

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057147.D
 Acq On : 9 Aug 2019 15:26
 Operator : JC/SP
 Sample : K4262-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:34:46 PM

Quant Time: Aug 22 07:46:25 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	1432333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	2001281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1790262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	641505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	635251	43.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.24%	
35) Dibromofluoromethane	6.99	113	590428	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
50) Toluene-d8	9.56	98	2403096	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.92	95	764346	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.11	62	10330	0.727	ug/l	97
12) 1,1-Dichloroethene	3.43	96	81184	6.661	ug/l	92
16) Acetone	3.48	43	22837	5.133	ug/l	91
27) cis-1,2-Dichloroethene	6.21	96	1306759	85.916	ug/l	92
30) Chloroform	6.76	83	18988	0.772	ug/l	87
32) 1,1,1-Trichloroethane	6.98	97	66827	3.241	ug/l	97
38) Carbon Tetrachloride	7.19	117	41636	2.425	ug/l	90
44) Trichloroethene	8.27	130	13164183	900.787	ug/l	99
52) Toluene	9.63	92	1527212	47.167	ug/l	99
64) Tetrachloroethene	10.10	164	49818354m	3346.075	ug/l	
67) Ethyl Benzene	11.01	91	38531	0.622	ug/l	94
68) m/p-Xylenes	11.12	106	16166	0.708	ug/l	92
69) o-Xylene	11.46	106	10080	0.443	ug/l	95
90) Hexachloroethane	13.41	117	13813	0.827	ug/l	92

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

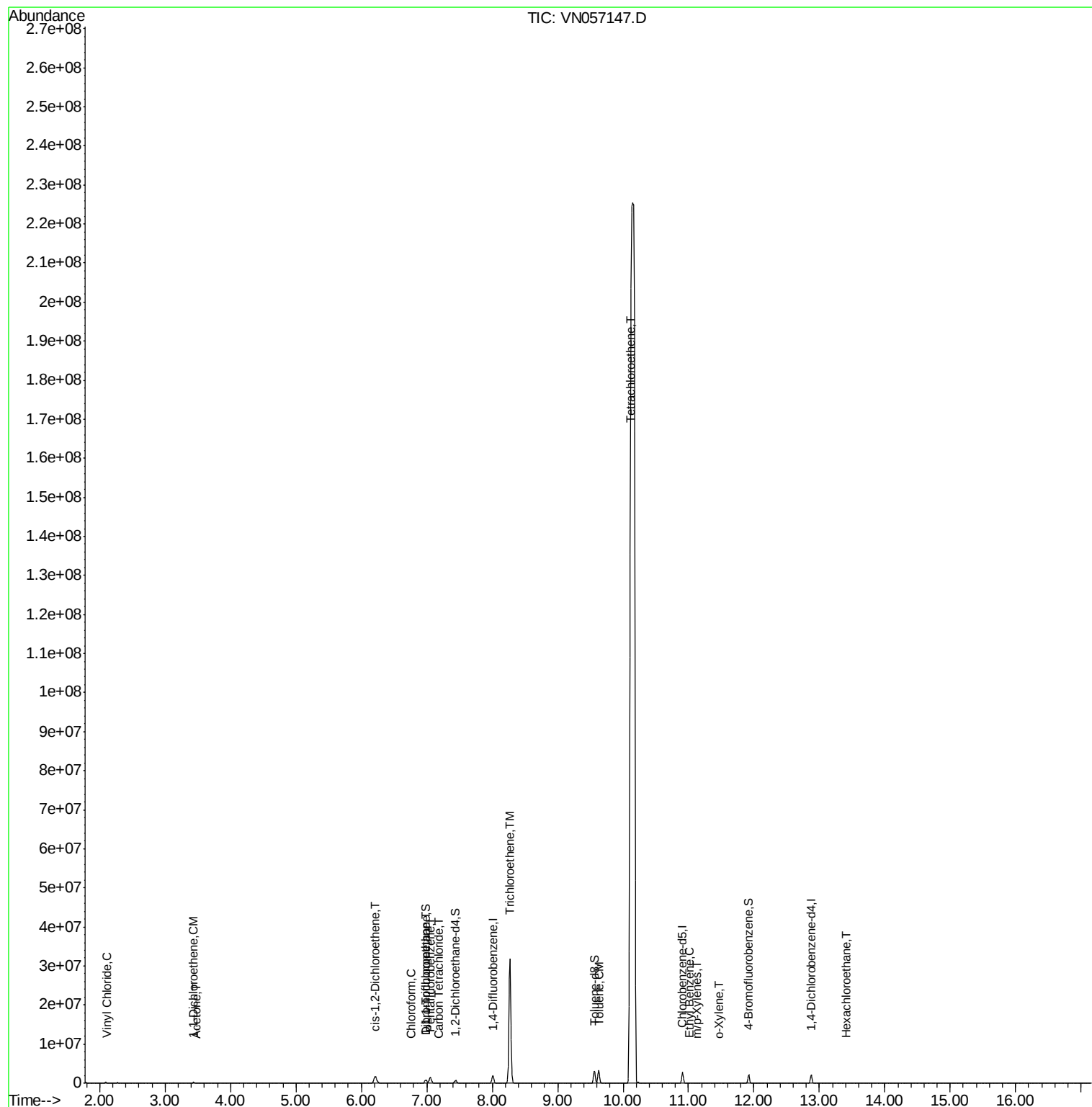
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080919\
Data File : VN057147.D
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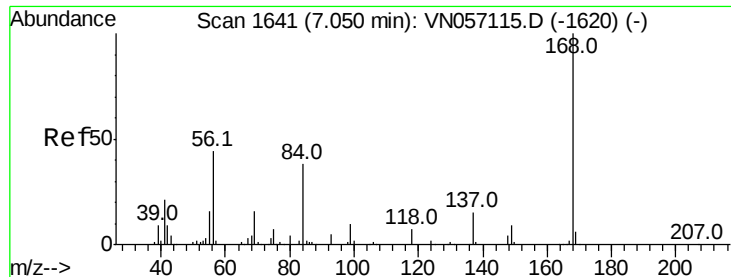
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

Tot Ion:168 Resp: 1432333

Ion Ratio Lower Upper

168 100

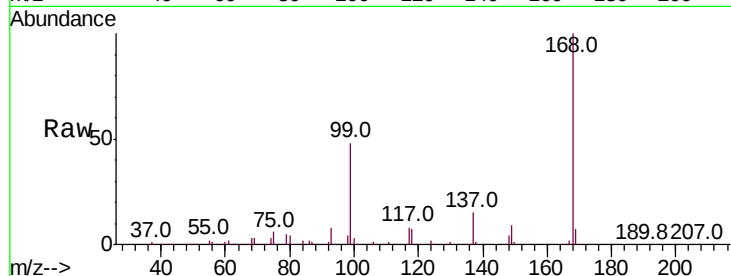
99 47.9 38.6 57.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

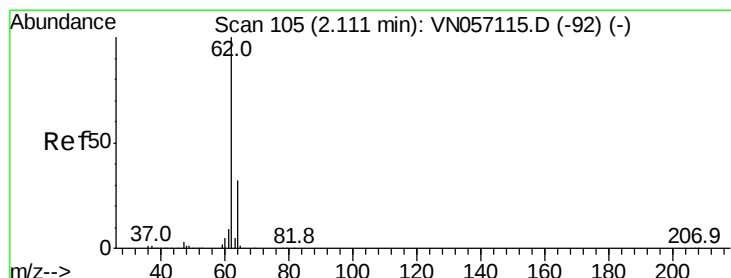
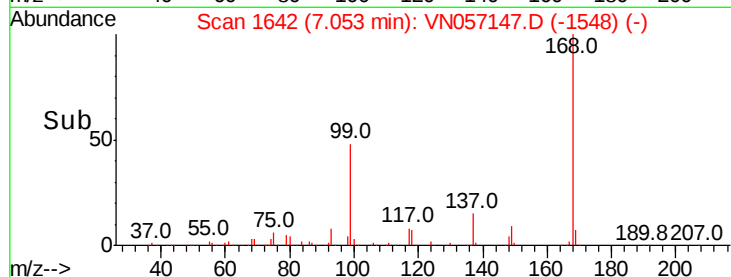
400000

200000

0

7.05

Time--> 6.90 7.00 7.10



#4

Vinyl Chloride

Concen: 0.727 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057147.D

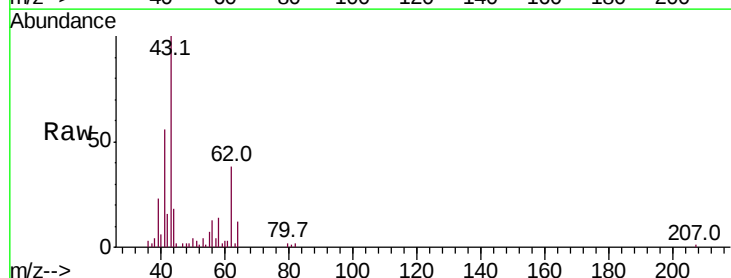
Acq: 9 Aug 2019 15:26

Tgt Ion: 62 Resp: 10330

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

8000

6000

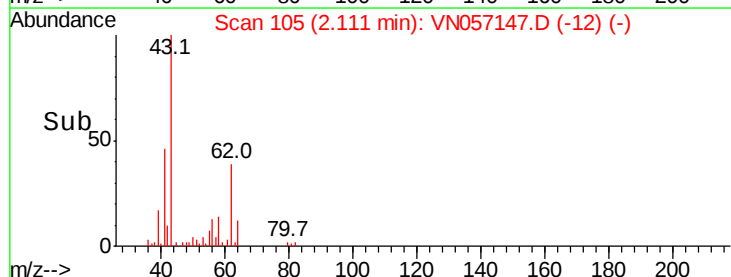
4000

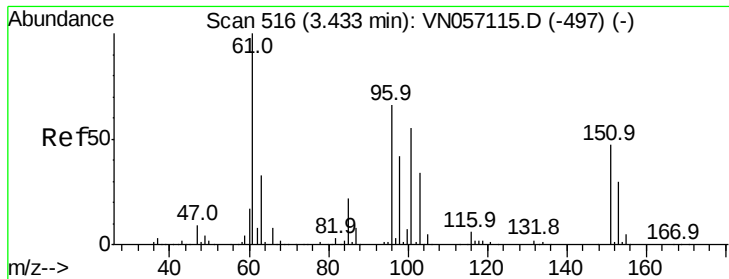
2000

0

2.11

Time--> 2.05 2.10 2.15





#12

1,1-Dichloroethene

Concen: 6.661 ug/l

RT: 3.43 min Scan# 516

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

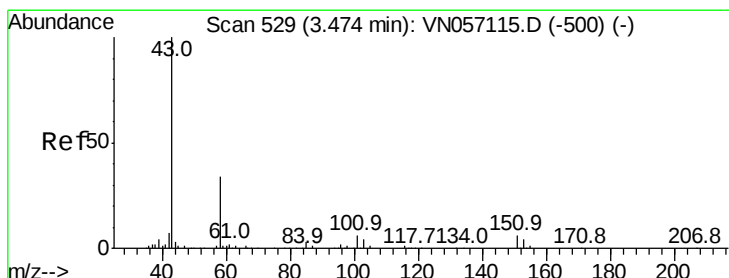
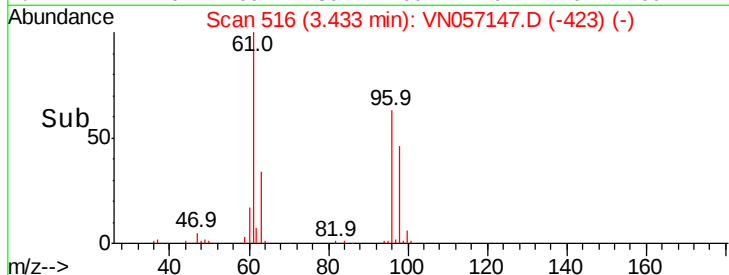
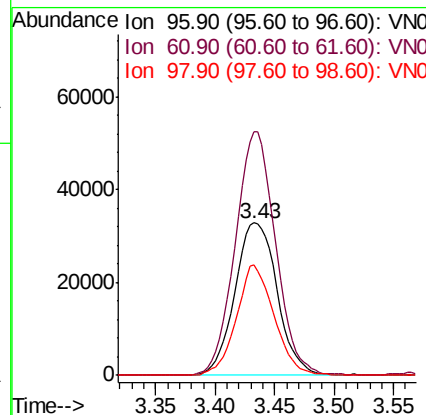
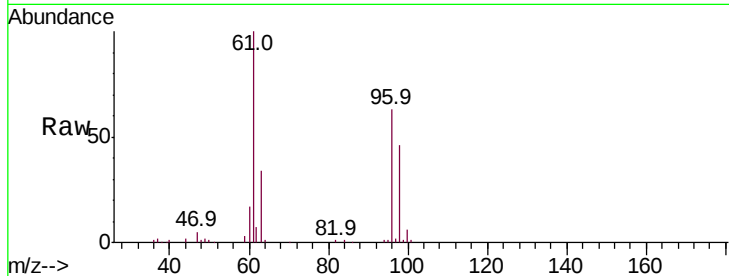
ClientSampleId :

MW-23S_080719

Tot Ion:	96	Resp:	81184
Ion	Ratio	Lower	Upper
96	100		
61	159.4	121.0	181.6
98	72.6	50.8	76.2

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#16

Acetone

Concen: 5.133 ug/l

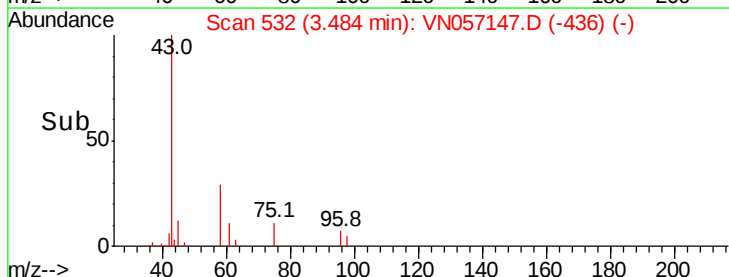
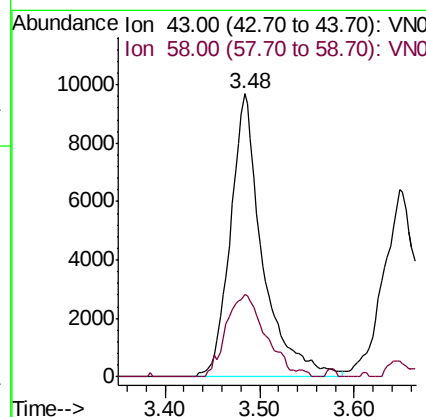
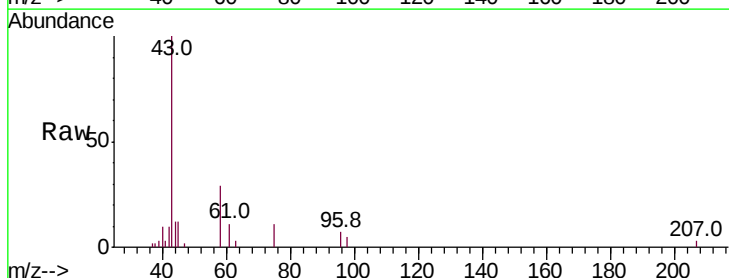
RT: 3.48 min Scan# 532

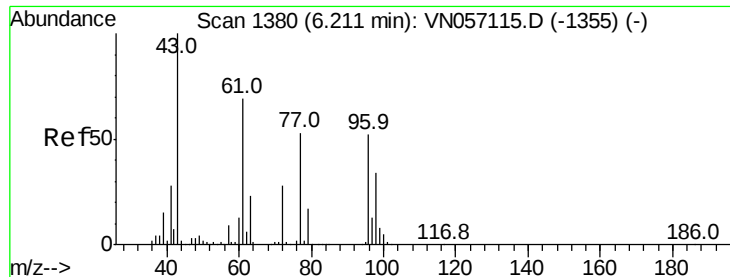
Delta R.T. 0.01 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion:	43	Resp:	22837
Ion	Ratio	Lower	Upper
43	100		
58	29.0	27.4	41.2





#27

cis-1,2-Dichloroethene

Concen: 85.916 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

Tot Ion: 96 Resp: 1306759

Ion Ratio Lower Upper

96 100

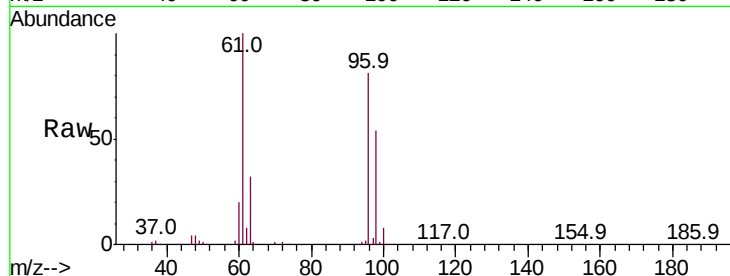
61 121.7 0.0 273.4

98 65.2 0.0 130.4

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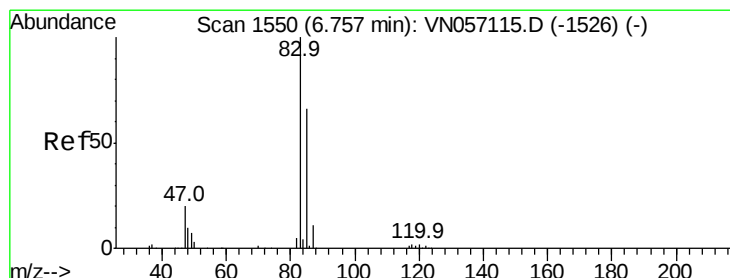
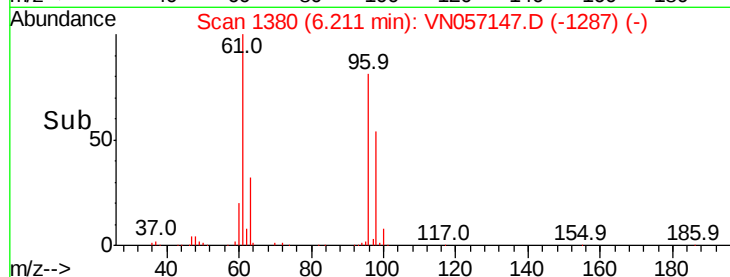
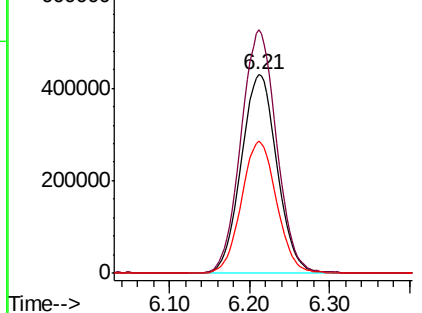
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Abundance Ion 95.90 (95.60 to 96.60): VN057147.D (-1287) (-)

Ion 60.90 (60.60 to 61.60): VN057147.D (-1287) (-)

Ion 97.90 (97.60 to 98.60): VN057147.D (-1287) (-)



#30

Chloroform

Concen: 0.772 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057147.D

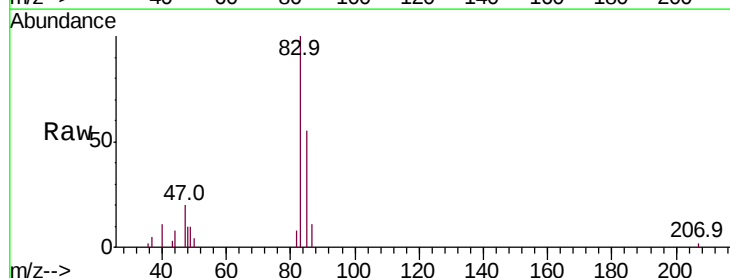
Acq: 9 Aug 2019 15:26

Tgt Ion: 83 Resp: 18988

Ion Ratio Lower Upper

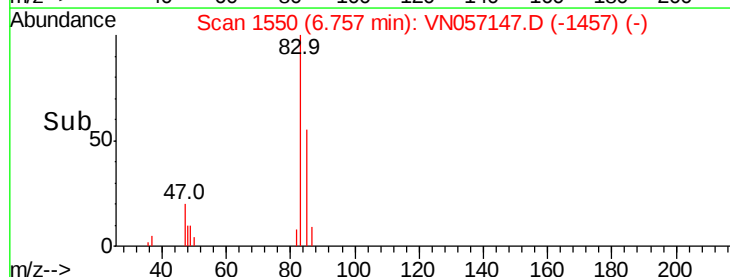
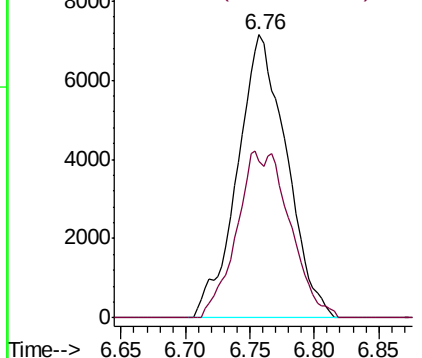
83 100

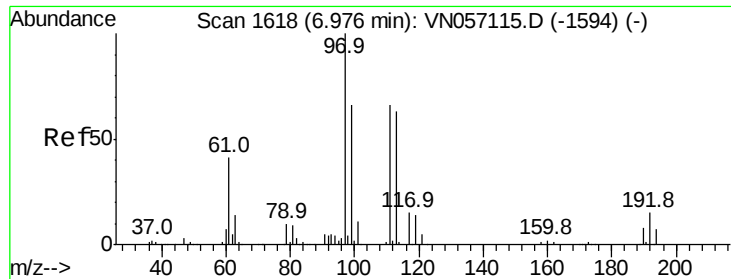
85 55.2 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN057147.D (-1457) (-)

Ion 84.90 (84.60 to 85.60): VN057147.D (-1457) (-)





#32

1,1,1-Trichloroethane

Concen: 3.241 ug/l

RT: 6.98 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

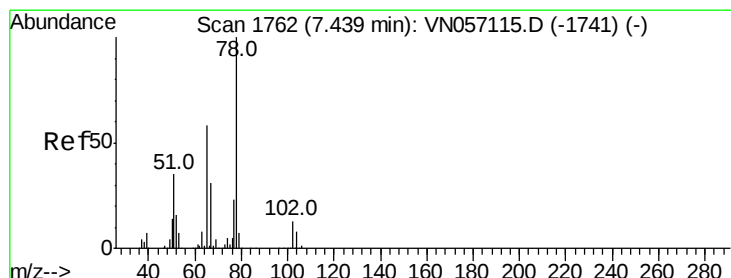
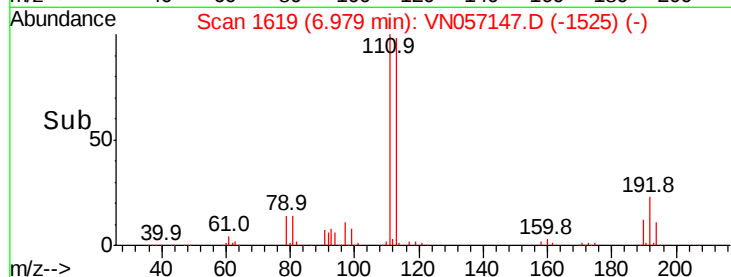
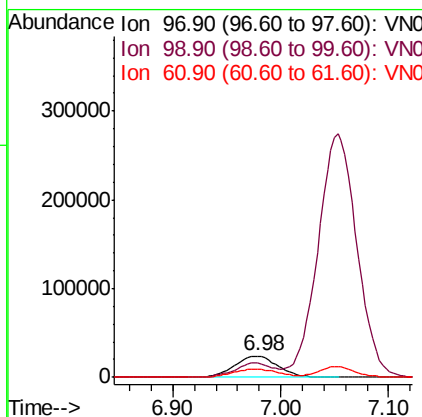
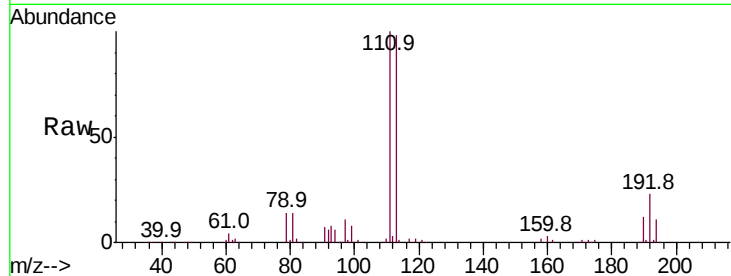
ClientSampleId :

MW-23S_080719

Tot Ion:	97	Resp:	66827
Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.8	77.6
61	41.2	32.7	49.1

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#33

1,2-Dichloroethane-d4

Concen: 43.125 ug/l

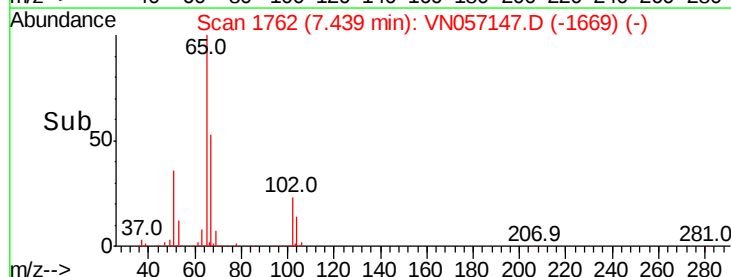
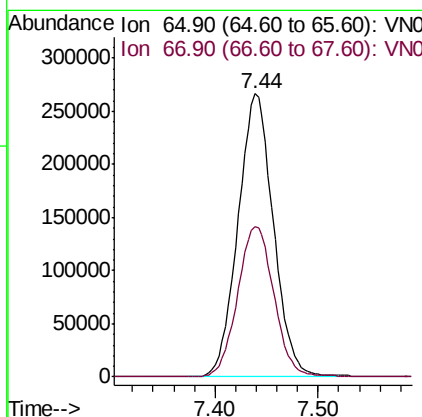
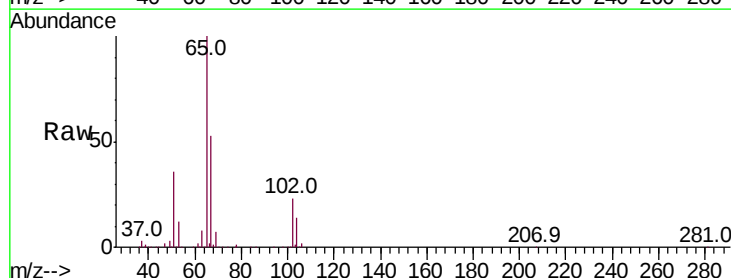
RT: 7.44 min Scan# 1762

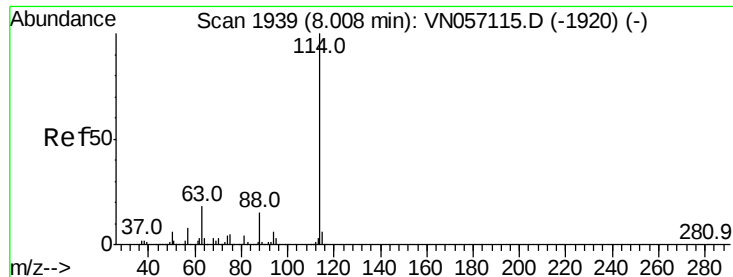
Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion:	65	Resp:	635251
Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

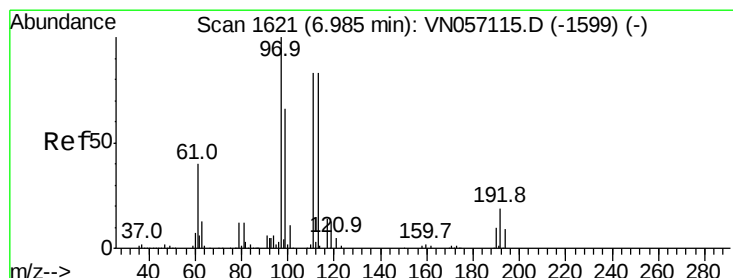
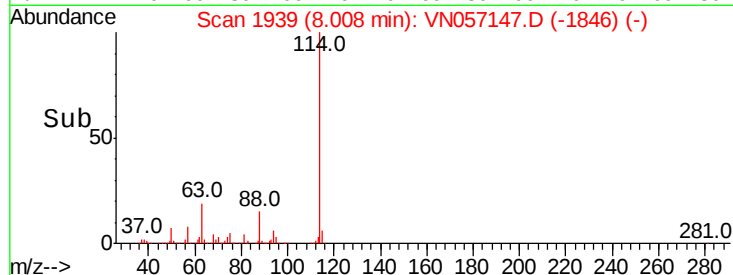
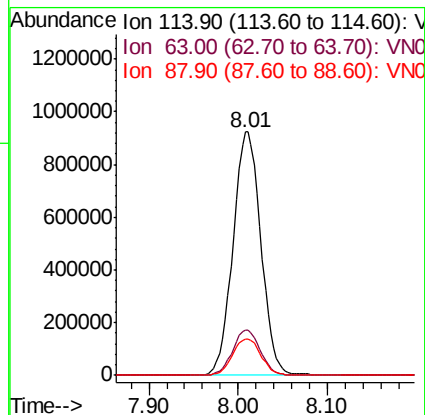
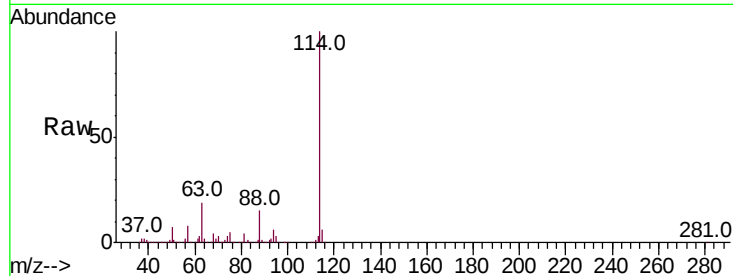
ClientSampleId :

MW-23S_080719

Tot Ion:	114	Resp:	2001281
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	36.2
88	15.1	0.0	30.0

Manual Integrations
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#35

Dibromofluoromethane

Concen: 47.015 ug/l

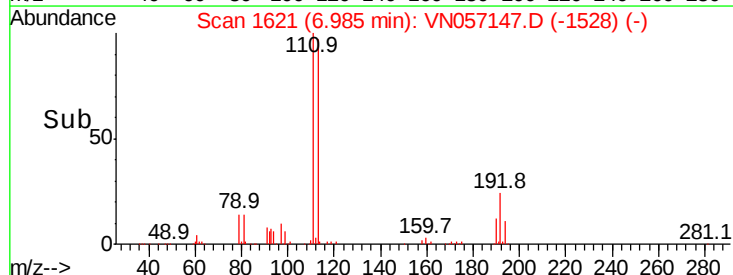
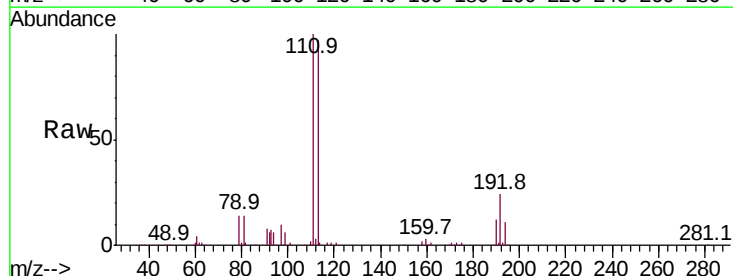
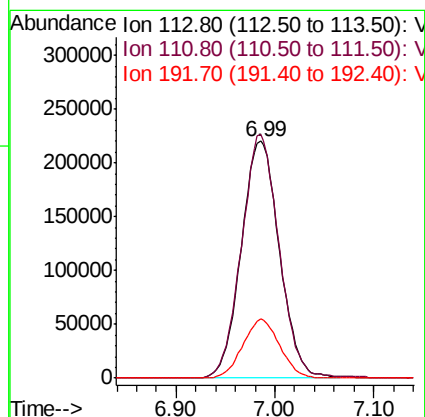
RT: 6.99 min Scan# 1621

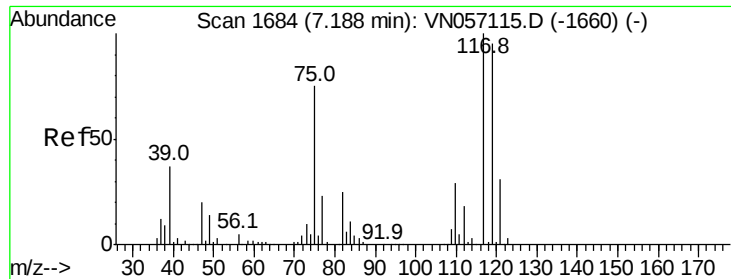
Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion:	113	Resp:	590428
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.3	121.9
192	24.1	19.0	28.4





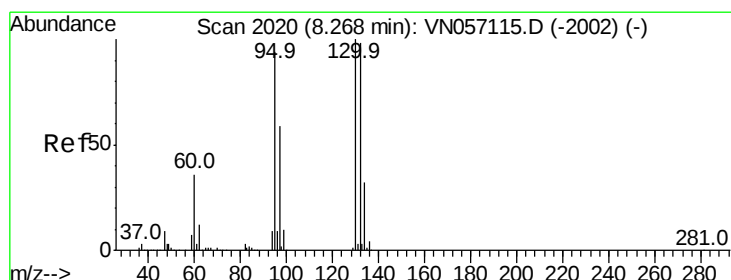
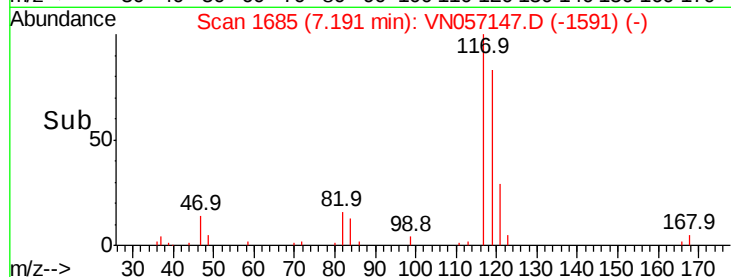
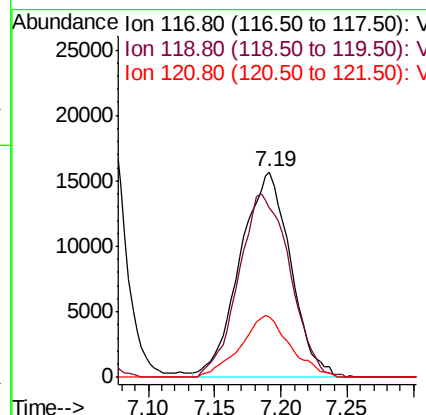
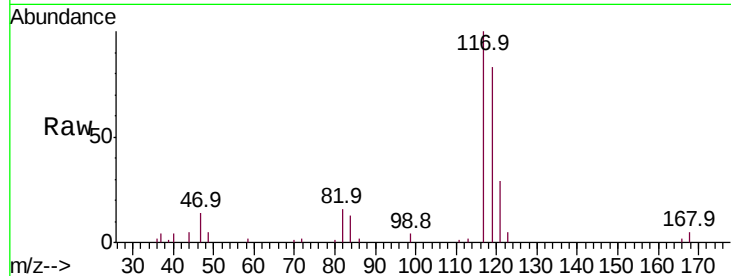
#38
Carbon Tetrachloride
Concen: 2.425 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.6	75.8	113.6
121	29.4	24.4	36.6

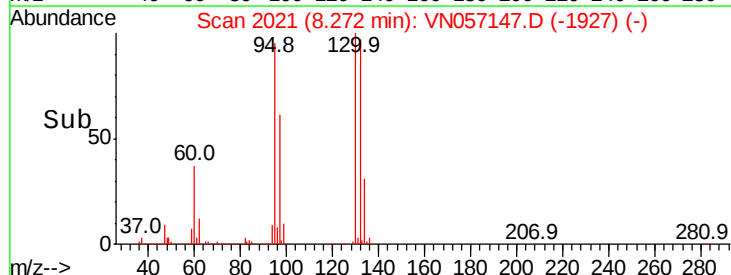
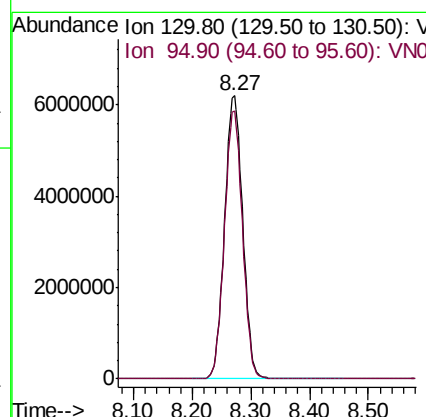
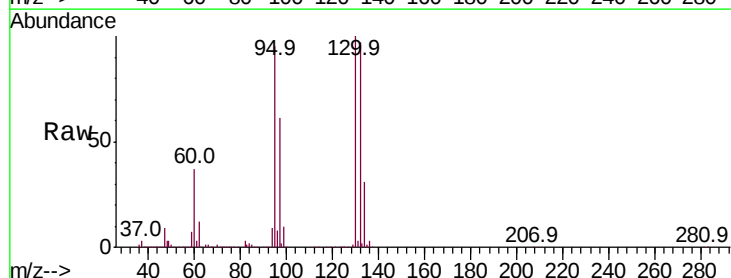
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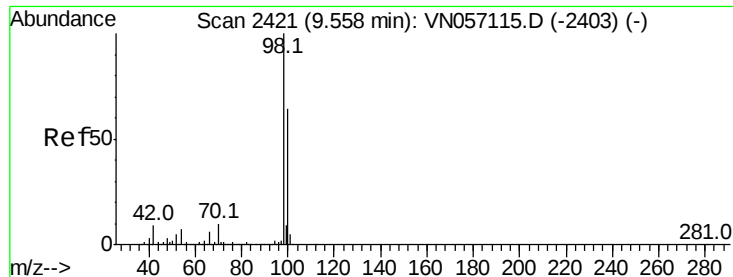
MMDadoda
8/12/2019 3:34:46 PM



#44
Trichloroethene
Concen: 900.787 ug/l
RT: 8.27 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	187.4





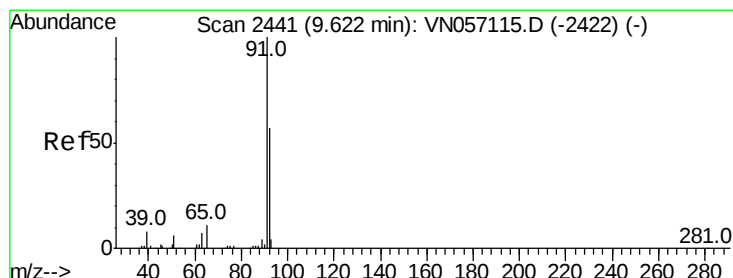
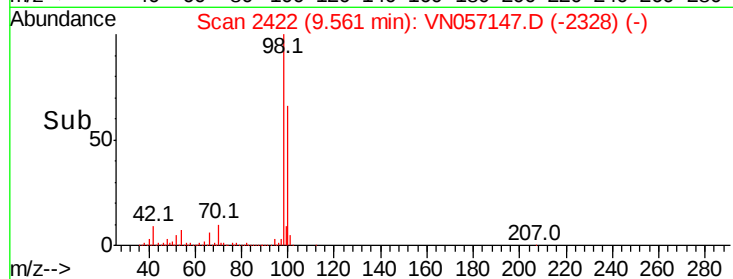
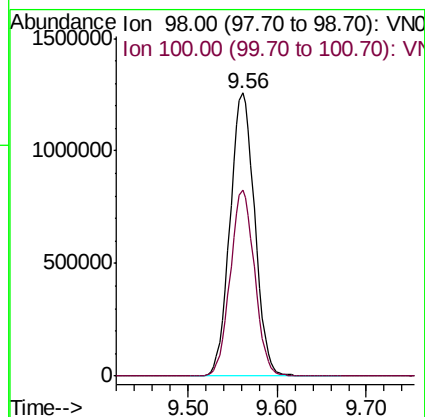
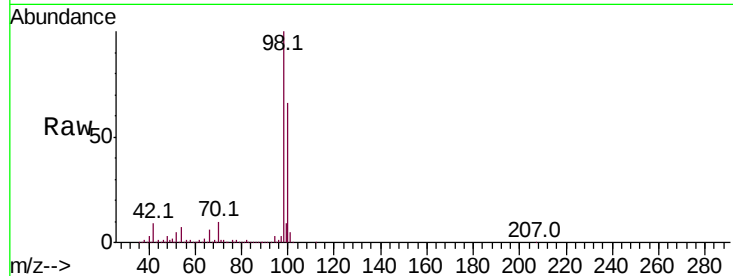
#50
Toluene-d8
Concen: 50.017 ug/l
RT: 9.56 min Scan# 2422
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

Tot Ion: 98 Resp: 2403096
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8

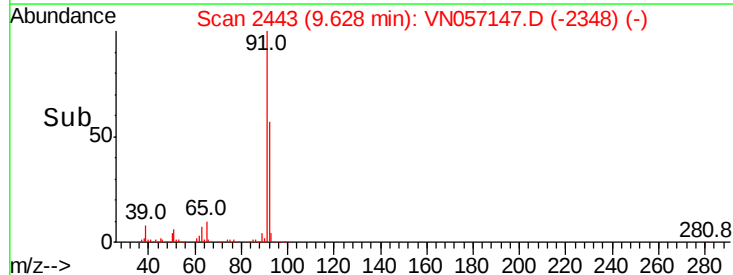
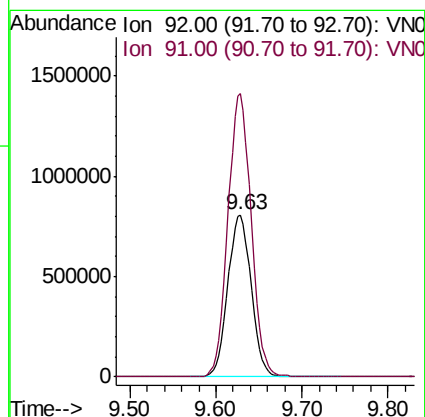
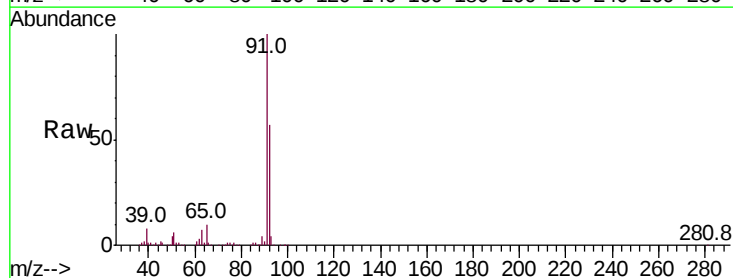
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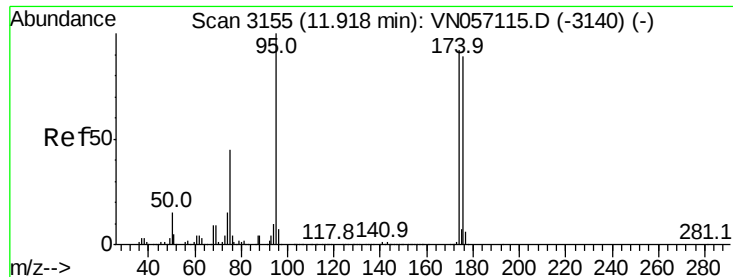
MMDadoda
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#52
Toluene
Concen: 47.167 ug/l
RT: 9.63 min Scan# 2443
Delta R.T. 0.01 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 92 Resp: 1527212
Ion Ratio Lower Upper
92 100
91 173.6 139.8 209.8





#62

4-Bromofluorobenzene

Concen: 49.374 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

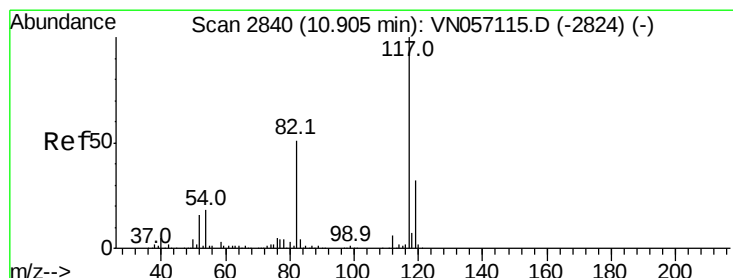
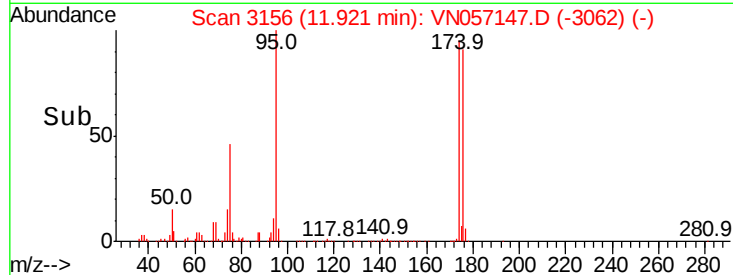
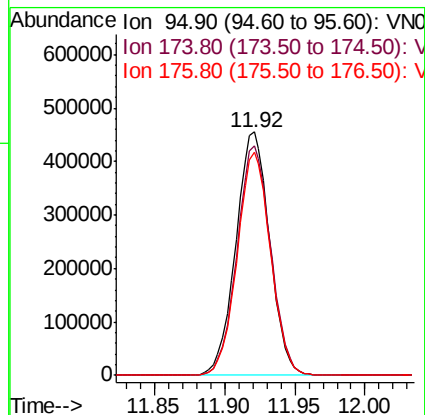
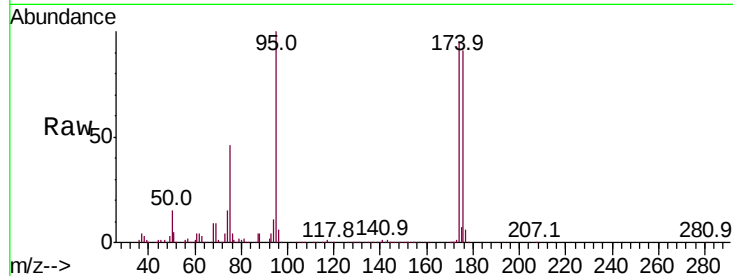
ClientSampleId :

MW-23S_080719

Tot Ion:	95	Resp:	764346
Ion Ratio	Lower	Upper	
95	100		
174	93.9	0.0	185.0
176	90.4	0.0	181.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

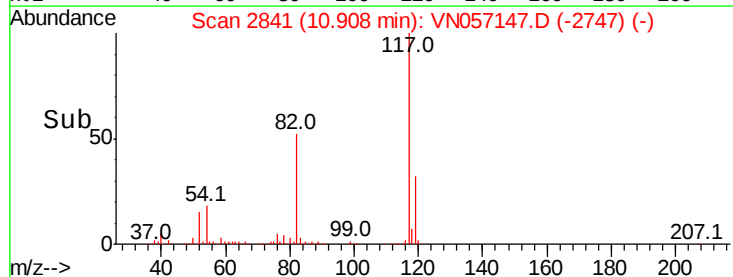
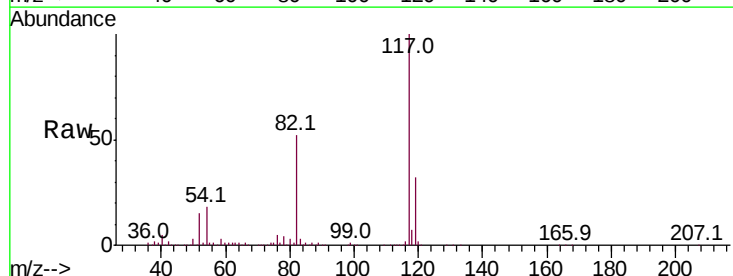
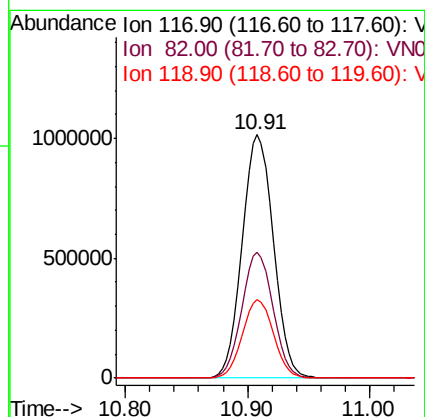
RT: 10.91 min Scan# 2841

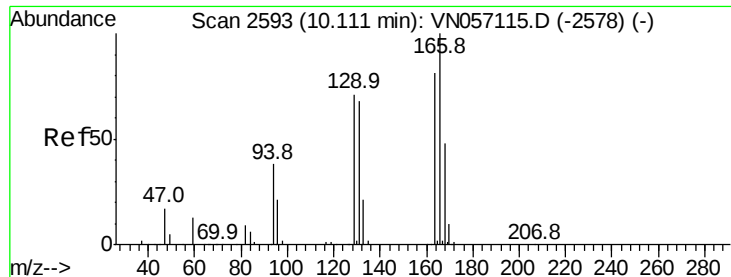
Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion:	117	Resp:	1790262
Ion Ratio	Lower	Upper	
117	100		
82	51.9	40.8	61.2
119	32.3	25.7	38.5





#64

Tetrachloroethene

Concen: 3346.075 ug/l m

RT: 10.10 min Scan# 2590

Delta R.T. -0.01 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

Tot Ion:164 Resp:49818354

Ion Ratio Lower Upper

164 100

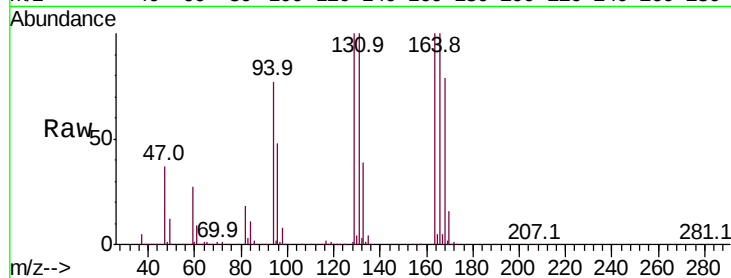
166 100.0 98.3 147.5

129 100.0 69.8 104.6

131 100.0 66.8 100.2

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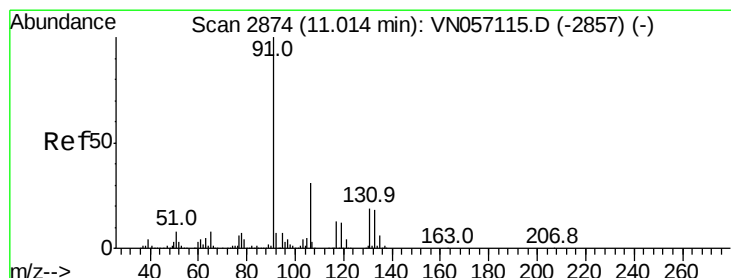
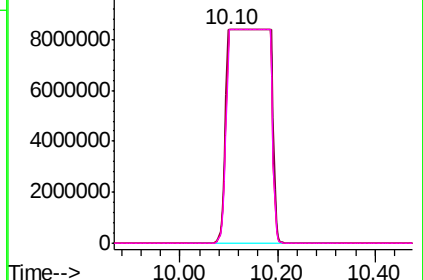
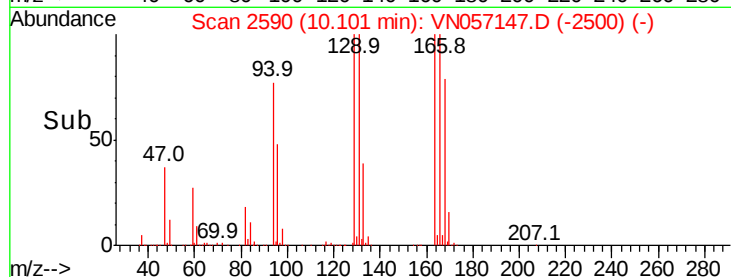
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 0.622 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN057147.D

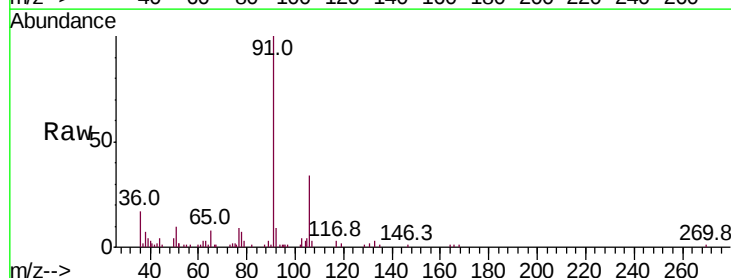
Acq: 9 Aug 2019 15:26

Tgt Ion: 91 Resp: 38531

Ion Ratio Lower Upper

91 100

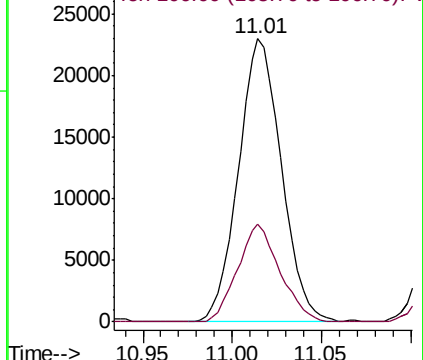
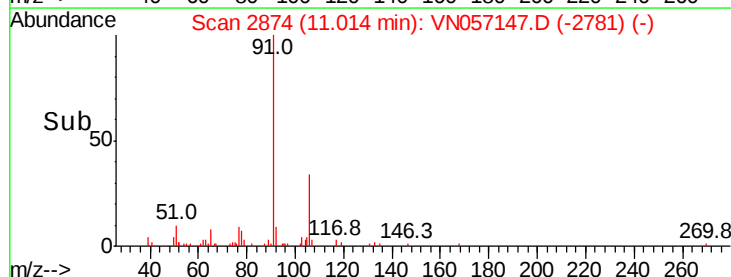
106 34.5 25.0 37.4

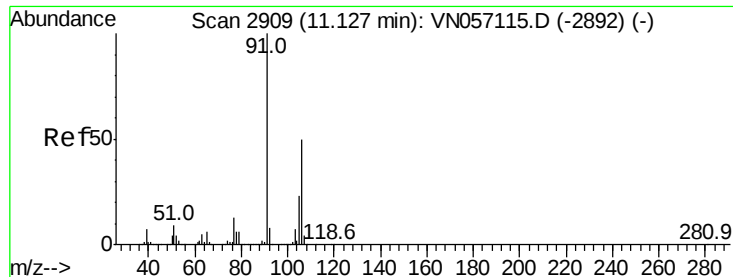


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.708 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

Tot Ion:106 Resp: 16166

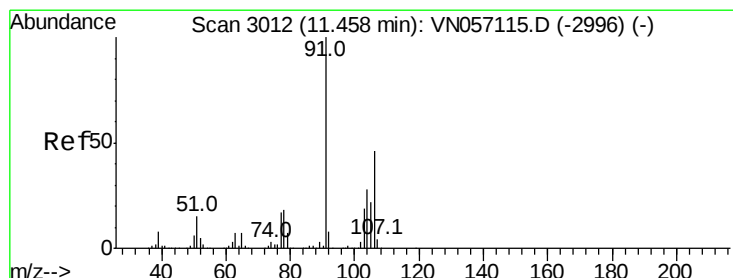
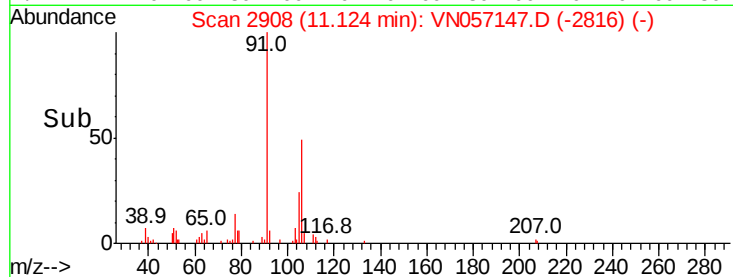
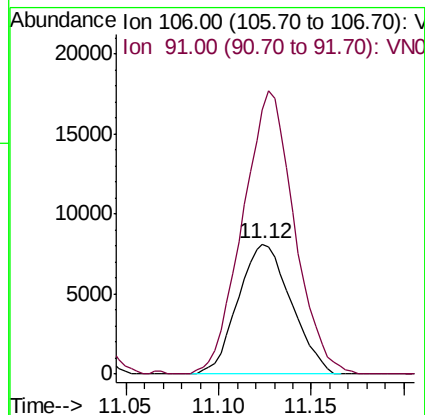
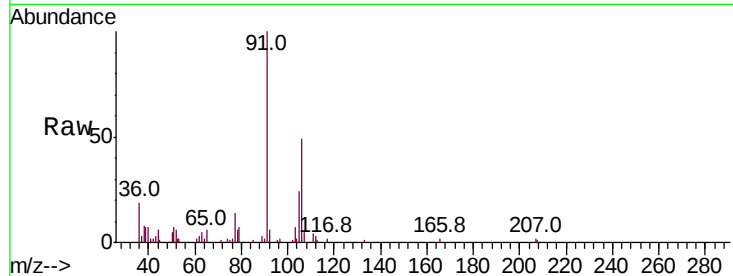
Ion Ratio Lower Upper

106 100

91 211.5 159.8 239.8

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#69

o-Xylene

Concen: 0.443 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VN057147.D

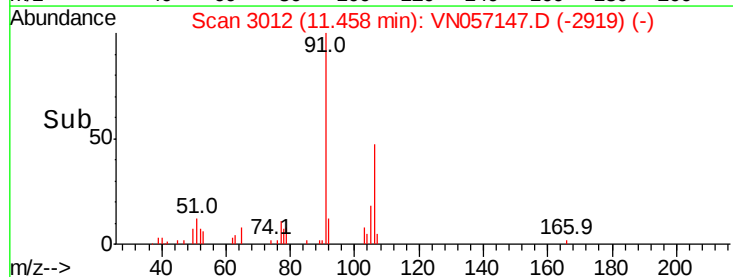
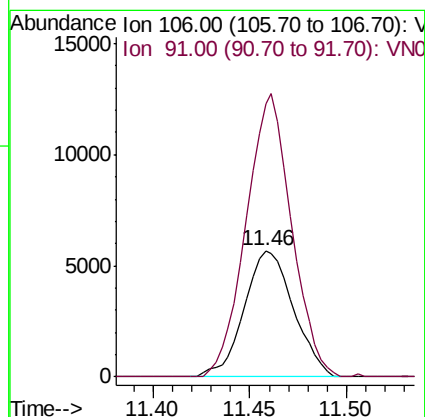
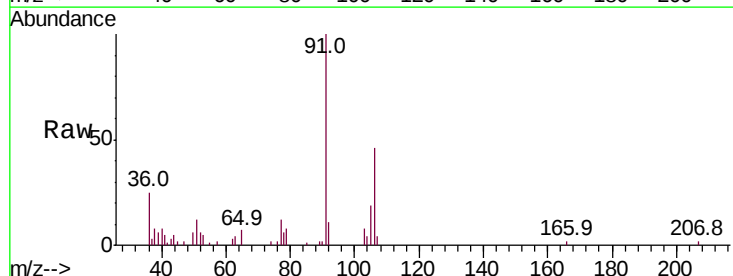
Acq: 9 Aug 2019 15:26

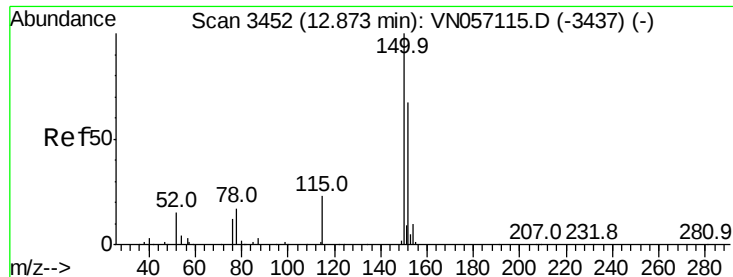
Tgt Ion:106 Resp: 10080

Ion Ratio Lower Upper

106 100

91 206.3 106.8 320.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

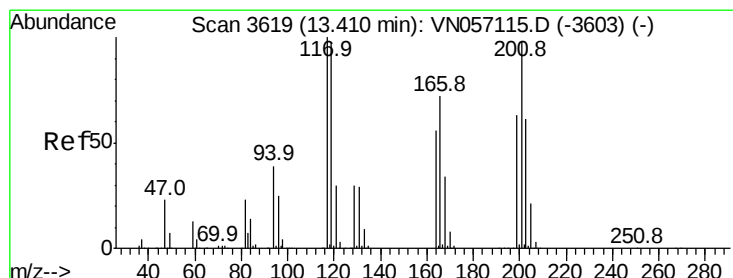
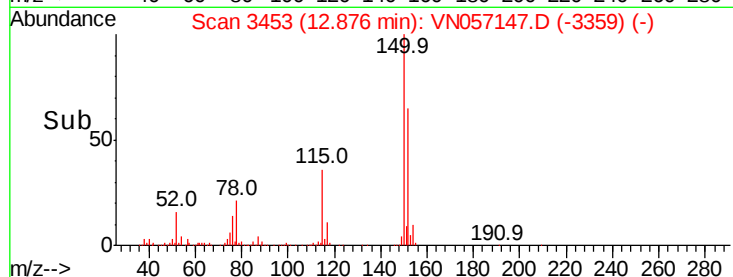
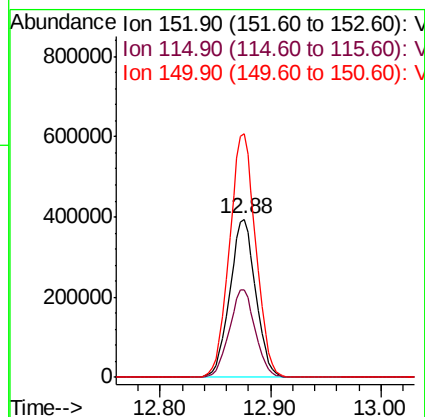
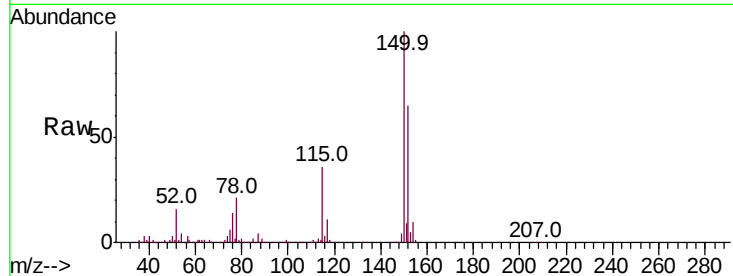
ClientSampleId :

MW-23S_080719

Tot Ion:	152	Resp:	641505
Ion Ratio	Lower	Upper	
152	100		
115	55.3	27.5	82.5
150	156.2	0.0	341.6

Manual Integrations
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#90

Hexachloroethane

Concen: 0.827 ug/l

RT: 13.41 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion:	117	Resp:	13813
Ion Ratio	Lower	Upper	
117	100		
201	90.5	49.3	147.8

