

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076970.D
 Acq On : 13 Mar 2023 18:33
 Operator : JC\MD
 Sample : 01880-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20230310

Quant Time: Mar 14 07:06:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	349919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	556259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	482330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	203671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	248013	47.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	8.172	113	178476	48.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.280%		
50) Toluene-d8	10.572	98	647069	47.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.854	95	236661	47.356	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	1598	0.254	ug/l #	60
7) Trichlorofluoromethane	3.519	101	1765	0.215	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.384	101	50659	12.071	ug/l	93
12) 1,1-Dichloroethene	4.354	96	23870	6.171	ug/l	95
24) 1,1-Dichloroethane	6.572	63	6508	0.830	ug/l #	80
27) cis-1,2-Dichloroethene	7.495	96	15192	3.211	ug/l	98
30) Chloroform	7.978	83	3966m	0.471	ug/l	
32) 1,1,1-Trichloroethane	8.166	97	2900	0.367	ug/l #	42
38) Carbon Tetrachloride	8.366	117	2619	0.390	ug/l	97
44) Trichloroethene	9.354	130	2946419	674.576	ug/l	99
49) 1,4-Dioxane	9.707	88	1957	26.060	ug/l #	93
55) 1,1,2-Trichloroethane	11.019	97	2826	0.698	ug/l #	70
64) Tetrachloroethene	11.101	164	19930	5.105	ug/l	93

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

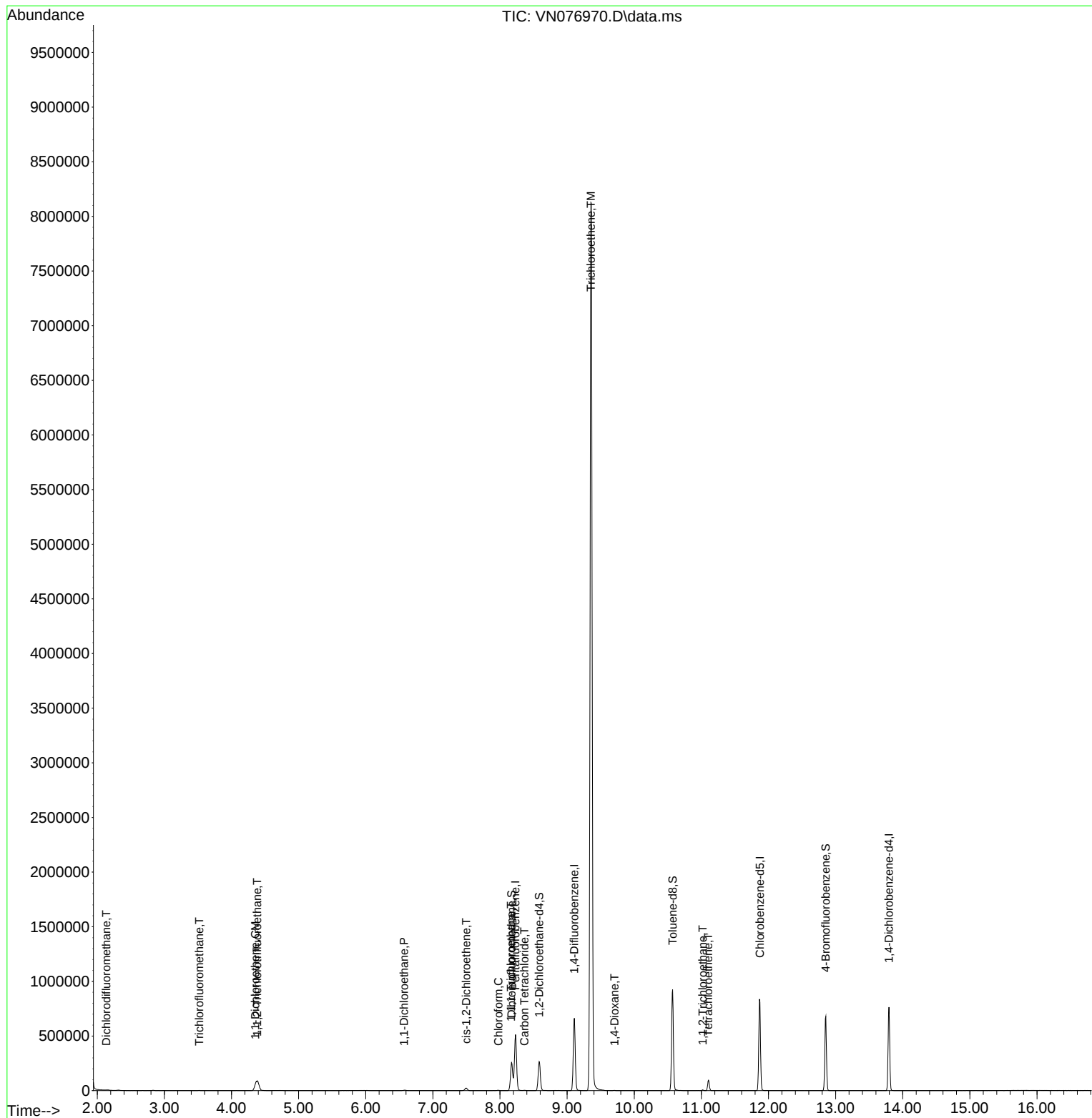
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
Data File : VN076970.D
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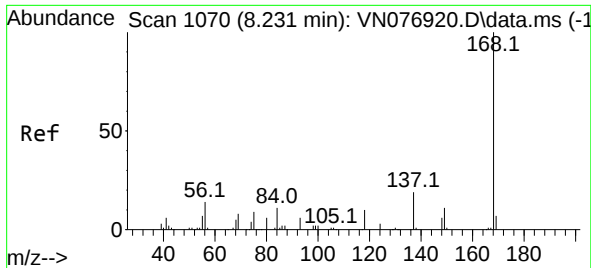
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310

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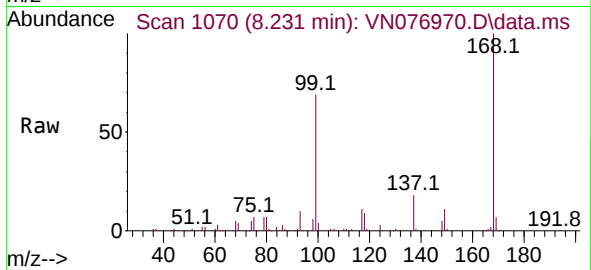
Quant Time: Mar 14 07:06:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

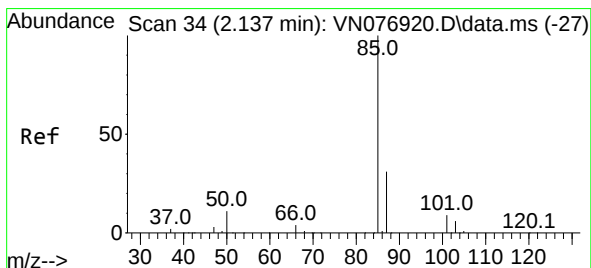
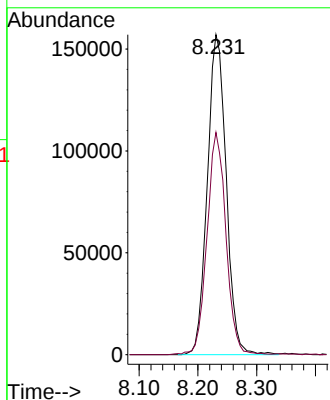
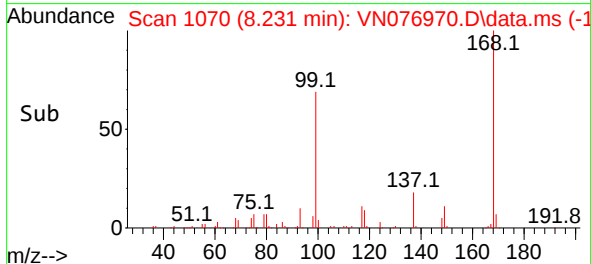
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310



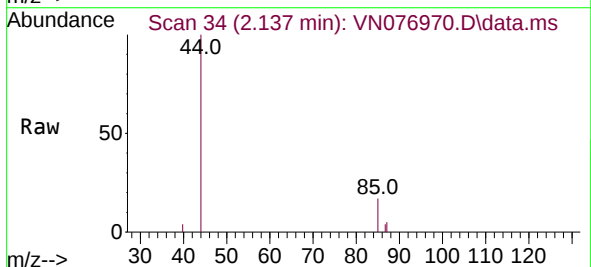
Tgt Ion:168 Resp: 349919
Ion Ratio Lower Upper
168 100
99 69.2 48.6 73.0

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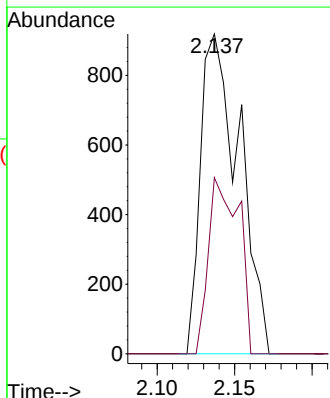
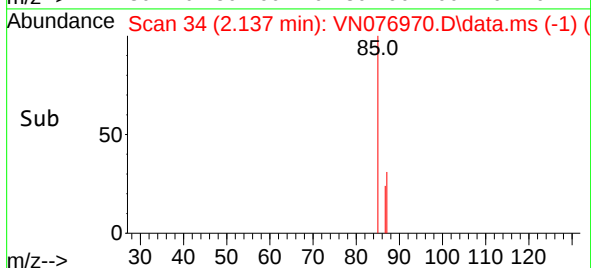
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023

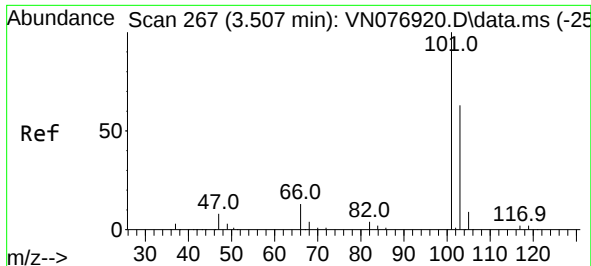


#2
Dichlorodifluoromethane
Concen: 0.254 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33



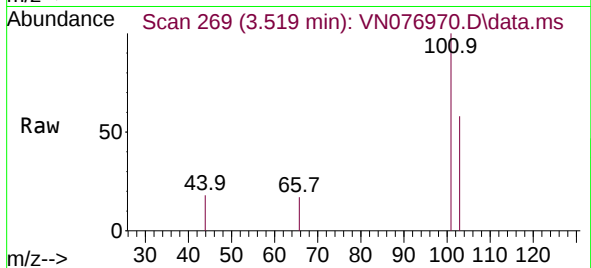
Tgt Ion: 85 Resp: 1598
Ion Ratio Lower Upper
85 100
87 55.1 16.2 48.6#





#7
 Trichlorofluoromethane
 Concen: 0.215 ug/l
 RT: 3.519 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VN076970.D
 Acq: 13 Mar 2023 18:33

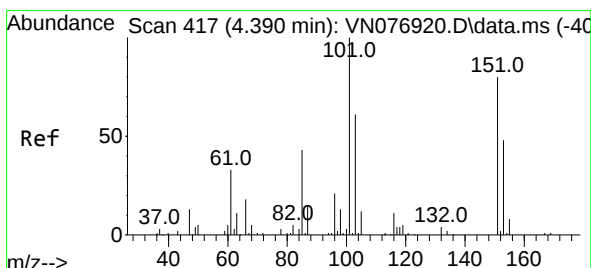
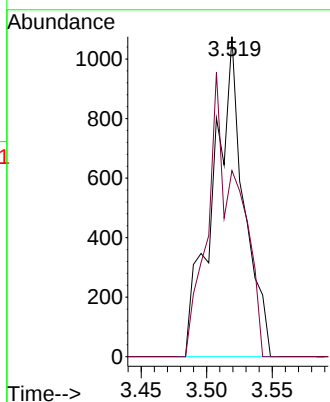
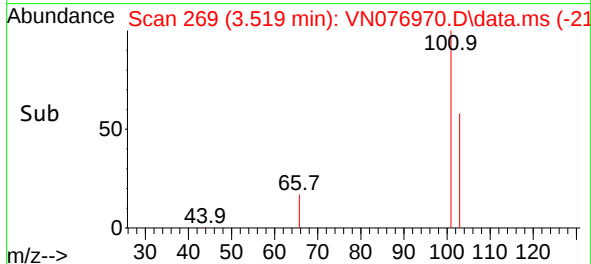
Instrument :
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 RE120D1-20230310



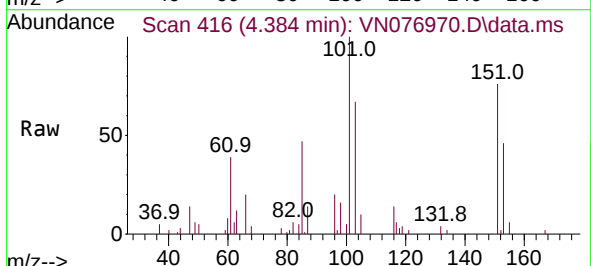
Tgt Ion:101 Resp: 176
 Ion Ratio Lower Upper
 101 100
 103 58.1 53.4 80.0

Manual Integrations
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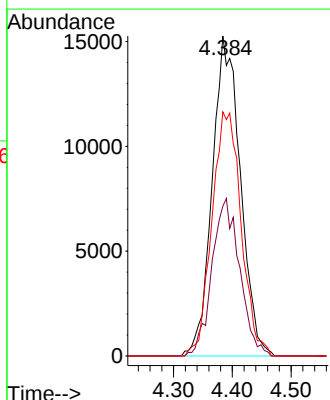
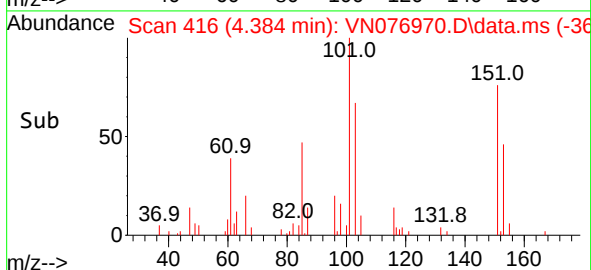
Reviewed By :John Carlone 03/14/2023
 Supervised By :Mahesh Dadoda 03/14/2023

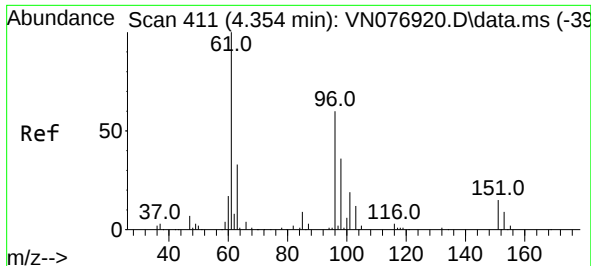


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.071 ug/l
 RT: 4.384 min Scan# 416
 Delta R.T. -0.006 min
 Lab File: VN076970.D
 Acq: 13 Mar 2023 18:33



Tgt Ion:101 Resp: 50659
 Ion Ratio Lower Upper
 101 100
 85 48.6 35.2 52.8
 151 79.3 58.9 88.3





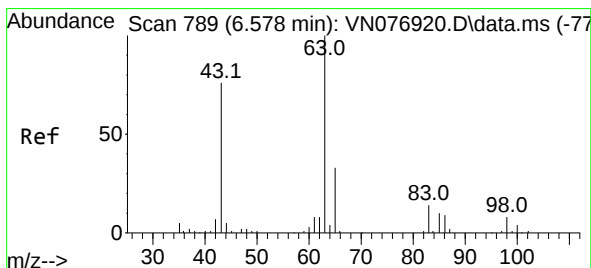
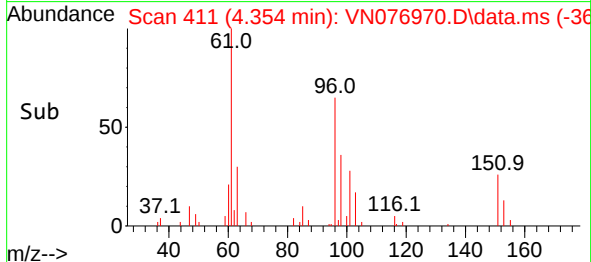
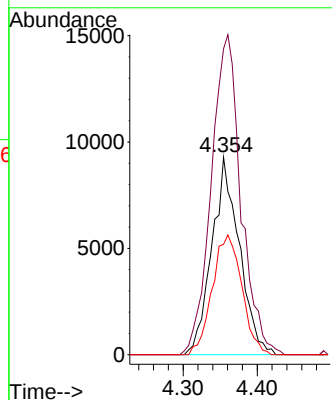
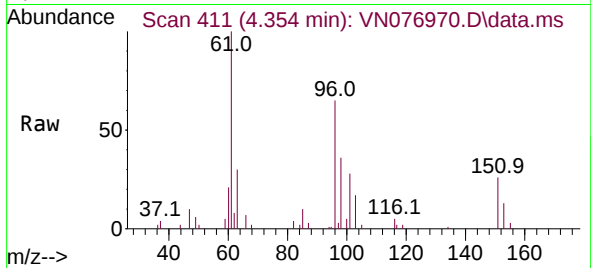
#12
1,1-Dichloroethene
Concen: 6.171 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310

Tgt Ion: 96 Resp: 23870
Ion Ratio Lower Upper
96 100
61 154.9 121.3 181.9
98 55.9 52.1 78.1

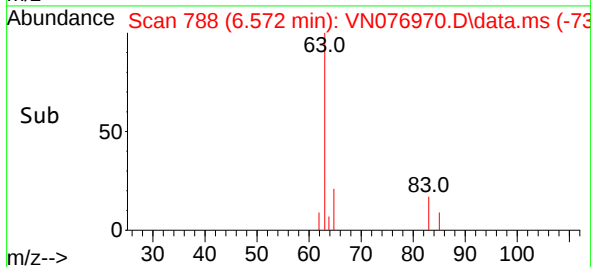
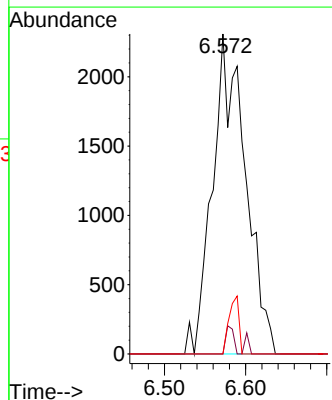
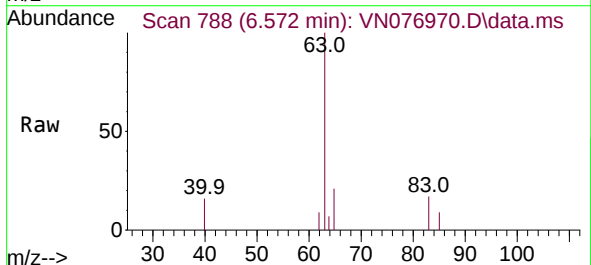
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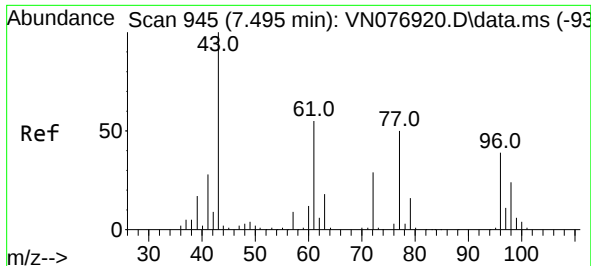
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023



#24
1,1-Dichloroethane
Concen: 0.830 ug/l
RT: 6.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

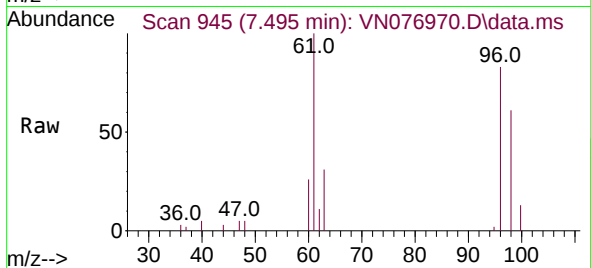
Tgt Ion: 63 Resp: 6508
Ion Ratio Lower Upper
63 100
98 0.0 4.2 12.6#
100 0.0 2.2 6.6#





#27
cis-1,2-Dichloroethene
Concen: 3.211 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

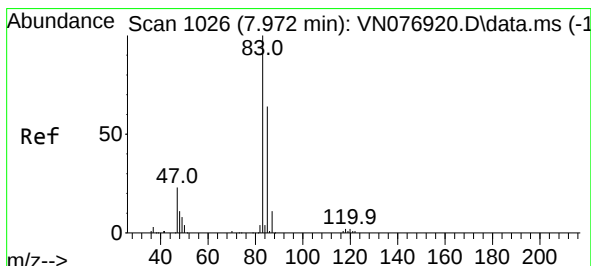
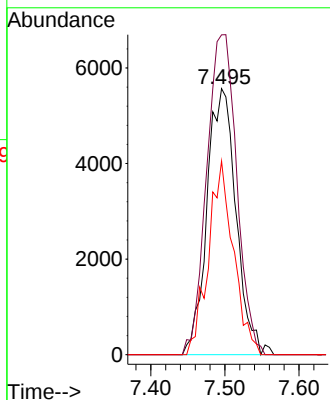
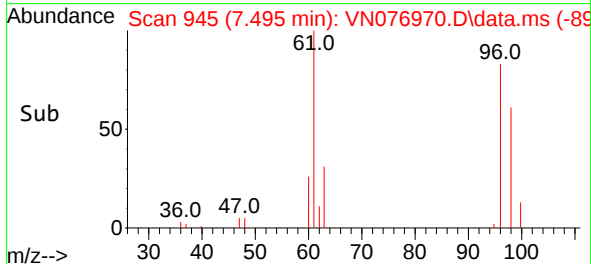
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310



Tgt Ion: 96 Resp: 1519
Ion Ratio Lower Upper
96 100
61 124.4 0.0 255.6
98 62.7 0.0 127.4

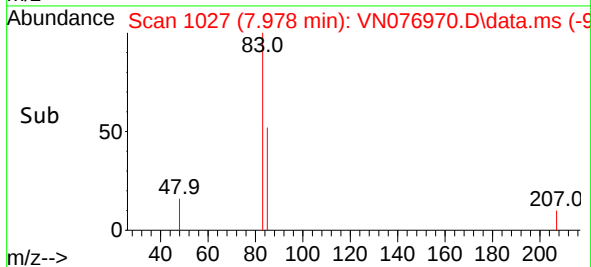
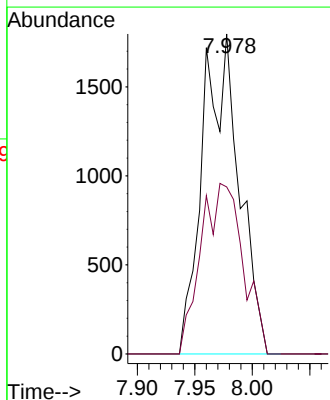
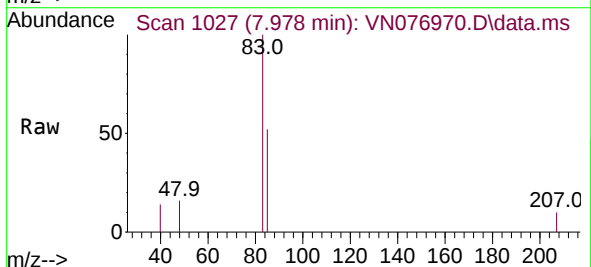
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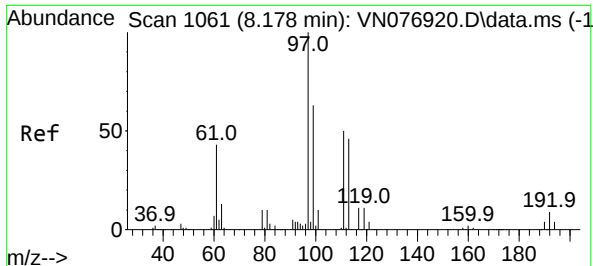
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023



#30
Chloroform
Concen: 0.471 ug/l m
RT: 7.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 83 Resp: 3966
Ion Ratio Lower Upper
83 100
85 52.2 51.3 76.9





#32

1,1,1-Trichloroethane

Concen: 0.367 ug/l

RT: 8.166 min Scan# 1059

Delta R.T. -0.012 min

Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20230310

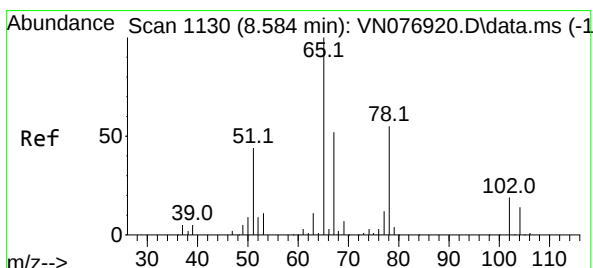
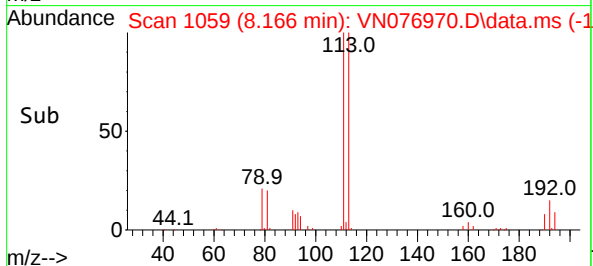
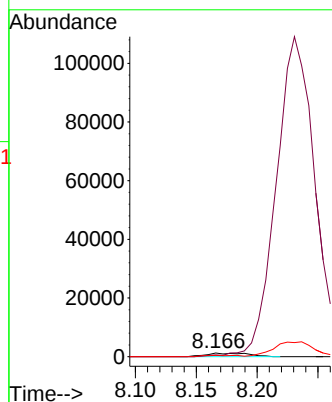
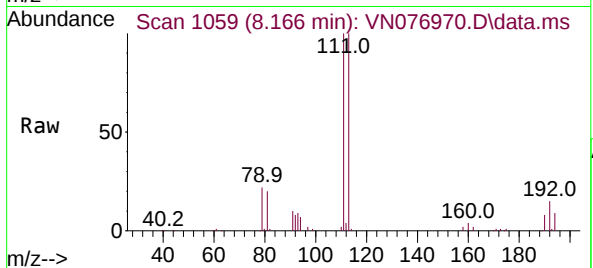
Tgt Ion:	97	Resp:	2900
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.2	76.8
61	29.0	35.7	53.5

Manual Integrations

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Supervised By :Mahesh Dadoda 03/14/2023



#33

1,2-Dichloroethane-d4

Concen: 47.496 ug/l

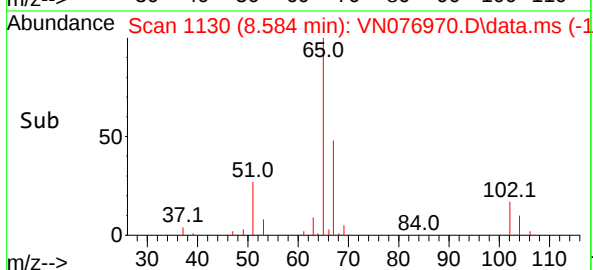
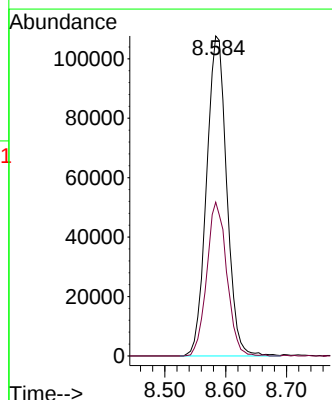
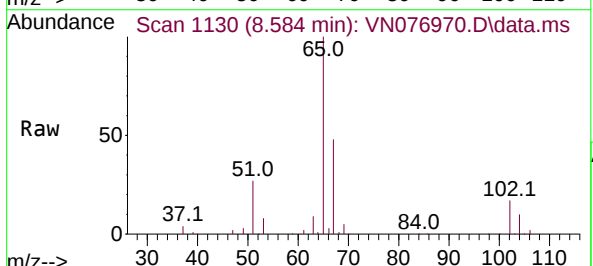
RT: 8.584 min Scan# 1130

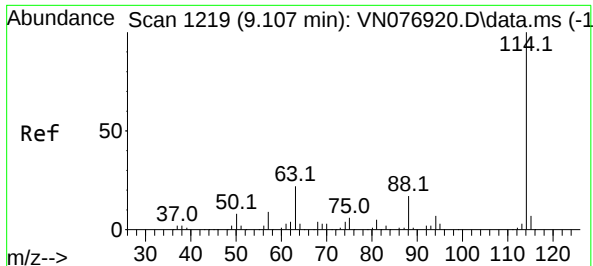
Delta R.T. -0.000 min

Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	65	Resp:	248013
Ion Ratio	Lower	Upper	
65	100		
67	47.7	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20230310

Tgt Ion:114 Resp: 55625

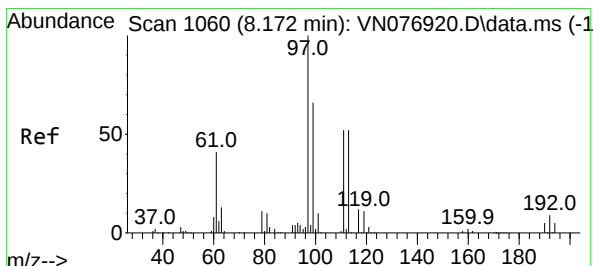
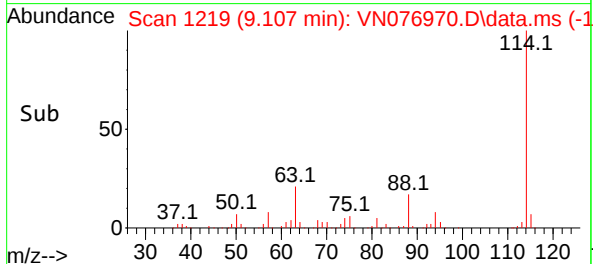
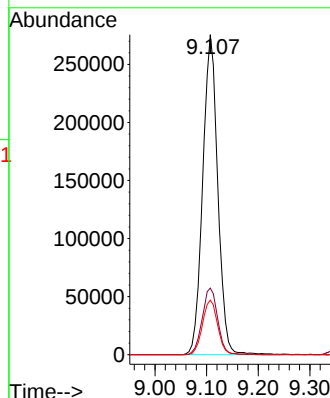
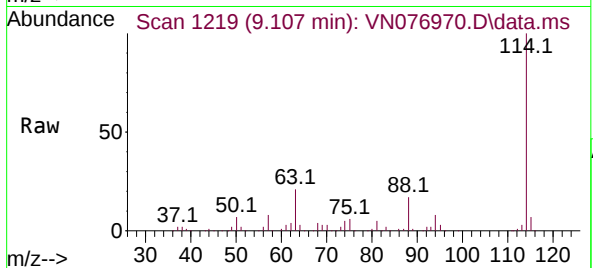
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	36.6
88	17.1	0.0	28.6

Manual Integrations

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Supervised By :Mahesh Dadoda 03/14/2023



#35

Dibromofluoromethane

Concen: 48.142 ug/l

RT: 8.172 min Scan# 1060

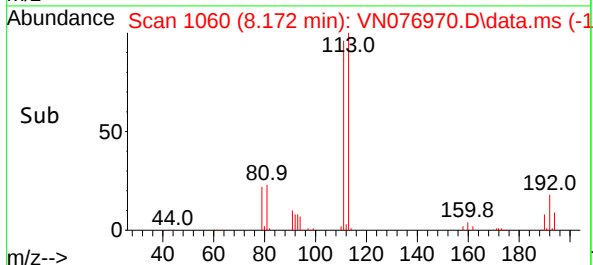
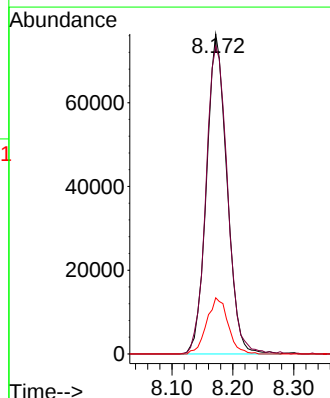
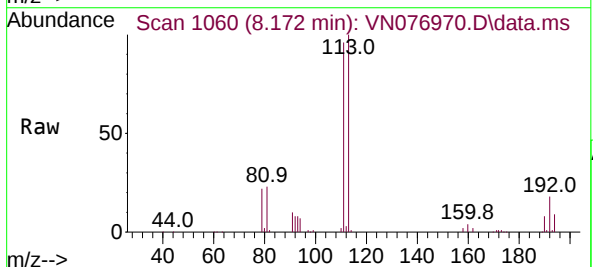
Delta R.T. -0.000 min

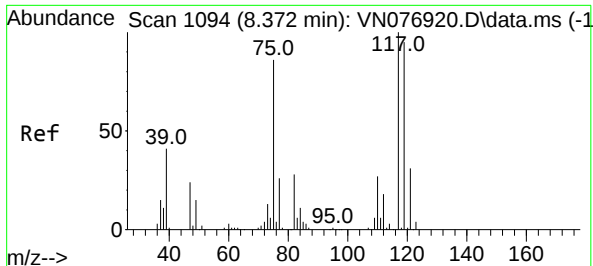
Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Tgt Ion:113 Resp: 178476

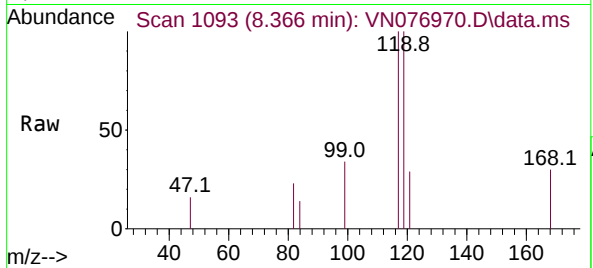
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	18.3	13.9	20.9





#38
Carbon Tetrachloride
Concen: 0.390 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

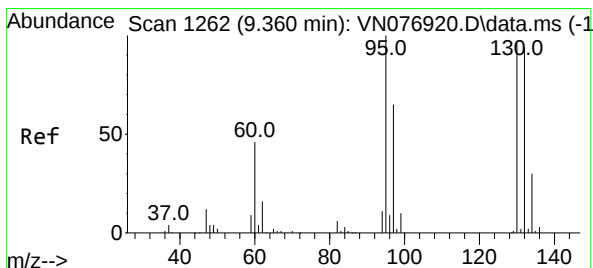
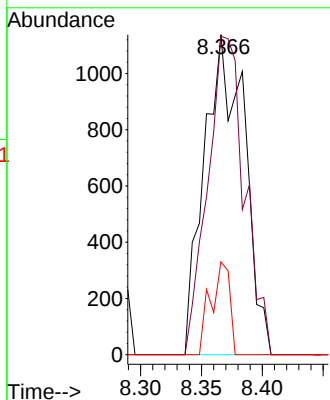
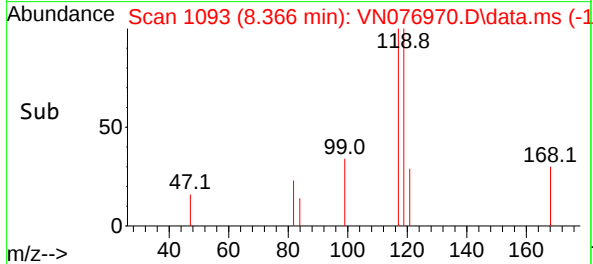
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310



Tgt Ion:117 Resp: 2619
Ion Ratio Lower Upper
117 100
119 99.6 76.9 115.3
121 29.0 23.2 34.8

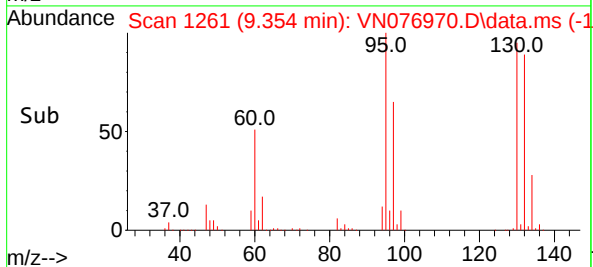
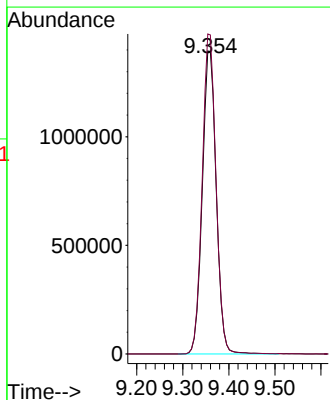
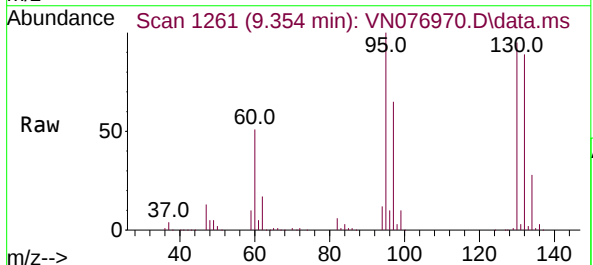
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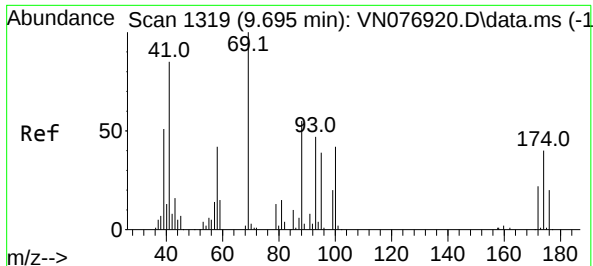
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023



#44
Trichloroethene
Concen: 674.576 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

Tgt Ion:130 Resp: 2946419
Ion Ratio Lower Upper
130 100
95 105.6 0.0 208.6





#49

1,4-Dioxane

Concen: 26.060 ug/l

RT: 9.707 min Scan# 1319

Delta R.T. 0.012 min

Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20230310

Tgt Ion: 88 Resp: 195

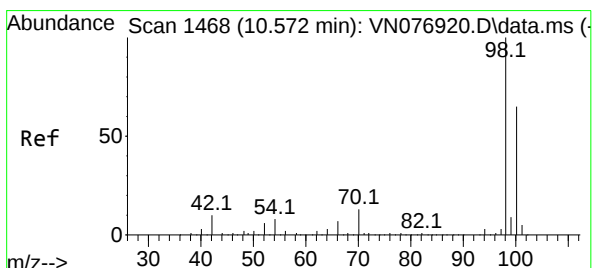
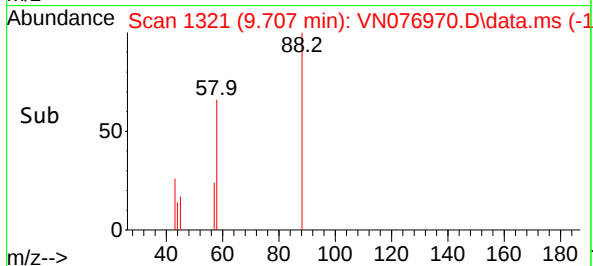
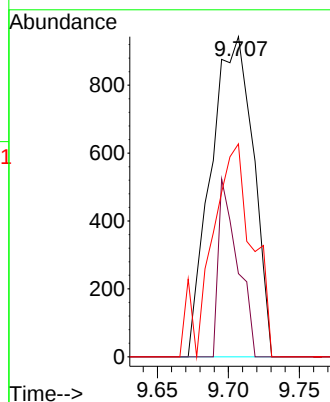
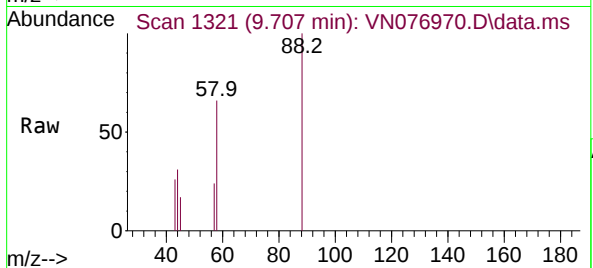
Ion	Ratio	Lower	Upper
88	100		
43	25.1	15.3	22.9
58	63.7	47.6	71.4

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Reviewed By :John Carlone 03/14/2023

Supervised By :Mahesh Dadoda 03/14/2023



#50

Toluene-d8

Concen: 47.359 ug/l

RT: 10.572 min Scan# 1468

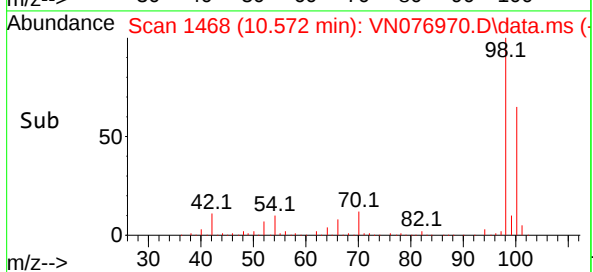
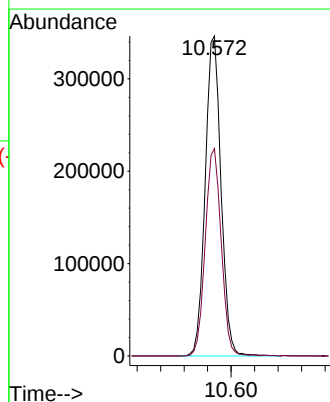
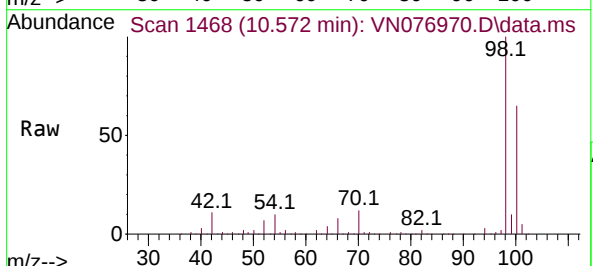
Delta R.T. -0.000 min

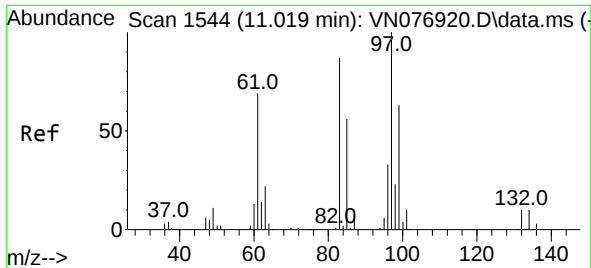
Lab File: VN076970.D

Acq: 13 Mar 2023 18:33

Tgt Ion: 98 Resp: 647069

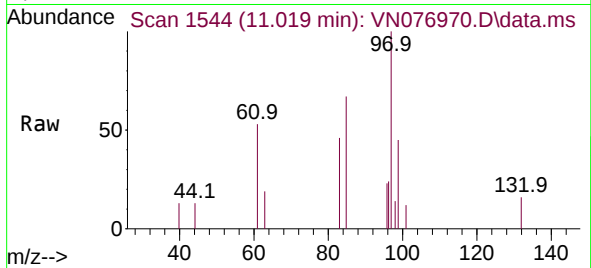
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





#55
1,1,2-Trichloroethane
Concen: 0.698 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310

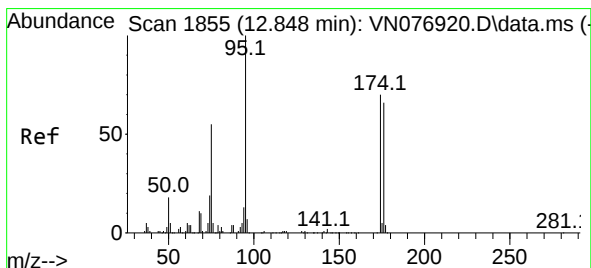
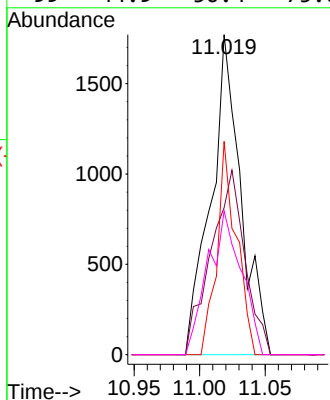
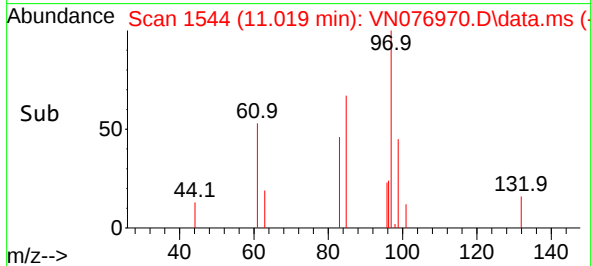


Tgt Ion: 97 Resp: 2820

Ion	Ratio	Lower	Upper
97	100		
83	46.0	67.1	100.7
85	66.6	41.8	62.8
99	44.9	50.4	75.6

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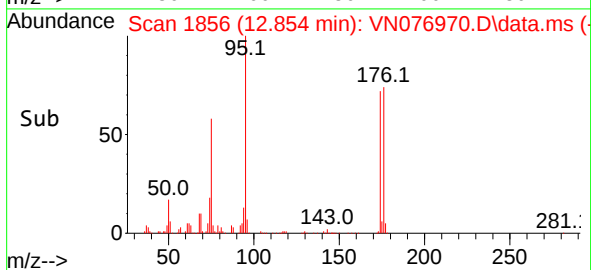
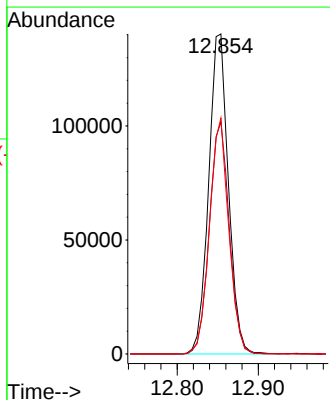
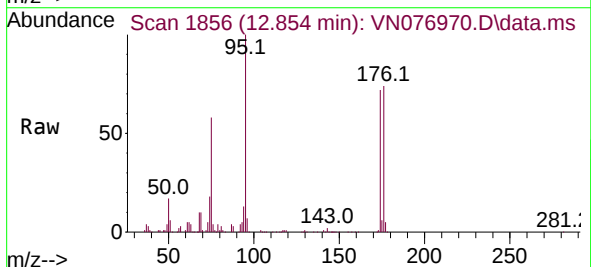
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023

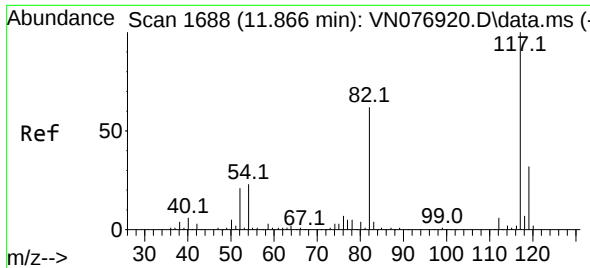


#62
4-Bromofluorobenzene
Concen: 47.356 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 95 Resp: 236661

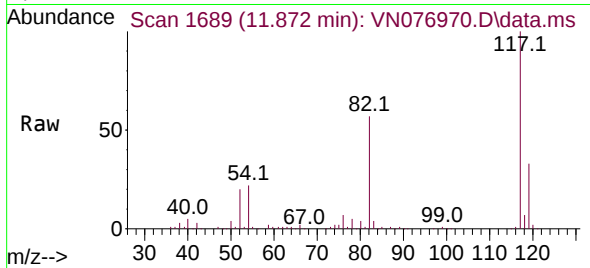
Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	162.4
176	71.6	0.0	157.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11872
Delta R.T. 0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

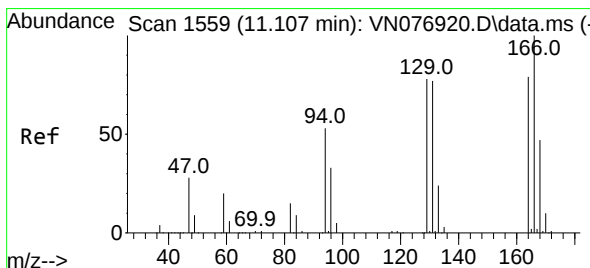
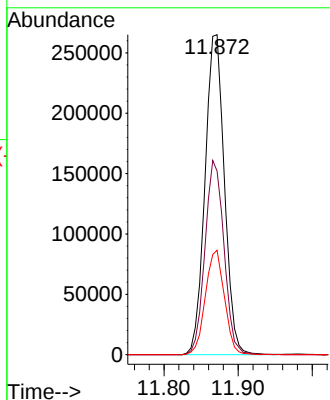
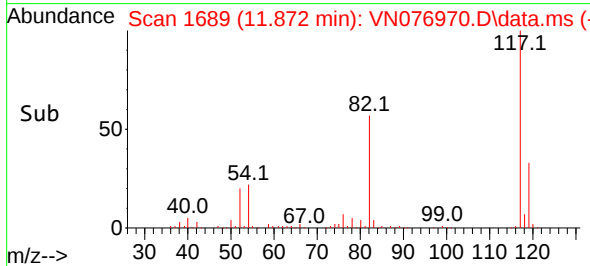
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230310



Tgt Ion:117 Resp: 482330
Ion Ratio Lower Upper
117 100
82 57.4 43.5 65.3
119 32.6 25.5 38.3

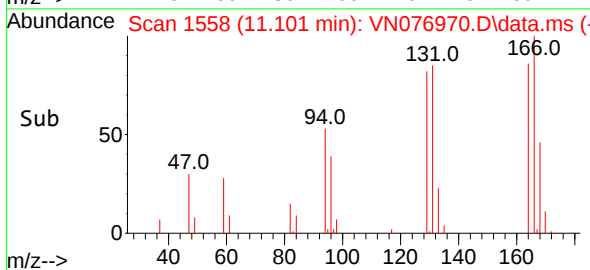
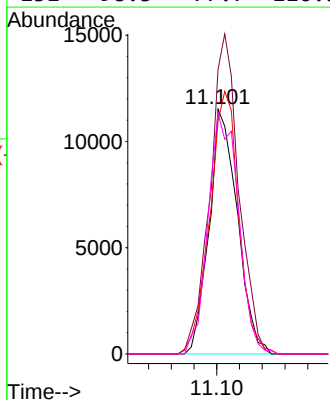
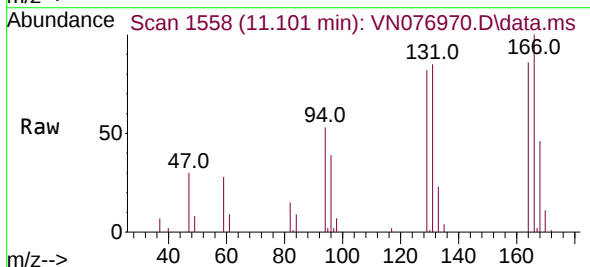
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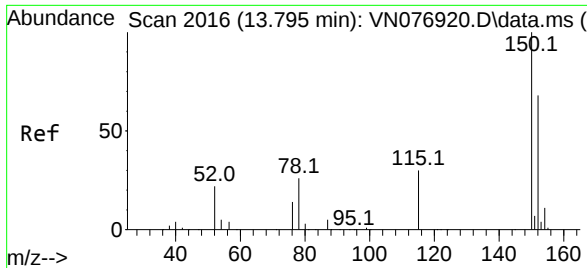
Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023



#64
Tetrachloroethene
Concen: 5.105 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN076970.D
Acq: 13 Mar 2023 18:33

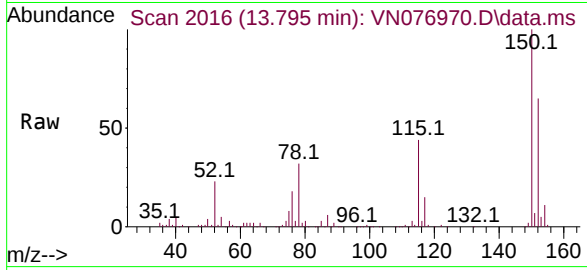
Tgt Ion:164 Resp: 19930
Ion Ratio Lower Upper
164 100
166 116.3 102.7 154.1
129 95.2 81.5 122.3
131 98.3 77.7 116.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN076970.D
 Acq: 13 Mar 2023 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20230310



Tgt Ion:152 Resp: 20367
 Ion Ratio Lower Upper
 152 100
 115 65.3 30.3 90.9
 150 153.5 0.0 353.6

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Reviewed By :John Carlone 03/14/2023
 Supervised By :Mahesh Dadoda 03/14/2023

