

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058520.D
 Acq On : 3 Oct 2019 19:02
 Operator : JC/SP
 Sample : K5095-05 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

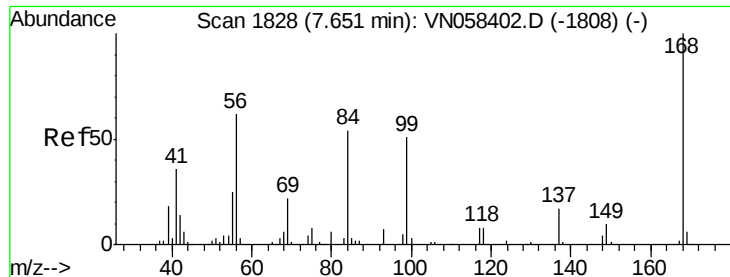
Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:31:20 AM

Quant Time: Oct 04 04:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	340795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	251311	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	7.57	113	179222	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.08	98	707060	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.41	95	219871	44.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.66%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10219	3.098	ug/l	96
12) 1,1-Dichloroethene	3.72	96	37913	11.793	ug/l	97
20) Methylene Chloride	4.53	84	5035m	1.285	ug/l	
24) 1,1-Dichloroethane	5.82	63	30396	4.290	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	40098	9.597	ug/l	90
30) Chloroform	7.36	83	6120	0.852	ug/l	86
32) 1,1,1-Trichloroethane	7.55	97	1544241	261.905	ug/l	99
40) Benzene	8.03	78	23194	1.477	ug/l	95
44) Trichloroethene	8.82	130	72089	18.591	ug/l	95
52) Toluene	10.15	92	124615	12.607	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	5109	1.419	ug/l	98
64) Tetrachloroethene	10.63	164	1761550	567.718	ug/l	98
68) m/p-Xylenes	11.62	106	4294	0.649	ug/l	91
78) n-propylbenzene	12.60	91	6231	0.395	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	7833	0.668	ug/l	92
84) 1,2,4-Trimethylbenzene	13.05	105	24273	2.066	ug/l	100
95) Naphthalene	15.13	128	3934	0.396	ug/l #	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion:168 Resp: 340795

Ion Ratio Lower Upper

168 100

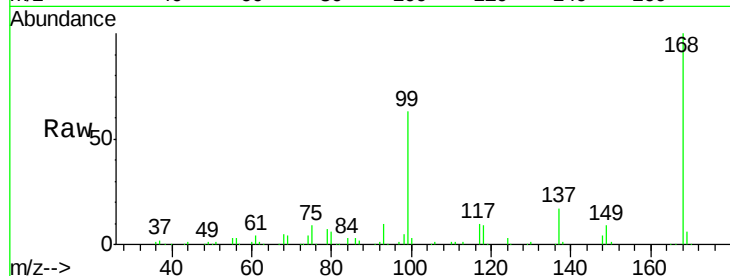
99 62.5 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

400000

300000

200000

100000

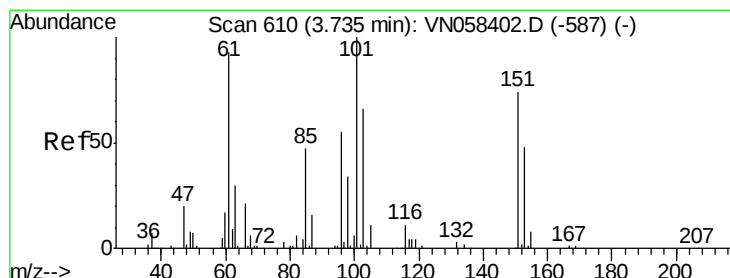
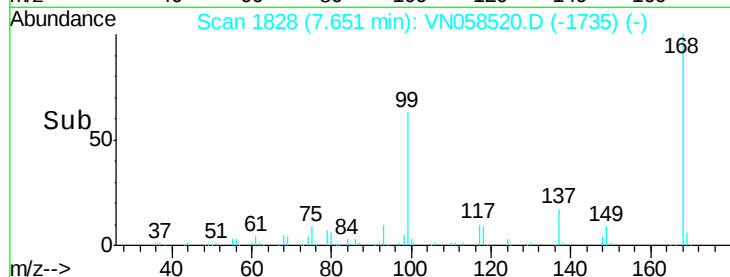
0

7.60

7.70

7.80

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.098 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

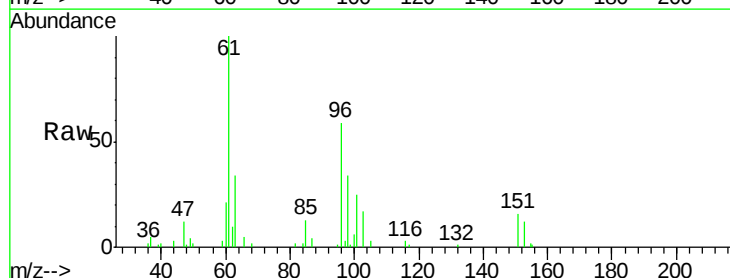
Tgt Ion:101 Resp: 10219

Ion Ratio Lower Upper

101 100

85 52.1 36.7 55.1

151 74.9 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

5000

4000

3000

2000

1000

0

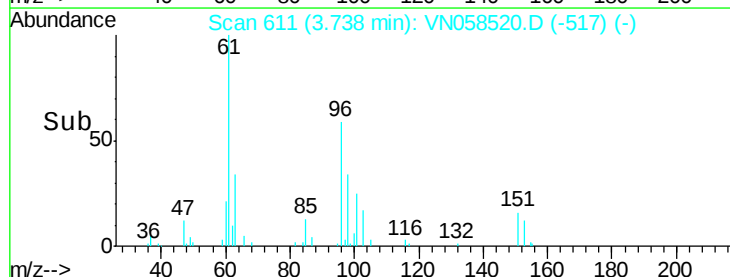
3.65

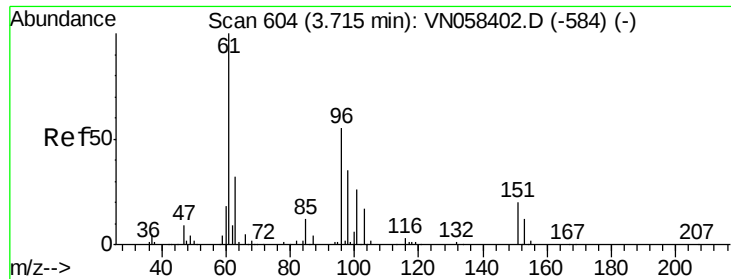
3.70

3.75

3.80

Time-->





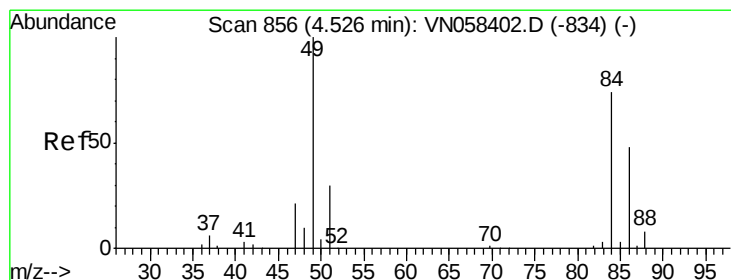
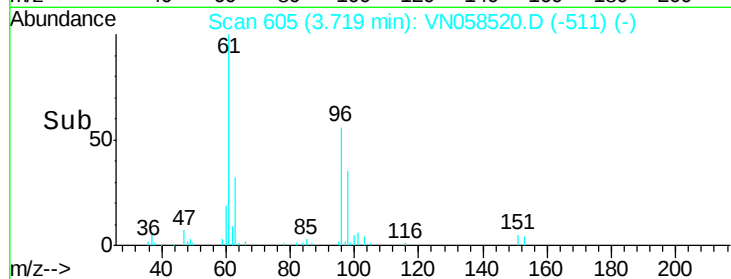
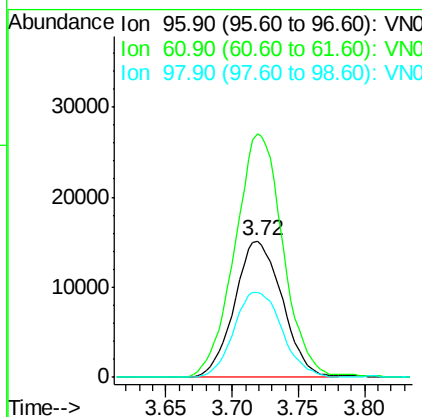
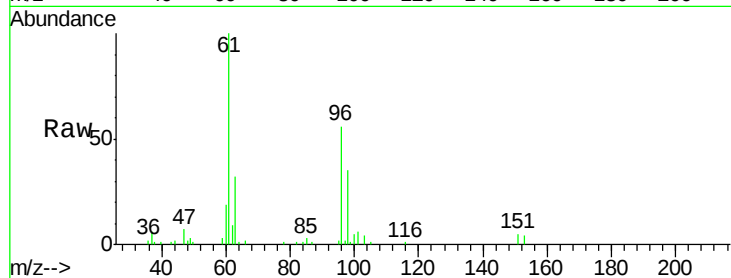
#12
 1,1-Dichloroethene
 Concen: 11.793 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.9	146.7	220.1
98	62.8	51.3	76.9

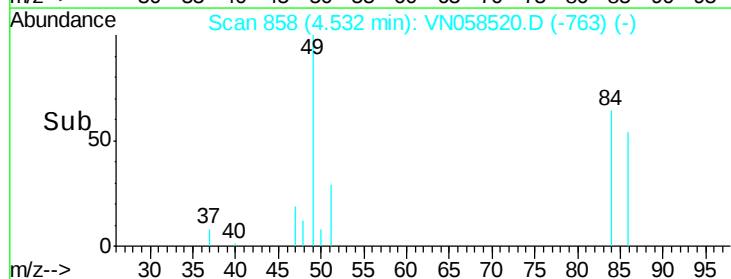
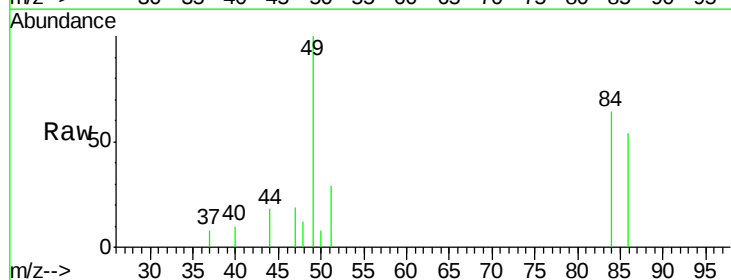
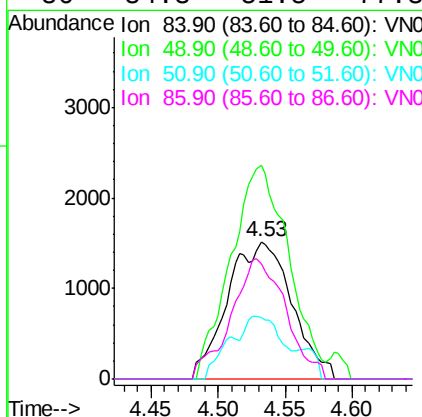
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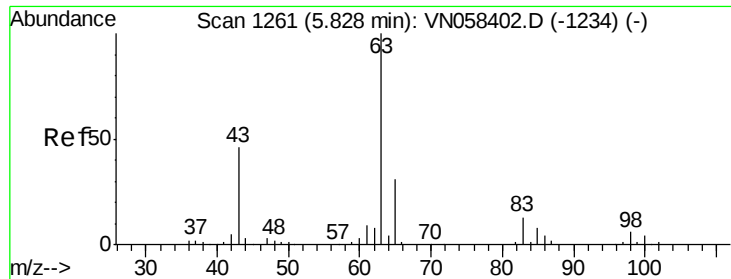
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#20
 Methylene Chloride
 Concen: 1.285 ug/l m
 RT: 4.53 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.9	107.9	161.9
51	45.1	32.8	49.2
86	84.3	51.5	77.3#





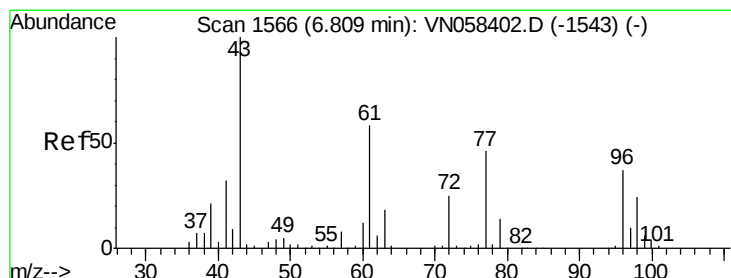
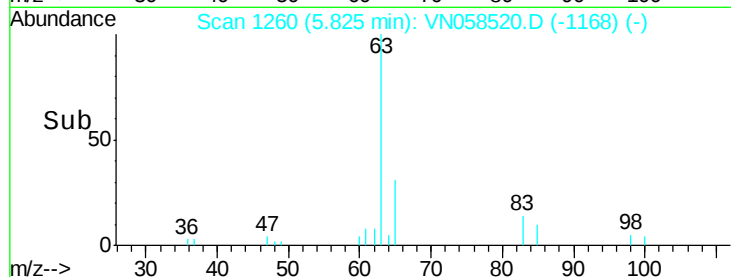
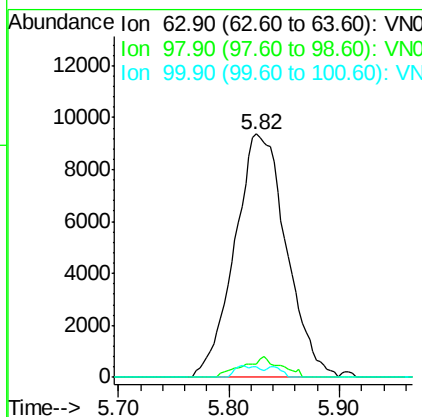
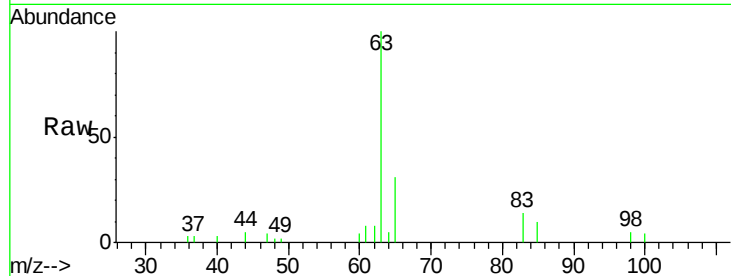
#24
 1,1-Dichloroethane
 Concen: 4.290 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.4	3.0	9.0	
100	4.2	2.0	5.8	

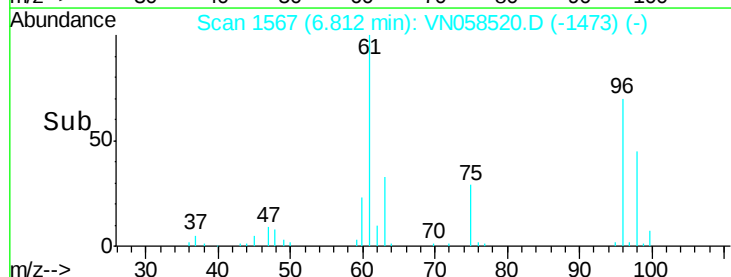
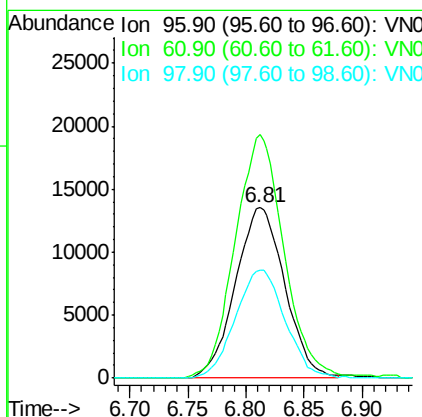
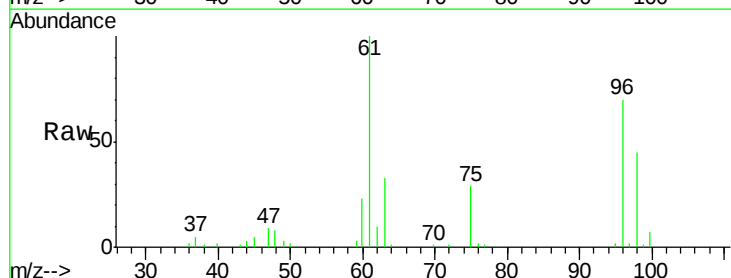
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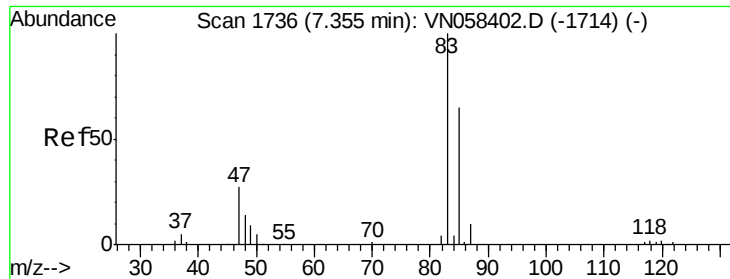
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#27
 cis-1,2-Dichloroethene
 Concen: 9.597 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.9	0.0	318.8	
98	63.8	0.0	129.8	





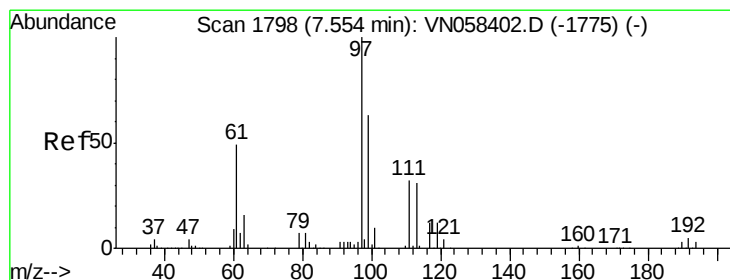
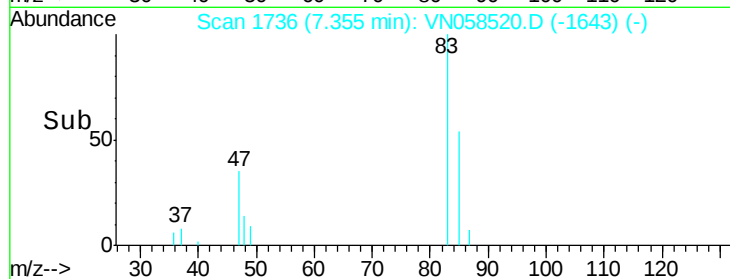
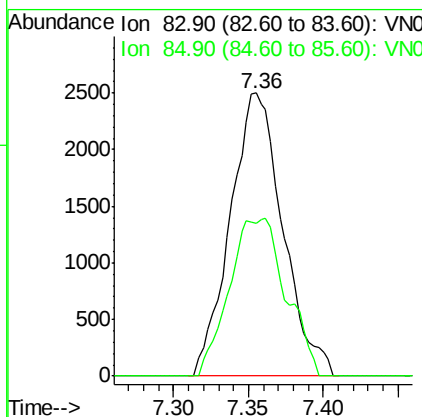
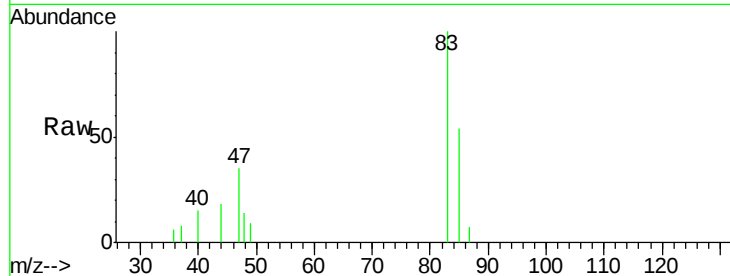
#30
Chloroform
Concen: 0.852 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058520.D
Acq: 3 Oct 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	83	Resp	6120
Ion Ratio	100	Lower	Upper
83	100		
85	54.2	52.0	78.0

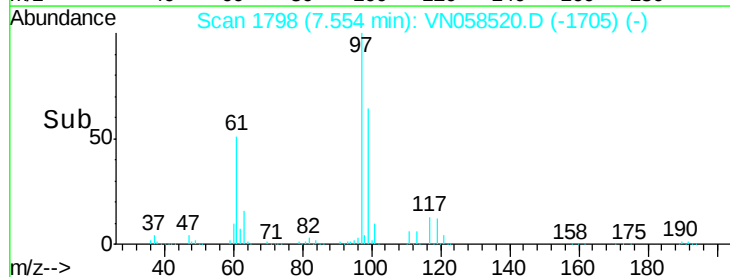
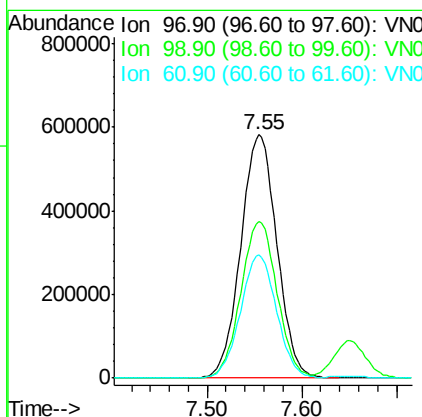
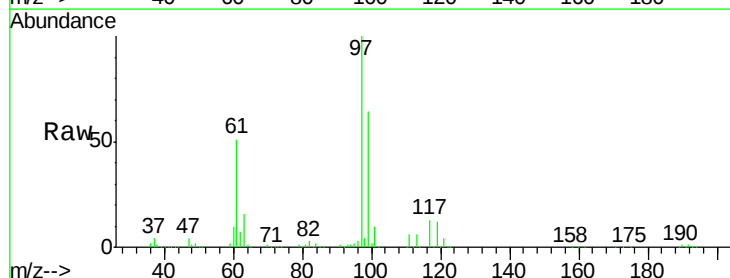
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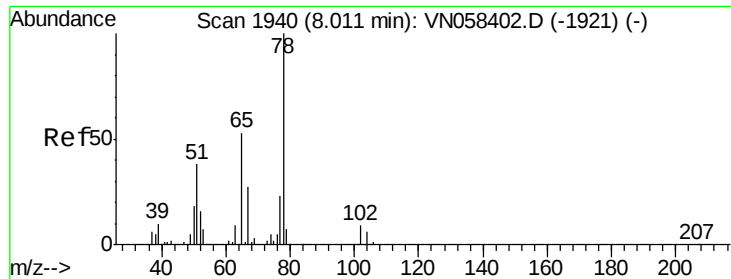
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#32
1,1,1-Trichloroethane
Concen: 261.905 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058520.D
Acq: 3 Oct 2019 19:02

Tgt Ion	97	Resp	1544241
Ion Ratio	100	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	50.5	39.2	58.8





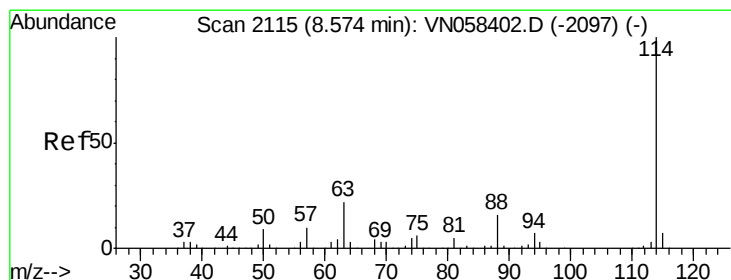
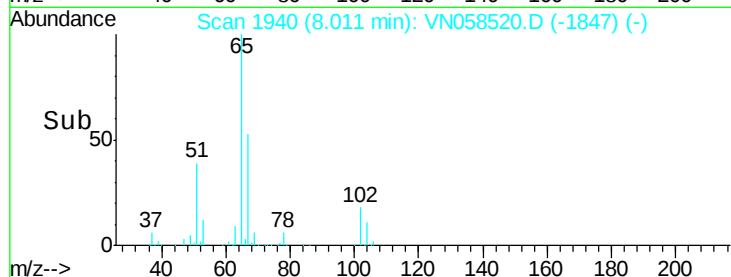
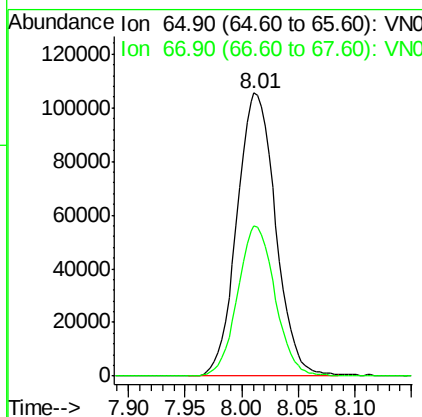
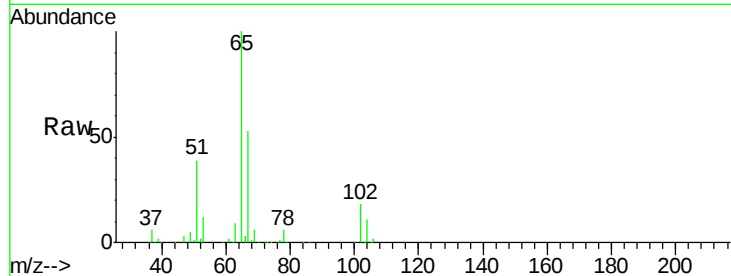
#33
 1,2-Dichloroethane-d4
 Concen: 50.462 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Resp	Lower	Upper
65	100	251311		
67	51.4	0.0	102.4	

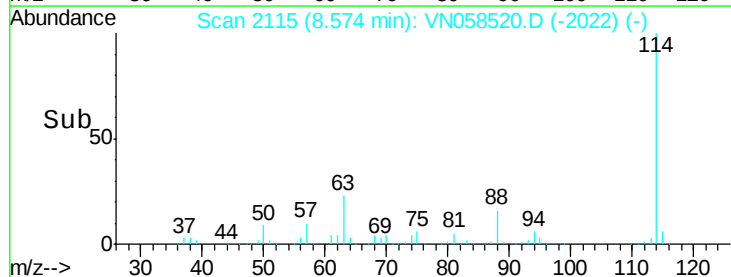
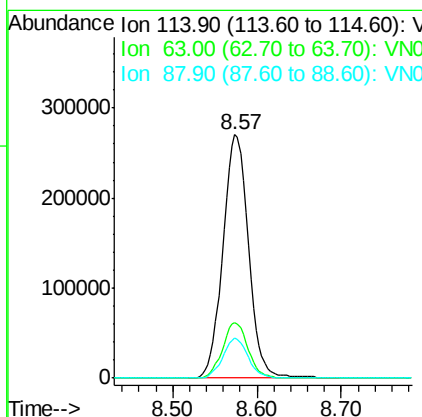
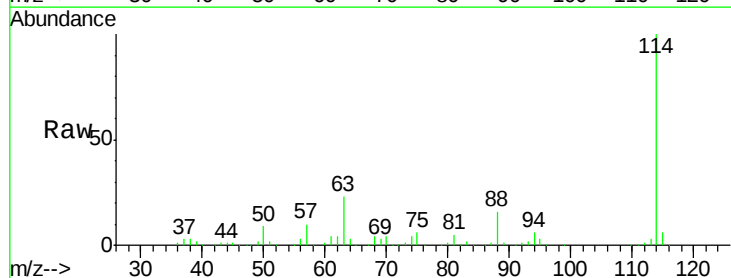
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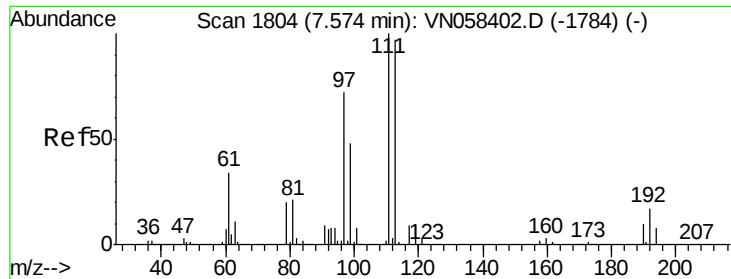
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058520.D
 Acq: 3 Oct 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	571363		
63	22.9	0.0	45.0	
88	16.3	0.0	32.2	





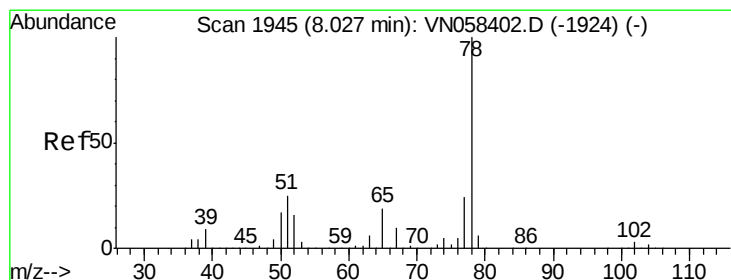
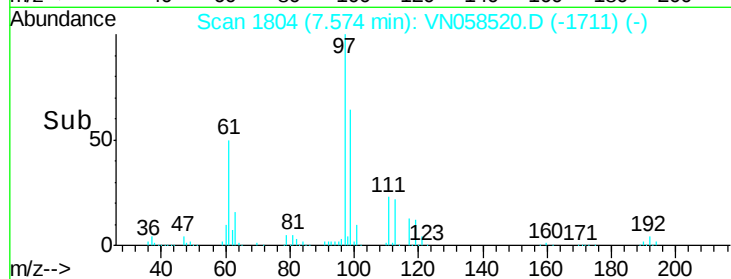
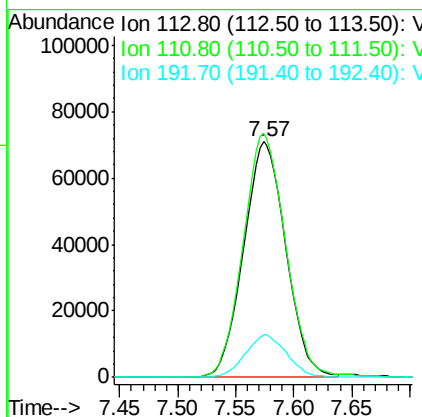
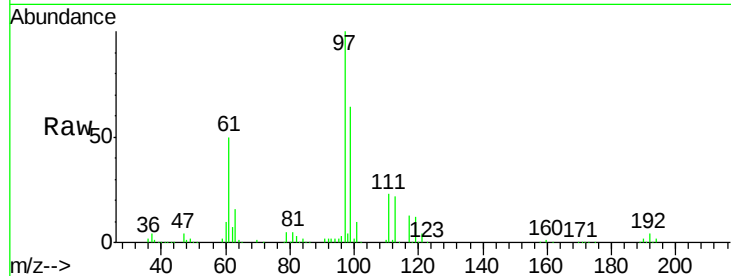
#35
Dibromofluoromethane
Concen: 51.180 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058520.D
Acq: 3 Oct 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.4	125.2
192	17.7	14.9	22.3

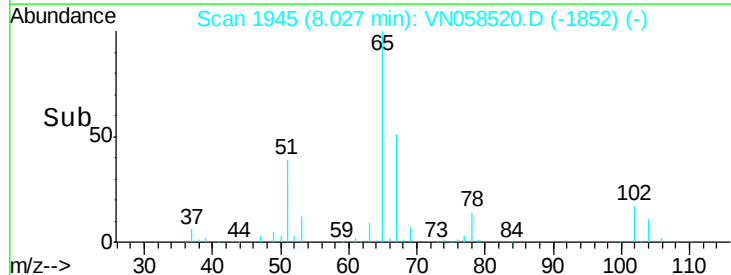
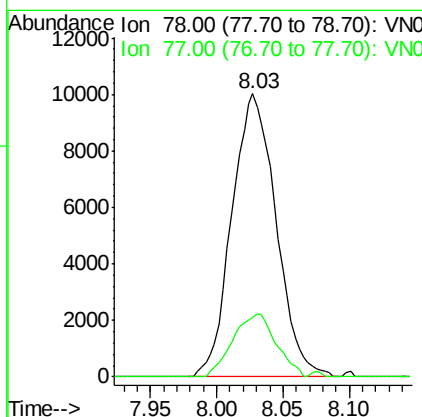
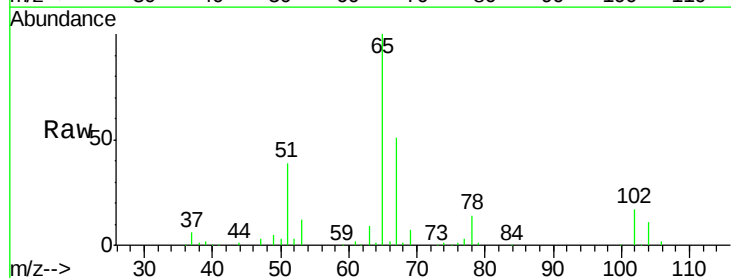
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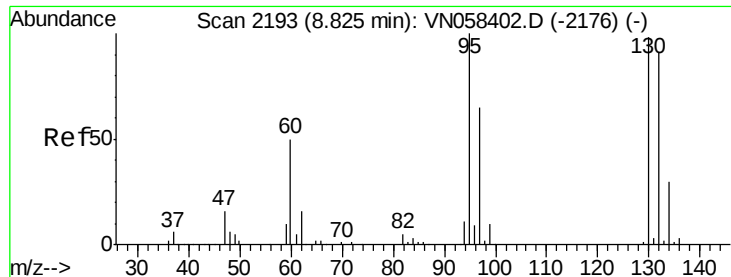
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#40
Benzene
Concen: 1.477 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058520.D
Acq: 3 Oct 2019 19:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.9	28.3





#44

Trichloroethene

Concen: 18.591 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion:130 Resp: 72089

Ion Ratio Lower Upper

130 100

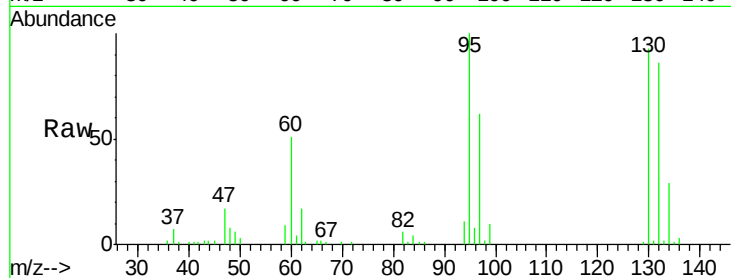
95 107.0 0.0 204.2

Manual Integrations

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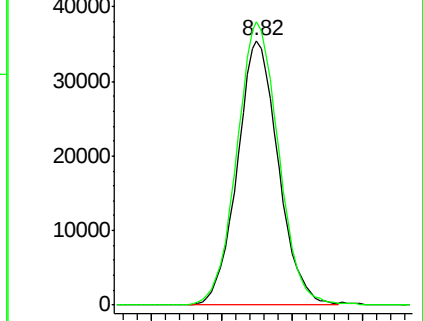
MMDadoda

10/4/2019 9:31:20 AM

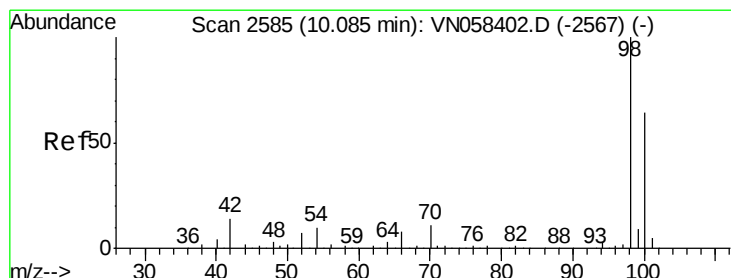
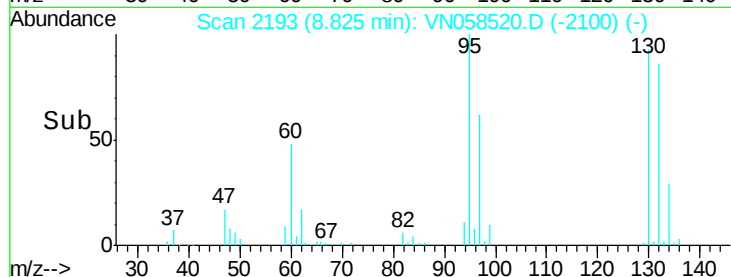


Abundance Ion 129.80 (129.50 to 130.50): VN058520.D (-2192) (-)

Ion 94.90 (94.60 to 95.60): VN058520.D (-2192) (-)



Time-->



#50

Toluene-d8

Concen: 51.542 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058520.D

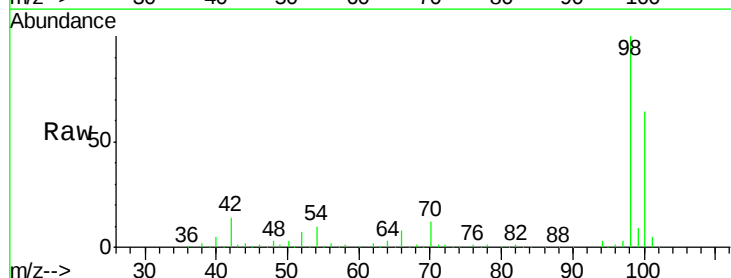
Acq: 3 Oct 2019 19:02

Tgt Ion: 98 Resp: 707060

Ion Ratio Lower Upper

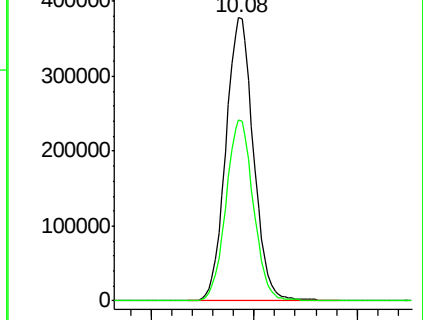
98 100

100 63.5 51.0 76.6

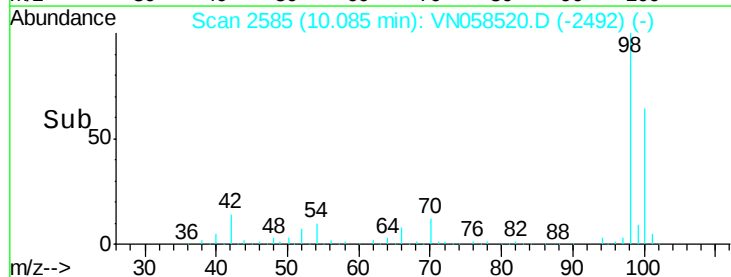


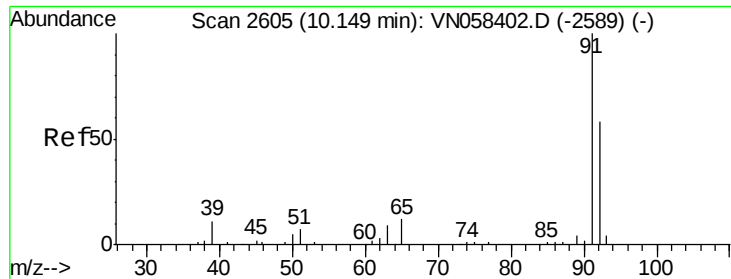
Abundance Ion 98.00 (97.70 to 98.70): VN058520.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058520.D (-2492) (-)



Time-->





#52

Toluene

Concen: 12.607 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion: 92 Resp: 124615

Ion Ratio Lower Upper

92 100

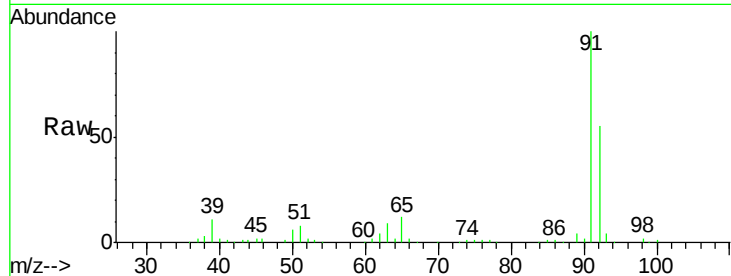
91 178.1 140.2 210.4

Manual Integrations

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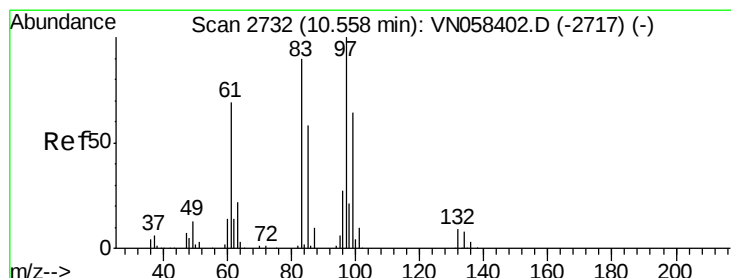
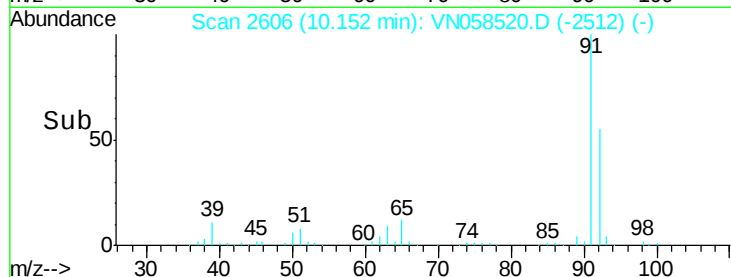
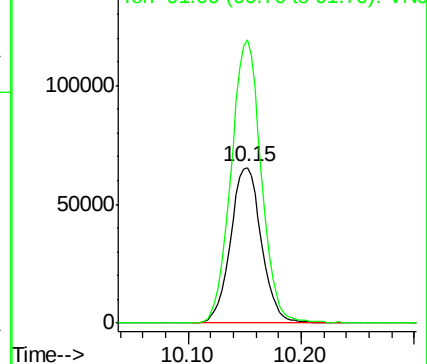
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 1.419 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Tgt Ion: 97 Resp: 5109

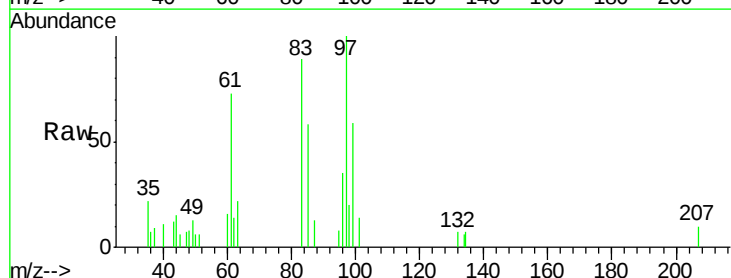
Ion Ratio Lower Upper

97 100

83 89.0 71.8 107.6

85 57.6 46.6 69.8

99 59.3 51.5 77.3

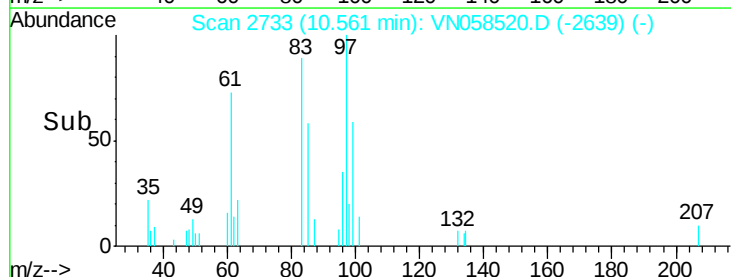
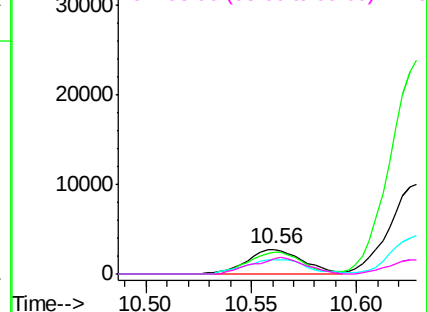


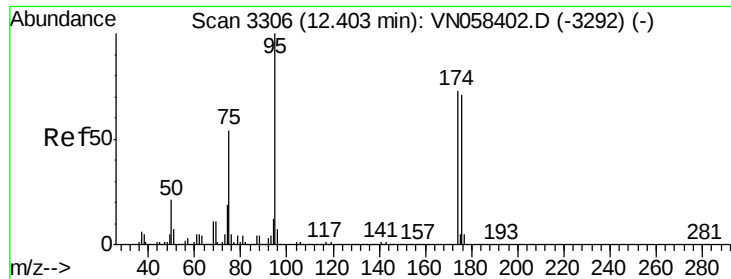
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#62

4-Bromofluorobenzene

Concen: 44.327 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

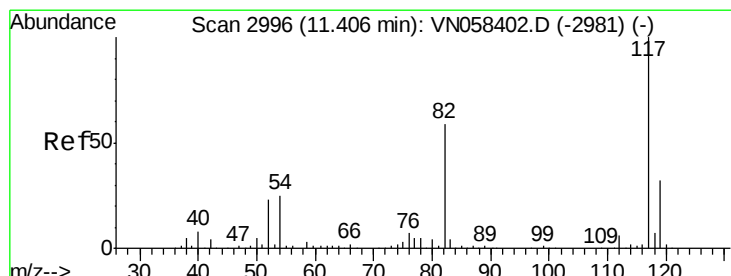
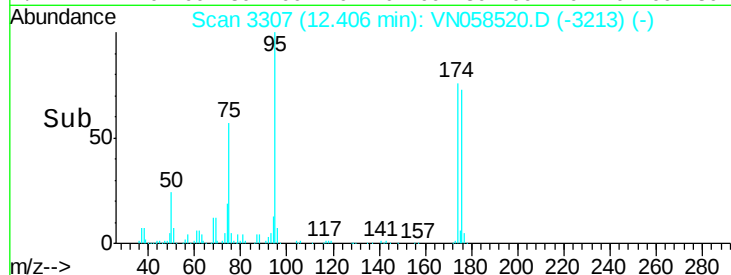
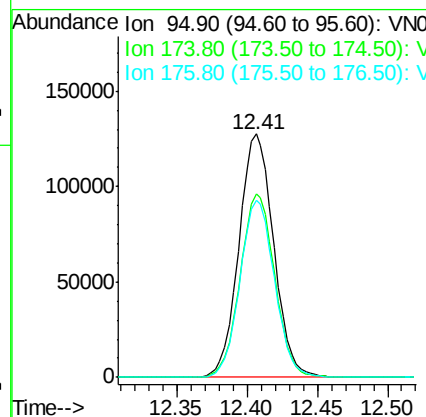
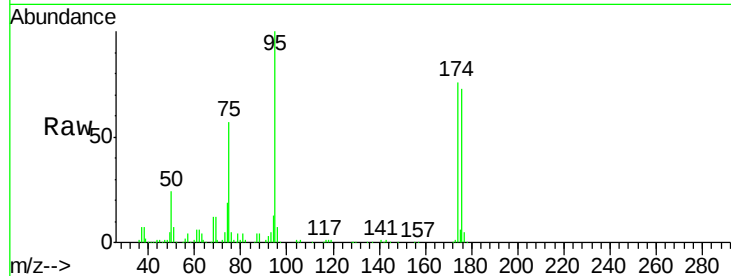
ClientSampleId :

COMPOSITE-5

Tot Ion:	95	Resp:	219871
Ion Ratio	Lower	Upper	
95	100		
174	75.3	0.0	150.6
176	72.6	0.0	146.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

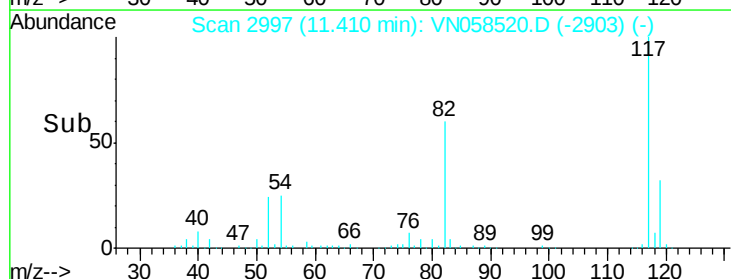
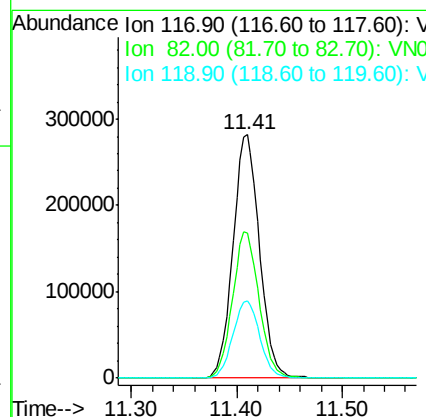
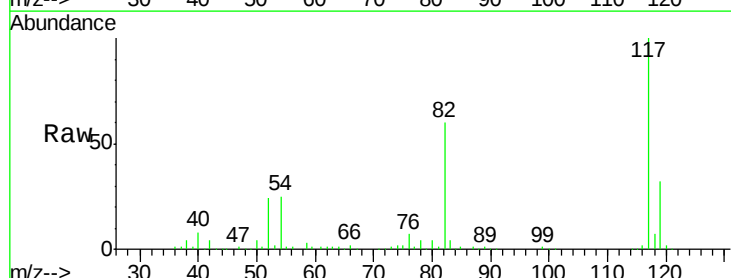
RT: 11.41 min Scan# 2997

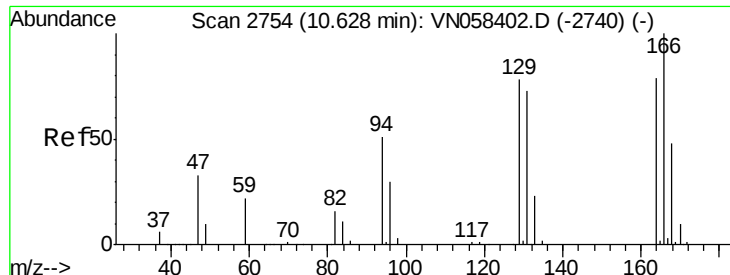
Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Tgt Ion:	117	Resp:	488384
Ion Ratio	Lower	Upper	
117	100		
82	59.7	47.4	71.0
119	31.9	25.5	38.3





#64

Tetrachloroethene

Concen: 567.718 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion:164 Resp: 1761550

Ion Ratio Lower Upper

164 100

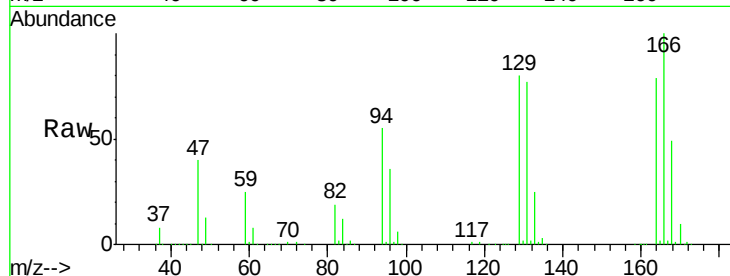
166 126.6 101.1 151.7

129 101.2 79.2 118.8

131 97.6 74.1 111.1

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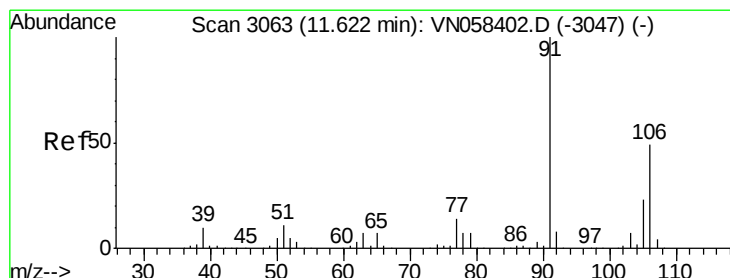
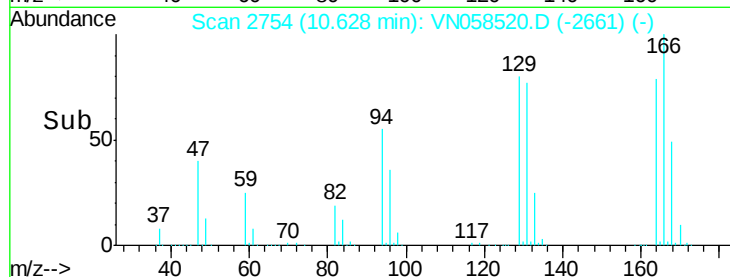
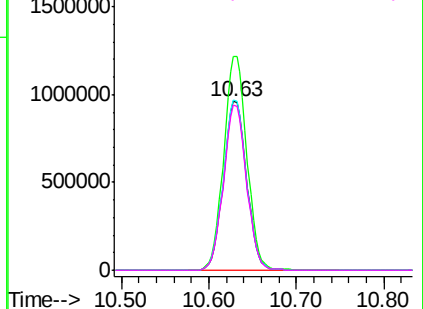


Abundance Ion 163.80 (163.50 to 164.50): V

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



#68

m/p-Xylenes

Concen: 0.649 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058520.D

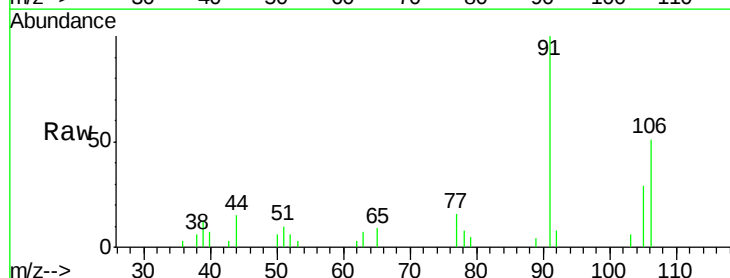
Acq: 3 Oct 2019 19:02

Tgt Ion:106 Resp: 4294

Ion Ratio Lower Upper

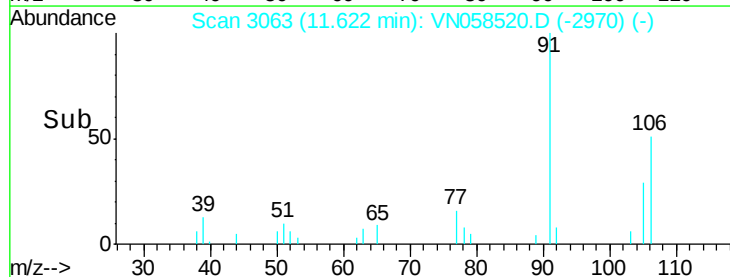
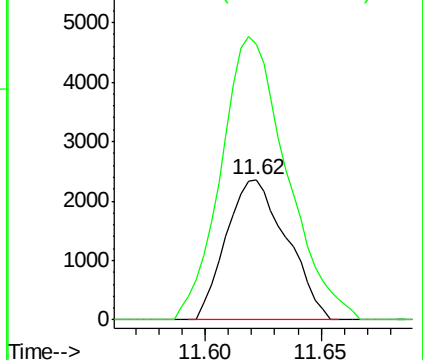
106 100

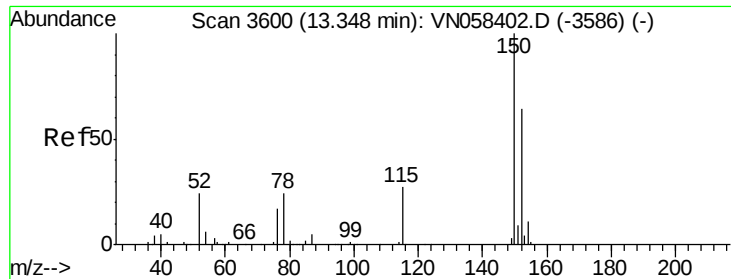
91 219.4 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion:152 Resp: 189596

Ion Ratio Lower Upper

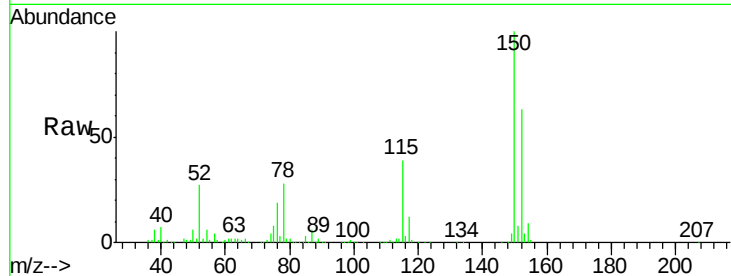
152 100

115 61.3 30.0 90.0

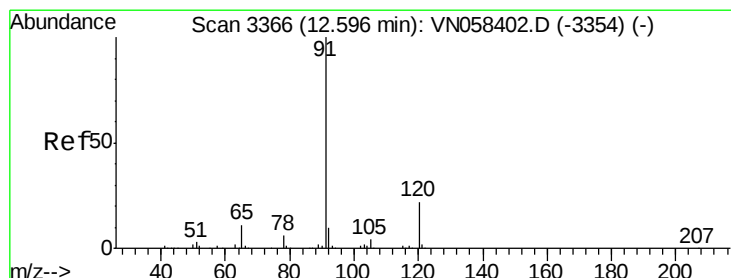
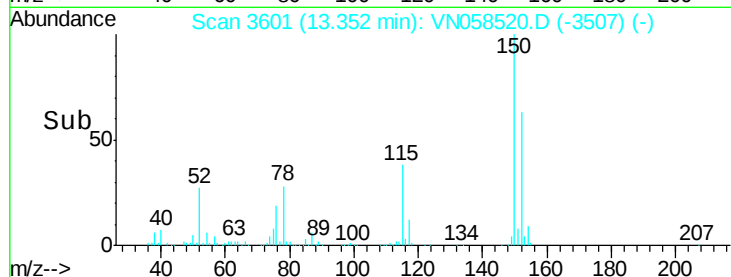
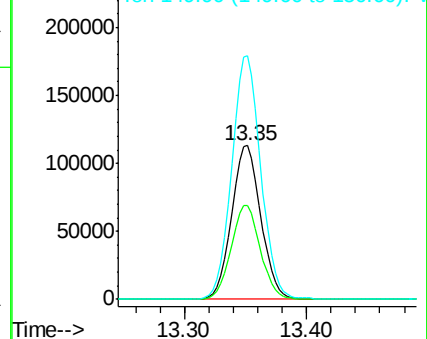
150 157.3 0.0 348.2

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 0.395 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058520.D

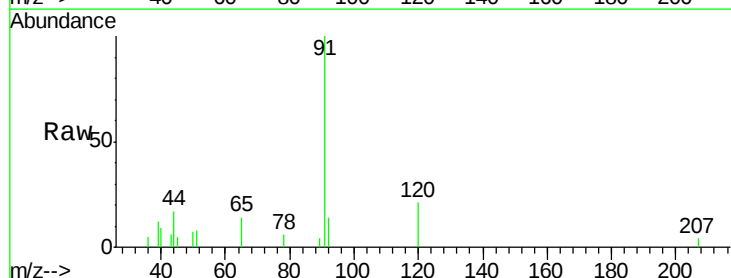
Acq: 3 Oct 2019 19:02

Tgt Ion: 91 Resp: 6231

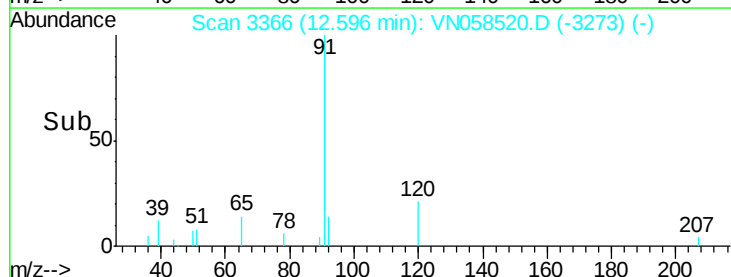
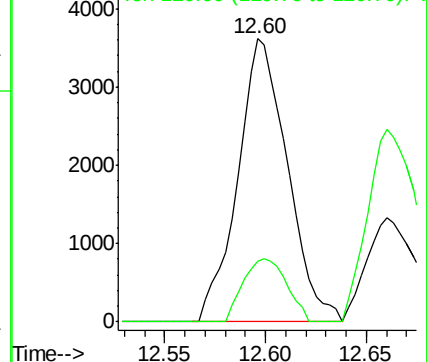
Ion Ratio Lower Upper

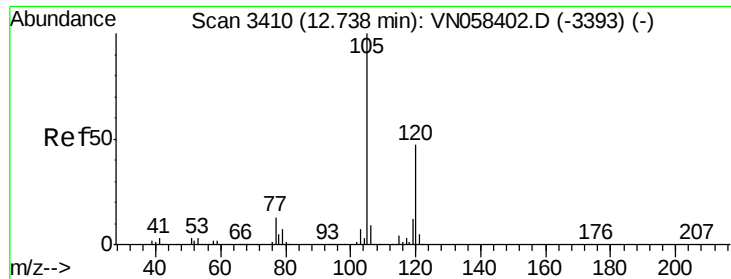
91 100

120 19.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.668 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058520.D

Acq: 3 Oct 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion:105 Resp: 7833

Ion Ratio Lower Upper

105 100

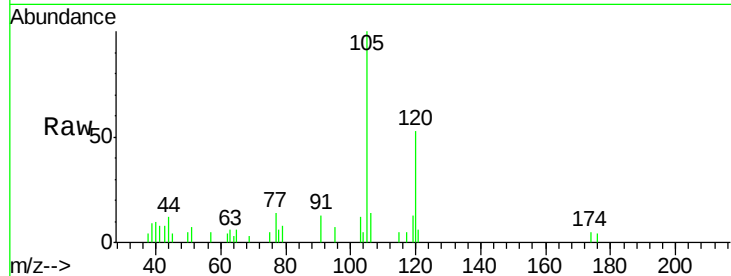
120 52.5 23.5 70.6

Manual Integrations

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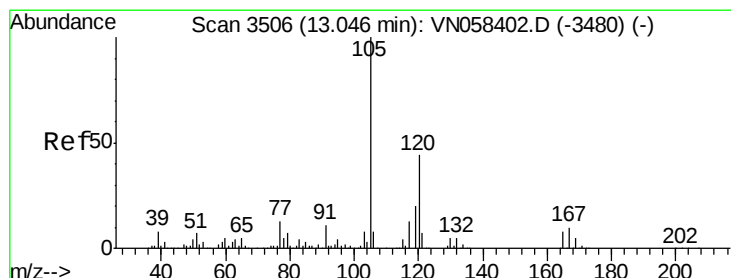
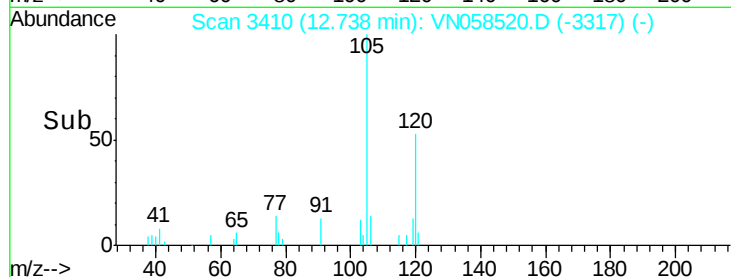
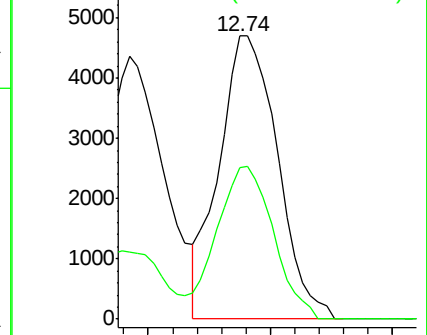
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.066 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058520.D

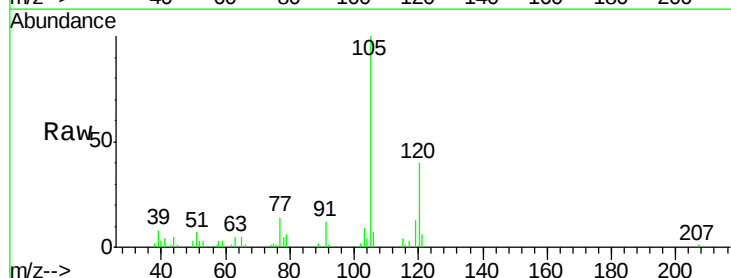
Acq: 3 Oct 2019 19:02

Tgt Ion:105 Resp: 24273

Ion Ratio Lower Upper

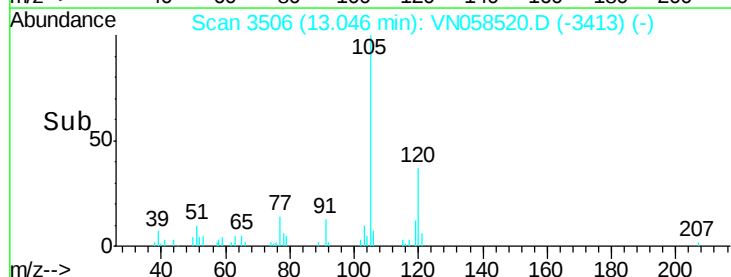
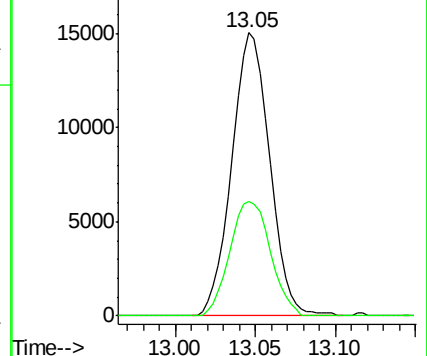
105 100

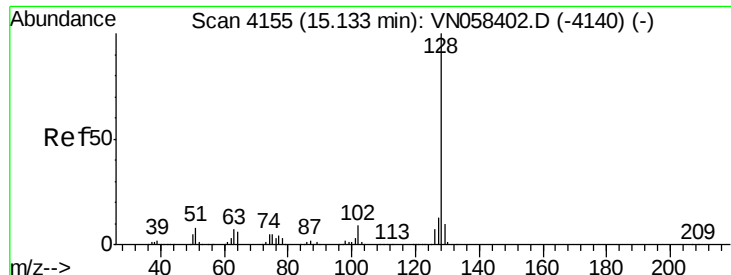
120 43.2 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 0.396 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058520.D
Acq: 3 Oct 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	6.7	10.2	15.4#
129	11.7	8.3	12.5

Manual Integrations
APPROVED

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