

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074390.D
 Acq On : 09 Sep 2022 22:12
 Operator : JC\MD
 Sample : N4471-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06-1.5-11.5-083122

Quant Time: Sep 10 07:27:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	374585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.910	114	677775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	702625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	335141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	260575	40.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.420%		
35) Dibromofluoromethane	7.951	113	224904	49.152	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.300%		
50) Toluene-d8	10.380	98	794445	44.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.120%		
62) 4-Bromofluorobenzene	12.674	95	336831	52.036	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.080%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.404	62	118770	14.645	ug/l	98
8) Diethyl Ether	3.769	74	1898	0.562	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.116	101	36824734m	7673.939	ug/l	
12) 1,1-Dichloroethene	4.122	96	968595	207.430	ug/l	88
20) Methylene Chloride	5.004	84	119310	22.410	ug/l	93
21) trans-1,2-Dichloroethene	5.510	96	21381	4.086	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	66500	6.276	ug/l	95
27) cis-1,2-Dichloroethene	7.251	96	8149913	1264.266	ug/l	90
29) Tetrahydrofuran	7.616	42	77341	19.921	ug/l	98
30) Chloroform	7.751	83	79020	7.471	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	270280	28.483	ug/l	99
40) Benzene	8.398	78	159387	6.906	ug/l	97
42) 1,2-Dichloroethane	8.463	62	45267	5.130	ug/l	99
44) Trichloroethene	9.139	130	54462334m	10525.665	ug/l	
52) Toluene	10.445	92	23394	1.639	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	84356	14.338	ug/l	92
64) Tetrachloroethene	10.916	164	1830679	384.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.774	83	3461	0.286	ug/l	94
88) 1,4-Dichlorobenzene	13.633	146	41096	3.183	ug/l	88

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

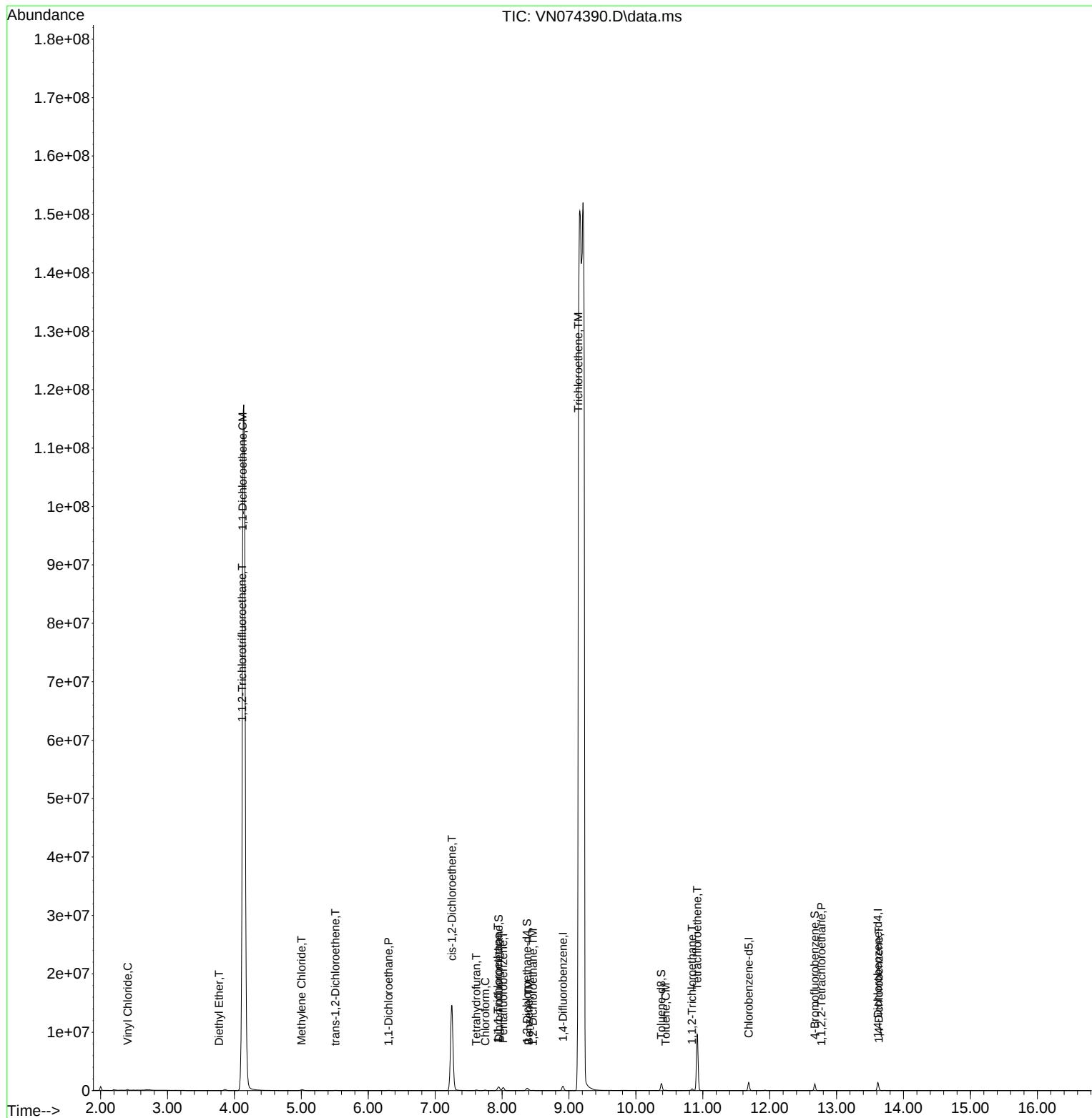
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
Data File : VN074390.D
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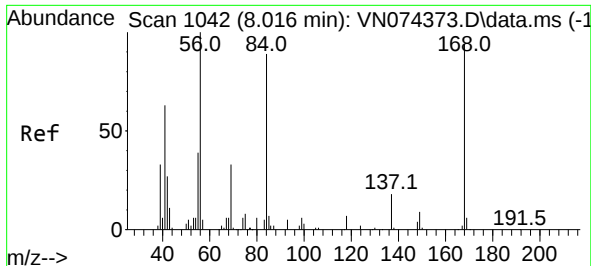
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
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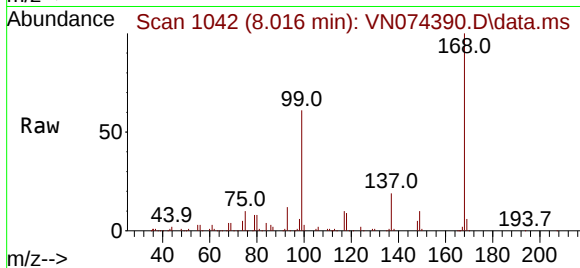
Reviewed By : John Carlone 09/12/2022
Supervised By : Mahesh Dadoda 09/12/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

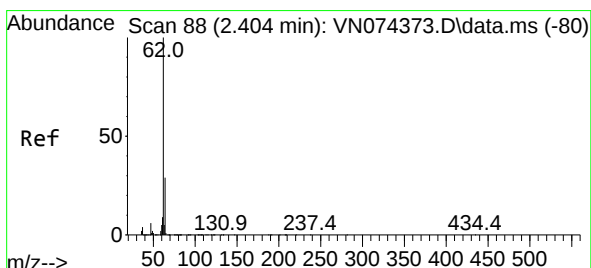
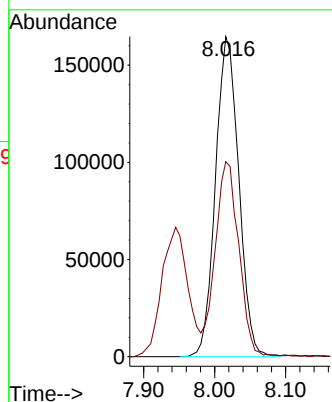
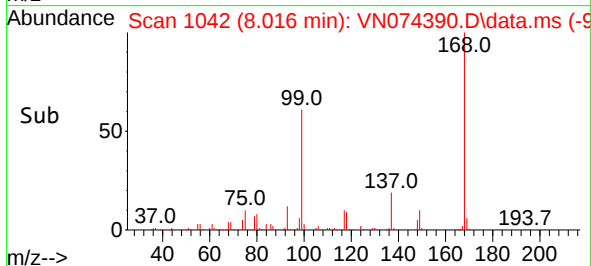
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion:168 Resp: 37458
Ion Ratio Lower Upper
168 100
99 60.7 52.8 79.2

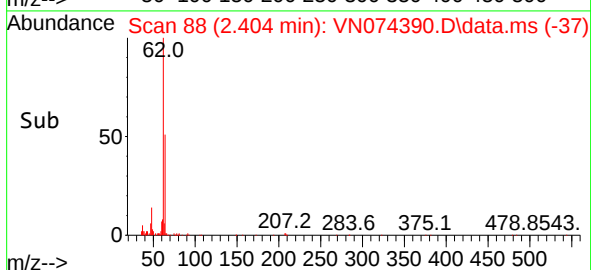
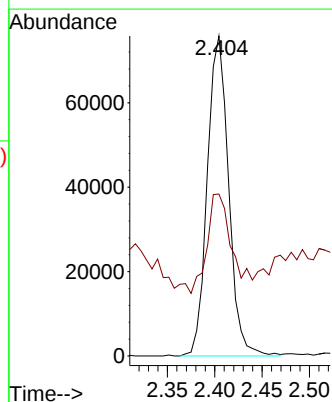
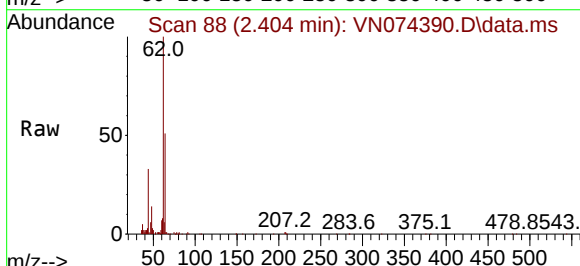
Manual Integrations
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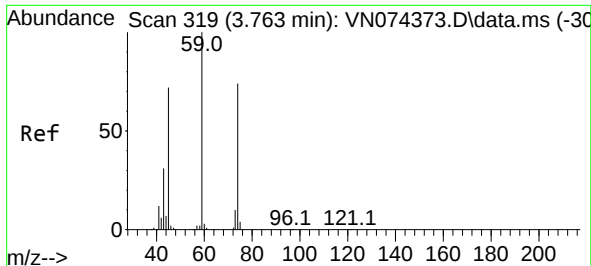
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#4
Vinyl Chloride
Concen: 14.645 ug/l
RT: 2.404 min Scan# 88
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

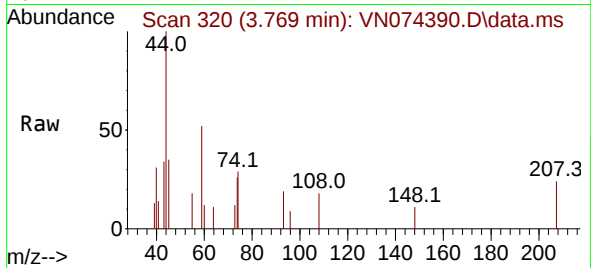
Tgt Ion: 62 Resp: 118770
Ion Ratio Lower Upper
62 100
64 28.2 23.5 35.3





#8
Diethyl Ether
Concen: 0.562 ug/l
RT: 3.769 min Scan# 319
Delta R.T. 0.006 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

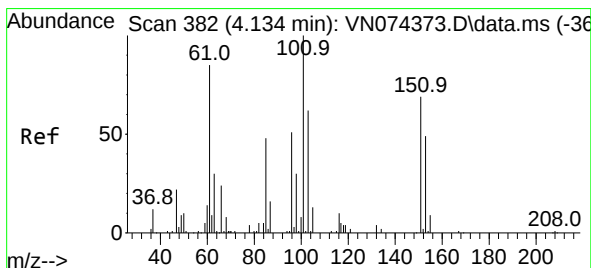
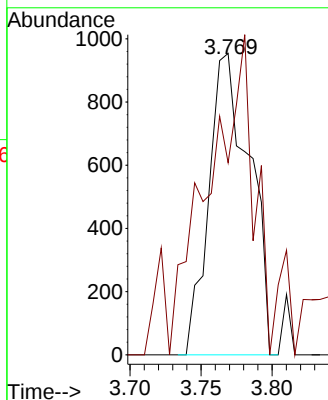
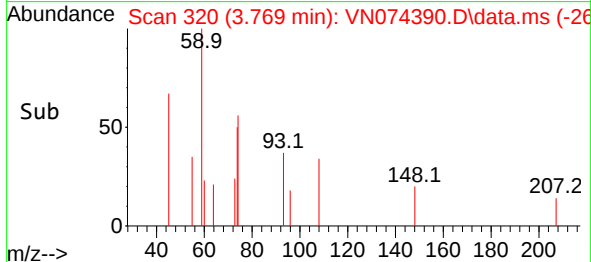
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion: 74 Resp: 1898
Ion Ratio Lower Upper
74 100
45 120.3 52.4 157.3

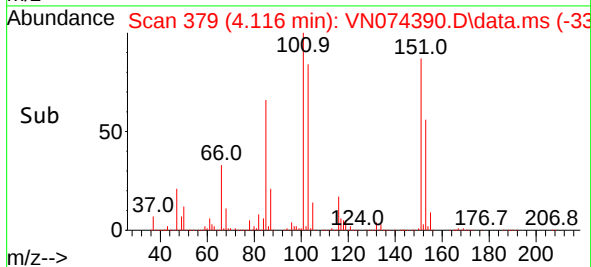
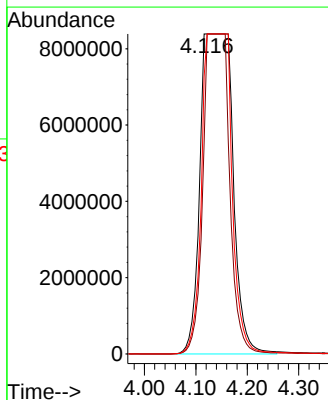
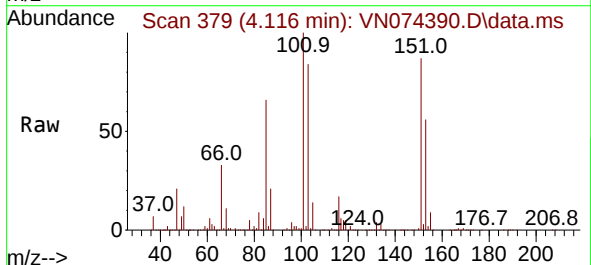
Manual Integrations
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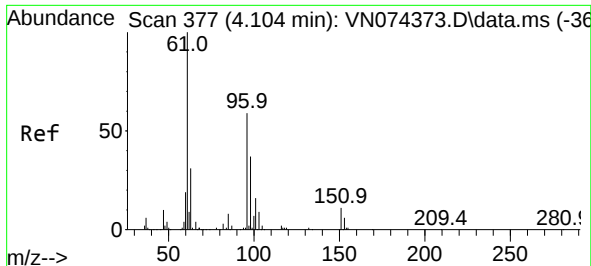
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7673.939 ug/l m
RT: 4.116 min Scan# 379
Delta R.T. -0.018 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

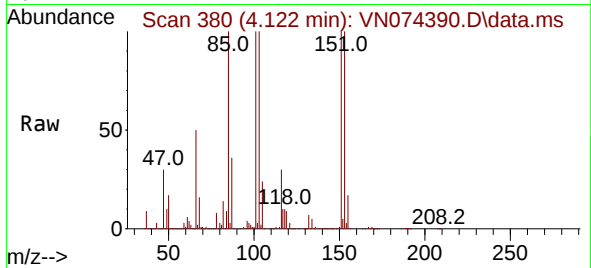
Tgt Ion:101 Resp:36824734
Ion Ratio Lower Upper
101 100
85 0.0 39.5 59.3#
151 0.0 57.8 86.6#





#12
1,1-Dichloroethene
Concen: 207.430 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

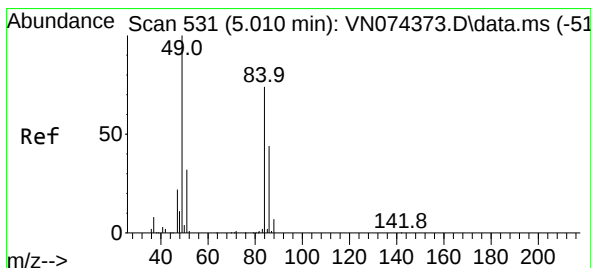
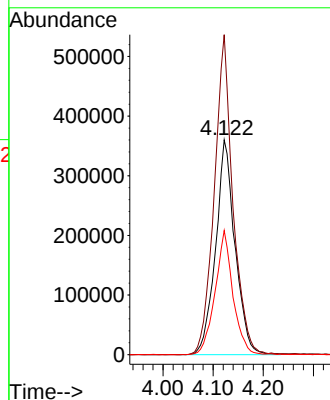
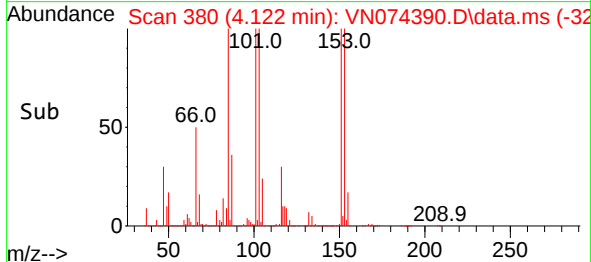
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion: 96 Resp: 96859
Ion Ratio Lower Upper
96 100
61 148.9 134.7 202.1
98 57.8 50.2 75.4

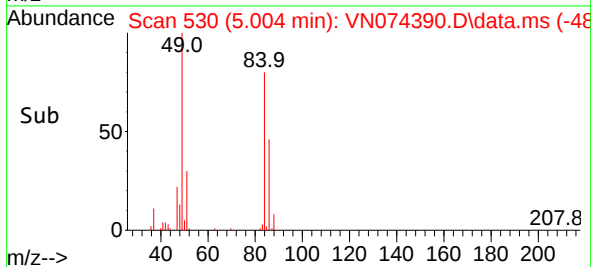
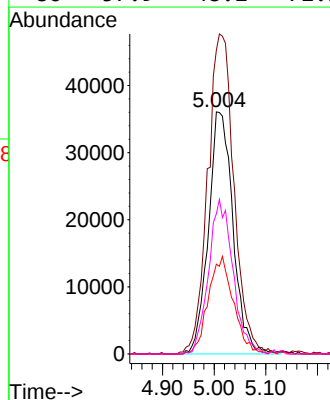
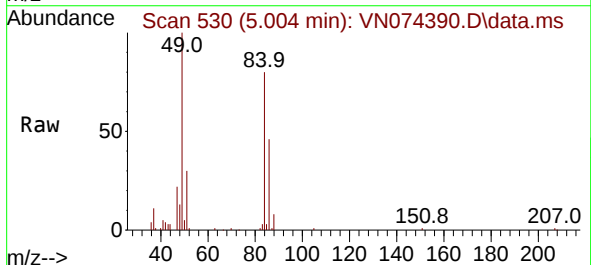
Manual Integrations
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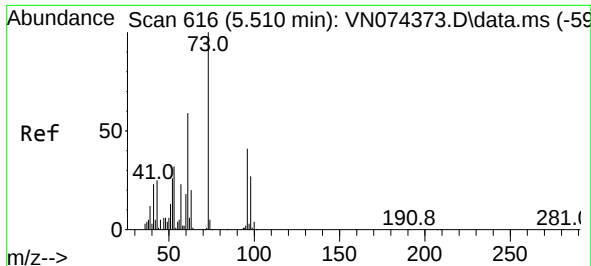
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#20
Methylene Chloride
Concen: 22.410 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

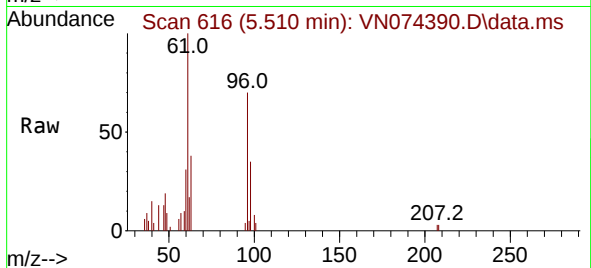
Tgt Ion: 84 Resp: 119310
Ion Ratio Lower Upper
84 100
49 124.6 108.2 162.4
51 37.1 34.3 51.5
86 57.9 48.2 72.2





#21
trans-1,2-Dichloroethene
Concen: 4.086 ug/l
RT: 5.510 min Scan# 616
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

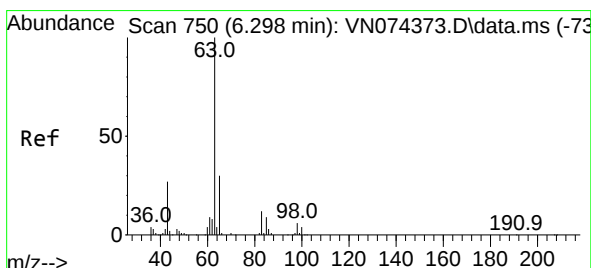
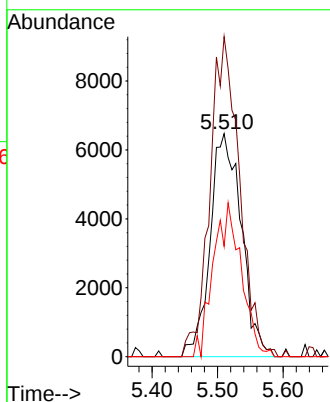
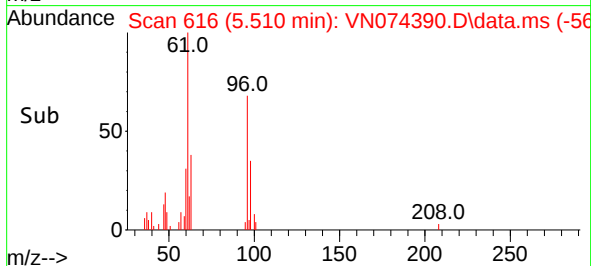
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion: 96 Resp: 2138
Ion Ratio Lower Upper
96 100
61 143.5 115.3 172.9
98 49.5 53.4 80.0

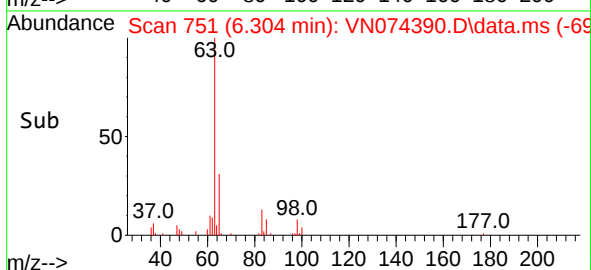
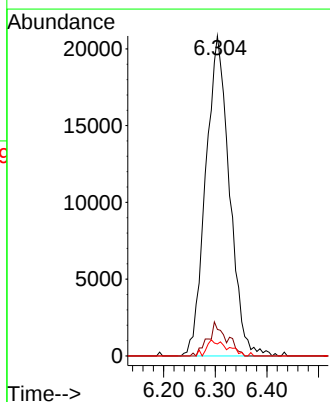
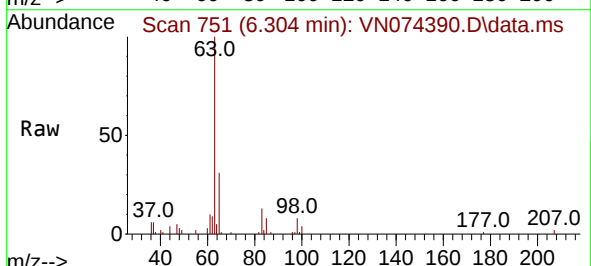
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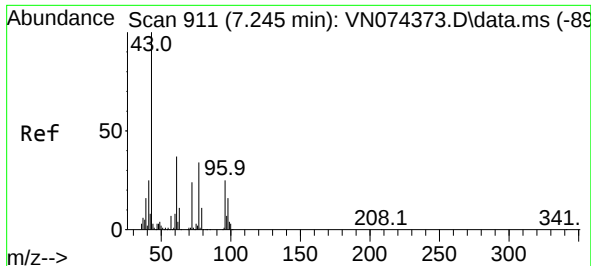
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#24
1,1-Dichloroethane
Concen: 6.276 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

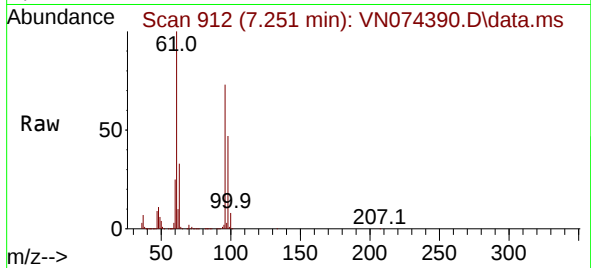
Tgt Ion: 63 Resp: 66500
Ion Ratio Lower Upper
63 100
98 8.3 2.9 8.6
100 3.8 2.0 5.8





#27
 cis-1,2-Dichloroethene
 Concen: 1264.266 ug/l
 RT: 7.251 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VN074390.D
 Acq: 09 Sep 2022 22:12

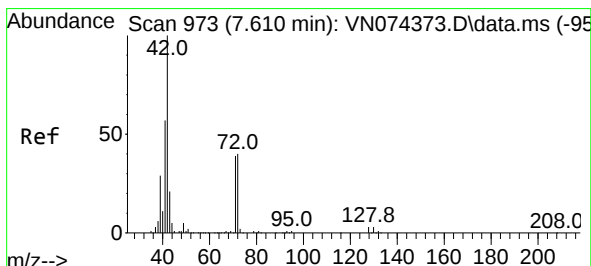
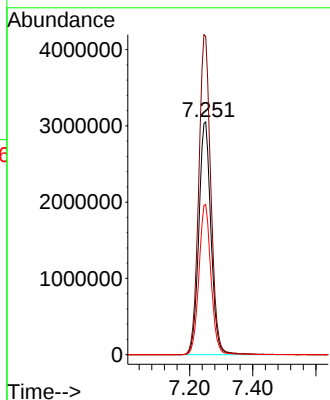
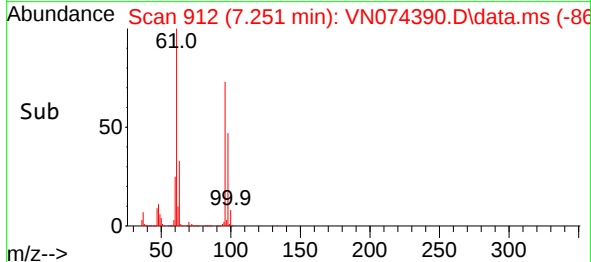
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06-1.5-11.5-083122



Tgt Ion: 96 Resp: 814991
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 306.2
 98 63.9 0.0 129.8

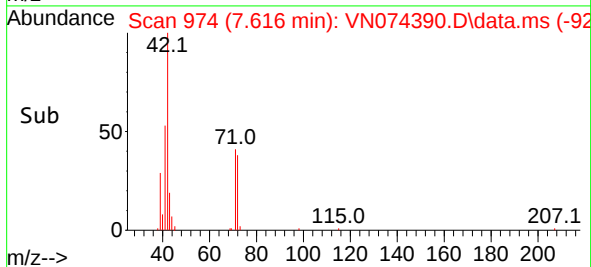
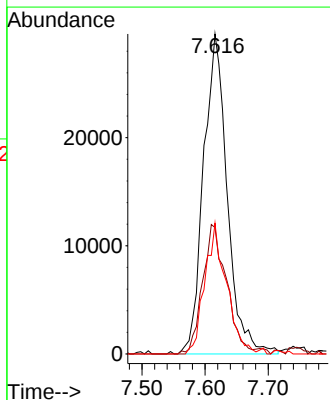
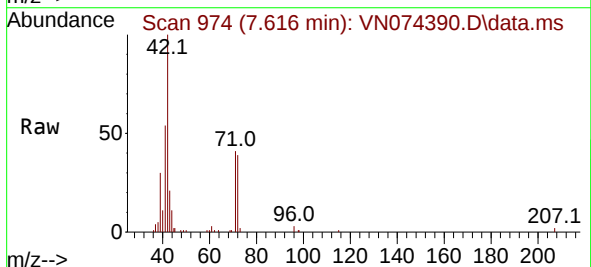
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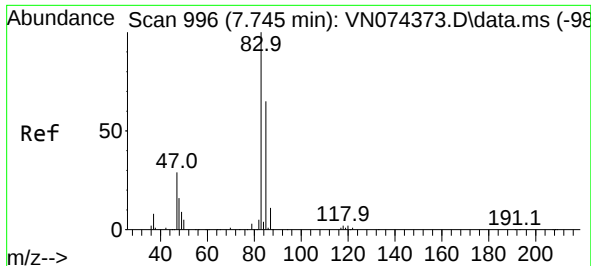
Reviewed By :John Carlone 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022



#29
 Tetrahydrofuran
 Concen: 19.921 ug/l
 RT: 7.616 min Scan# 974
 Delta R.T. 0.006 min
 Lab File: VN074390.D
 Acq: 09 Sep 2022 22:12

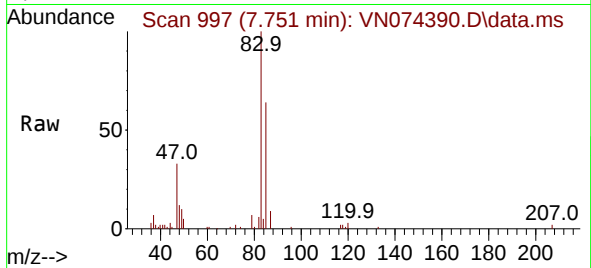
Tgt Ion: 42 Resp: 77341
 Ion Ratio Lower Upper
 42 100
 72 40.5 32.7 49.1
 71 37.3 31.0 46.6





#30
Chloroform
Concen: 7.471 ug/l
RT: 7.751 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

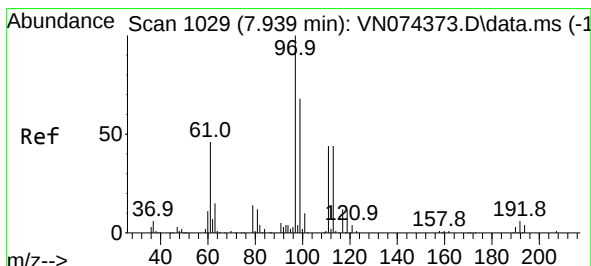
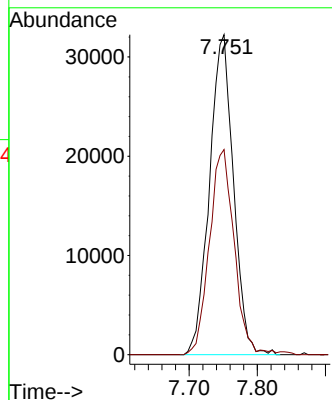
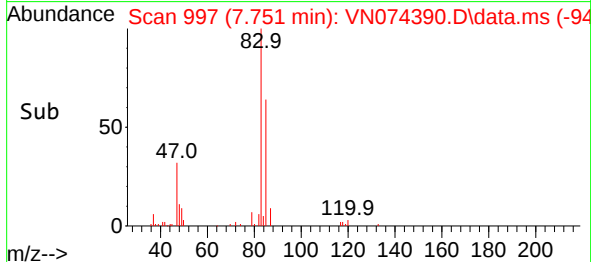
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MW-06-1.5-11.5-083122



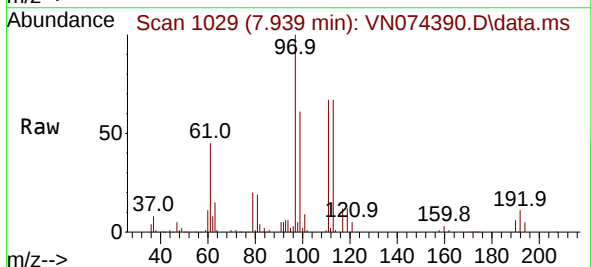
Tgt Ion: 83 Resp: 79020
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6

Manual Integrations
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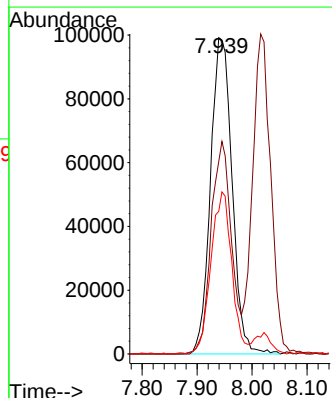
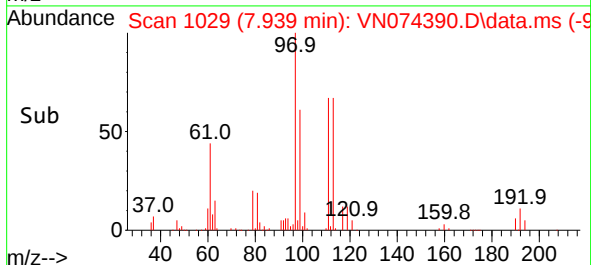
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022

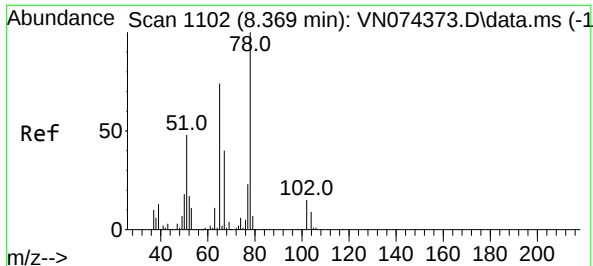


#32
1,1,1-Trichloroethane
Concen: 28.483 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12



Tgt Ion: 97 Resp: 270280
Ion Ratio Lower Upper
97 100
99 63.1 50.2 75.2
61 49.5 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 40.207 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074390.D

Acq: 09 Sep 2022 22:12

Instrument :

MSVOA_N

ClientSampleId :

MW-06-1.5-11.5-083122

Tgt Ion: 65 Resp: 260575

Ion Ratio Lower Upper

65 100

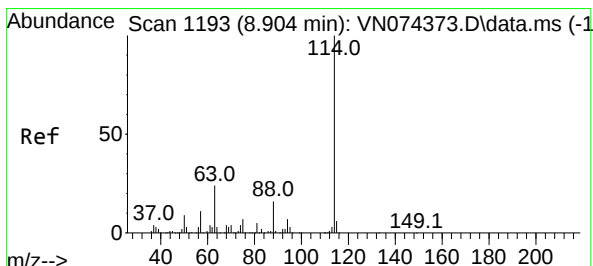
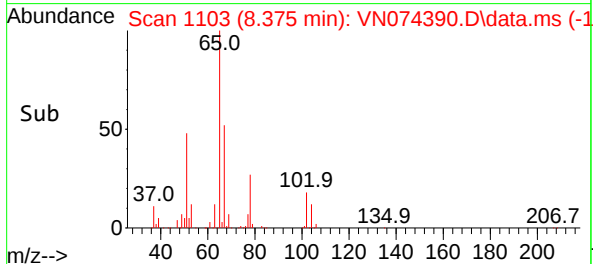
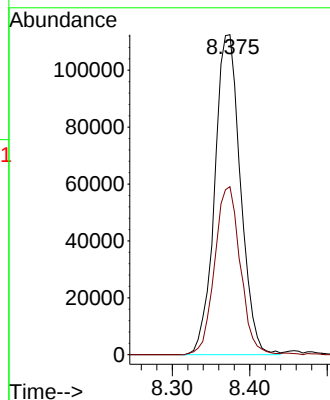
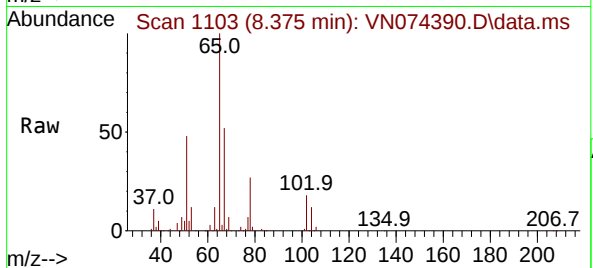
67 52.0 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2022

Supervised By :Mahesh Dadoda 09/12/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.910 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VN074390.D

Acq: 09 Sep 2022 22:12

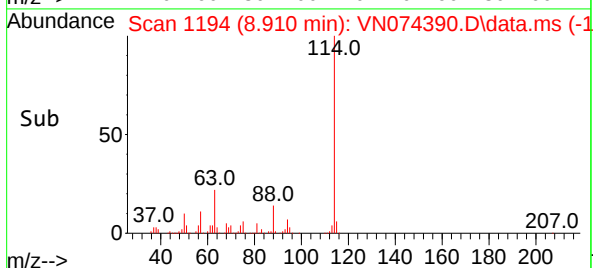
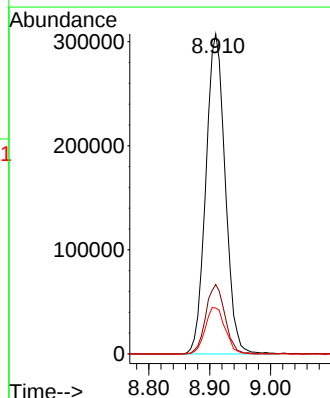
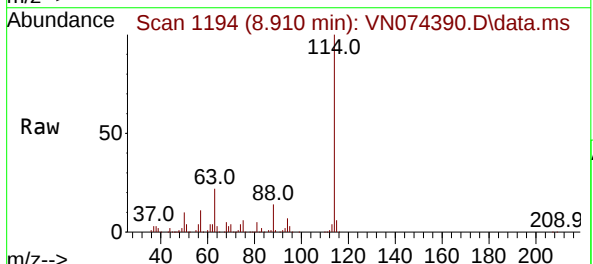
Tgt Ion:114 Resp: 677775

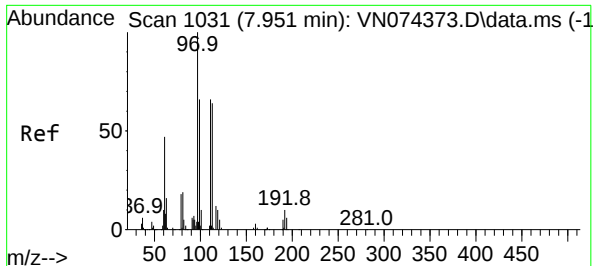
Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.6

88 14.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.152 ug/l

RT: 7.951 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VN074390.D

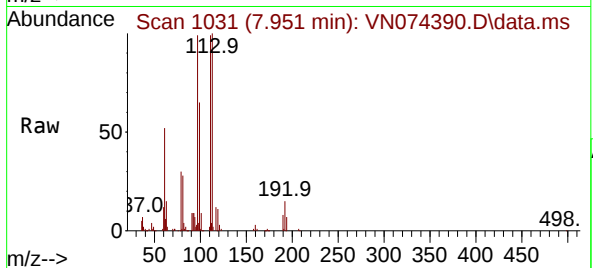
Acq: 09 Sep 2022 22:12

Instrument :

MSVOA_N

ClientSampleId :

MW-06-1.5-11.5-083122



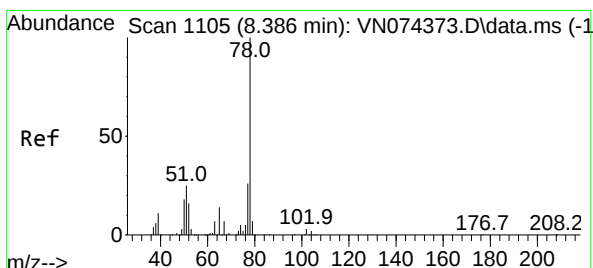
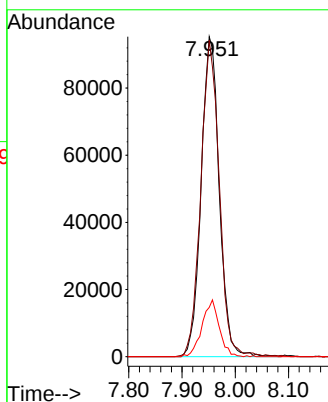
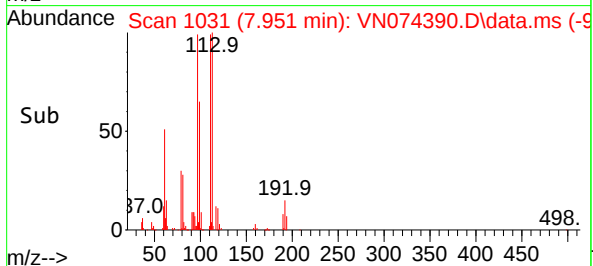
Tgt Ion:	113	Resp:	224904
Ion Ratio	100	Lower	Upper
113	100		
111	101.0	83.0	124.4
192	16.9	13.7	20.5

Manual Integrations

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Reviewed By :John Carlone 09/12/2022

Supervised By :Mahesh Dadoda 09/12/2022



#40

Benzene

Concen: 6.906 ug/l

RT: 8.398 min Scan# 1107

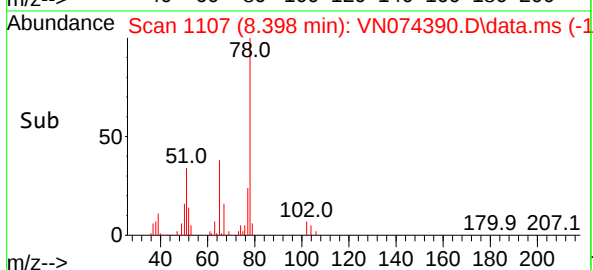
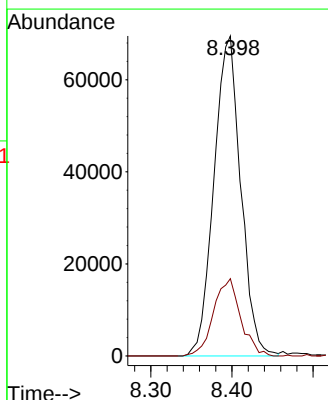
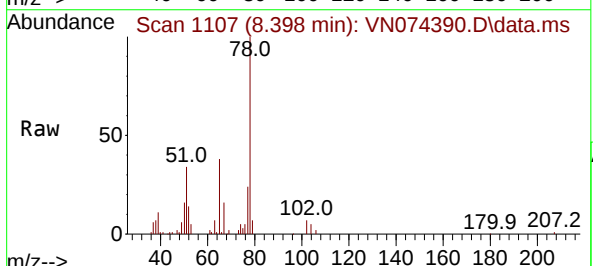
Delta R.T. 0.012 min

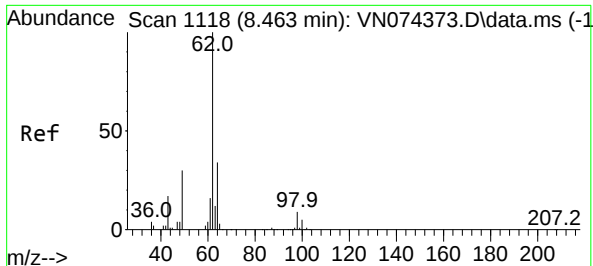
Lab File: VN074390.D

Acq: 09 Sep 2022 22:12

Tgt Ion: 78 Resp: 159387

Ion Ratio	100	Lower	Upper
78	100		
77	24.2	20.6	31.0





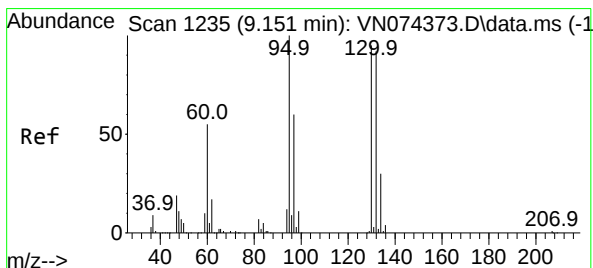
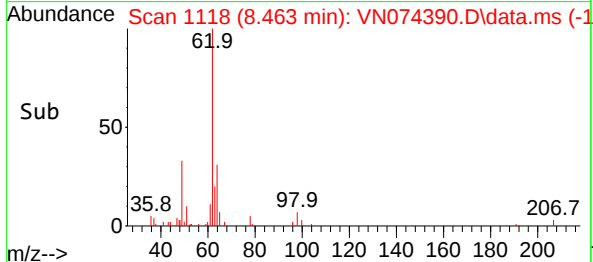
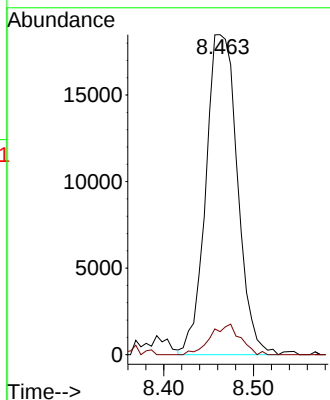
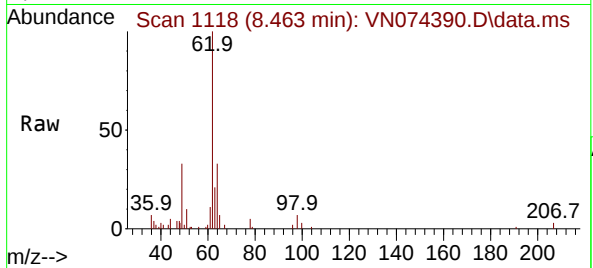
#42
1,2-Dichloroethane
Concen: 5.130 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

Instrument : MSVOA_N
ClientSampleId : MW-06-1.5-11.5-083122

Tgt Ion: 62 Resp: 4526
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.6

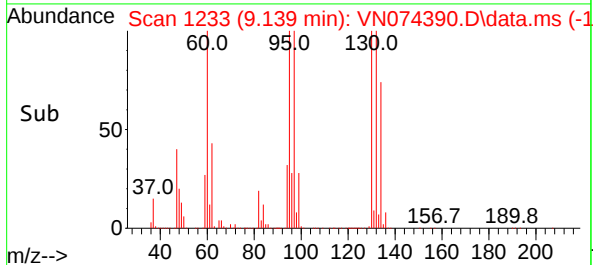
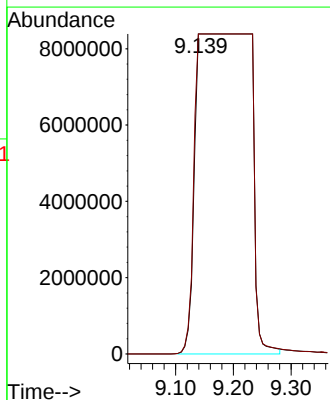
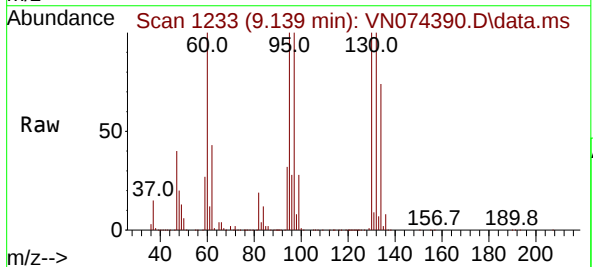
Manual Integrations
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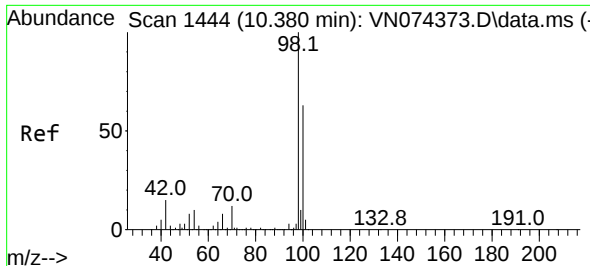
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#44
Trichloroethene
Concen: 10525.665 ug/l m
RT: 9.139 min Scan# 1233
Delta R.T. -0.012 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

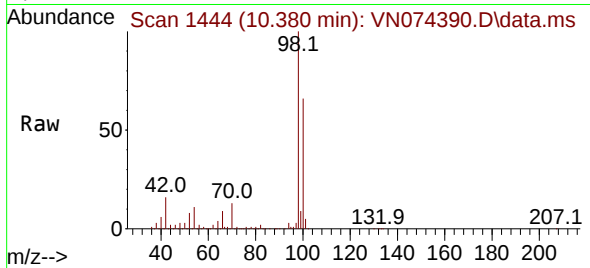
Tgt Ion:130 Resp:54462334
Ion Ratio Lower Upper
130 100
95 100.0 0.0 210.0





#50
Toluene-d8
Concen: 44.560 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

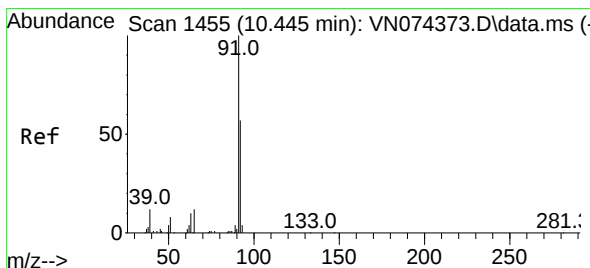
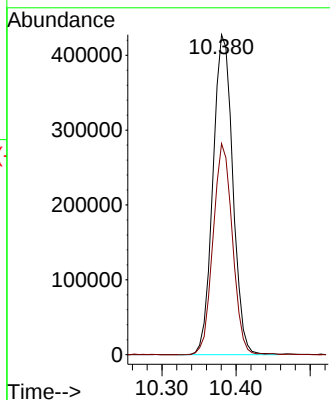
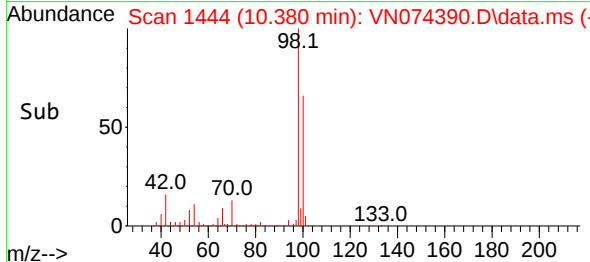
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion: 98 Resp: 794445
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

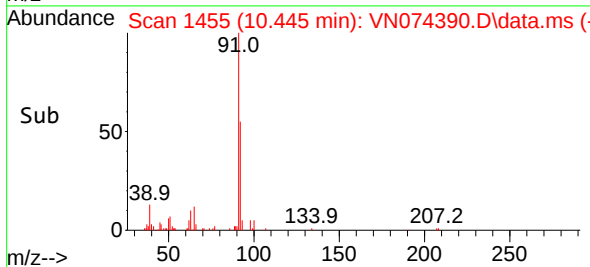
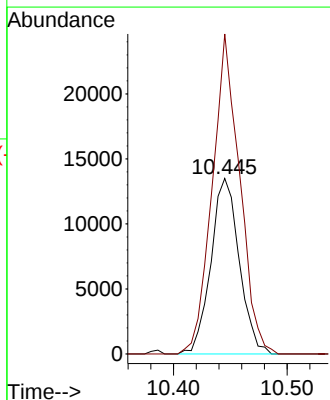
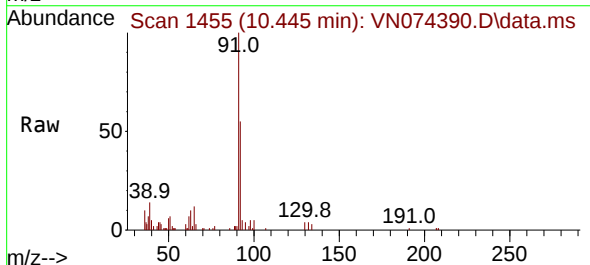
Manual Integrations
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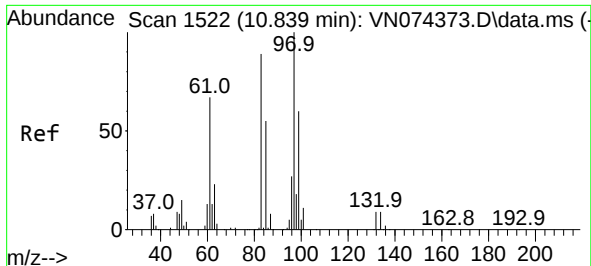
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#52
Toluene
Concen: 1.639 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

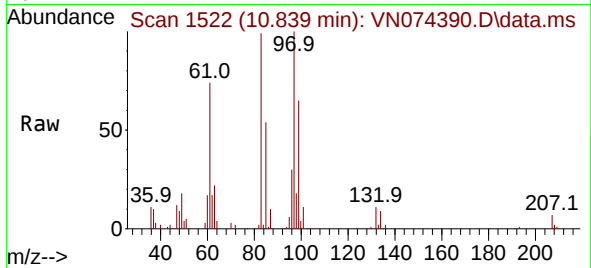
Tgt Ion: 92 Resp: 23394
Ion Ratio Lower Upper
92 100
91 176.4 139.8 209.6





#55
1,1,2-Trichloroethane
Concen: 14.338 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

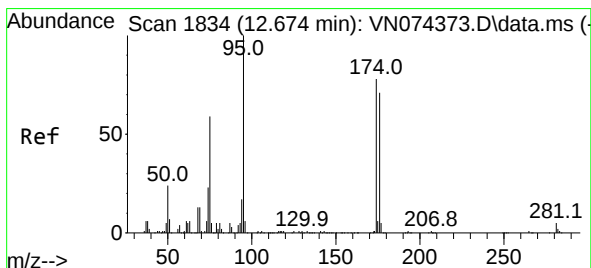
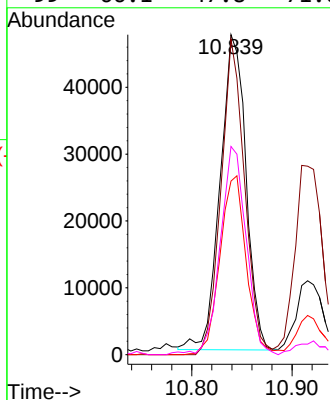
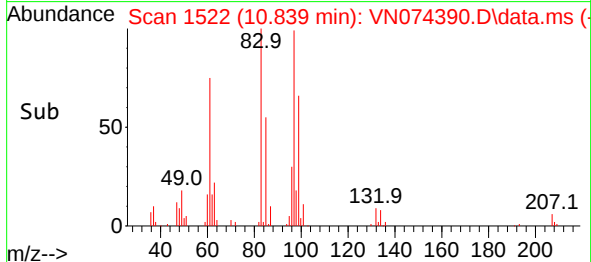
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion	Ratio	Lower	Upper
97	100		
83	100.2	70.8	106.2
85	55.1	44.1	66.1
99	66.1	47.8	71.6

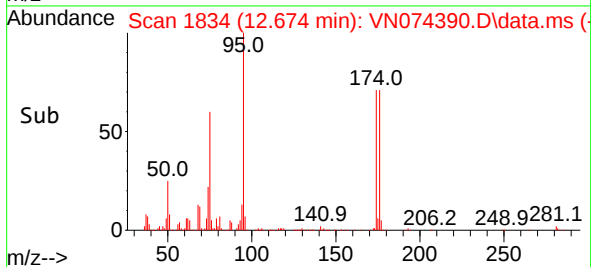
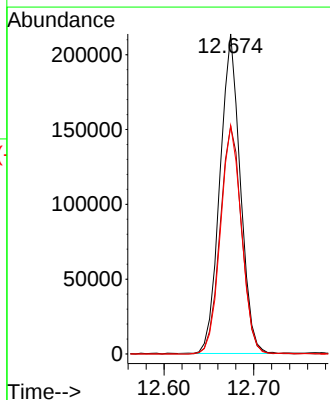
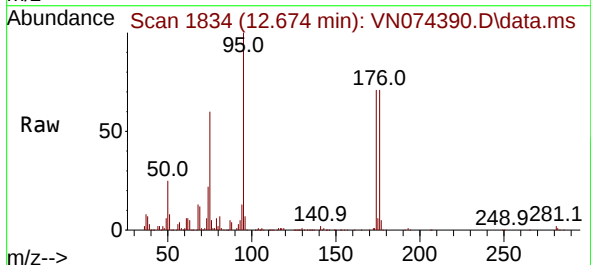
Manual Integrations
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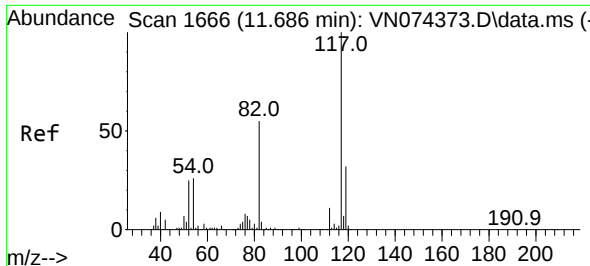
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#62
4-Bromofluorobenzene
Concen: 52.036 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

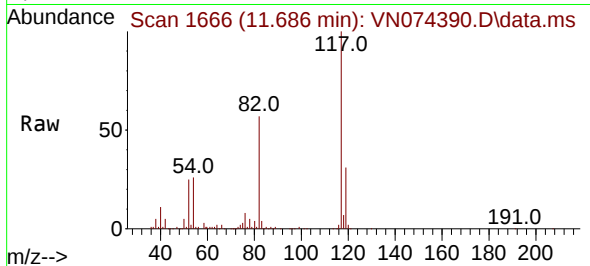
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.6
176	73.6	0.0	143.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

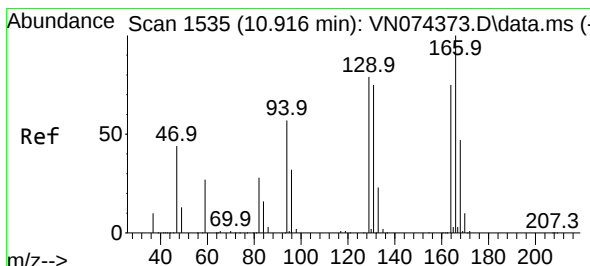
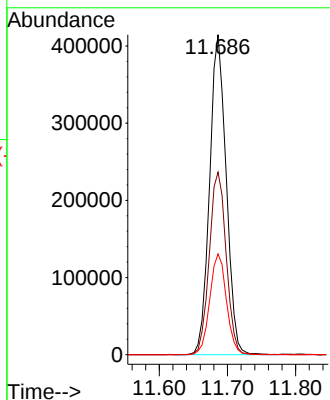
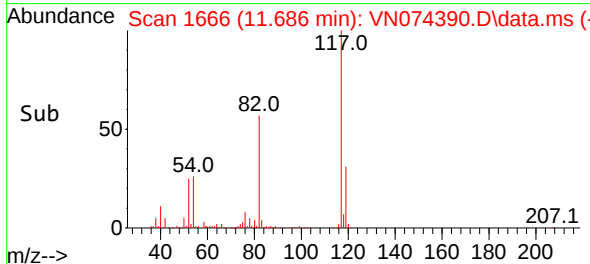
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122



Tgt Ion:117 Resp: 702625
Ion Ratio Lower Upper
117 100
82 57.1 44.3 66.5
119 31.5 25.5 38.3

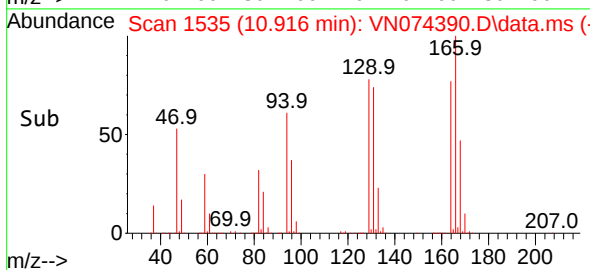
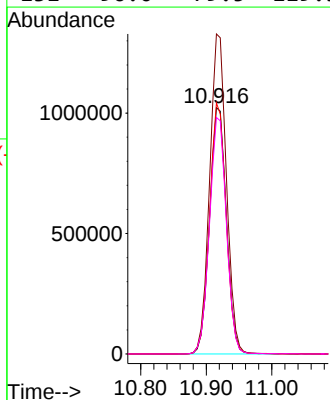
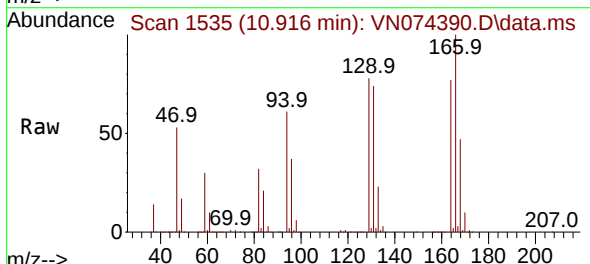
Manual Integrations
APPROVED

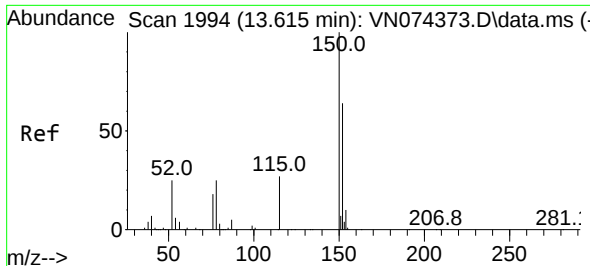
Reviewed By :John Carlone 09/12/2022
Supervised By :Mahesh Dadoda 09/12/2022



#64
Tetrachloroethene
Concen: 384.342 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074390.D
Acq: 09 Sep 2022 22:12

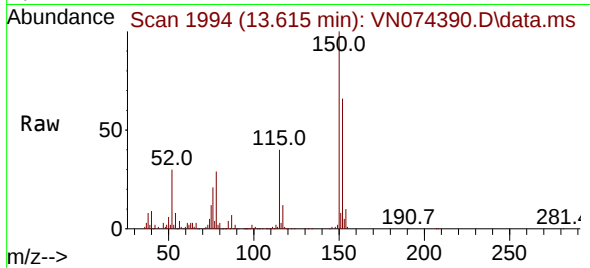
Tgt Ion:164 Resp: 1830679
Ion Ratio Lower Upper
164 100
166 129.9 106.6 160.0
129 101.9 84.0 126.0
131 96.0 79.5 119.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074390.D
 Acq: 09 Sep 2022 22:12

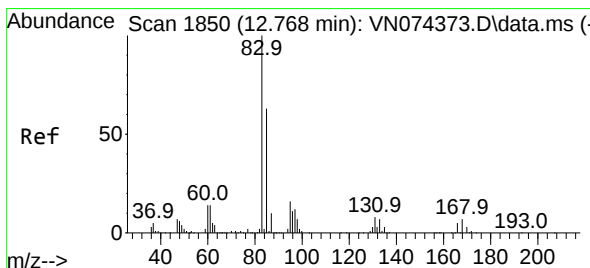
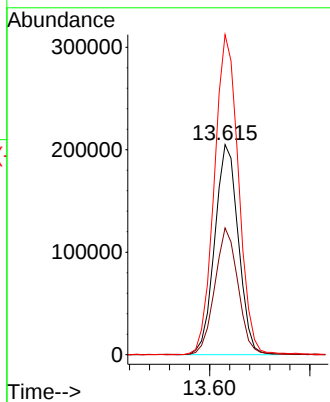
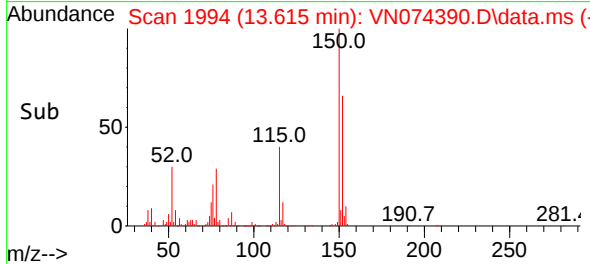
Instrument : MSVOA_N
 ClientSampleId : MW-06-1.5-11.5-083122



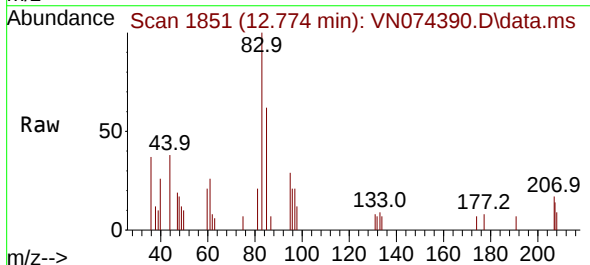
Tgt Ion: 152 Resp: 33514
 Ion Ratio Lower Upper
 152 100
 115 59.6 32.0 96.0
 150 156.6 0.0 359.6

Manual Integrations
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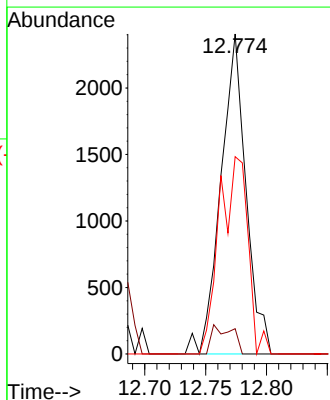
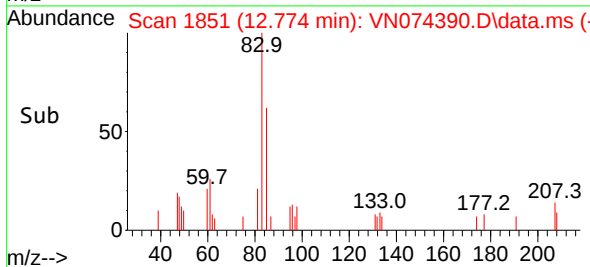
Reviewed By :John Carlone 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

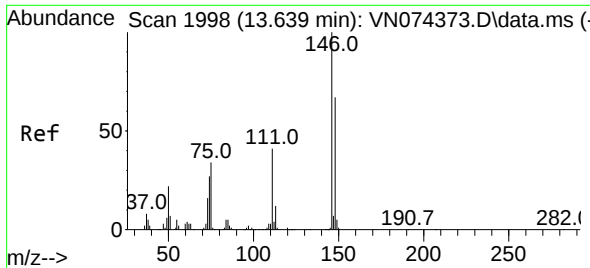


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.286 ug/l
 RT: 12.774 min Scan# 1851
 Delta R.T. 0.006 min
 Lab File: VN074390.D
 Acq: 09 Sep 2022 22:12



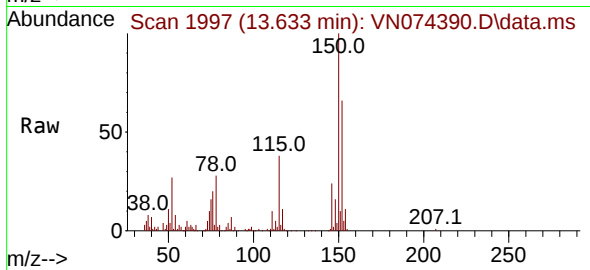
Tgt Ion: 83 Resp: 3461
 Ion Ratio Lower Upper
 83 100
 131 7.4 4.5 13.7
 85 69.6 32.3 96.8





#88
 1,4-Dichlorobenzene
 Concen: 3.183 ug/l
 RT: 13.633 min Scan# 1997
 Delta R.T. -0.006 min
 Lab File: VN074390.D
 Acq: 09 Sep 2022 22:12

Instrument : MSVOA_N
 ClientSampleId : MW-06-1.5-11.5-083122



Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.2	20.8	62.2
148	69.6	32.1	96.5

Manual Integrations
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