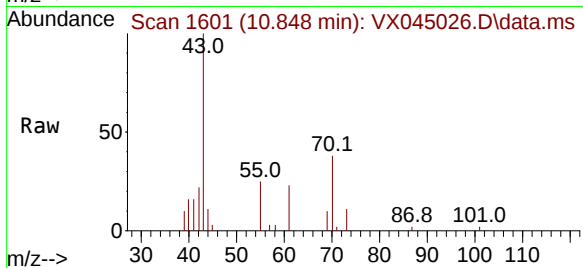
Tgt Ion: 43 Resp: 6098
 Ion Ratio Lower Upper
 43 100
 55 26.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#48

t-1,3-Dichloropropene

Concen: 2.035 ug/l

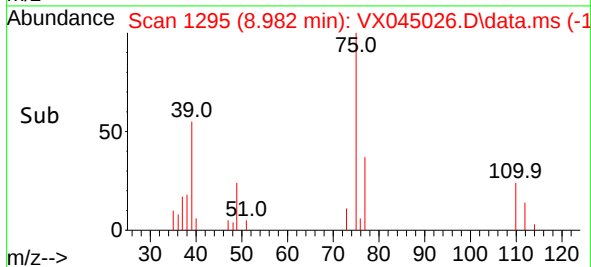
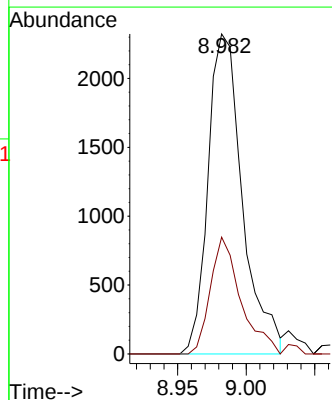
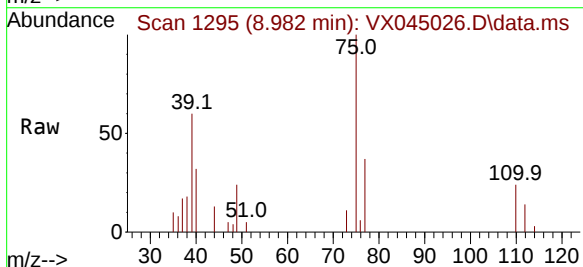
RT: 8.982 min Scan# 1295

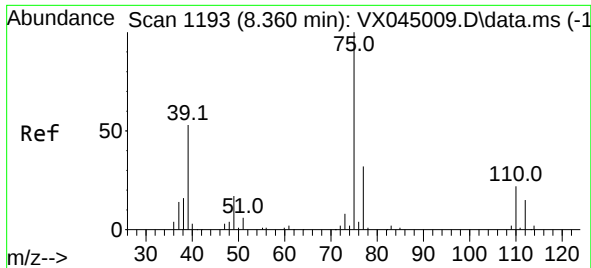
Delta R.T. 0.006 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

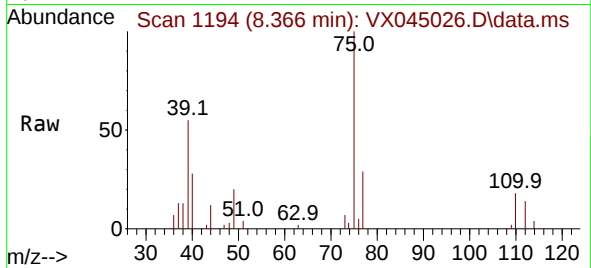
Tgt Ion: 75 Resp: 4055
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.7 38.5





#49
 cis-1,3-Dichloropropene
 Concen: 2.363 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

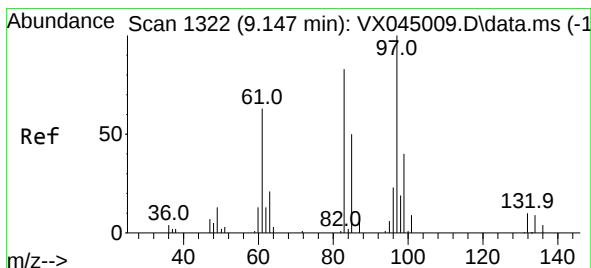
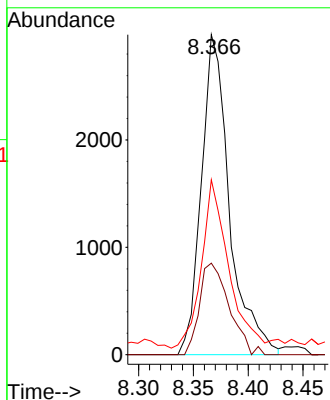
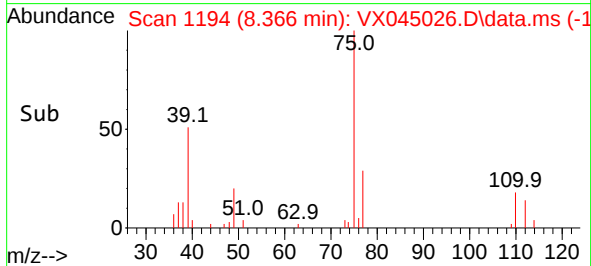
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 75 Resp: 5329
 Ion Ratio Lower Upper
 75 100
 77 28.6 25.9 38.9
 39 51.6 42.3 63.5

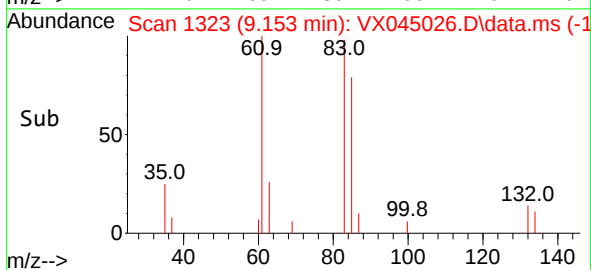
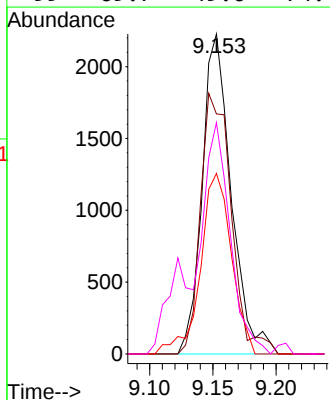
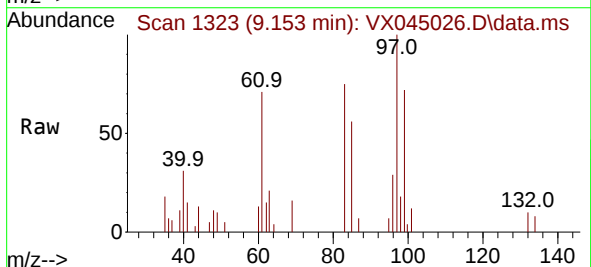
Manual Integrations
 APPROVED

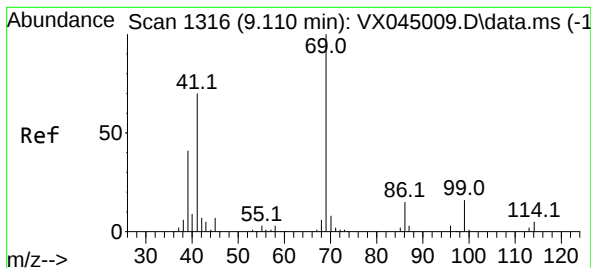
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 2.619 ug/l
 RT: 9.153 min Scan# 1323
 Delta R.T. 0.006 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

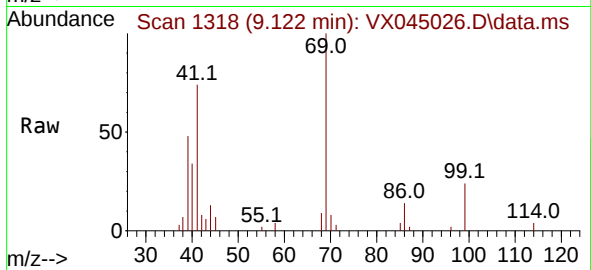
Tgt Ion: 97 Resp: 3553
 Ion Ratio Lower Upper
 97 100
 83 75.0 66.0 99.0
 85 56.4 42.5 63.7
 99 69.7 49.6 74.4





#51
Ethyl methacrylate
Concen: 2.372 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.012 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

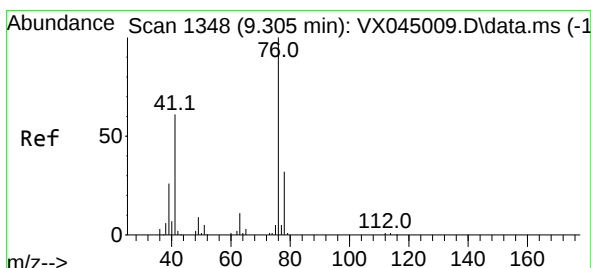
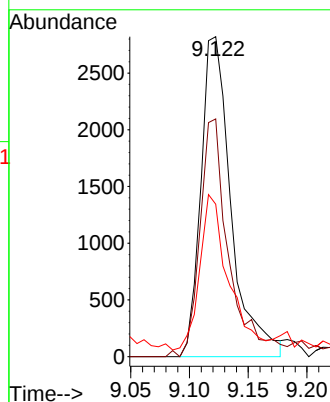
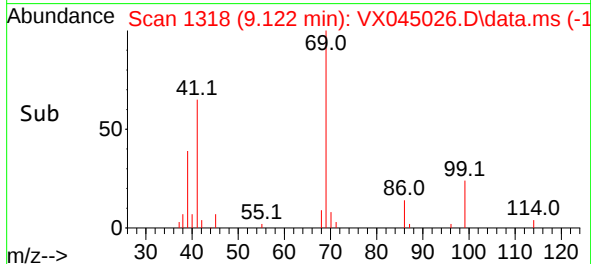
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 69 Resp: 5060
Ion Ratio Lower Upper
69 100
41 74.3 35.1 105.3
39 44.9 20.5 61.6

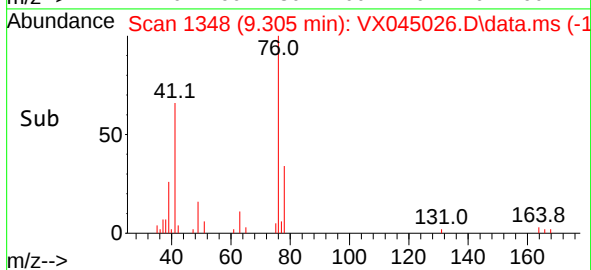
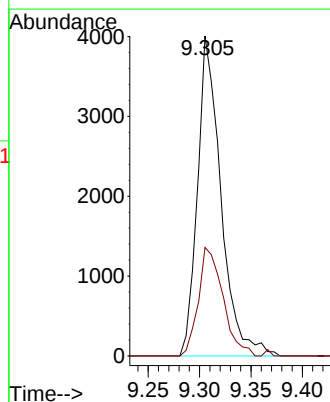
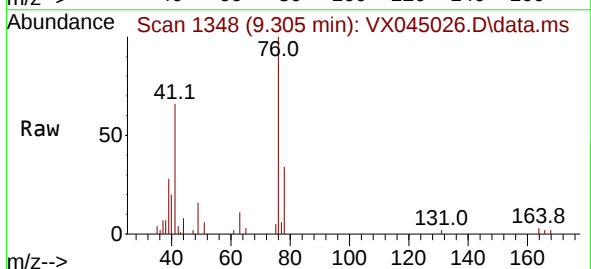
Manual Integrations
APPROVED

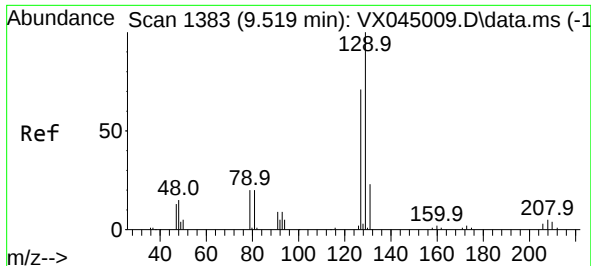
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#52
1,3-Dichloropropane
Concen: 2.676 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

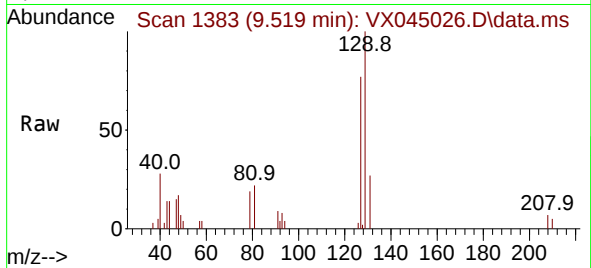
Tgt Ion: 76 Resp: 6359
Ion Ratio Lower Upper
76 100
78 35.6 0.0 63.6





#53
Dibromochloromethane
Concen: 2.306 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

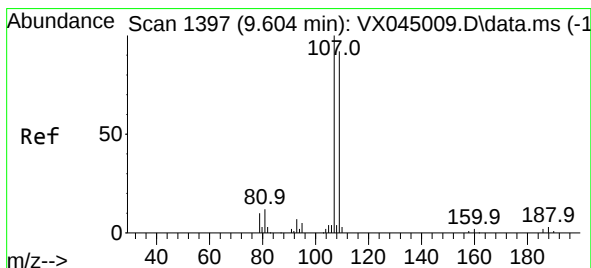
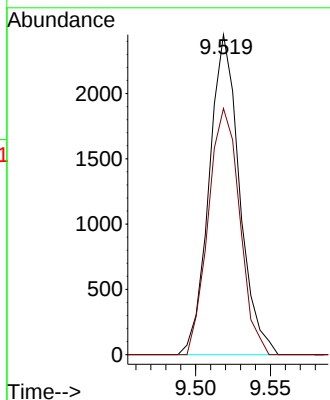
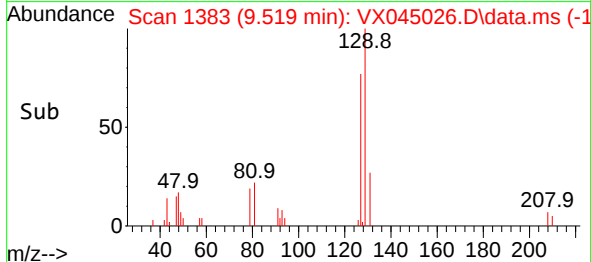
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



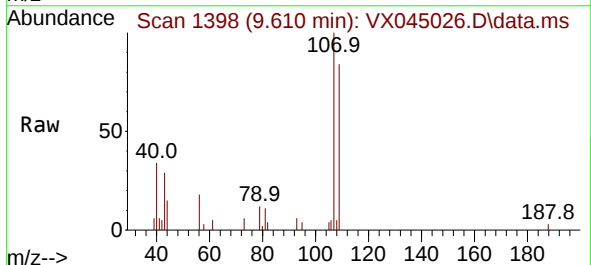
Tgt Ion:129 Resp: 3459
Ion Ratio Lower Upper
129 100
127 79.4 37.3 111.9

Manual Integrations
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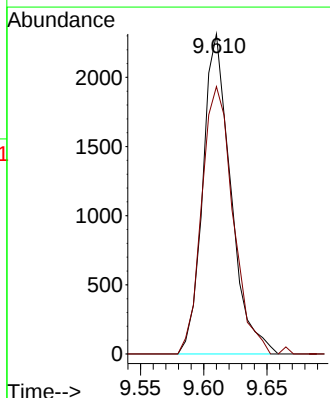
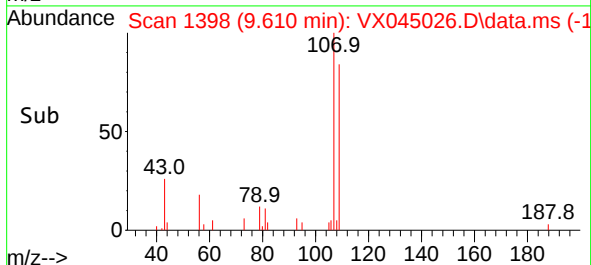
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

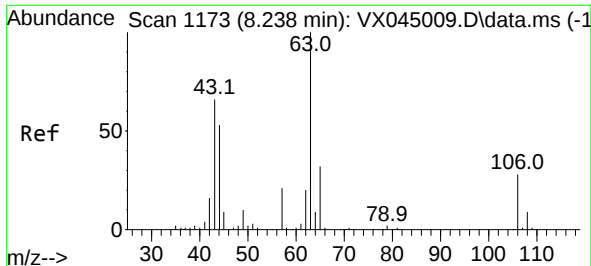


#54
1,2-Dibromoethane
Concen: 2.584 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion:107 Resp: 3559
Ion Ratio Lower Upper
107 100
109 93.5 75.8 113.8





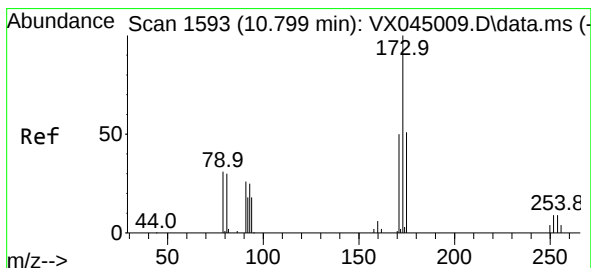
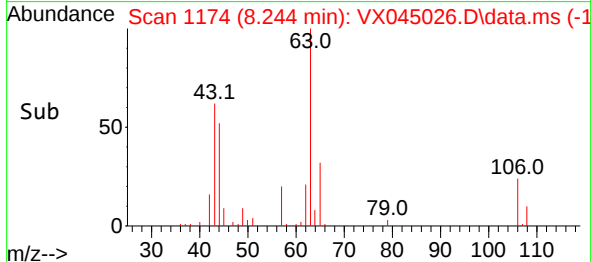
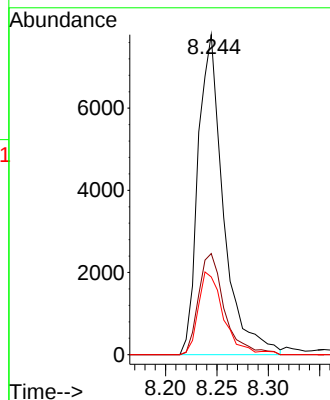
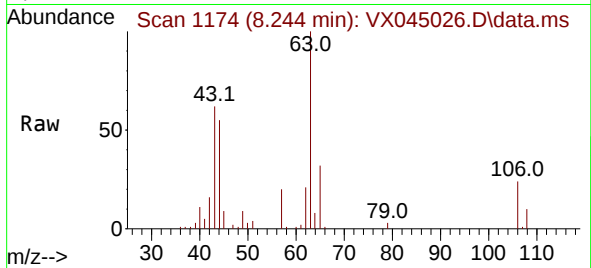
#55
2-Chloroethyl vinyl ether
Concen: 12.220 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 63 Resp: 1338
Ion Ratio Lower Upper
63 100
65 32.3 26.2 39.2
106 25.3 21.2 31.8

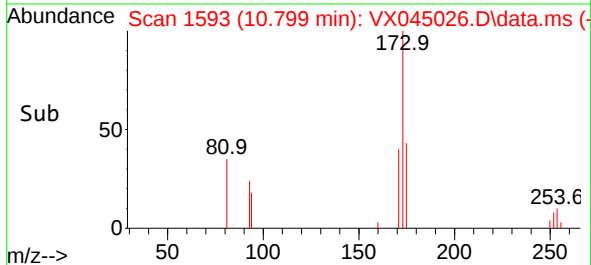
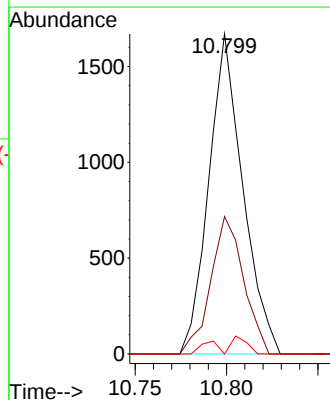
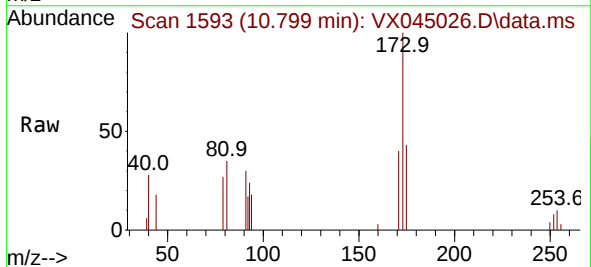
Manual Integrations
APPROVED

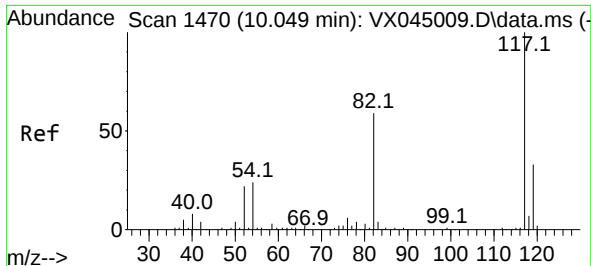
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#56
Bromoform
Concen: 2.301 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

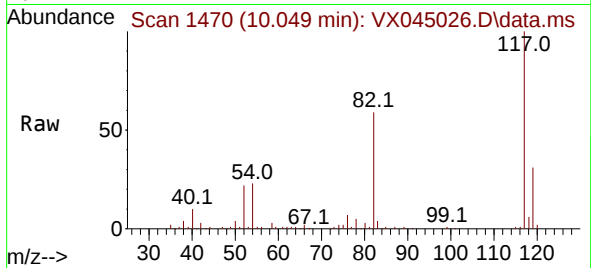
Tgt Ion:173 Resp: 2163
Ion Ratio Lower Upper
173 100
175 41.5 39.6 59.4
254 2.6 6.3 9.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

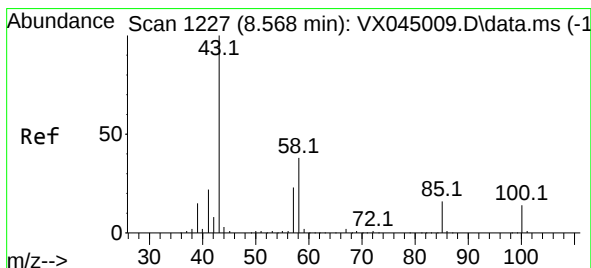
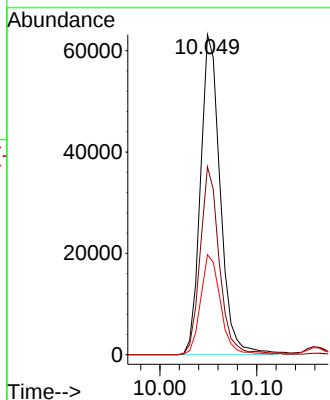
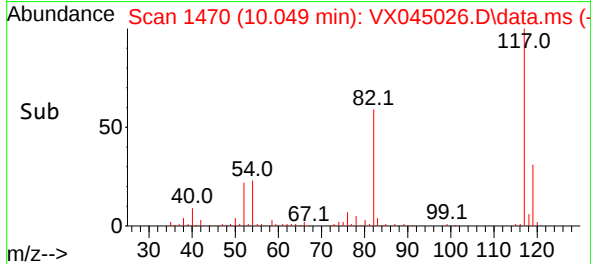
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 117 Resp: 8999
Ion Ratio Lower Upper
117 100
82 56.1 45.8 68.8
119 31.4 25.5 38.3

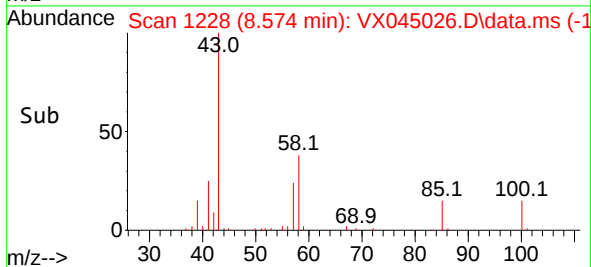
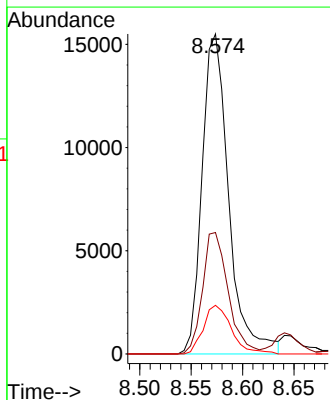
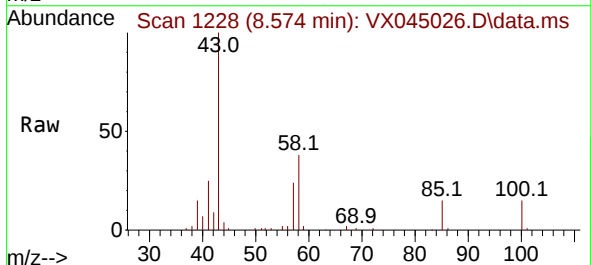
Manual Integrations
APPROVED

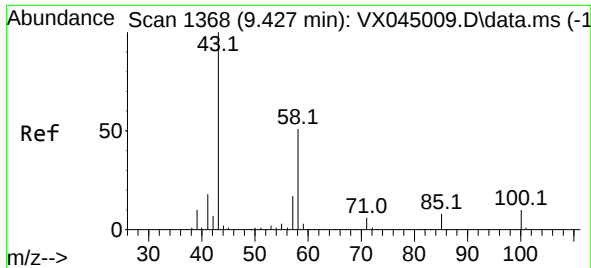
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#58
4-Methyl-2-Pentanone
Concen: 13.639 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 43 Resp: 27922
Ion Ratio Lower Upper
43 100
58 36.6 29.5 44.3
85 16.0 12.9 19.3





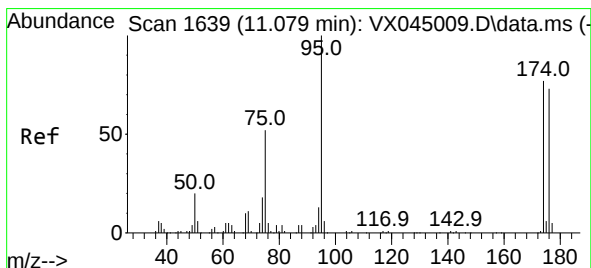
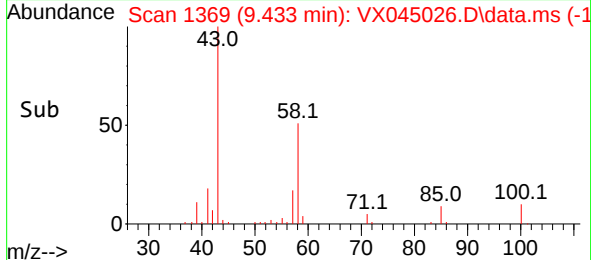
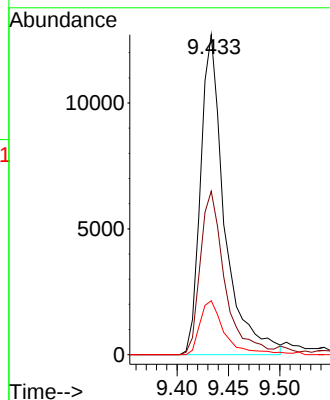
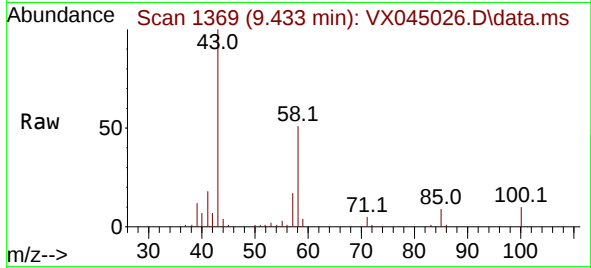
#59
2-Hexanone
Concen: 13.944 ug/l
RT: 9.433 min Scan# 1368
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 43 Resp: 2063
Ion Ratio Lower Upper
43 100
58 52.5 41.6 62.4
57 17.5 13.8 20.6

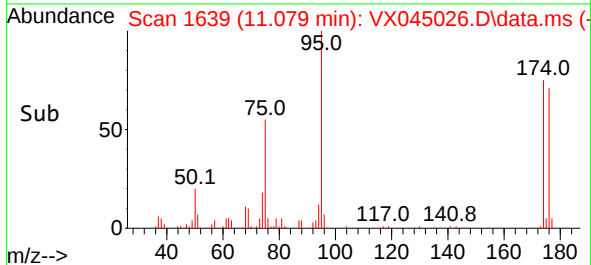
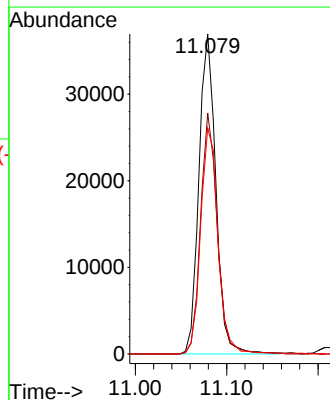
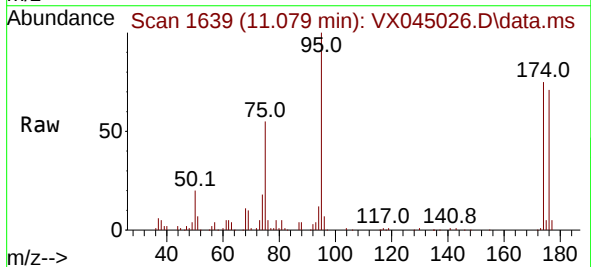
Manual Integrations
APPROVED

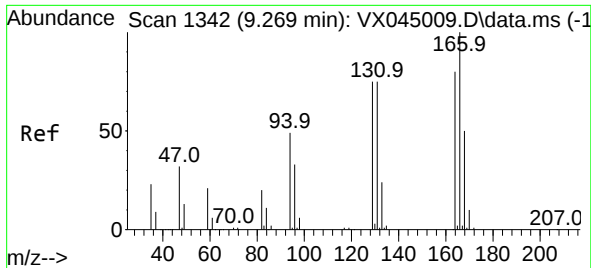
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#60
4-Bromofluorobenzene
Concen: 28.321 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

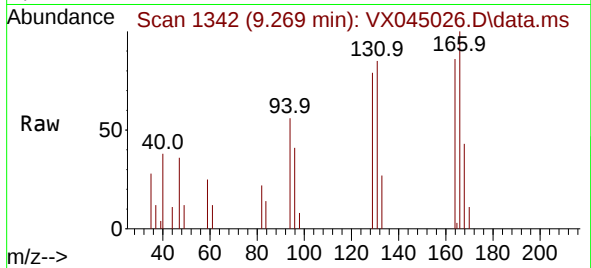
Tgt Ion: 95 Resp: 47639
Ion Ratio Lower Upper
95 100
174 74.3 59.5 89.3
176 71.2 55.5 83.3





#61
Tetrachloroethene
Concen: 2.629 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

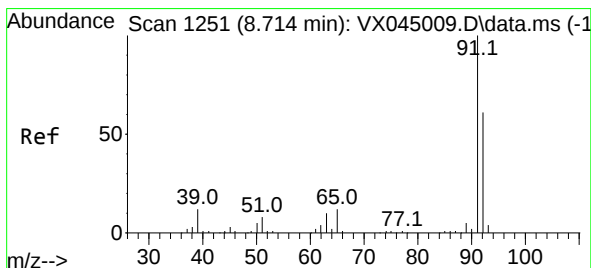
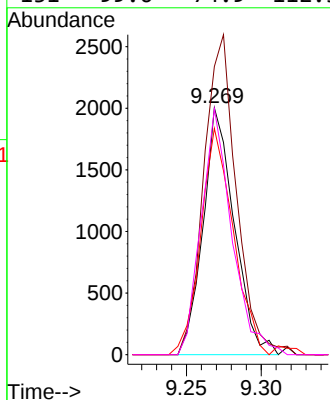
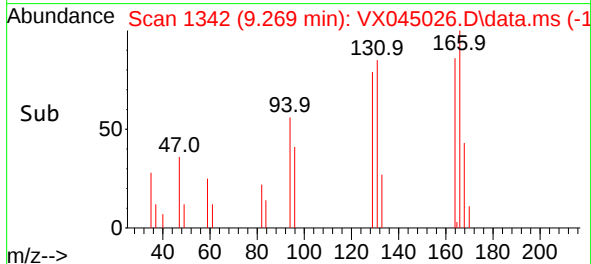
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion:164 Resp: 2914
Ion Ratio Lower Upper
164 100
166 116.7 100.3 150.5
129 88.2 75.5 113.3
131 99.6 74.9 112.3

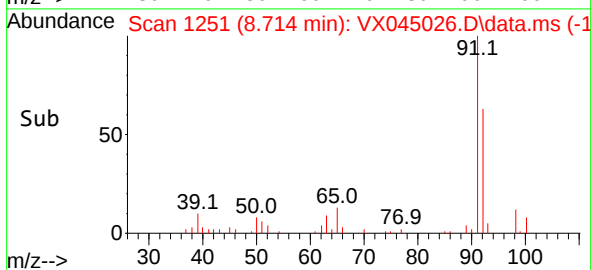
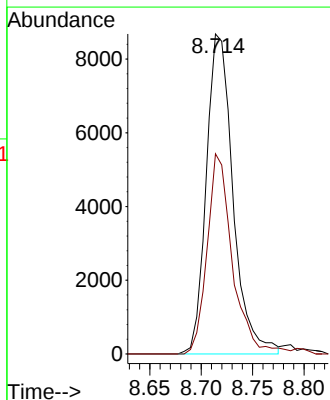
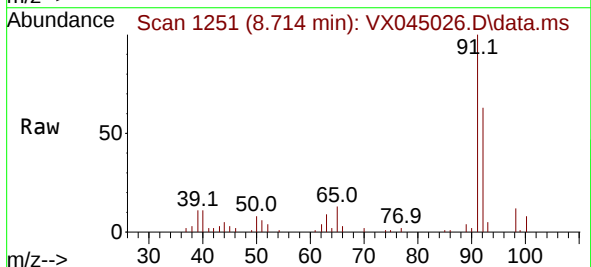
Manual Integrations
APPROVED

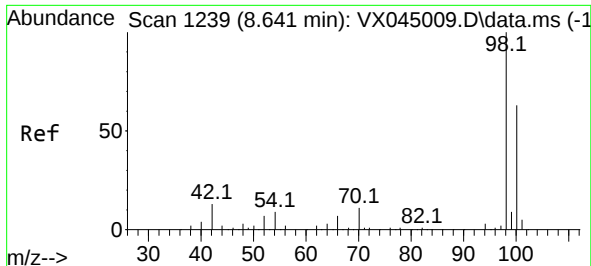
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#62
Toluene
Concen: 2.631 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

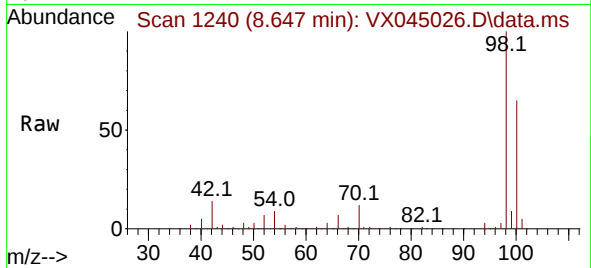
Tgt Ion: 91 Resp: 15685
Ion Ratio Lower Upper
91 100
92 57.5 46.9 70.3





#63
Toluene-d8
Concen: 30.088 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

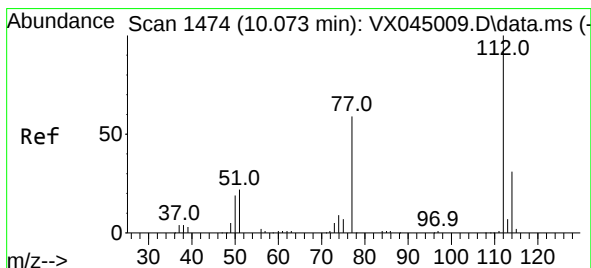
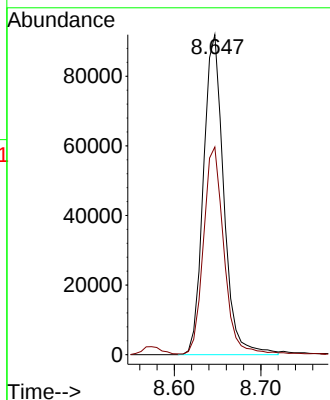
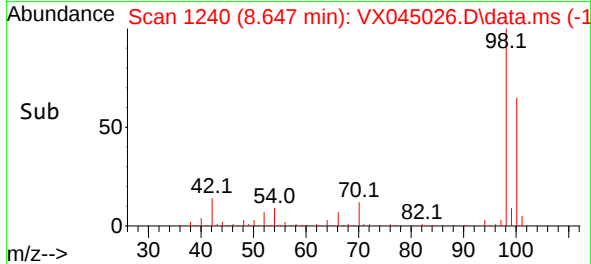
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 98 Resp: 14979
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

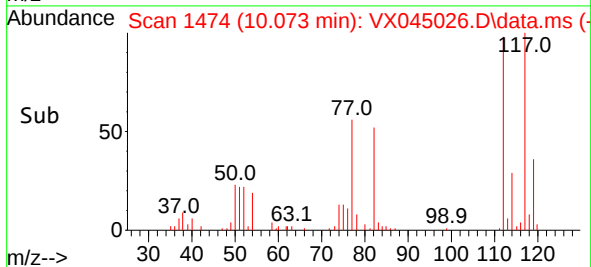
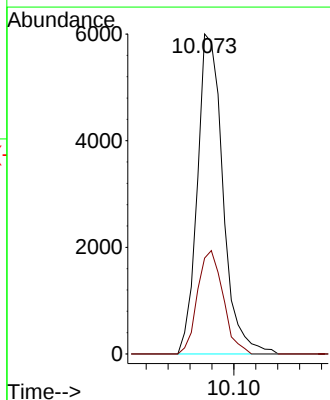
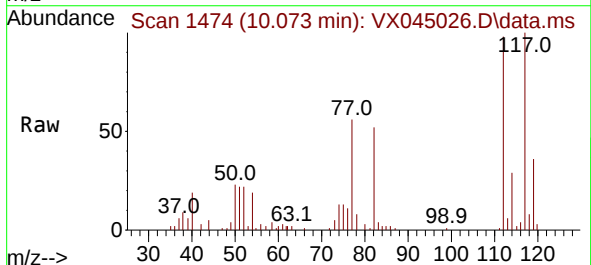
Manual Integrations
APPROVED

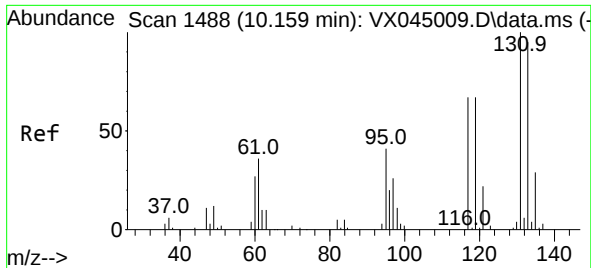
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#64
Chlorobenzene
Concen: 2.629 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

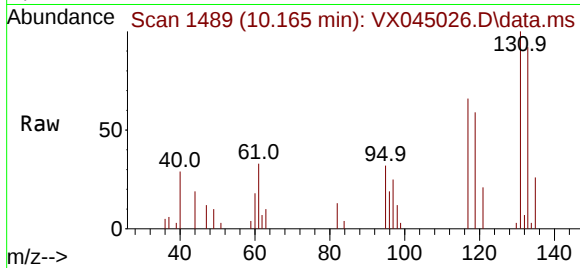
Tgt Ion:112 Resp: 9711
Ion Ratio Lower Upper
112 100
114 30.0 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 2.530 ug/l
RT: 10.165 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

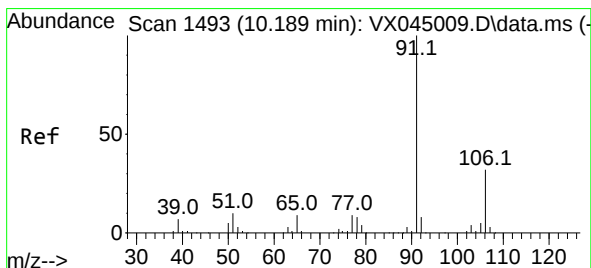
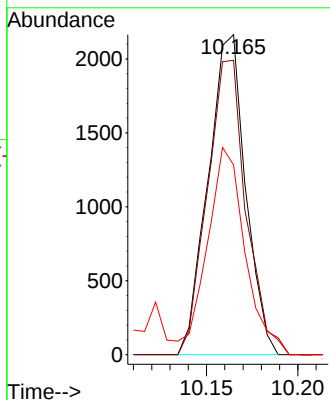
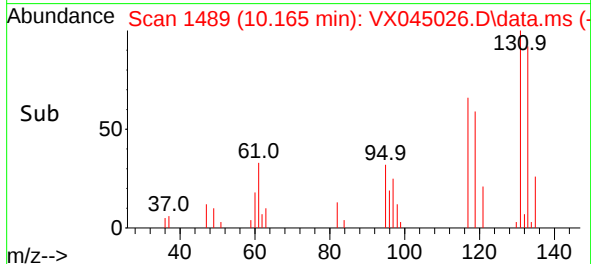
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion:131 Resp: 3084
Ion Ratio Lower Upper
131 100
133 95.4 0.0 187.8
119 64.9 0.0 133.0

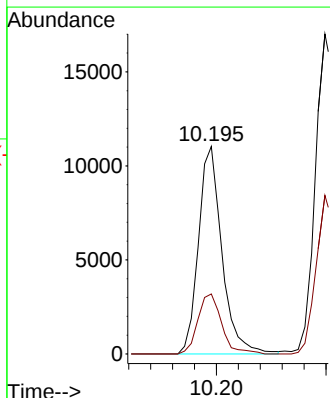
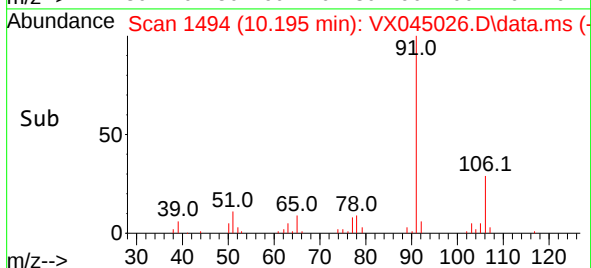
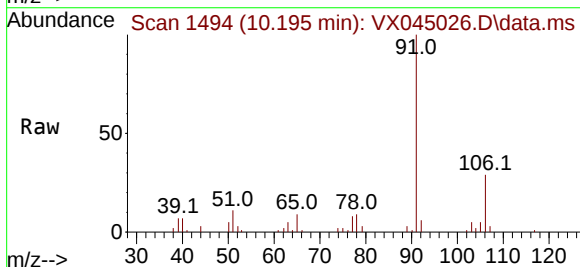
Manual Integrations
APPROVED

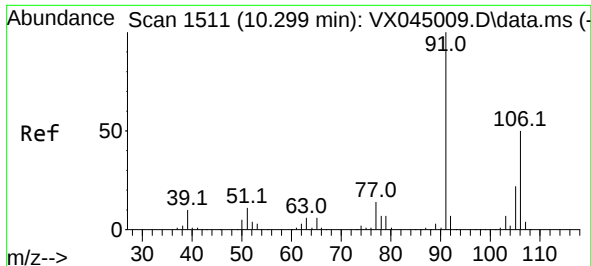
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#66
Ethyl Benzene
Concen: 2.516 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 91 Resp: 16424
Ion Ratio Lower Upper
91 100
106 28.9 25.4 38.2





#67

m/p-Xylenes

Concen: 4.969 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

Tgt Ion:106 Resp: 1208

Ion Ratio Lower Upper

106 100

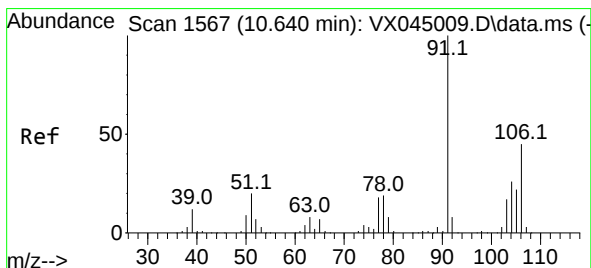
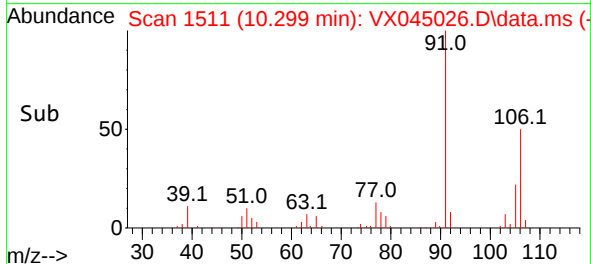
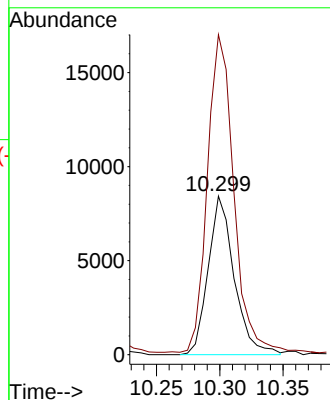
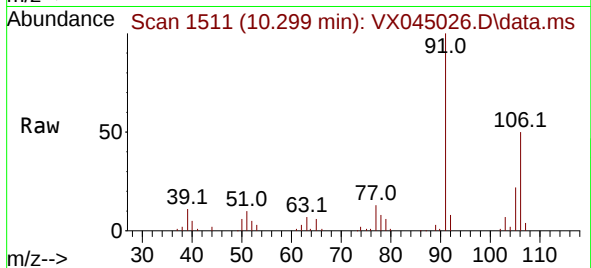
91 201.4 163.7 245.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#68

o-Xylene

Concen: 2.608 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX045026.D

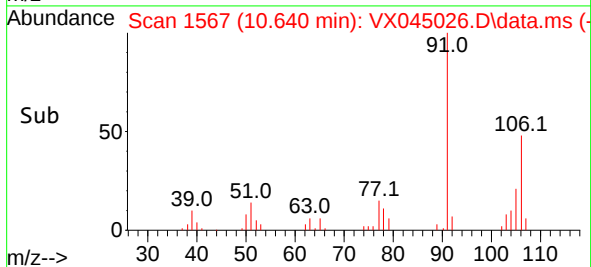
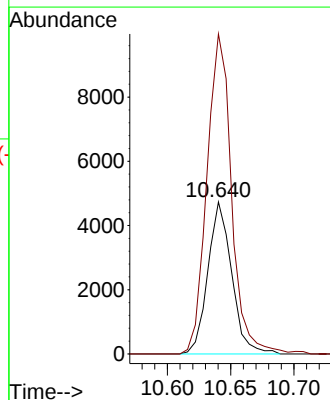
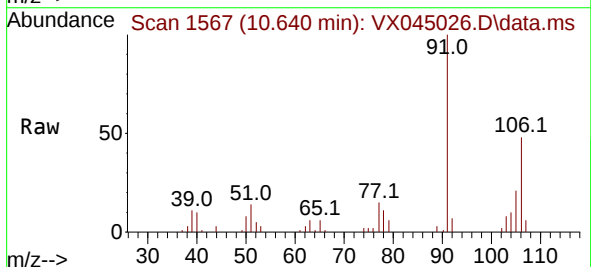
Acq: 24 Feb 2025 12:46

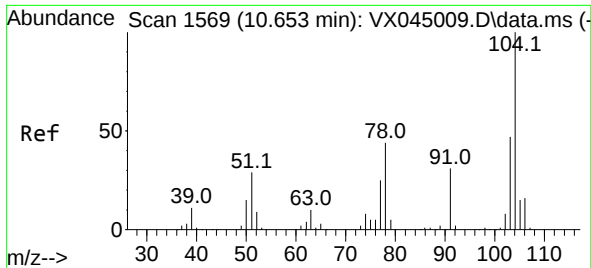
Tgt Ion:106 Resp: 6222

Ion Ratio Lower Upper

106 100

91 217.1 109.7 329.1





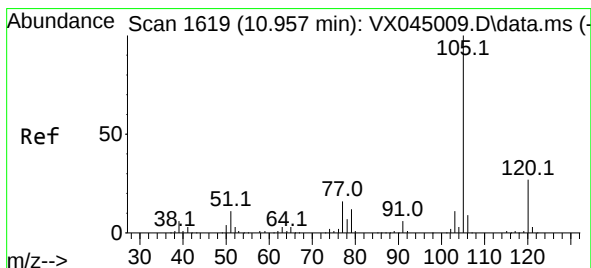
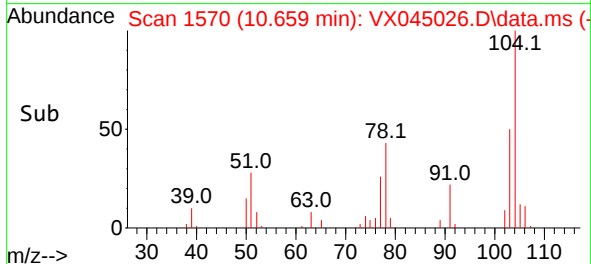
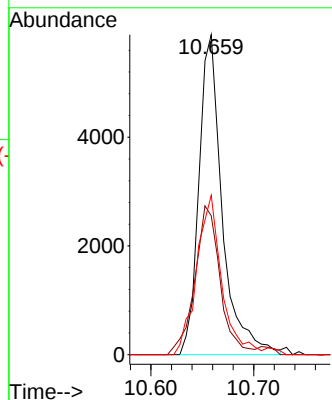
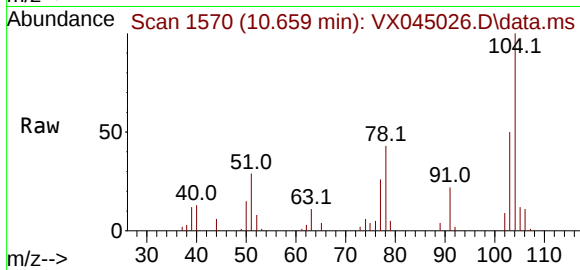
#69
Styrene
Concen: 2.335 ug/l
RT: 10.659 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion:104 Resp: 9300
Ion Ratio Lower Upper
104 100
78 50.6 41.4 62.0
103 53.6 43.0 64.4

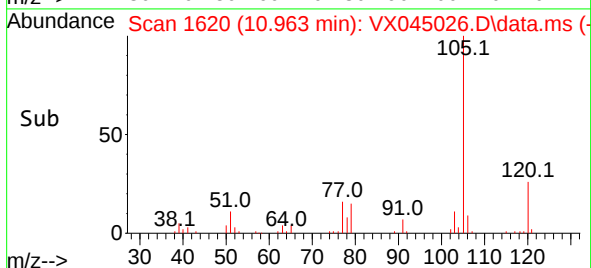
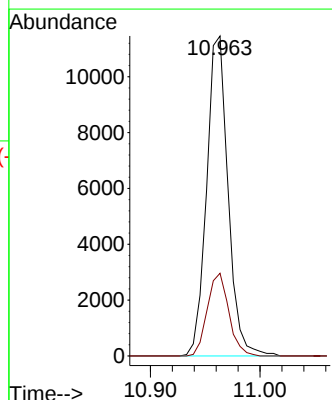
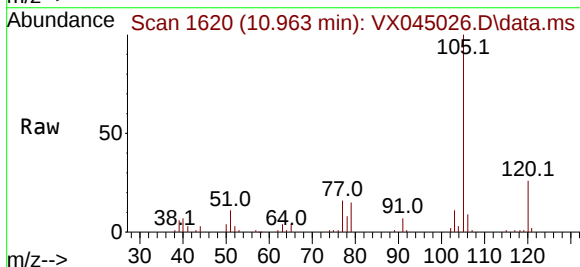
Manual Integrations
APPROVED

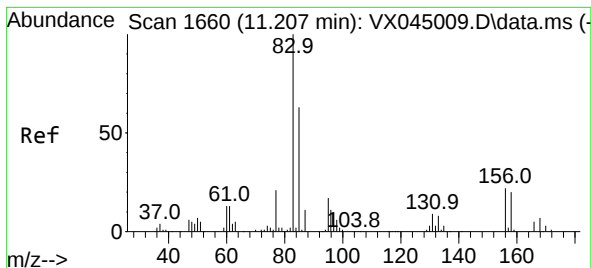
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#70
Isopropylbenzene
Concen: 2.531 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

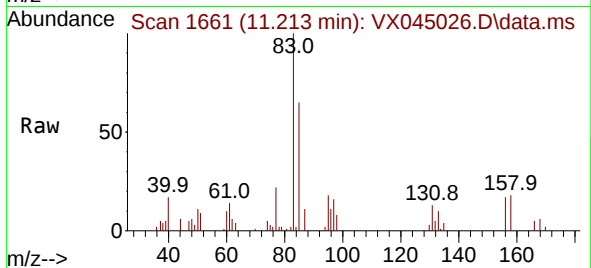
Tgt Ion:105 Resp: 15582
Ion Ratio Lower Upper
105 100
120 25.9 18.4 34.2





#71
1,1,2,2-Tetrachloroethane
Concen: 2.835 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

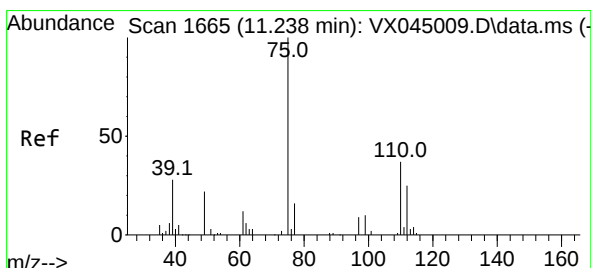
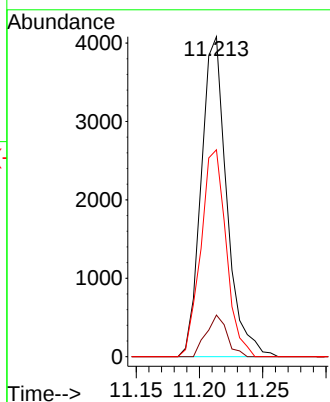
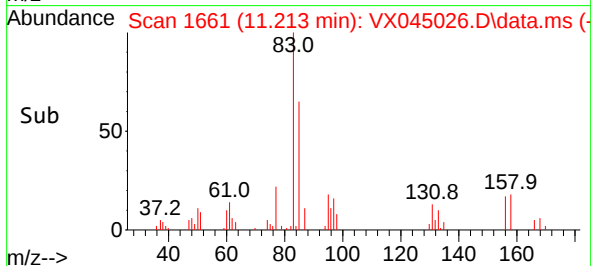
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 83 Resp: 574
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.3
85 64.1 32.3 96.8

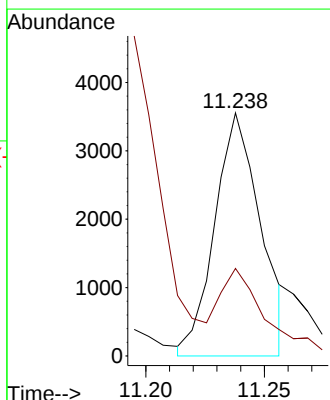
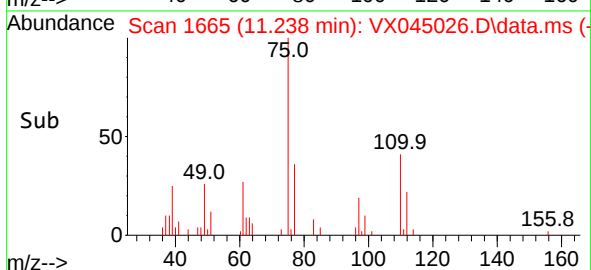
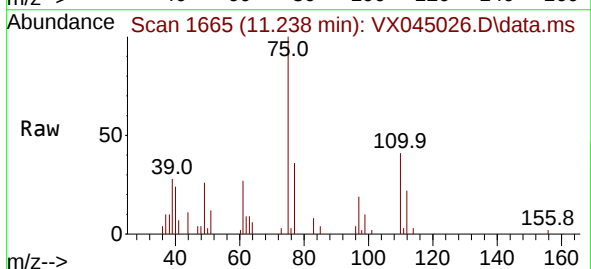
Manual Integrations
APPROVED

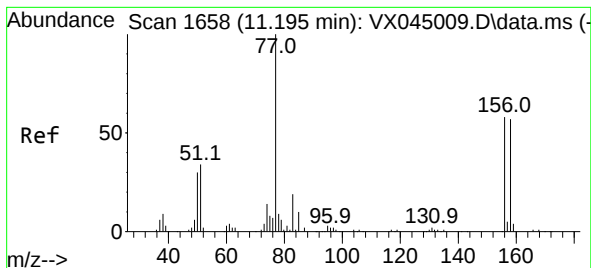
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#72
1,2,3-Trichloropropane
Concen: 2.871 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

Tgt Ion: 75 Resp: 4781
Ion Ratio Lower Upper
75 100
77 37.3 0.0 84.0





#73

Bromobenzene

Concen: 2.454 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX045026.D

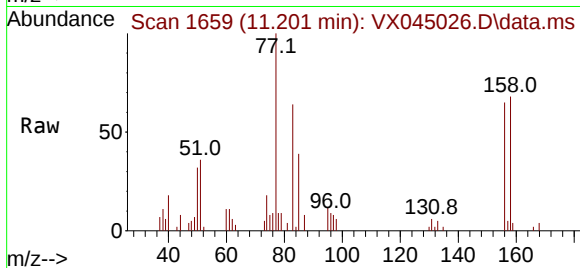
Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025



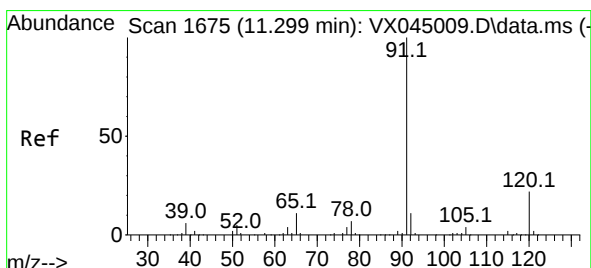
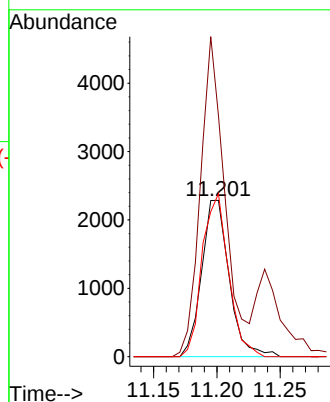
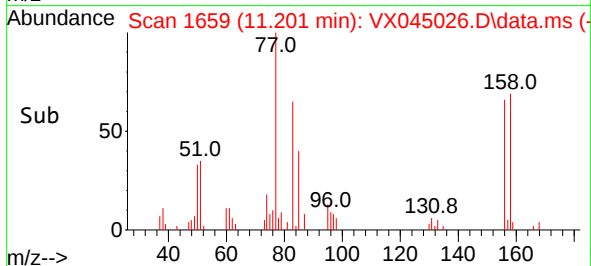
Tgt Ion:	156	Resp:	3478
Ion Ratio	100	Lower	Upper
156	100		
77	181.6	0.0	347.2
158	99.3	0.0	197.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#74

n-propylbenzene

Concen: 2.400 ug/l

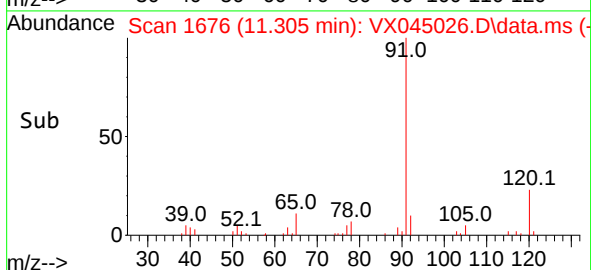
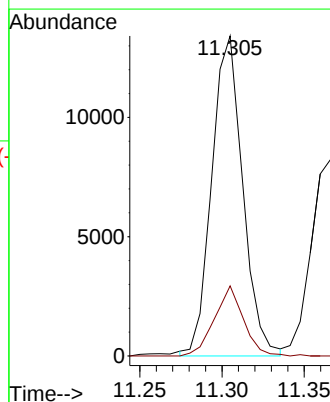
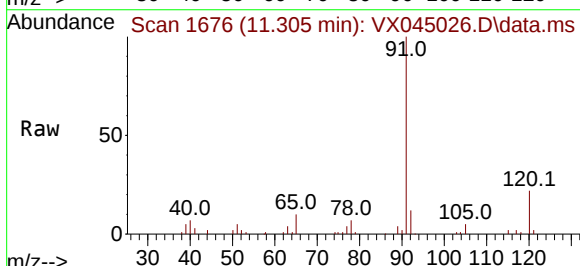
RT: 11.305 min Scan# 1676

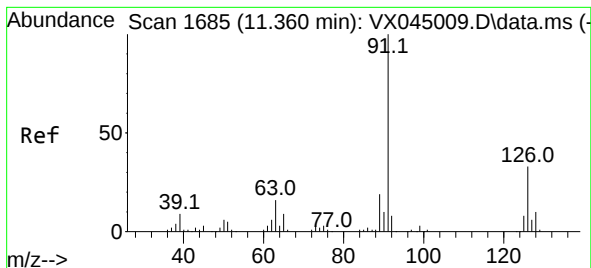
Delta R.T. 0.006 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Tgt Ion:	91	Resp:	17587
Ion Ratio	100	Lower	Upper
91	100		
120	20.5	0.0	44.2





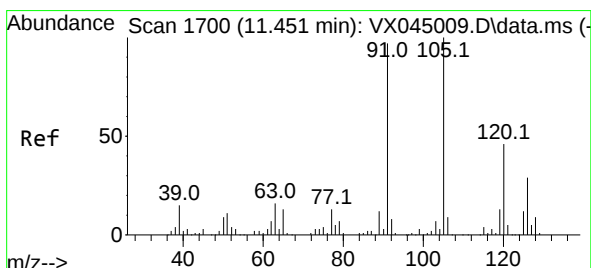
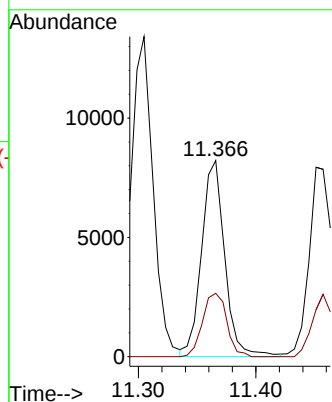
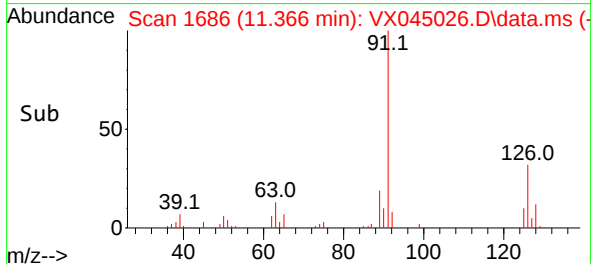
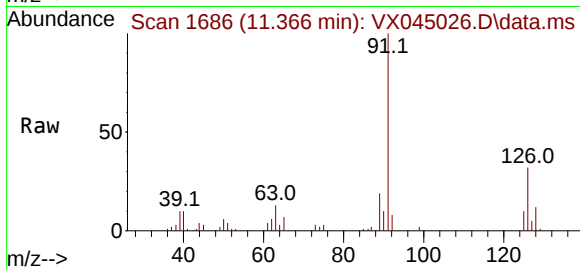
#75
2-Chlorotoluene
Concen: 2.541 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

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

Tgt Ion: 91 Resp: 11250
Ion Ratio Lower Upper
91 100
126 33.6 0.0 65.4

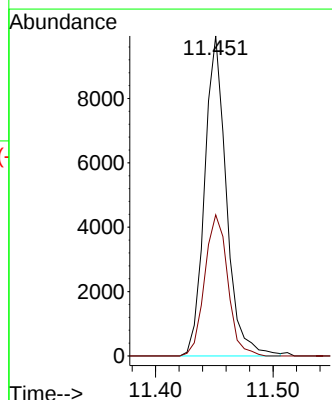
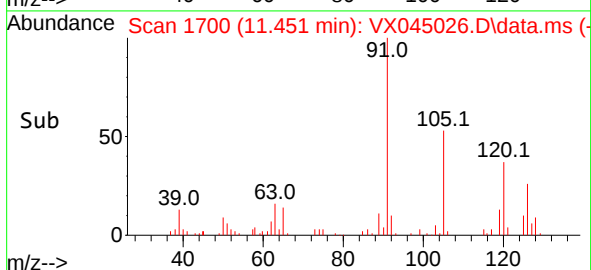
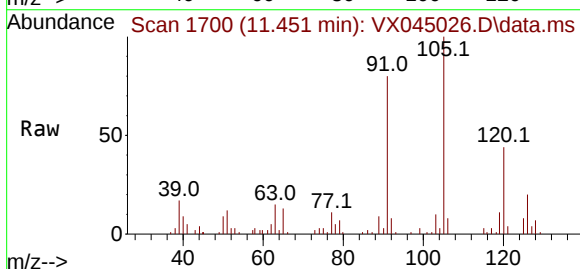
Manual Integrations
APPROVED

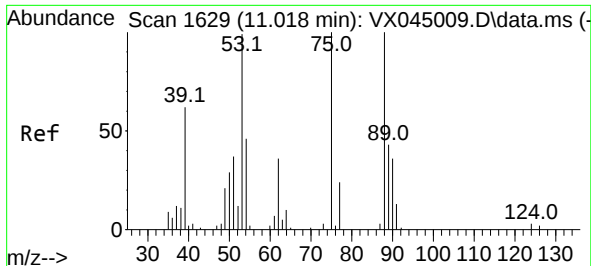
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.511 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

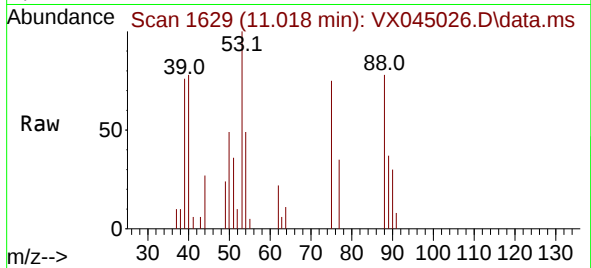
Tgt Ion:105 Resp: 12757
Ion Ratio Lower Upper
105 100
120 46.7 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 1.888 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

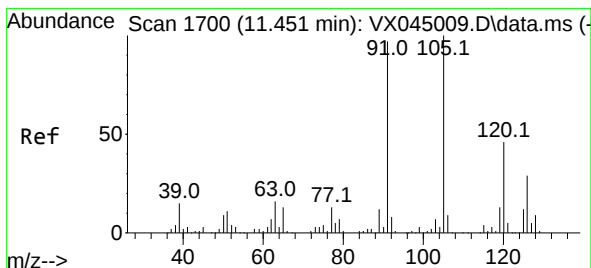
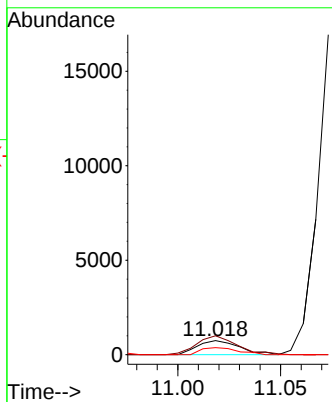
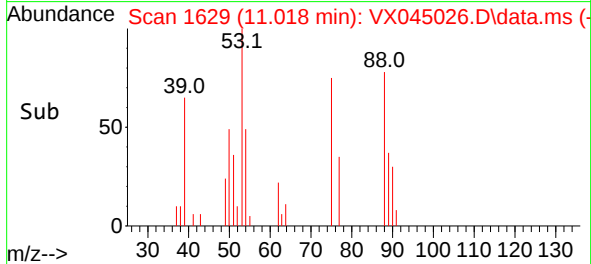
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 75 Resp: 1058
Ion Ratio Lower Upper
75 100
53 126.3 49.8 149.4
89 49.8 21.4 64.2

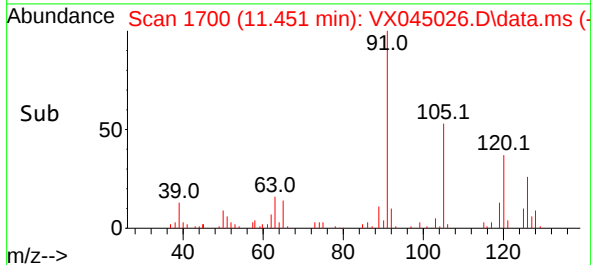
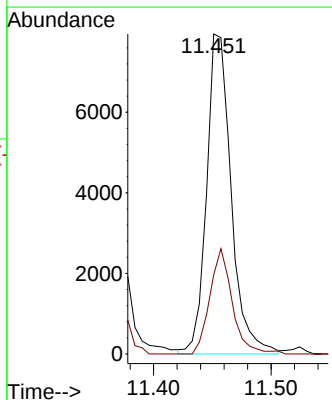
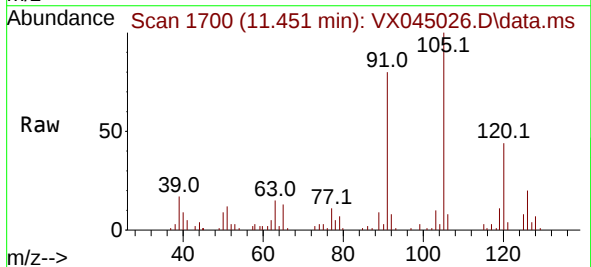
Manual Integrations
APPROVED

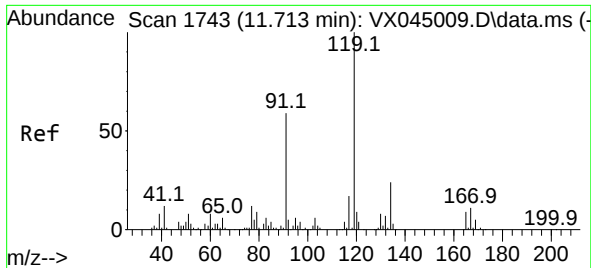
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#78
4-Chlorotoluene
Concen: 2.337 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

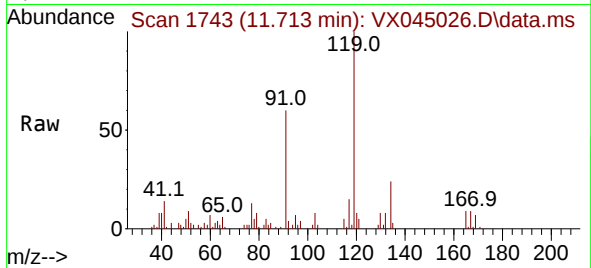
Tgt Ion: 91 Resp: 11539
Ion Ratio Lower Upper
91 100
126 29.8 0.0 58.0





#79
tert-butylbenzene
Concen: 2.508 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

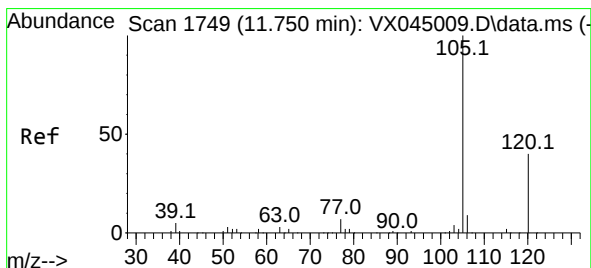
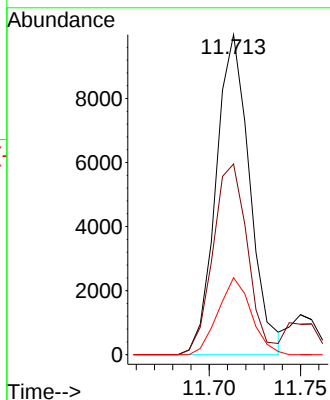
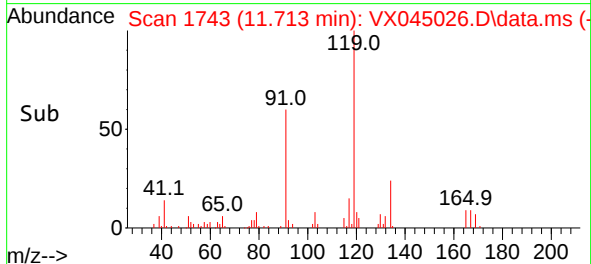
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2025



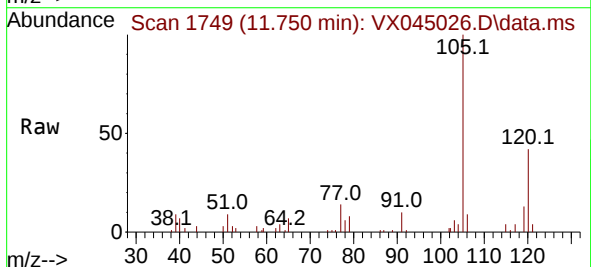
Tgt Ion:119 Resp: 12834
Ion Ratio Lower Upper
119 100
91 61.7 0.0 120.6
134 23.7 0.0 48.2

Manual Integrations
APPROVED

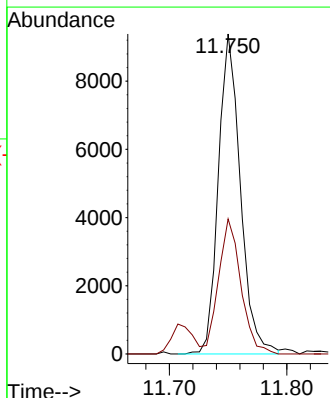
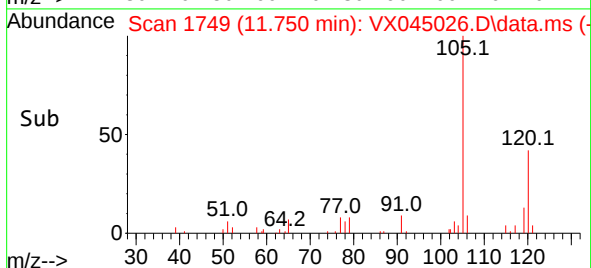
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

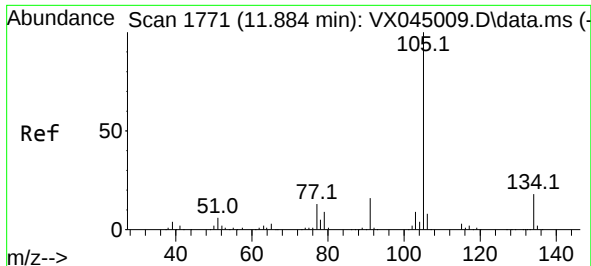


#80
1,2,4-Trimethylbenzene
Concen: 2.404 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion:105 Resp: 12234
Ion Ratio Lower Upper
105 100
120 43.1 0.0 88.4





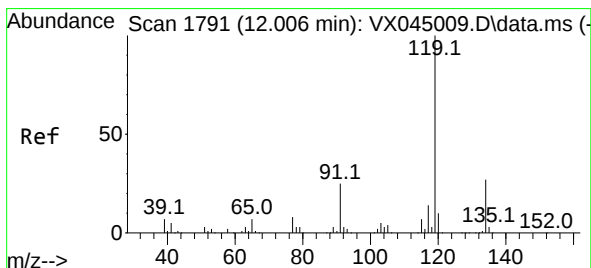
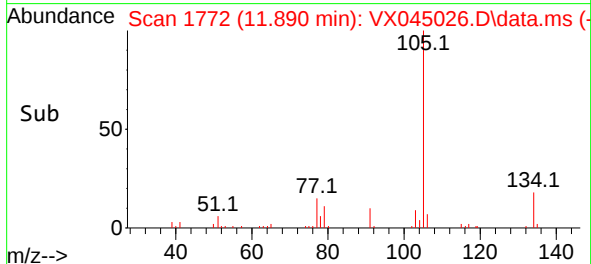
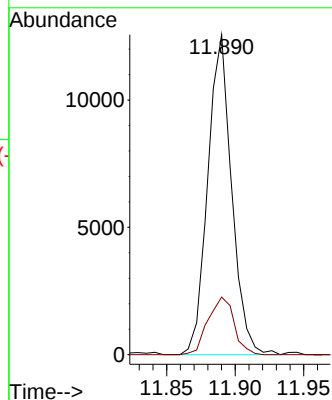
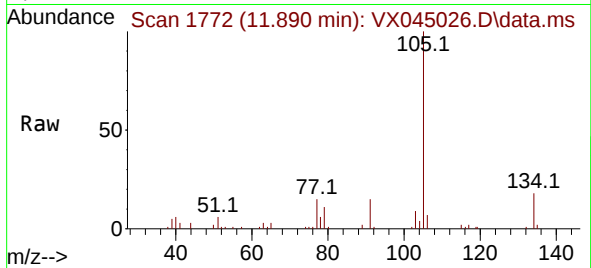
#81
 sec-Butylbenzene
 Concen: 2.373 ug/l
 RT: 11.890 min Scan# 1771
 Delta R.T. 0.006 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

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

Tgt Ion:105 Resp: 1524
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 39.0

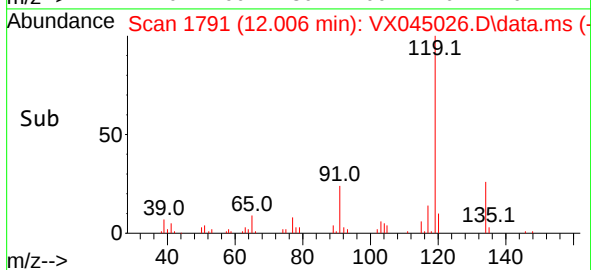
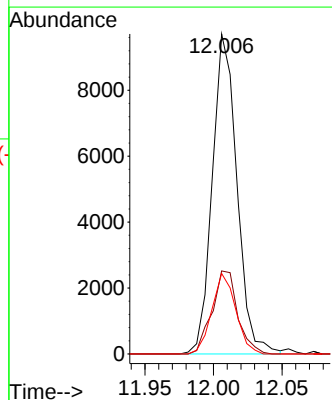
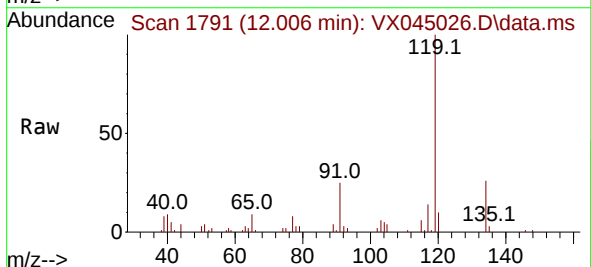
Manual Integrations
 APPROVED

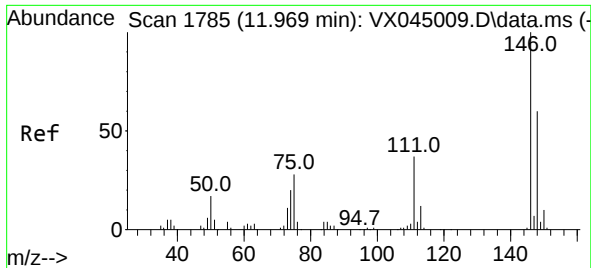
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#82
 p-Isopropyltoluene
 Concen: 2.329 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045026.D
 Acq: 24 Feb 2025 12:46

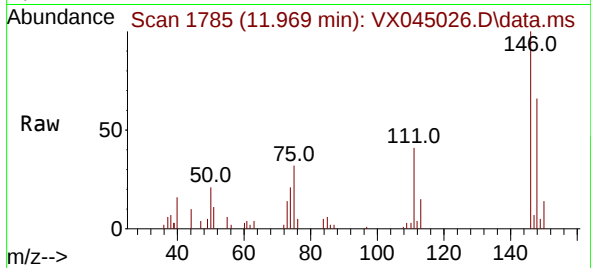
Tgt Ion:119 Resp: 12119
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 52.6
 91 24.5 0.0 51.0





#83
1,3-Dichlorobenzene
Concen: 2.458 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

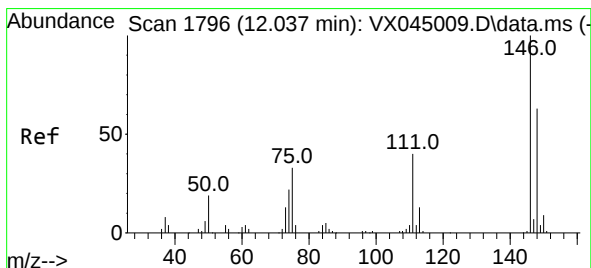
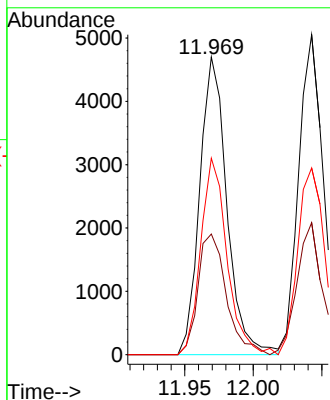
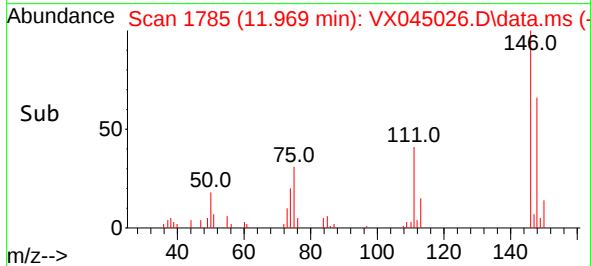
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



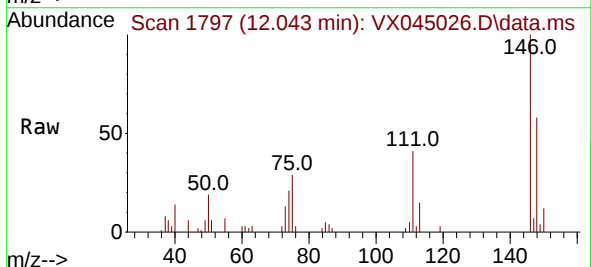
Tgt Ion:146 Resp: 6483
Ion Ratio Lower Upper
146 100
111 42.5 20.2 60.5
148 63.8 31.2 93.6

Manual Integrations
APPROVED

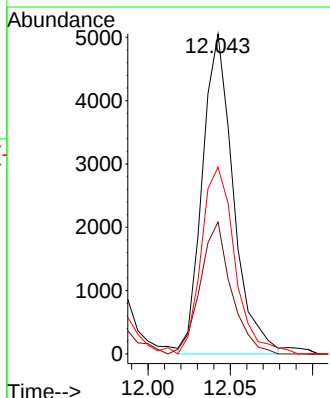
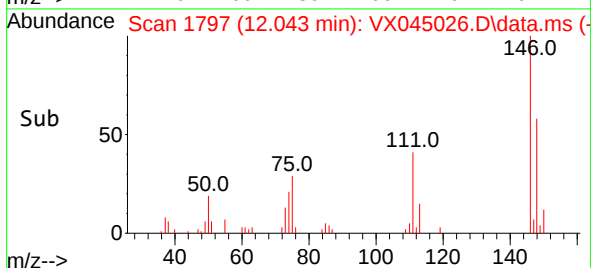
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

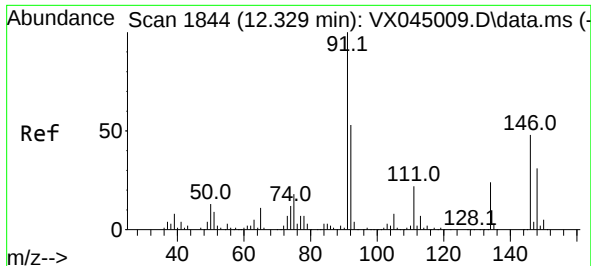


#84
1,4-Dichlorobenzene
Concen: 2.535 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



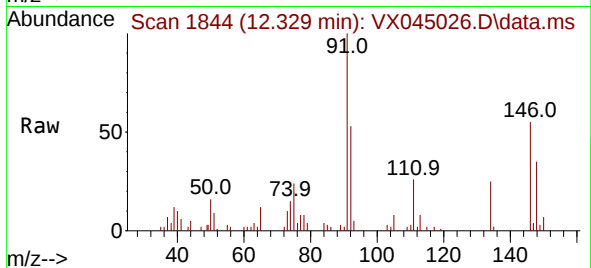
Tgt Ion:146 Resp: 6592
Ion Ratio Lower Upper
146 100
111 41.3 20.4 61.2
148 63.4 31.8 95.4





#85
n-Butylbenzene
Concen: 1.993 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

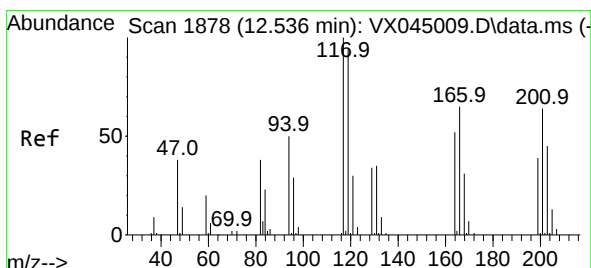
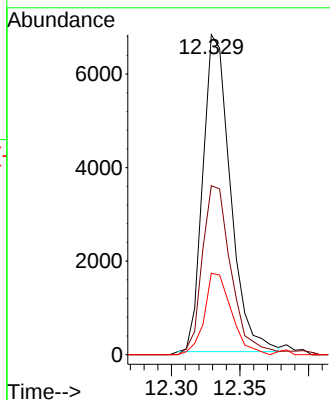
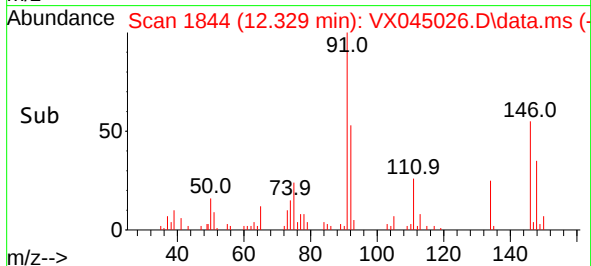
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 91 Resp: 947
Ion Ratio Lower Upper
91 100
92 55.8 0.0 105.2
134 25.3 0.0 49.4

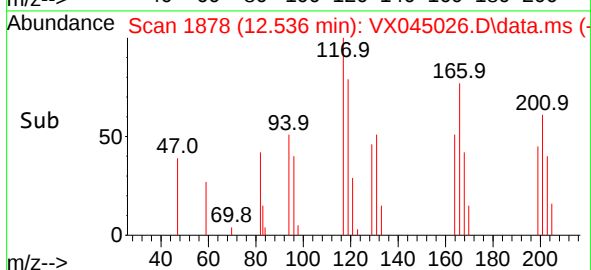
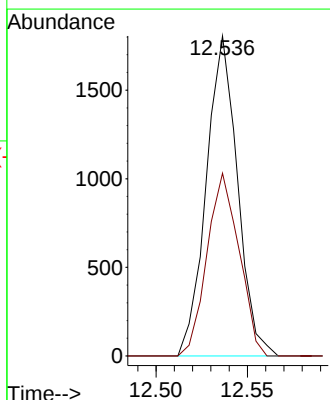
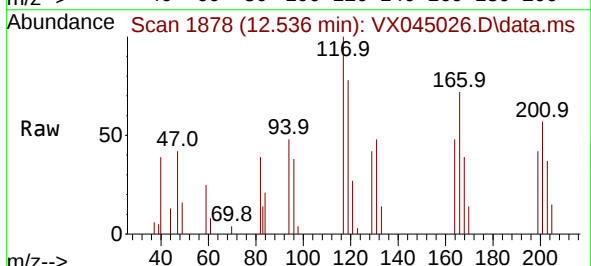
Manual Integrations
APPROVED

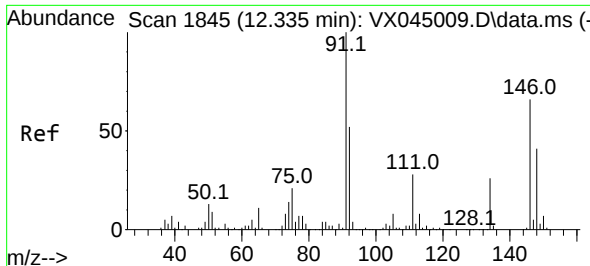
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#86
Hexachloroethane
Concen: 2.343 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

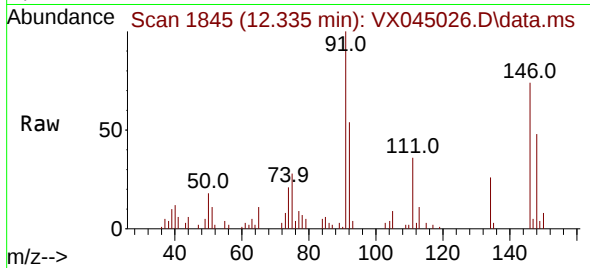
Tgt Ion:117 Resp: 2151
Ion Ratio Lower Upper
117 100
201 58.5 32.6 97.7





#87
1,2-Dichlorobenzene
Concen: 2.642 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

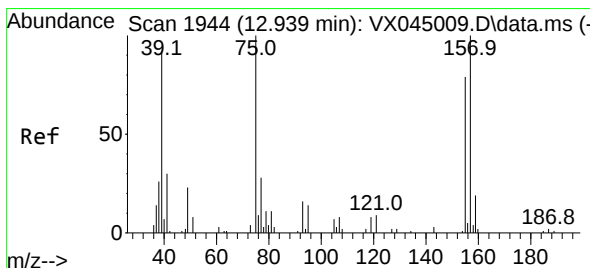
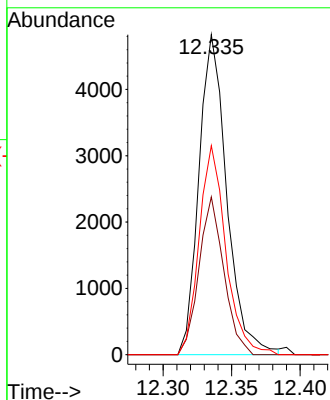
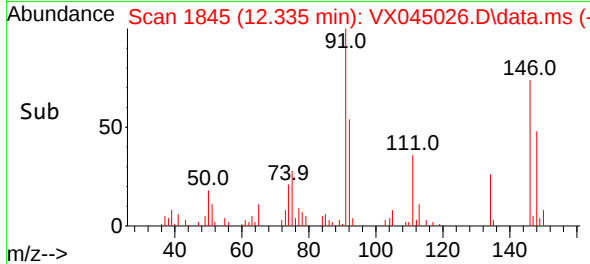
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



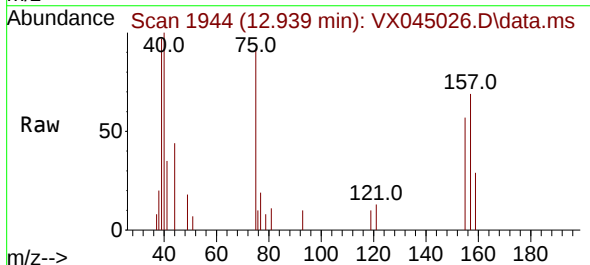
Tgt Ion:146 Resp: 6830
Ion Ratio Lower Upper
146 100
111 43.9 21.7 65.1
148 62.7 31.8 95.4

Manual Integrations
APPROVED

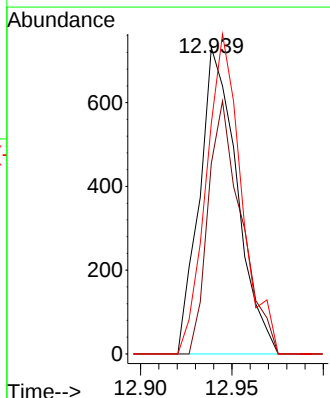
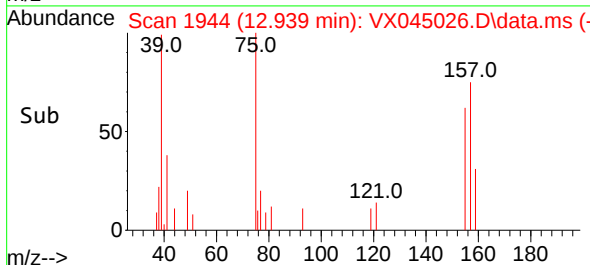
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

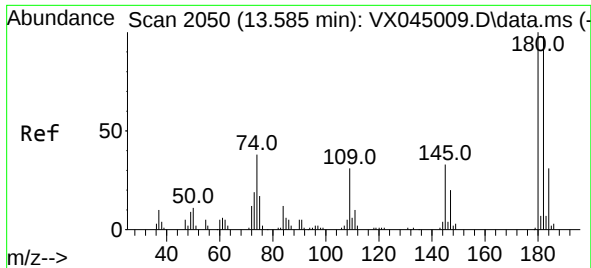


#88
1,2-Dibromo-3-Chloropropane
Concen: 2.666 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion: 75 Resp: 1045
Ion Ratio Lower Upper
75 100
155 73.3 66.2 99.4
157 98.2 81.4 122.2





#89

1,2,4-Trichlorobenzene

Concen: 2.116 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2025

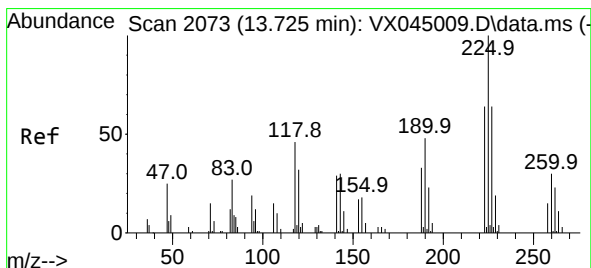
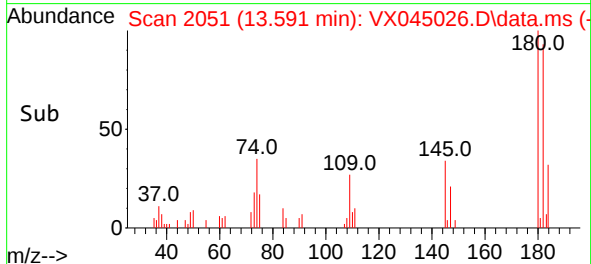
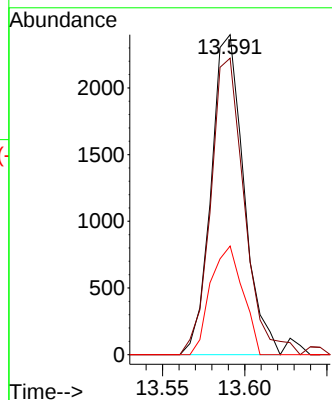
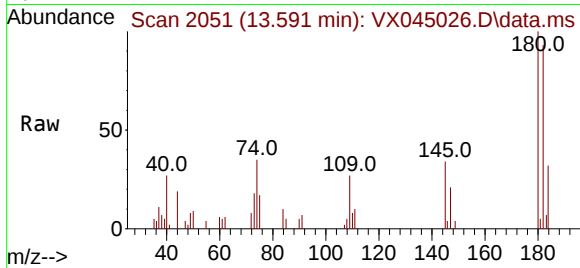
Tgt Ion:180	Resp:	3319
Ion Ratio	Lower	Upper
180	100	
182	94.2	77.7 116.5
145	33.4	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#90

Hexachlorobutadiene

Concen: 2.436 ug/l

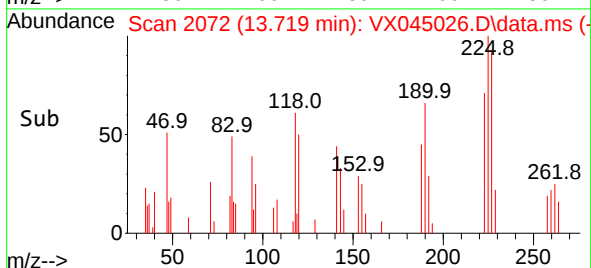
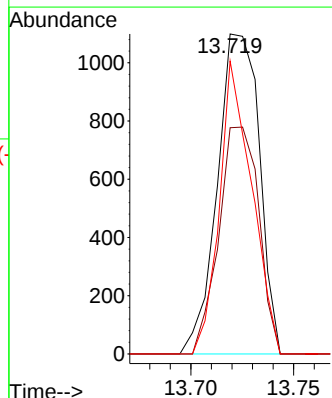
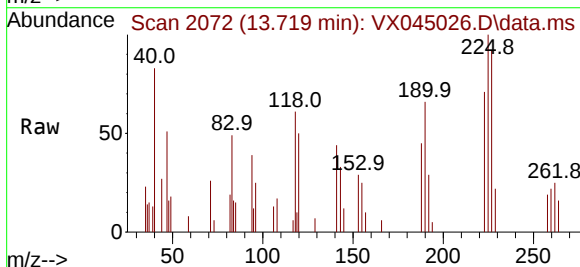
RT: 13.719 min Scan# 2072

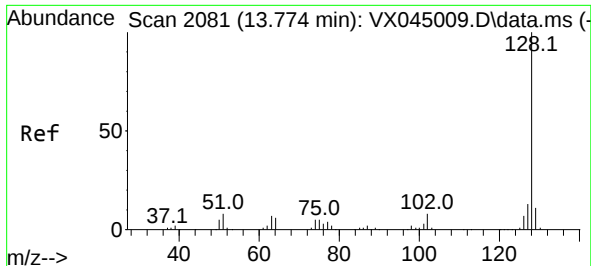
Delta R.T. -0.006 min

Lab File: VX045026.D

Acq: 24 Feb 2025 12:46

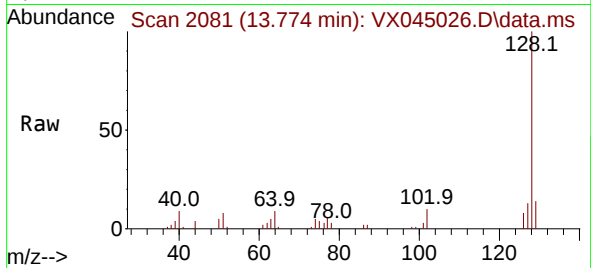
Tgt Ion:225	Resp:	1558
Ion Ratio	Lower	Upper
225	100	
223	67.5	0.0 123.4
227	70.5	0.0 127.4





#91
Naphthalene
Concen: 2.072 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46

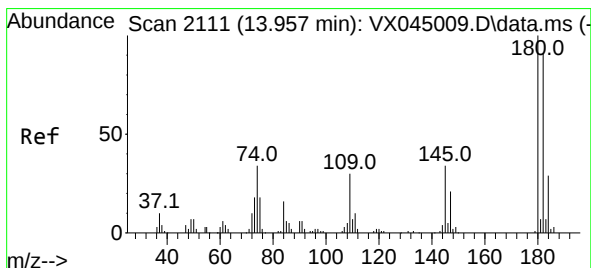
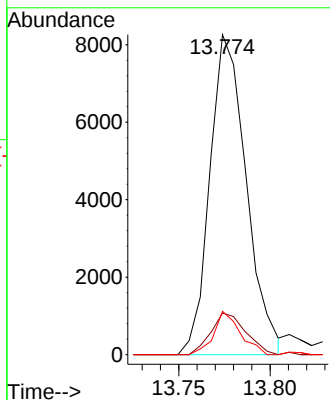
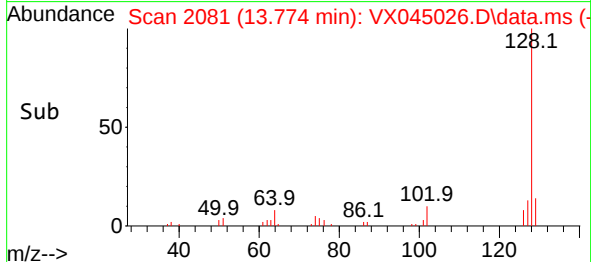
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2025



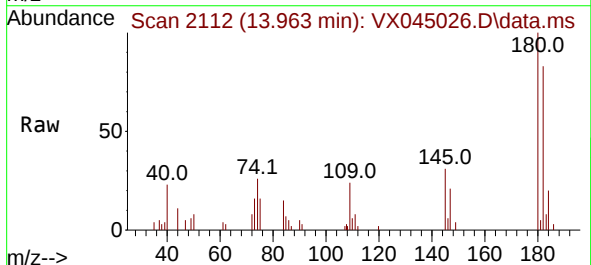
Tgt Ion:128 Resp: 11459
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 9.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.478 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045026.D
Acq: 24 Feb 2025 12:46



Tgt Ion:180 Resp: 4001
Ion Ratio Lower Upper
180 100
182 90.7 0.0 186.6
145 26.7 0.0 68.4

