

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040040.D
 Acq On : 31 Jan 2024 12:04
 Operator : JC/MD
 Sample : P1187-09 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Feb 01 05:07:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:07:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	94625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76331	50.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.240%			
35) Dibromofluoromethane	5.385	113	56779	48.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.300%			
50) Toluene-d8	8.647	98	206381	47.282	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.560%			
62) 4-Bromofluorobenzene	11.079	95	72691	43.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.500%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	297	0.294	ug/l	97
4) Vinyl Chloride	1.374	62	273	0.292	ug/l #	86
5) Bromomethane	1.605	94	186	0.205	ug/l #	3
7) Trichlorofluoromethane	1.898	101	382	0.257	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	262m	0.236	ug/l	
11) Tert butyl alcohol	2.941	59	551	1.994	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	225	0.211	ug/l #	57
13) Acrolein	2.233	56	394	1.488	ug/l #	80
14) Allyl chloride	2.666	41	397	0.207	ug/l #	72
15) Acrylonitrile	3.075	53	700	1.011	ug/l #	82
16) Acetone	2.374	43	984	1.379	ug/l	98
17) Carbon Disulfide	2.508	76	1138	0.366	ug/l #	95
20) Methylene Chloride	2.788	84	409	0.323	ug/l #	81
22) Diisopropyl ether	3.757	45	750	0.202	ug/l #	67
23) Vinyl Acetate	3.733	43	2514	0.756	ug/l #	73
24) 1,1-Dichloroethane	3.629	63	490m	0.230	ug/l	
25) 2-Butanone	4.605	43	874m	0.881	ug/l	
29) Tetrahydrofuran	5.032	42	694m	1.100	ug/l	
31) Cyclohexane	5.477	56	429m	0.225	ug/l	
36) 1,1-Dichloropropene	5.690	75	421m	0.249	ug/l	
42) 1,2-Dichloroethane	6.092	62	447m	0.236	ug/l	
44) Trichloroethene	7.129	130	281	0.217	ug/l	46
49) 1,4-Dioxane	7.696	88	21	0.675	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	1614	0.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.263	63	645	0.692	ug/l #	85
59) 2-Hexanone	9.439	43	1175	0.743	ug/l	87
64) Tetrachloroethene	9.275	164	286	0.280	ug/l #	66
65) Chlorobenzene	10.079	112	829	0.256	ug/l #	78
66) 1,1,1,2-Tetrachloroethane	10.159	131	266	0.243	ug/l #	43
67) Ethyl Benzene	10.195	91	1211	0.208	ug/l	91
68) m/p-Xylenes	10.305	106	871	0.398	ug/l	95
71) Bromoform	10.799	173	176	0.210	ug/l #	29
76) 1,2,3-Trichloropropane	11.244	75	391m	0.257	ug/l	
77) Bromobenzene	11.201	156	343	0.290	ug/l	80
78) n-propylbenzene	11.311	91	1363	0.216	ug/l	89
79) 2-Chlorotoluene	11.366	91	961	0.253	ug/l	81

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

82) 4-Chlorotoluene	11.463	91	1059	0.243	ug/l	97
85) sec-Butylbenzene	11.890	105	1203	0.215	ug/l	86
86) p-Isopropyltoluene	12.006	119	973	0.213	ug/l #	73
87) 1,3-Dichlorobenzene	11.969	146	715	0.300	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	780m	0.319	ug/l	
89) n-Butylbenzene	12.335	91	989	0.223	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	531	0.231	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	555	0.386	ug/l	85
94) Hexachlorobutadiene	13.719	225	118	0.208	ug/l	84
95) Naphthalene	13.774	128	1398	0.286	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	407	0.286	ug/l	92

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

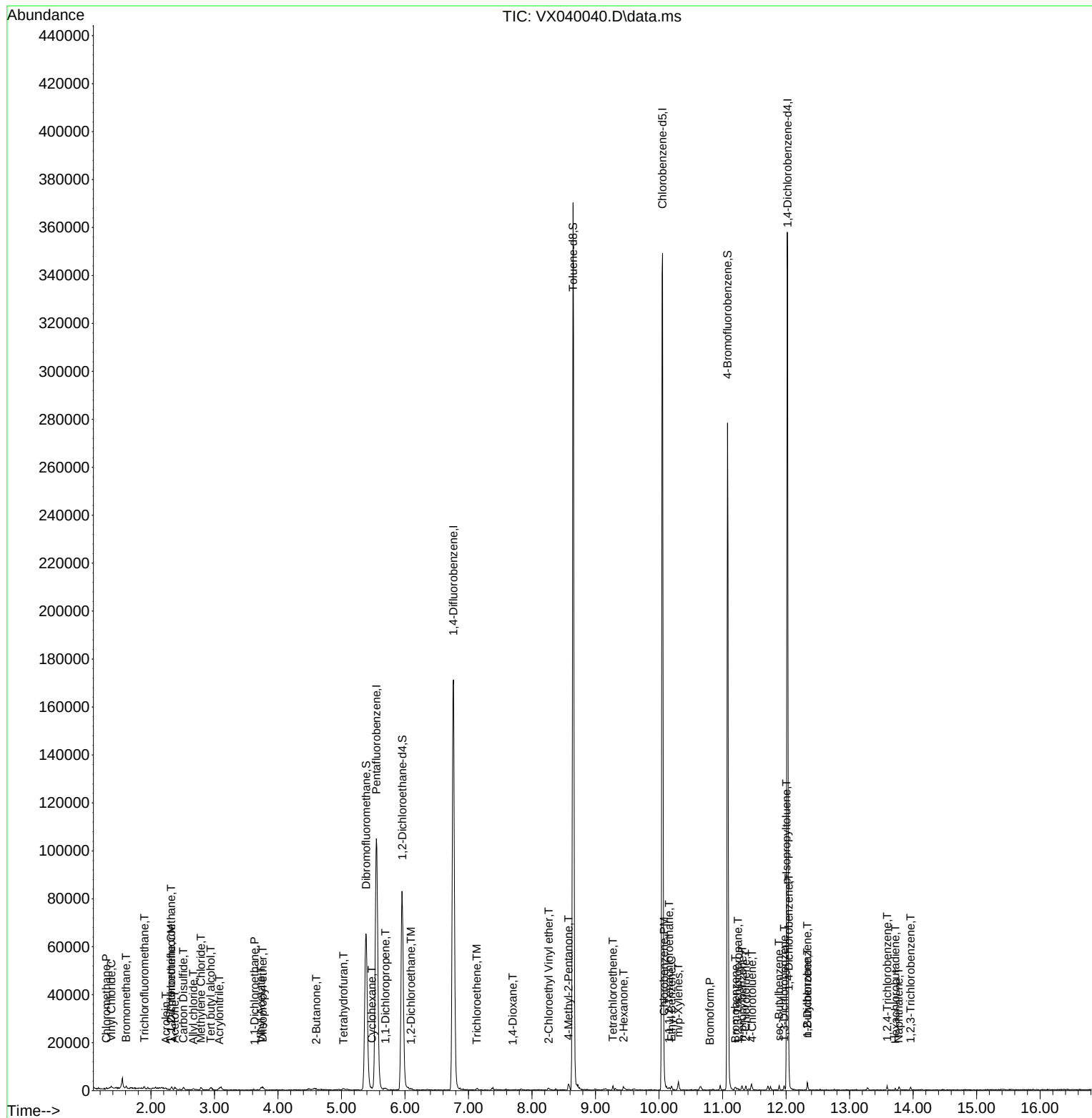
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
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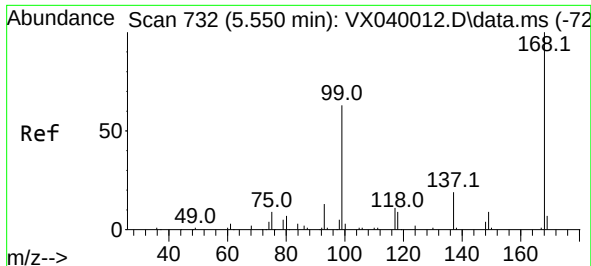
Instrument :
MSVOA_X
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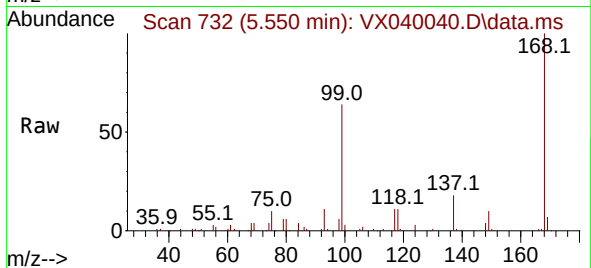
Reviewed By : John Carlone 02/01/2024
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
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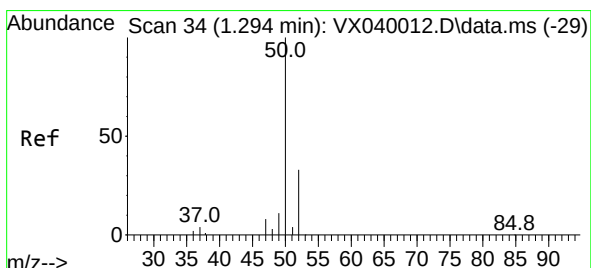
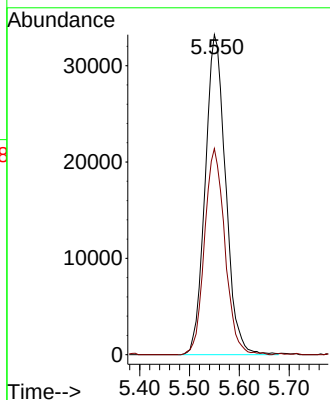
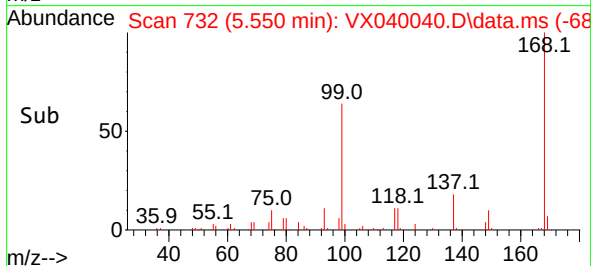
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:168 Resp: 94625
Ion Ratio Lower Upper
168 100
99 64.4 56.6 85.0

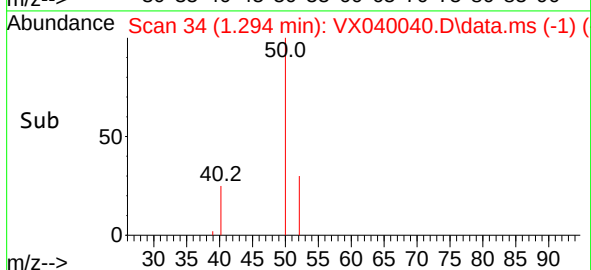
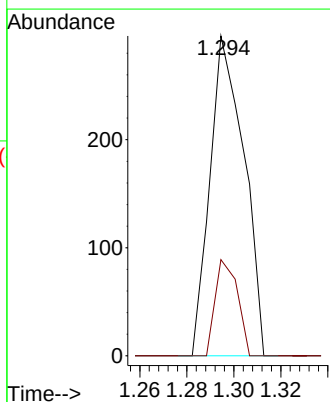
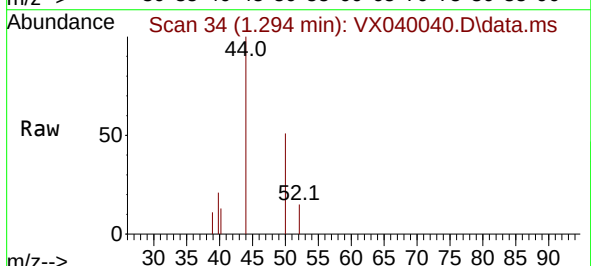
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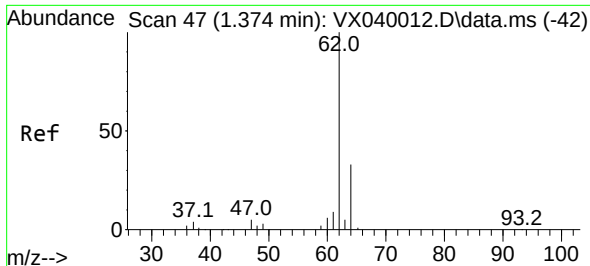
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

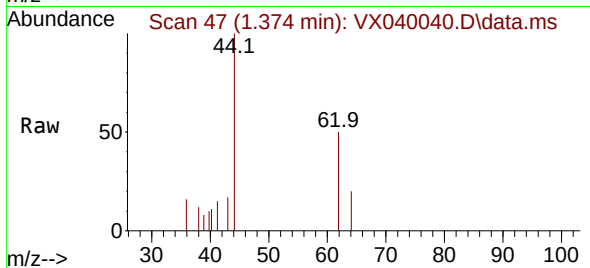
Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 30.1 25.5 38.3





#4
 Vinyl Chloride
 Concen: 0.292 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX040040.D
 Acq: 31 Jan 2024 12:04

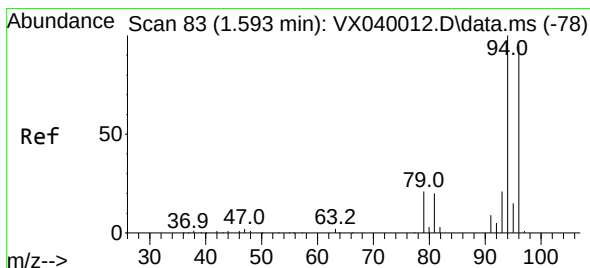
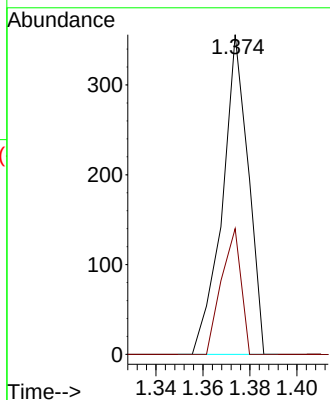
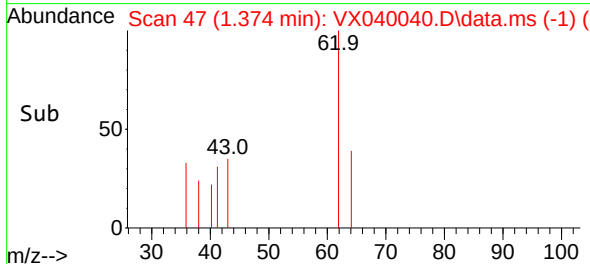
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2024



Tgt Ion: 62 Resp: 273
 Ion Ratio Lower Upper
 62 100
 64 39.3 25.4 38.0

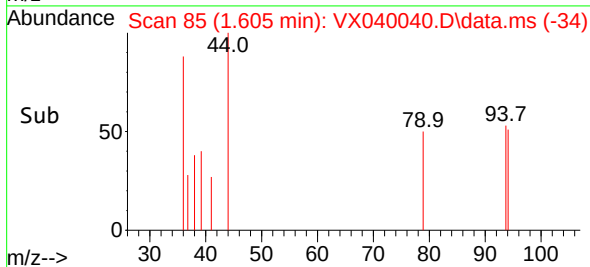
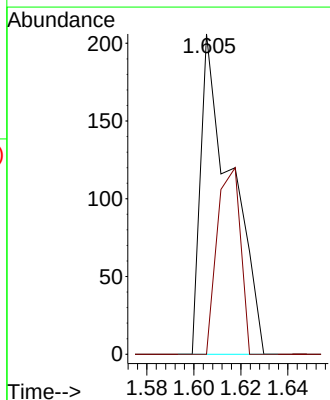
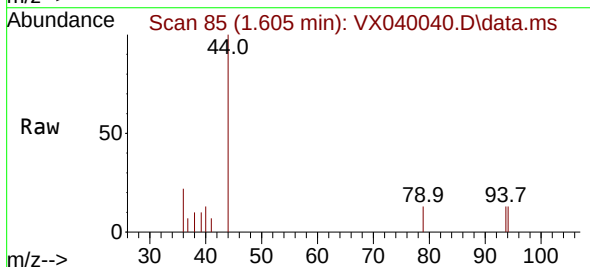
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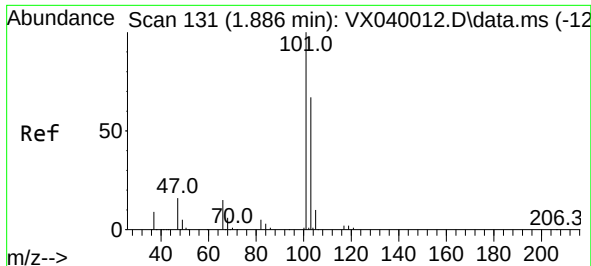
Reviewed By :John Carlone 02/01/2024
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#5
 Bromomethane
 Concen: 0.205 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.012 min
 Lab File: VX040040.D
 Acq: 31 Jan 2024 12:04

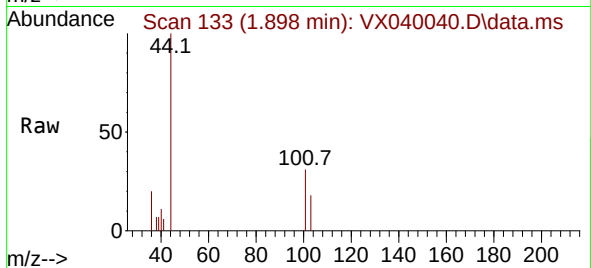
Tgt Ion: 94 Resp: 186
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.6 111.8





#7
Trichlorofluoromethane
Concen: 0.257 ug/l
RT: 1.898 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

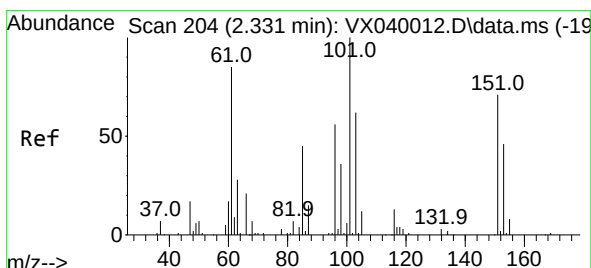
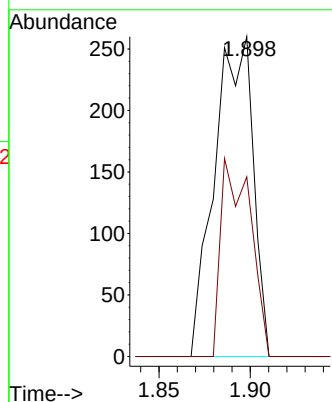
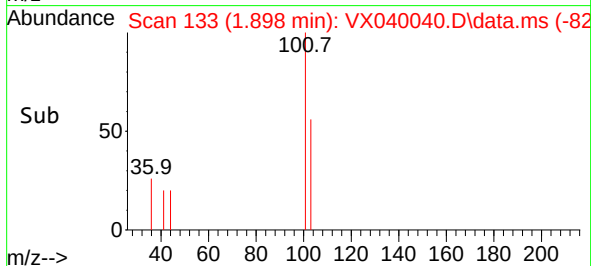
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:101 Resp: 38
Ion Ratio Lower Upper
101 100
103 56.2 51.4 77.2

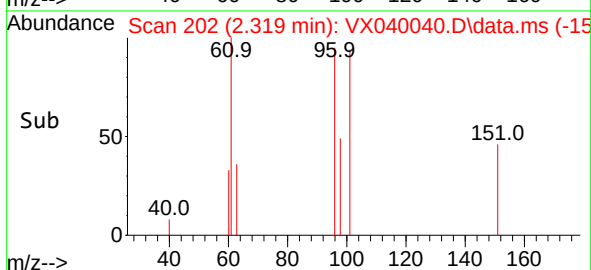
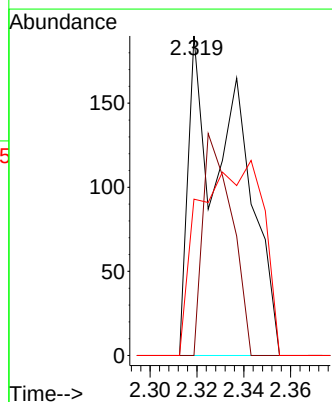
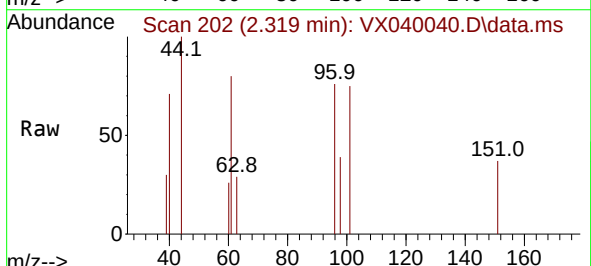
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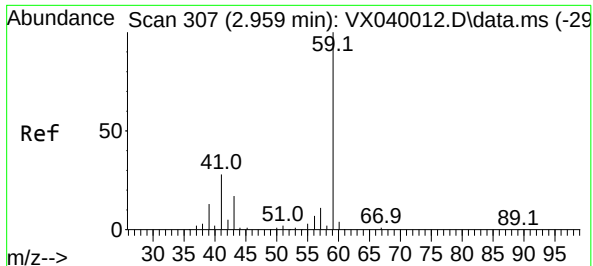
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.236 ug/l m
RT: 2.319 min Scan# 202
Delta R.T. -0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

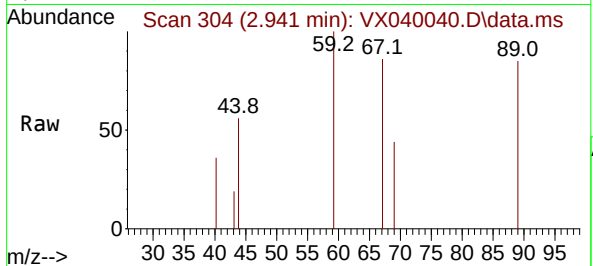
Tgt Ion:101 Resp: 262
Ion Ratio Lower Upper
101 100
85 43.1 37.0 55.6
151 0.0 58.6 87.8#





#11
Tert butyl alcohol
Concen: 1.994 ug/l
RT: 2.941 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

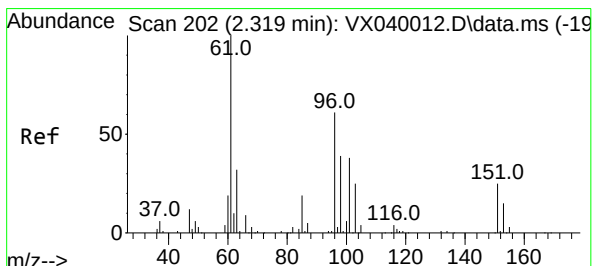
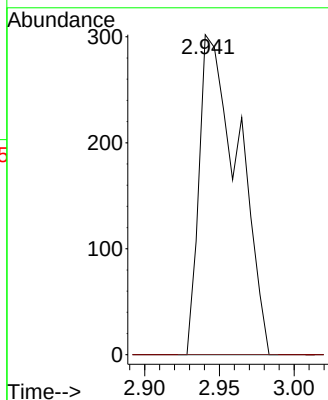
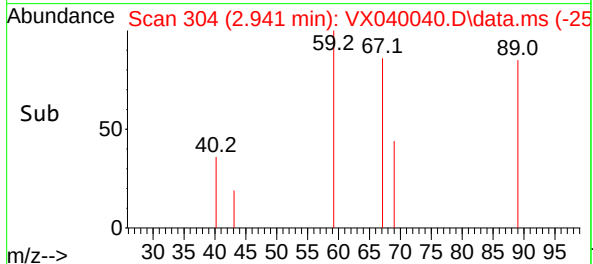
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0

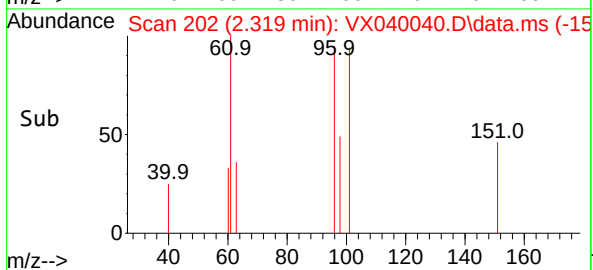
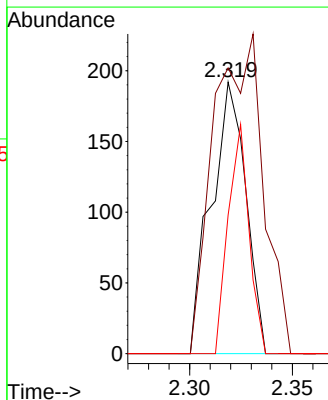
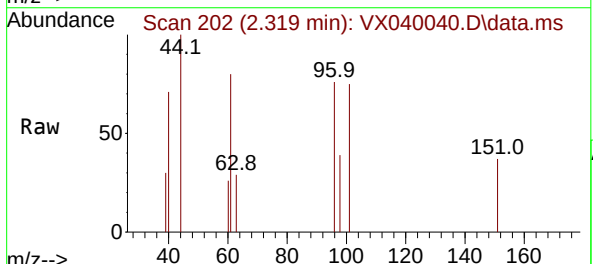
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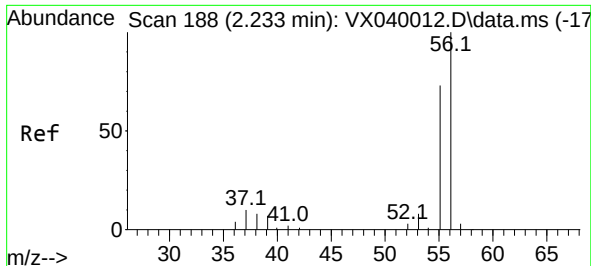
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#12
1,1-Dichloroethene
Concen: 0.211 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

Tgt Ion: 96 Resp: 225
Ion Ratio Lower Upper
96 100
61 105.2 144.6 216.8#
98 51.0 50.4 75.6





#13

Acrolein

Concen: 1.488 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040040.D

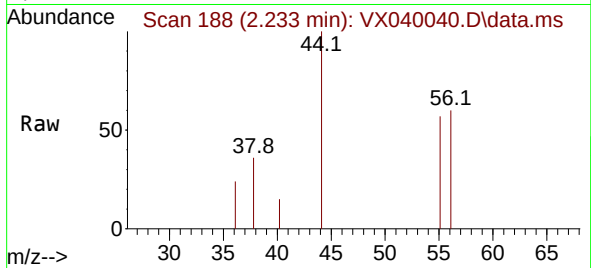
Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024



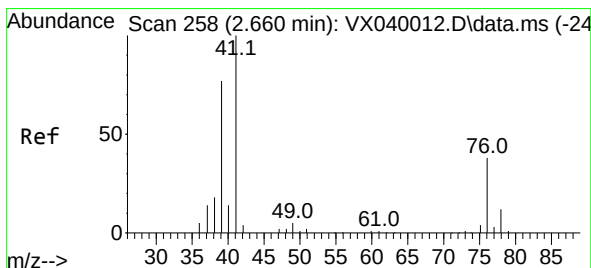
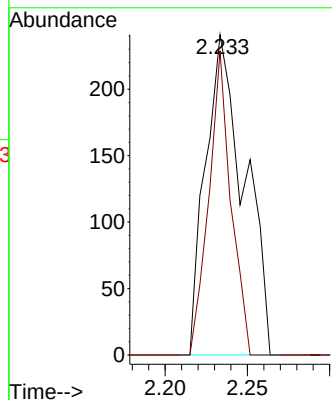
Tgt Ion: 56	Resp: 394
Ion Ratio	Lower Upper
56	100
55	54.6 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 0.207 ug/l

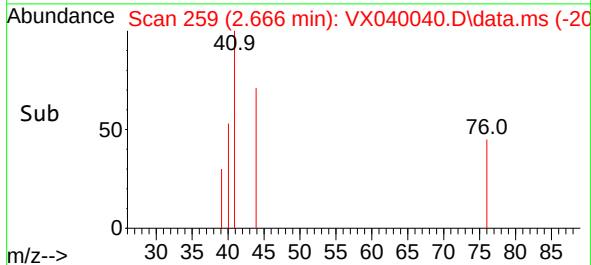
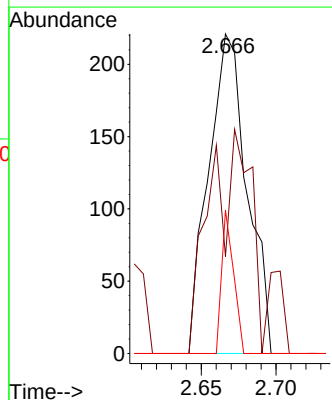
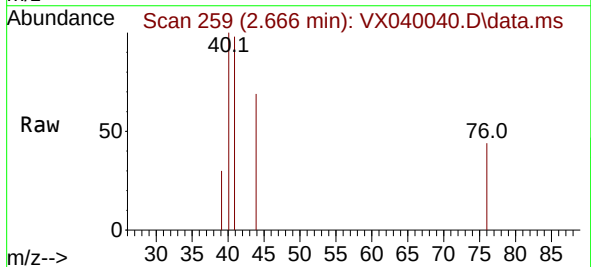
RT: 2.666 min Scan# 259

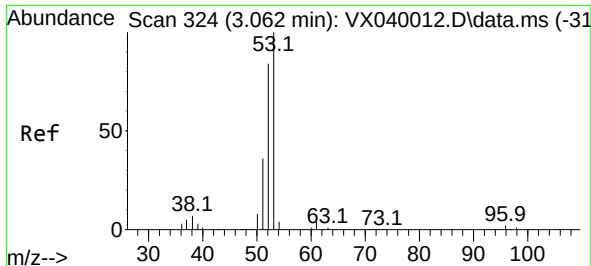
Delta R.T. 0.006 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion: 41	Resp: 397
Ion Ratio	Lower Upper
41	100
39	48.1 55.8 83.6
76	13.9 24.3 36.5





#15

Acrylonitrile

Concen: 1.011 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

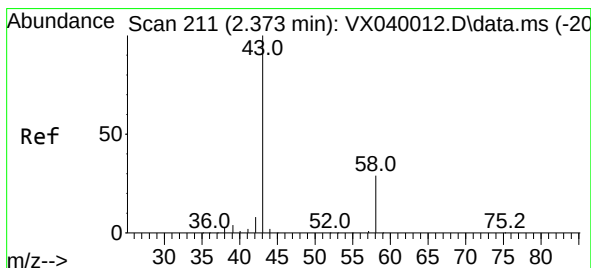
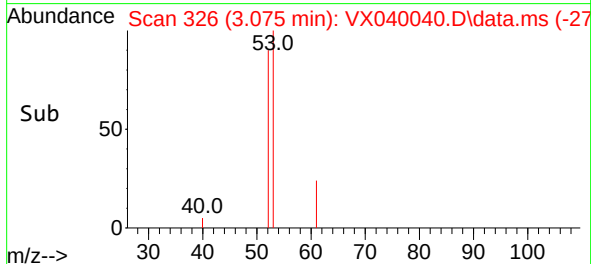
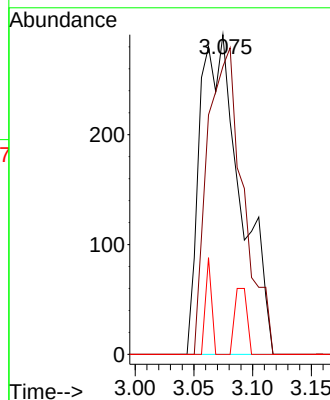
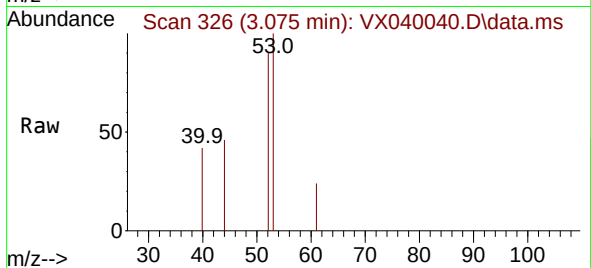
Tgt Ion: 53	Resp:	700
Ion Ratio	Lower	Upper
53	100	
52	84.6	66.0 99.0
51	6.3	29.8 44.6

Manual Integrations

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#16

Acetone

Concen: 1.379 ug/l

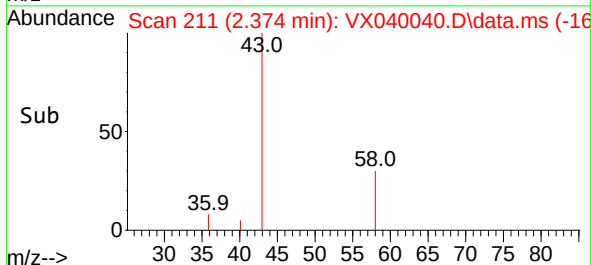
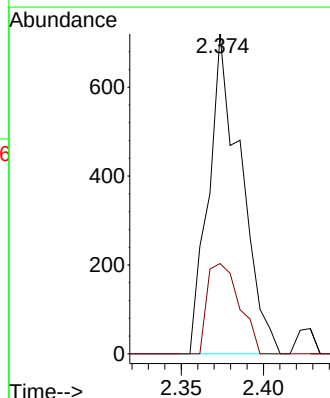
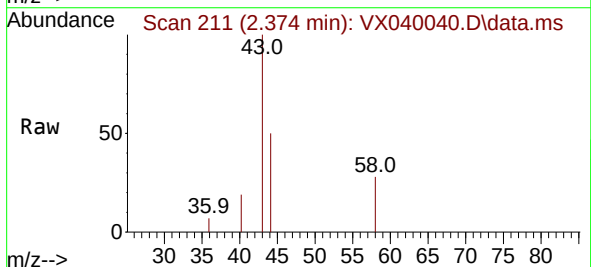
RT: 2.374 min Scan# 211

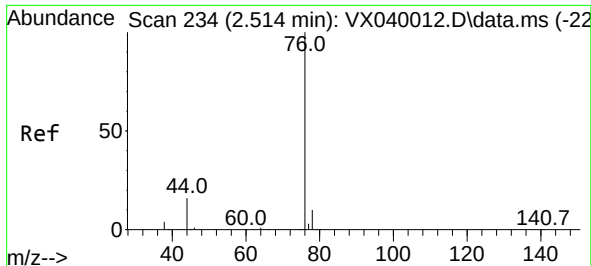
Delta R.T. 0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion: 43	Resp:	984
Ion Ratio	Lower	Upper
43	100	
58	28.2	21.9 32.9





#17

Carbon Disulfide

Concen: 0.366 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040040.D

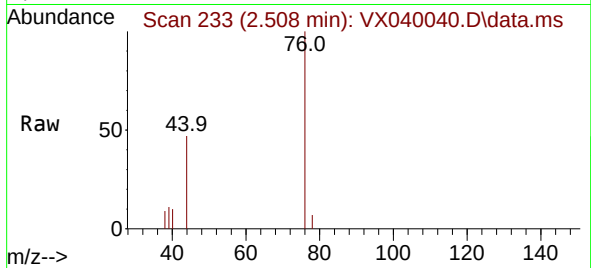
Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion: 76 Resp: 1138

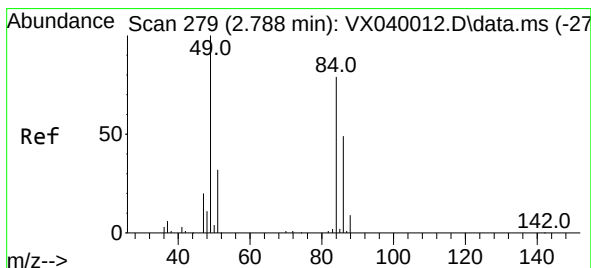
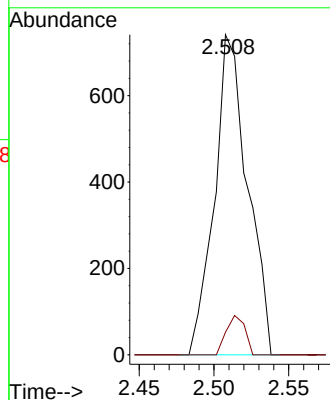
Ion	Ratio	Lower	Upper
76	100		
78	7.0	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#20

Methylene Chloride

Concen: 0.323 ug/l

RT: 2.788 min Scan# 279

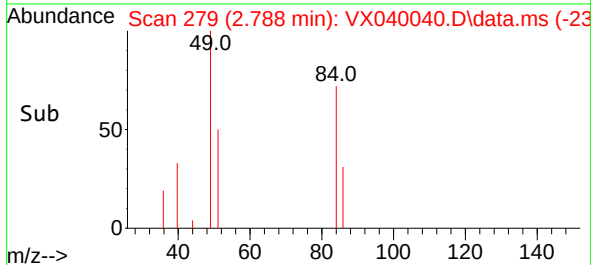
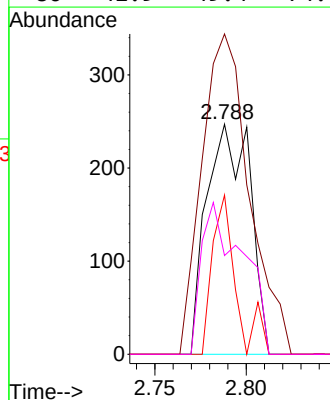
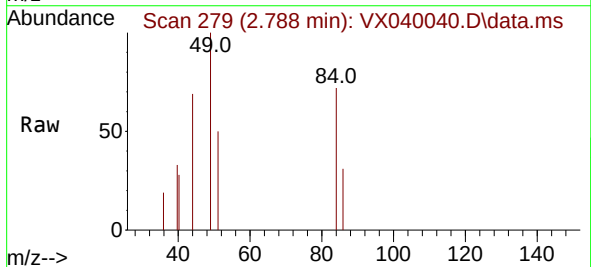
Delta R.T. 0.000 min

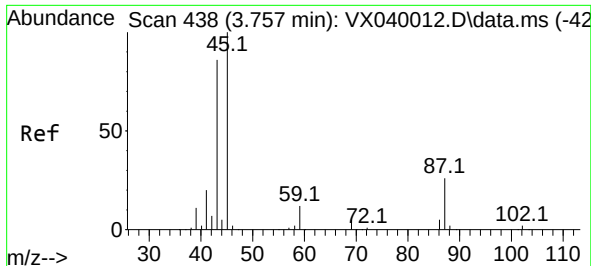
Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion: 84 Resp: 409

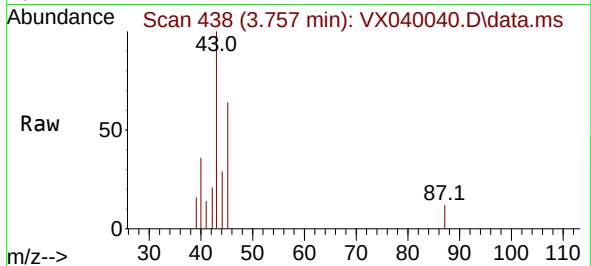
Ion	Ratio	Lower	Upper
84	100		
49	139.3	103.6	155.4
51	69.2	33.8	50.6
86	42.9	49.4	74.0





#22
Diisopropyl ether
Concen: 0.202 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

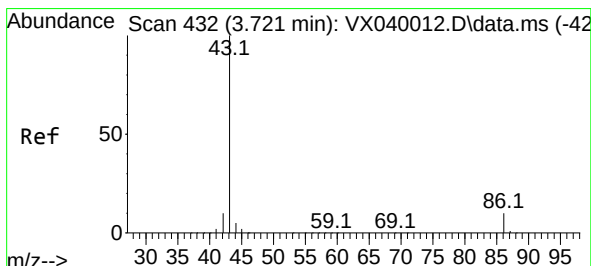
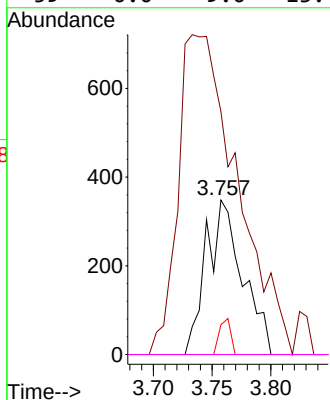
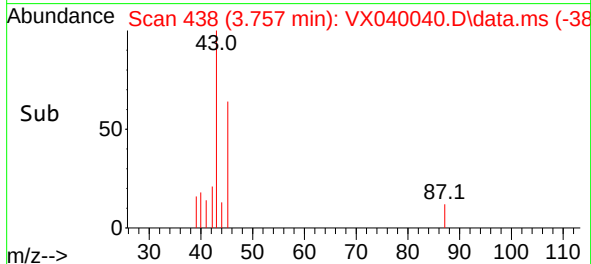
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



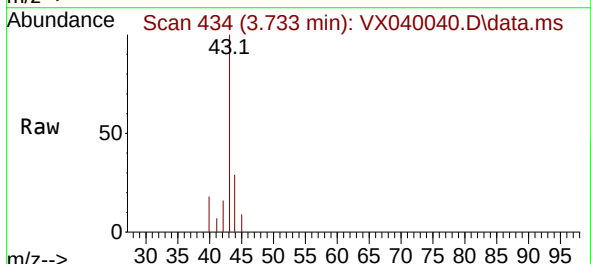
Tgt Ion: 45 Resp: 750
Ion Ratio Lower Upper
45 100
43 124.1 69.7 104.5
87 19.3 20.8 31.2
59 0.0 9.0 13.4

Manual Integrations
APPROVED

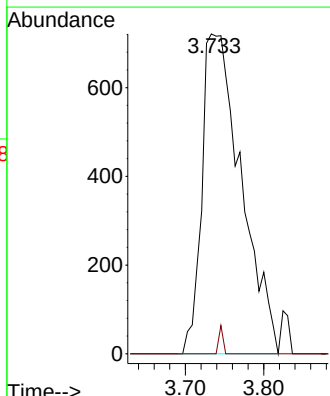
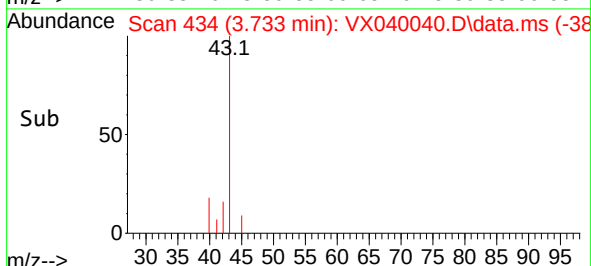
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

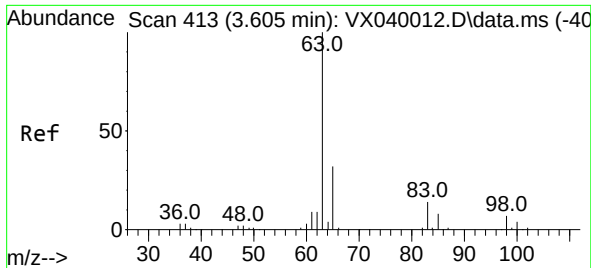


#23
Vinyl Acetate
Concen: 0.756 ug/l
RT: 3.733 min Scan# 434
Delta R.T. 0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



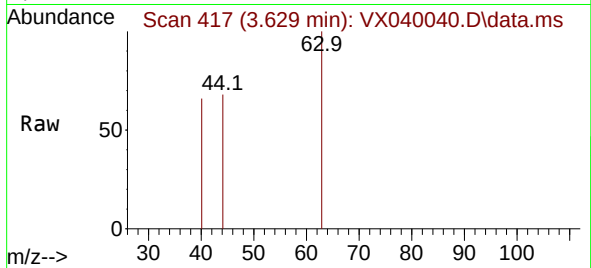
Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8





#24
1,1-Dichloroethane
Concen: 0.230 ug/l m
RT: 3.629 min Scan# 413
Delta R.T. 0.024 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

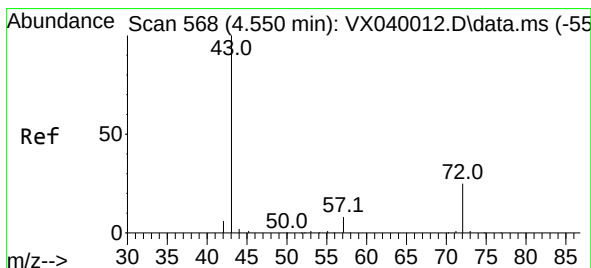
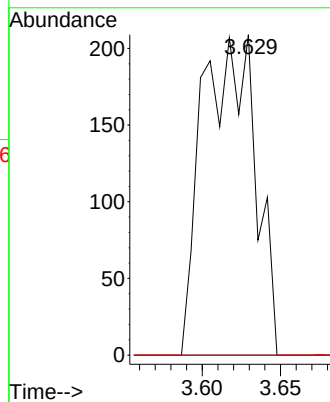
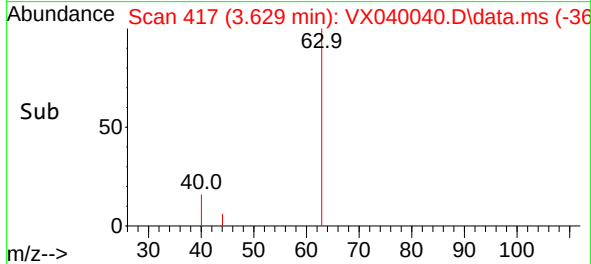
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 63 Resp: 490
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8
100 0.0 2.1 6.5

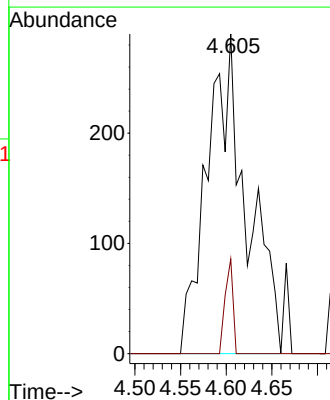
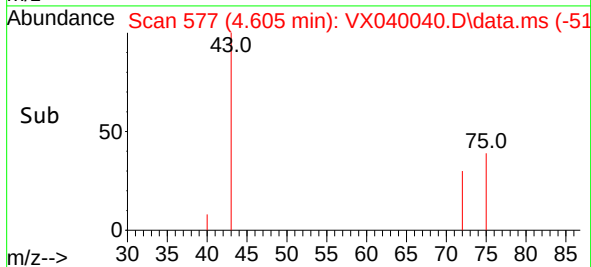
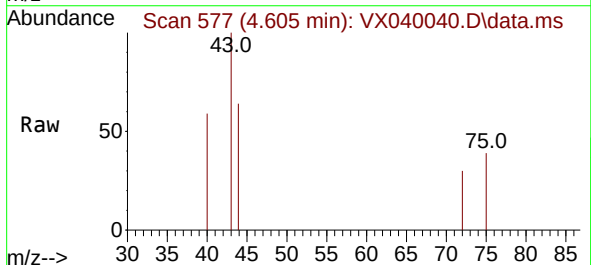
Manual Integrations
APPROVED

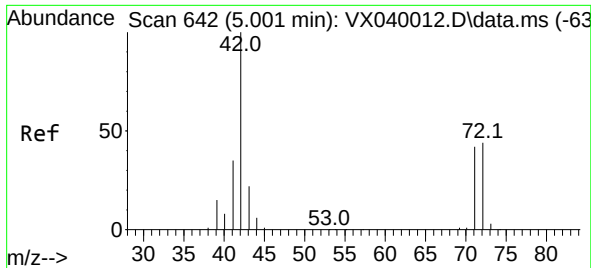
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#25
2-Butanone
Concen: 0.881 ug/l m
RT: 4.605 min Scan# 577
Delta R.T. 0.055 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

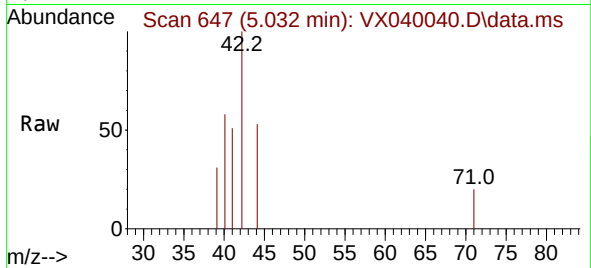
Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
72 29.7 19.4 29.2#





#29
Tetrahydrofuran
Concen: 1.100 ug/l m
RT: 5.032 min Scan# 642
Delta R.T. 0.031 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

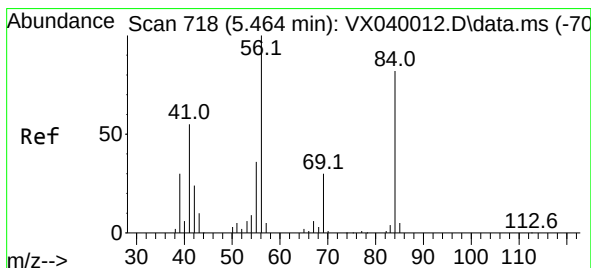
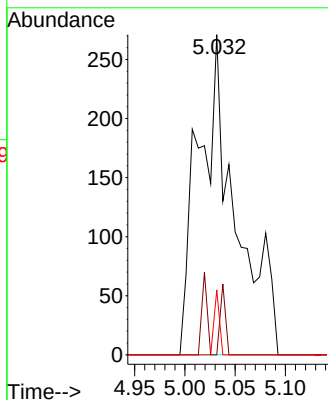
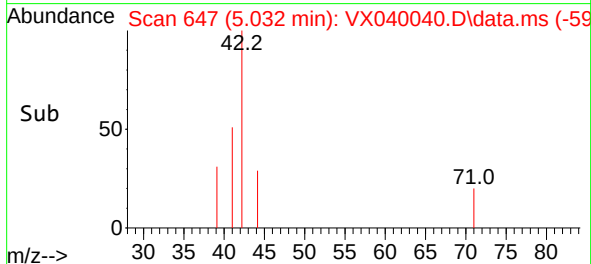
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT1-2024



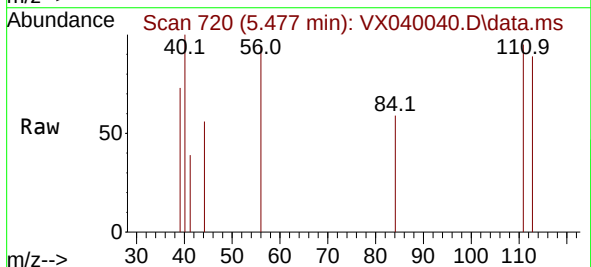
Tgt Ion: 42 Resp: 694
Ion Ratio Lower Upper
42 100
72 3.2 34.2 51.4#
71 2.9 32.2 48.2#

Manual Integrations
APPROVED

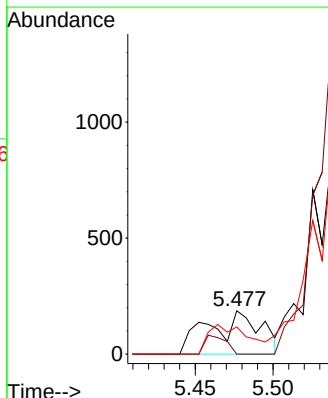
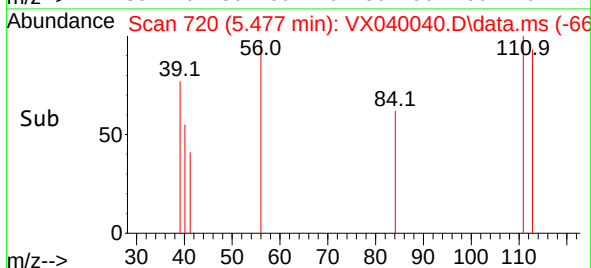
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

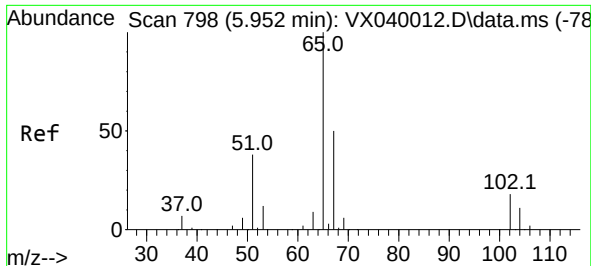


#31
Cyclohexane
Concen: 0.225 ug/l m
RT: 5.477 min Scan# 720
Delta R.T. 0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 62.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.123 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 65 Resp: 7633

Ion Ratio Lower Upper

65 100

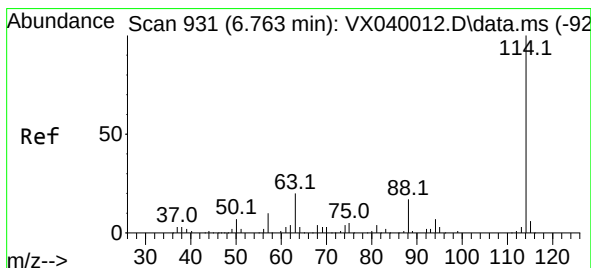
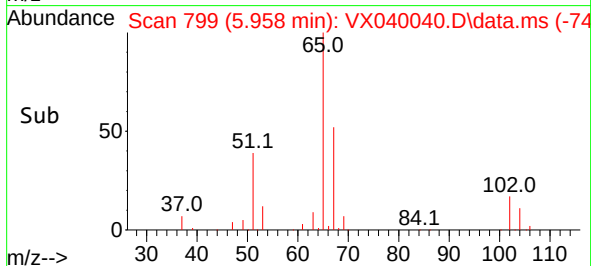
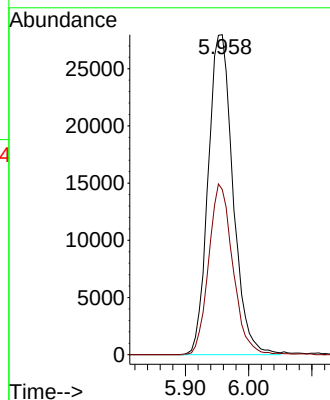
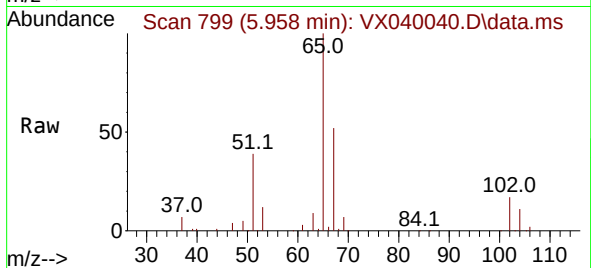
67 51.9 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

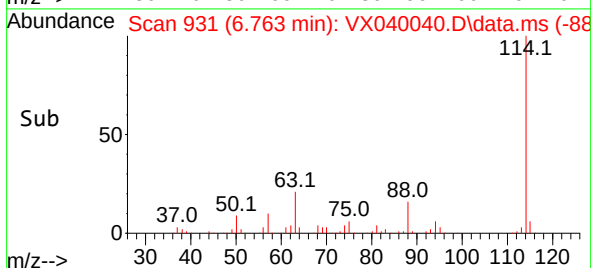
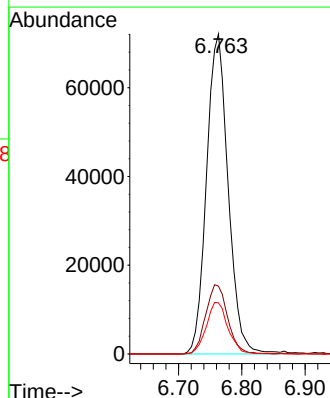
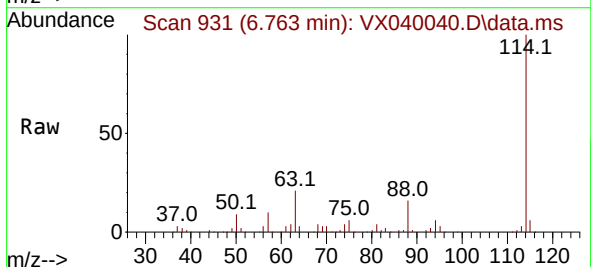
Tgt Ion:114 Resp: 171456

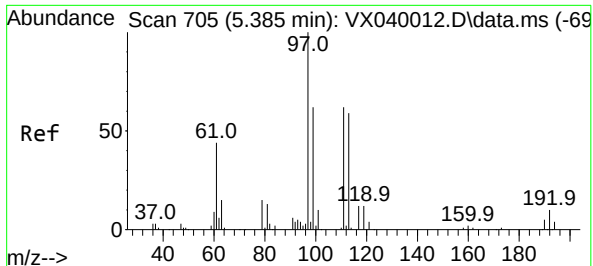
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

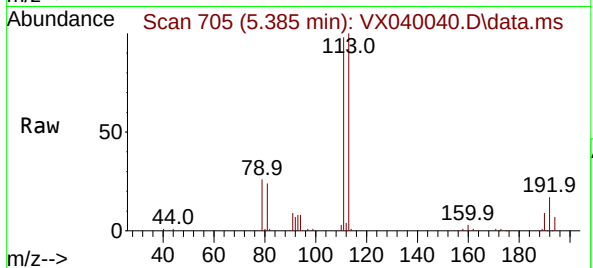
88 16.0 0.0 36.6





#35
Dibromofluoromethane
Concen: 48.647 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

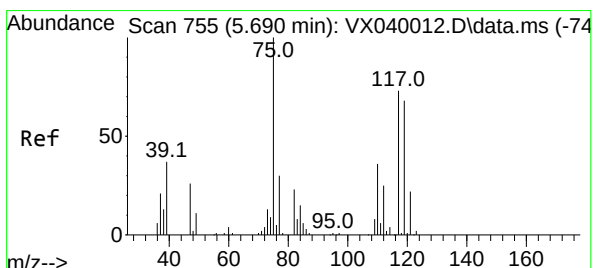
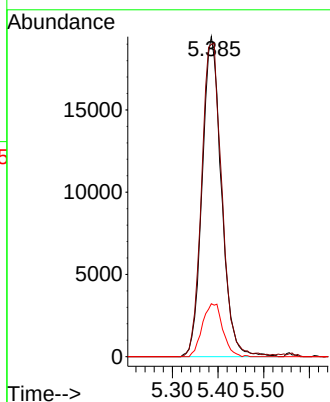
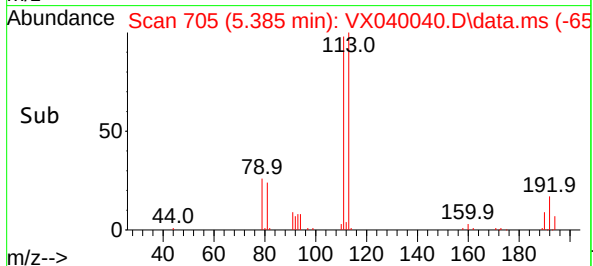
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 113 Resp: 56779
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 17.5 13.3 19.9

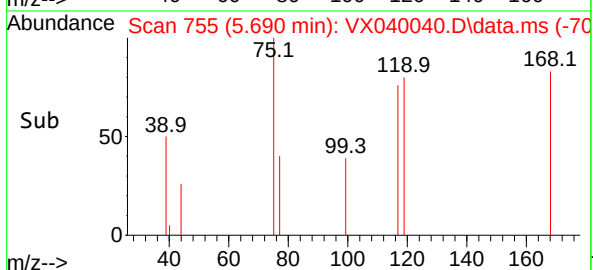
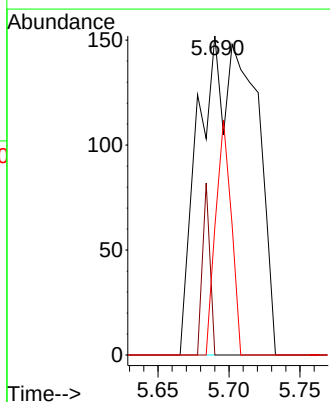
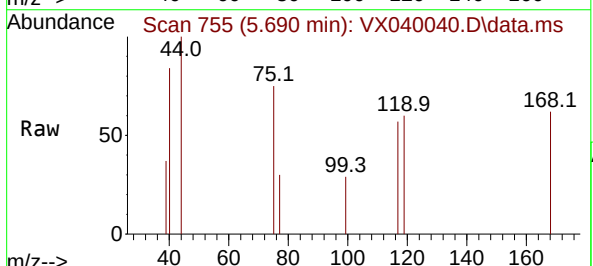
Manual Integrations
APPROVED

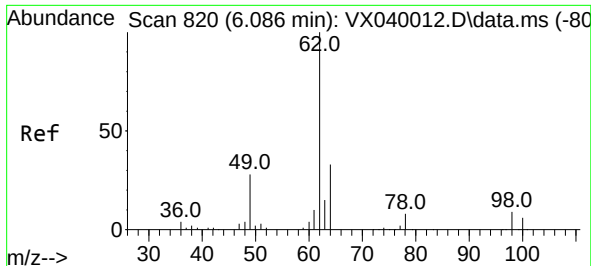
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#36
1,1-Dichloropropene
Concen: 0.249 ug/l m
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

Tgt Ion: 75 Resp: 421
Ion Ratio Lower Upper
75 100
110 178.6 17.0 50.9#
77 0.0 24.7 37.1#





#42

1,2-Dichloroethane

Concen: 0.236 ug/l m

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX040040.D

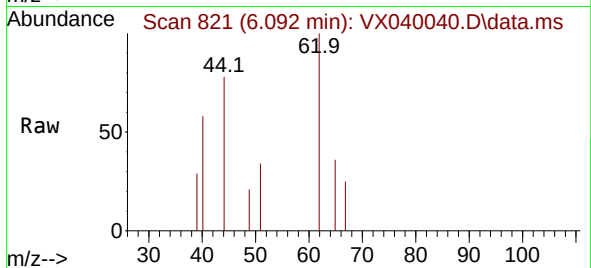
Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024



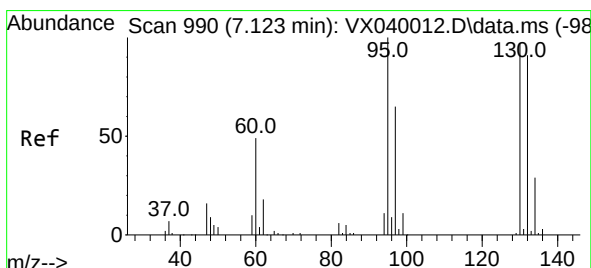
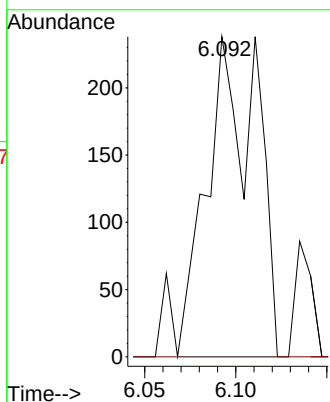
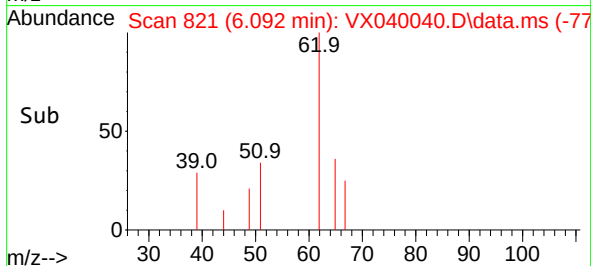
Tgt Ion: 62	Resp: 44
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#44

Trichloroethene

Concen: 0.217 ug/l

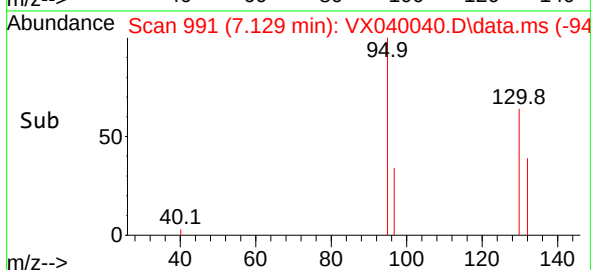
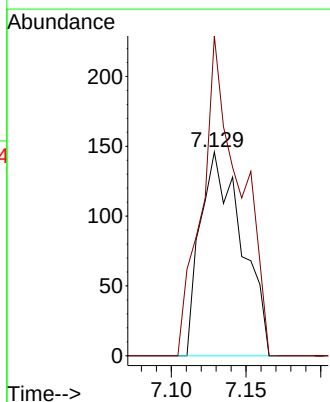
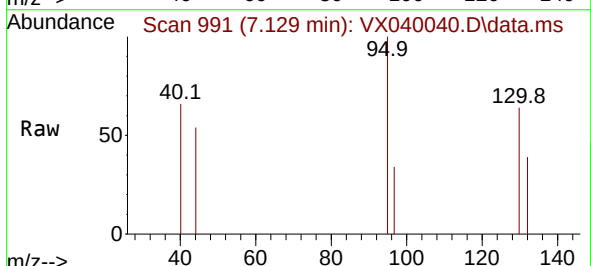
RT: 7.129 min Scan# 991

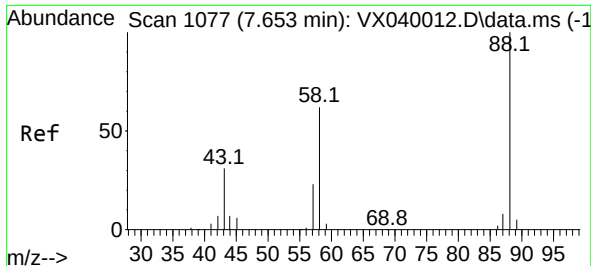
Delta R.T. 0.006 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion:130	Resp: 281
Ion Ratio	Lower Upper
130 100	
95 156.8	0.0 204.4





#49

1,4-Dioxane

Concen: 0.675 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.043 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 88 Resp: 206381

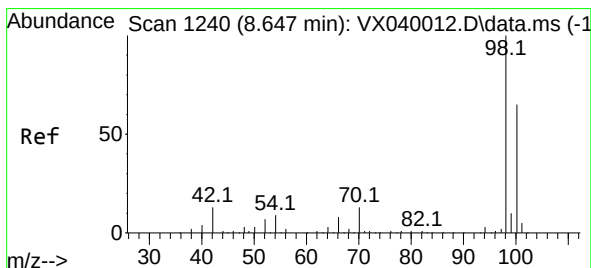
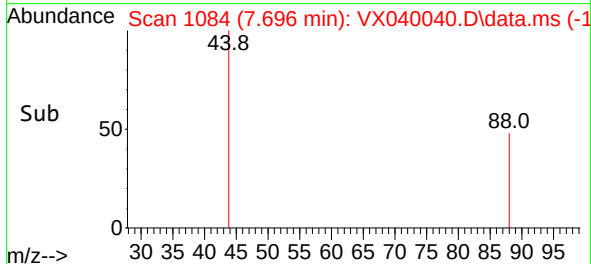
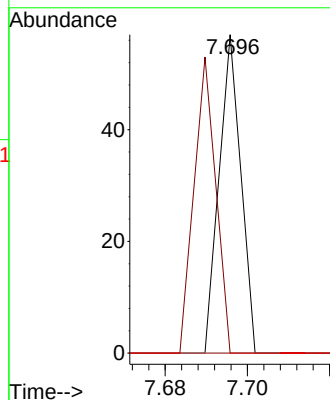
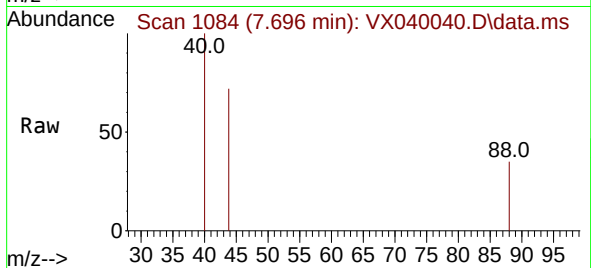
Ion	Ratio	Lower	Upper
88	100		
43	90.5	0.0	0.0
58	0.0	60.1	90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#50

Toluene-d8

Concen: 47.282 ug/l

RT: 8.647 min Scan# 1240

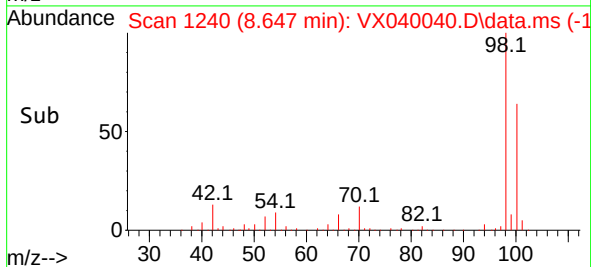
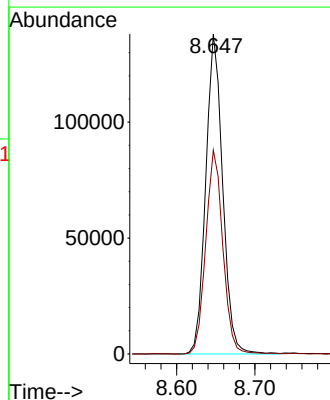
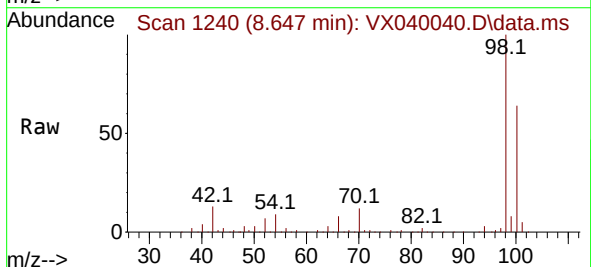
Delta R.T. 0.000 min

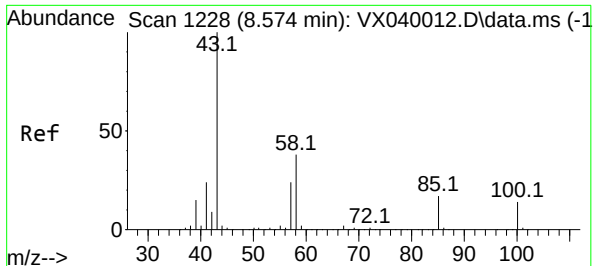
Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion: 98 Resp: 206381

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 0.813 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 43 Resp: 1614

Ion Ratio Lower Upper

43 100

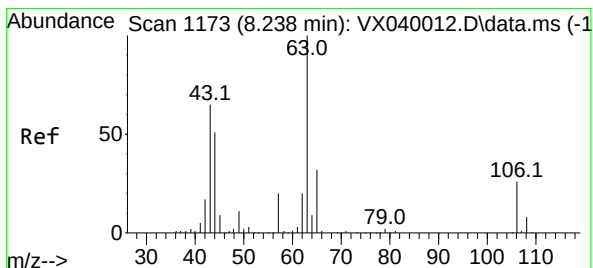
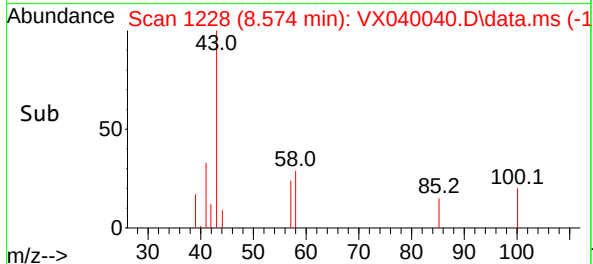
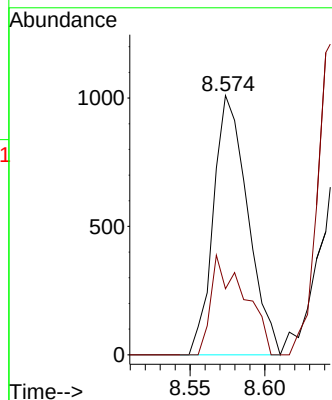
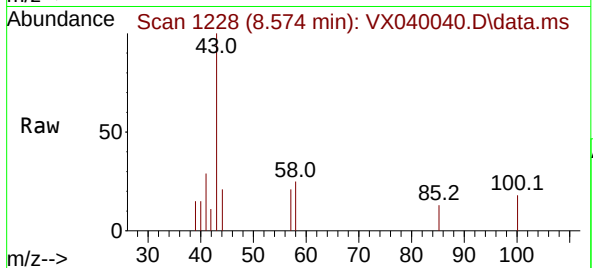
58 37.4 30.4 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#58

2-Chloroethyl Vinyl ether

Concen: 0.692 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.024 min

Lab File: VX040040.D

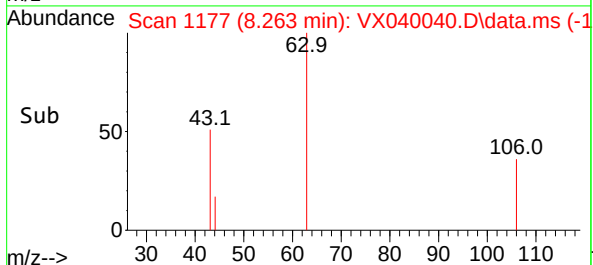
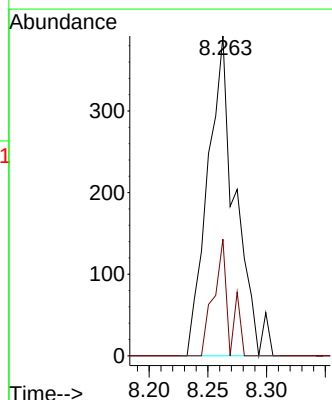
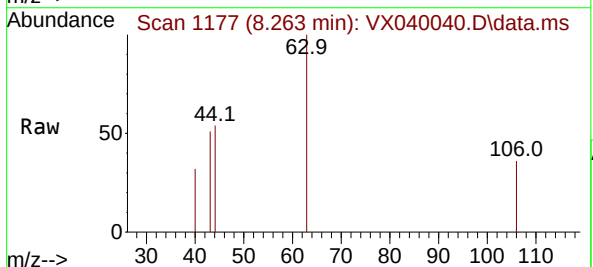
Acq: 31 Jan 2024 12:04

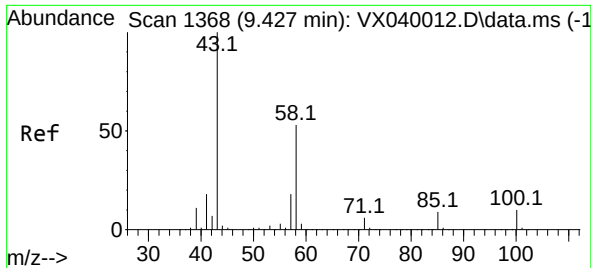
Tgt Ion: 63 Resp: 645

Ion Ratio Lower Upper

63 100

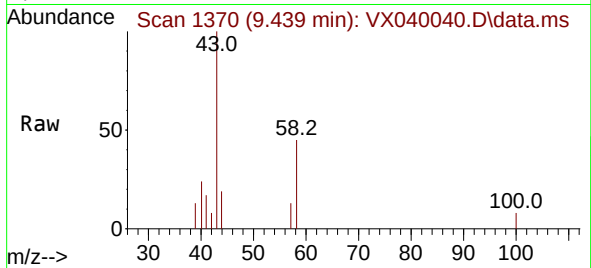
106 20.3 22.5 33.7#





#59
2-Hexanone
Concen: 0.743 ug/l
RT: 9.439 min Scan# 1179
Delta R.T. 0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

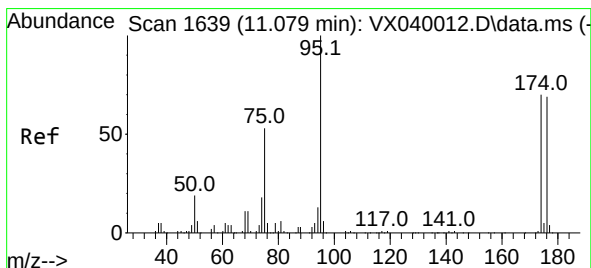
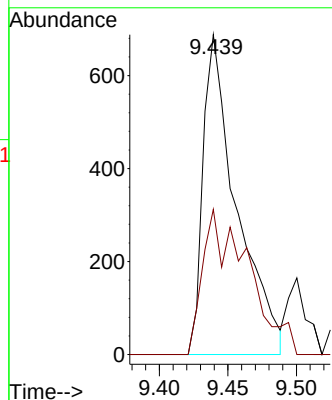
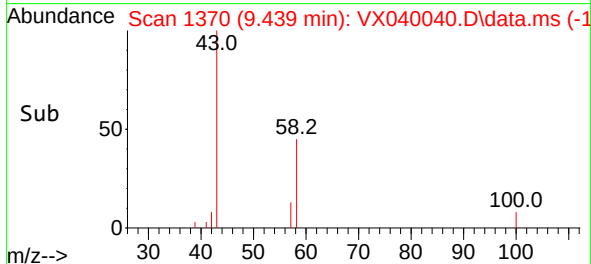
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



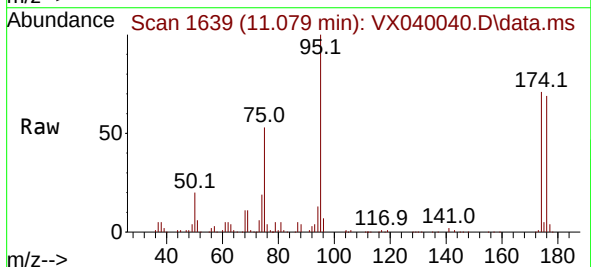
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 61.3 26.2 78.5

Manual Integrations
APPROVED

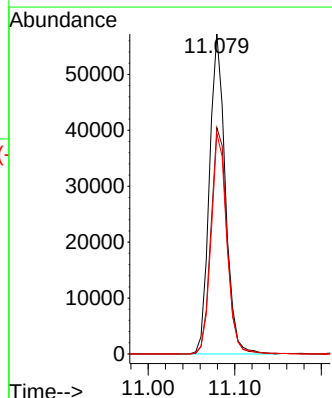
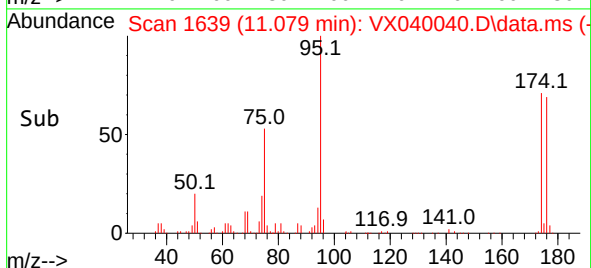
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

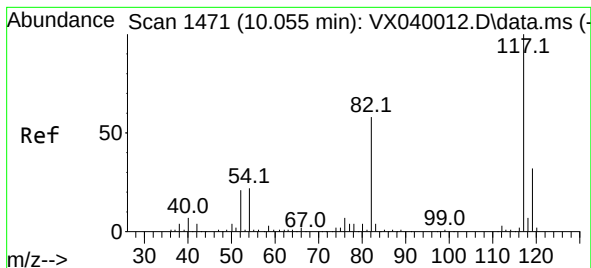


#62
4-Bromofluorobenzene
Concen: 43.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



Tgt Ion: 95 Resp: 72691
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 68.5 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040040.D

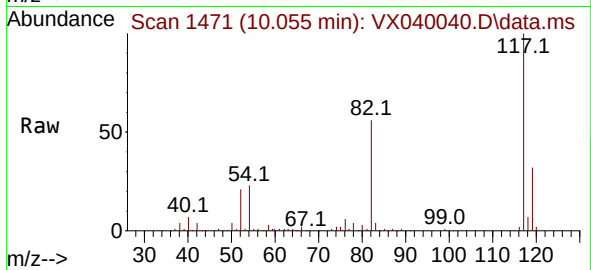
Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion:117 Resp: 15696

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.4

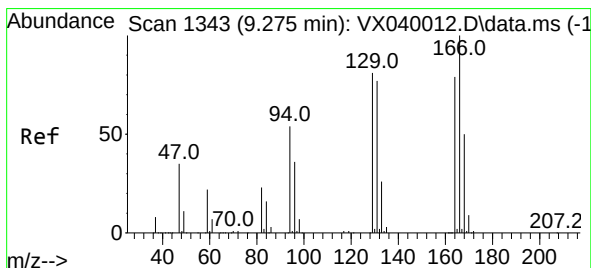
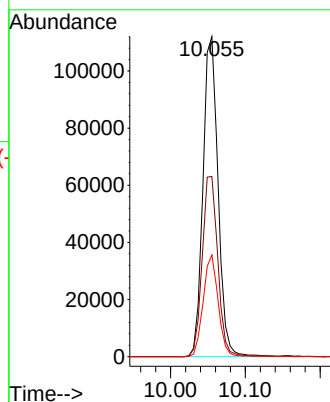
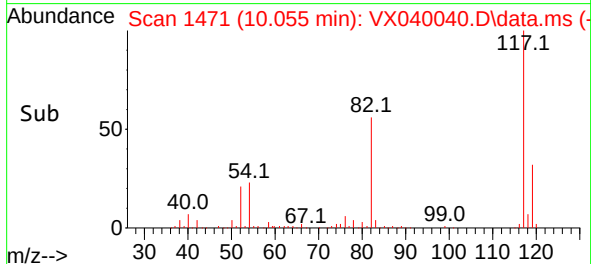
119 31.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#64

Tetrachloroethene

Concen: 0.280 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion:164 Resp: 286

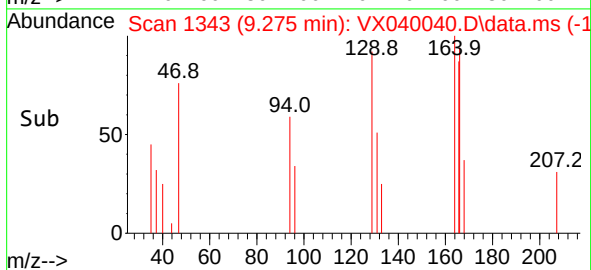
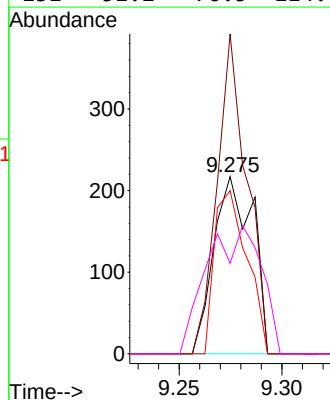
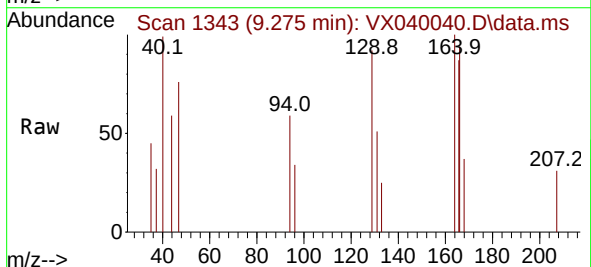
Ion Ratio Lower Upper

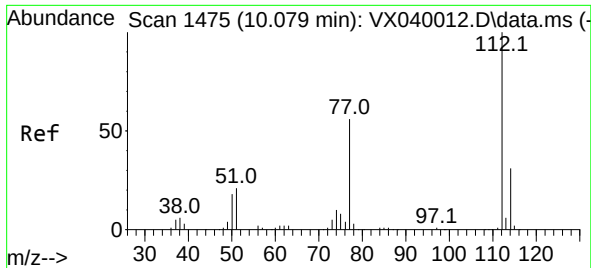
164 100

166 180.6 102.7 154.1#

129 92.2 80.4 120.6

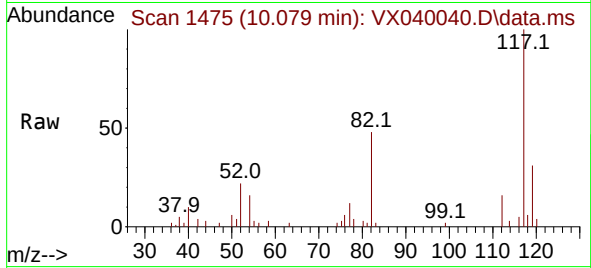
131 51.2 76.5 114.7#





#65
Chlorobenzene
Concen: 0.256 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

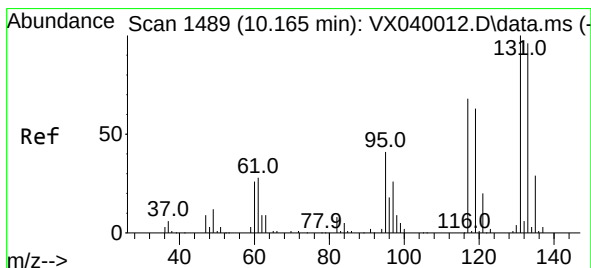
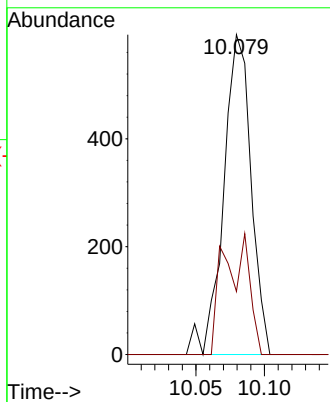
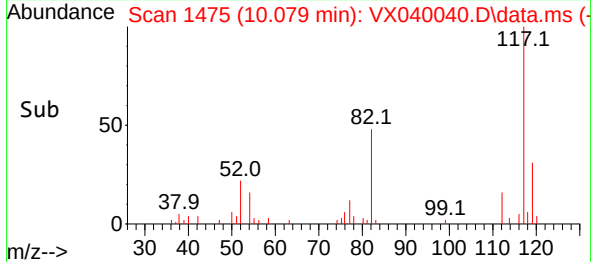
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



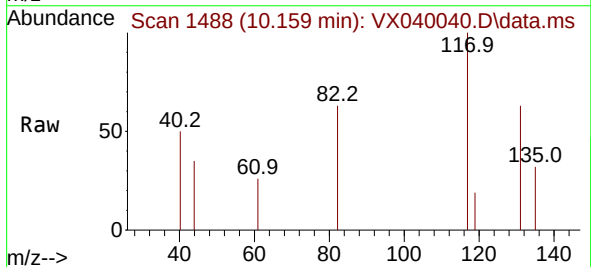
Tgt Ion:112 Resp: 829
Ion Ratio Lower Upper
112 100
114 19.7 25.7 38.5

Manual Integrations
APPROVED

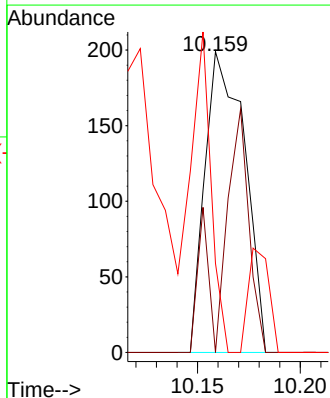
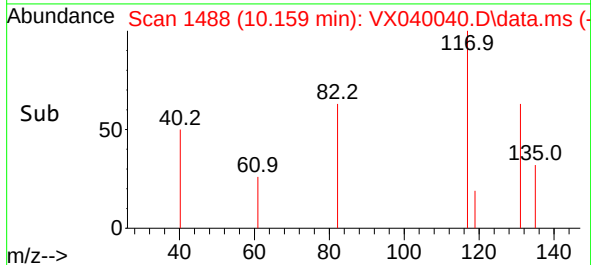
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

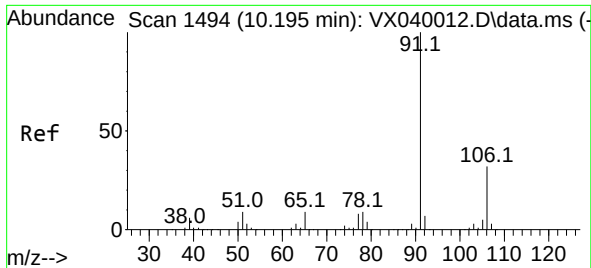


#66
1,1,1,2-Tetrachloroethane
Concen: 0.243 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



Tgt Ion:131 Resp: 266
Ion Ratio Lower Upper
131 100
133 56.4 47.1 141.4
119 0.0 32.2 96.6





#67

Ethyl Benzene

Concen: 0.208 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

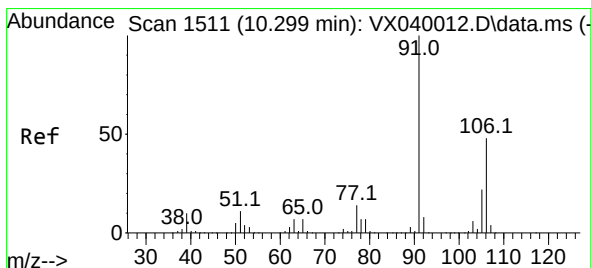
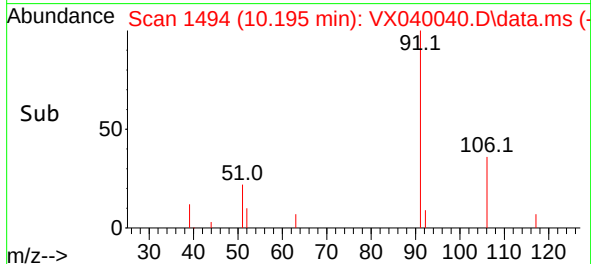
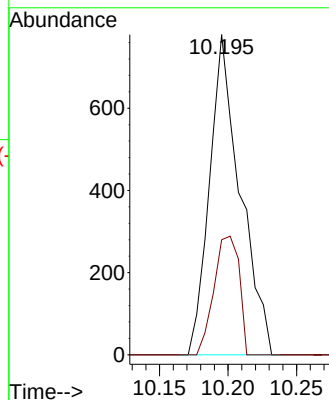
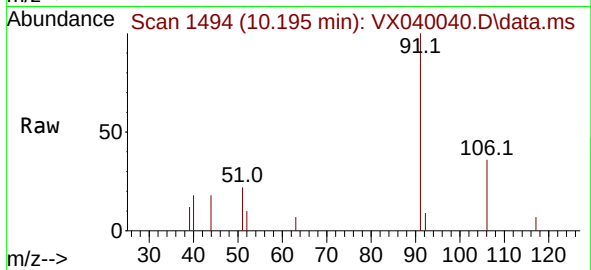
Tgt Ion: 91 Resp: 121
 Ion Ratio Lower Upper
 91 100
 106 35.9 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#68

m/p-Xylenes

Concen: 0.398 ug/l

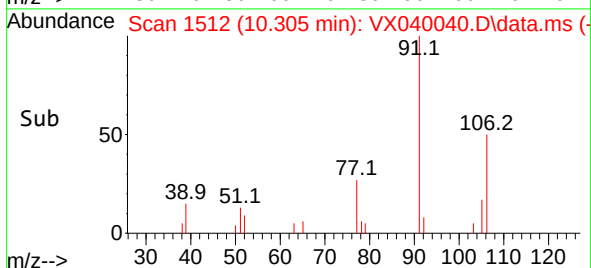
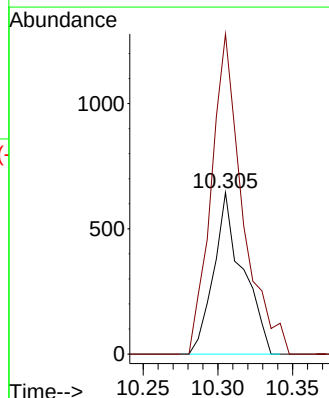
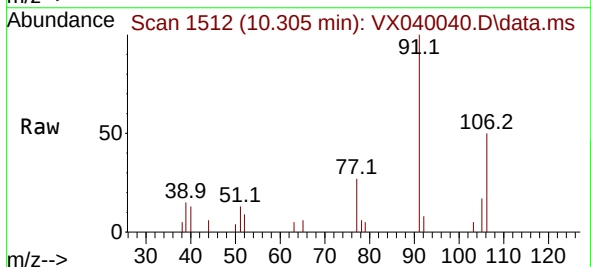
RT: 10.305 min Scan# 1512

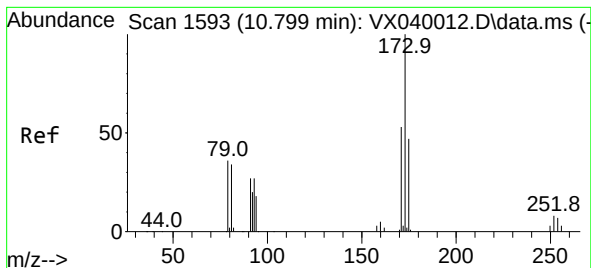
Delta R.T. 0.006 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Tgt Ion:106 Resp: 871
 Ion Ratio Lower Upper
 106 100
 91 214.0 165.5 248.3





#71

Bromoform

Concen: 0.210 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024

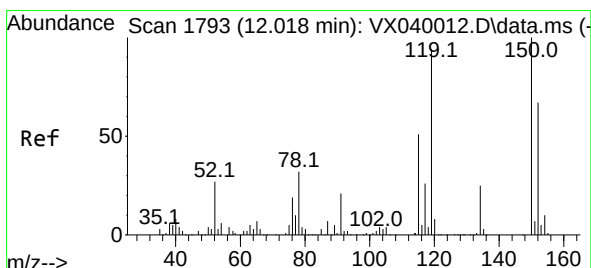
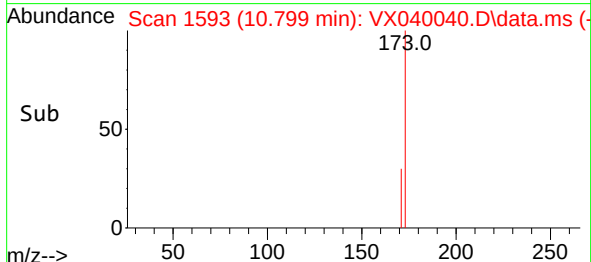
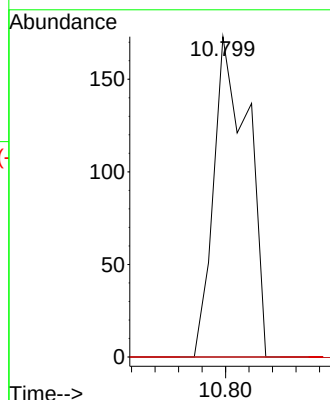
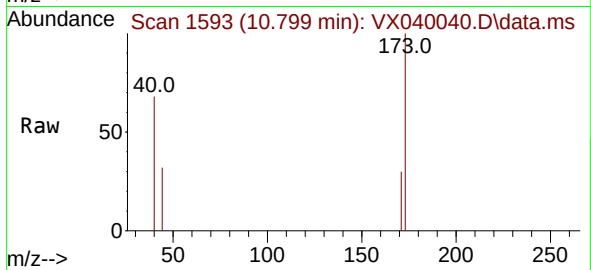
Tgt Ion:173	Resp:	170
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.1
254	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

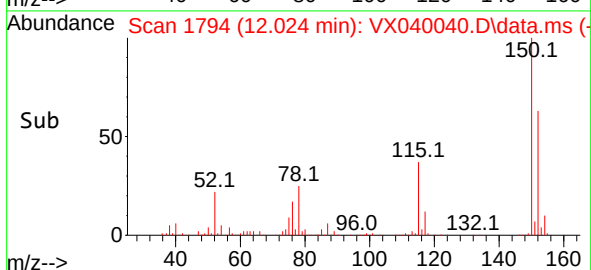
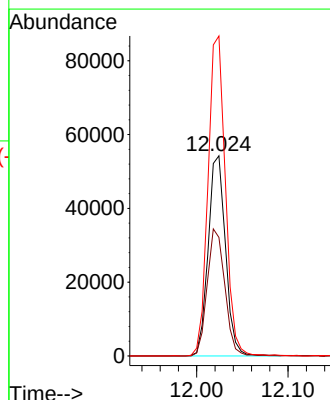
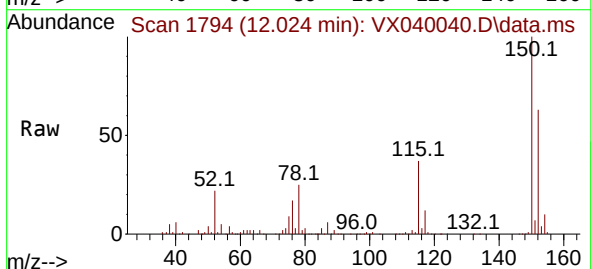
RT: 12.024 min Scan# 1794

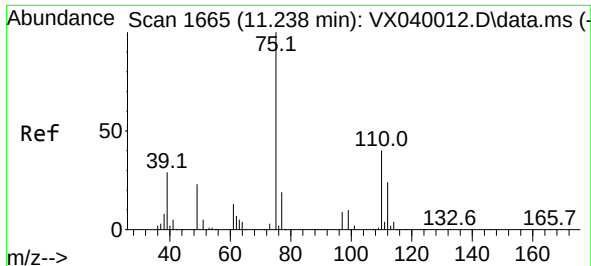
Delta R.T. 0.006 min

Lab File: VX040040.D

Acq: 31 Jan 2024 12:04

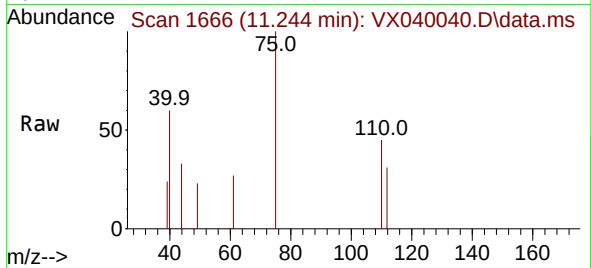
Tgt Ion:152	Resp:	71428
Ion Ratio	Lower	Upper
152	100	
115	64.5	43.3
150	159.9	0.0





#76
1,2,3-Trichloropropane
Concen: 0.257 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

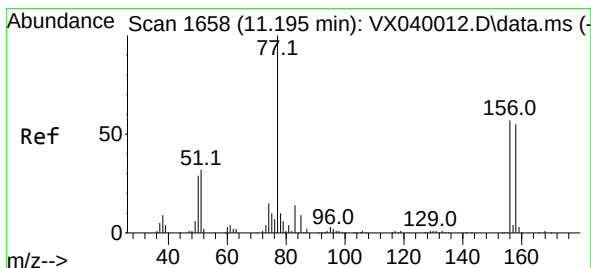
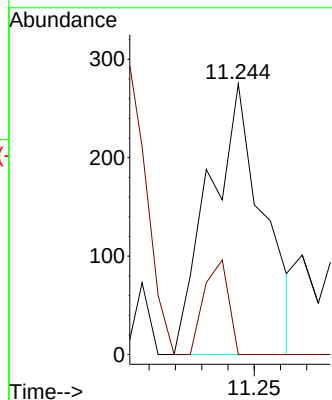
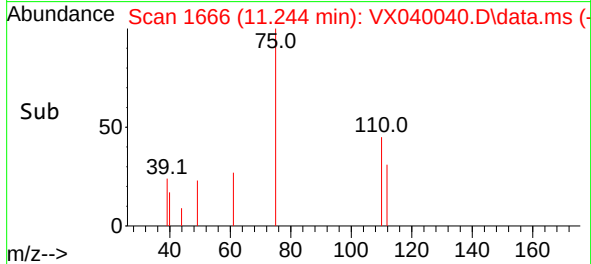
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



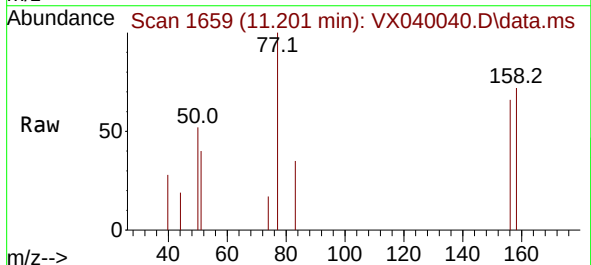
Tgt Ion: 75 Resp: 39.1
Ion Ratio Lower Upper
75 100
77 130.2 19.1 57.5

Manual Integrations
APPROVED

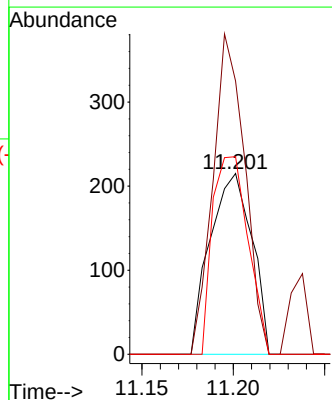
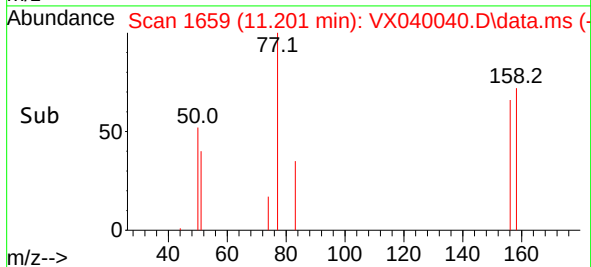
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

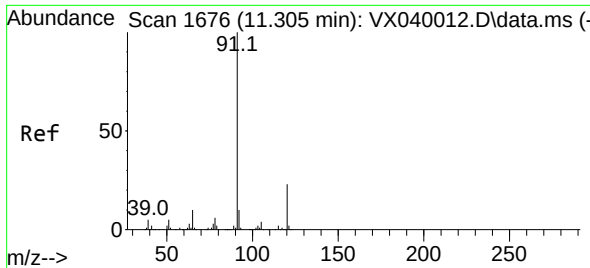


#77
Bromobenzene
Concen: 0.290 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



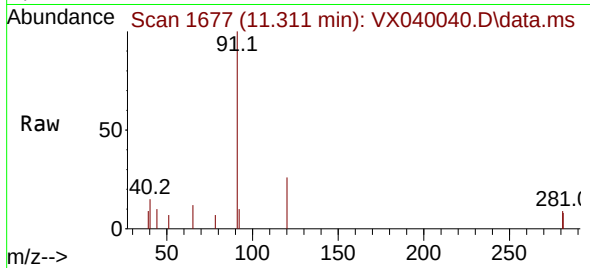
Tgt Ion:156 Resp: 343
Ion Ratio Lower Upper
156 100
77 135.0 88.4 265.3
158 93.0 48.0 144.0





#78
n-propylbenzene
Concen: 0.216 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

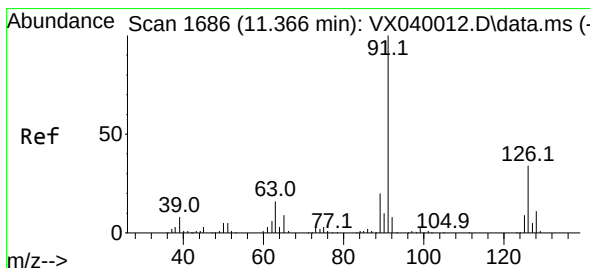
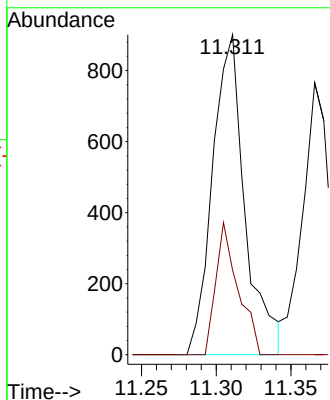
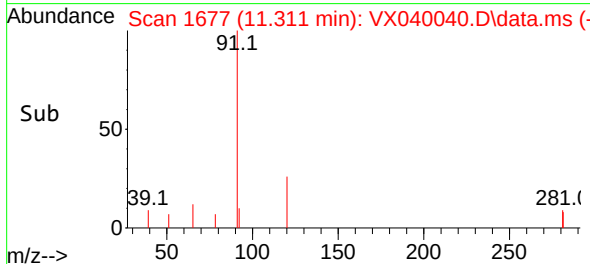
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



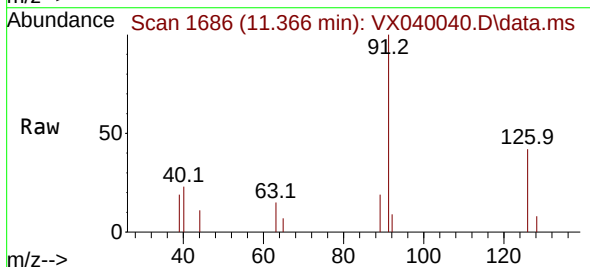
Tgt Ion: 91 Resp: 136
Ion Ratio Lower Upper
91 100
120 28.2 11.5 34.4

Manual Integrations
APPROVED

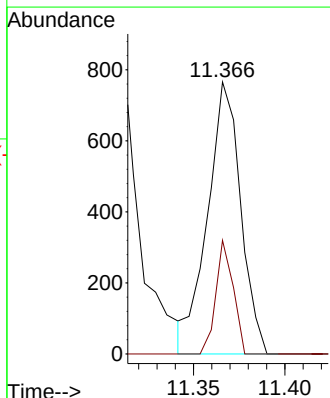
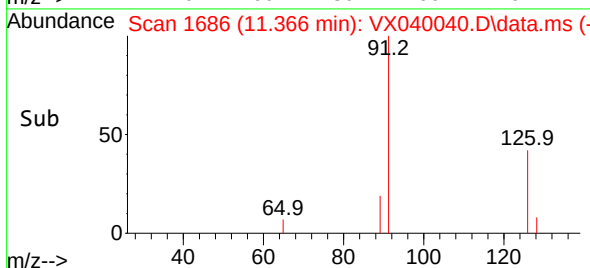
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

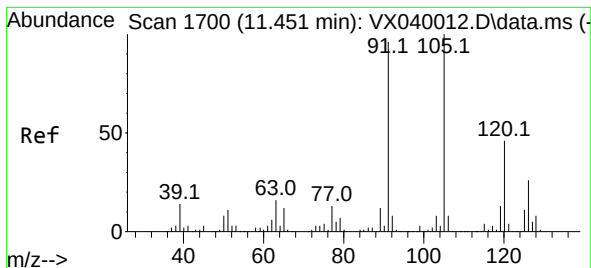


#79
2-Chlorotoluene
Concen: 0.253 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



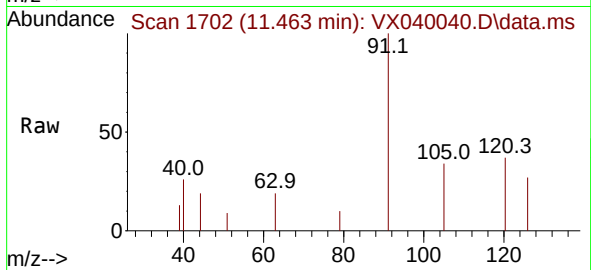
Tgt Ion: 91 Resp: 961
Ion Ratio Lower Upper
91 100
126 21.9 16.3 48.8





#82
4-Chlorotoluene
Concen: 0.243 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

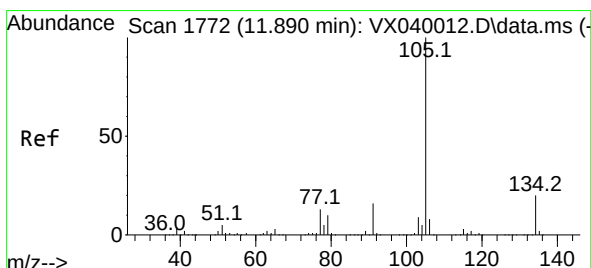
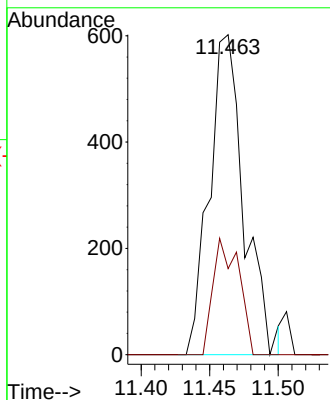
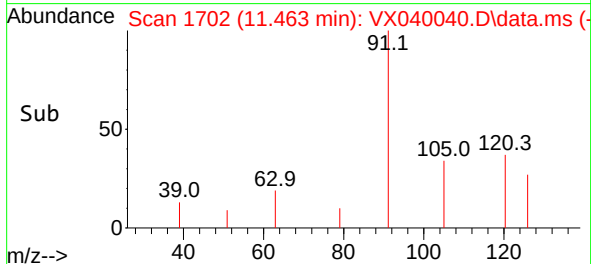
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



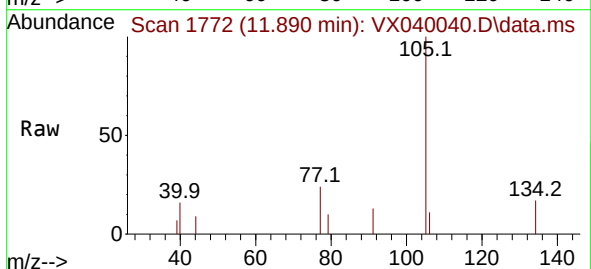
Tgt Ion: 91 Resp: 105
Ion Ratio Lower Upper
91 100
126 27.0 14.2 42.6

Manual Integrations
APPROVED

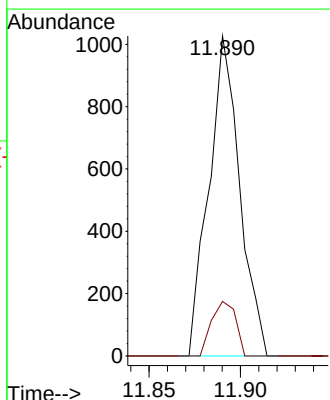
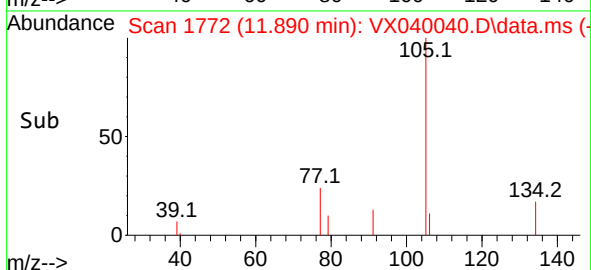
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

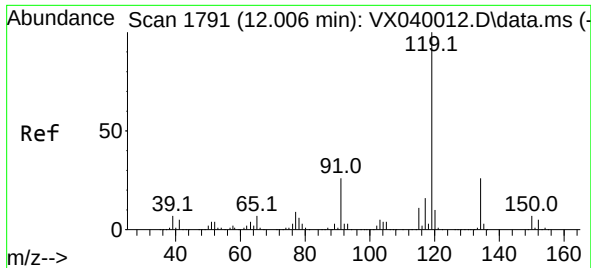


#85
sec-Butylbenzene
Concen: 0.215 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



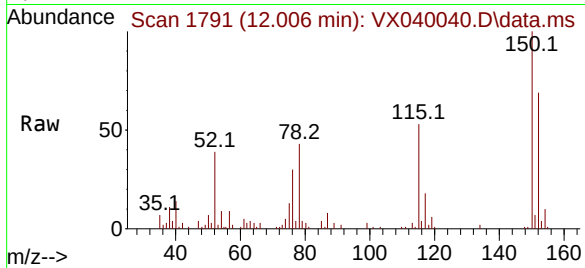
Tgt Ion:105 Resp: 1203
Ion Ratio Lower Upper
105 100
134 13.4 9.8 29.4





#86
p-Isopropyltoluene
Concen: 0.213 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

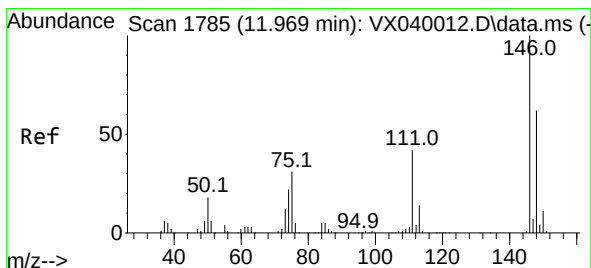
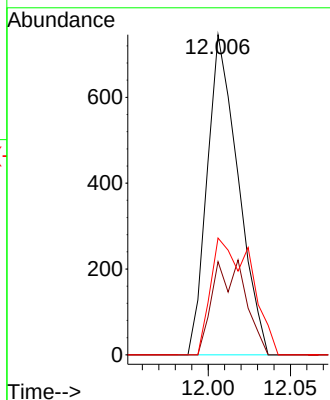
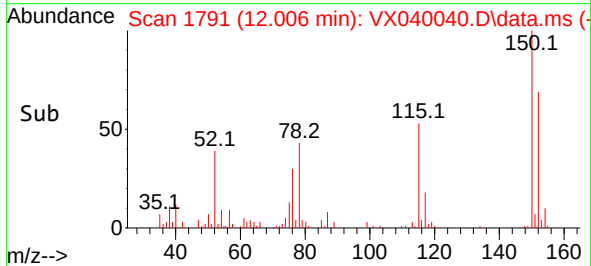
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



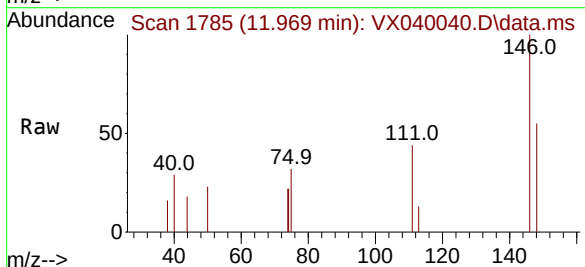
Tgt Ion:119 Resp: 97
Ion Ratio Lower Upper
119 100
134 31.3 12.8 38.3
91 47.7 13.1 39.3

Manual Integrations
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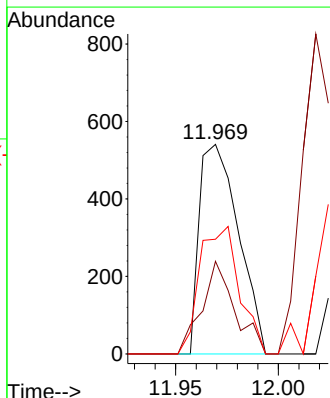
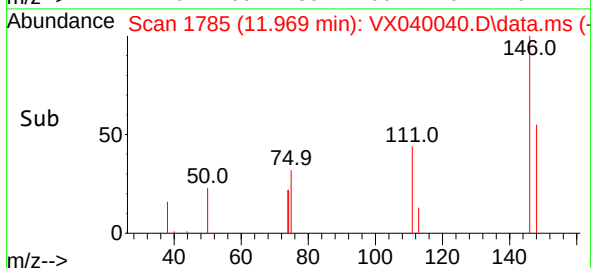
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

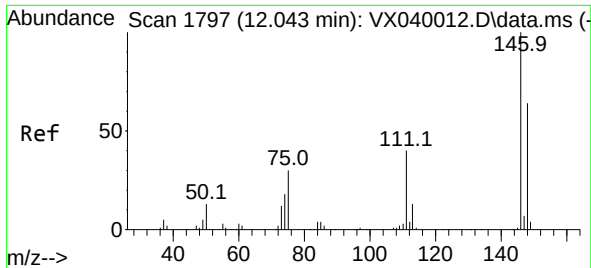


#87
1,3-Dichlorobenzene
Concen: 0.300 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



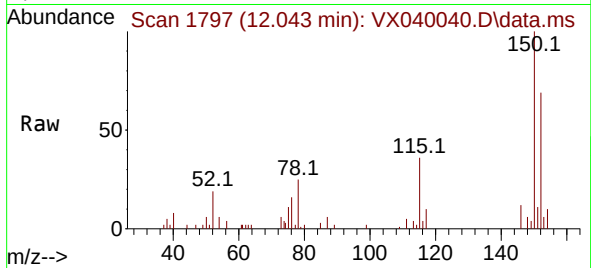
Tgt Ion:146 Resp: 715
Ion Ratio Lower Upper
146 100
111 37.3 22.1 66.1
148 61.5 31.8 95.3





#88
1,4-Dichlorobenzene
Concen: 0.319 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

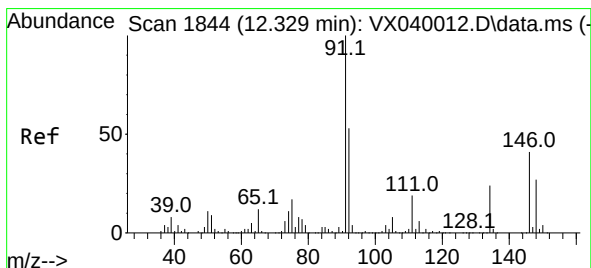
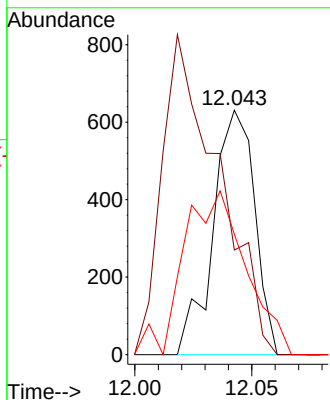
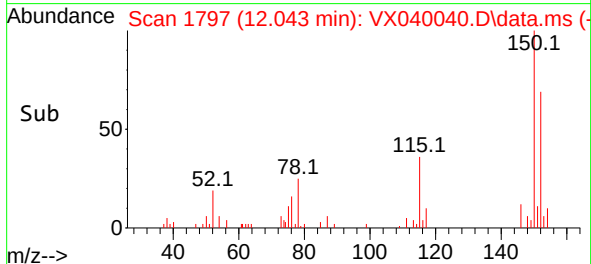
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



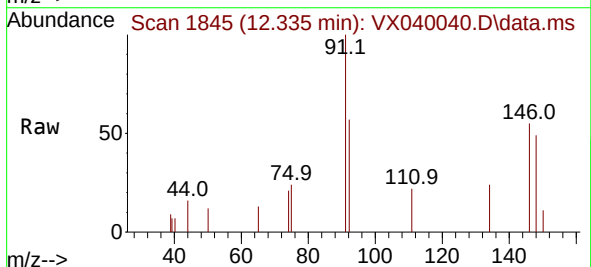
Tgt Ion:146 Resp: 780
Ion Ratio Lower Upper
146 100
111 34.2 21.3 63.7
148 56.4 31.8 95.4

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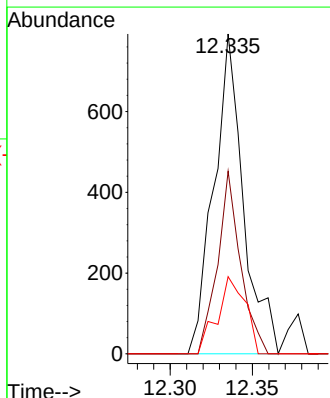
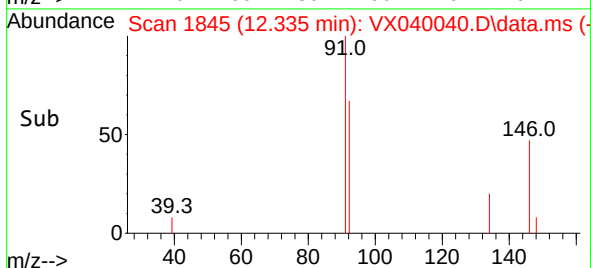
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

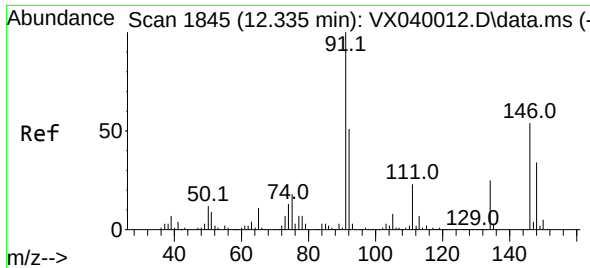


#89
n-Butylbenzene
Concen: 0.223 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



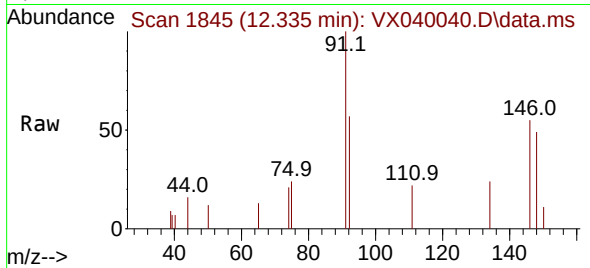
Tgt Ion: 91 Resp: 989
Ion Ratio Lower Upper
91 100
92 44.5 27.4 82.0
134 22.9 12.6 37.8





#91
1,2-Dichlorobenzene
Concen: 0.231 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

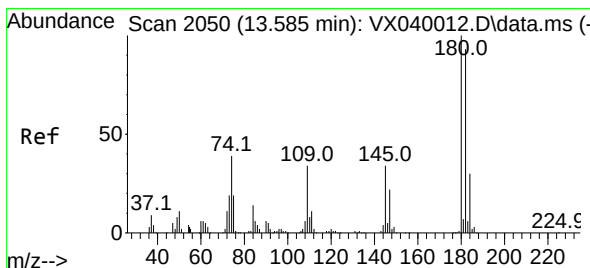
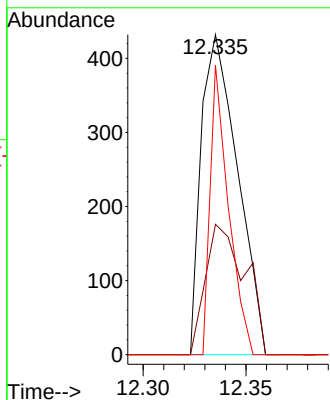
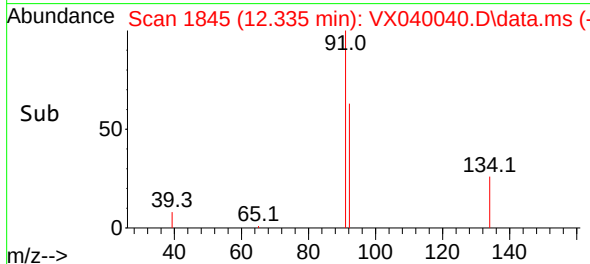
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024



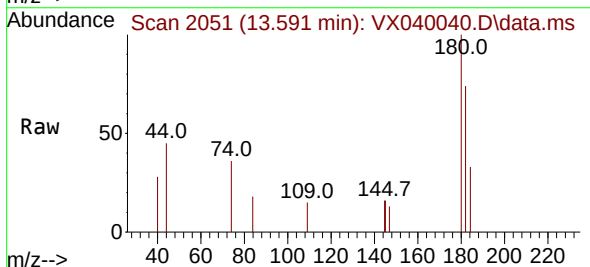
Tgt Ion:146 Resp: 531
Ion Ratio Lower Upper
146 100
111 44.4 22.4 67.0
148 45.6 31.6 95.0

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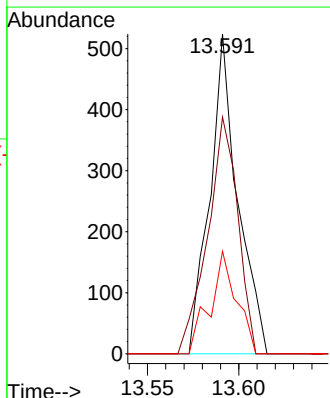
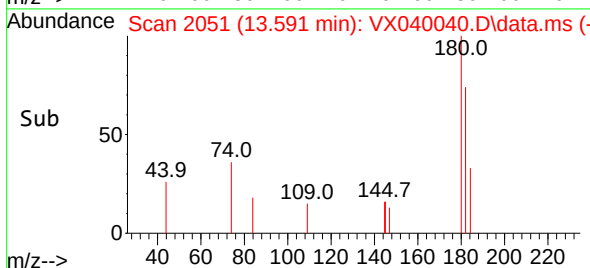
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

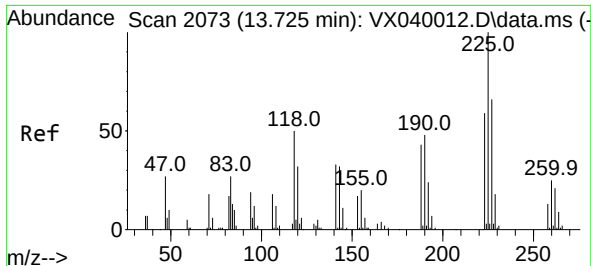


#93
1,2,4-Trichlorobenzene
Concen: 0.386 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04



Tgt Ion:180 Resp: 555
Ion Ratio Lower Upper
180 100
182 80.2 48.3 144.8
145 30.6 18.0 54.0





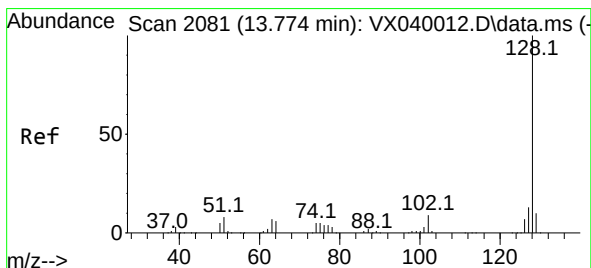
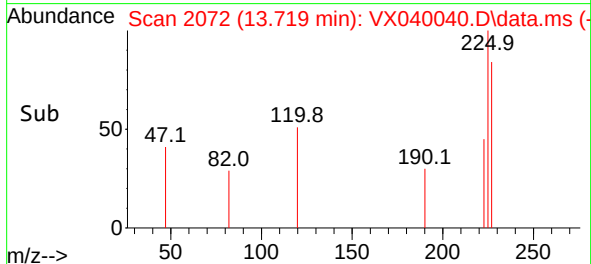
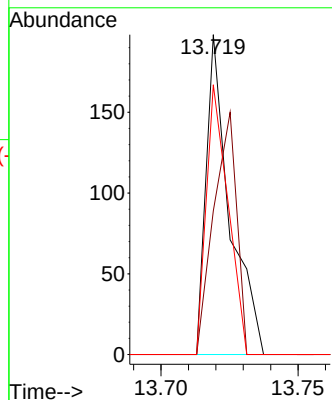
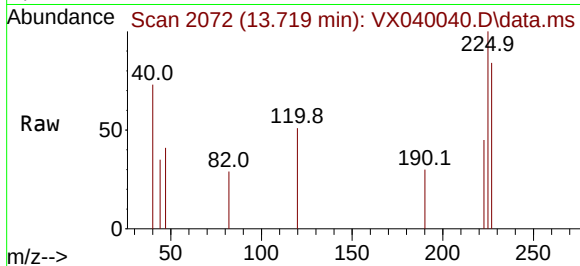
#94
Hexachlorobutadiene
Concen: 0.208 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:225 Resp: 118
Ion Ratio Lower Upper
225 100
223 73.7 31.1 93.2
227 78.0 32.5 97.5

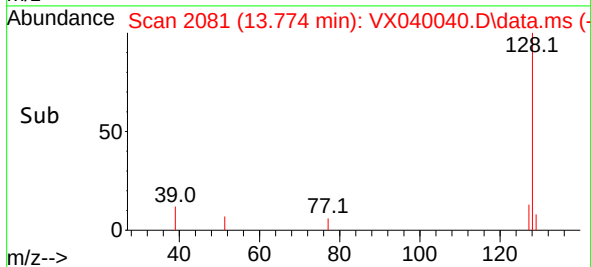
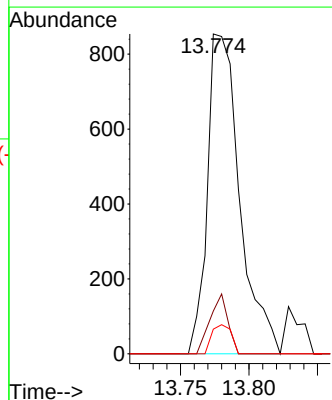
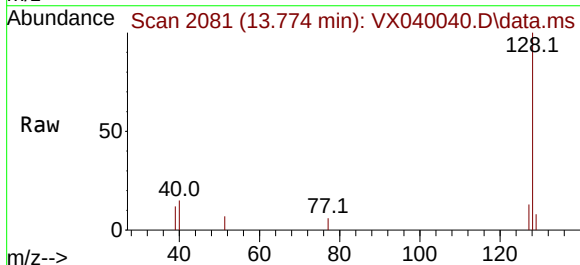
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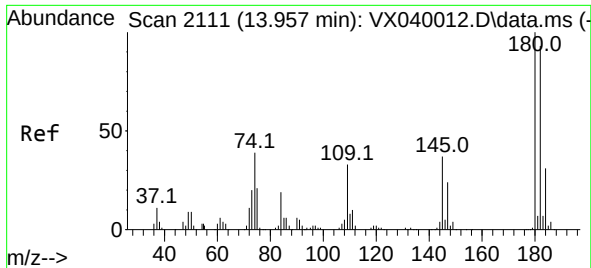
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#95
Naphthalene
Concen: 0.286 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040040.D
Acq: 31 Jan 2024 12:04

Tgt Ion:128 Resp: 1398
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 5.5 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.286 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX040040.D

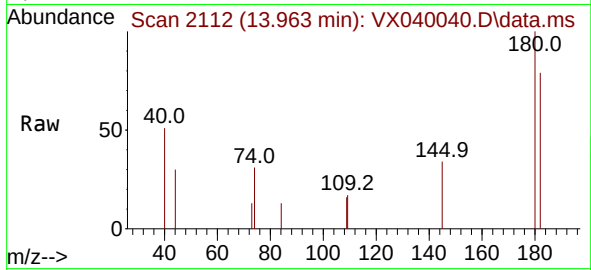
Acq: 31 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion:180	Resp:	407
Ion Ratio	Lower	Upper
180	100	
182	95.1	46.9 140.6
145	21.9	17.8 53.5

Manual Integrations

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Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024

