

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030724\
 Data File : VX040609.D
 Acq On : 06 Mar 2024 17:21
 Operator : JC/MD
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Mar 07 03:23:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 01:31:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	146234	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	139499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	68576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	64377	50.221	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.440%			
7) Chloroethane-d5	1.666	69	52653	51.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.900%			
11) 1,1-Dichloroethene-d2	2.306	65	29254	49.576	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.160%			
21) 2-Butanone-d5	4.452	46	104434	106.168	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.170%			
24) Chloroform-d	5.056	84	119902	50.368	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.740%			
26) 1,2-Dichloroethane-d4	5.958	65	90352	50.837	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.680%			
32) Benzene-d6	5.976	84	224492	52.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.900%			
36) 1,2-Dichloropropane-d6	7.305	67	69784	52.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.220%			
41) Toluene-d8	8.647	98	206916	50.168	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.340%			
43) trans-1,3-Dichloroprop...	8.952	79	35895	50.846	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.700%			
47) 2-Hexanone-d5	9.384	63	75975	103.808	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.810%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	101703	51.211	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.420%			
66) 1,2-Dichlorobenzene-d4	12.323	152	76664	53.376	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3429	2.627	ug/L	100
3) Chloromethane	1.294	50	2876	2.535	ug/L	90
5) Vinyl chloride	1.374	62	3510	2.859	ug/L #	67
6) Bromomethane	1.611	94	1883	2.889	ug/L	95
8) Chloroethane	1.691	64	1902	2.702	ug/L	90
9) Trichlorofluoromethane	1.892	101	4940	2.892	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	3068	3.028	ug/L	93
12) 1,1-Dichloroethene	2.319	96	2755	3.091	ug/L #	1
13) Acetone	2.380	43	3190	4.541	ug/L	93
14) Carbon disulfide	2.514	76	6756	2.619	ug/L	97
15) Methyl Acetate	2.709	43	3043	2.566	ug/L	97
16) Methylene chloride	2.782	84	2867	2.921	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	2186	2.389	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	7242	2.288	ug/L	98
19) 1,1-Dichloroethane	3.617	63	4468	2.513	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	2590	2.524	ug/L	96
22) 2-Butanone	4.568	43	4196	4.511	ug/L	80
23) Bromochloromethane	4.910	128	1322	2.526	ug/L #	60
25) Chloroform	5.086	83	8326	4.150	ug/L	88

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

27) 1,2-Dichloroethane	6.092	62	4687	2.658	ug/L	98
29) Cyclohexane	5.477	56	3935m	2.567	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	4333m	2.494	ug/L	
31) Carbon tetrachloride	5.684	117	3648	2.502	ug/L	98
33) Benzene	6.043	78	8961	2.391	ug/L	100
35) Methylcyclohexane	7.379	83	4164	2.576	ug/L	98
37) 1,2-Dichloropropane	7.434	63	2652m	2.673	ug/L	
38) Bromodichloromethane	7.824	83	3458	2.357	ug/L #	92
39) cis-1,3-Dichloropropene	8.372	75	4098	2.453	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	7876	4.631	ug/L	98
42) Toluene	8.720	91	10040	2.442	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	3675m	2.259	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2748	2.683	ug/L	97
46) Tetrachloroethene	9.275	164	2013	2.534	ug/L	97
48) 2-Hexanone	9.433	43	7261	5.152	ug/L	98
49) Dibromochloromethane	9.518	129	2399	2.242	ug/L	98
50) 1,2-Dibromoethane	9.616	107	2601	2.362	ug/L #	87
51) Chlorobenzene	10.079	112	6721	2.523	ug/L	94
52) Ethylbenzene	10.195	91	11453	2.371	ug/L	96
53) m,p-Xylene	10.299	106	4468	2.544	ug/L	95
54) o-Xylene	10.646	106	3766	2.234	ug/L	78
55) Styrene	10.659	104	6446	2.194	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	4582	2.714	ug/L	97
59) Bromoform	10.799	173	1600	2.012	ug/L #	94
60) Isopropylbenzene	10.963	105	10669	2.317	ug/L	96
61) 1,2,3-Trichloropropane	11.238	75	3229	2.363	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	9221	2.416	ug/L	95
63) 1,2,4-Trimethylbenzene	11.750	105	8727	2.286	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	4743	2.353	ug/L	90
65) 1,4-Dichlorobenzene	12.042	146	5652	2.757	ug/L	90
67) 1,2-Dichlorobenzene	12.335	146	4987	2.602	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1003	2.507	ug/L	97
69) 1,3,5-Trichlorobenzene	13.115	180	3704	2.738	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3210	2.558	ug/L	94
71) Naphthalene	13.774	128	8472	2.124	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2952	2.388	ug/L	96

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

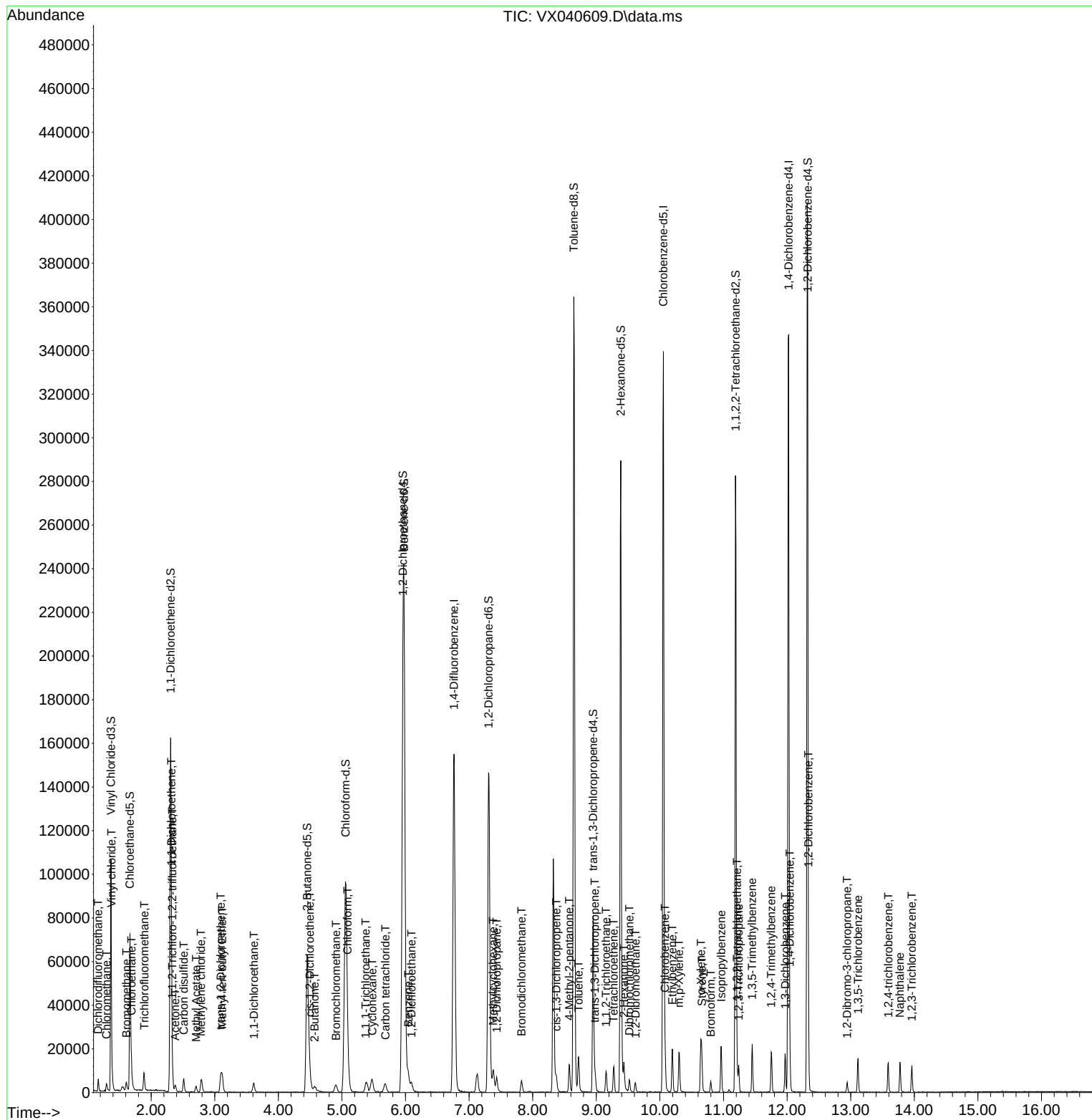
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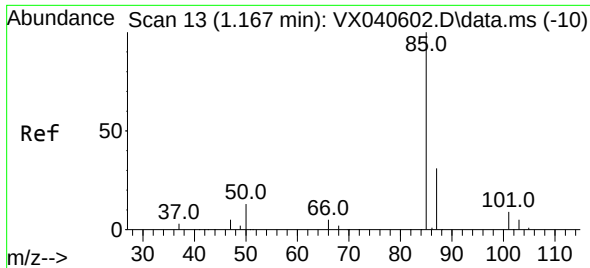
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MSVOA_X
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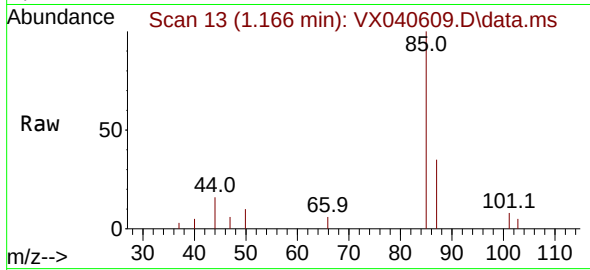
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024





#2
Dichlorodifluoromethane
Concen: 2.627 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

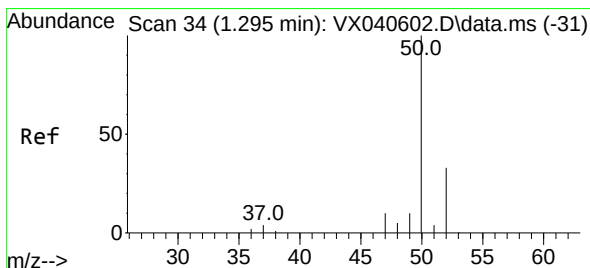
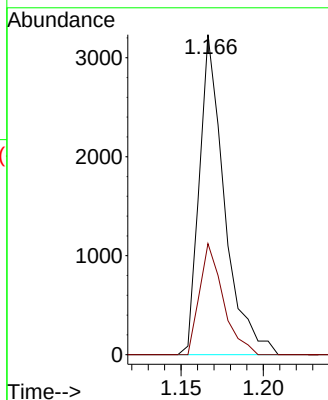
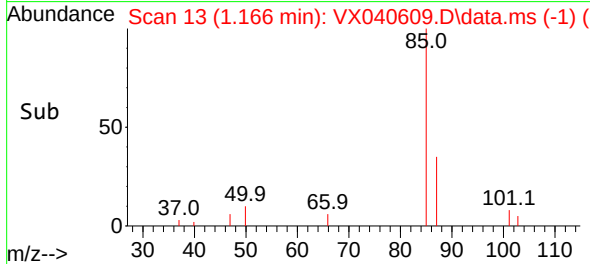
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion: 85 Resp: 3429
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1

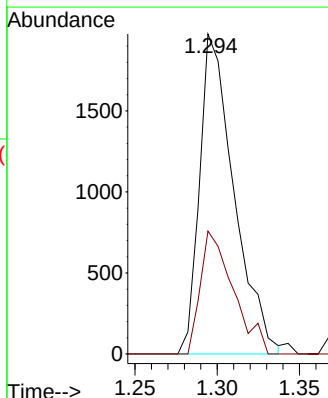
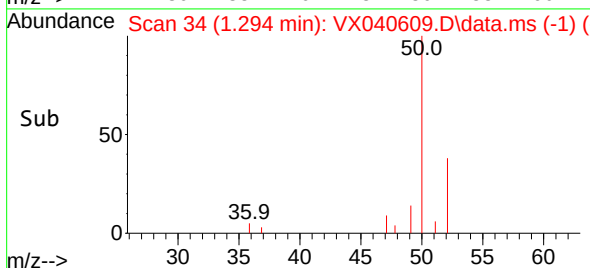
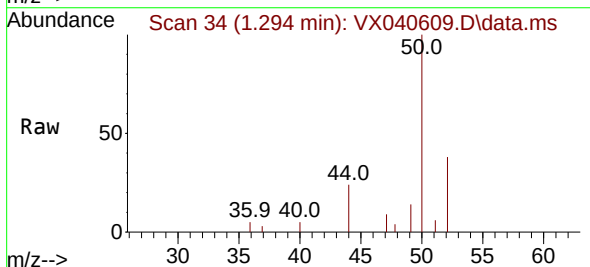
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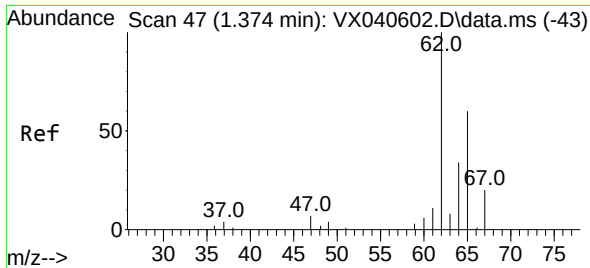
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#3
Chloromethane
Concen: 2.535 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 50 Resp: 2876
Ion Ratio Lower Upper
50 100
52 38.4 23.1 42.9





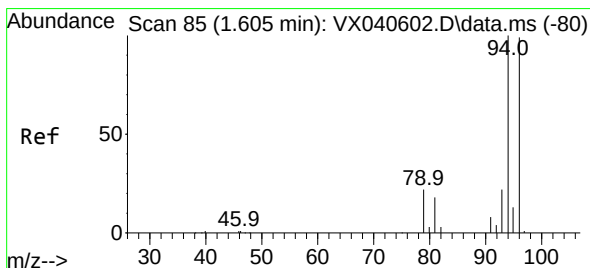
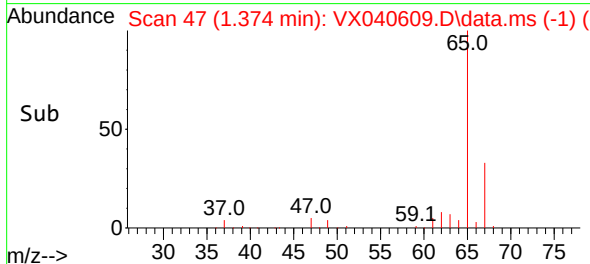
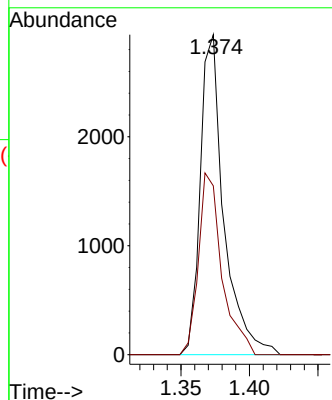
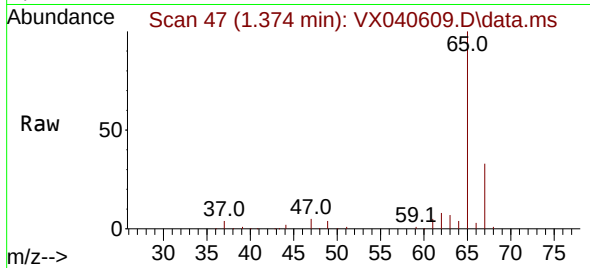
#5
Vinyl chloride
Concen: 2.859 ug/L
RT: 1.374 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 62 Resp: 3510
Ion Ratio Lower Upper
62 100
64 52.7 23.8 44.2

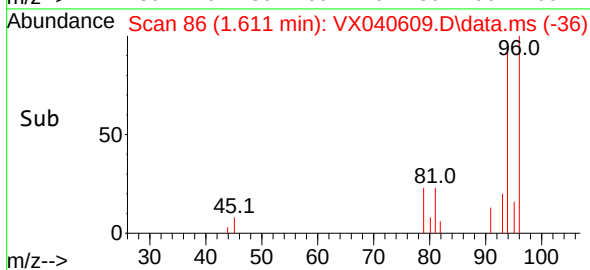
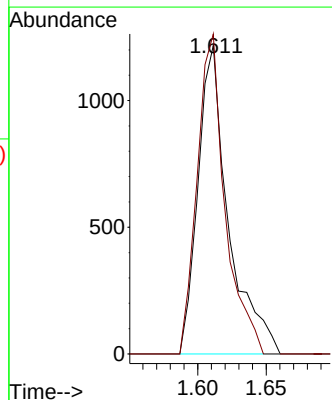
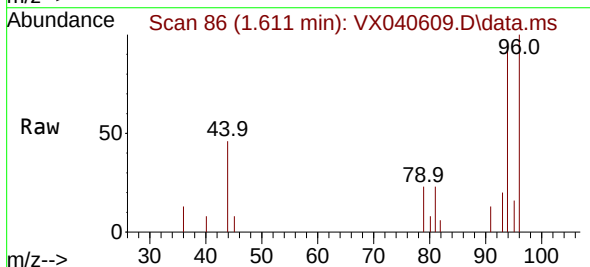
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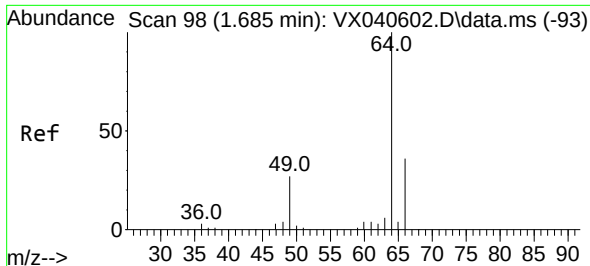
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#6
Bromomethane
Concen: 2.889 ug/L
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

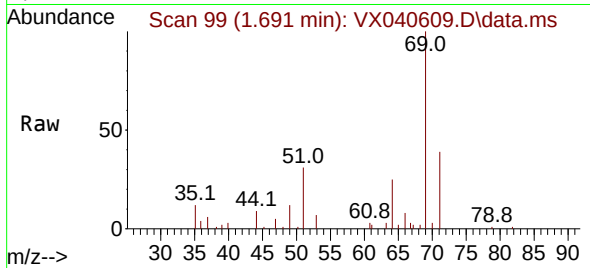
Tgt Ion: 94 Resp: 1883
Ion Ratio Lower Upper
94 100
96 103.7 69.0 128.2





#8
Chloroethane
Concen: 2.702 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

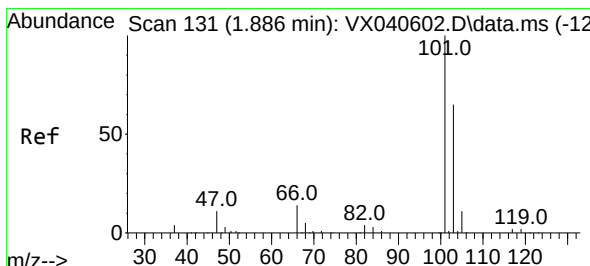
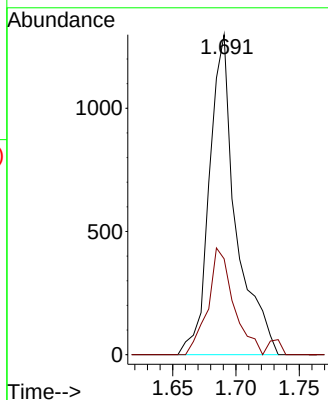
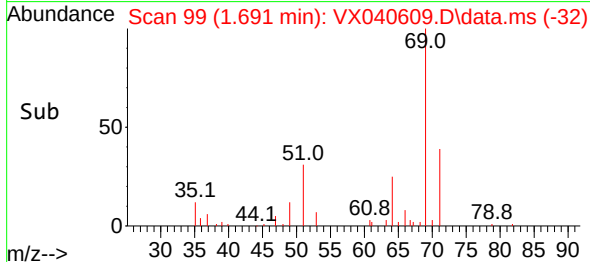
Instrument :
MSVOA_X
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MDL-WATER-QT1-2024-01



Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 29.9 25.0 46.4

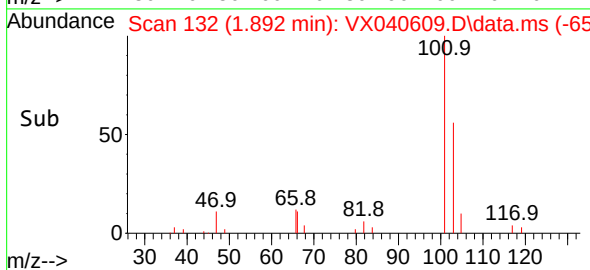
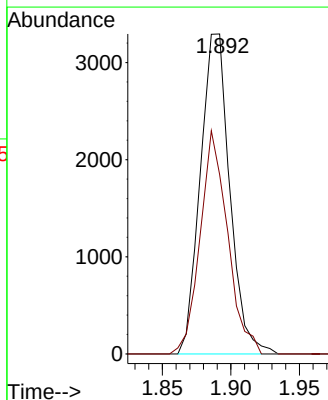
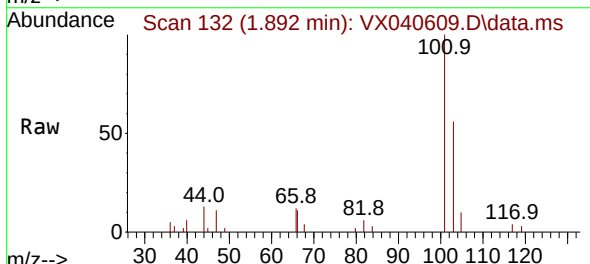
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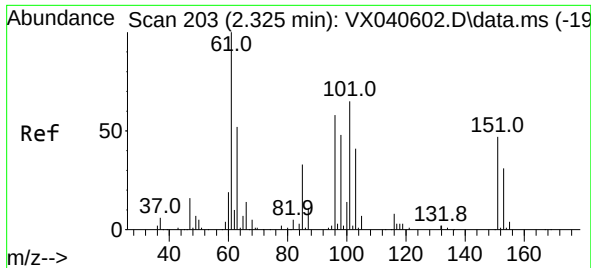
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#9
Trichlorofluoromethane
Concen: 2.892 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion:101 Resp: 4940
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5





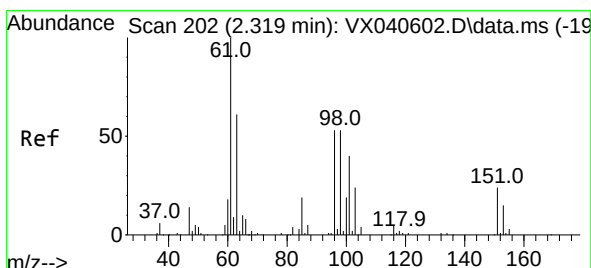
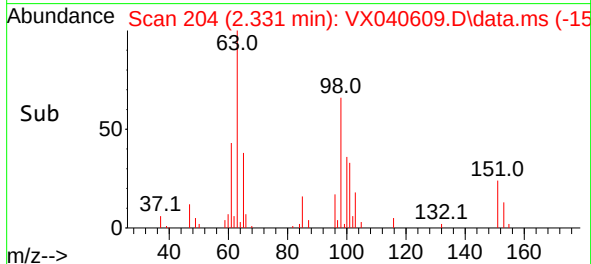
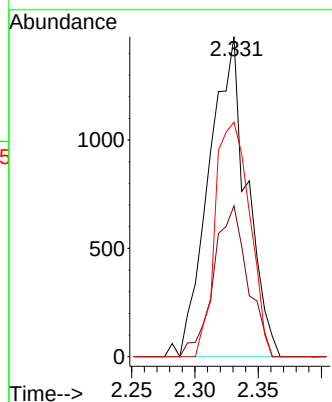
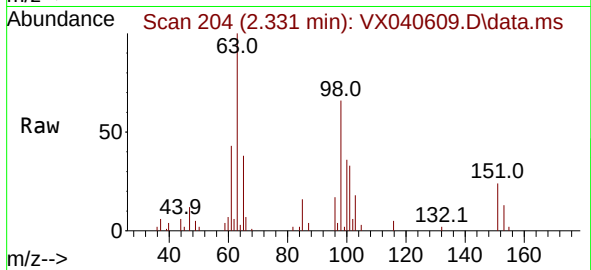
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.028 ug/L
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040609.D
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MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:101 Resp: 3068
Ion Ratio Lower Upper
101 100
85 42.6 38.3 57.5
151 66.8 57.7 86.5

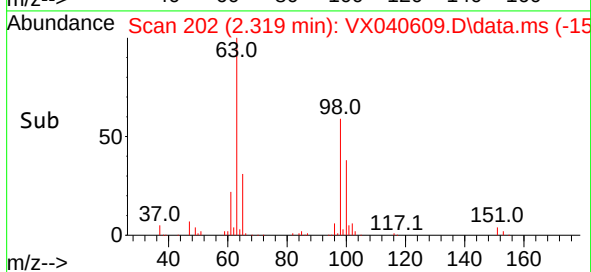
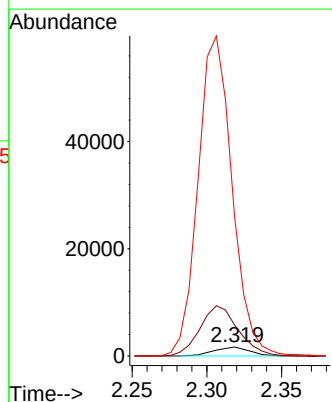
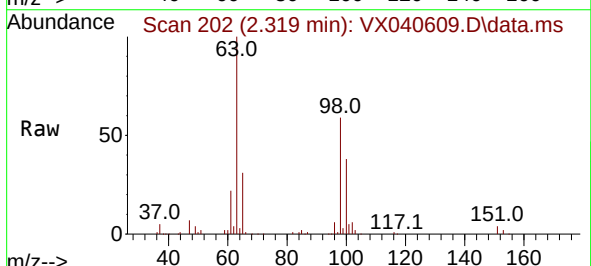
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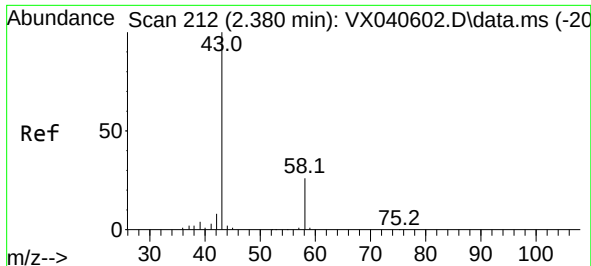
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#12
1,1-Dichloroethene
Concen: 3.091 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 96 Resp: 2755
Ion Ratio Lower Upper
96 100
61 347.1 134.8 250.4#
63 1560.5 92.5 171.9#





#13

Acetone

Concen: 4.541 ug/L

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040609.D

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MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 43 Resp: 3190

Ion Ratio Lower Upper

43 100

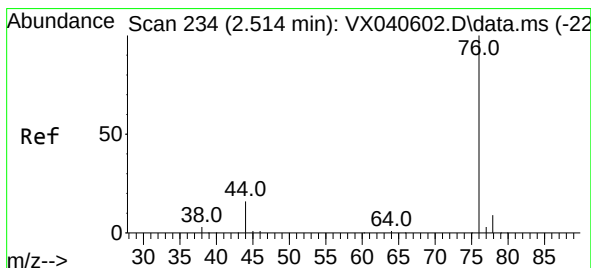
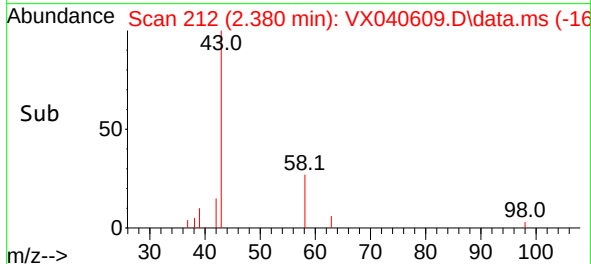
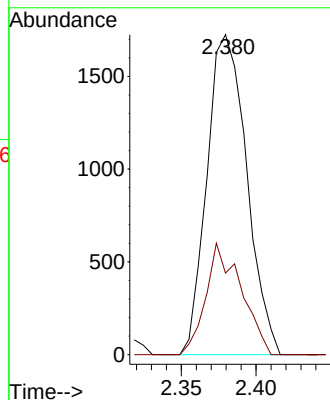
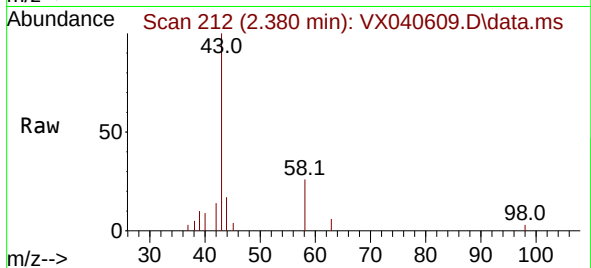
58 31.0 0.0 54.6

Manual Integrations

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Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#14

Carbon disulfide

Concen: 2.619 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

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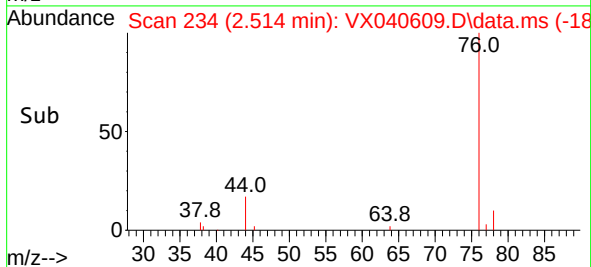
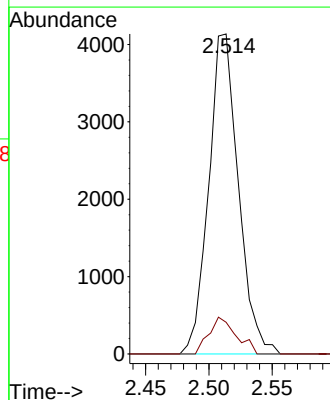
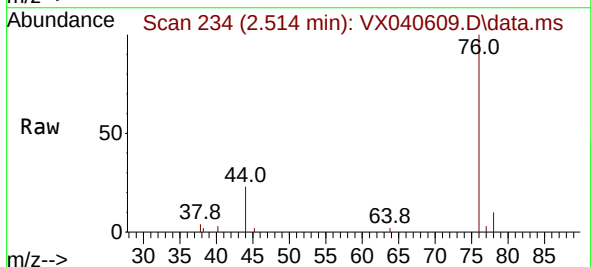
Acq: 06 Mar 2024 17:21

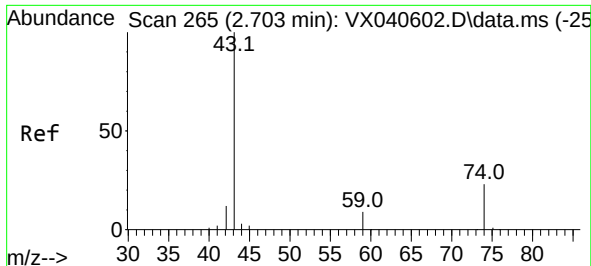
Tgt Ion: 76 Resp: 6756

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8





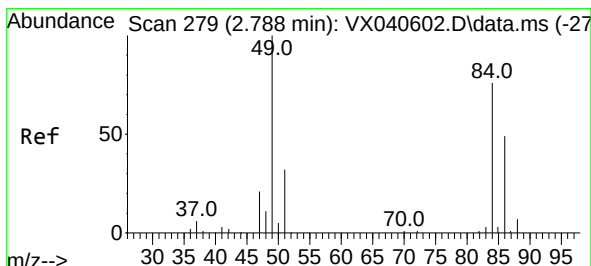
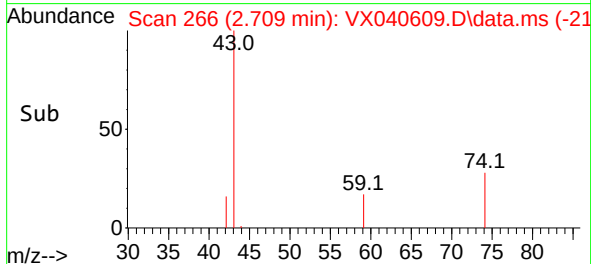
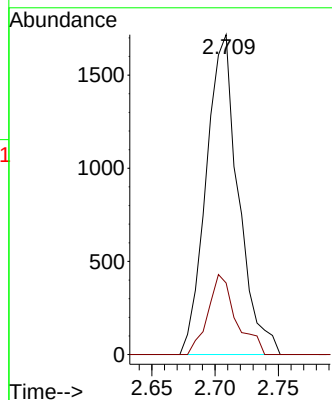
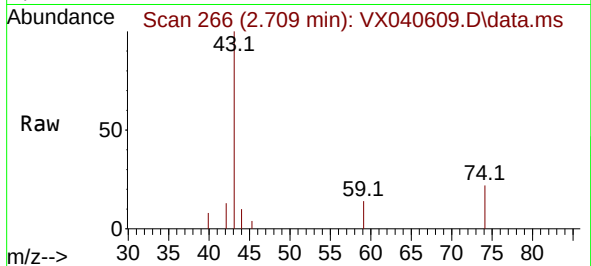
#15
Methyl Acetate
Concen: 2.566 ug/L
RT: 2.709 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
74 20.7 17.6 26.4

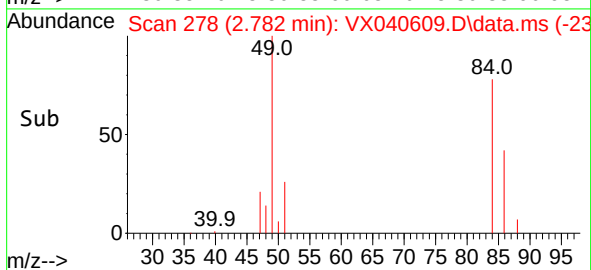
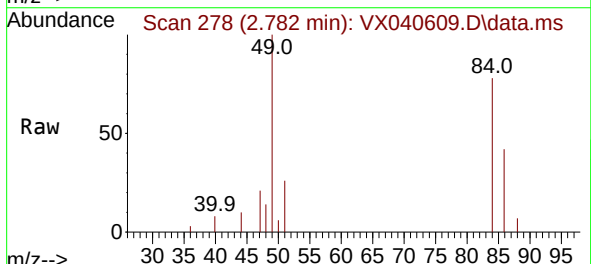
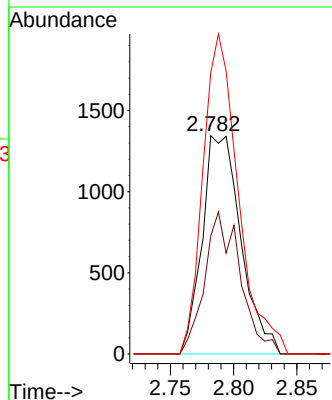
Manual Integrations
APPROVED

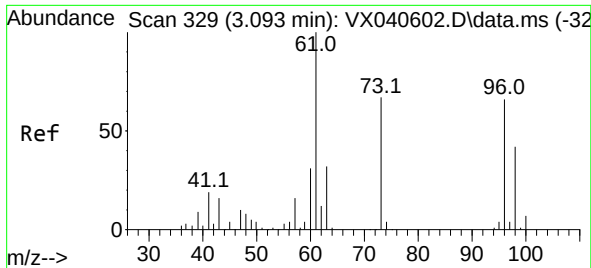
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#16
Methylene chloride
Concen: 2.921 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

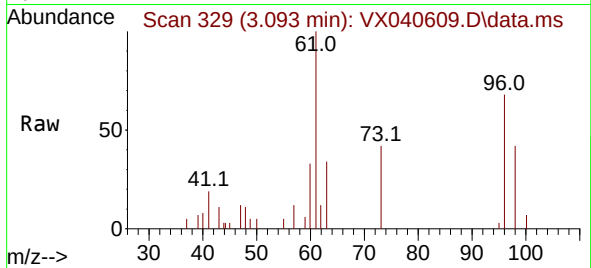
Tgt Ion: 84 Resp: 2867
Ion Ratio Lower Upper
84 100
86 54.1 45.8 85.2
49 128.8 92.6 172.0





#17
trans-1,2-Dichloroethene
Concen: 2.389 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

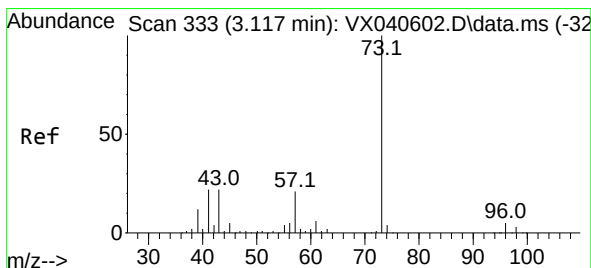
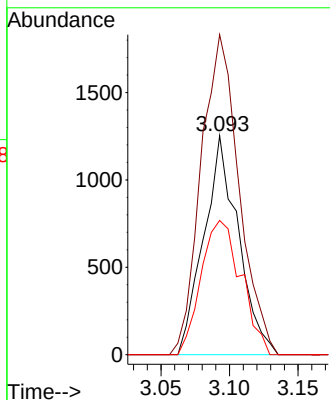
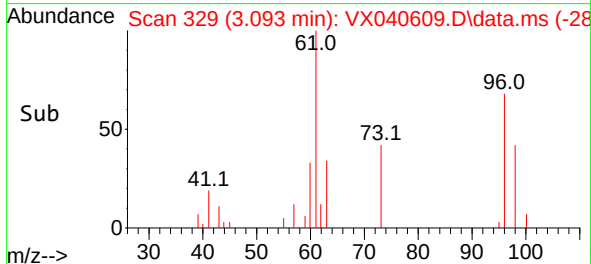
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 96 Resp: 2180
Ion Ratio Lower Upper
96 100
61 146.1 106.6 198.0
98 61.3 45.1 83.9

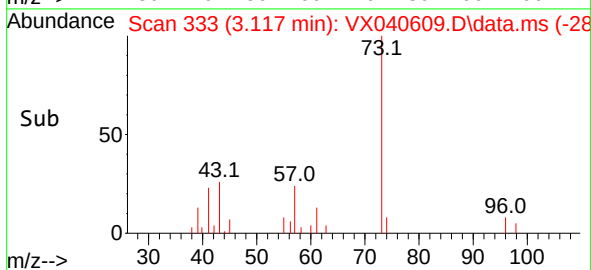
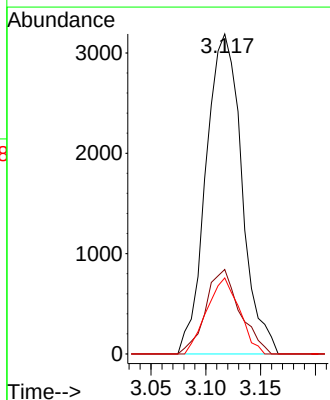
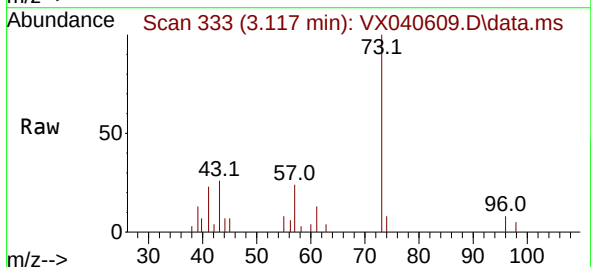
Manual Integrations
APPROVED

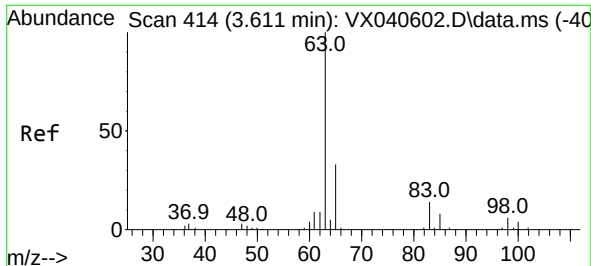
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#18
Methyl tert-butyl Ether
Concen: 2.288 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 73 Resp: 7242
Ion Ratio Lower Upper
73 100
43 25.3 19.3 28.9
57 21.7 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.513 ug/L

RT: 3.617 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 63 Resp: 4468

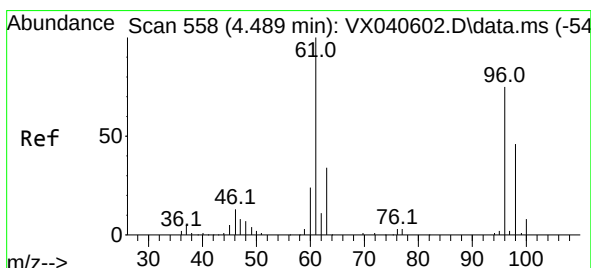
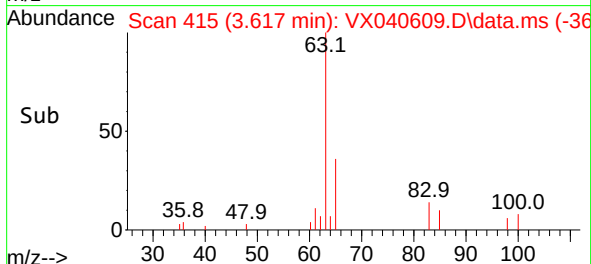
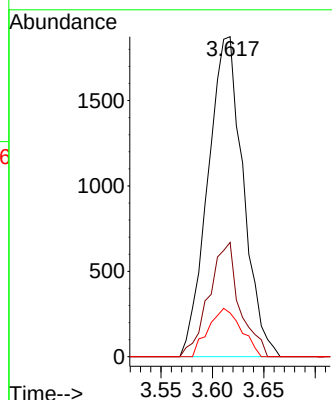
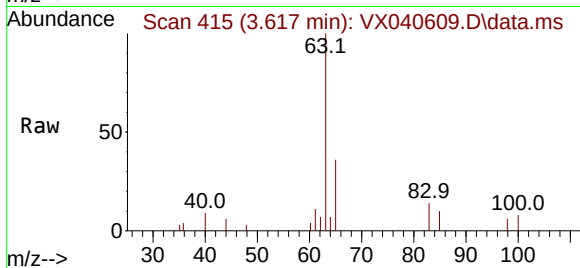
Ion	Ratio	Lower	Upper
63	100		
65	35.7	23.1	42.9
83	13.7	9.9	18.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#20

cis-1,2-Dichloroethene

Concen: 2.524 ug/L

RT: 4.495 min Scan# 559

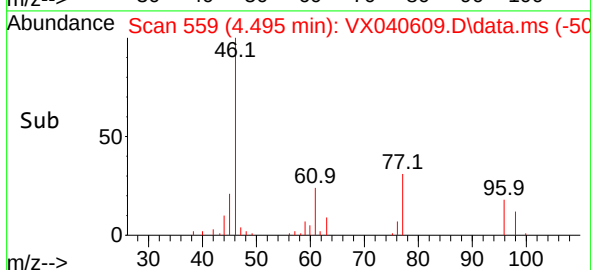
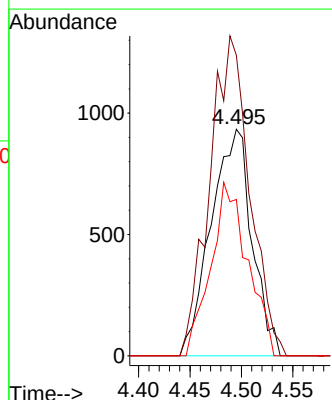
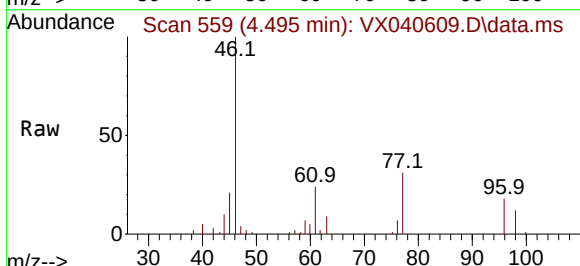
Delta R.T. 0.006 min

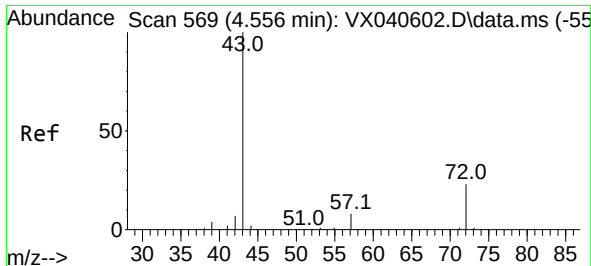
Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Tgt Ion: 96 Resp: 2590

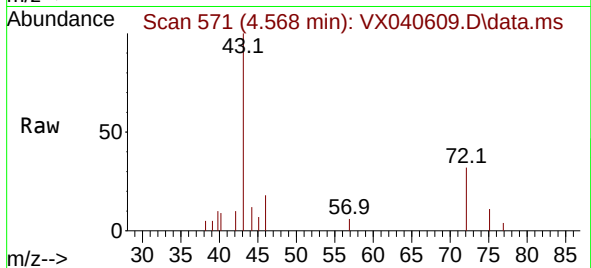
Ion	Ratio	Lower	Upper
96	100		
61	132.5	93.0	172.8
98	69.0	42.4	78.6





#22
2-Butanone
Concen: 4.511 ug/L
RT: 4.568 min Scan# 519
Delta R.T. 0.012 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

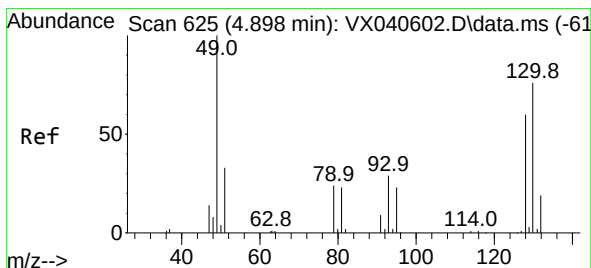
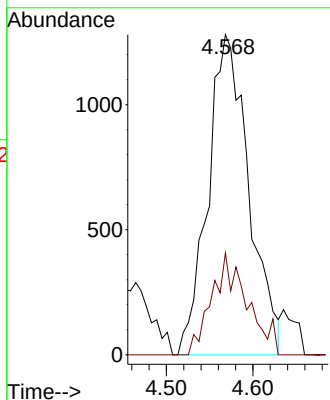
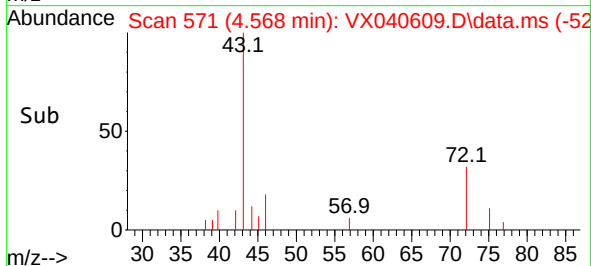
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
72 14.9 12.4 37.2

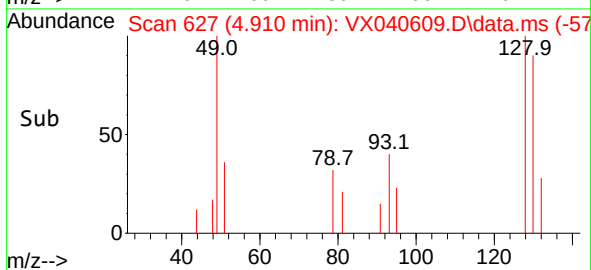
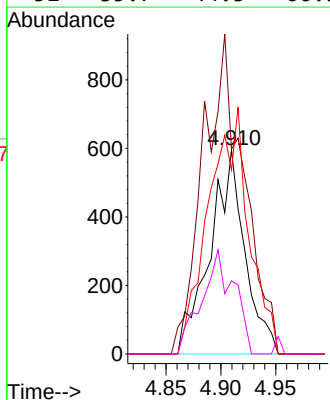
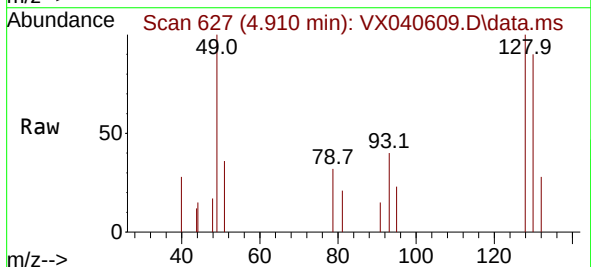
Manual Integrations
APPROVED

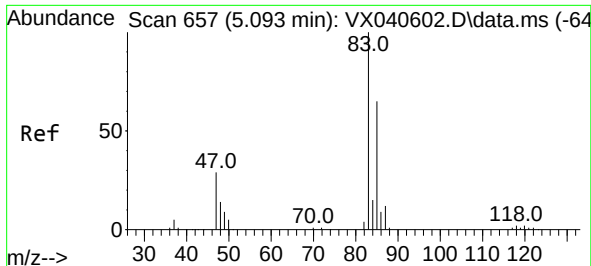
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#23
Bromochloromethane
Concen: 2.526 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion:128 Resp: 1322
Ion Ratio Lower Upper
128 100
49 100.3 118.1 219.3#
130 90.1 89.4 166.0
51 35.7 44.3 66.5#





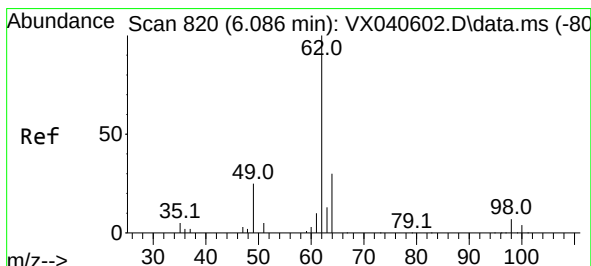
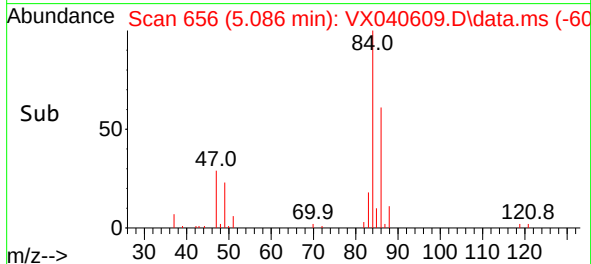
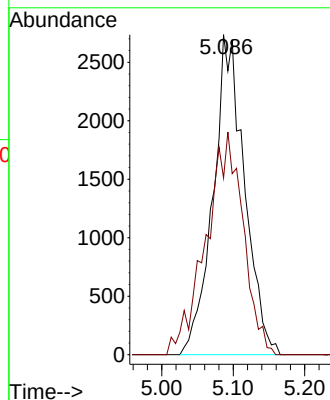
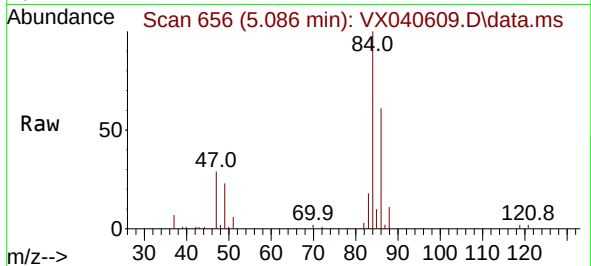
#25
Chloroform
Concen: 4.150 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion: 83 Resp: 8320
Ion Ratio Lower Upper
83 100
85 55.2 45.4 84.4

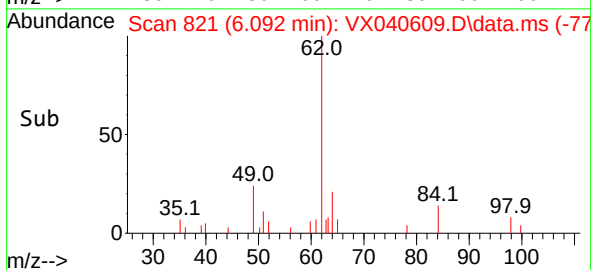
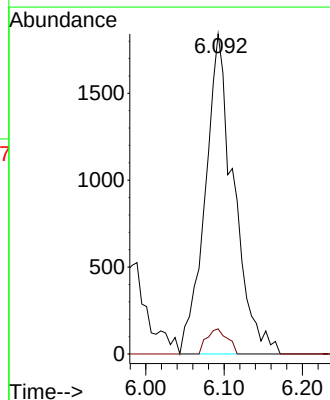
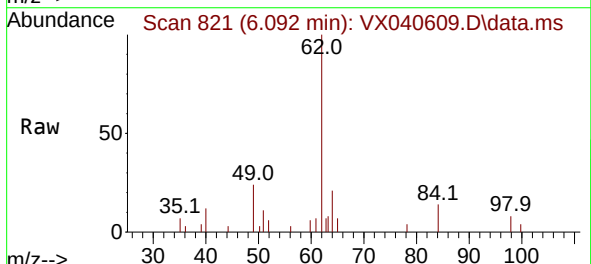
Manual Integrations
APPROVED

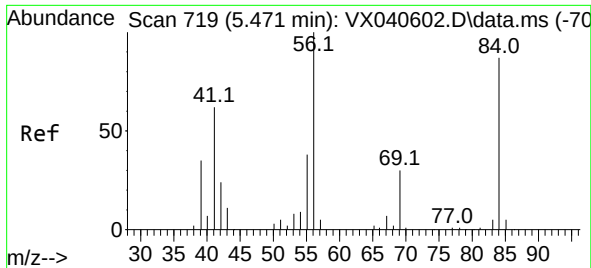
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#27
1,2-Dichloroethane
Concen: 2.658 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

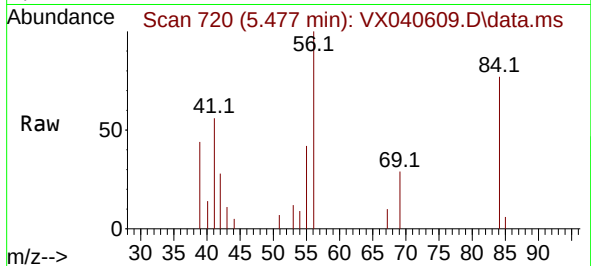
Tgt Ion: 62 Resp: 4687
Ion Ratio Lower Upper
62 100
98 7.9 5.8 8.6





#29
Cyclohexane
Concen: 2.567 ug/L m
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

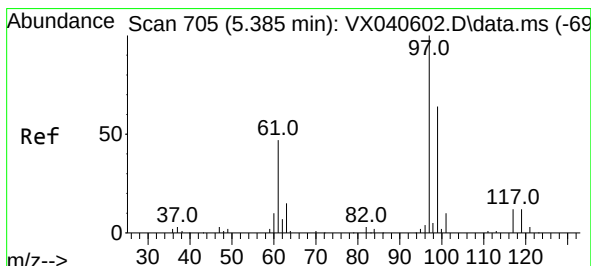
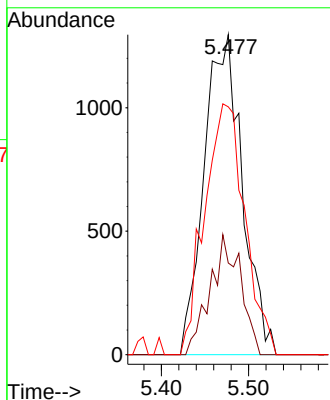
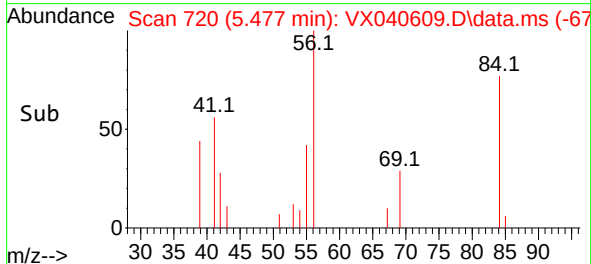
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 56 Resp: 3938
Ion Ratio Lower Upper
56 100
69 22.0 25.0 37.4#
84 82.6 70.6 105.8#

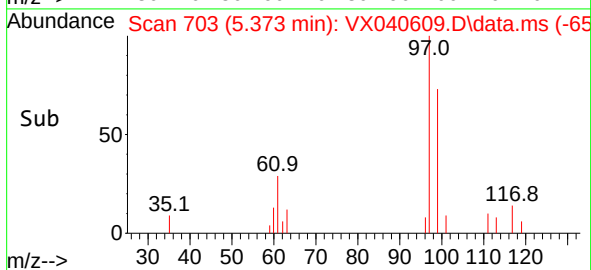
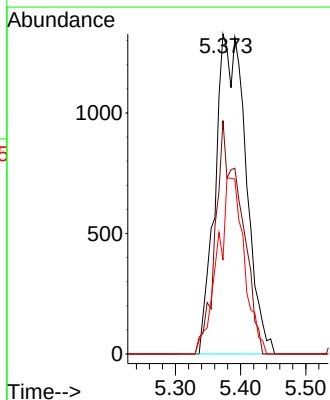
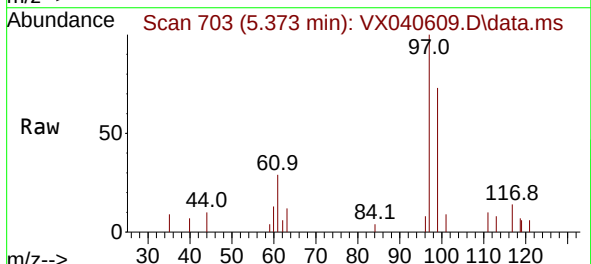
Manual Integrations
APPROVED

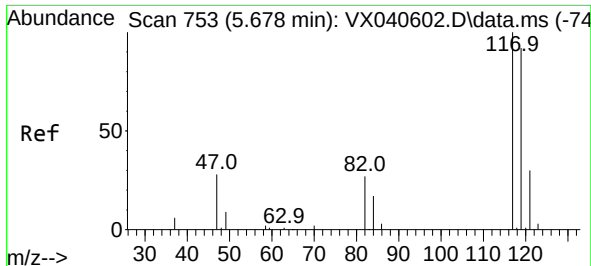
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#30
1,1,1-Trichloroethane
Concen: 2.494 ug/L m
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

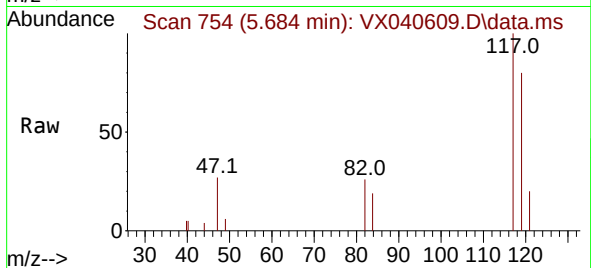
Tgt Ion: 97 Resp: 4333
Ion Ratio Lower Upper
97 100
99 29.2 52.1 78.1#
61 33.5 38.3 57.5#





#31
Carbon tetrachloride
Concen: 2.502 ug/L
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

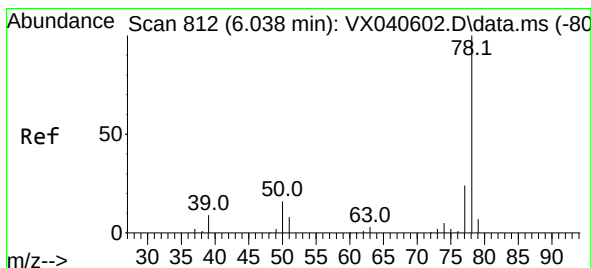
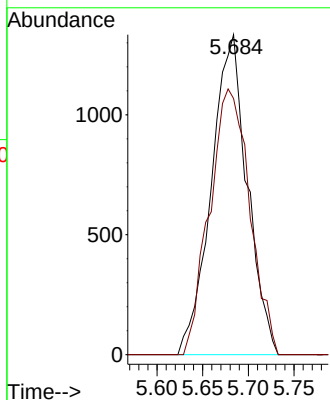
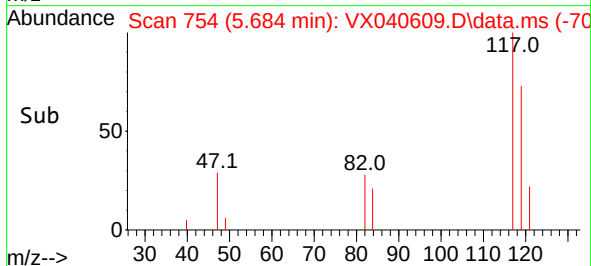
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:117 Resp: 3648
Ion Ratio Lower Upper
117 100
119 92.8 75.4 113.2

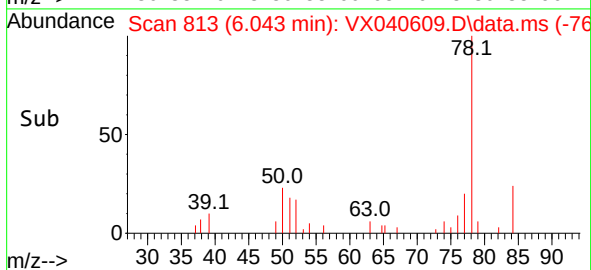
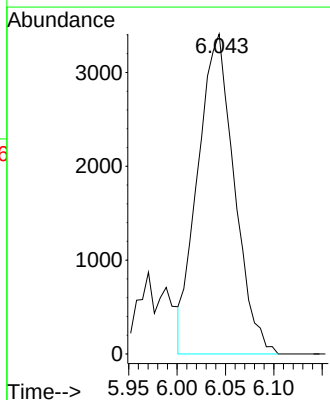
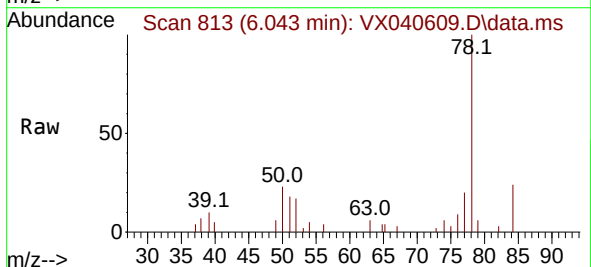
Manual Integrations
APPROVED

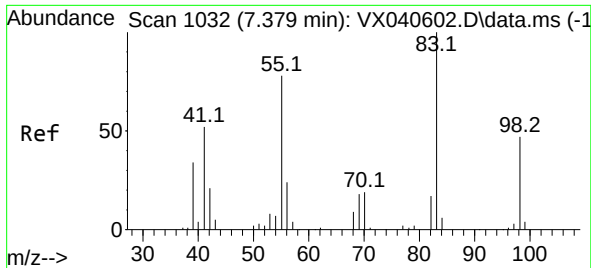
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#33
Benzene
Concen: 2.391 ug/L
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 78 Resp: 8961





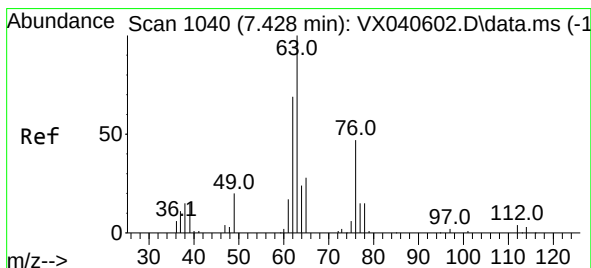
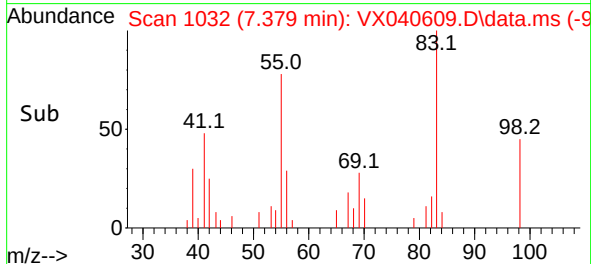
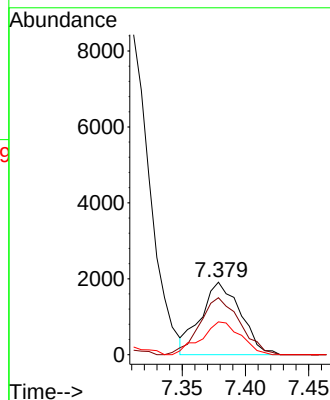
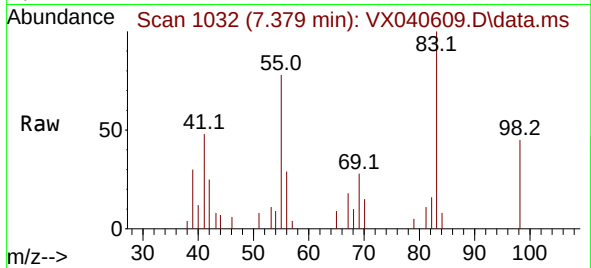
#35
Methylcyclohexane
Concen: 2.576 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion: 83 Resp: 4164
Ion Ratio Lower Upper
83 100
55 79.7 62.6 94.0
98 45.0 37.4 56.2

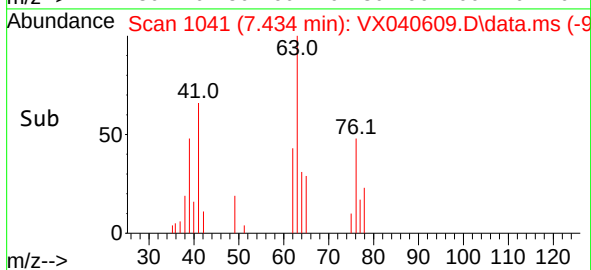
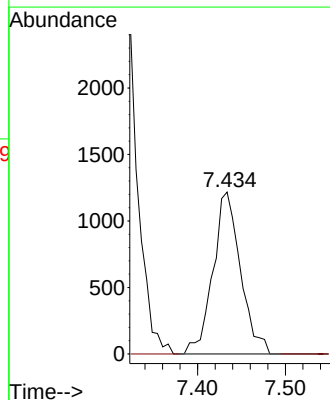
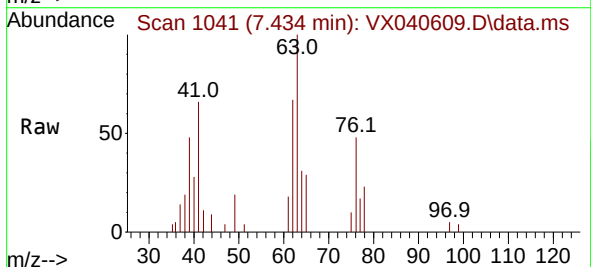
Manual Integrations
APPROVED

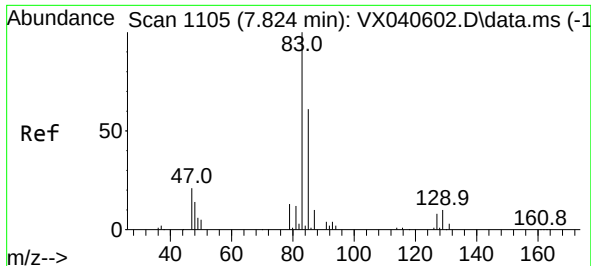
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#37
1,2-Dichloropropane
Concen: 2.673 ug/L m
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

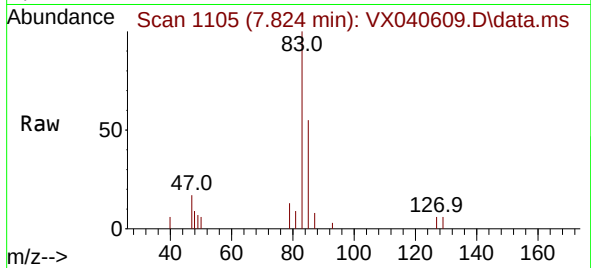
Tgt Ion: 63 Resp: 2652
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38
Bromodichloromethane
Concen: 2.357 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

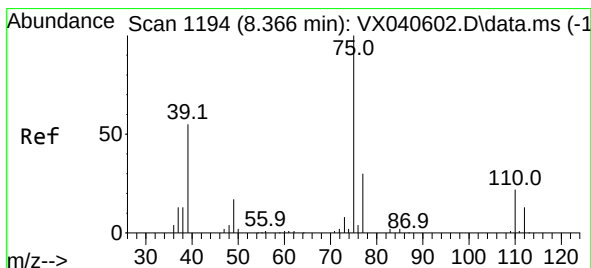
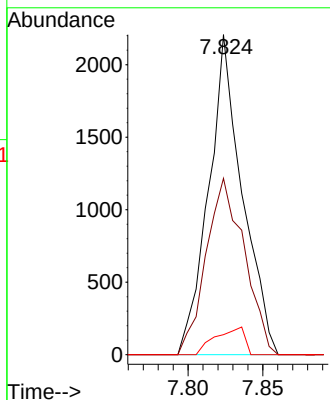
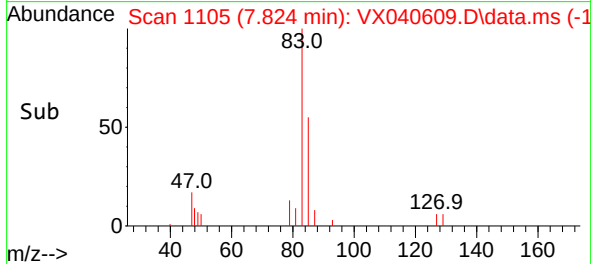
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion: 83 Resp: 345
Ion Ratio Lower Upper
83 100
85 55.1 42.8 79.4
127 6.3 6.5 9.7

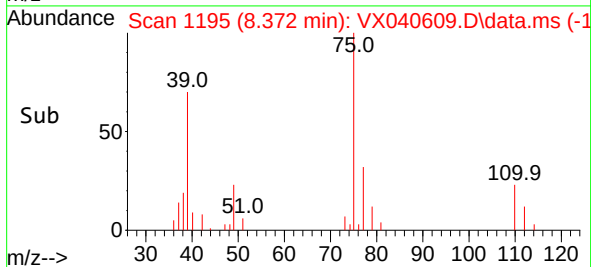
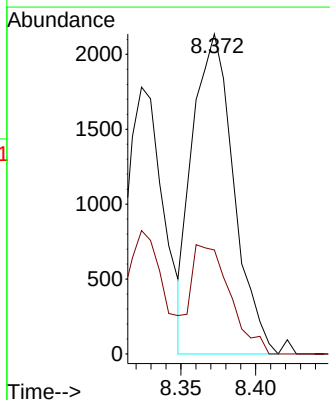
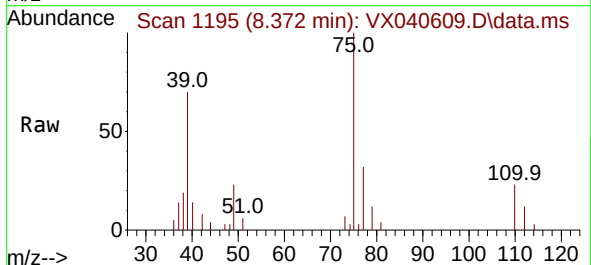
Manual Integrations
APPROVED

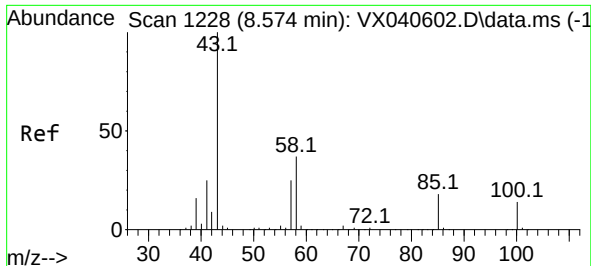
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#39
cis-1,3-Dichloropropene
Concen: 2.453 ug/L
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 75 Resp: 4098
Ion Ratio Lower Upper
75 100
77 32.5 21.1 39.3





#40

4-Methyl-2-pentanone

Concen: 4.631 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01

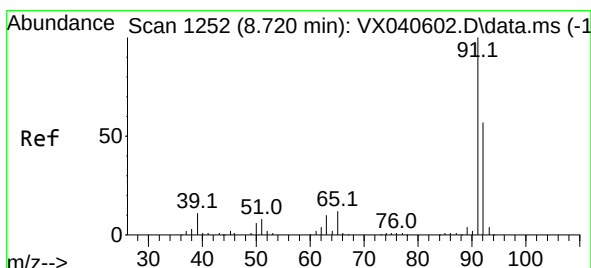
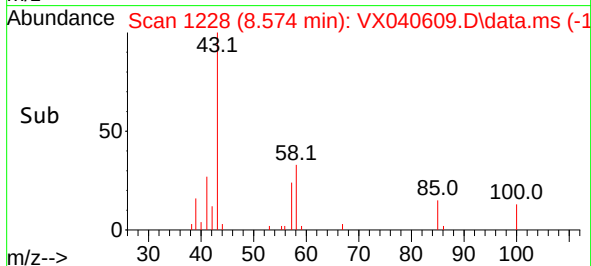
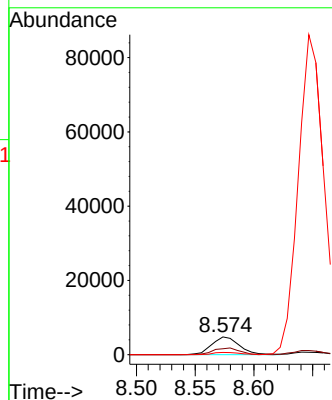
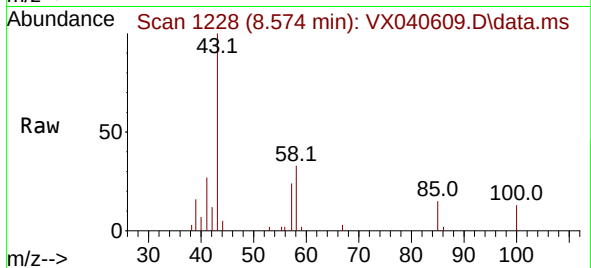
Tgt Ion: 43 Resp: 7870
 Ion Ratio Lower Upper
 43 100
 58 35.4 29.3 43.9
 100 12.6 10.7 16.1

Manual Integrations

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Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#42

Toluene

Concen: 2.442 ug/L

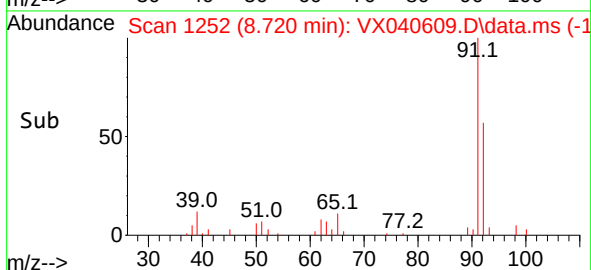
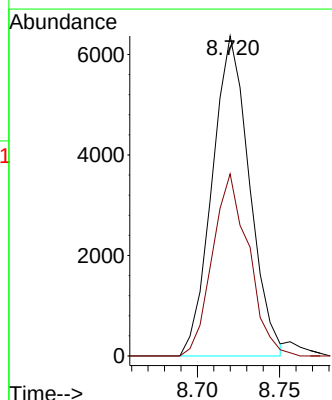
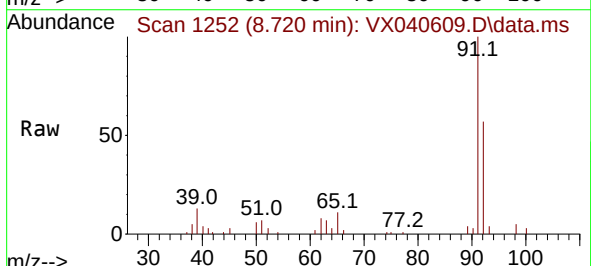
RT: 8.720 min Scan# 1252

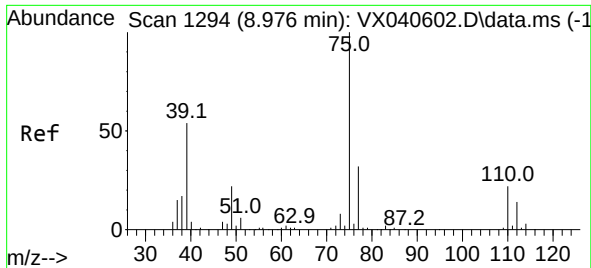
Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

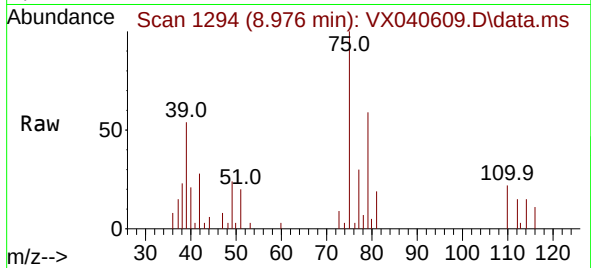
Tgt Ion: 91 Resp: 10040
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.2 74.6





#44
trans-1,3-Dichloropropene
Concen: 2.259 ug/L m
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

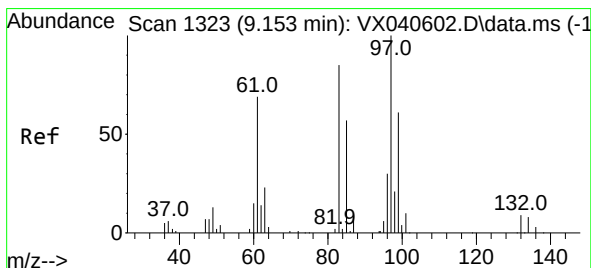
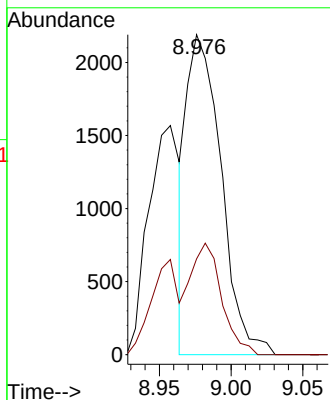
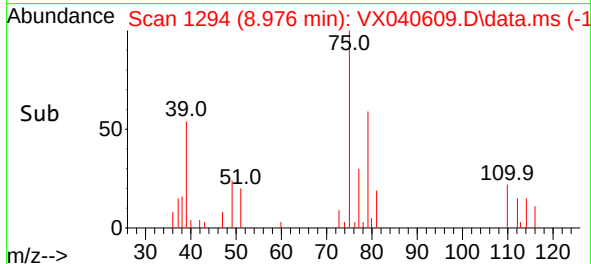
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion: 75 Resp: 367
Ion Ratio Lower Upper
75 100
77 30.0 22.1 41.1

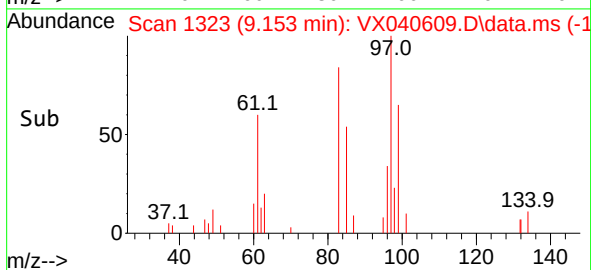
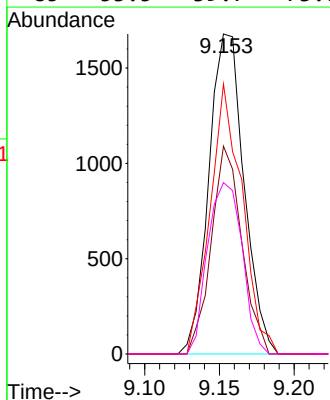
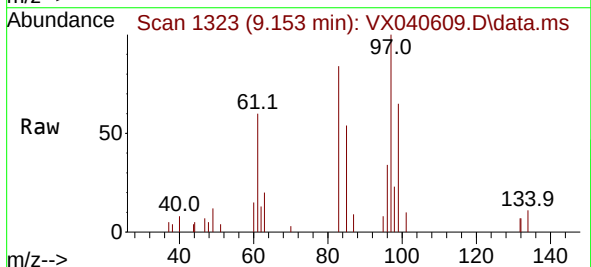
Manual Integrations
APPROVED

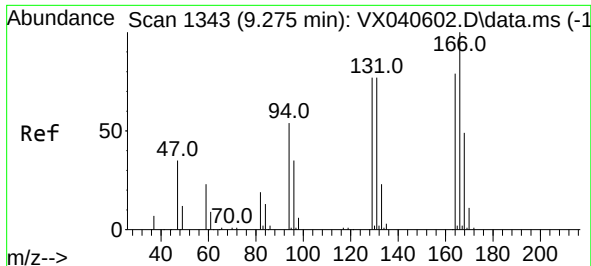
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#45
1,1,2-Trichloroethane
Concen: 2.683 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

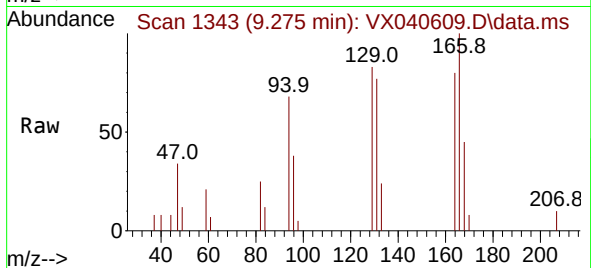
Tgt Ion: 97 Resp: 2748
Ion Ratio Lower Upper
97 100
99 65.0 42.6 79.0
83 84.3 59.2 110.0
85 53.5 39.7 73.7





#46
Tetrachloroethene
Concen: 2.534 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

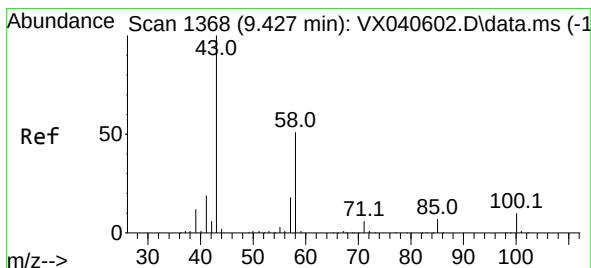
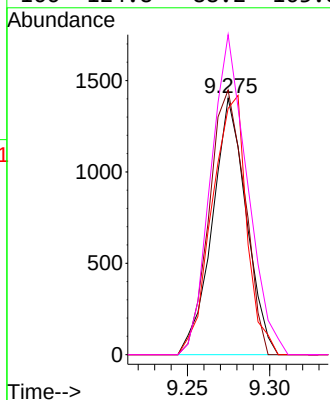
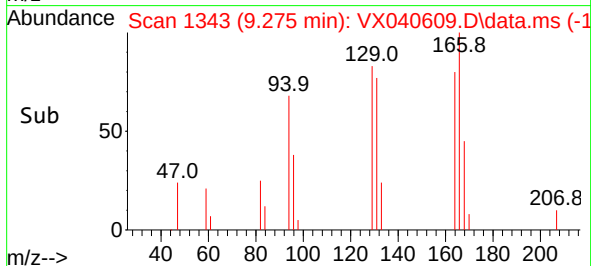
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion	Ratio	Lower	Upper
164	100		
129	103.2	67.8	126.0
131	96.0	67.8	126.0
166	124.8	88.2	163.8

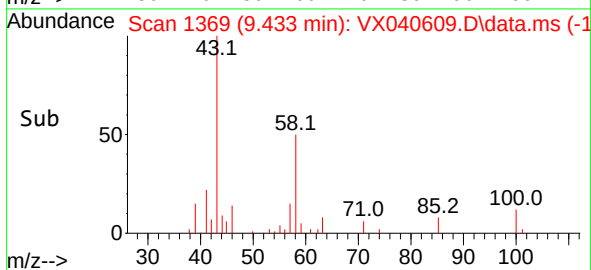
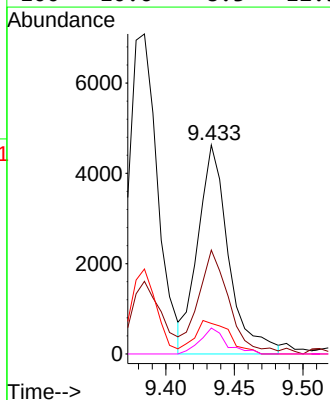
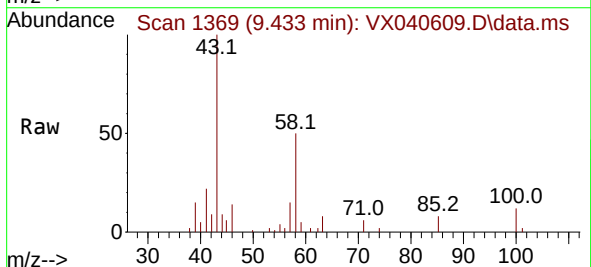
Manual Integrations
APPROVED

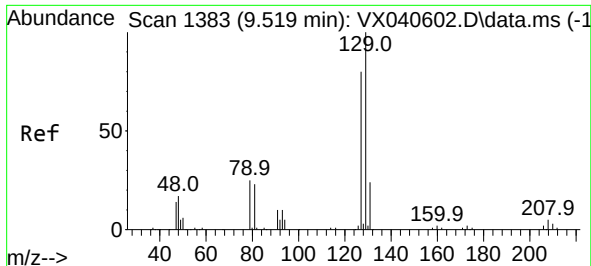
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#48
2-Hexanone
Concen: 5.152 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	41.0	61.6
57	17.9	14.8	22.2
100	10.6	8.3	12.5





#49

Dibromochloromethane

Concen: 2.242 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion:129 Resp: 2399

Ion Ratio Lower Upper

129 100

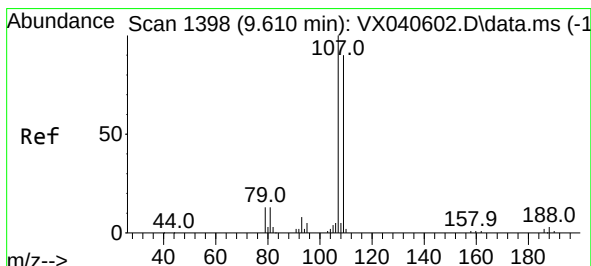
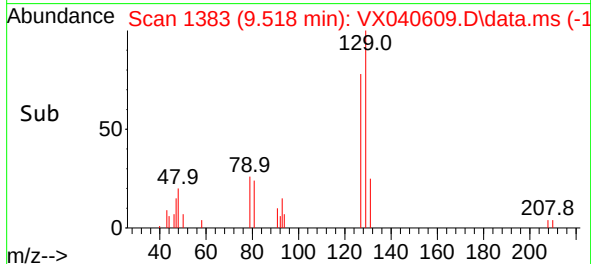
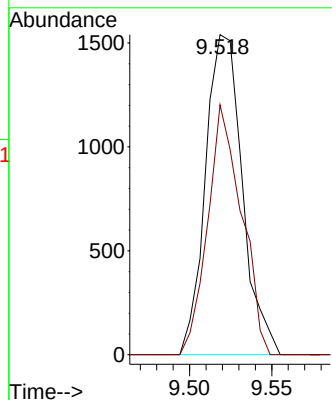
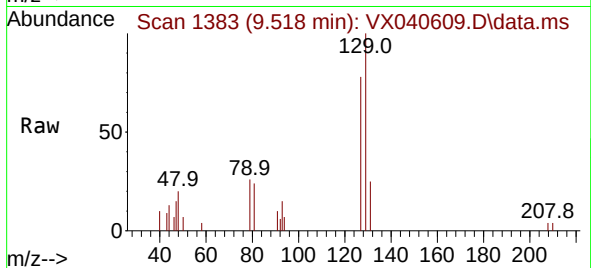
127 78.1 55.8 103.6

Manual Integrations

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Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#50

1,2-Dibromoethane

Concen: 2.362 ug/L

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

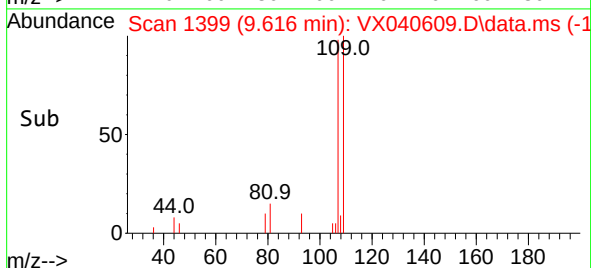
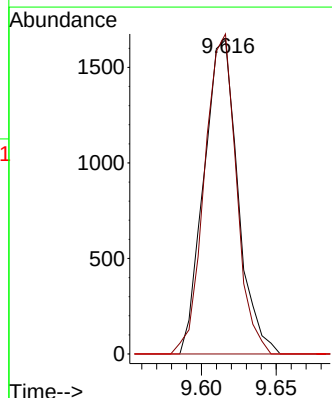
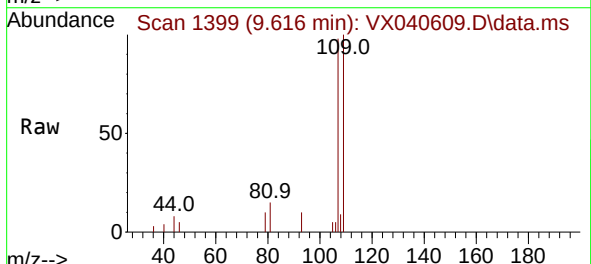
Tgt Ion:107 Resp: 2601

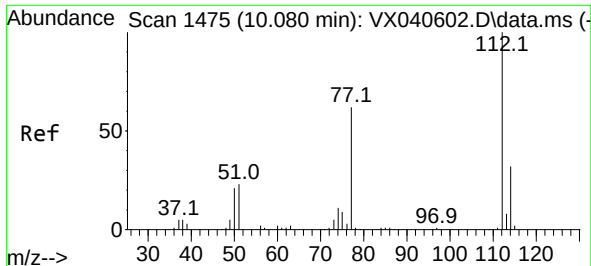
Ion Ratio Lower Upper

107 100

109 101.9 62.9 116.7

188 0.0 2.5 3.7#





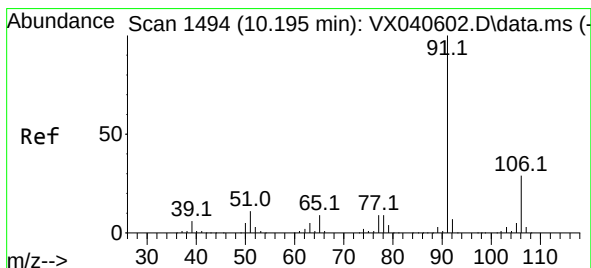
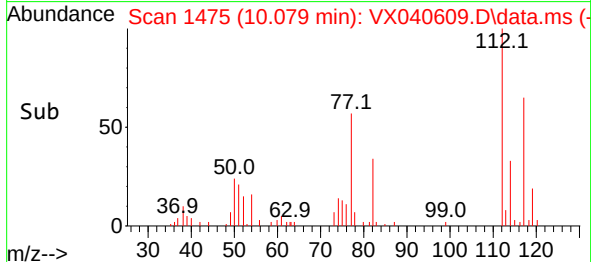
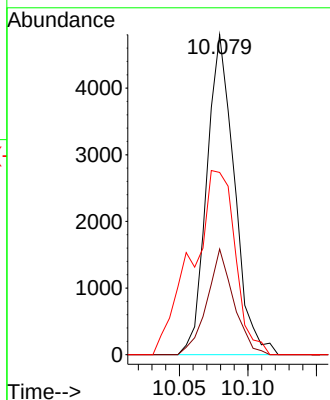
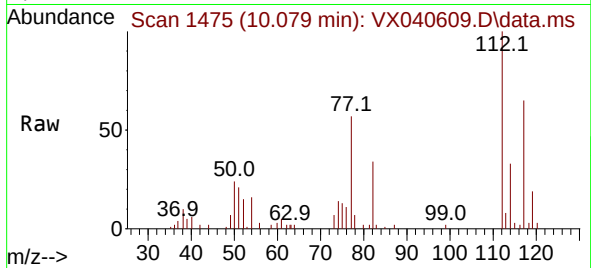
#51
Chlorobenzene
Concen: 2.523 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion: 112 Resp: 672
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 56.9 50.6 75.8

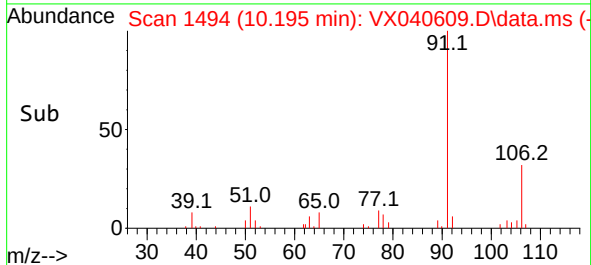
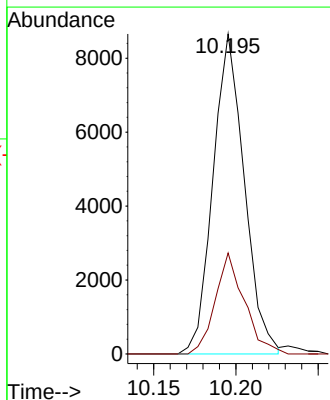
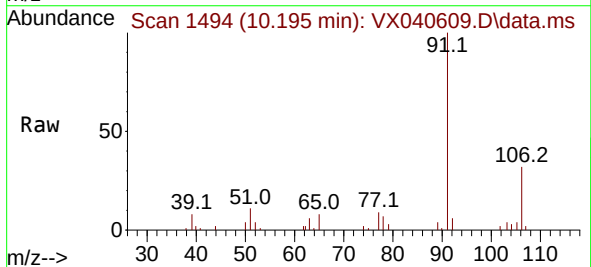
Manual Integrations
APPROVED

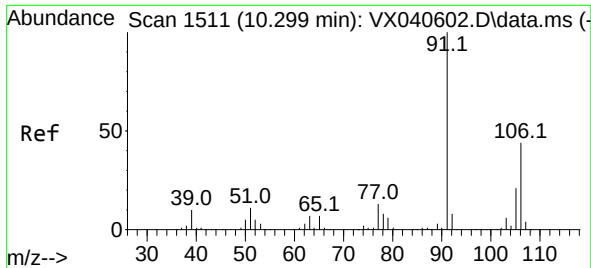
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#52
Ethylbenzene
Concen: 2.371 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 91 Resp: 11453
Ion Ratio Lower Upper
91 100
106 31.6 20.6 38.4





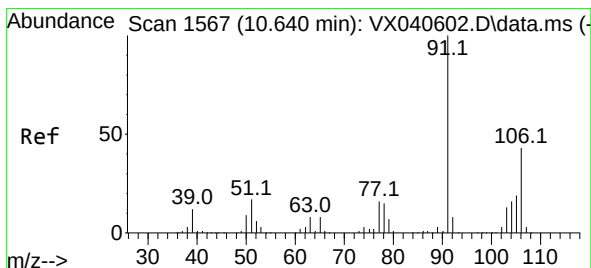
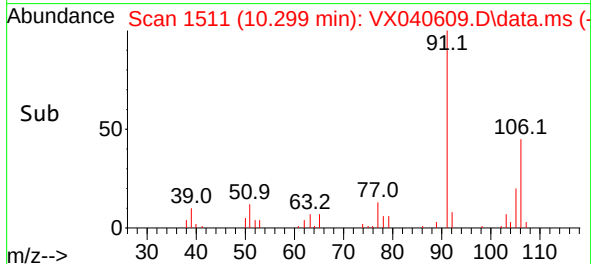
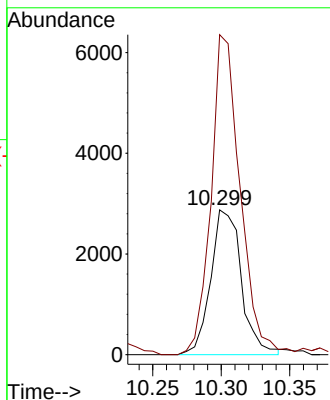
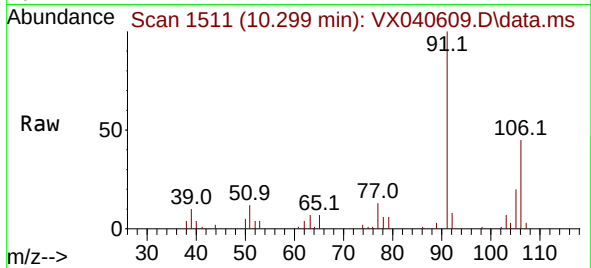
#53
m,p-Xylene
Concen: 2.544 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:106 Resp: 4468
Ion Ratio Lower Upper
106 100
91 220.9 160.4 298.0

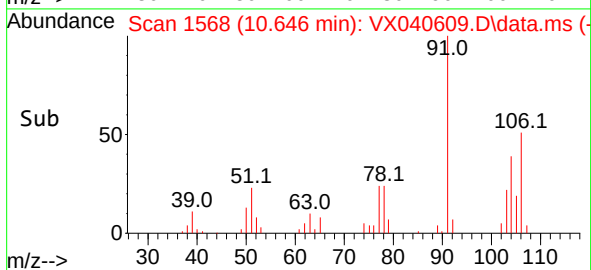
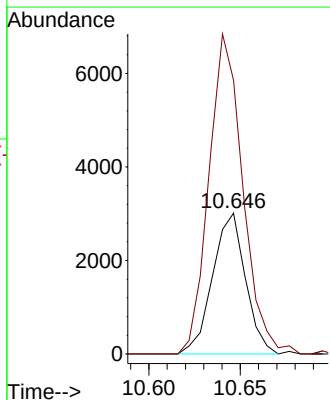
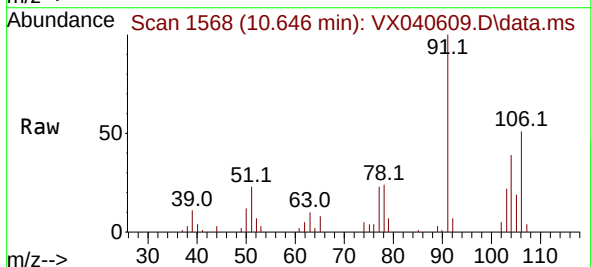
Manual Integrations
APPROVED

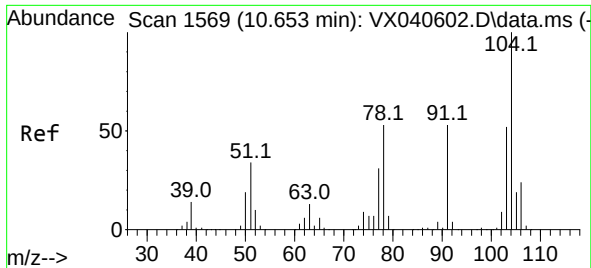
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#54
o-Xylene
Concen: 2.234 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion:106 Resp: 3766
Ion Ratio Lower Upper
106 100
91 194.3 161.7 300.3





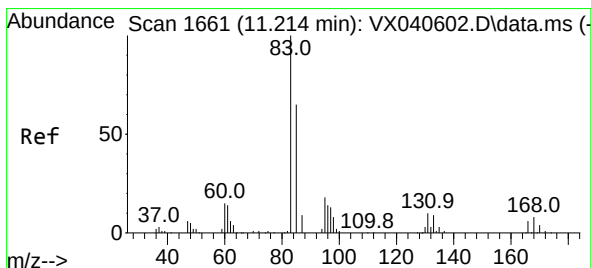
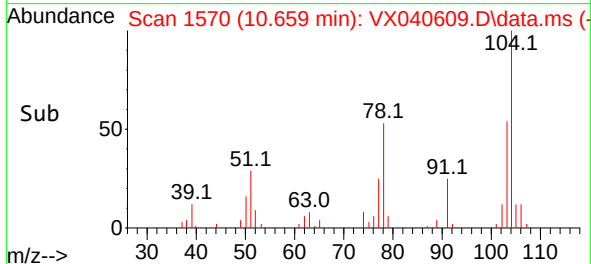
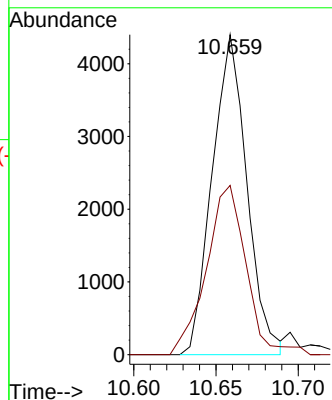
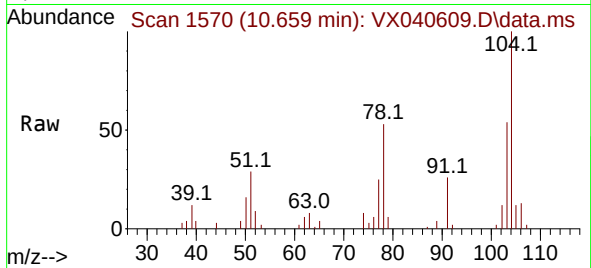
#55
Styrene
Concen: 2.194 ug/L
RT: 10.659 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:104 Resp: 6440
Ion Ratio Lower Upper
104 100
78 52.9 37.2 69.0

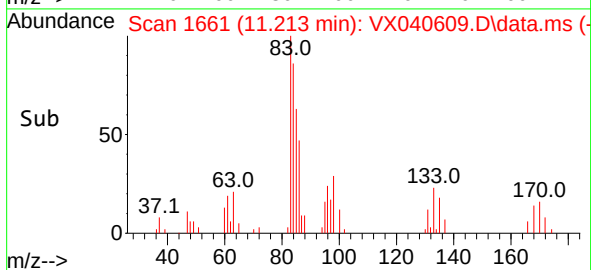
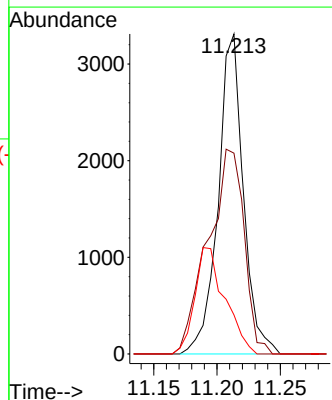
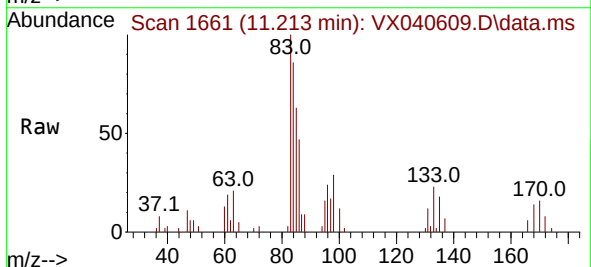
Manual Integrations
APPROVED

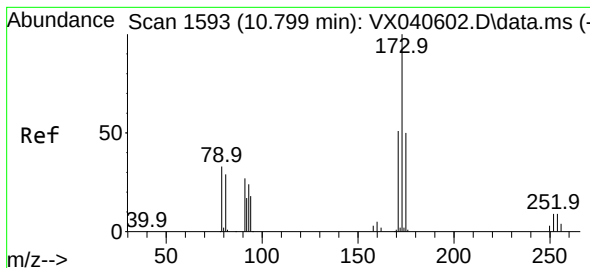
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 2.714 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion: 83 Resp: 4582
Ion Ratio Lower Upper
83 100
85 62.8 45.2 84.0
131 12.2 8.2 12.2





#59

Bromoform

Concen: 2.012 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01

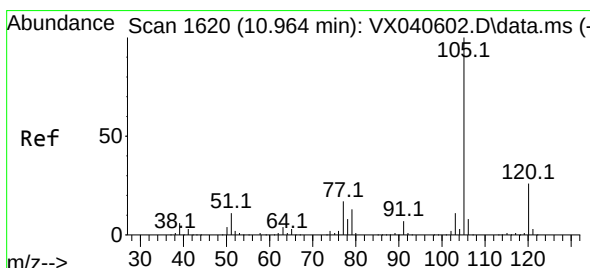
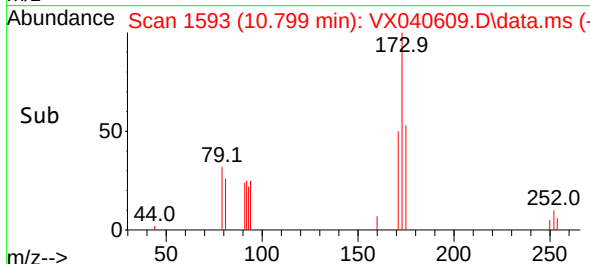
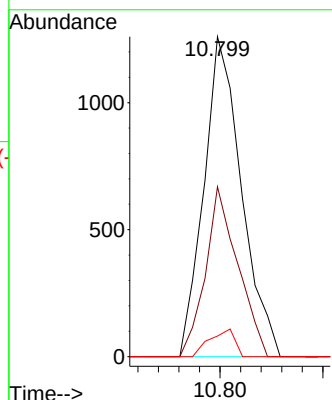
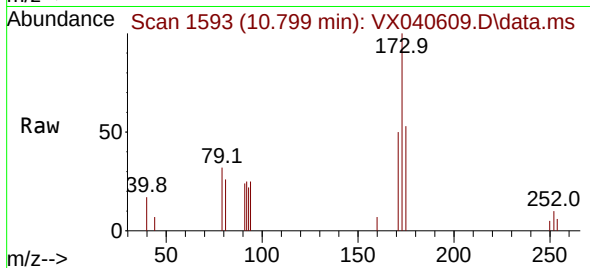
Tgt Ion:	173	Resp:	1600
Ion	Ratio	Lower	Upper
173	100		
175	45.6	39.4	59.0
254	5.7	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#60

Isopropylbenzene

Concen: 2.317 ug/L

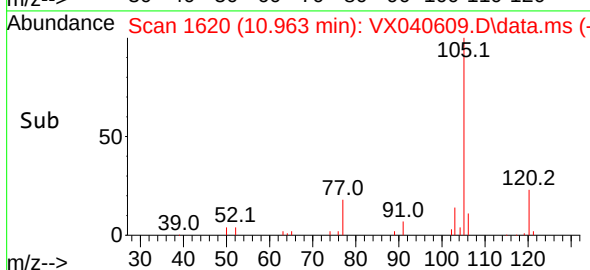
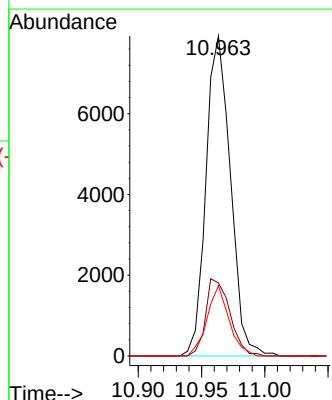
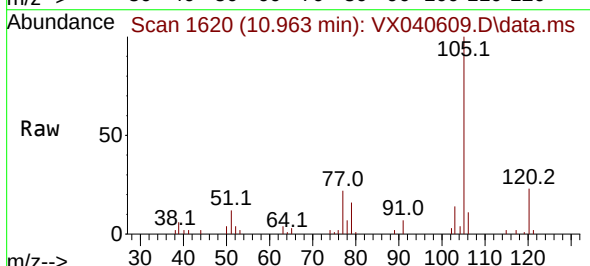
RT: 10.963 min Scan# 1620

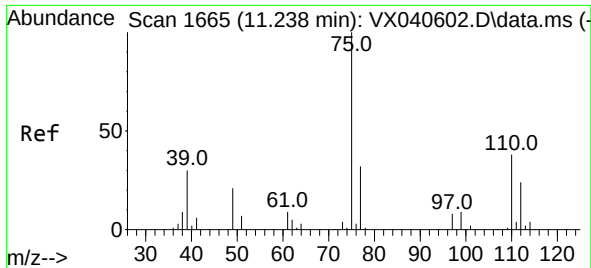
Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

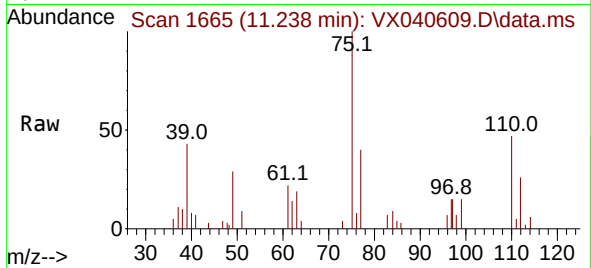
Tgt Ion:	105	Resp:	10669
Ion	Ratio	Lower	Upper
105	100		
120	23.8	20.1	30.1
77	19.8	13.9	20.9





#61
1,2,3-Trichloropropane
Concen: 2.363 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

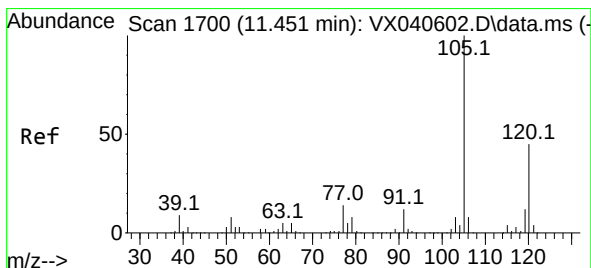
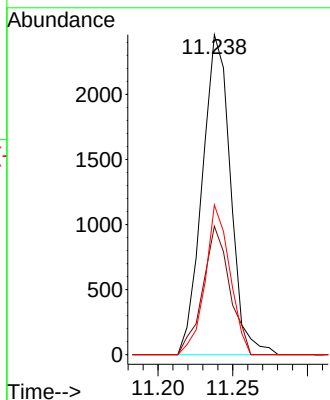
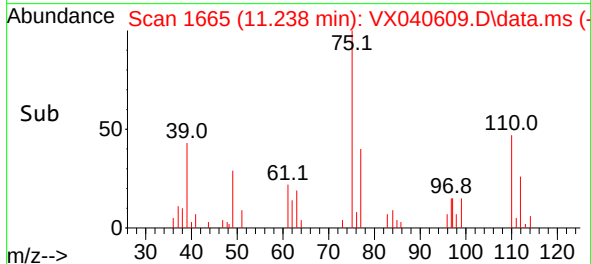
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



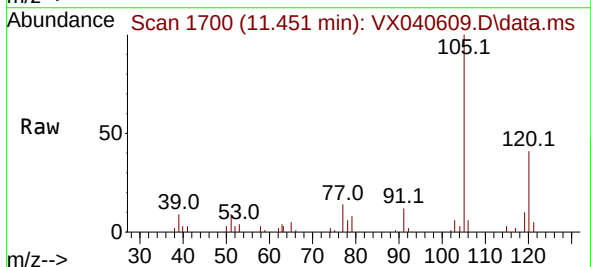
Tgt Ion: 75 Resp: 3229
Ion Ratio Lower Upper
75 100
77 38.2 25.7 38.5
110 40.9 31.0 46.4

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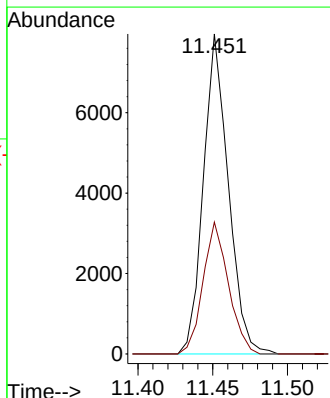
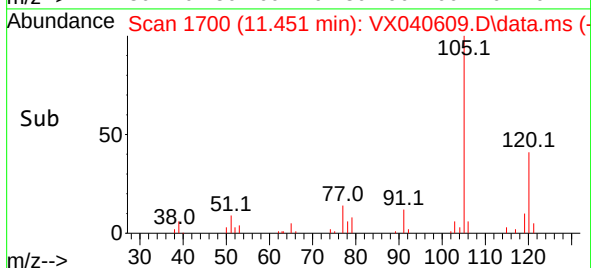
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

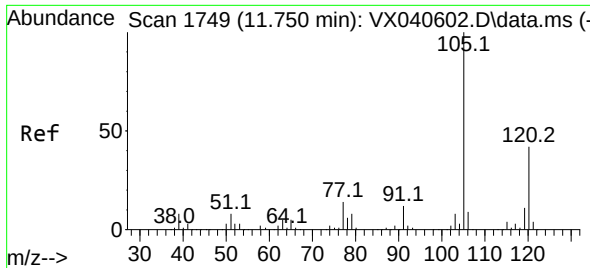


#62
1,3,5-Trimethylbenzene
Concen: 2.416 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21



Tgt Ion:105 Resp: 9221
Ion Ratio Lower Upper
105 100
120 42.0 36.2 54.2





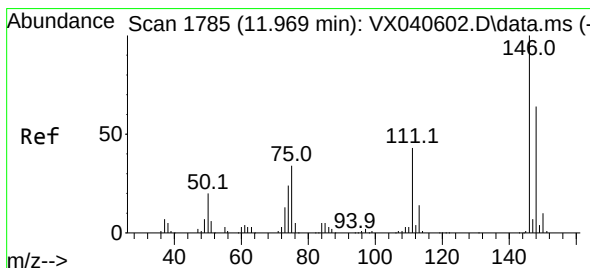
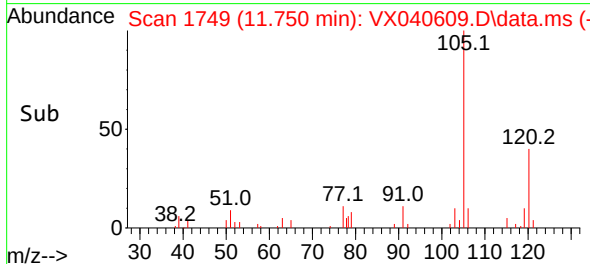
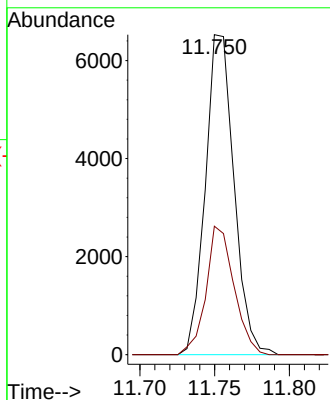
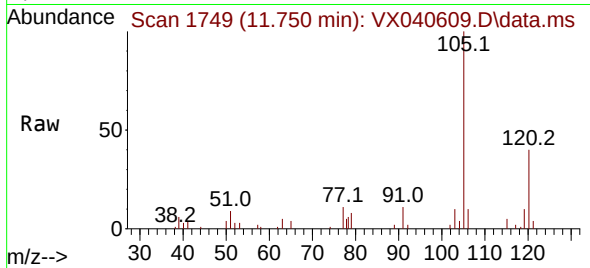
#63
1,2,4-Trimethylbenzene
Concen: 2.286 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:105 Resp: 872
Ion Ratio Lower Upper
105 100
120 39.1 33.9 50.9

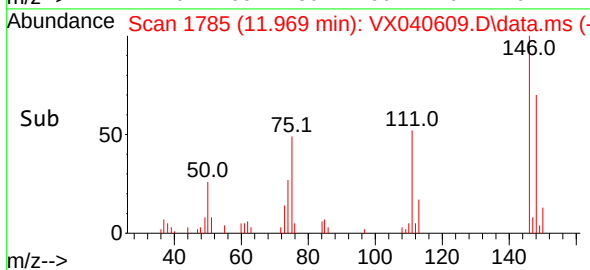
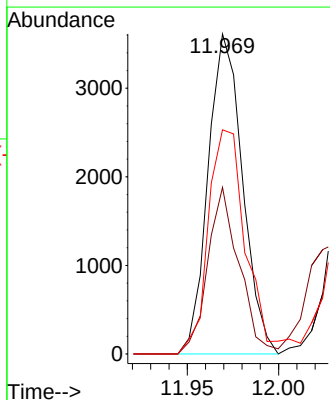
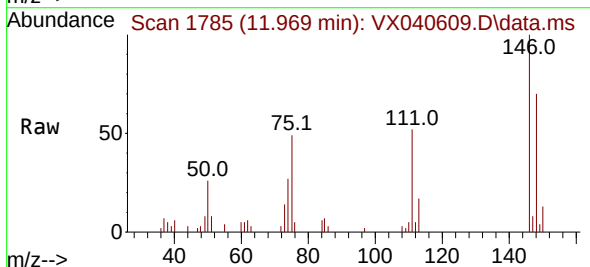
Manual Integrations
APPROVED

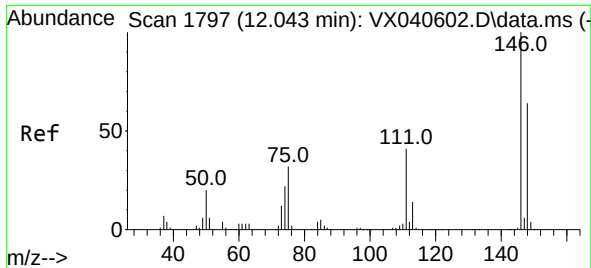
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#64
1,3-Dichlorobenzene
Concen: 2.353 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

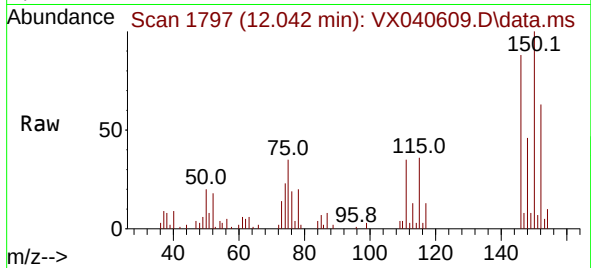
Tgt Ion:146 Resp: 4743
Ion Ratio Lower Upper
146 100
111 52.0 30.0 55.6
148 70.1 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 2.757 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

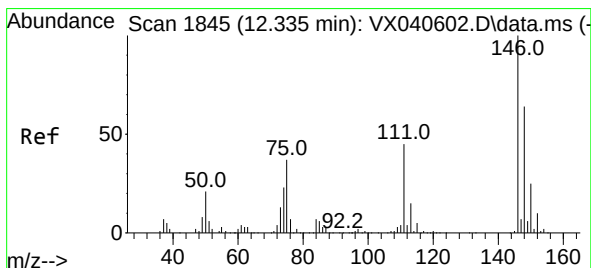
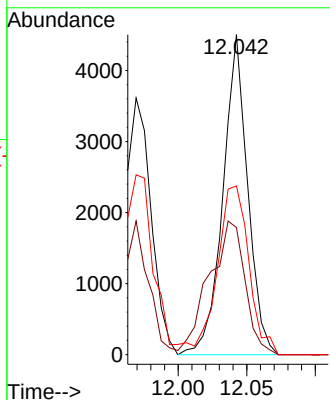
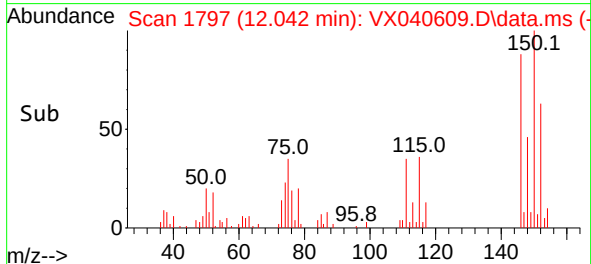
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion:146 Resp: 5652
Ion Ratio Lower Upper
146 100
111 39.8 28.8 53.4
148 52.8 45.1 83.7

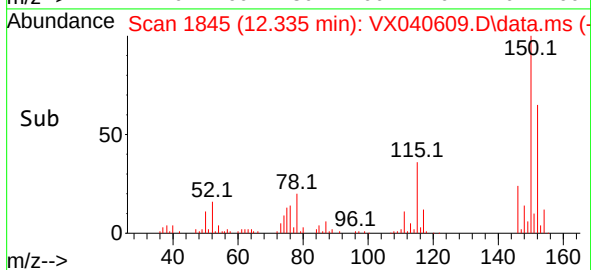
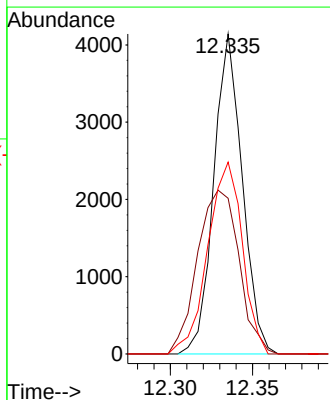
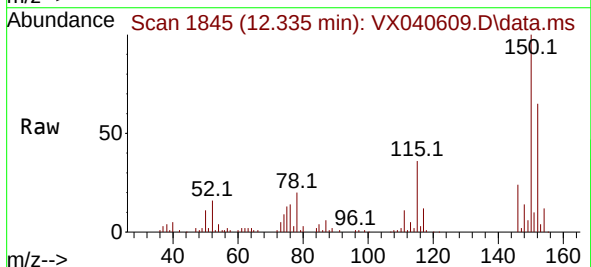
Manual Integrations
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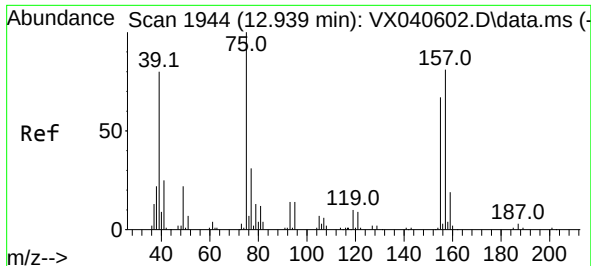
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#67
1,2-Dichlorobenzene
Concen: 2.602 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Tgt Ion:146 Resp: 4987
Ion Ratio Lower Upper
146 100
111 48.6 35.8 53.8
148 59.9 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.507 ug/L

RT: 12.945 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VX040609.D

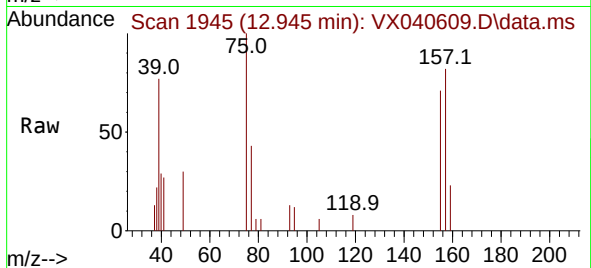
Acq: 06 Mar 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2024-01



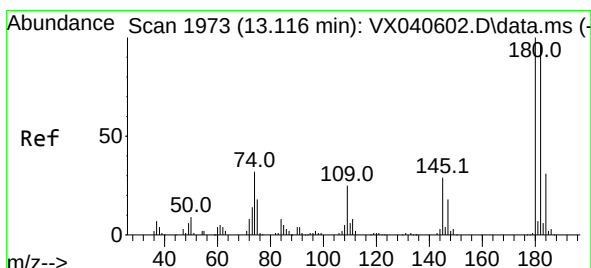
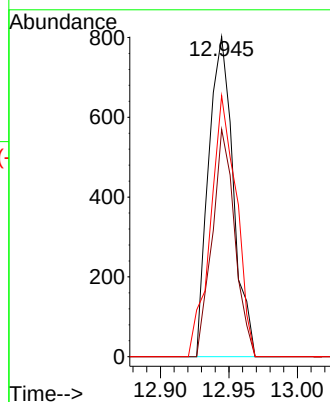
Tgt Ion: 75	Resp: 100
Ion Ratio	Lower Upper
75	100
155	71.1 53.9 80.9
157	81.5 64.5 96.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#69

1,3,5-Trichlorobenzene

Concen: 2.738 ug/L

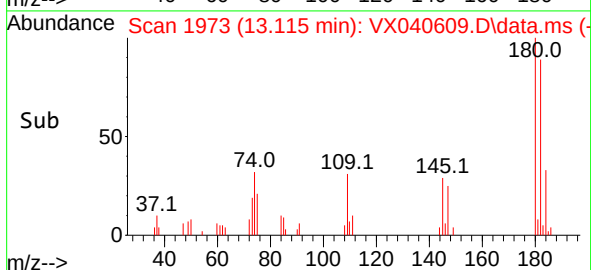
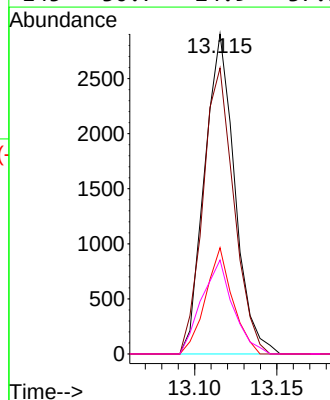
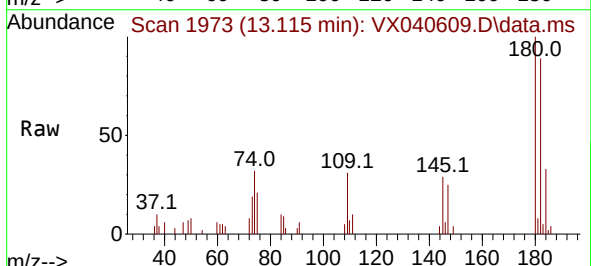
RT: 13.115 min Scan# 1973

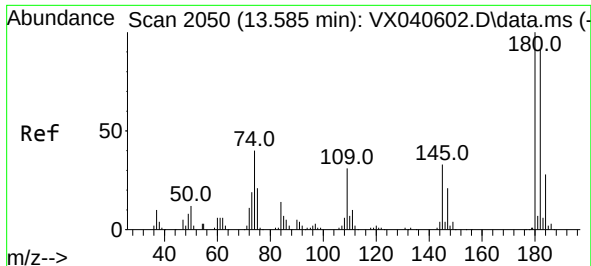
Delta R.T. -0.000 min

Lab File: VX040609.D

Acq: 06 Mar 2024 17:21

Tgt Ion: 180	Resp: 3704
Ion Ratio	Lower Upper
180	100
182	91.3 76.6 115.0
184	29.9 24.3 36.5
145	30.7 24.9 37.3





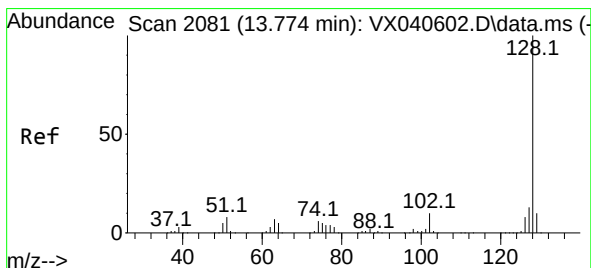
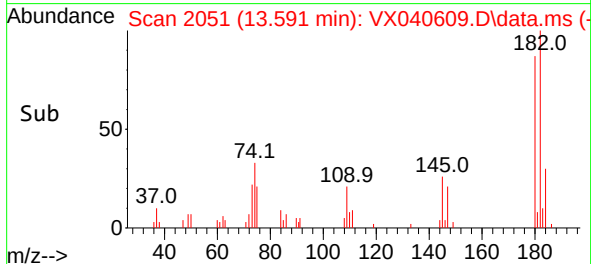
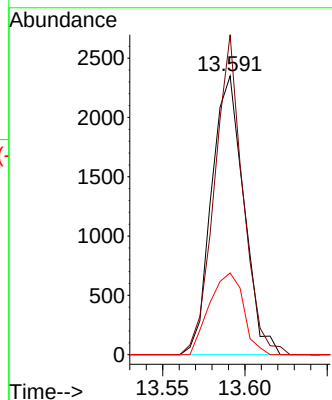
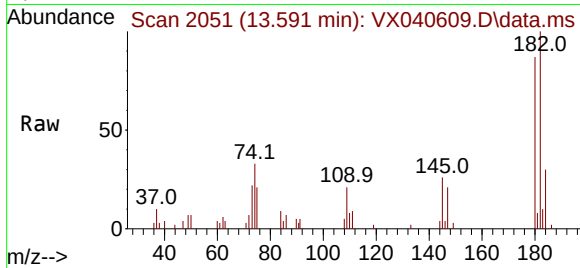
#70
1,2,4-trichlorobenzene
Concen: 2.558 ug/L
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:180 Resp: 3210
Ion Ratio Lower Upper
180 100
182 100.8 75.1 112.7
145 30.8 26.2 39.4

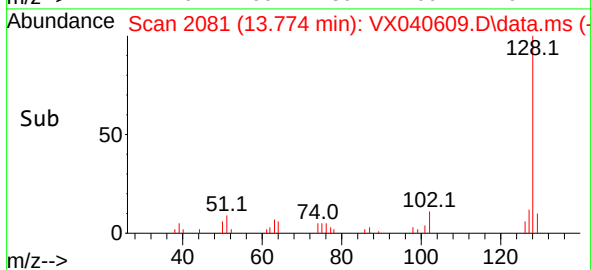
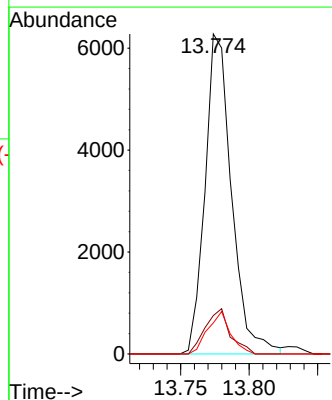
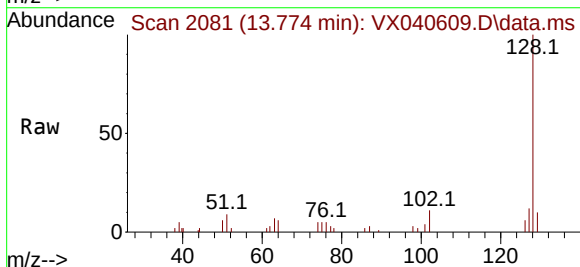
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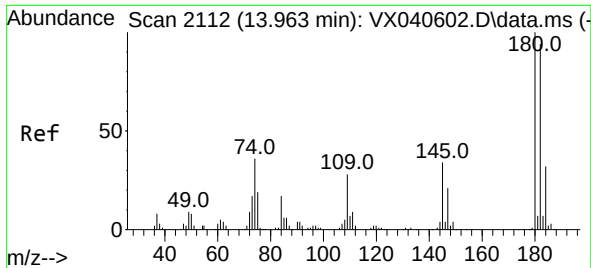
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#71
Naphthalene
Concen: 2.124 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

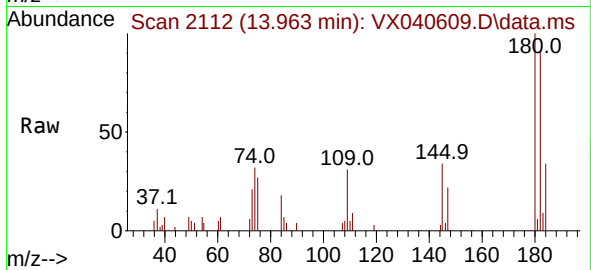
Tgt Ion:128 Resp: 8472
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.3 8.8 13.2





#72
1,2,3-Trichlorobenzene
Concen: 2.388 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX040609.D
Acq: 06 Mar 2024 17:21

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	76.9	115.3
145	34.2	27.8	41.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

