

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069715.D
 Acq On : 3 Dec 2021 13:26
 Operator : JC/MD
 Sample : M4922-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20211129

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/04/2021
 Supervised By :Mahesh Dadoda 12/06/2021

Quant Time: Dec 04 05:31:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1328655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2289344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2338644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	859080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	983913	47.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.92%		
35) Dibromofluoromethane	8.024	113	684387	47.73	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.46%		
50) Toluene-d8	10.443	98	2905014	50.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.90%		
62) 4-Bromofluorobenzene	12.733	95	1055017	50.58	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	4313	0.28	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.213	101	56957	4.34	ug/l #	84
12) 1,1-Dichloroethene	4.175	96	10177m	0.80	ug/l	
19) Methyl tert-butyl Ether	5.624	73	47960	0.97	ug/l	97
22) Diisopropyl ether	6.501	45	29925	0.54	ug/l	93
24) 1,1-Dichloroethane	6.391	63	14858	0.51	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	29035	1.75	ug/l	97
30) Chloroform	7.823	83	49814	1.71	ug/l	98
44) Trichloroethene	9.217	130	1569111	98.69	ug/l	91
64) Tetrachloroethene	10.977	164	37994	2.40	ug/l	96
93) 1,2,4-Trichlorobenzene	15.265	180	4308	3.17	ug/l	97
95) Naphthalene	15.509	128	21642	4.46	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.700	180	5150	2.79	ug/l	94

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

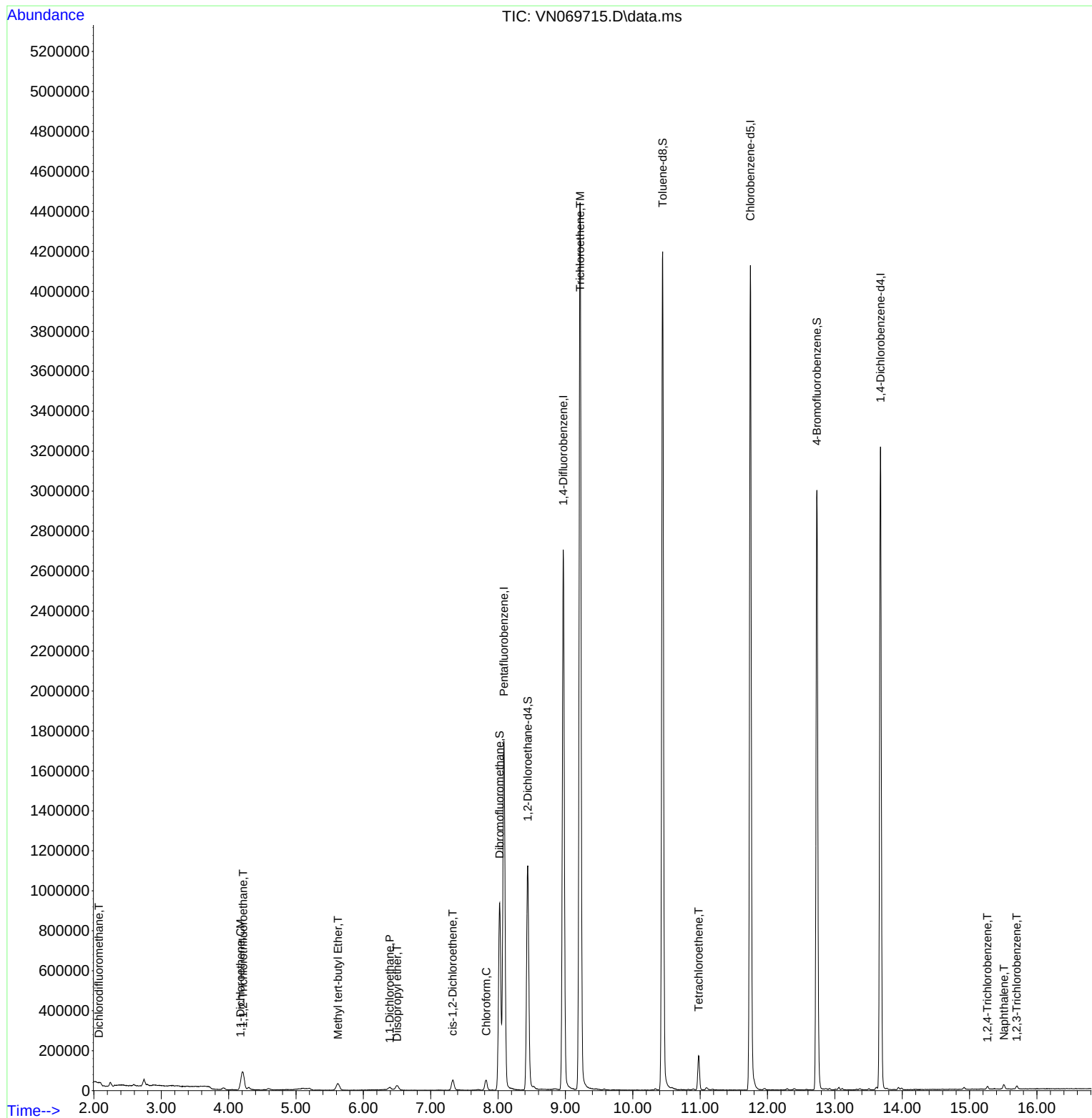
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
Data File : VN069715.D
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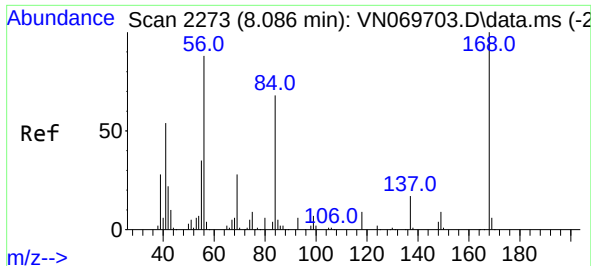
Instrument :
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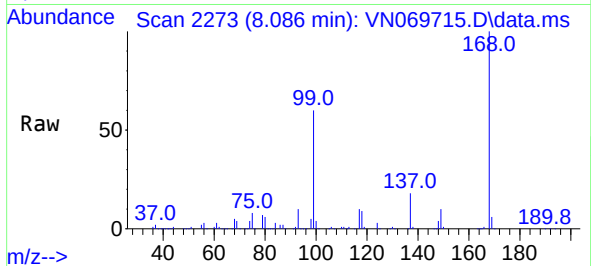
Quant Time: Dec 04 05:31:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

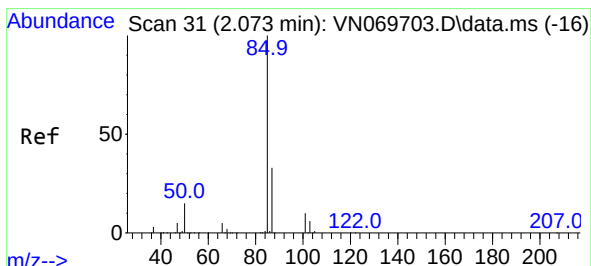
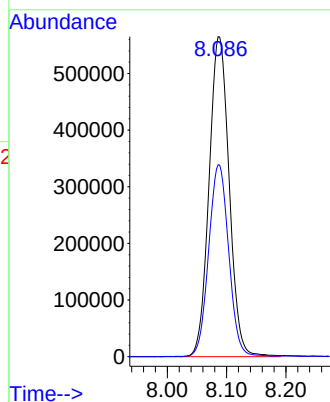
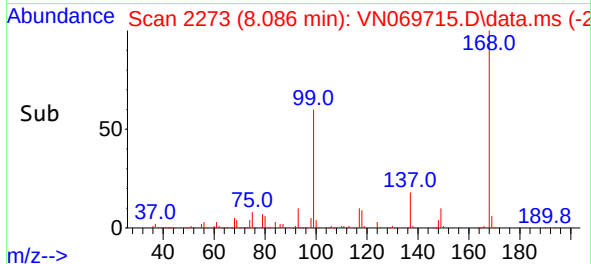
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



Tgt Ion:168 Resp: 132865
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9

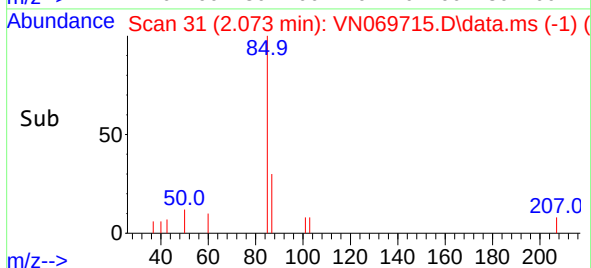
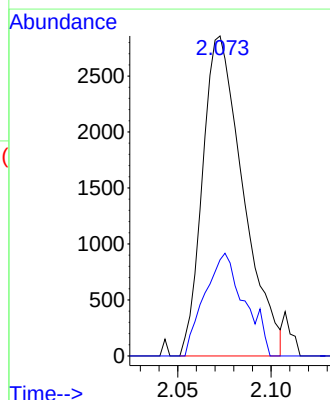
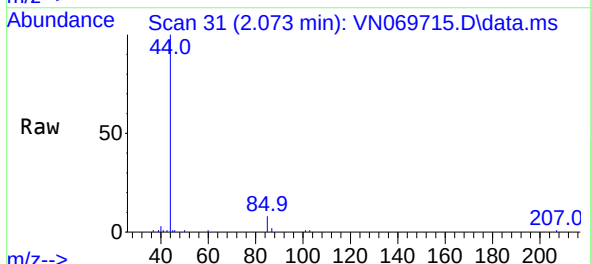
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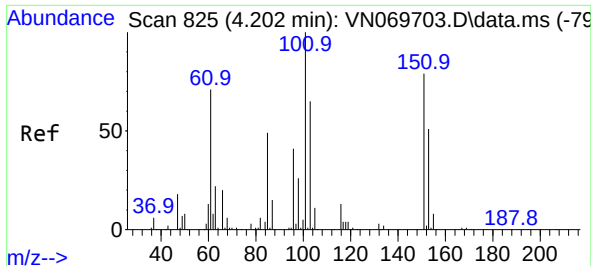
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021



#2
Dichlorodifluoromethane
Concen: 0.28 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

Tgt Ion: 85 Resp: 4313
Ion Ratio Lower Upper
85 100
87 30.1 16.3 48.9





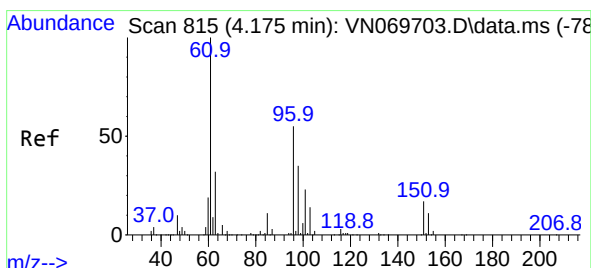
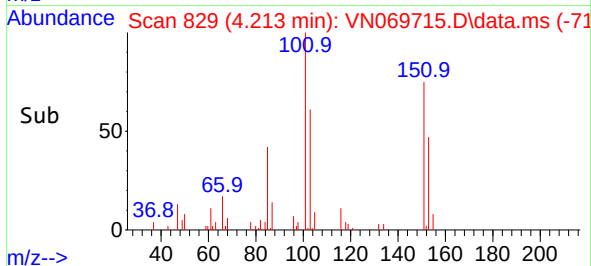
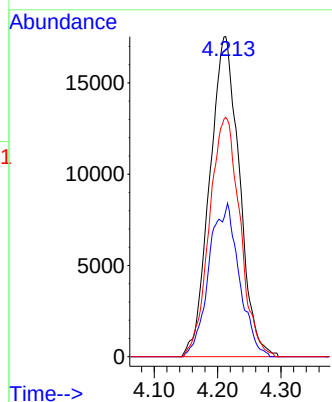
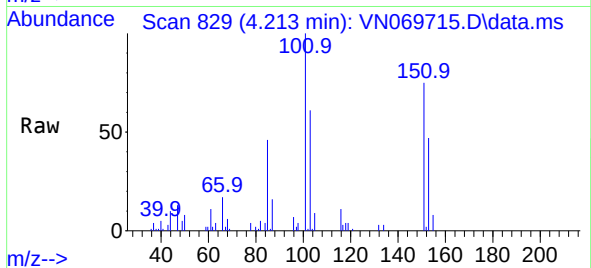
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.34 ug/l
RT: 4.213 min Scan# 81
Delta R.T. 0.011 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 5695
Ion Ratio Lower Upper
101 100
85 23.3 37.2 55.8
151 77.3 65.9 98.9

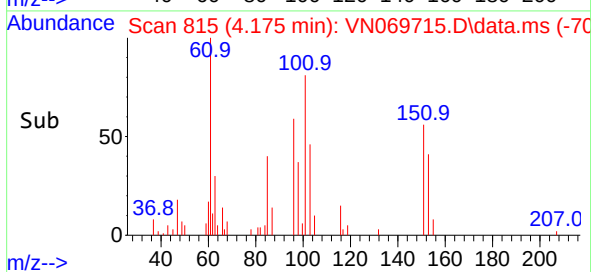
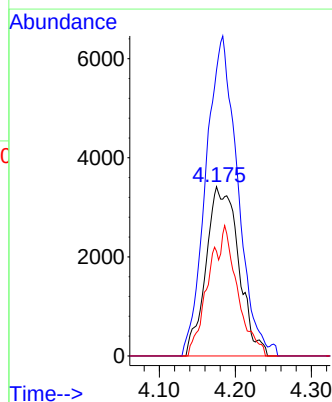
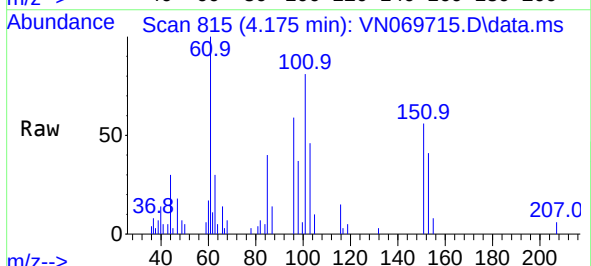
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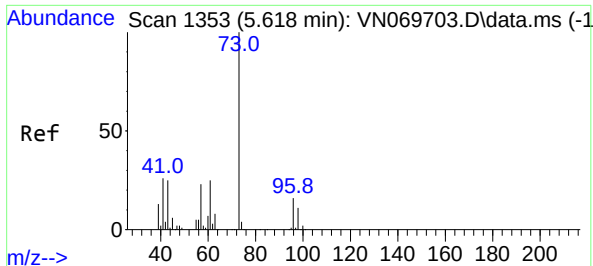
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021



#12
1,1-Dichloroethene
Concen: 0.80 ug/l m
RT: 4.175 min Scan# 815
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

Tgt Ion: 96 Resp: 10177
Ion Ratio Lower Upper
96 100
61 168.8 131.0 196.6
98 61.8 52.4 78.6





#19

Methyl tert-butyl Ether

Concen: 0.97 ug/l

RT: 5.624 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN069715.D

Acq: 3 Dec 2021 13:26

Instrument :

MSVOA_N

ClientSampleId :

RE132D1-20211129

Tgt Ion: 73 Resp: 47960

Ion Ratio Lower Upper

73 100

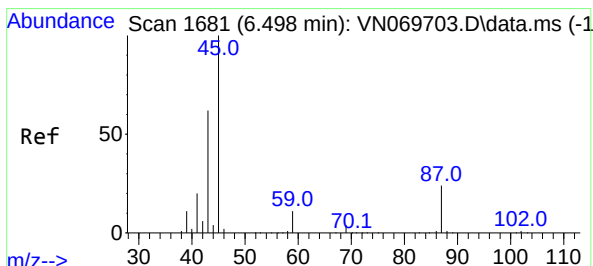
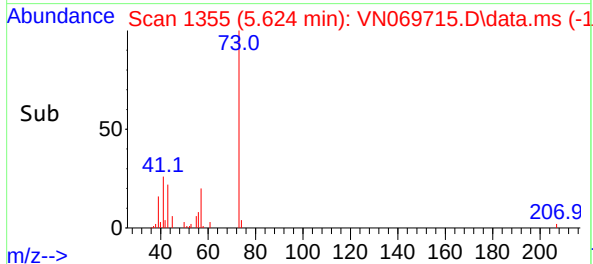
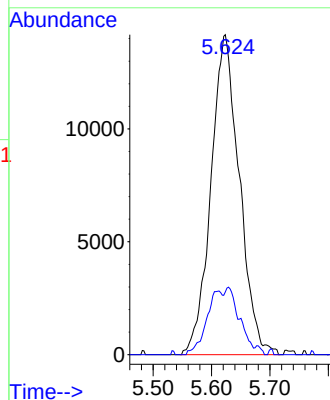
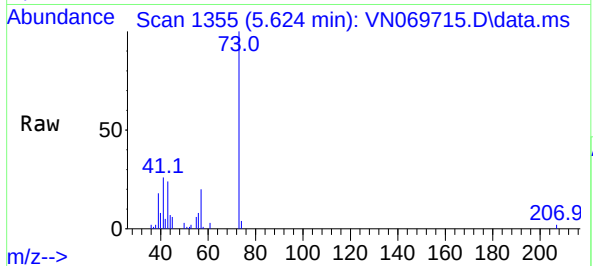
57 19.6 16.8 25.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 0.54 ug/l

RT: 6.501 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN069715.D

Acq: 3 Dec 2021 13:26

Tgt Ion: 45 Resp: 29925

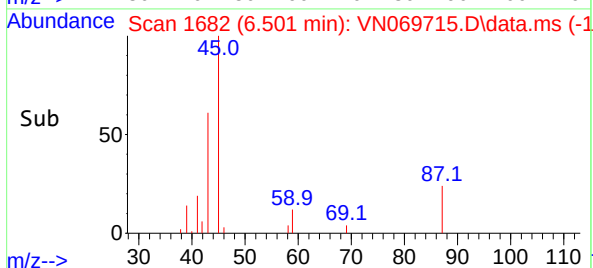
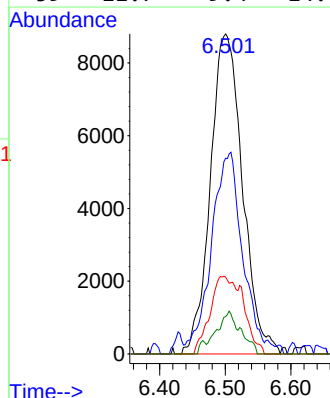
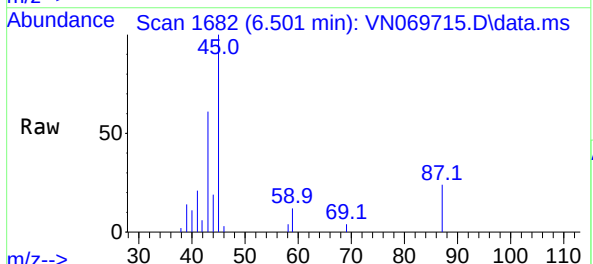
Ion Ratio Lower Upper

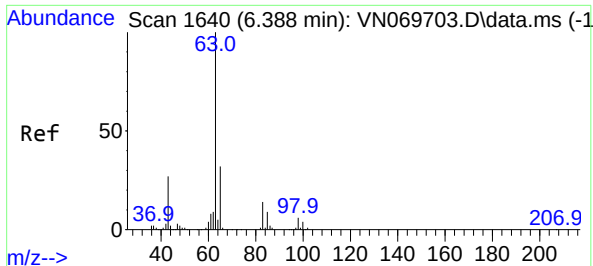
45 100

43 58.4 51.7 77.5

87 24.0 23.2 34.8

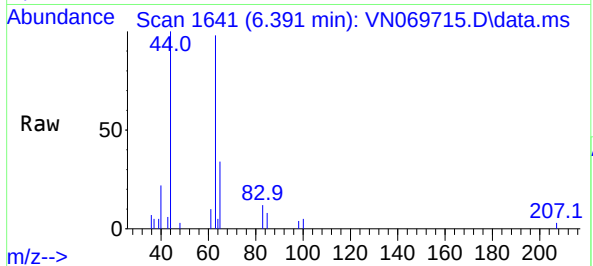
59 11.7 9.4 14.0





#24
1,1-Dichloroethane
Concen: 0.51 ug/l
RT: 6.391 min Scan# 1641
Delta R.T. 0.003 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

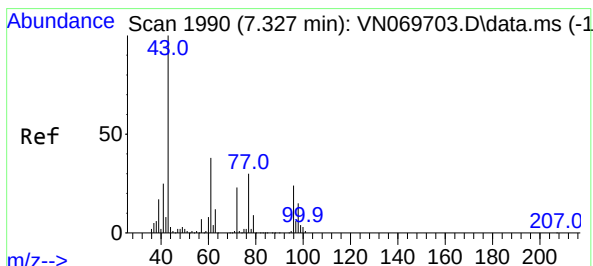
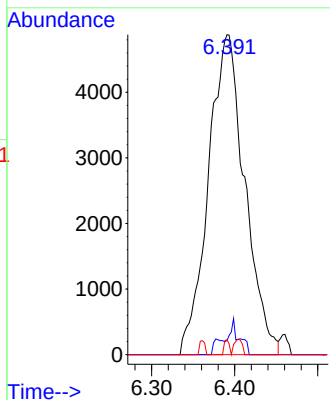
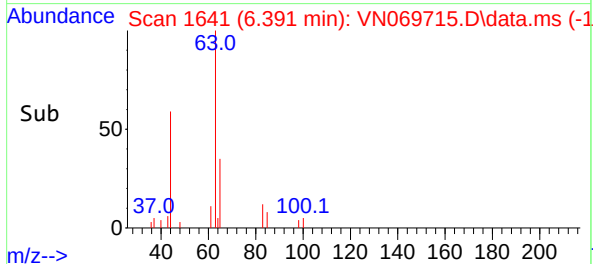
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



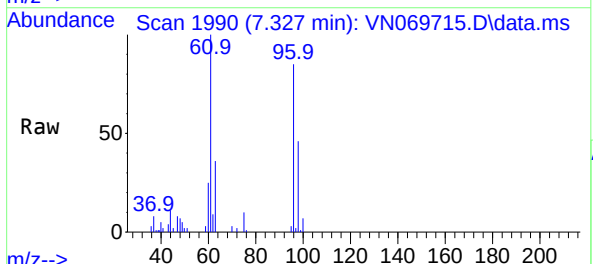
Tgt Ion: 63 Resp: 1485
Ion Ratio Lower Upper
63 100
98 4.4 3.3 9.9
100 4.7 2.1 6.5

Manual Integrations
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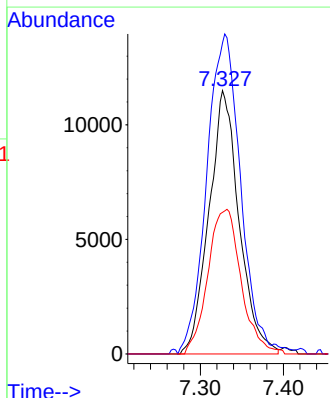
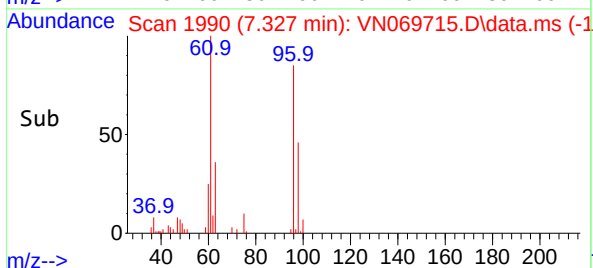
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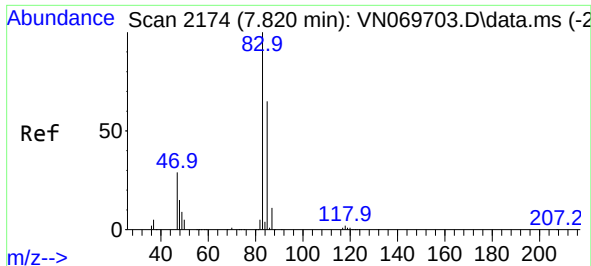


#27
cis-1,2-Dichloroethene
Concen: 1.75 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26



Tgt Ion: 96 Resp: 29035
Ion Ratio Lower Upper
96 100
61 135.1 0.0 275.0
98 60.5 0.0 129.6





#30

Chloroform

Concen: 1.71 ug/l

RT: 7.823 min Scan# 2174

Delta R.T. 0.003 min

Lab File: VN069715.D

Acq: 3 Dec 2021 13:26

Instrument :

MSVOA_N

ClientSampleId :

RE132D1-20211129

Tgt Ion: 83 Resp: 49814

Ion Ratio Lower Upper

83 100

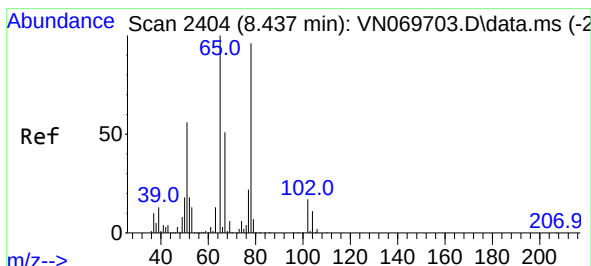
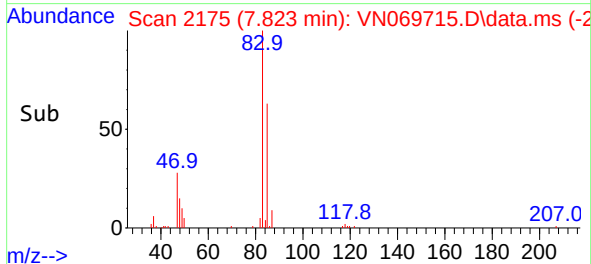
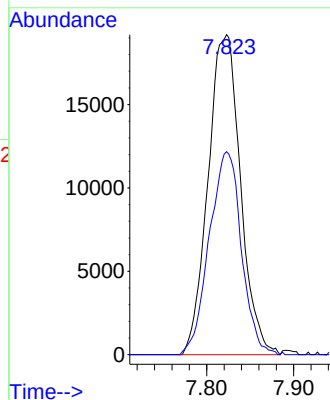
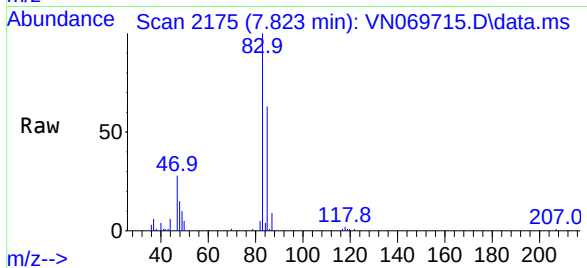
85 63.5 51.9 77.9

Manual Integrations

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Reviewed By :John Carlone 12/04/2021

Supervised By :Mahesh Dadoda 12/06/2021



#33

1,2-Dichloroethane-d4

Concen: 47.96 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069715.D

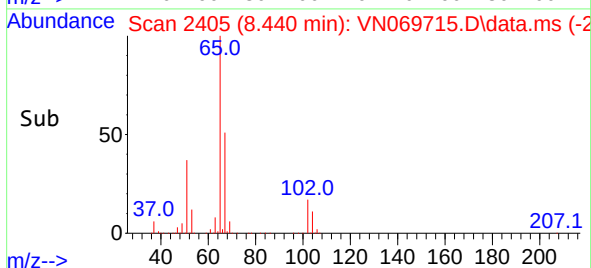
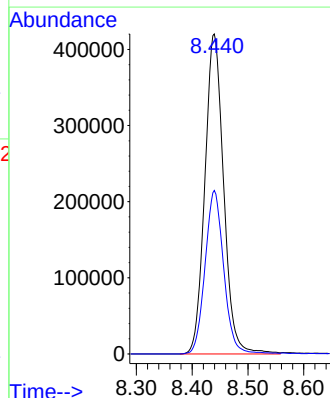
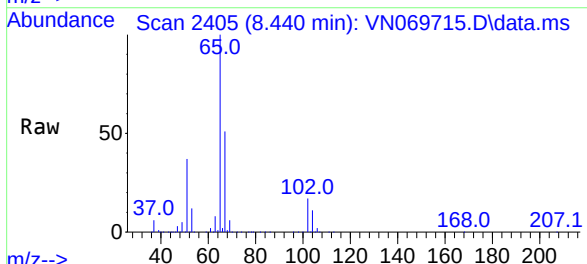
Acq: 3 Dec 2021 13:26

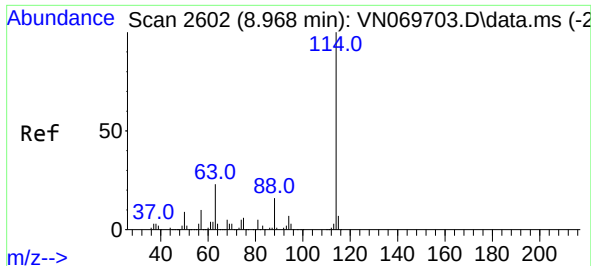
Tgt Ion: 65 Resp: 983913

Ion Ratio Lower Upper

65 100

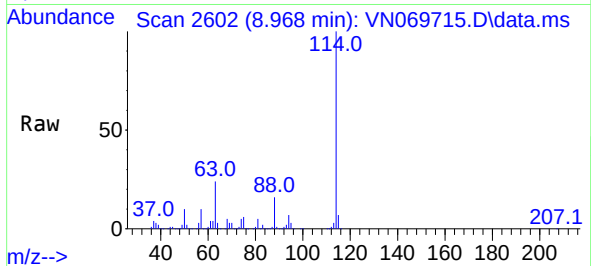
67 50.4 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

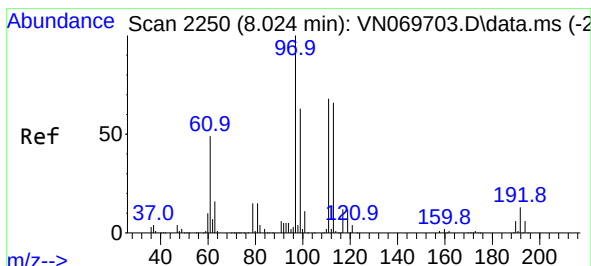
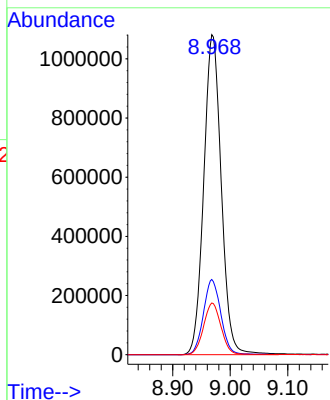
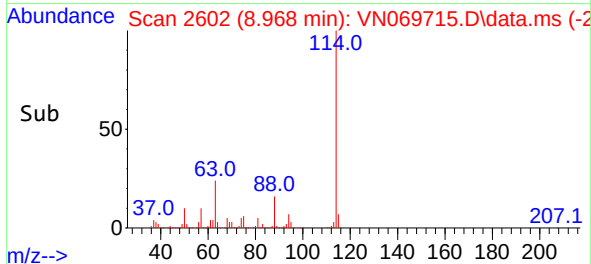
Instrument :
MSVOA_N
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RE132D1-20211129



Tgt Ion:114 Resp: 228934
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.2 0.0 27.4

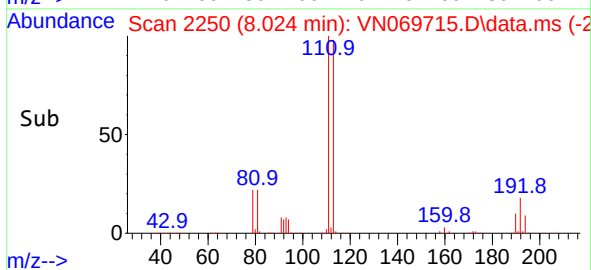
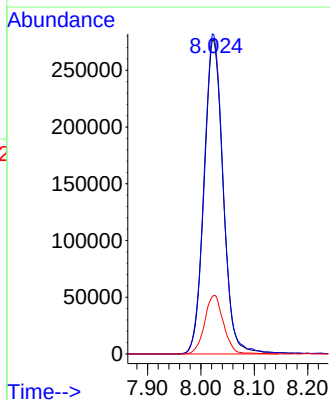
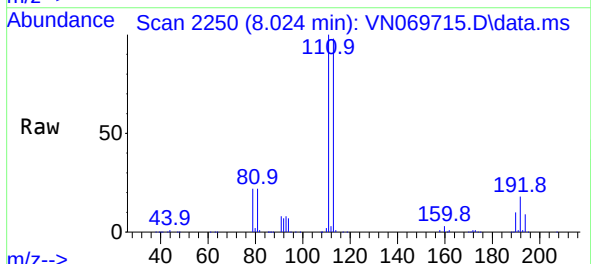
Manual Integrations
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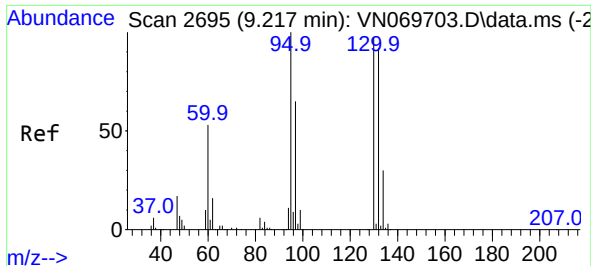
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021



#35
Dibromofluoromethane
Concen: 47.73 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

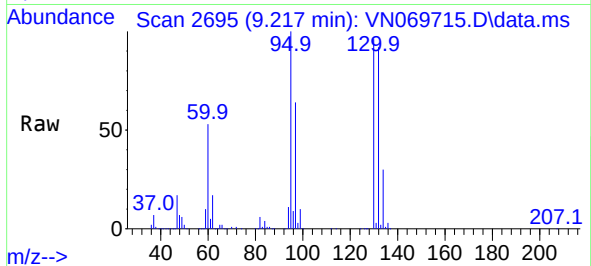
Tgt Ion:113 Resp: 684387
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.2
192 18.3 16.9 25.3





#44
Trichloroethene
Concen: 98.69 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

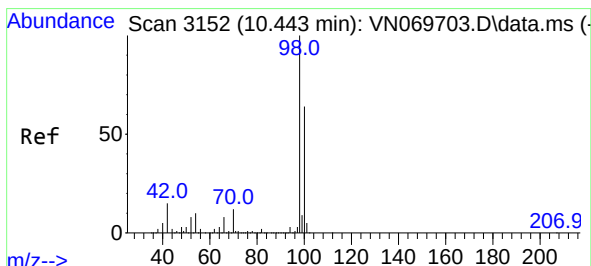
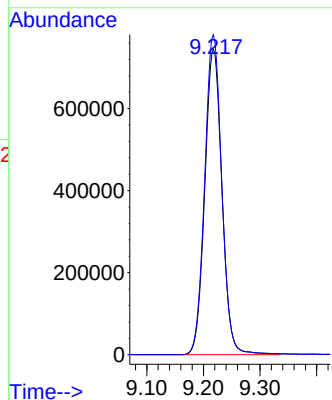
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



Tgt Ion:130 Resp: 156911
Ion Ratio Lower Upper
130 100
95 104.7 0.0 191.2

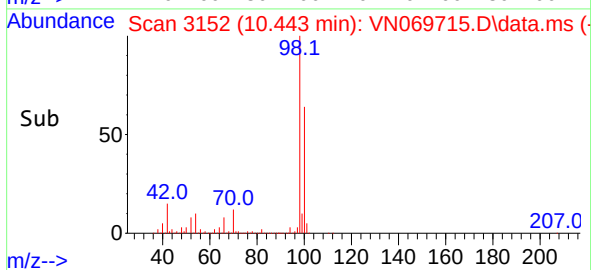
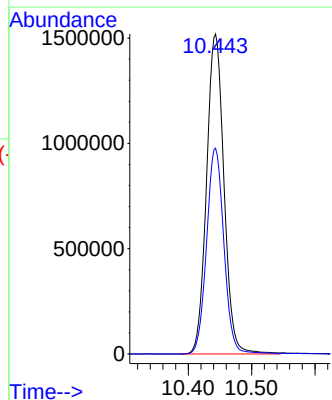
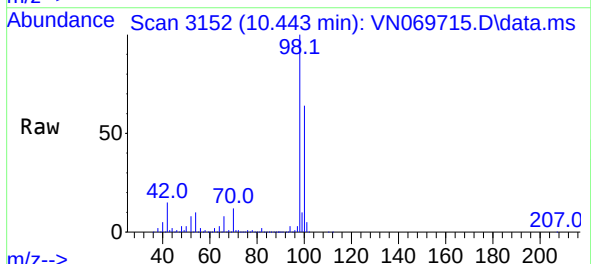
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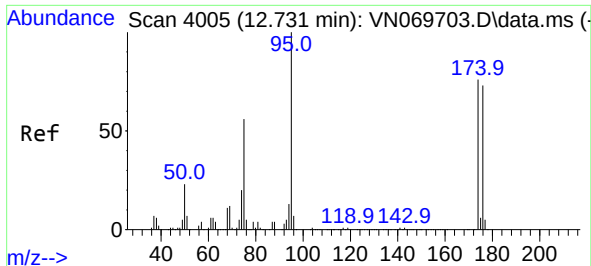
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021



#50
Toluene-d8
Concen: 50.45 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

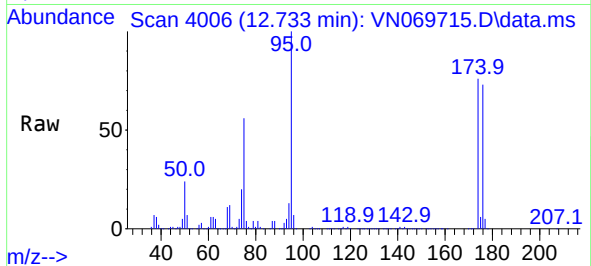
Tgt Ion: 98 Resp: 2905014
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 50.58 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

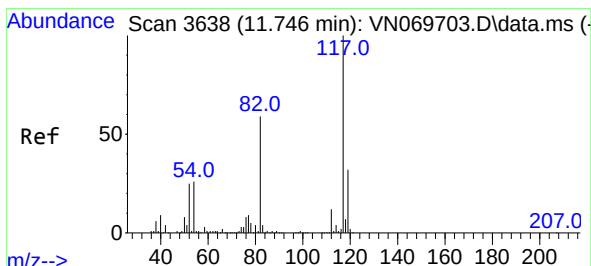
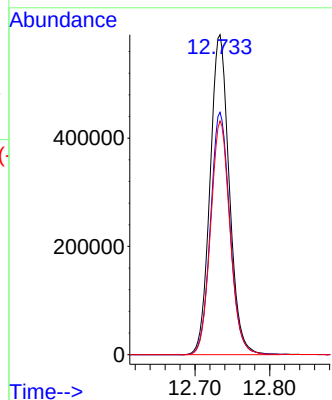
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



Tgt Ion: 95 Resp: 105501
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.6 0.0 181.4

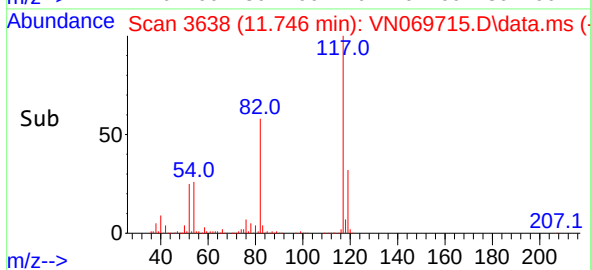
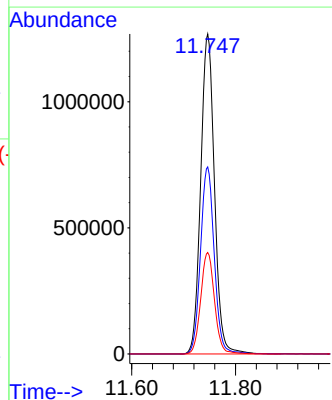
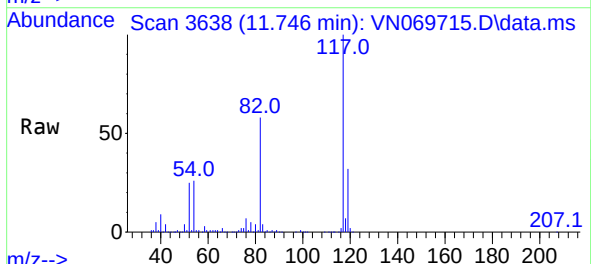
Manual Integrations
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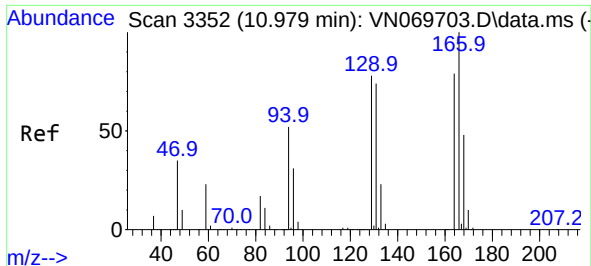
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

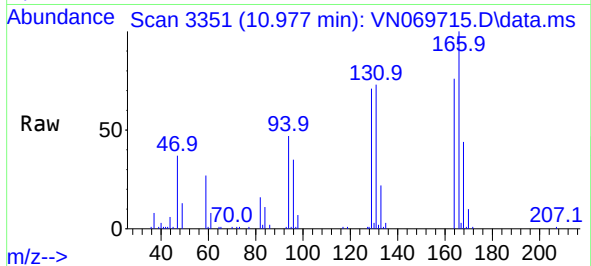
Tgt Ion:117 Resp: 2338644
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 31.7 25.4 38.2





#64
Tetrachloroethene
Concen: 2.40 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

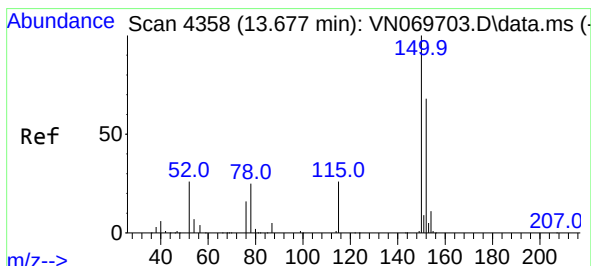
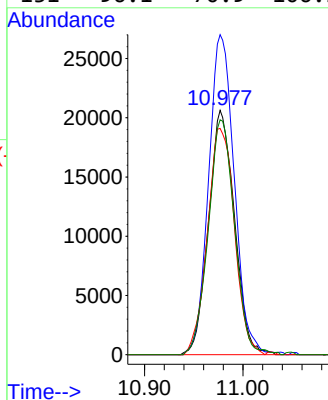
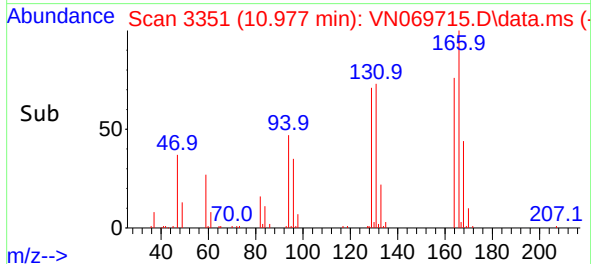
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



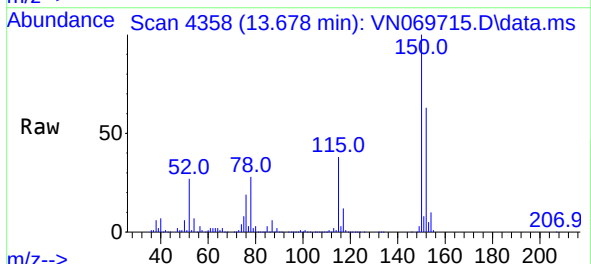
Tgt Ion:164 Resp: 37994
Ion Ratio Lower Upper
164 100
166 130.9 101.9 152.9
129 92.6 72.0 108.0
131 96.1 70.9 106.3

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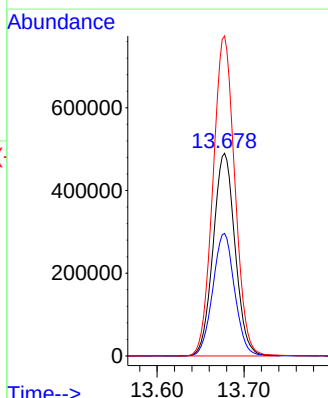
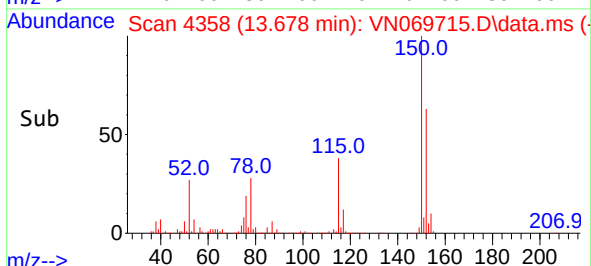
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021

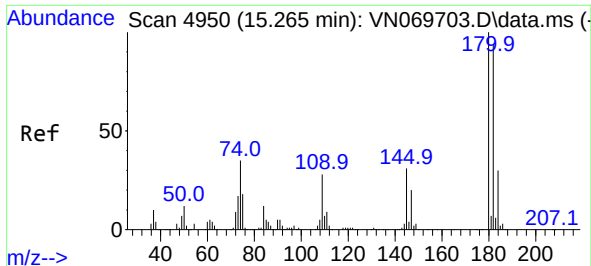


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26



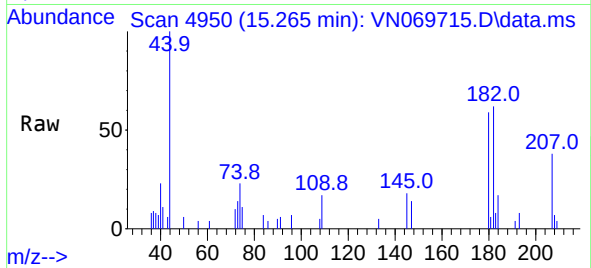
Tgt Ion:152 Resp: 859080
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 157.5 0.0 344.4





#93
1,2,4-Trichlorobenzene
Concen: 3.17 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26

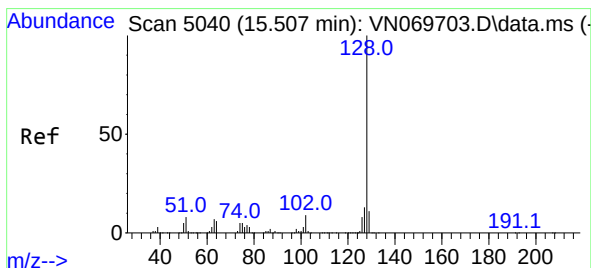
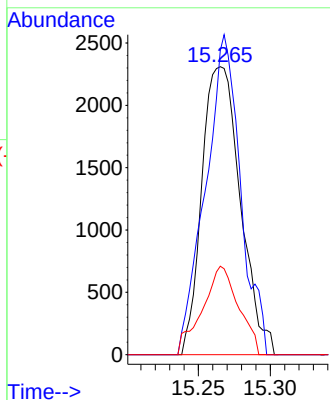
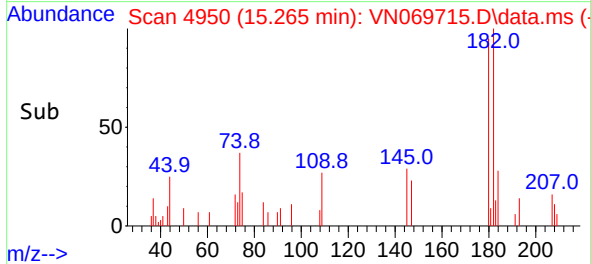
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20211129



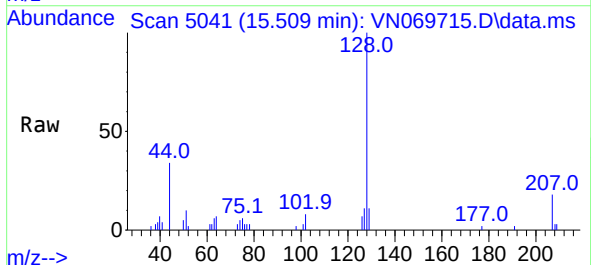
Tgt Ion:180 Resp: 4308
Ion Ratio Lower Upper
180 100
182 100.5 48.3 144.9
145 28.9 14.5 43.5

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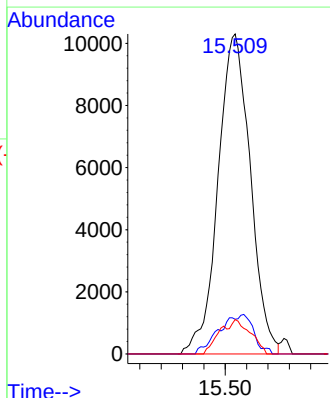
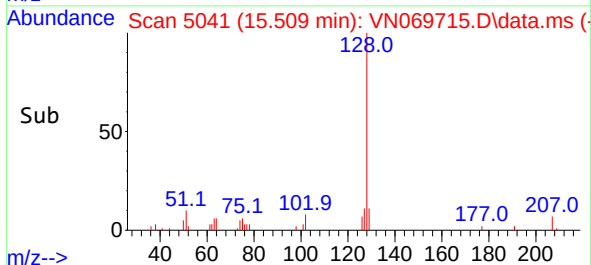
Reviewed By :John Carlone 12/04/2021
Supervised By :Mahesh Dadoda 12/06/2021

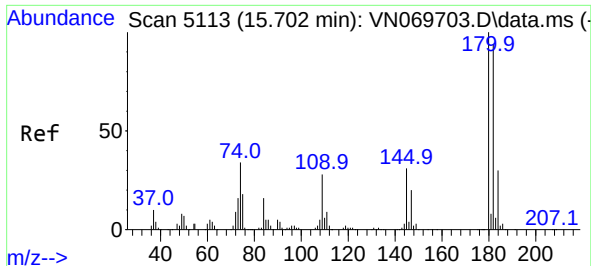


#95
Naphthalene
Concen: 4.46 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069715.D
Acq: 3 Dec 2021 13:26



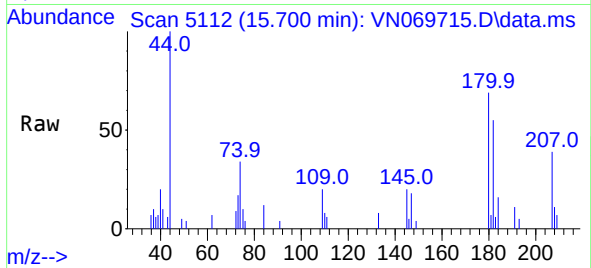
Tgt Ion:128 Resp: 21642
Ion Ratio Lower Upper
128 100
127 7.0 10.5 15.7#
129 6.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.79 ug/l
 RT: 15.700 min Scan# 5113
 Delta R.T. -0.002 min
 Lab File: VN069715.D
 Acq: 3 Dec 2021 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20211129



Tgt Ion:	180	Resp:	5150
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.2
145	18.7	15.0	45.1

Manual Integrations
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Reviewed By :John Carlone 12/04/2021
 Supervised By :Mahesh Dadoda 12/06/2021

