

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057148.D
 Acq On : 9 Aug 2019 15:50
 Operator : JC/SP
 Sample : K4262-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9R 080719

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:34:50 PM

Quant Time: Aug 10 07:54:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1421037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1991338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1659948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	405728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	656966	44.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.90%	
35) Dibromofluoromethane	6.99	113	602066	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	9.56	98	2304886	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.92	95	598540	38.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.72%	
Target Compounds						
12) 1,1-Dichloroethene	3.44	96	17033	1.409	ug/l	92
16) Acetone	3.49	43	9061m	2.053	ug/l	
18) Methyl Acetate	3.91	43	18379	0.750	ug/l	99
24) 1,1-Dichloroethane	5.25	63	45167	1.917	ug/l	93
27) cis-1,2-Dichloroethene	6.21	96	94793	6.282	ug/l	92
32) 1,1,1-Trichloroethane	6.98	97	60700	2.967	ug/l	96
44) Trichloroethene	8.27	130	124007	8.528	ug/l	94
49) 1,4-Dioxane	8.65	88	1310	5.914	ug/l #	93
64) Tetrachloroethene	10.11	164	1407221	101.937	ug/l	98

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

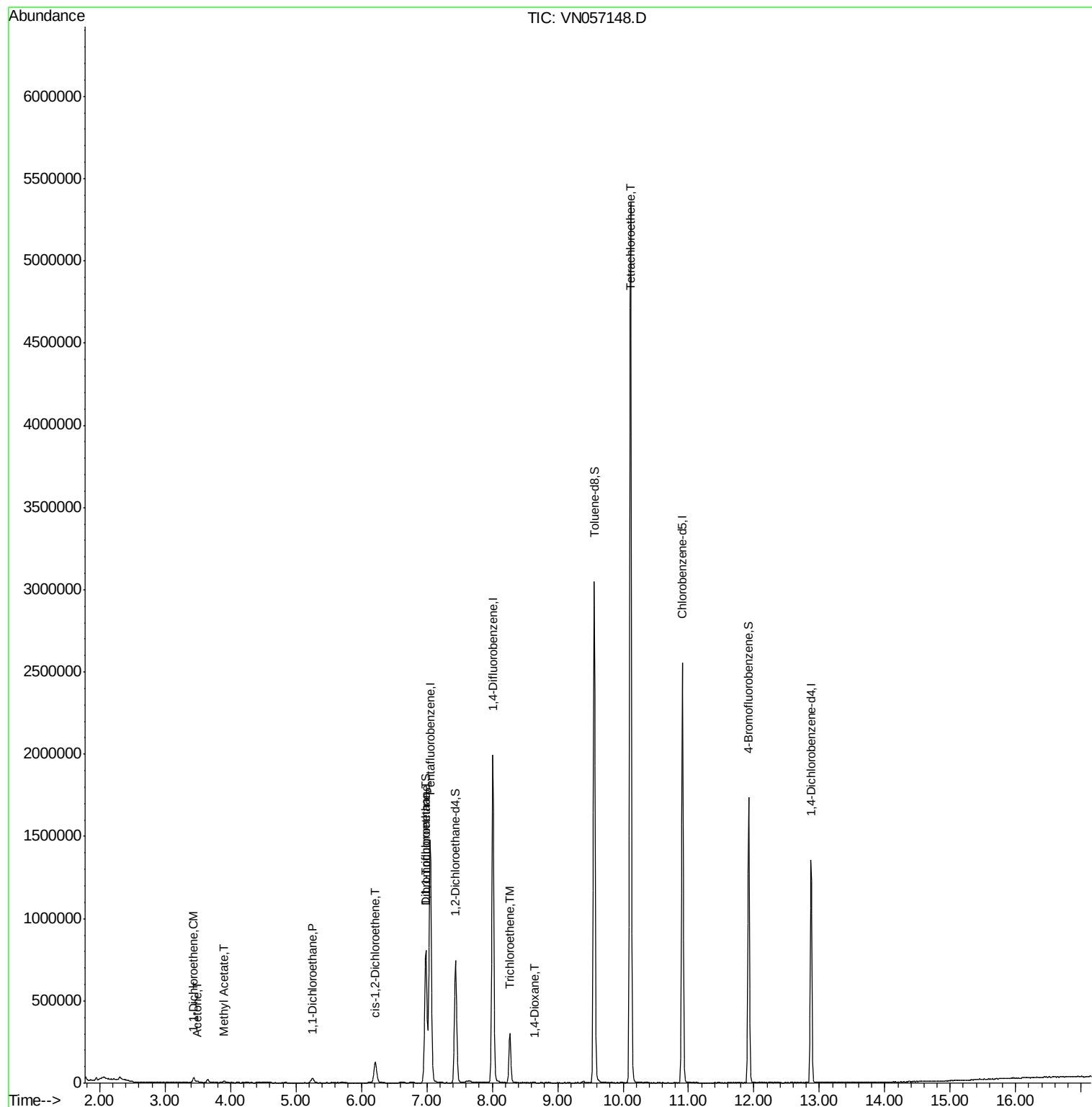
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080919\
Data File : VN057148.D
Acq On : 9 Aug 2019 15:50
Operator : JC/SP
Sample : K4262-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

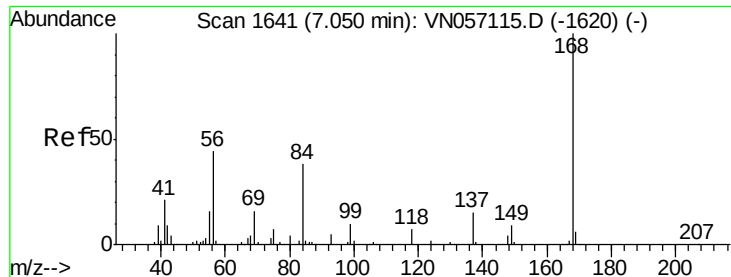
Instrument :
MSVOA_N
ClientSampleId :
MW-9R_080719

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:34:50 PM

Quant Time: Aug 10 07:54:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW-9R_080719

Tot Ion:168 Resp: 1421037

Ion Ratio Lower Upper

168 100

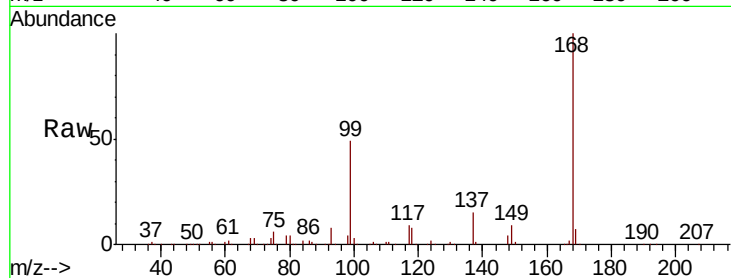
99 48.3 38.6 57.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:34:50 PM



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

600000

500000

400000

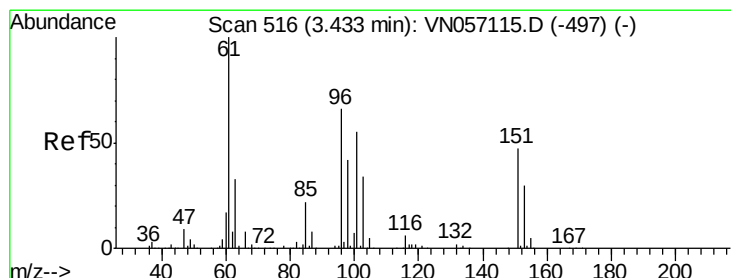
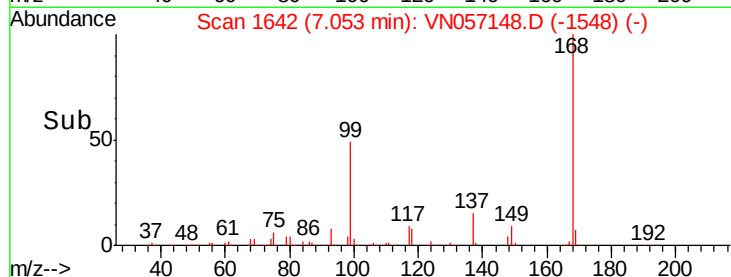
300000

200000

100000

0

Time--> 6.90 7.00 7.10



#12

1,1-Dichloroethene

Concen: 1.409 ug/l

RT: 3.44 min Scan# 517

Delta R.T. 0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

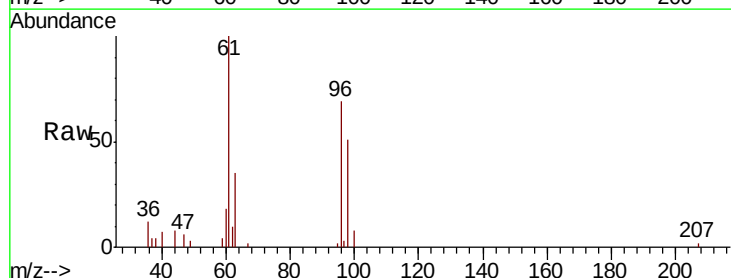
Tgt Ion: 96 Resp: 17033

Ion Ratio Lower Upper

96 100

61 142.7 121.0 181.6

98 73.2 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN057115.D (-497) (-)

Ion 60.90 (60.60 to 61.60): VN057115.D (-497) (-)

Ion 97.90 (97.60 to 98.60): VN057115.D (-497) (-)

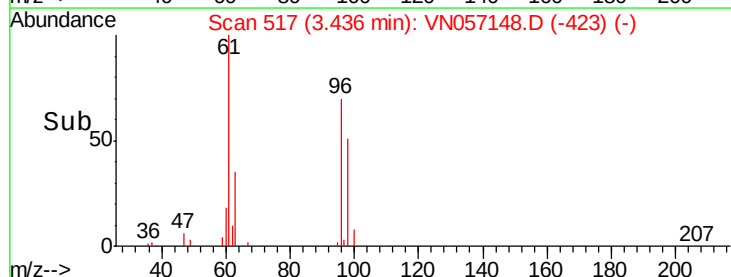
3.44

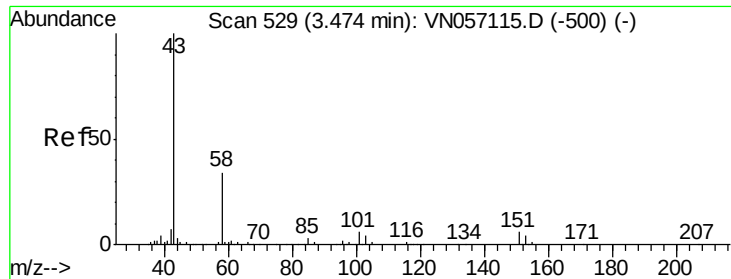
10000

5000

0

Time--> 3.35 3.40 3.45 3.50





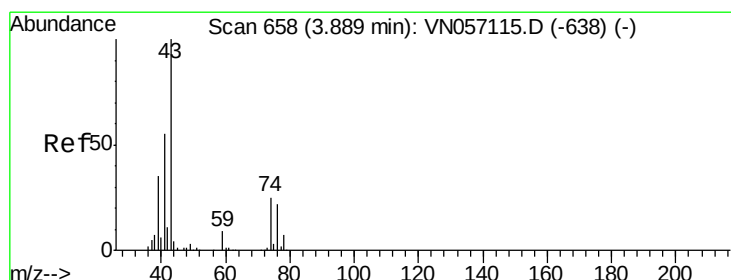
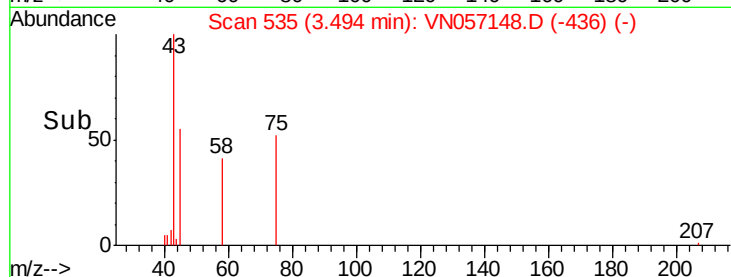
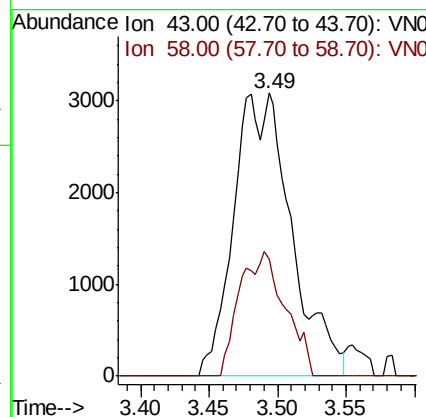
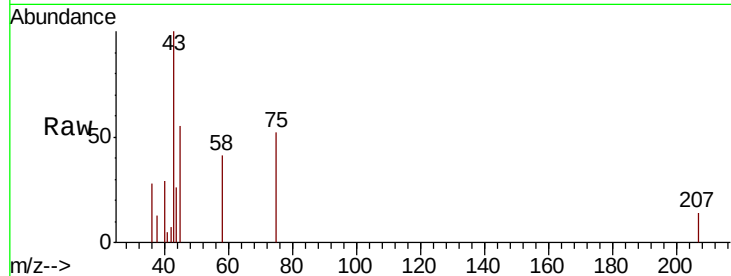
#16
Acetone
Concen: 2.053 ug/l m
RT: 3.49 min Scan# 535
Delta R.T. 0.02 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW-9R_080719

Tot Ion: 43 Resp: 9061
Ion Ratio Lower Upper
43 100
58 41.3 27.4 41.2#

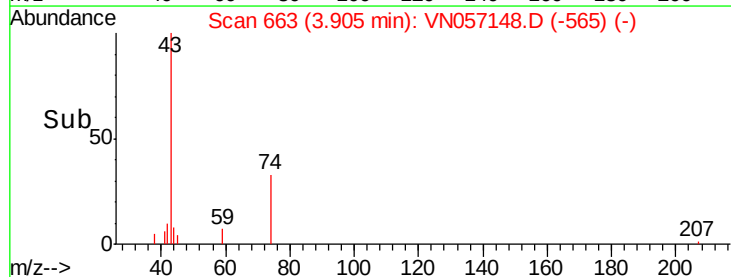
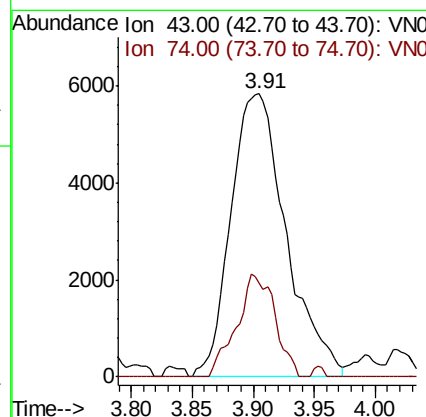
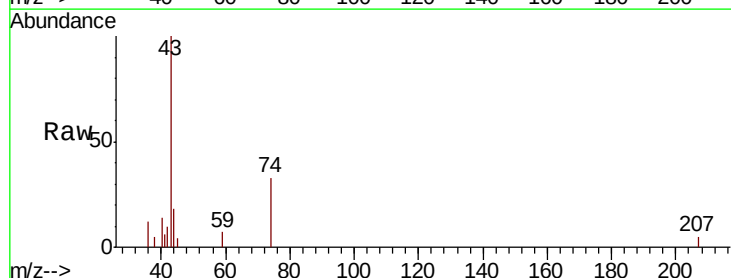
Manual Integrations
APPROVED

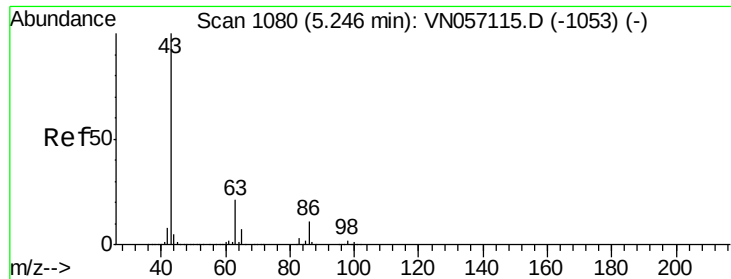
MMDadoda
8/12/2019 3:34:50 PM



#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 3.91 min Scan# 663
Delta R.T. 0.02 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Tgt Ion: 43 Resp: 18379
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.4





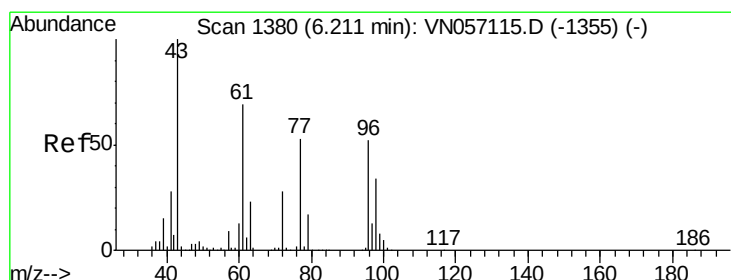
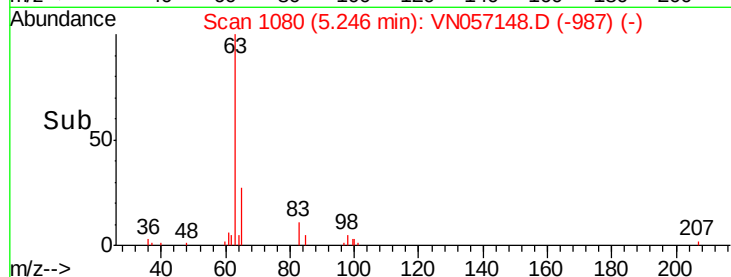
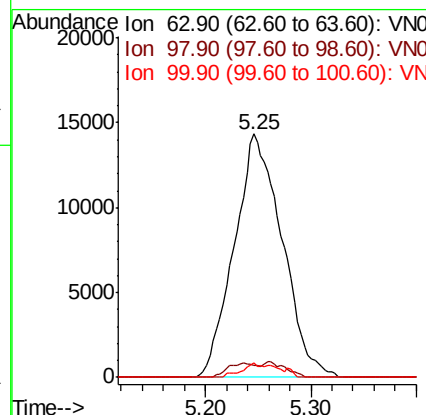
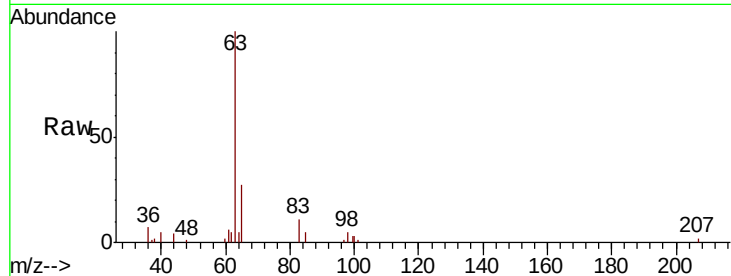
#24
 1,1-Dichloroethane
 Concen: 1.917 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057148.D
 Acq: 9 Aug 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9R_080719

Tot Ion	Ratio	Resp	Lower	Upper
63	100	45167		
98	5.0		3.8	11.2
100	6.0		2.1	6.3

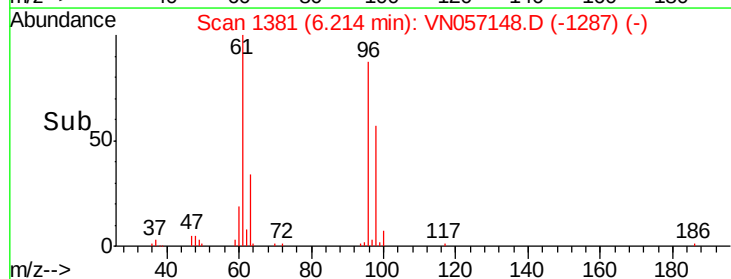
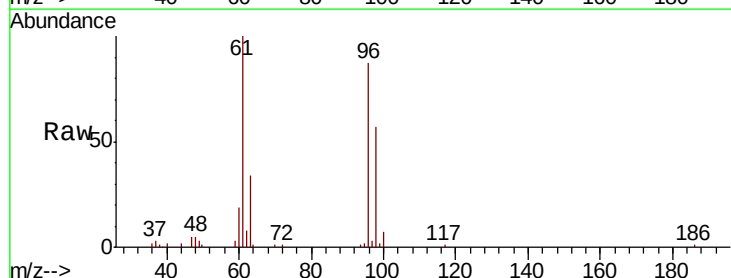
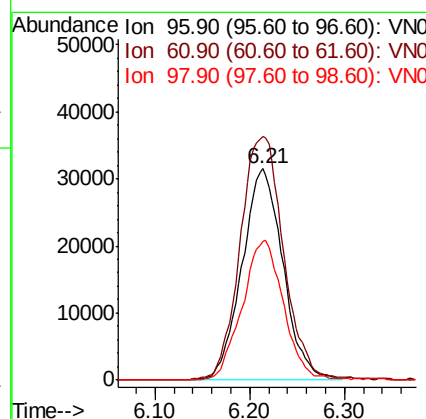
Manual Integrations
 APPROVED

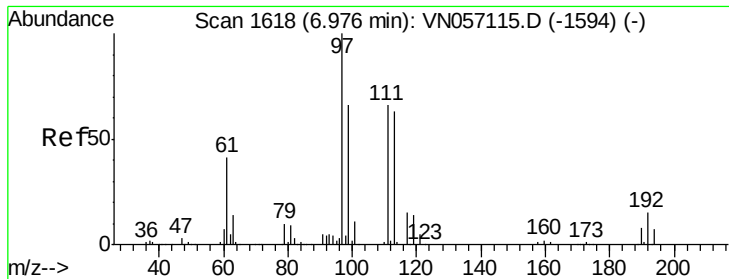
MMDadoda
 8/12/2019 3:34:50 PM



#27
 cis-1,2-Dichloroethene
 Concen: 6.282 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VN057148.D
 Acq: 9 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	94793		
61	122.7		0.0	273.4
98	66.2		0.0	130.4





#32

1,1,1-Trichloroethane

Concen: 2.967 ug/l

RT: 6.98 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

Instrument :

MSVOA_N

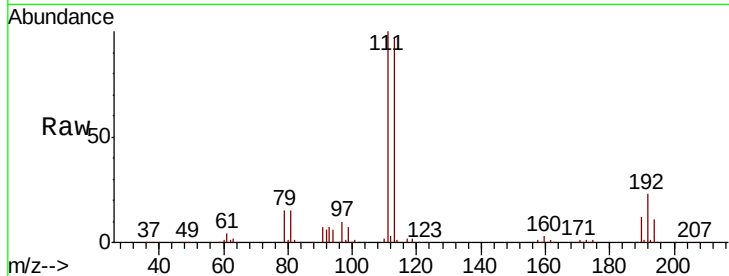
ClientSampleId :

MW-9R 080719

Tot Ion:	97	Resp:	60700
Ion	Ratio	Lower	Upper
97	100		
99	60.2	51.8	77.6
61	41.5	32.7	49.1

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:34:50 PM

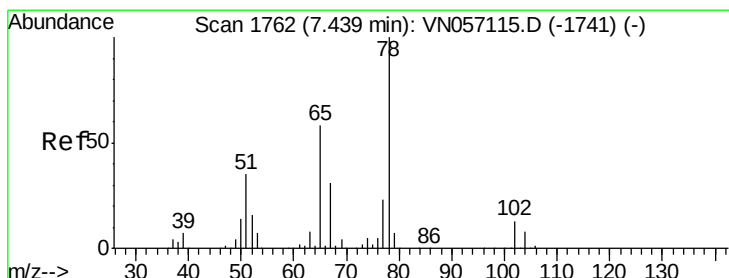
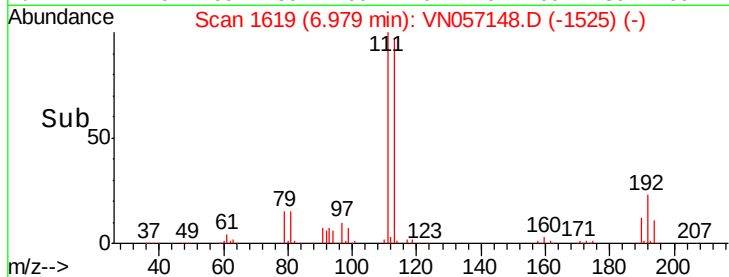
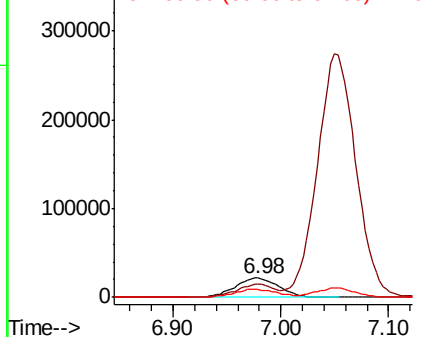


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.954 ug/l

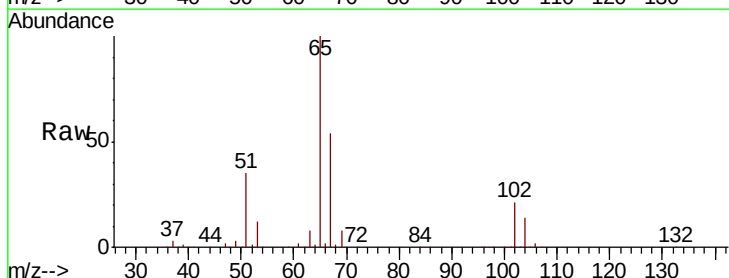
RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

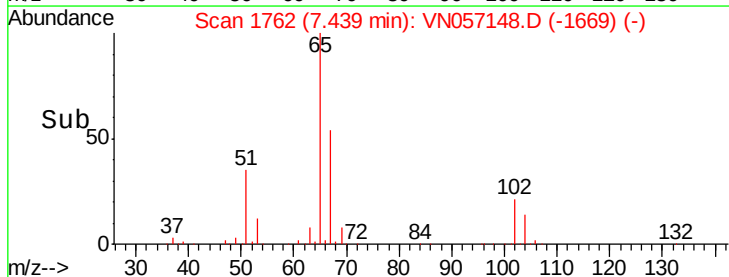
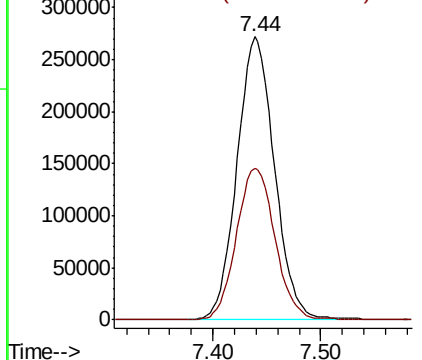
Tgt Ion:	65	Resp:	656966
Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.2

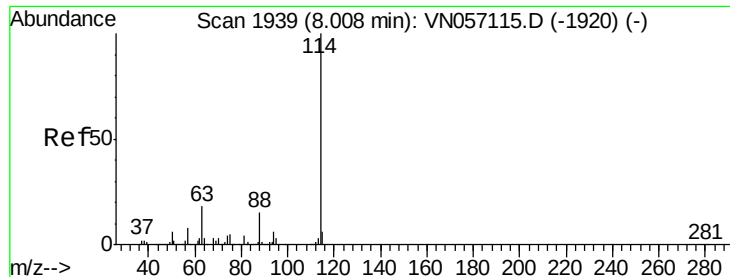


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW-9R_080719

Tot Ion:114 Resp: 1991338

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.2

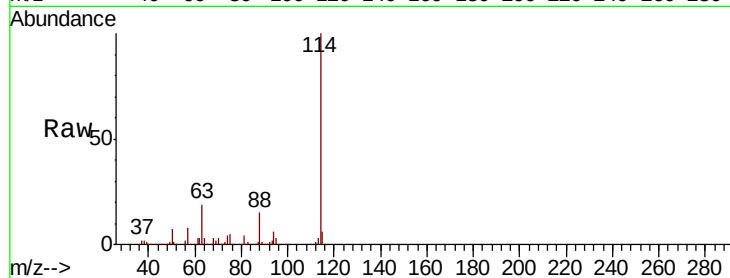
88 15.1 0.0 30.0

Manual Integrations

APPROVED

MMDadoda

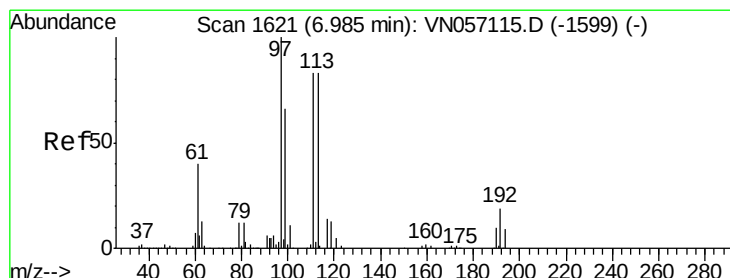
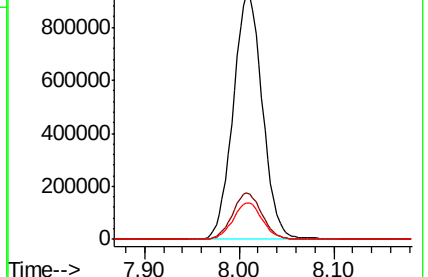
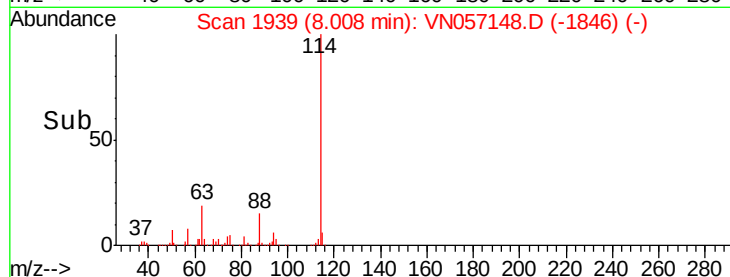
8/12/2019 3:34:50 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.181 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

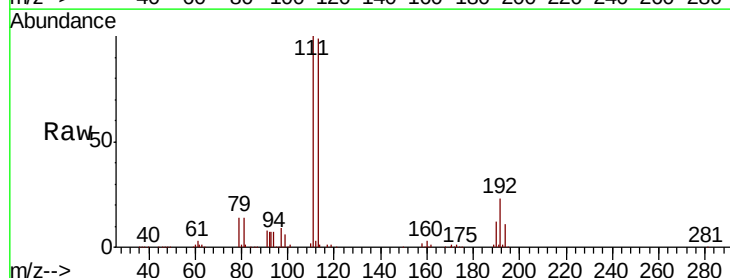
Tgt Ion:113 Resp: 602066

Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

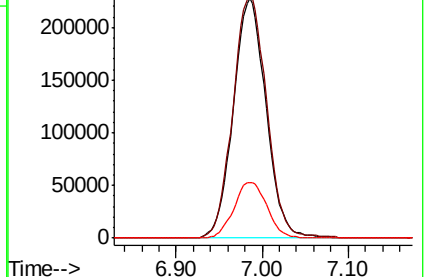
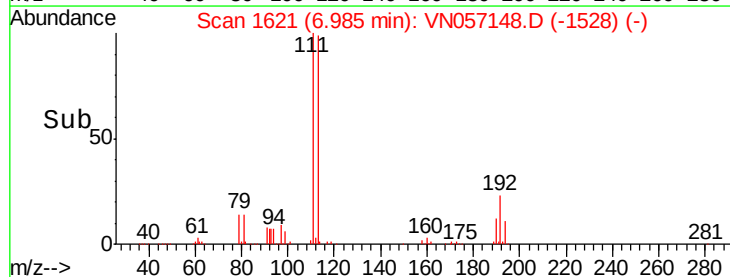
192 23.6 19.0 28.4

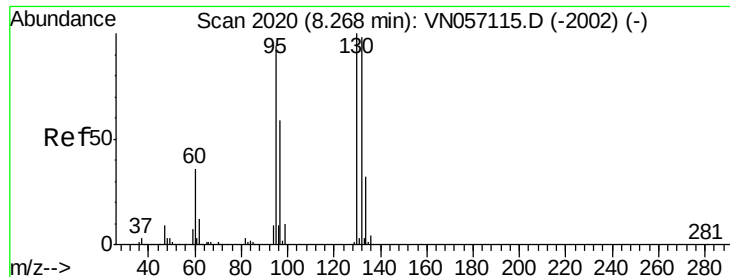


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 8.528 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW-9R 080719

Tot Ion:130 Resp: 124007

Ion Ratio Lower Upper

130 100

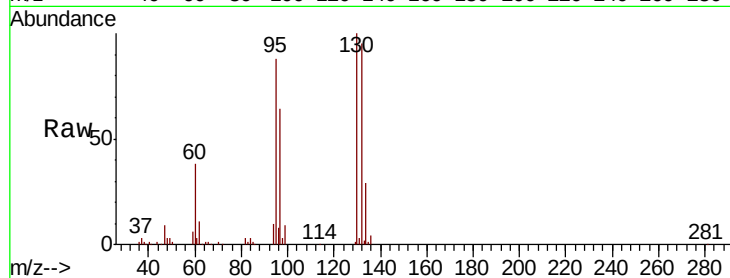
95 88.1 0.0 187.4

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:34:50 PM



Abundance Ion 129.80 (129.50 to 130.50): VN057148.D (-1927) (-)

Ion 94.90 (94.60 to 95.60): VN057148.D (-1927) (-)

8.27

60000

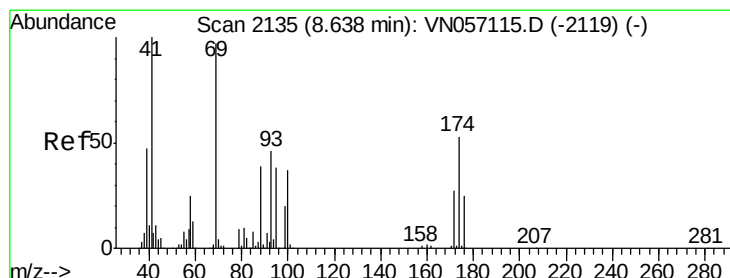
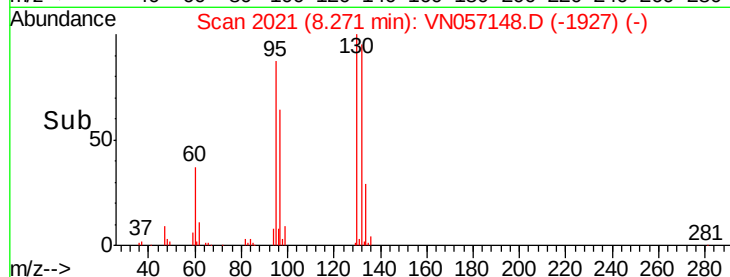
40000

20000

0

8.20 8.25 8.30 8.35

Time-->



#49

1,4-Dioxane

Concen: 5.914 ug/l

RT: 8.65 min Scan# 2138

Delta R.T. 0.01 min

Lab File: VN057148.D

Acq: 9 Aug 2019 15:50

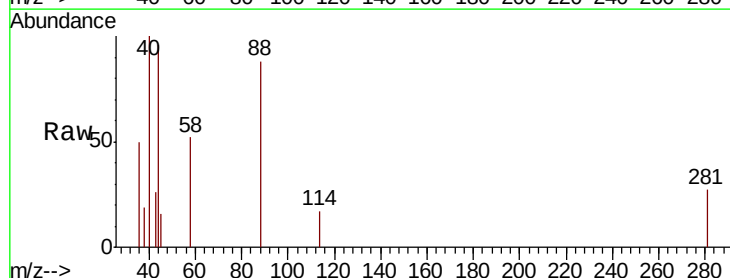
Tgt Ion: 88 Resp: 1310

Ion Ratio Lower Upper

88 100

43 21.0 21.7 32.5#

58 60.0 51.1 76.7



Abundance Ion 88.00 (87.70 to 88.70): VN057148.D (-2042) (-)

Ion 43.00 (42.70 to 43.70): VN057148.D (-2042) (-)

Ion 58.00 (57.70 to 58.70): VN057148.D (-2042) (-)

8.65

1000

800

600

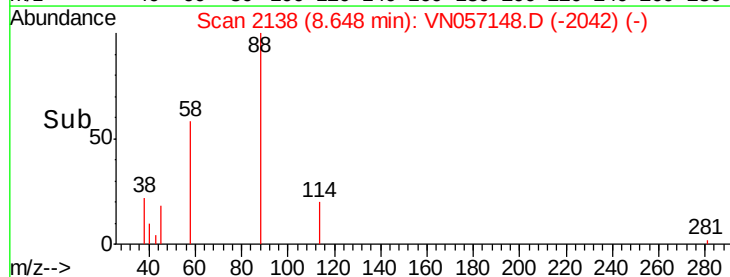
400

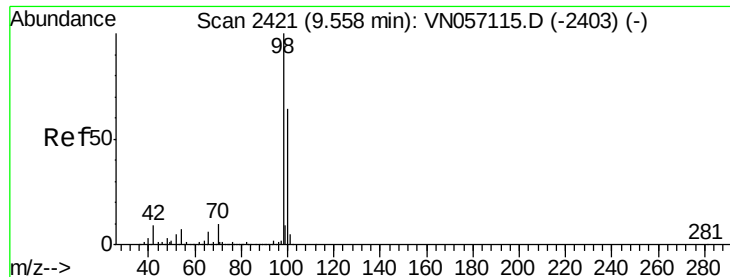
200

0

8.60 8.65

Time-->





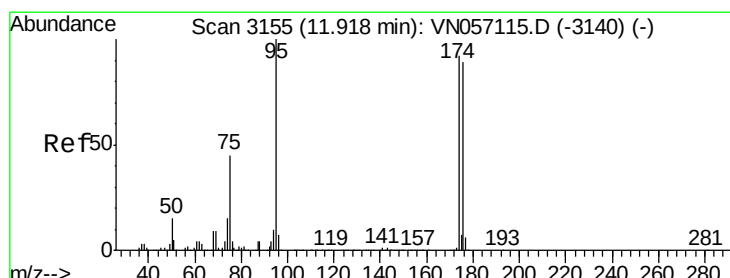
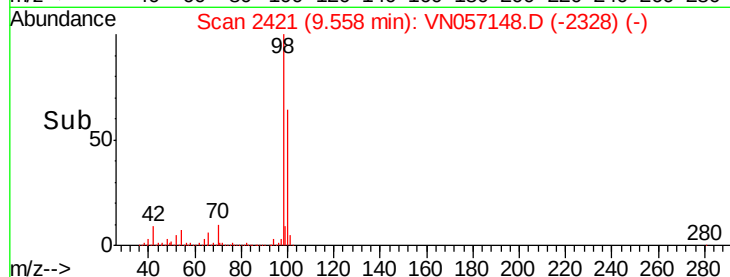
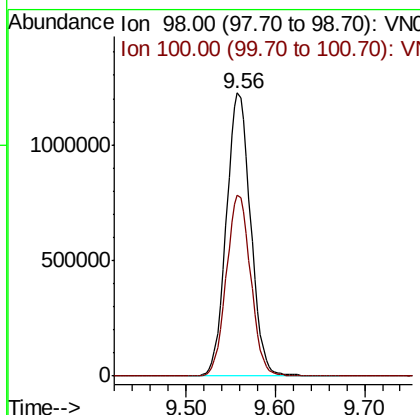
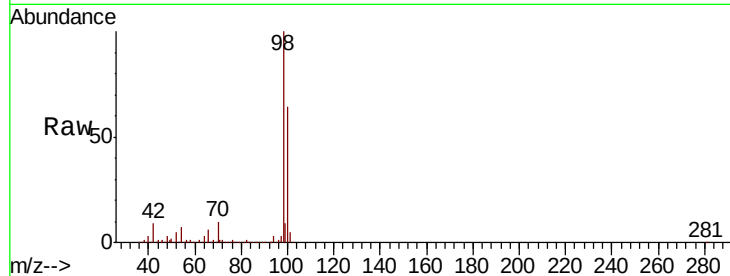
#50
Toluene-d8
Concen: 48.212 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW-9R_080719

Tot Ion: 98 Resp: 2304886
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

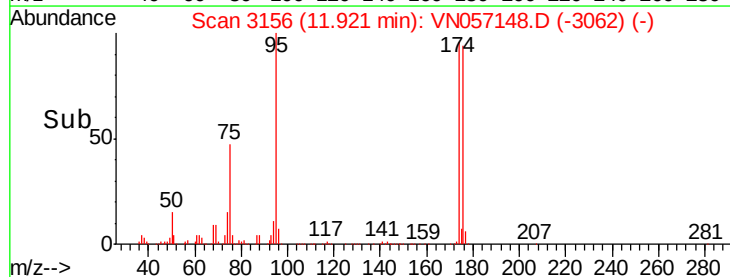
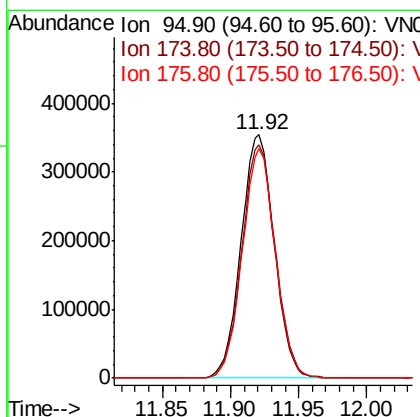
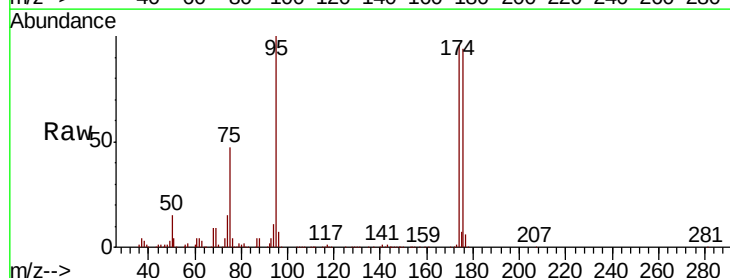
Manual Integrations
APPROVED

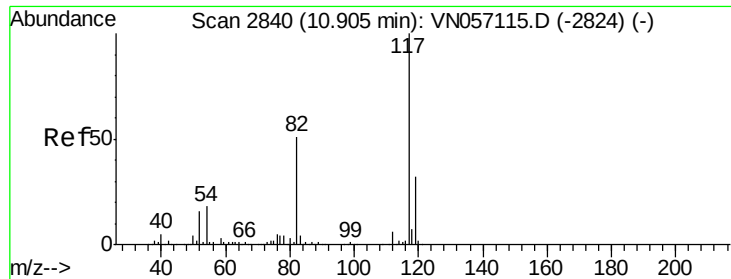
MMDadoda
8/12/2019 3:34:50 PM



#62
4-Bromofluorobenzene
Concen: 38.856 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Tgt Ion: 95 Resp: 598540
Ion Ratio Lower Upper
95 100
174 96.5 0.0 185.0
176 93.6 0.0 181.2





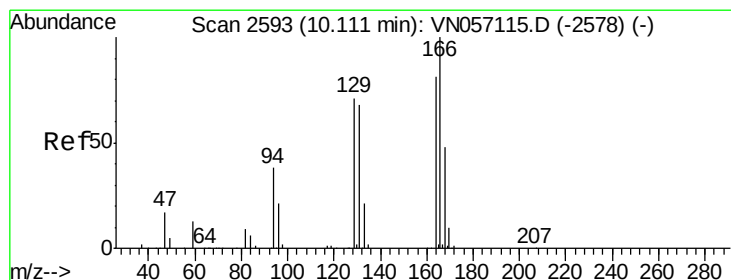
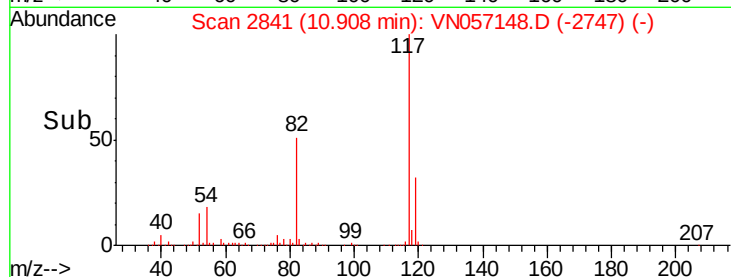
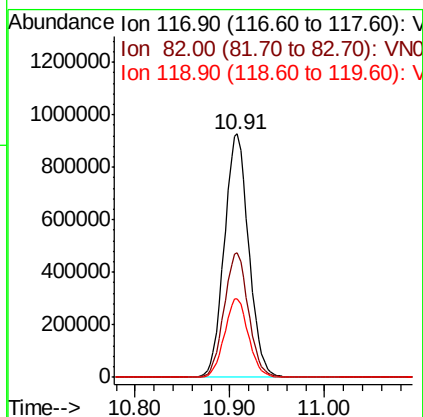
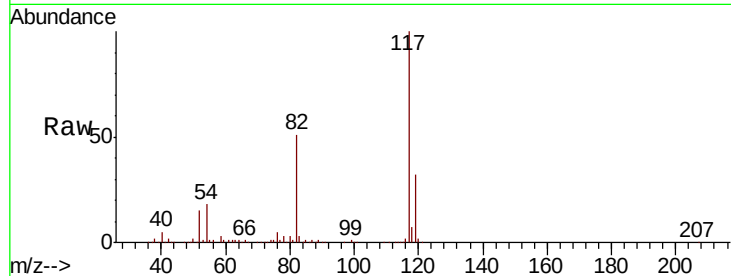
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW-9R_080719

Tot Ion:117 Resp: 1659948
Ion Ratio Lower Upper
117 100
82 50.9 40.8 61.2
119 32.3 25.7 38.5

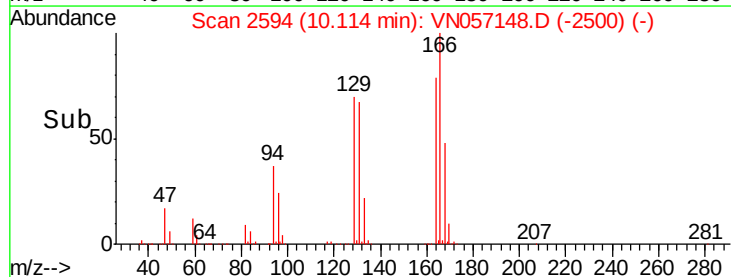
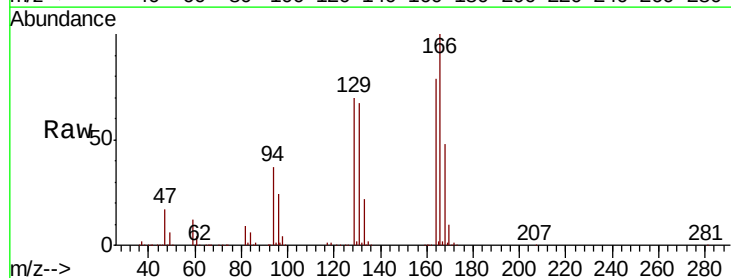
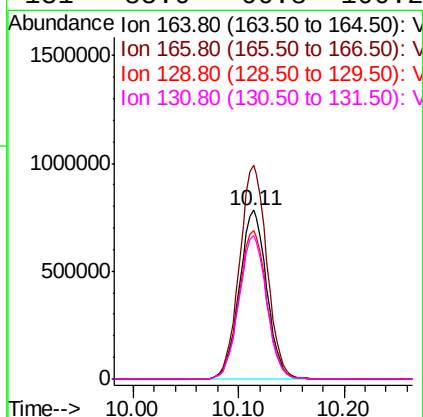
Manual Integrations
APPROVED

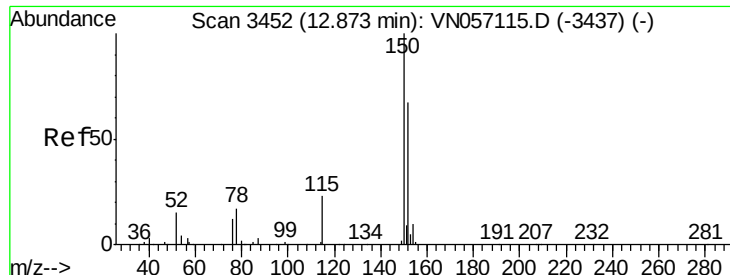
MMDadoda
8/12/2019 3:34:50 PM



#64
Tetrachloroethene
Concen: 101.937 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057148.D
Acq: 9 Aug 2019 15:50

Tgt Ion:164 Resp: 1407221
Ion Ratio Lower Upper
164 100
166 126.5 98.3 147.5
129 88.3 69.8 104.6
131 85.0 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057148.D

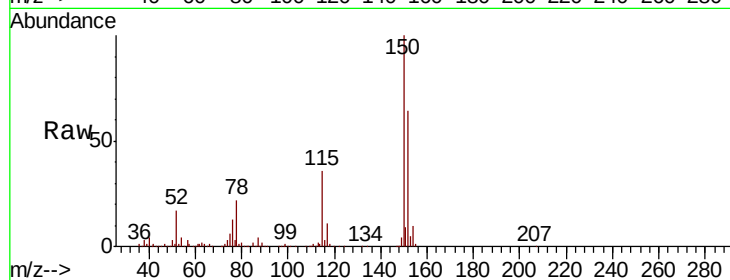
Acq: 9 Aug 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW-9R_080719



Tot Ion:152 Resp: 405728

Ion Ratio Lower Upper

152 100

115 55.5 27.5 82.5

150 157.7 0.0 341.6

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:34:50 PM

