

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069836.D
 Acq On : 8 Dec 2021 1:34
 Operator : JC/MD
 Sample : M4957-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE114D2-20211206

Quant Time: Dec 08 06:36:43 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1328113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2385263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2554101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	955367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1024998	49.985	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.980%		
35) Dibromofluoromethane	8.021	113	709646	47.497	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.000%		
50) Toluene-d8	10.440	98	3094346	51.579	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.160%		
62) 4-Bromofluorobenzene	12.731	95	1192642	54.875	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	7626	0.492	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.218	101	122861m	9.359	ug/l	
12) 1,1-Dichloroethene	4.183	96	8190	0.647	ug/l	94
16) Acetone	4.291	43	14159	1.148	ug/l	98
24) 1,1-Dichloroethane	6.383	63	11531	0.400	ug/l #	91
27) cis-1,2-Dichloroethene	7.327	96	16289	0.981	ug/l	97
30) Chloroform	7.812	83	9613	0.330	ug/l #	78
38) Carbon Tetrachloride	8.206	117	7533	0.338	ug/l	98
44) Trichloroethene	9.217	130	991976	59.881	ug/l	92
55) 1,1,2-Trichloroethane	10.899	97	4141	0.242	ug/l	93

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

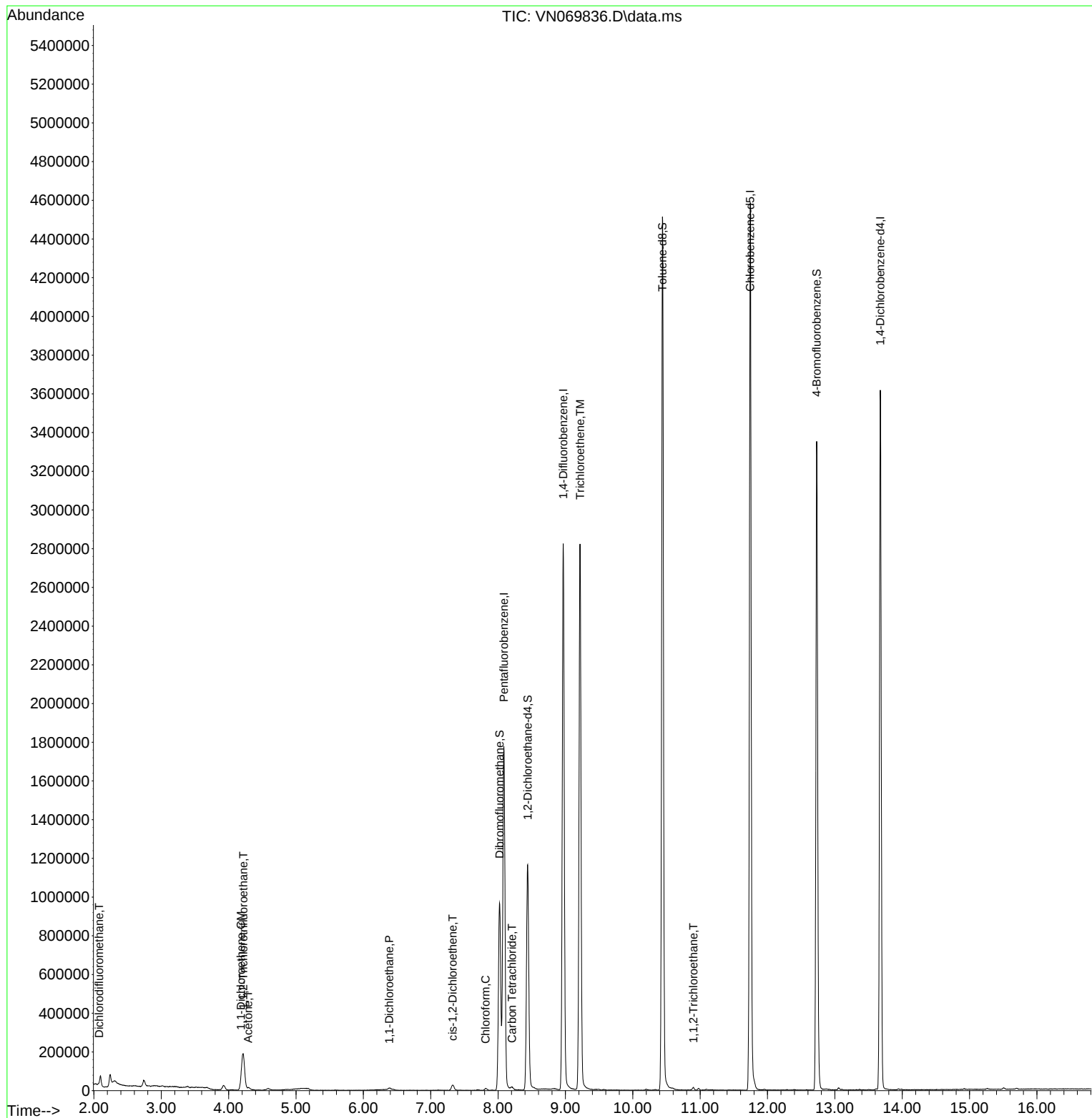
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
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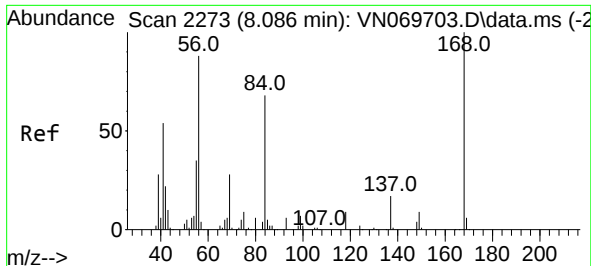
Instrument :
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ClientSampleId :
RE114D2-20211206

Quant Time: Dec 08 06:36:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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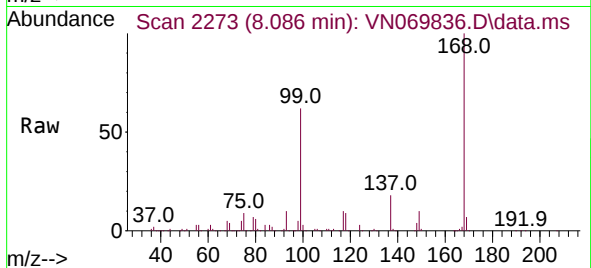
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

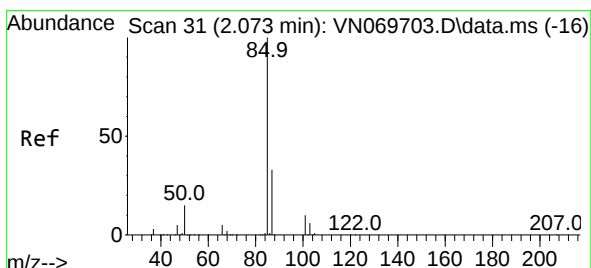
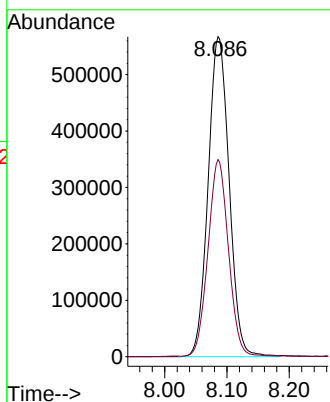
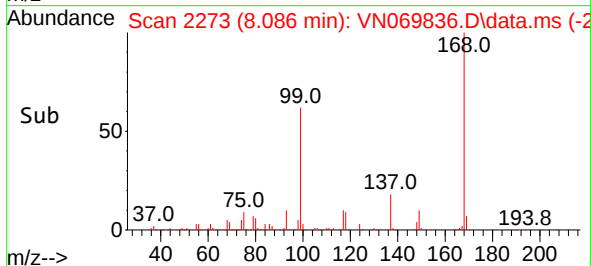
Instrument :
MSVOA_N
ClientSampleId :
RE114D2-20211206



Tgt Ion:168 Resp: 132811
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9

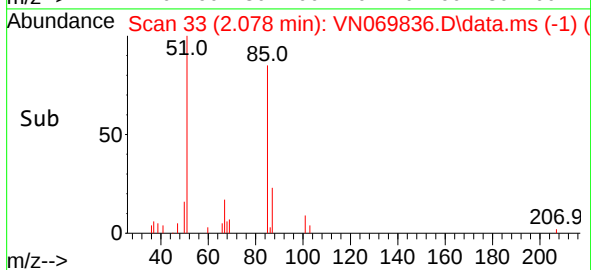
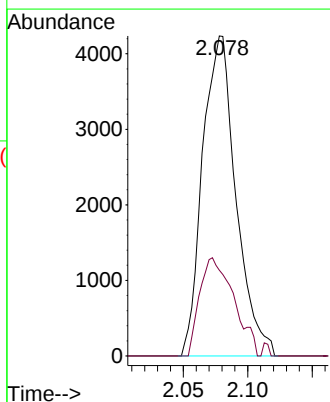
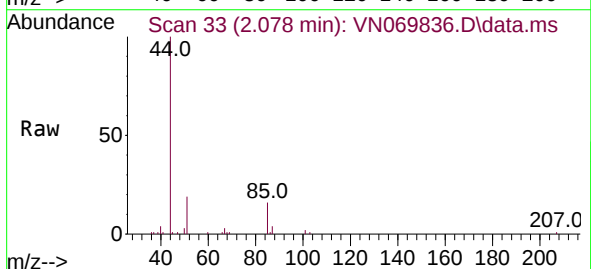
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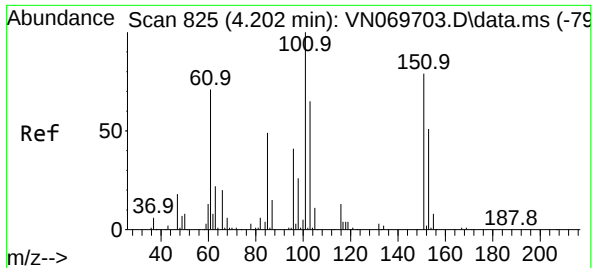
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#2
Dichlorodifluoromethane
Concen: 0.492 ug/l
RT: 2.078 min Scan# 33
Delta R.T. 0.005 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

Tgt Ion: 85 Resp: 7626
Ion Ratio Lower Upper
85 100
87 26.8 16.3 48.9





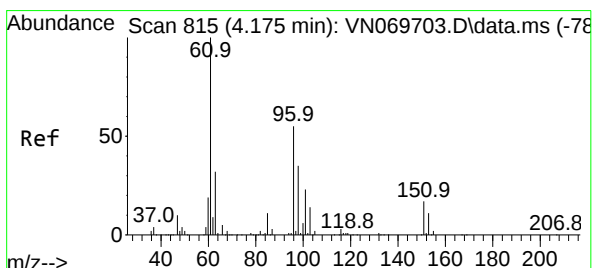
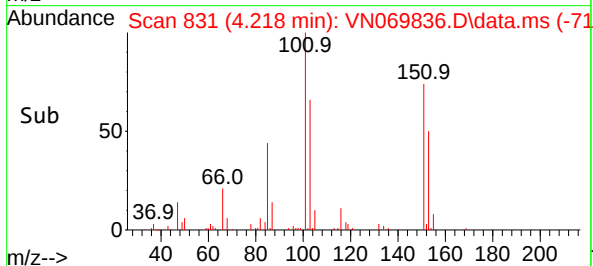
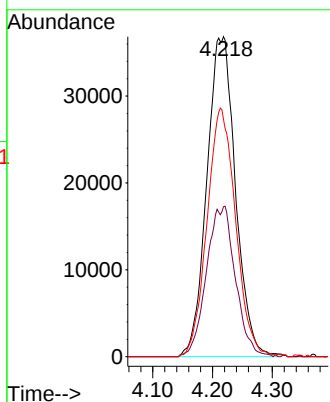
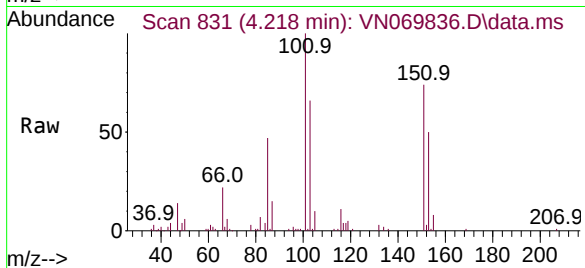
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.359 ug/l m
RT: 4.218 min Scan# 811
Delta R.T. 0.016 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

Instrument :
MSVOA_N
ClientSampleId :
RE114D2-20211206

Tgt Ion:101 Resp: 12286
Ion Ratio Lower Upper
101 100
85 23.8 37.2 55.8
151 77.5 65.9 98.9

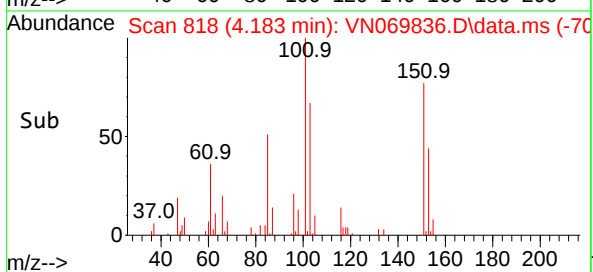
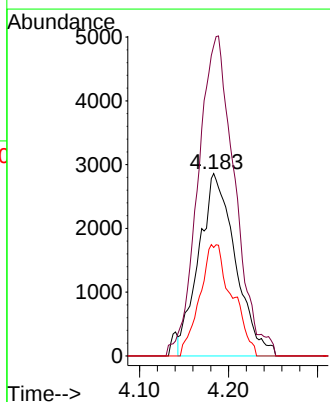
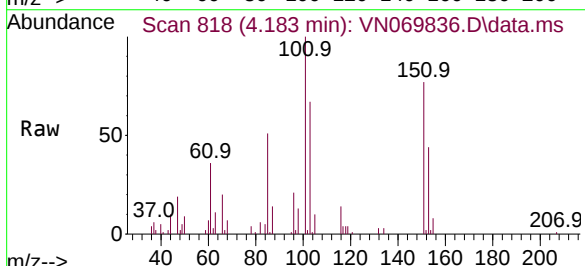
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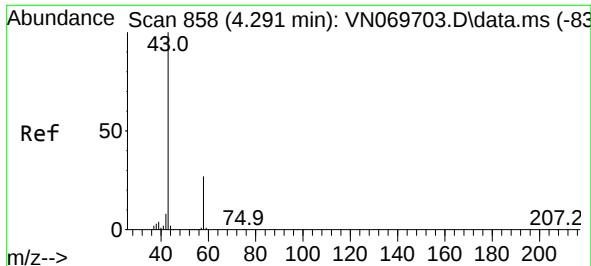
Reviewed By :John Carlone 12/08/2021
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#12
1,1-Dichloroethene
Concen: 0.647 ug/l
RT: 4.183 min Scan# 818
Delta R.T. 0.008 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

Tgt Ion: 96 Resp: 8190
Ion Ratio Lower Upper
96 100
61 170.1 131.0 196.6
98 59.5 52.4 78.6





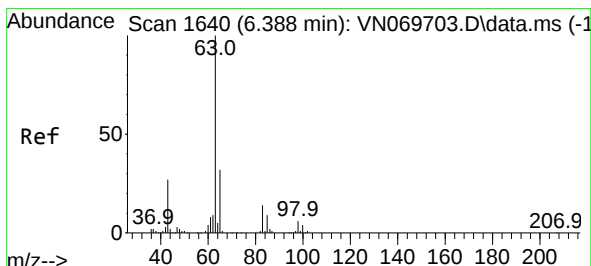
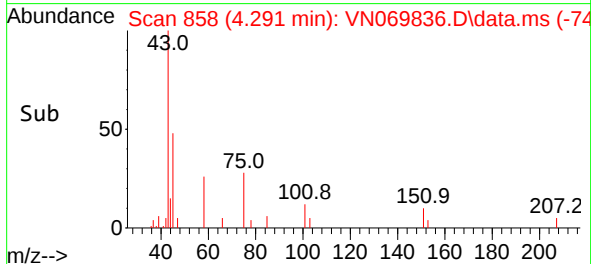
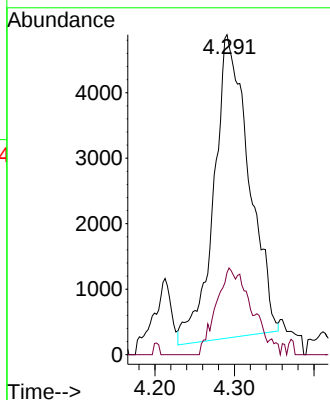
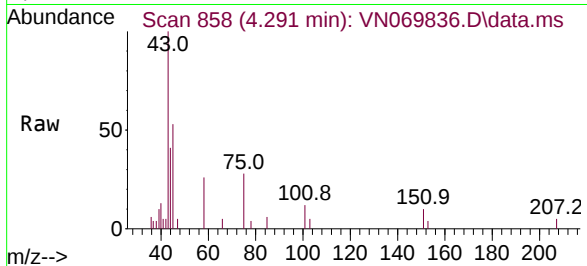
#16
Acetone
Concen: 1.148 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

Instrument :
MSVOA_N
ClientSampleId :
RE114D2-20211206

Tgt Ion: 43 Resp: 14159
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7

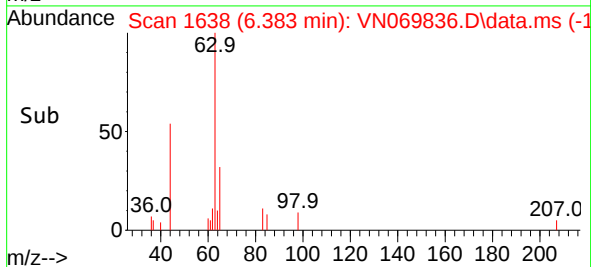
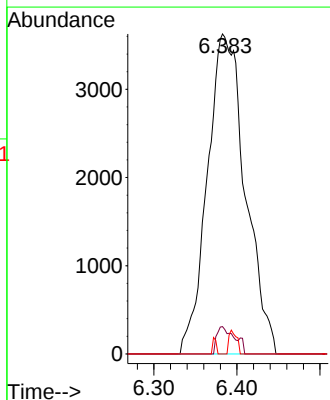
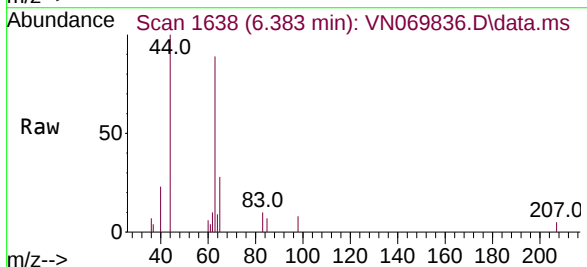
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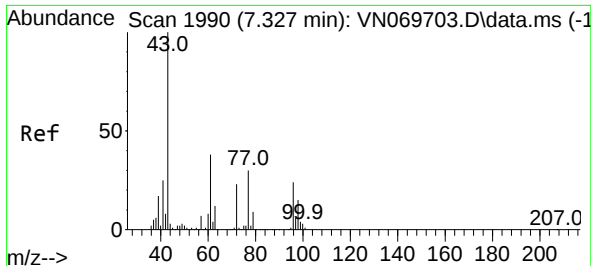
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#24
1,1-Dichloroethane
Concen: 0.400 ug/l
RT: 6.383 min Scan# 1638
Delta R.T. -0.005 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

Tgt Ion: 63 Resp: 11531
Ion Ratio Lower Upper
63 100
98 8.6 3.3 9.9
100 0.0 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 0.981 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN069836.D

Acq: 8 Dec 2021 1:34

Instrument :

MSVOA_N

ClientSampleId :

RE114D2-20211206

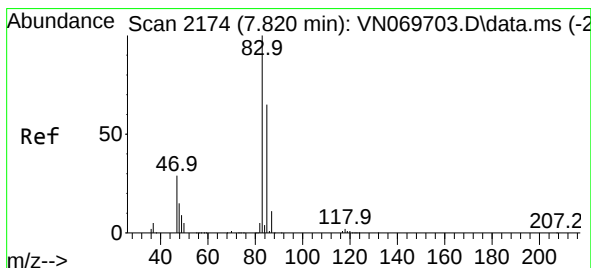
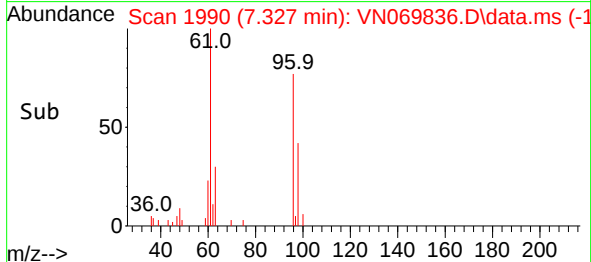
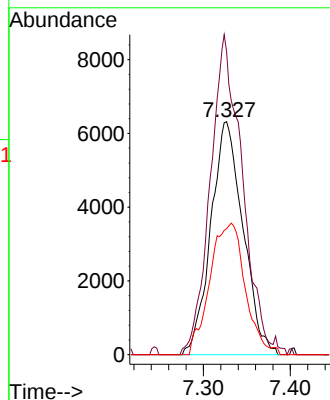
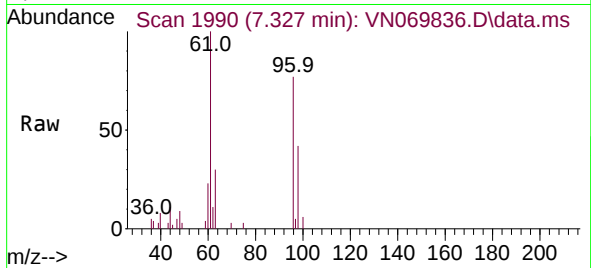
Tgt Ion:	96	Resp:	16289
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	275.0
98	61.2	0.0	129.6

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#30

Chloroform

Concen: 0.330 ug/l

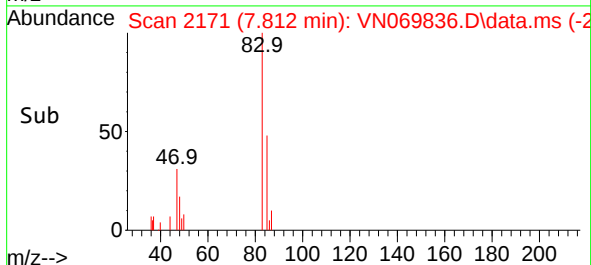
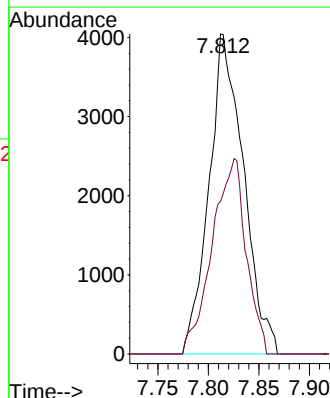
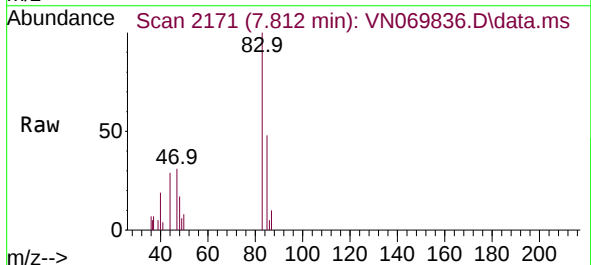
RT: 7.812 min Scan# 2171

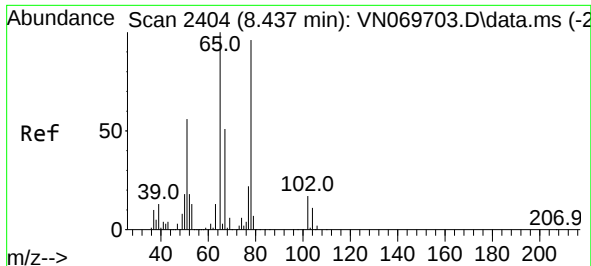
Delta R.T. -0.008 min

Lab File: VN069836.D

Acq: 8 Dec 2021 1:34

Tgt Ion:	83	Resp:	9613
Ion	Ratio	Lower	Upper
83	100		
85	47.7	51.9	77.9#





#33

1,2-Dichloroethane-d4

Concen: 49.985 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN069836.D

Acq: 8 Dec 2021 1:34

Instrument :

MSVOA_N

ClientSampleId :

RE114D2-20211206

Tgt Ion: 65 Resp: 1024998

Ion Ratio Lower Upper

65 100

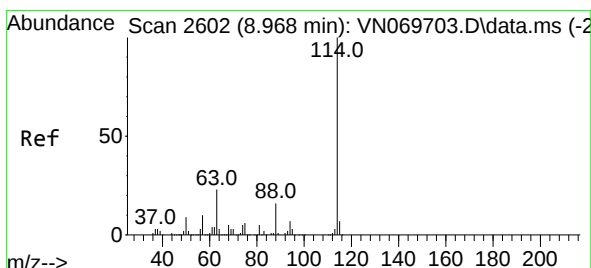
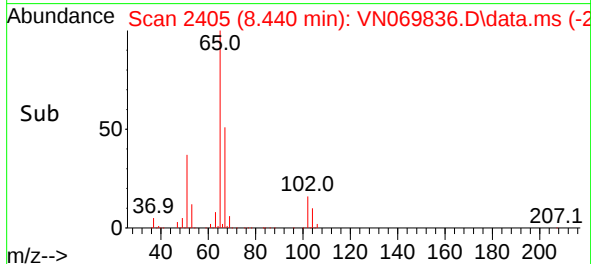
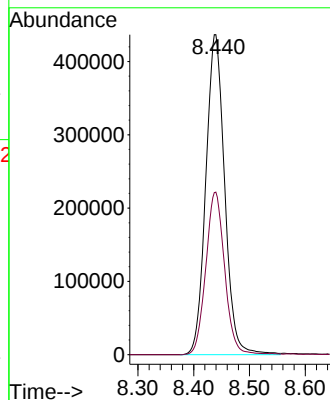
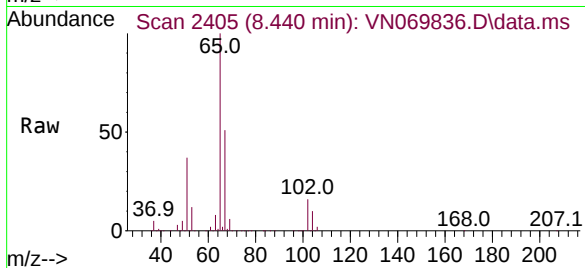
67 50.8 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069836.D

Acq: 8 Dec 2021 1:34

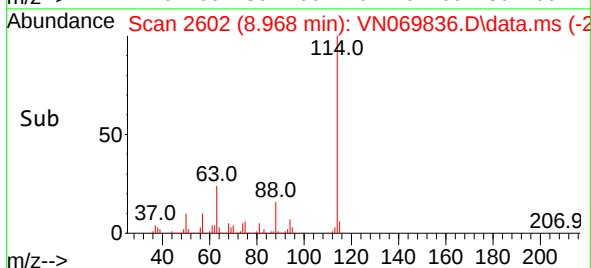
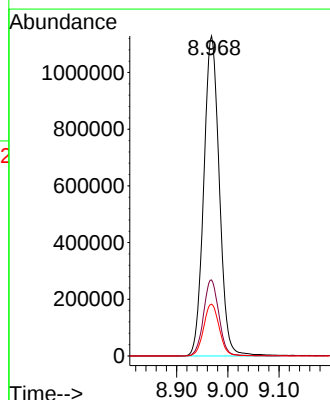
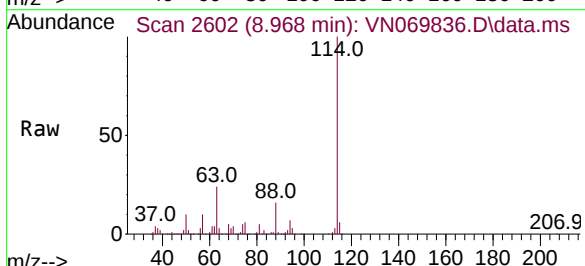
Tgt Ion:114 Resp: 2385263

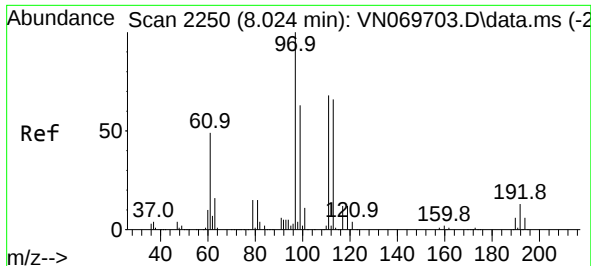
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

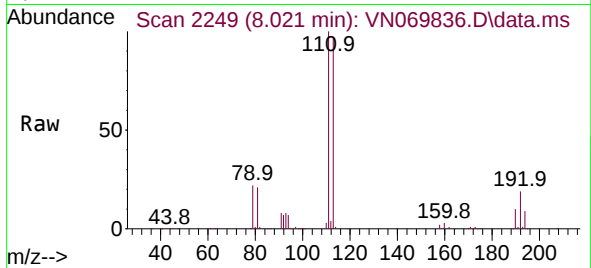
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 47.497 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

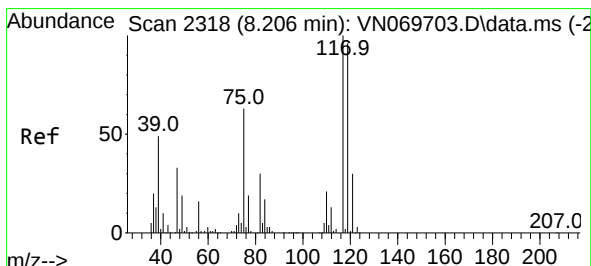
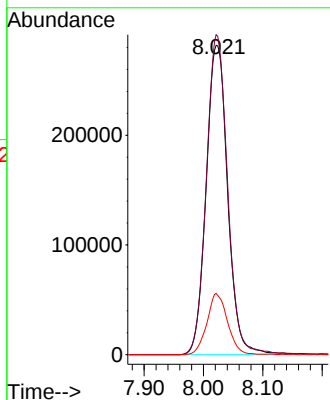
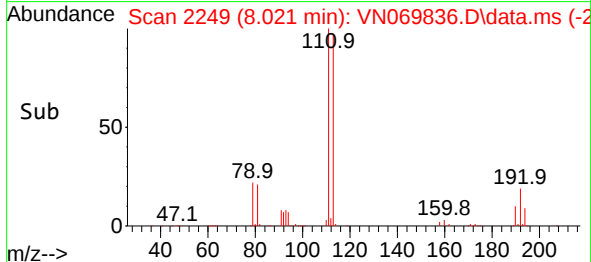
Instrument :
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RE114D2-20211206



Tgt Ion:113 Resp: 709640
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.0 16.9 25.3

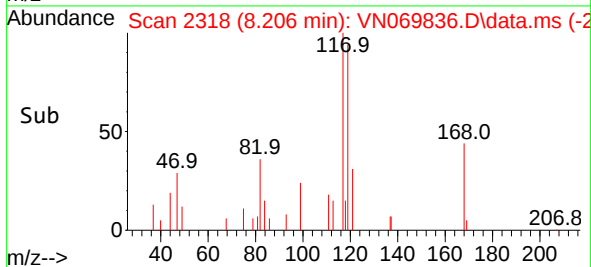
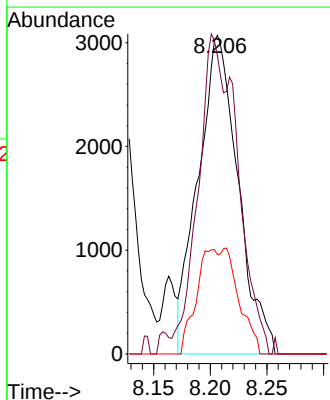
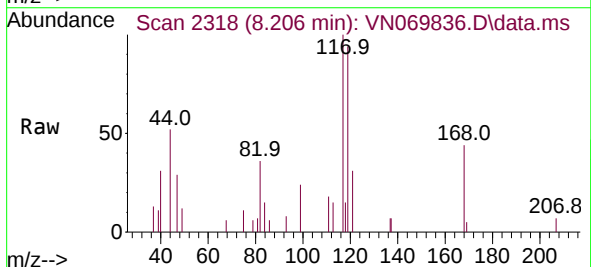
Manual Integrations
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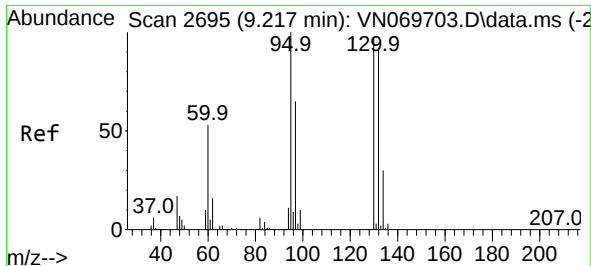
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#38
Carbon Tetrachloride
Concen: 0.338 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

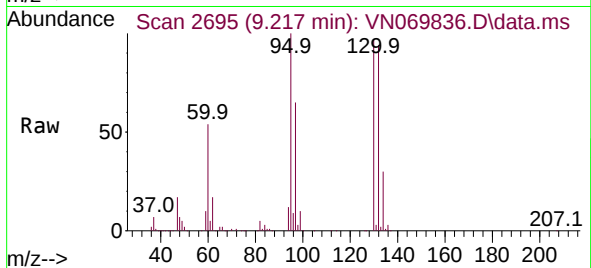
Tgt Ion:117 Resp: 7533
Ion Ratio Lower Upper
117 100
119 93.6 76.1 114.1
121 31.2 24.2 36.2





#44
Trichloroethene
Concen: 59.881 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

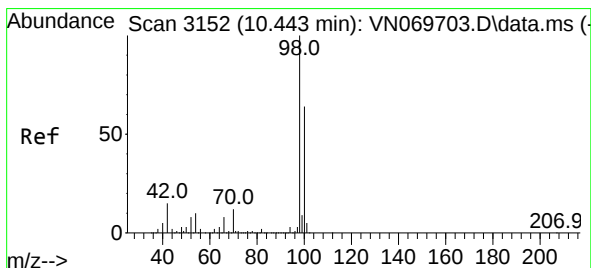
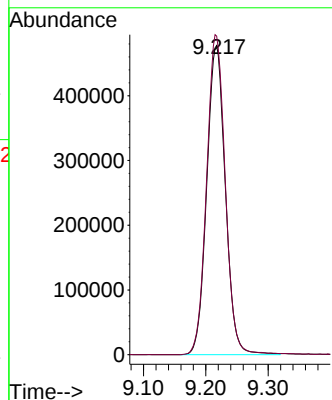
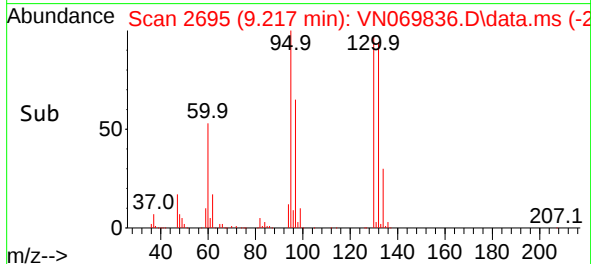
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RE114D2-20211206



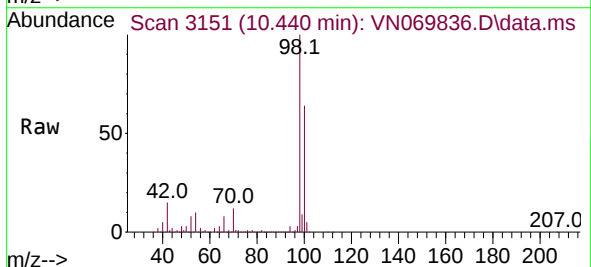
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Ion Ratio Lower Upper
130 100
95 103.1 0.0 191.2

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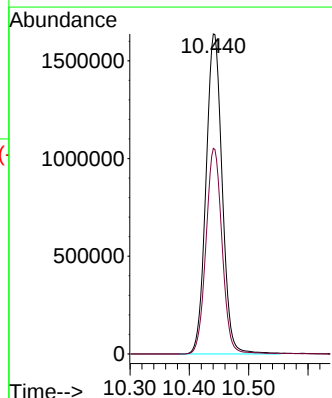
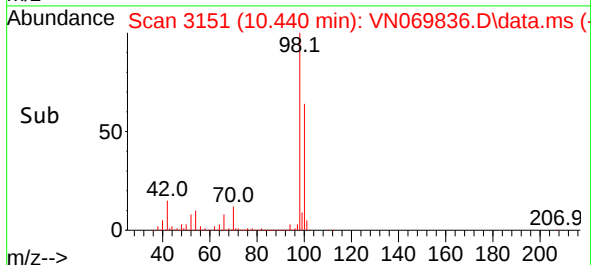
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

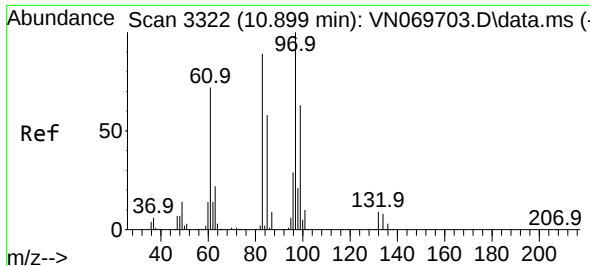


#50
Toluene-d8
Concen: 51.579 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34



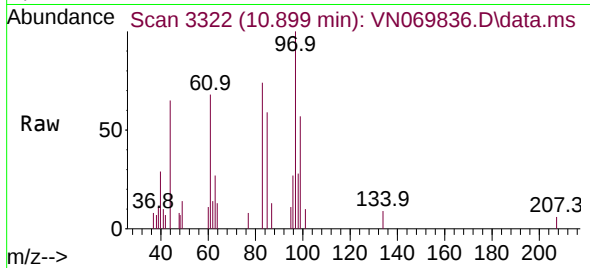
Tgt Ion: 98 Resp: 3094346
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6





#55
1,1,2-Trichloroethane
Concen: 0.242 ug/l
RT: 10.899 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

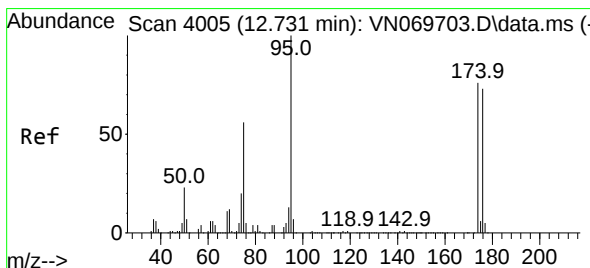
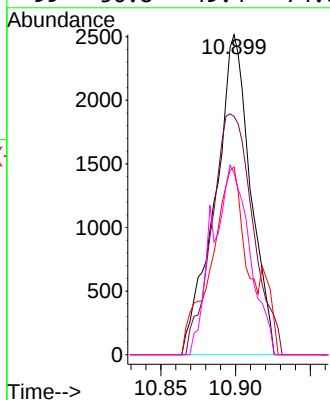
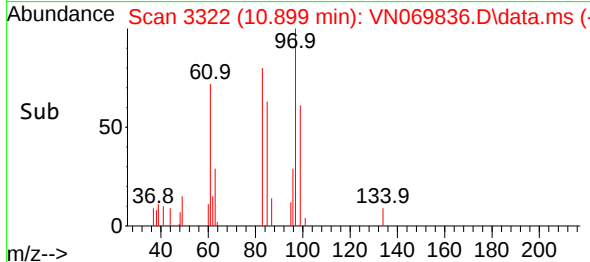
Instrument :
MSVOA_N
ClientSampleId :
RE114D2-20211206



Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.4	67.8	101.6
85	58.7	45.4	68.2
99	56.8	49.4	74.0

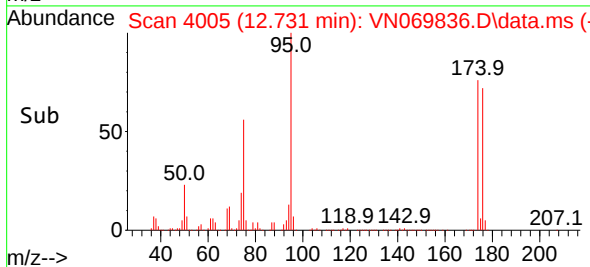
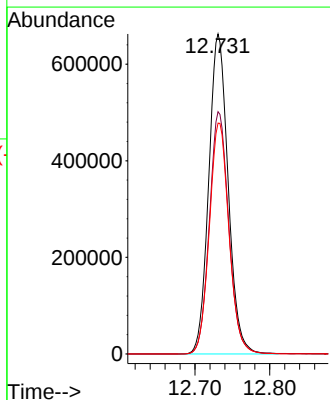
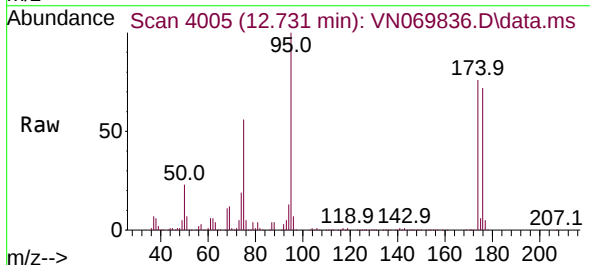
Manual Integrations
APPROVED

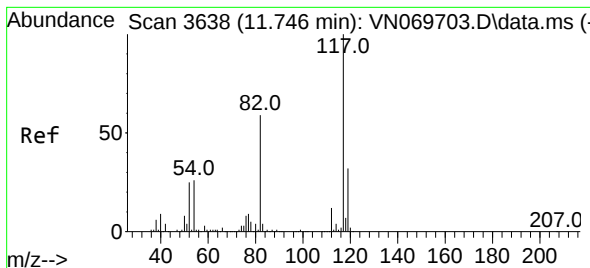
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#62
4-Bromofluorobenzene
Concen: 54.875 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

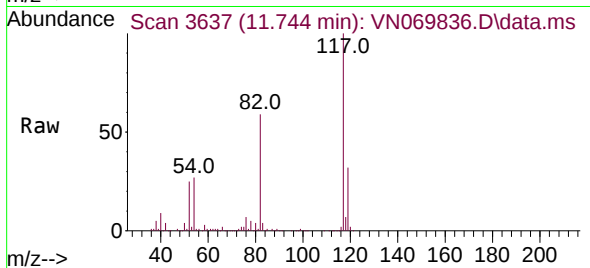
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	187.2
176	73.2	0.0	181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34

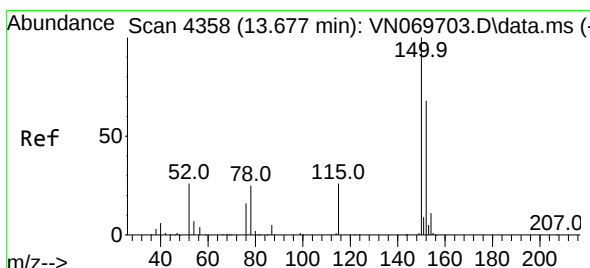
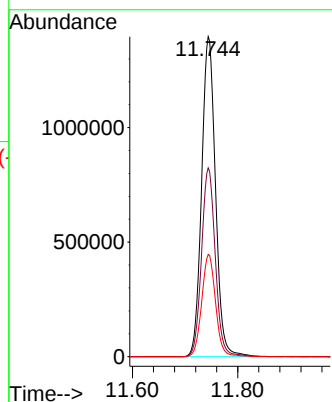
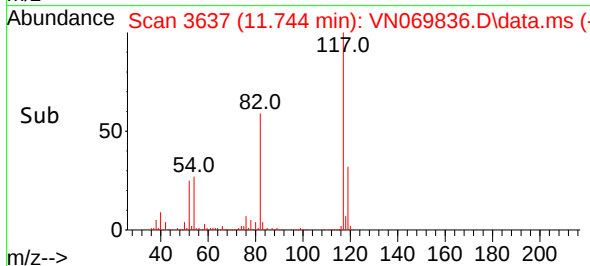
Instrument :
MSVOA_N
ClientSampleId :
RE114D2-20211206



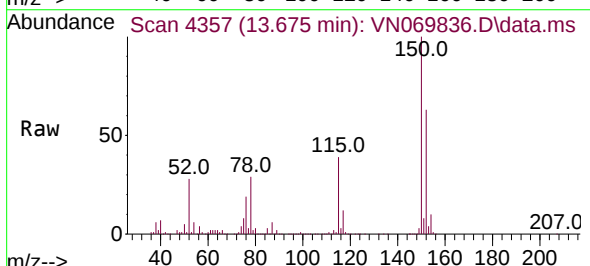
Tgt Ion:117 Resp: 255410
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.0 25.4 38.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069836.D
Acq: 8 Dec 2021 1:34



Tgt Ion:152 Resp: 955367
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 158.5 0.0 344.4

