

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069842.D
 Acq On : 8 Dec 2021 4:07
 Operator : JC/MD
 Sample : M4957-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20211206

Quant Time: Dec 08 06:38:51 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	8.088	168	1305519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2350472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2513335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	923641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1021720	50.688	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.380%			
35) Dibromofluoromethane	8.024	113	696875	47.333	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.660%			
50) Toluene-d8	10.440	98	3050746	51.605	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.731	95	1158435	54.090	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	4004	0.263	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.213	101	761710	59.025	ug/l	96
12) 1,1-Dichloroethene	4.191	96	9928m	0.798	ug/l	
27) cis-1,2-Dichloroethene	7.327	96	20585	1.261	ug/l	92
30) Chloroform	7.817	83	6919	0.241	ug/l	88
38) Carbon Tetrachloride	8.209	117	6835	0.312	ug/l	95
44) Trichloroethene	9.217	130	2075541	127.145	ug/l	92
60) Dibromochloromethane	10.977	129	68416	5.986	ug/l #	11
64) Tetrachloroethene	10.977	164	71738	4.209	ug/l	93

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

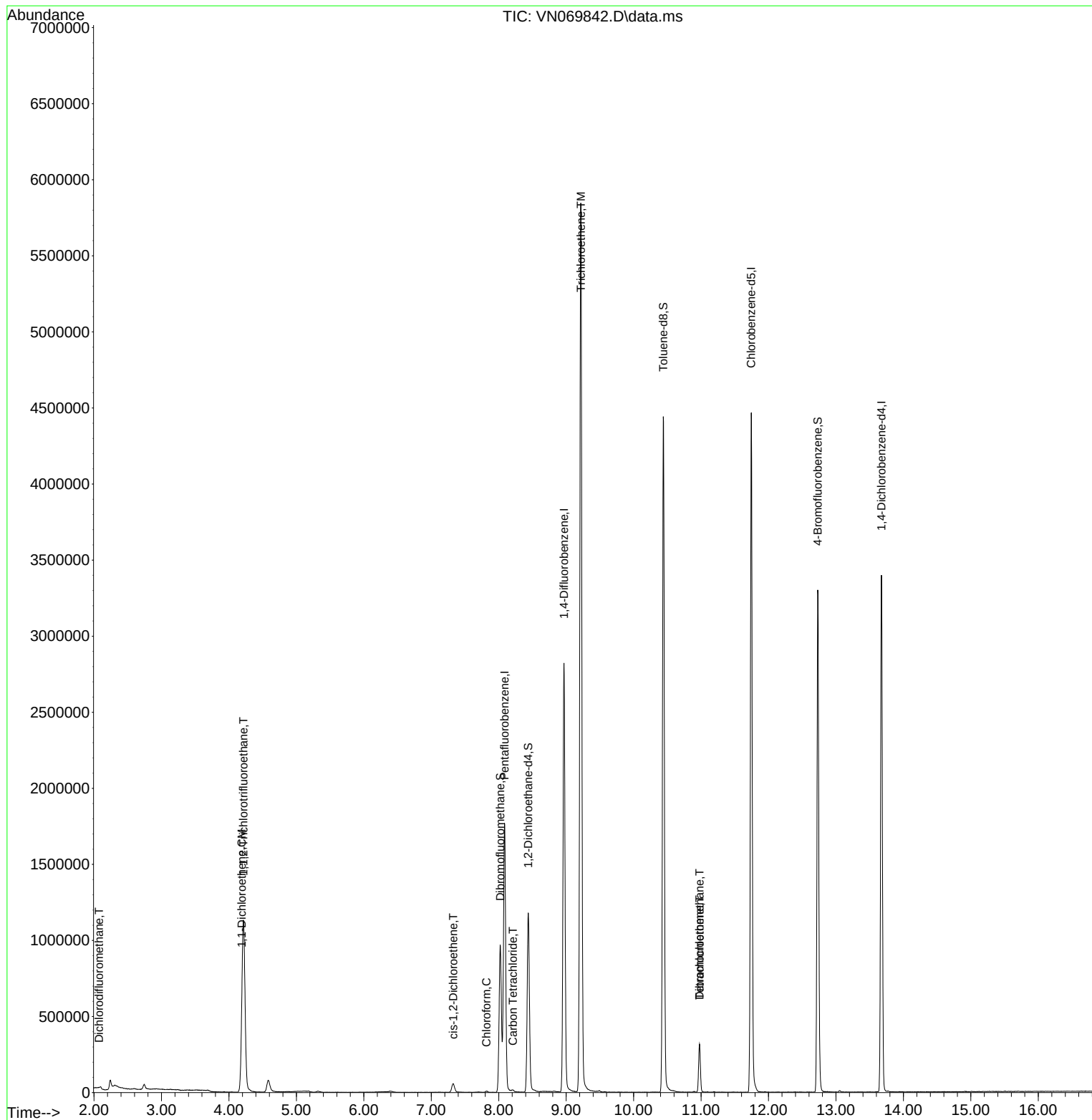
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
Data File : VN069842.D
Acq On : 8 Dec 2021 4:07
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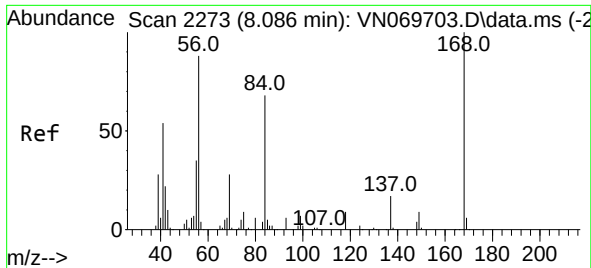
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

Quant Time: Dec 08 06:38:51 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

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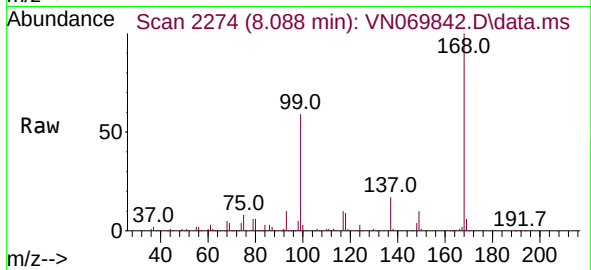
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

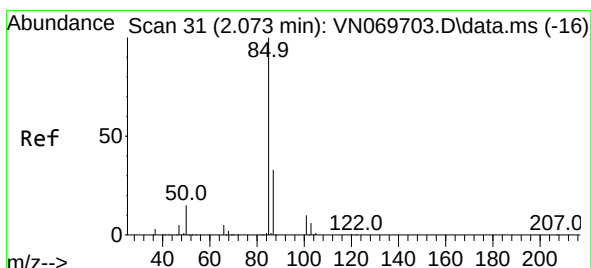
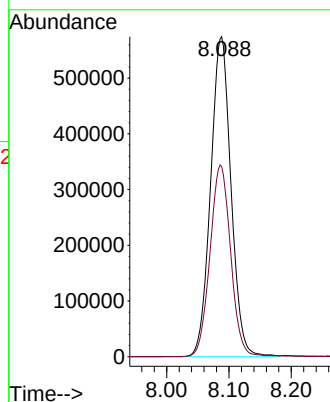
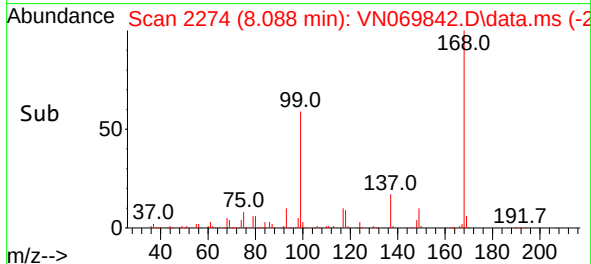
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



Tgt Ion:168 Resp: 1305519
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9

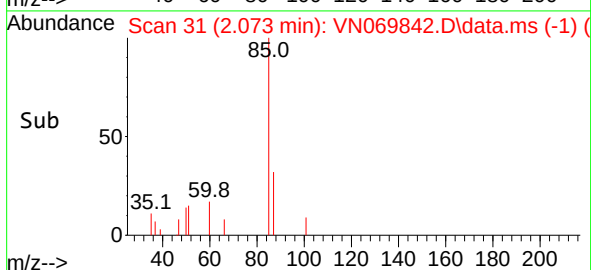
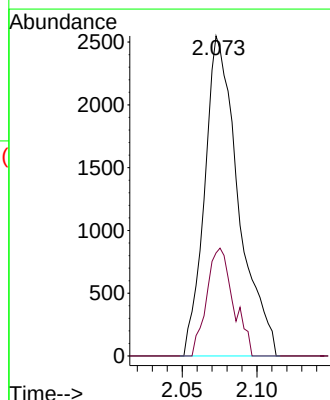
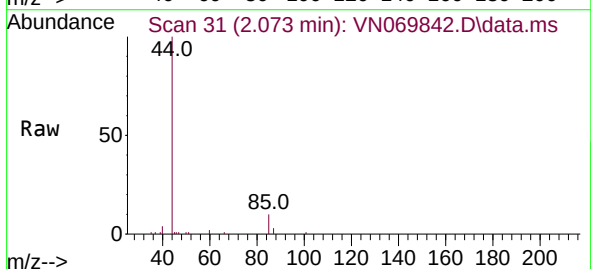
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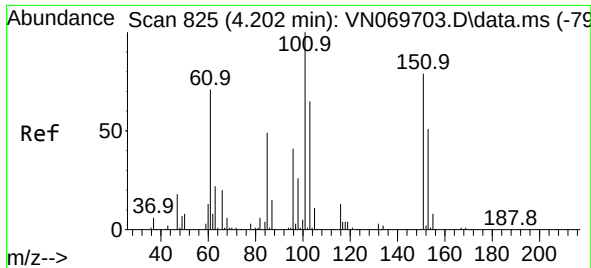
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#2
Dichlorodifluoromethane
Concen: 0.263 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 85 Resp: 4004
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.9





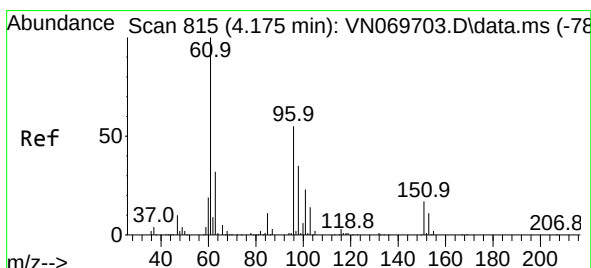
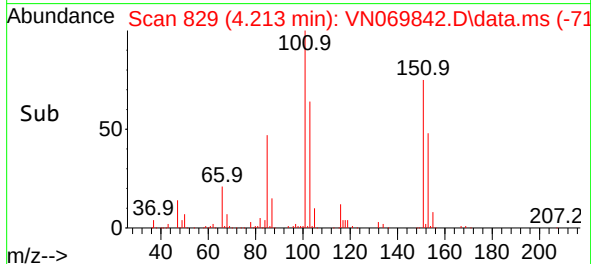
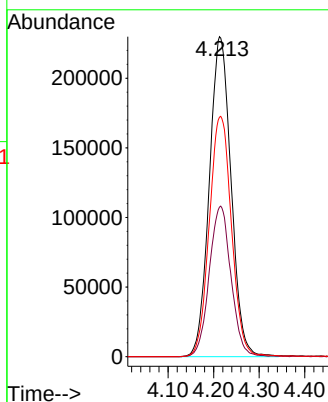
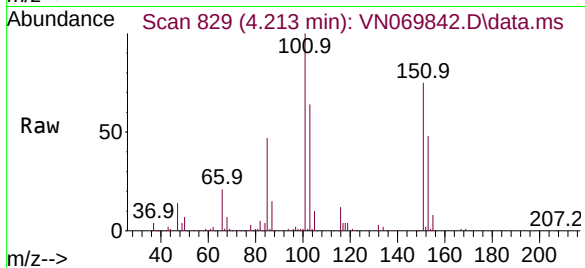
#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.025 ug/l
RT: 4.213 min Scan# 81
Delta R.T. 0.011 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

Tgt Ion:101 Resp: 761710
Ion Ratio Lower Upper
101 100
85 46.9 37.2 55.8
151 76.7 65.9 98.9

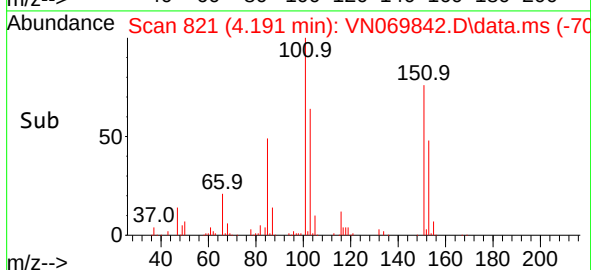
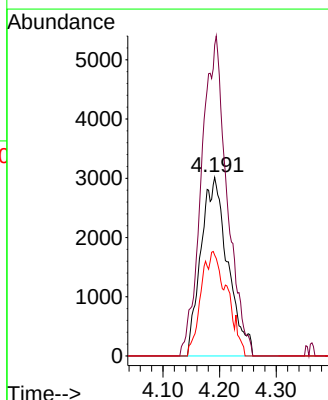
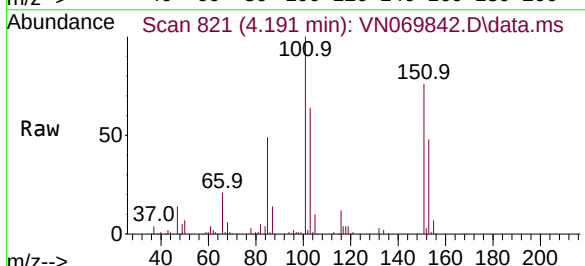
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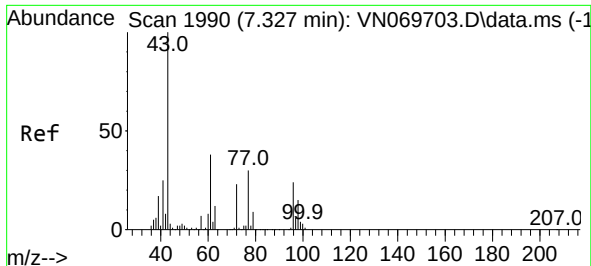
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#12
1,1-Dichloroethene
Concen: 0.798 ug/l m
RT: 4.191 min Scan# 821
Delta R.T. 0.016 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 96 Resp: 9928
Ion Ratio Lower Upper
96 100
61 174.0 131.0 196.6
98 56.5 52.4 78.6





#27

cis-1,2-Dichloroethene

Concen: 1.261 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN069842.D

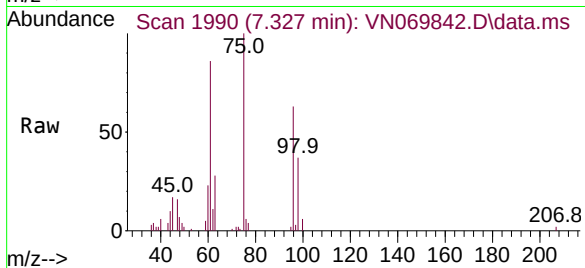
Acq: 8 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20211206



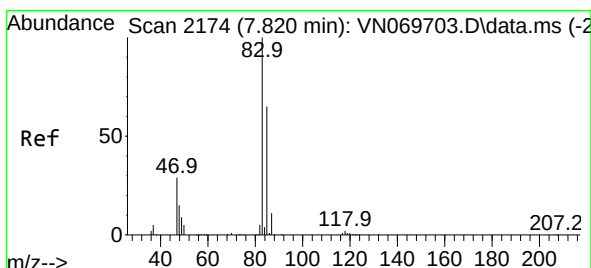
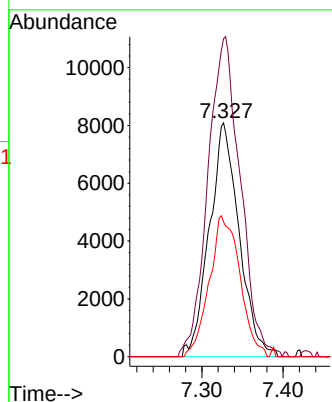
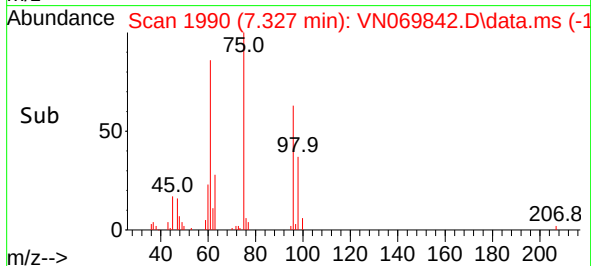
Tgt Ion:	96	Resp:	2058
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	275.0
98	62.0	0.0	129.6

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Supervised By :Amit Patel 12/14/2021



#30

Chloroform

Concen: 0.241 ug/l

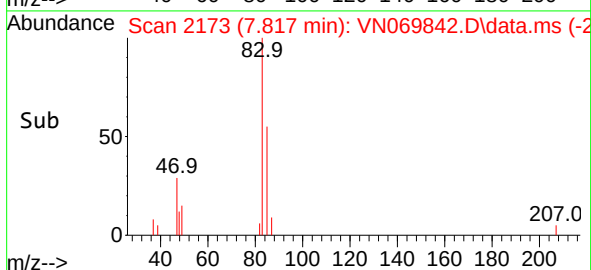
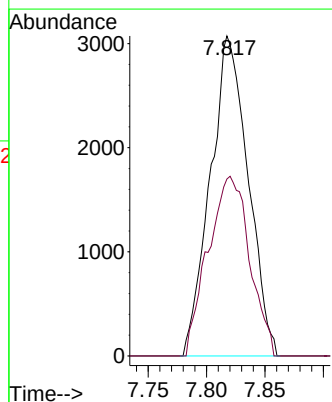
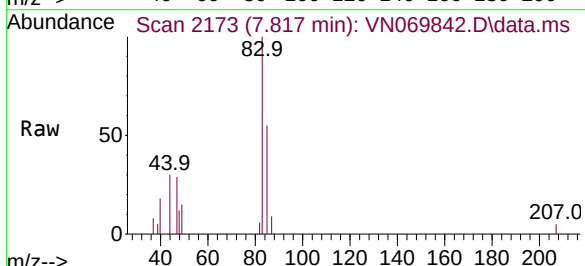
RT: 7.817 min Scan# 2173

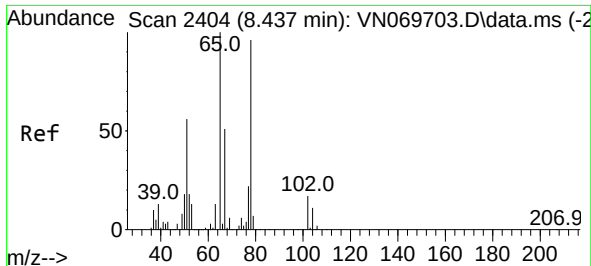
Delta R.T. -0.003 min

Lab File: VN069842.D

Acq: 8 Dec 2021 4:07

Tgt Ion:	83	Resp:	6919
Ion	Ratio	Lower	Upper
83	100		
85	55.3	51.9	77.9





#33

1,2-Dichloroethane-d4

Concen: 50.688 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069842.D

Acq: 8 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20211206

Tgt Ion: 65 Resp: 1021720

Ion Ratio Lower Upper

65 100

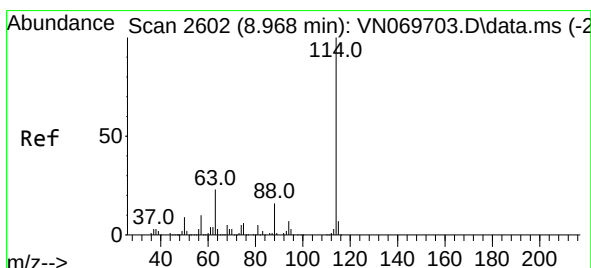
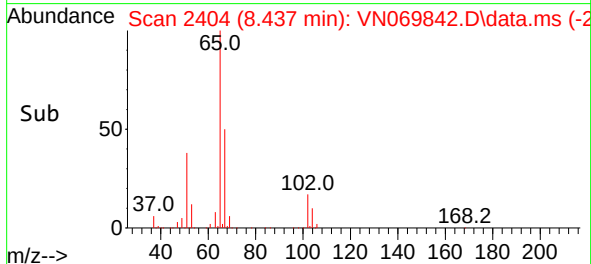
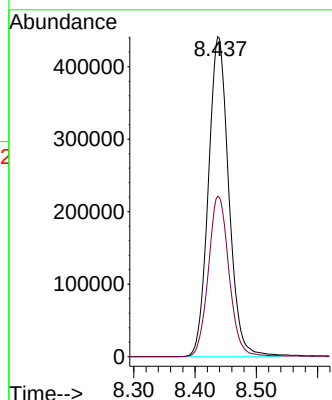
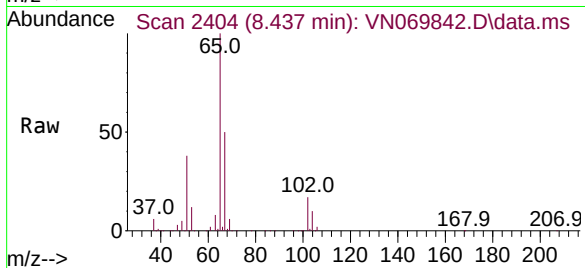
67 50.9 0.0 103.0

Manual Integrations

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Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069842.D

Acq: 8 Dec 2021 4:07

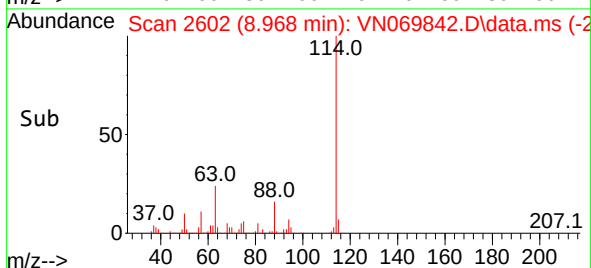
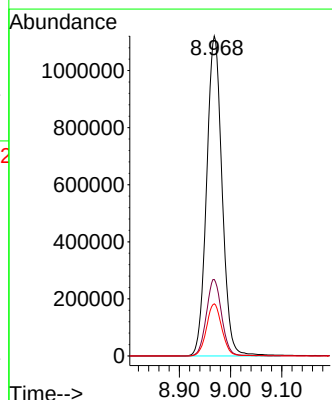
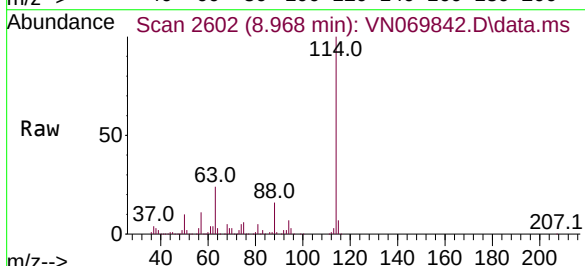
Tgt Ion:114 Resp: 2350472

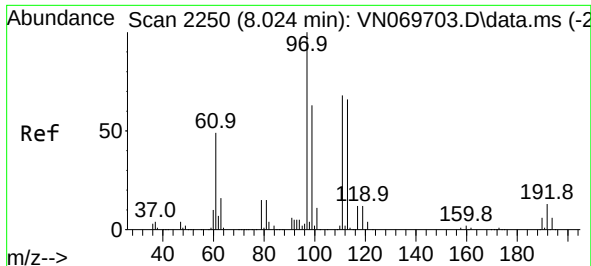
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

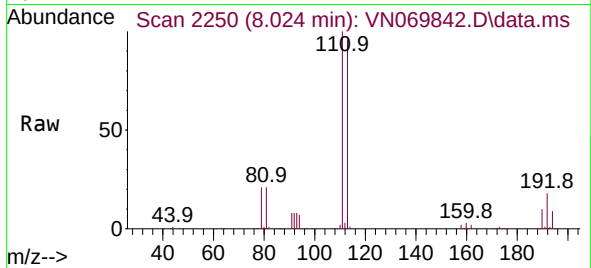
88 16.3 0.0 27.4





#35
Dibromofluoromethane
Concen: 47.333 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

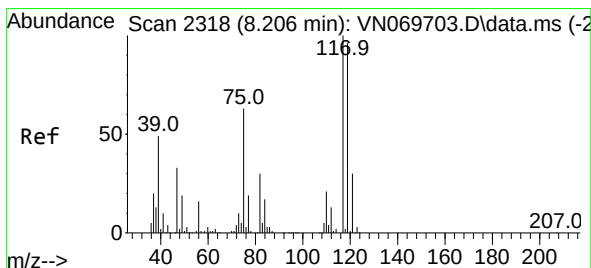
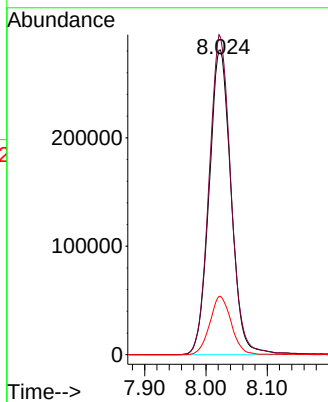
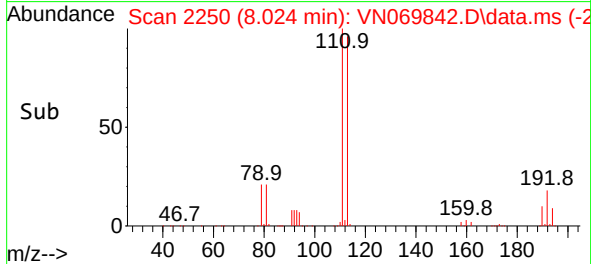
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



Tgt Ion:113 Resp: 69687
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.2
192 18.8 16.9 25.3

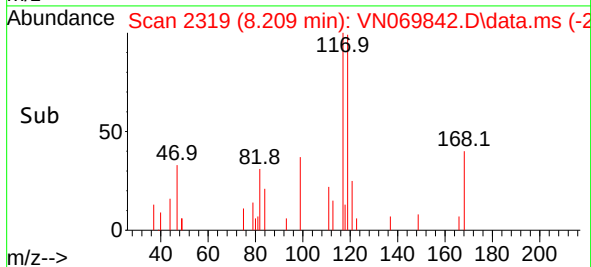
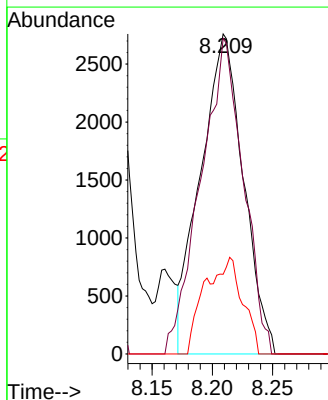
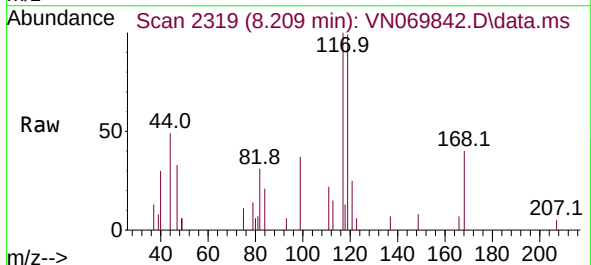
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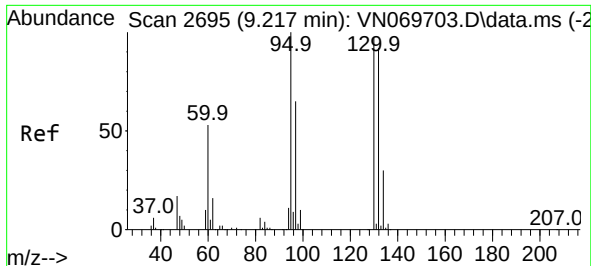
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#38
Carbon Tetrachloride
Concen: 0.312 ug/l
RT: 8.209 min Scan# 2319
Delta R.T. 0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

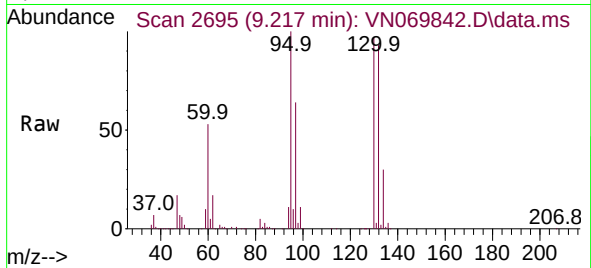
Tgt Ion:117 Resp: 6835
Ion Ratio Lower Upper
117 100
119 98.6 76.1 114.1
121 24.9 24.2 36.2





#44
 Trichloroethene
 Concen: 127.145 ug/l
 RT: 9.217 min Scan# 207554
 Delta R.T. 0.000 min
 Lab File: VN069842.D
 Acq: 8 Dec 2021 4:07

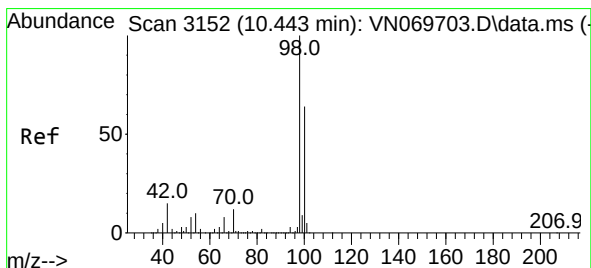
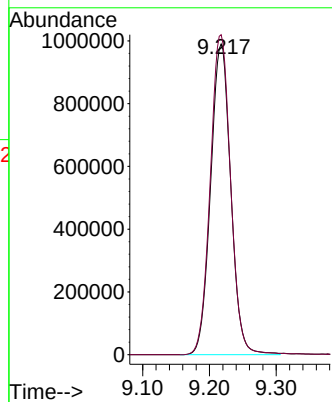
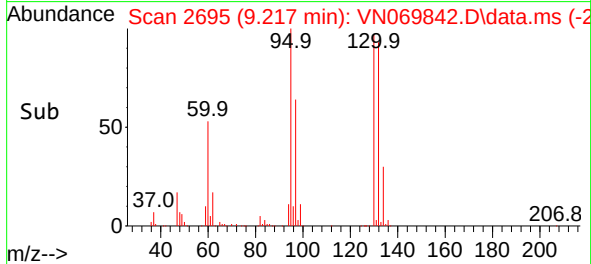
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20211206



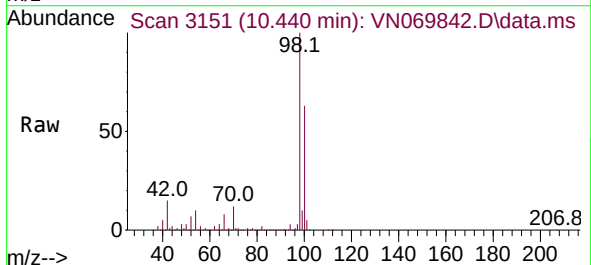
Tgt Ion:130 Resp: 207554
 Ion Ratio Lower Upper
 130 100
 95 103.0 0.0 191.2

Manual Integrations
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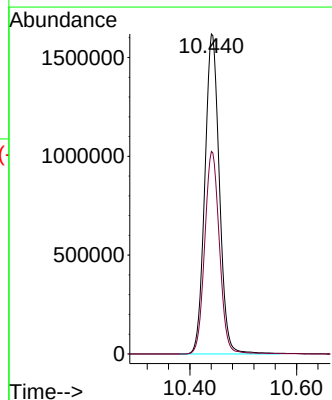
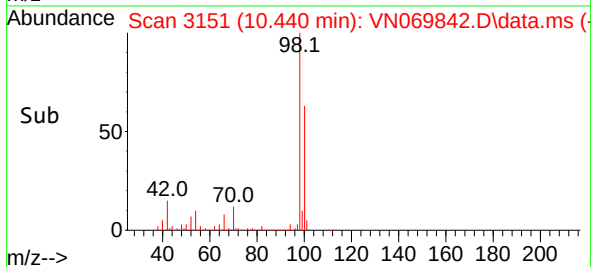
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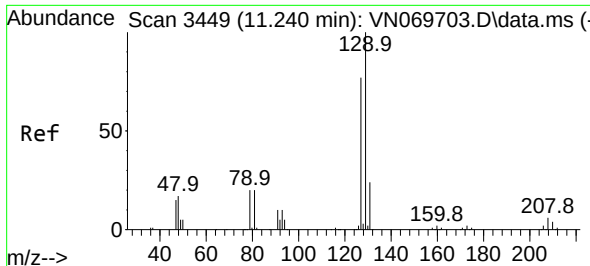


#50
 Toluene-d8
 Concen: 51.605 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: VN069842.D
 Acq: 8 Dec 2021 4:07



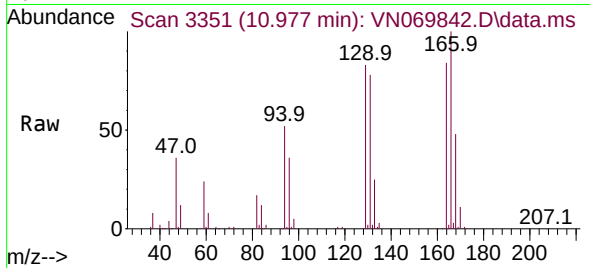
Tgt Ion: 98 Resp: 3050746
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.4 75.6





#60
Dibromochloromethane
Concen: 5.986 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

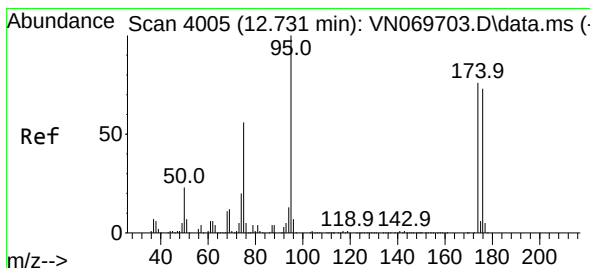
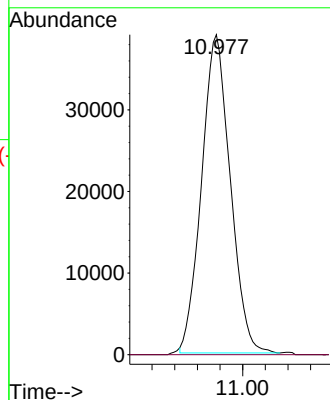
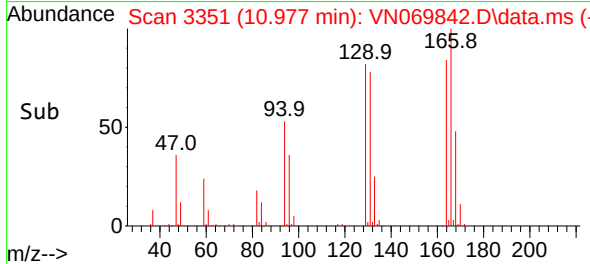
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



Tgt Ion:129 Resp: 68410
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0

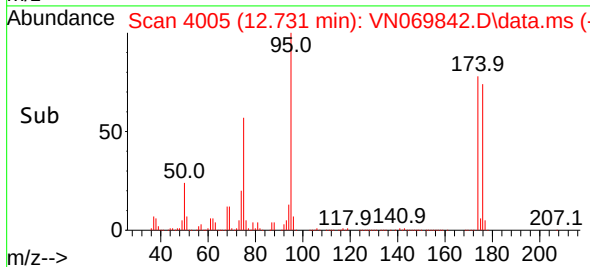
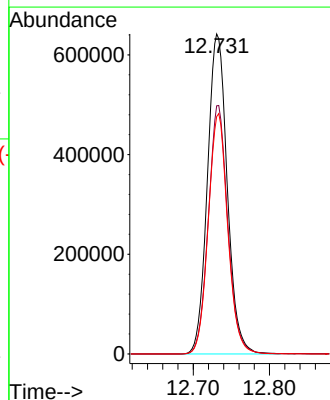
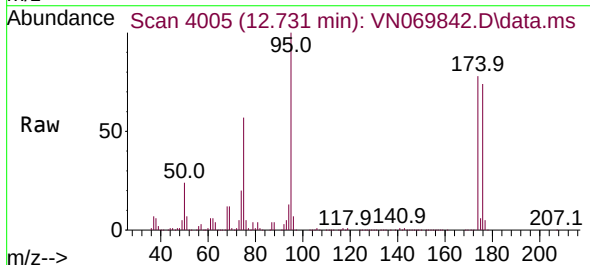
Manual Integrations
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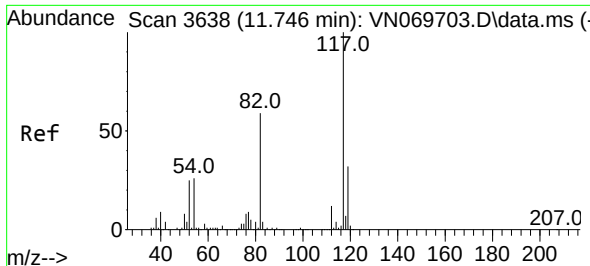
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#62
4-Bromofluorobenzene
Concen: 54.090 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

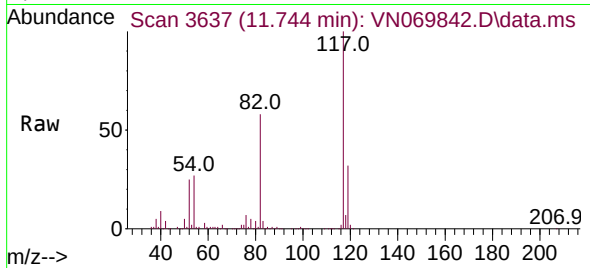
Tgt Ion: 95 Resp: 1158435
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.8 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

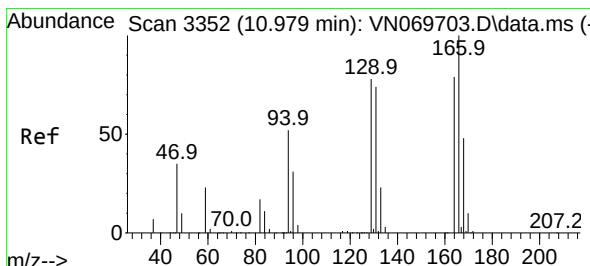
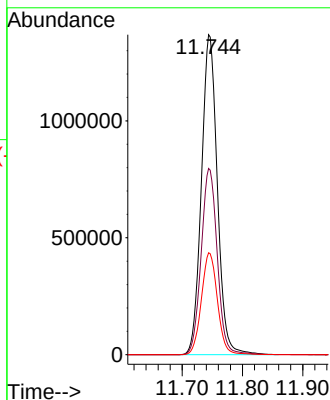
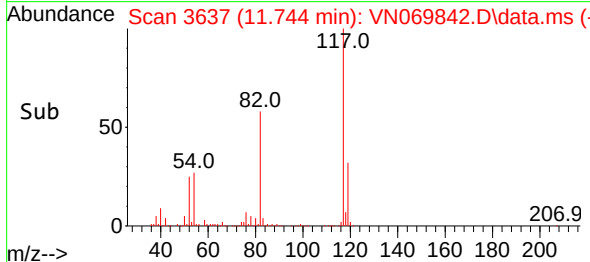
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



Tgt Ion:117 Resp: 251333
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2

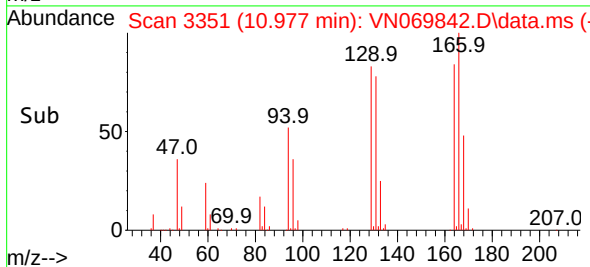
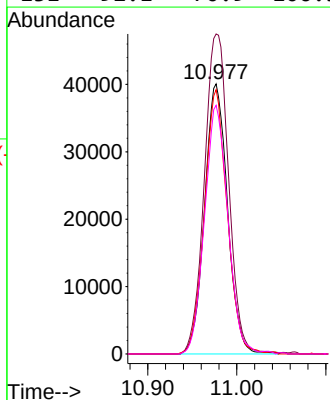
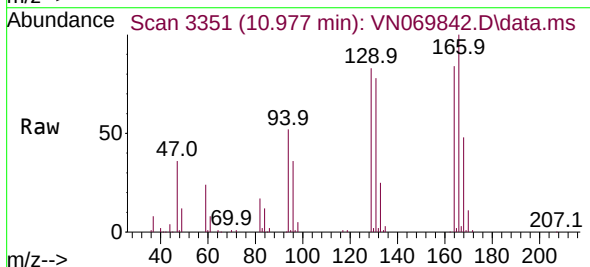
Manual Integrations
APPROVED

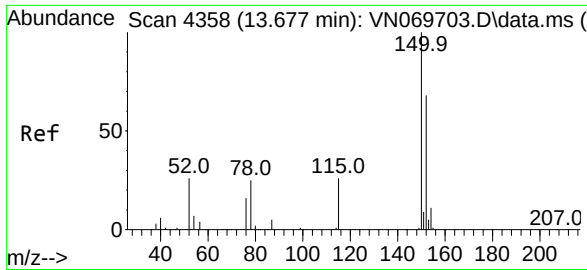
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#64
Tetrachloroethene
Concen: 4.209 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

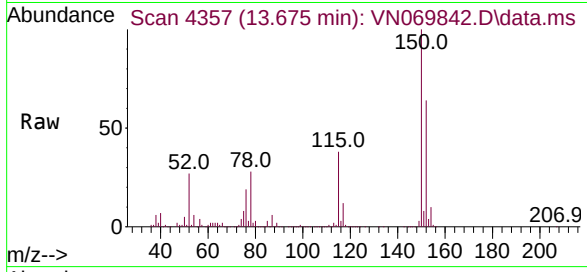
Tgt Ion:164 Resp: 71738
Ion Ratio Lower Upper
164 100
166 118.5 101.9 152.9
129 97.9 72.0 108.0
131 92.1 70.9 106.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069842.D
 Acq: 8 Dec 2021 4:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20211206



Tgt Ion:152 Resp: 92364
 Ion Ratio Lower Upper
 152 100
 115 60.4 27.5 82.5
 150 157.8 0.0 344.4

Manual Integrations
 APPROVED

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

