

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058647.D
 Acq On : 9 Oct 2019 18:04
 Operator : JC/SP
 Sample : K5184-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-100119

Quant Time: Oct 10 04:39:20 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

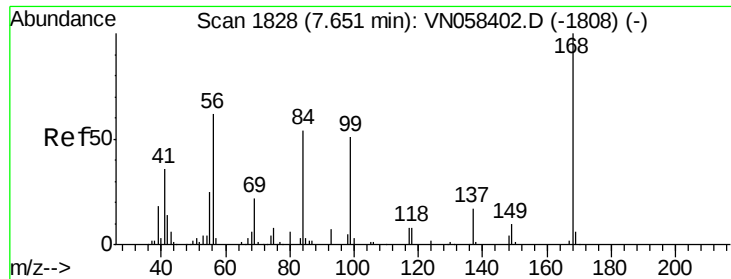
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	427117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	676297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	296117	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.57	113	216013	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	10.08	98	840193	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.41	95	265570	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1527	0.297	ug/l	95
16) Acetone	3.80	43	1400	0.658	ug/l	97
25) 2-Butanone	6.80	43	720	0.246	ug/l #	50
31) Cyclohexane	7.65	56	10002	1.158	ug/l #	13
36) 1,1-Dichloropropene	7.65	75	35757	5.529	ug/l #	50
38) Carbon Tetrachloride	7.65	117	42848	7.341	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	4157	0.785	ug/l #	1
60) Dibromochloromethane	10.63	129	92	Below Cal	#	11
71) Bromoform	12.40	173	344	0.821	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	140728	34.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	140728	105.990	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.28	75	307	0.361	ug/l #	5

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN101019\  
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Acq On    : 9 Oct 2019 18:04  
Operator  : JC/SP  
Sample    : K5184-07  
Misc      : 5.00mL/MSVOA_N/WATER  
ALS Vial  : 8 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

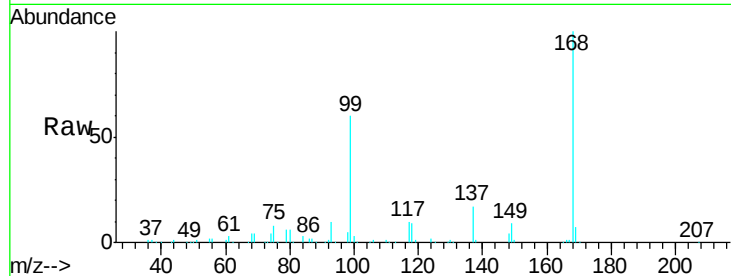
FB-100119

Tgt Ion:168 Resp: 427117

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

200000

150000

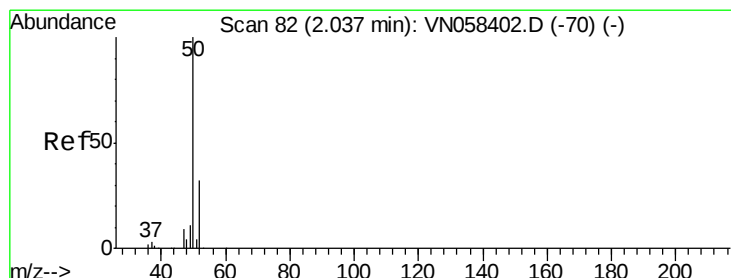
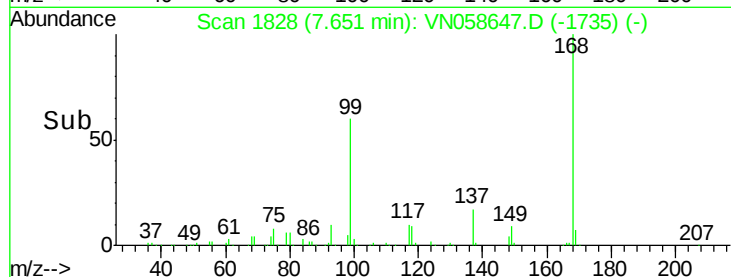
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.297 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.01 min

Lab File: VN058647.D

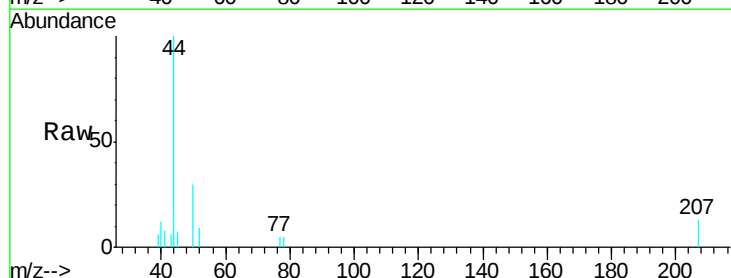
Acq: 9 Oct 2019 18:04

Tgt Ion: 50 Resp: 1527

Ion Ratio Lower Upper

50 100

52 29.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN058402.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058402.D (-70) (-)

2.05

1000

800

600

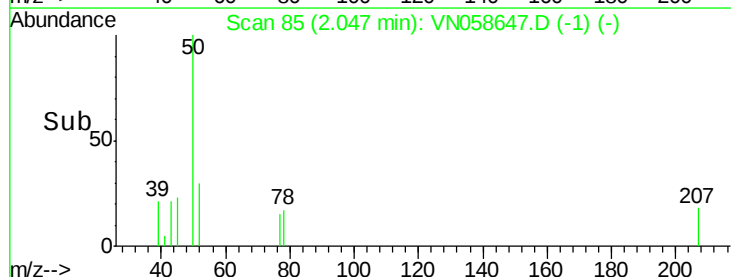
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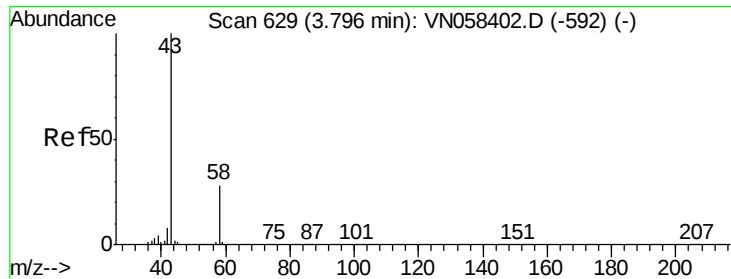
200

0

2.00 2.05

Time-->

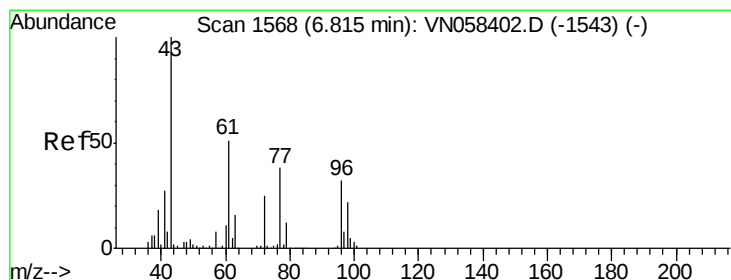
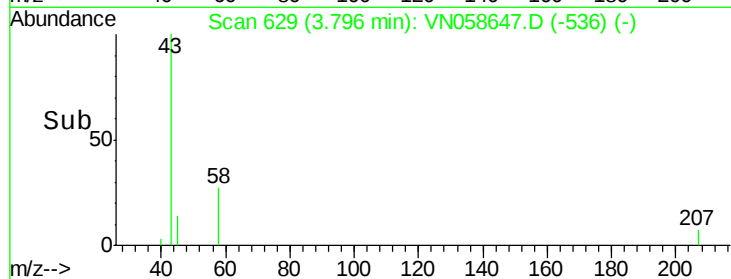
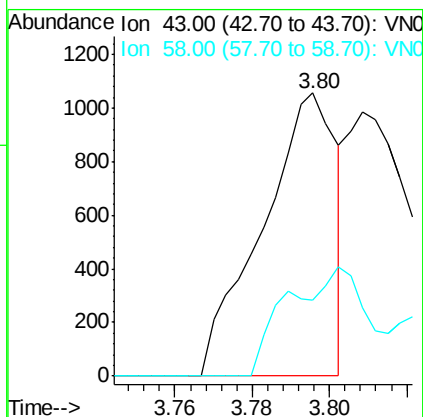
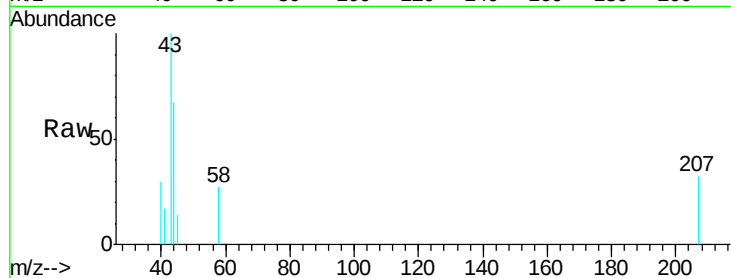




#16
Acetone
Concen: 0.658 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN058647.D
Acq: 9 Oct 2019 18:04

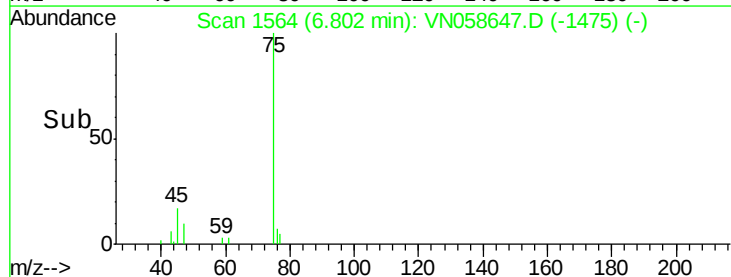
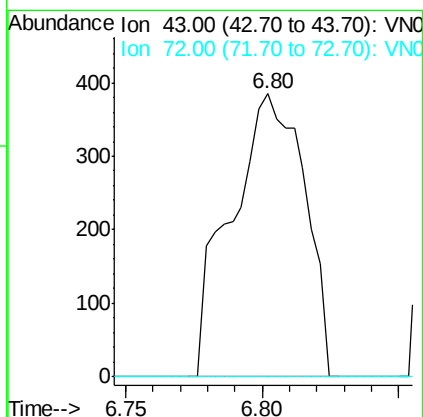
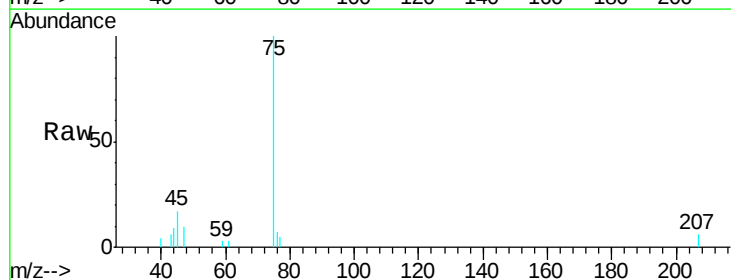
Instrument :
MSVOA_N
ClientSampled :
FB-100119

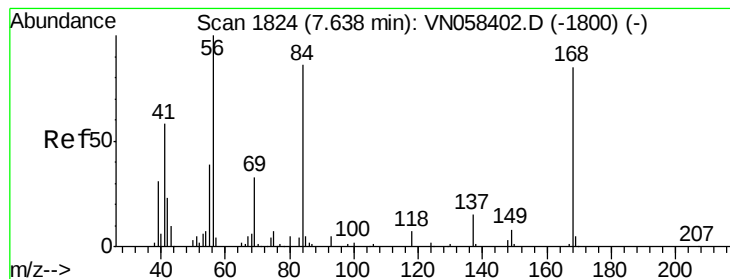
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 26.6 22.4 33.6



#25
2-Butanone
Concen: 0.246 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN058647.D
Acq: 9 Oct 2019 18:04

Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

FB-100119

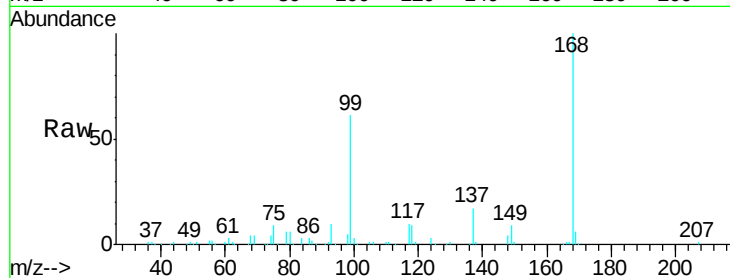
Tgt Ion: 56 Resp: 10002

Ion Ratio Lower Upper

56 100

69 160.5 26.2 39.4#

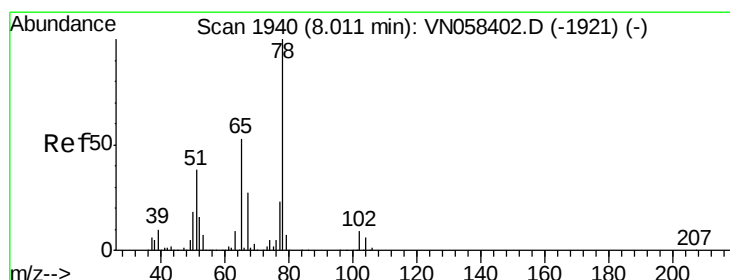
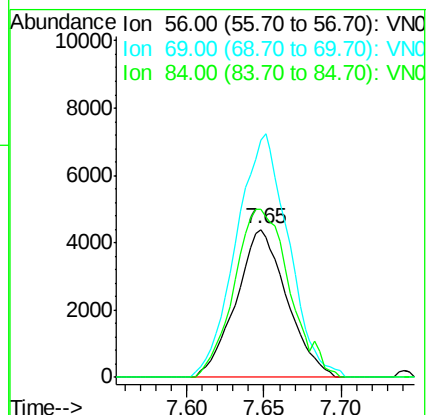
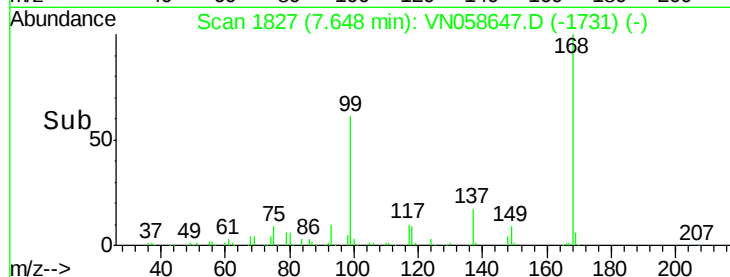
84 114.0 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.442 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058647.D

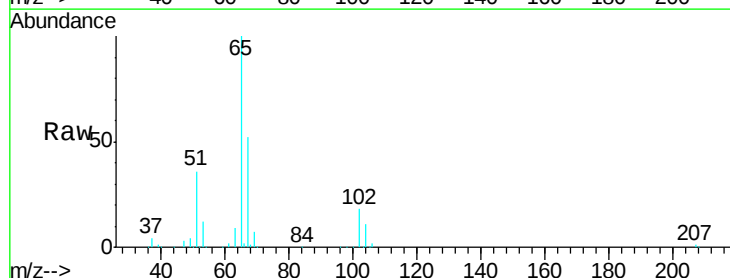
Acq: 9 Oct 2019 18:04

Tgt Ion: 65 Resp: 296117

Ion Ratio Lower Upper

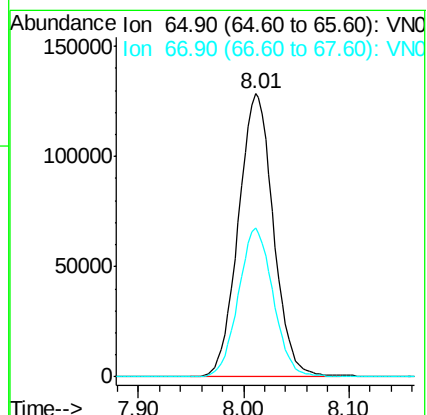
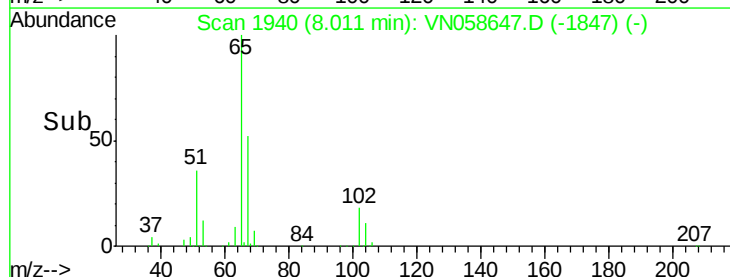
65 100

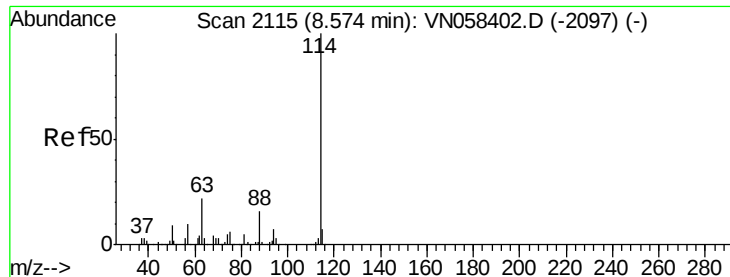
67 52.2 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

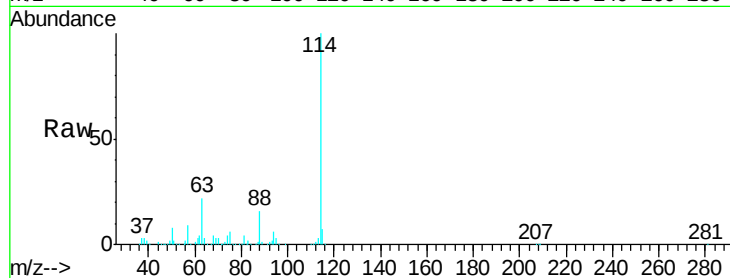




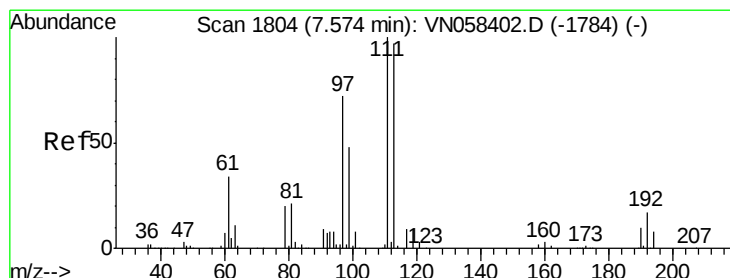
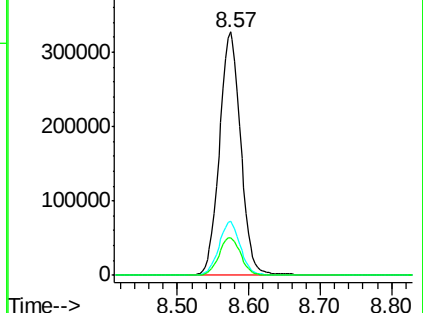
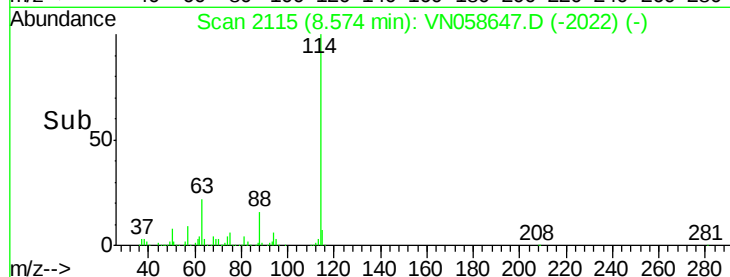
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058647.D
 Acq: 9 Oct 2019 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-100119

Tgt Ion:114 Resp: 676297
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 15.6 0.0 32.2

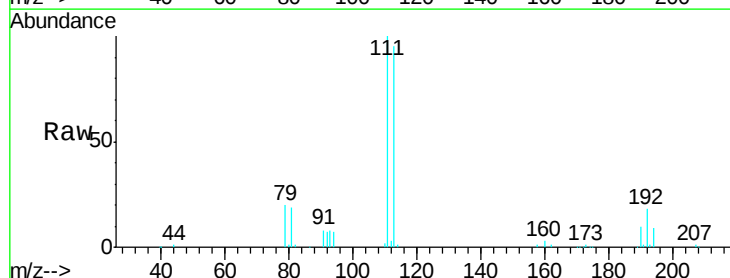


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

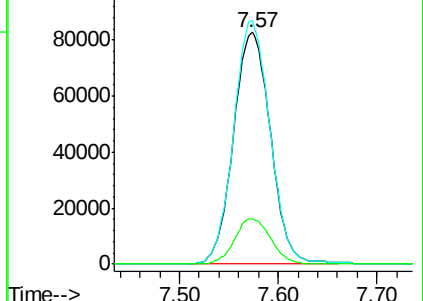
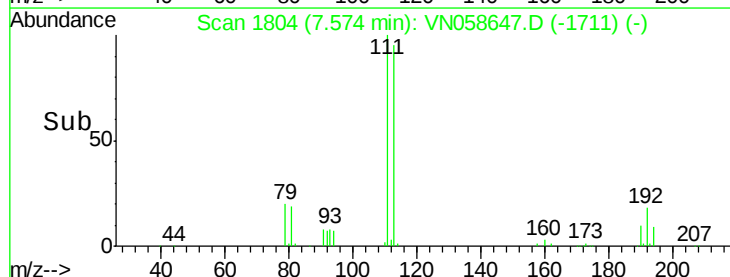


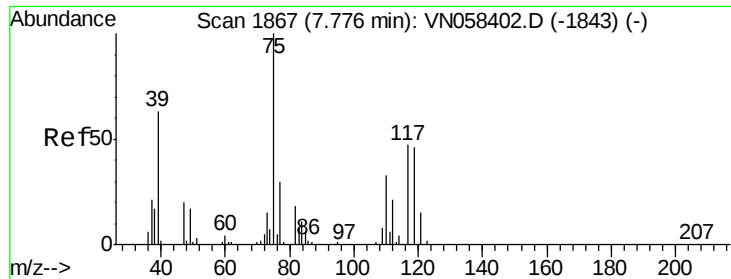
#35
 Dibromofluoromethane
 Concen: 52.115 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058647.D
 Acq: 9 Oct 2019 18:04

Tgt Ion:113 Resp: 216013
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 19.0 14.9 22.3



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

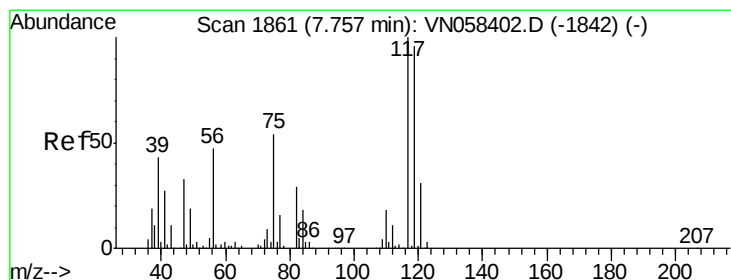
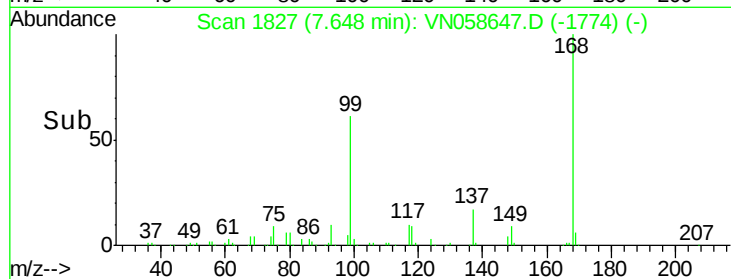
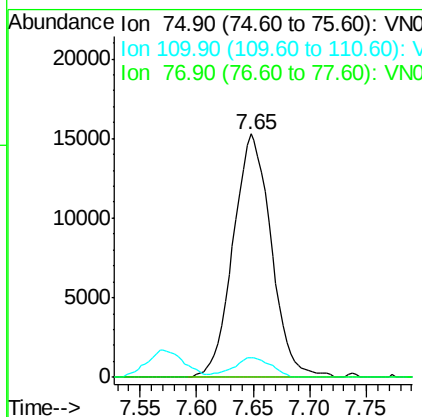
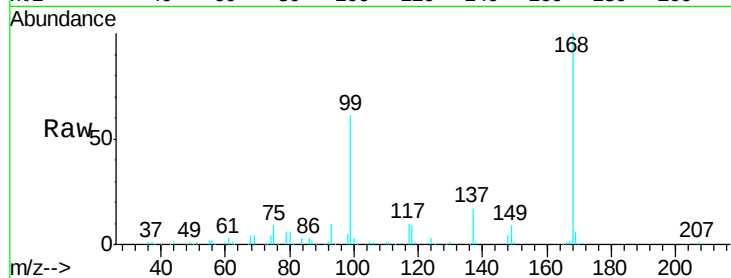




#36
 1,1-Dichloropropene
 Concen: 5.529 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058647.D
 Acq: 9 Oct 2019 18:04

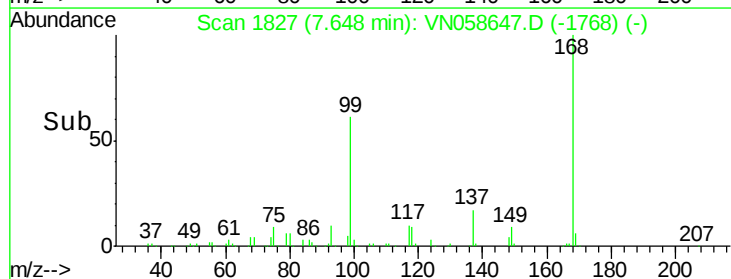
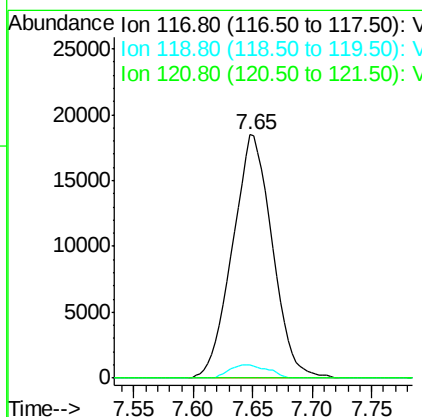
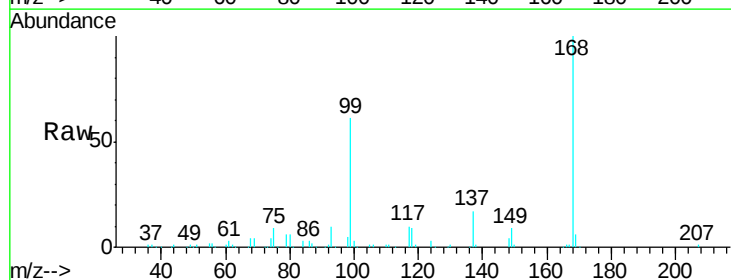
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 ClientSampleId :
 FB-100119

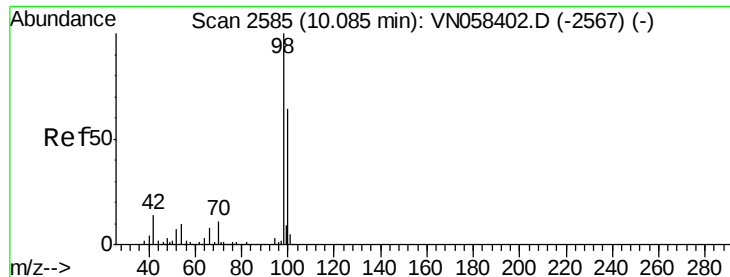
Tgt Ion: 75 Resp: 35757
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.341 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058647.D
 Acq: 9 Oct 2019 18:04

Tgt Ion: 117 Resp: 42848
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.6 115.0#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.744 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

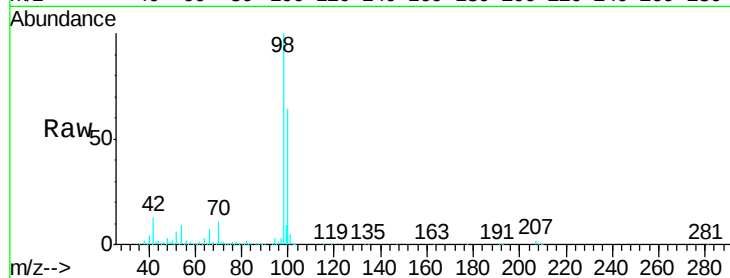
FB-100119

Tgt Ion: 98 Resp: 840193

Ion Ratio Lower Upper

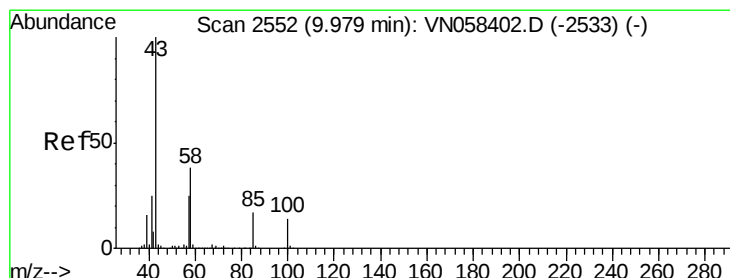
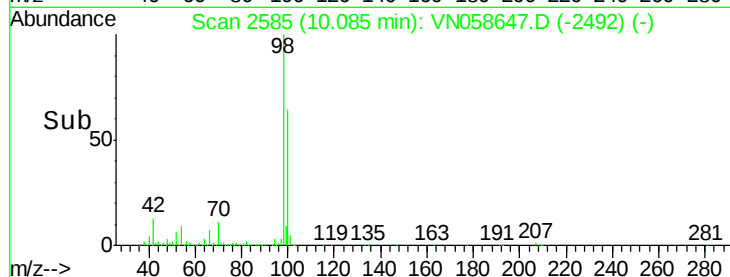
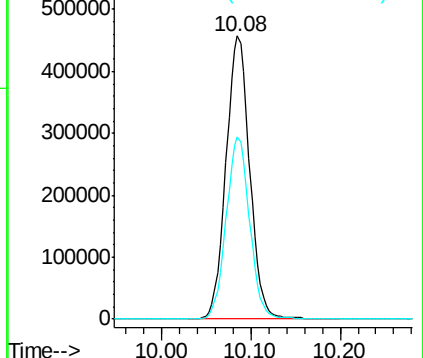
98 100

100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.785 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058647.D

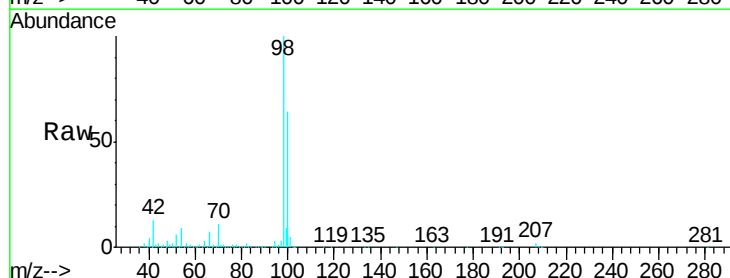
Acq: 9 Oct 2019 18:04

Tgt Ion: 43 Resp: 4157

Ion Ratio Lower Upper

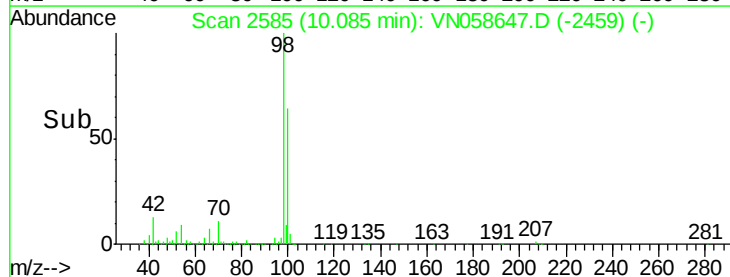
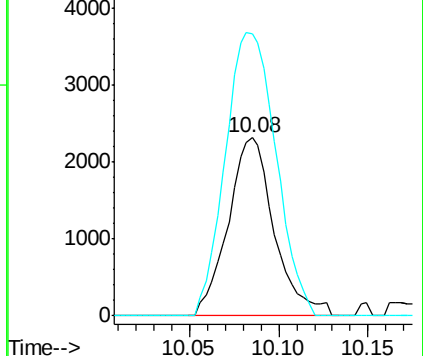
43 100

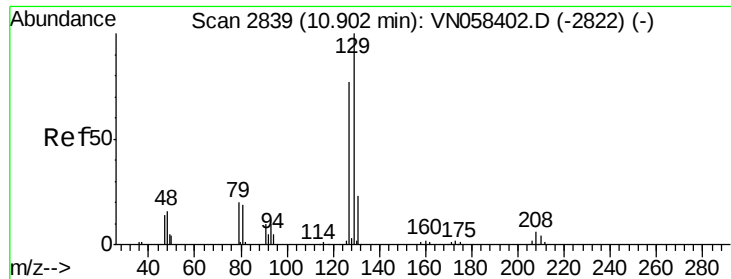
58 175.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

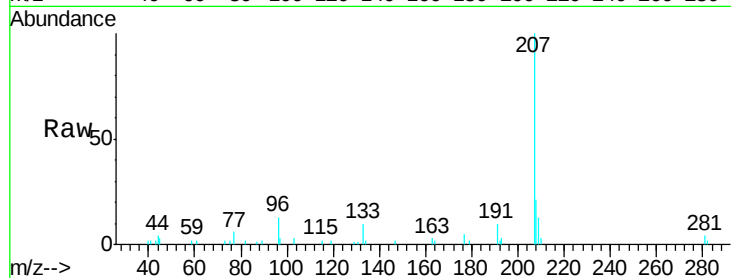
FB-100119

Tgt Ion: 129 Resp: 92

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

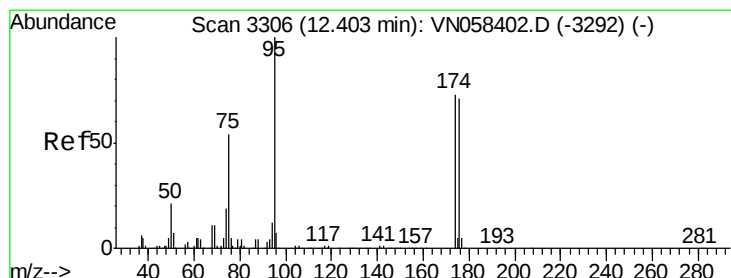
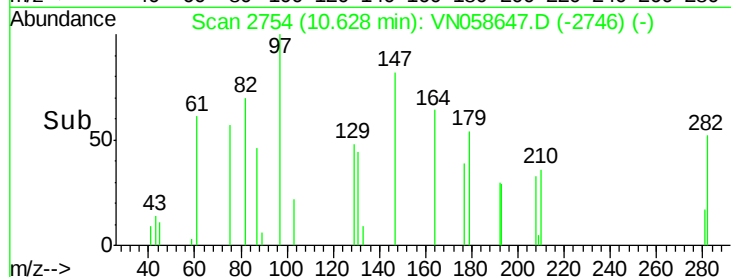
150

100

50

0

10.61 10.62 10.63 10.64



#62

4-Bromofluorobenzene

Concen: 45.233 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

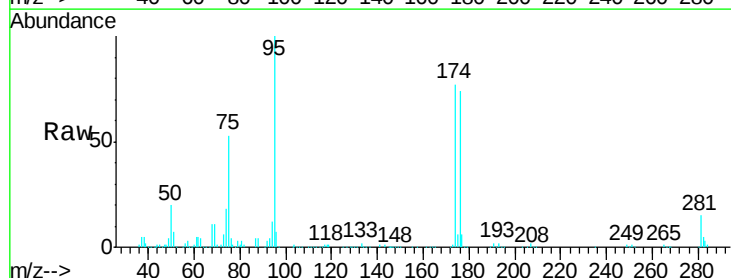
Tgt Ion: 95 Resp: 265570

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

176 73.6 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

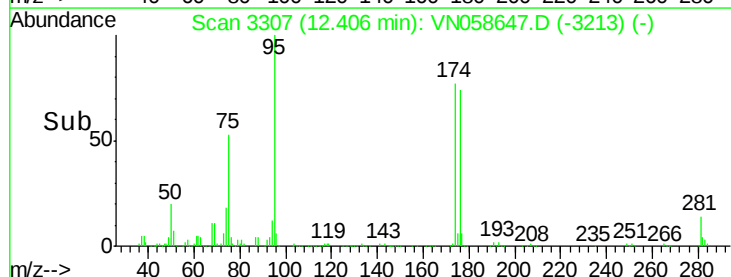
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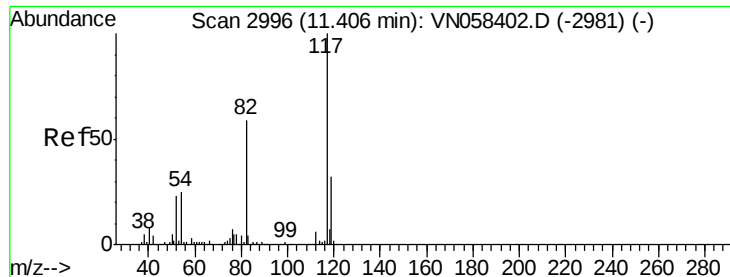
100000

50000

0

12.30 12.40 12.50

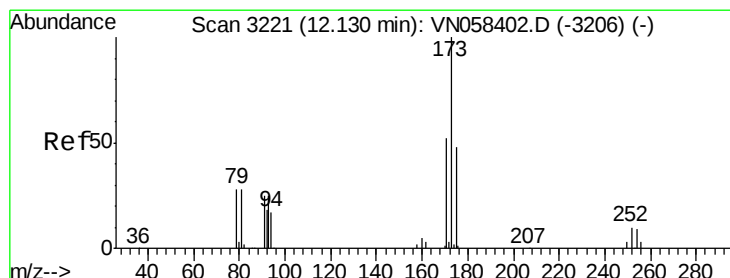
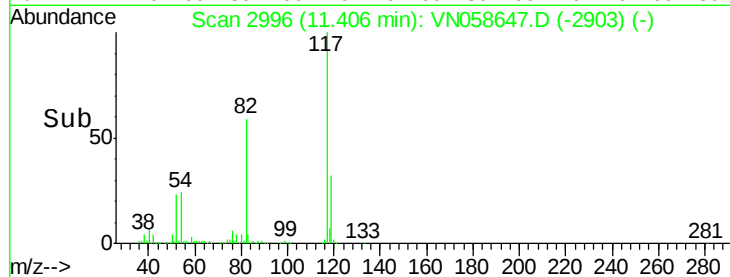
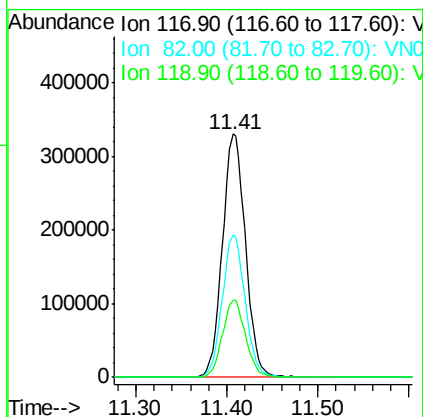
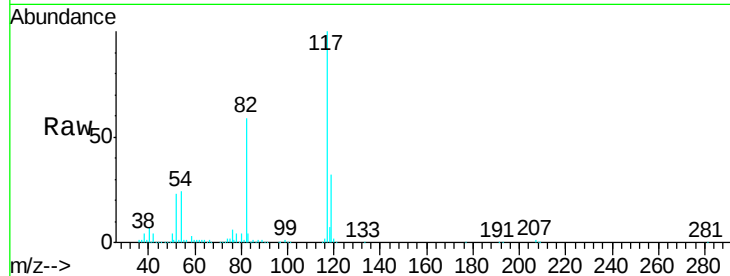




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058647.D
Acq: 9 Oct 2019 18:04

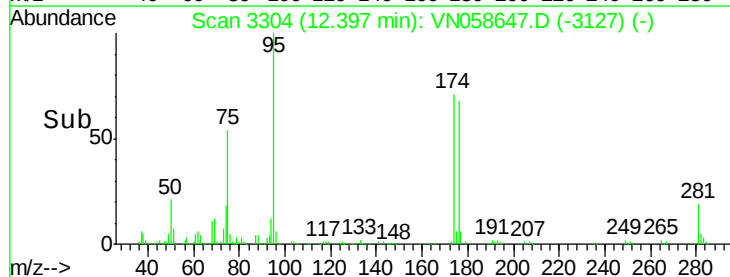
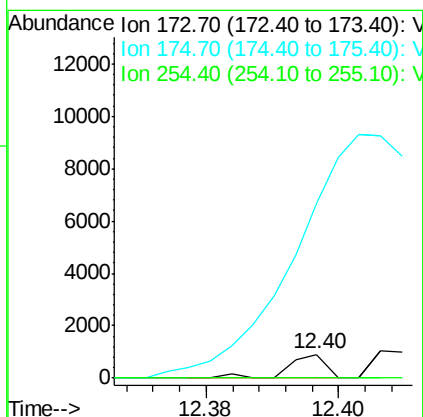
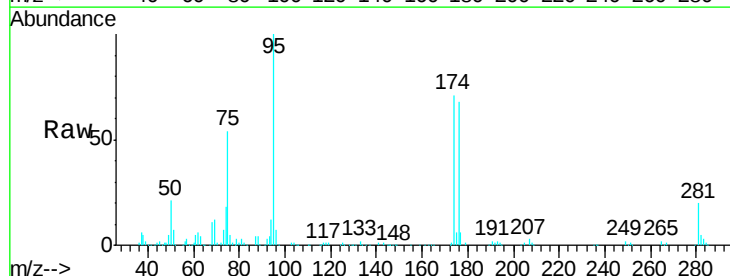
Instrument :
MSVOA_N
ClientSampleId :
FB-100119

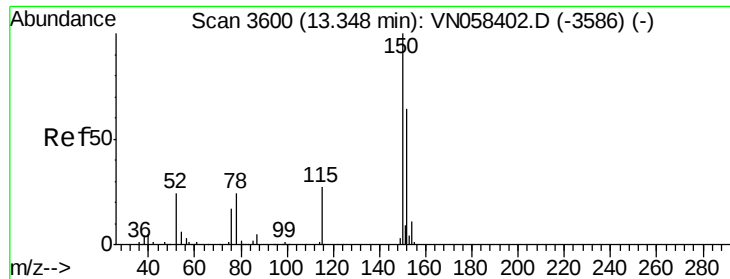
Tgt Ion:117 Resp: 581108
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.0
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.821 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN058647.D
Acq: 9 Oct 2019 18:04

Tgt Ion:173 Resp: 344
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

FB-100119

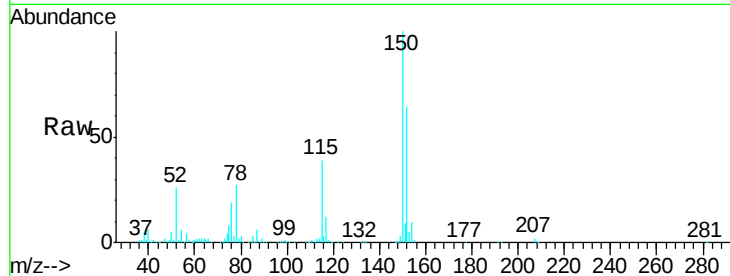
Tgt Ion:152 Resp: 220779

Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

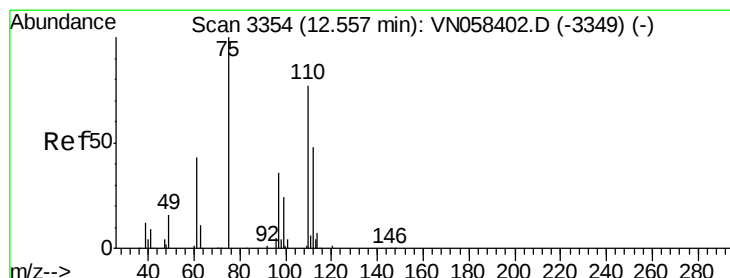
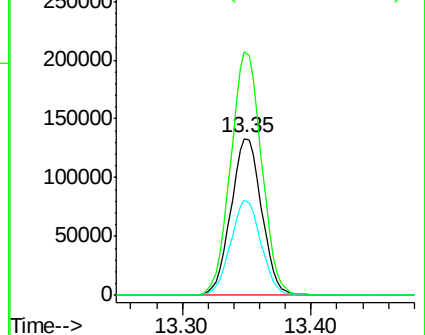
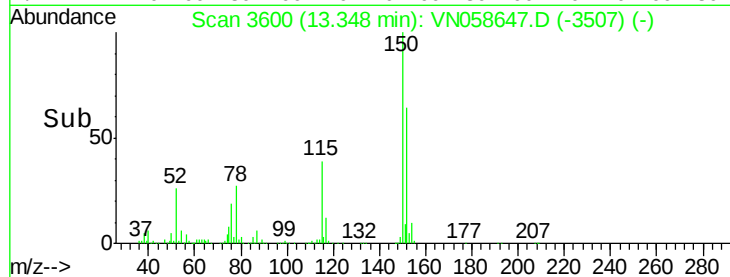
150 155.8 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 34.898 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058647.D

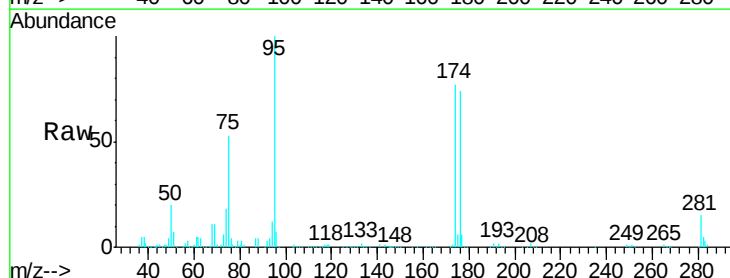
Acq: 9 Oct 2019 18:04

Tgt Ion: 75 Resp: 140728

Ion Ratio Lower Upper

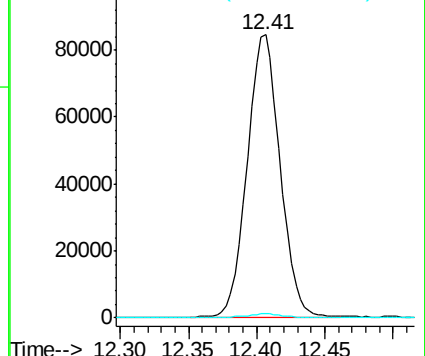
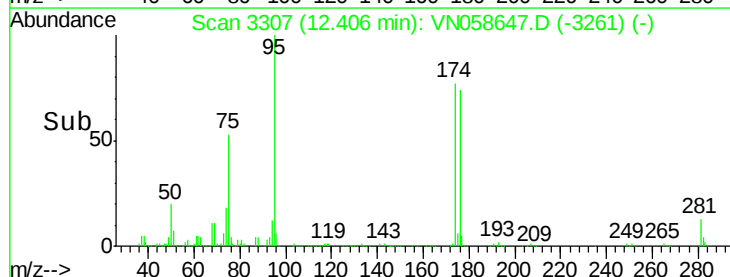
75 100

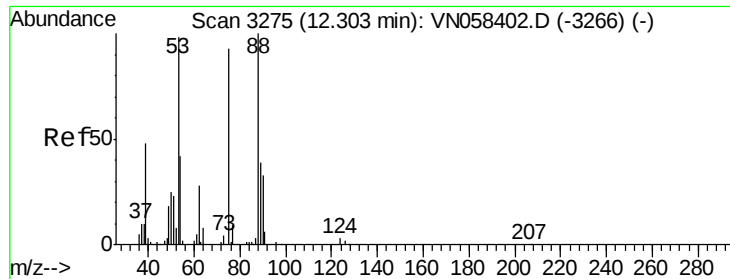
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.990 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

FB-100119

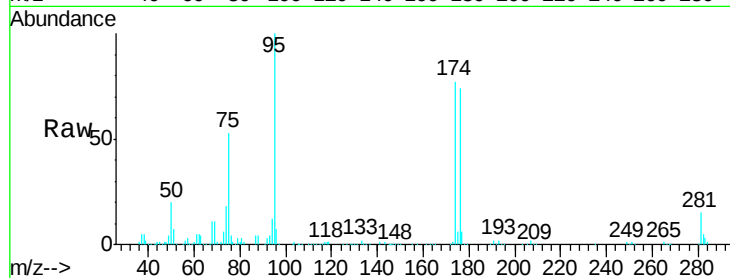
Tgt Ion: 75 Resp: 140728

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

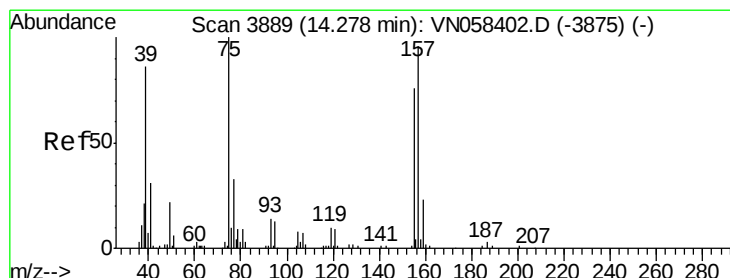
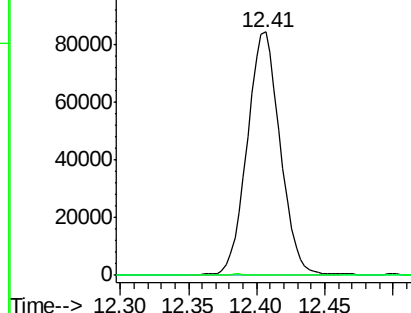
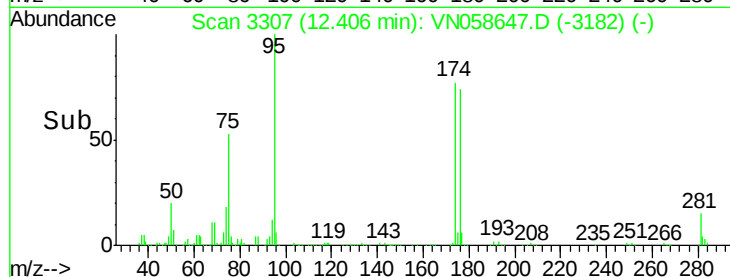
89 0.1 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.361 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058647.D

Acq: 9 Oct 2019 18:04

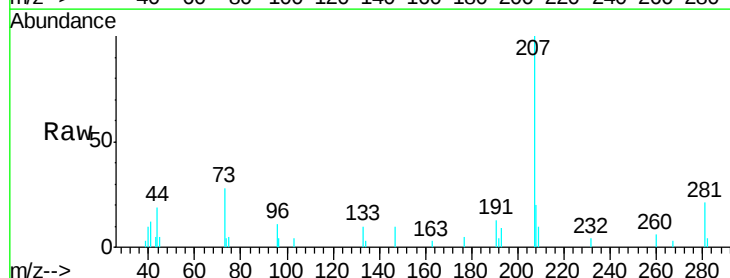
Tgt Ion: 75 Resp: 307

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

