

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058646.D
 Acq On : 9 Oct 2019 17:42
 Operator : JC/SP
 Sample : K5184-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-100219

Quant Time: Oct 10 04:39:08 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	411356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	212579	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	287840	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	209729	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.08	98	806823	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.41	95	253975	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

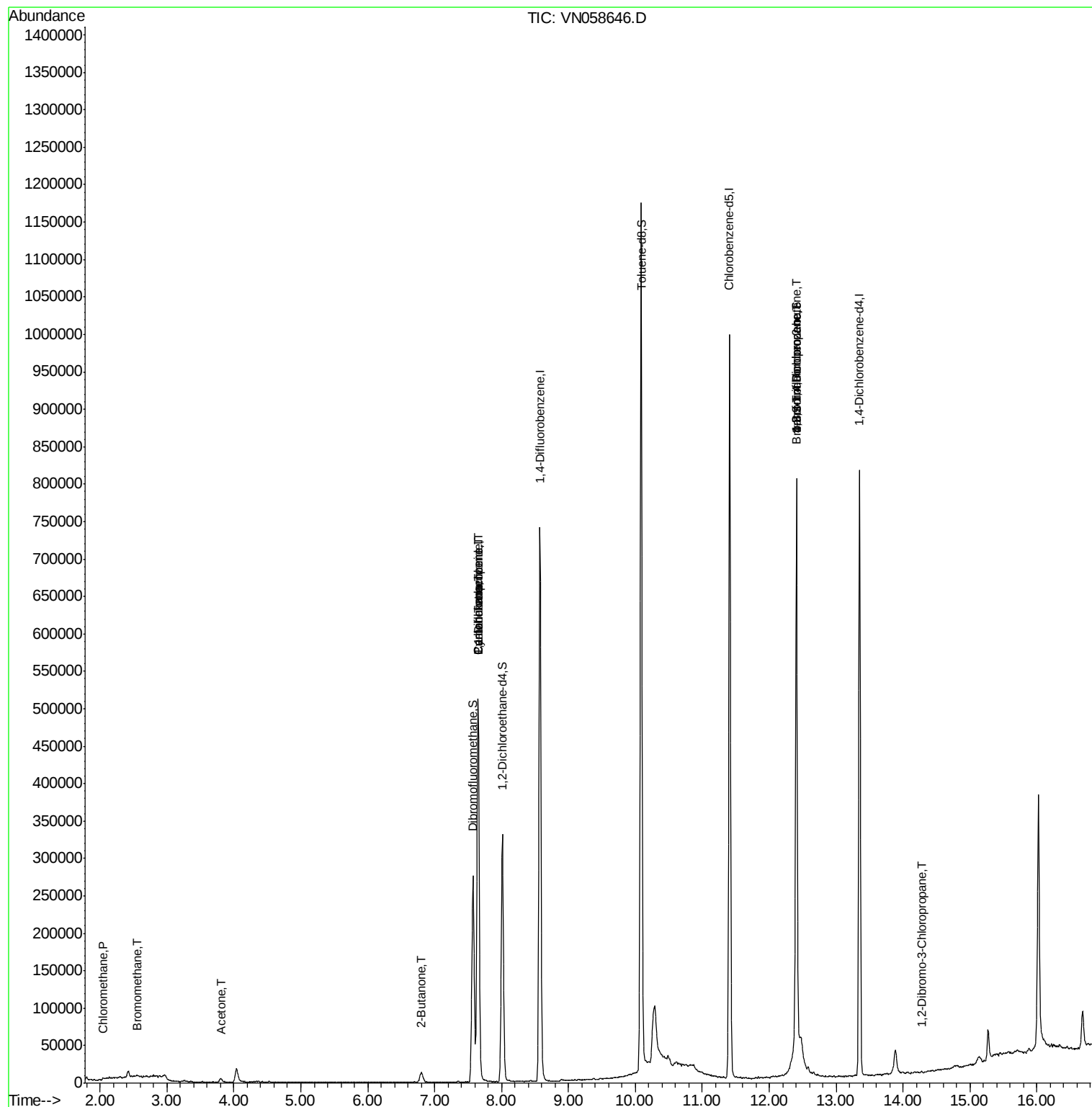
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1510	0.305	ug/l	95
5) Bromomethane	2.57	94	765	0.296	ug/l	93
16) Acetone	3.81	43	8227	4.015	ug/l	98
25) 2-Butanone	6.81	43	705	0.251	ug/l #	50
31) Cyclohexane	7.65	56	9992	1.201	ug/l #	3
36) 1,1-Dichloropropene	7.65	75	34302	5.475	ug/l #	51
38) Carbon Tetrachloride	7.65	117	41994	7.425	ug/l #	17
60) Dibromochloromethane	10.62	129	134	Below Cal	#	11
71) Bromoform	12.39	173	322	0.817	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	134577	34.660	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	134577	105.267	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.27	75	252	0.308	ug/l #	5

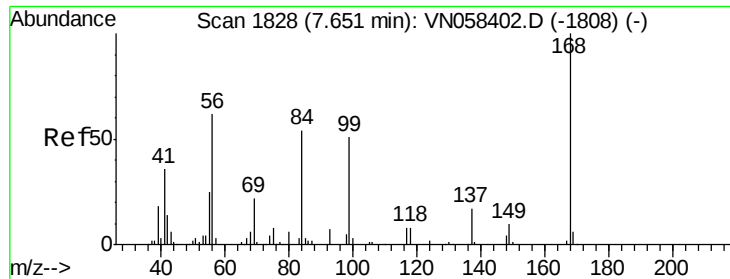
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

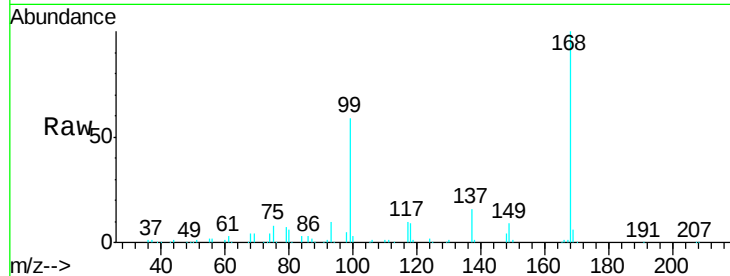
FB-100219

Tgt Ion:168 Resp: 411356

Ion Ratio Lower Upper

168 100

99 59.0 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

150000

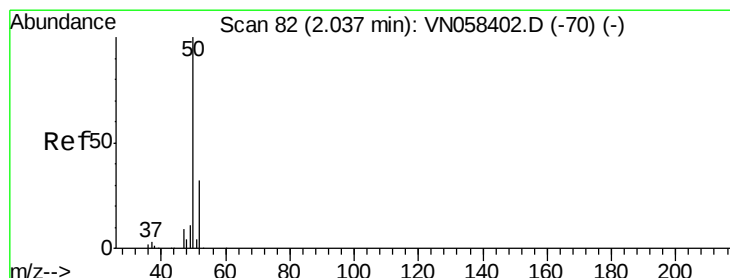
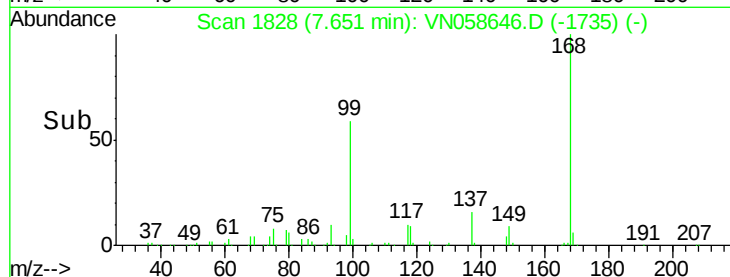
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058646.D

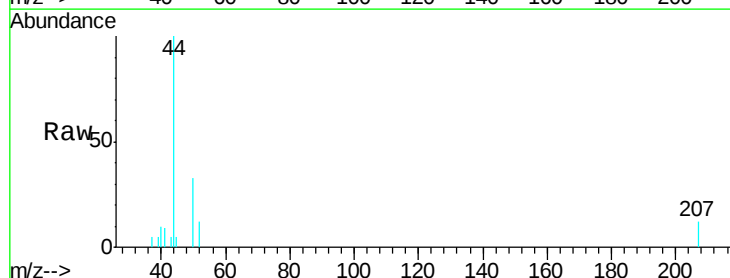
Acq: 9 Oct 2019 17:42

Tgt Ion: 50 Resp: 1510

Ion Ratio Lower Upper

50 100

52 35.1 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) (-)

2.04

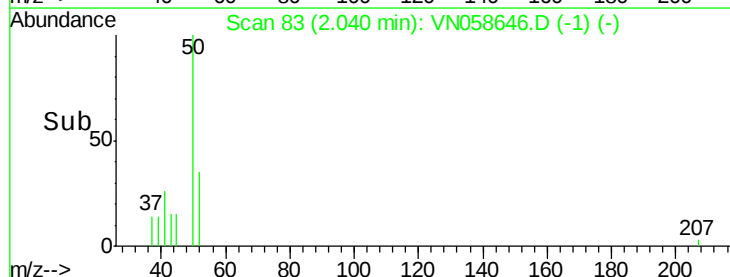
1000

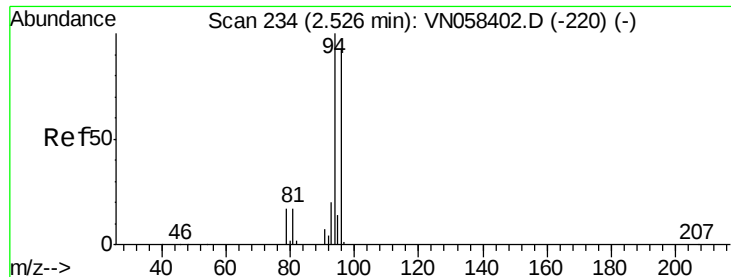
500

0

2.00 2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.296 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.04 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

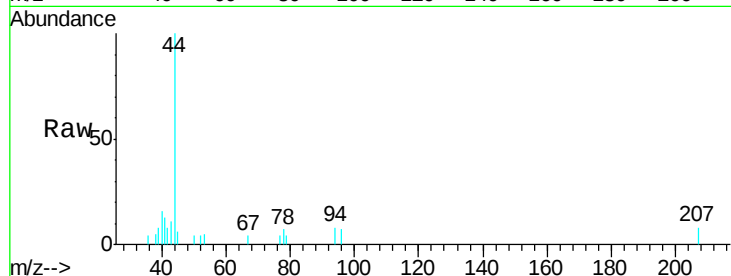
FB-100219

Tgt Ion: 94 Resp: 765

Ion Ratio Lower Upper

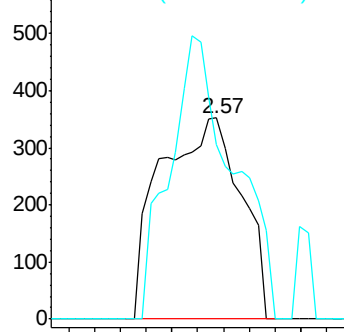
94 100

96 86.6 74.8 112.2

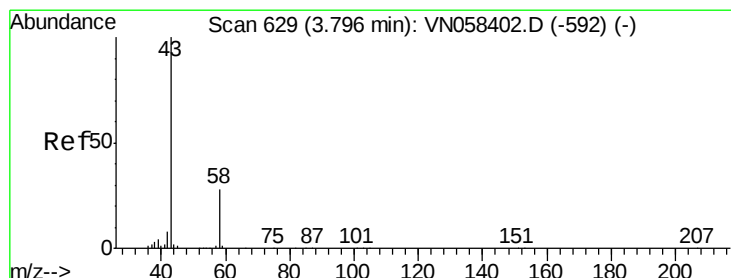
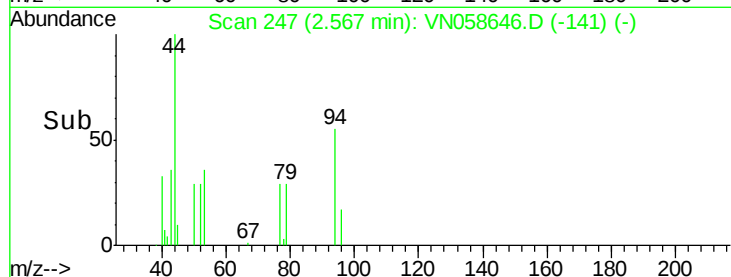


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: 4.015 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058646.D

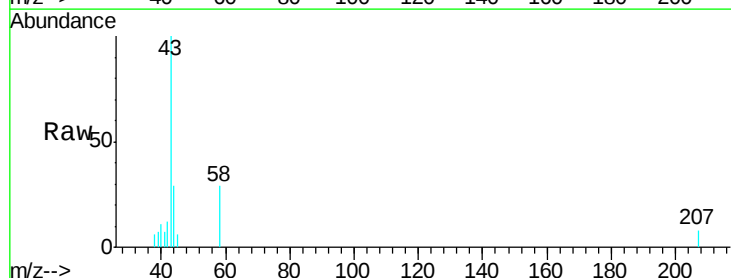
Acq: 9 Oct 2019 17:42

Tgt Ion: 43 Resp: 8227

Ion Ratio Lower Upper

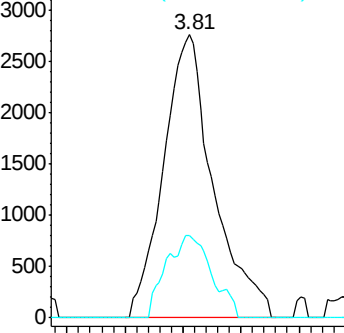
43 100

58 29.1 22.4 33.6

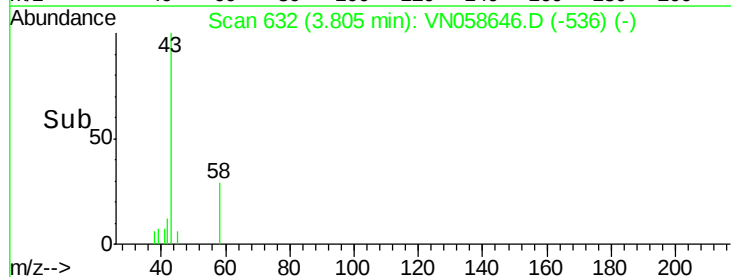


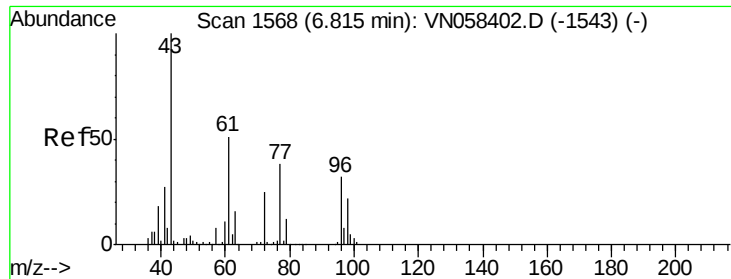
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#25

2-Butanone

Concen: 0.251 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

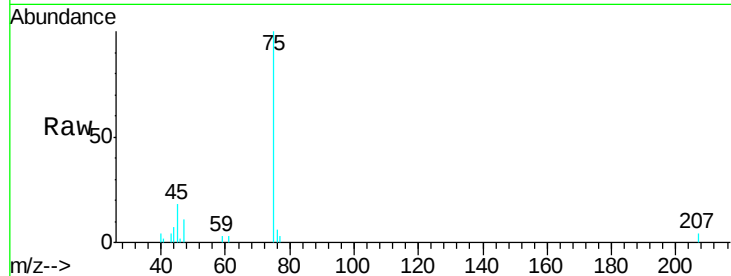
FB-100219

Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

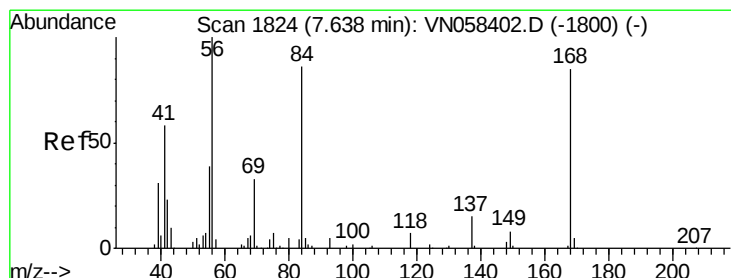
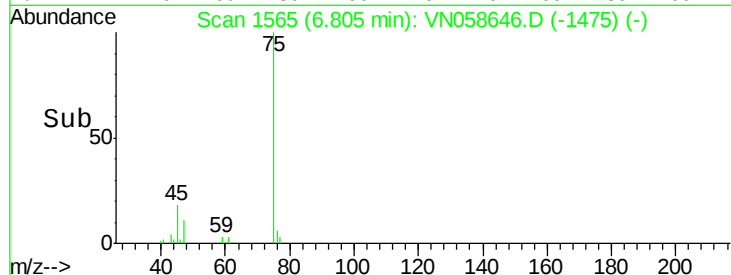
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

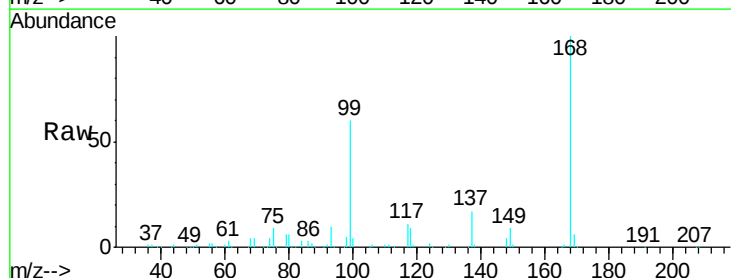
Tgt Ion: 56 Resp: 9992

Ion Ratio Lower Upper

56 100

69 178.2 26.2 39.4#

84 116.5 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

7.65

8000

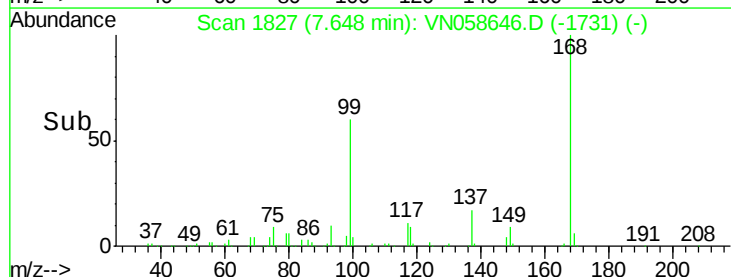
6000

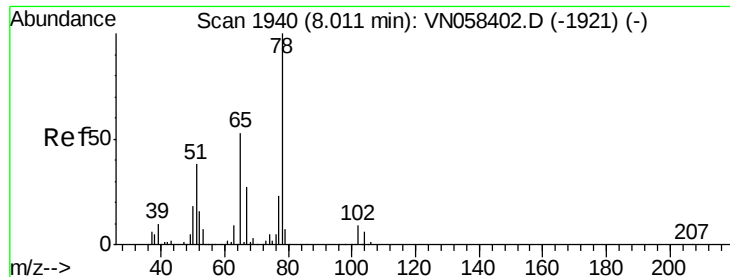
4000

2000

0

Time-->

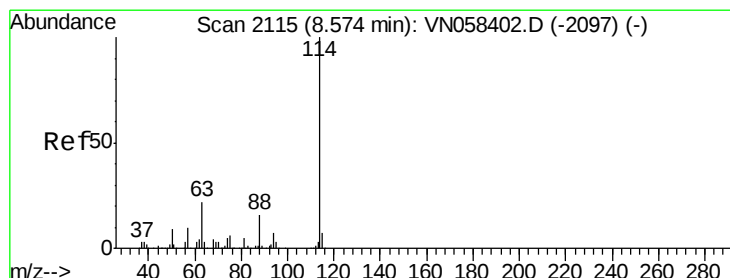
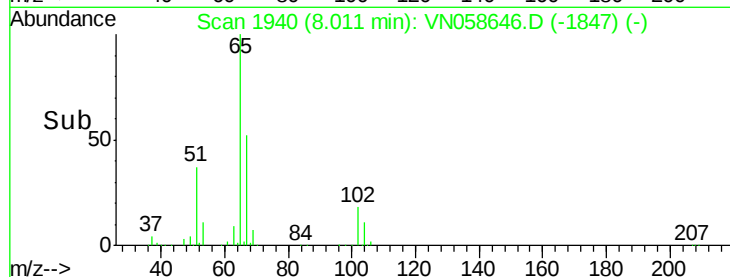
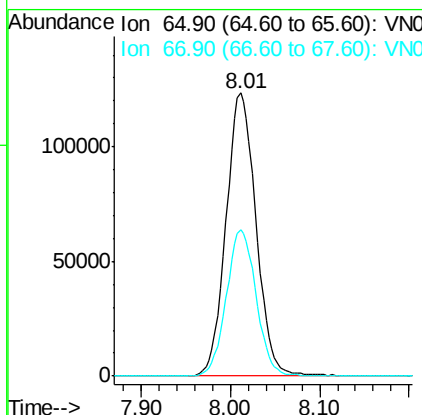
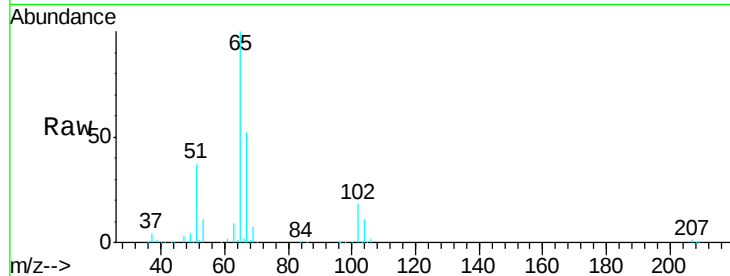




#33
 1,2-Dichloroethane-d4
 Concen: 47.883 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058646.D
 Acq: 9 Oct 2019 17:42

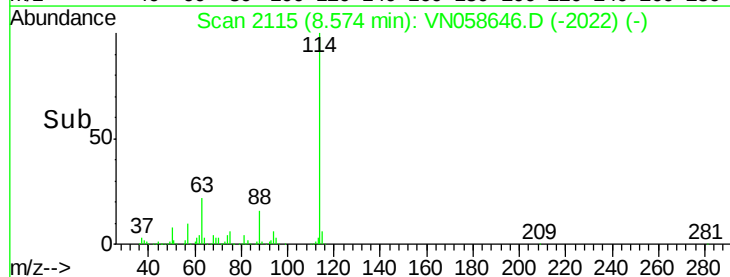
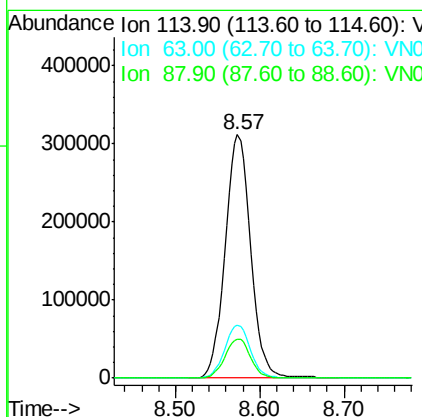
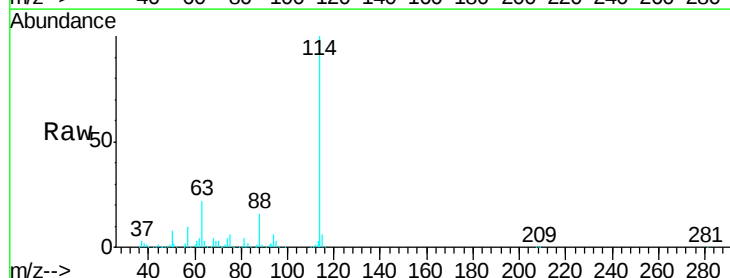
Instrument :
 MSVOA_N
 ClientSampled :
 FB-100219

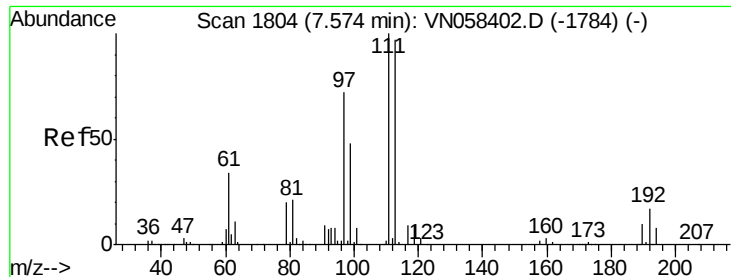
Tgt Ion: 65 Resp: 287840
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058646.D
 Acq: 9 Oct 2019 17:42

Tgt Ion: 114 Resp: 655260
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.0
 88 15.9 0.0 32.2

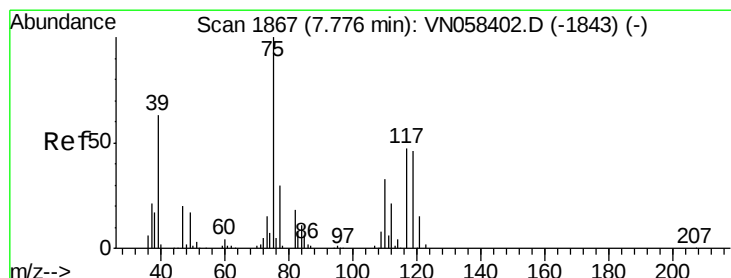
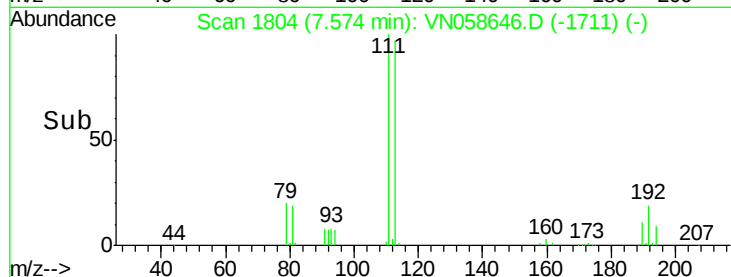
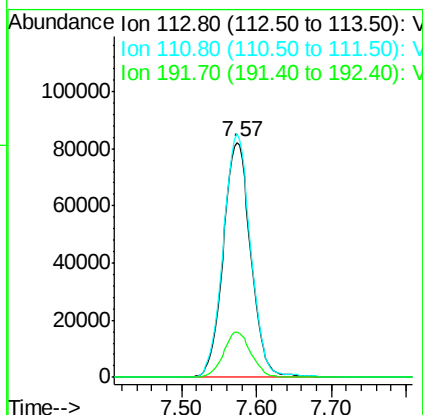
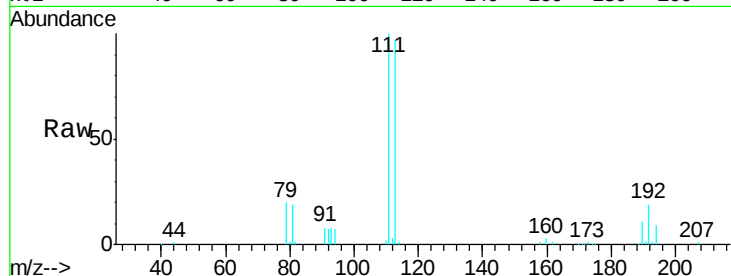




#35
 Dibromofluoromethane
 Concen: 52.223 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058646.D
 Acq: 9 Oct 2019 17:42

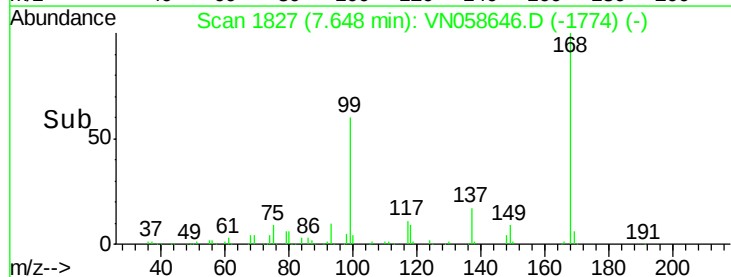
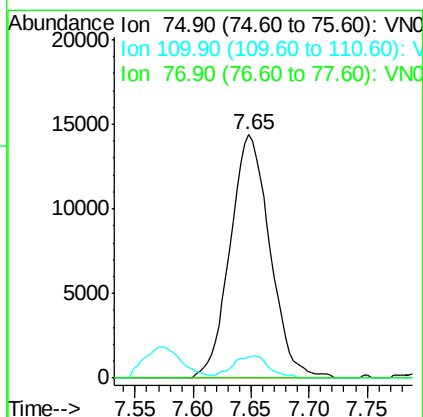
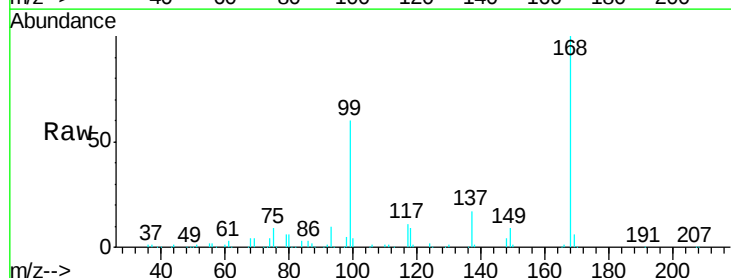
Instrument :
 MSVOA_N
 ClientSampled :
 FB-100219

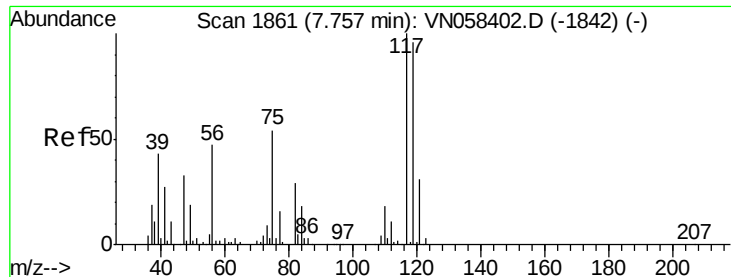
Tgt Ion: 113 Resp: 209729
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 19.1 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.475 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058646.D
 Acq: 9 Oct 2019 17:42

Tgt Ion: 75 Resp: 34302
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.4 49.2#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.425 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

FB-100219

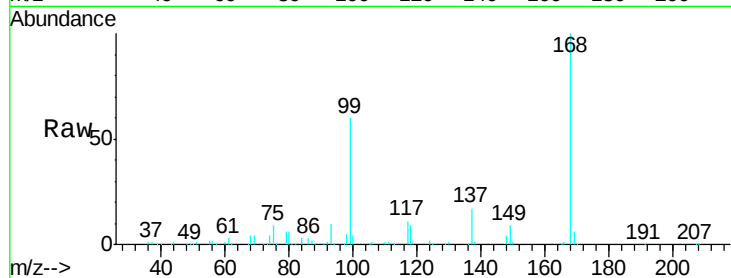
Tgt Ion:117 Resp: 41994

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

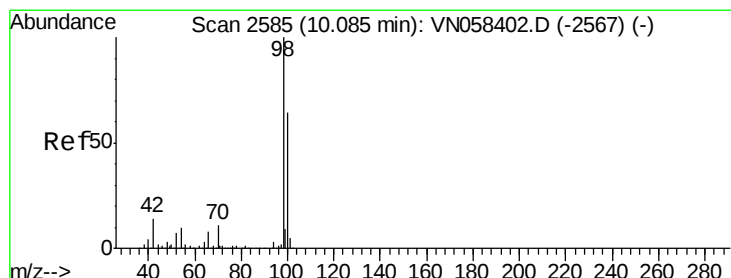
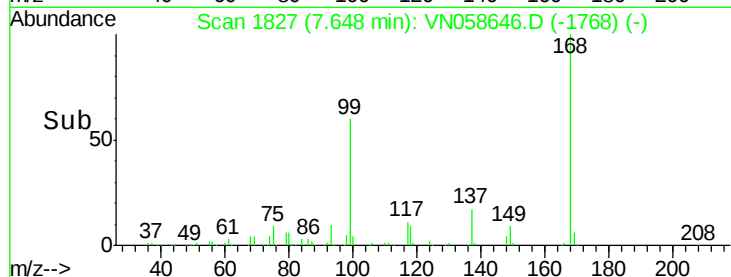
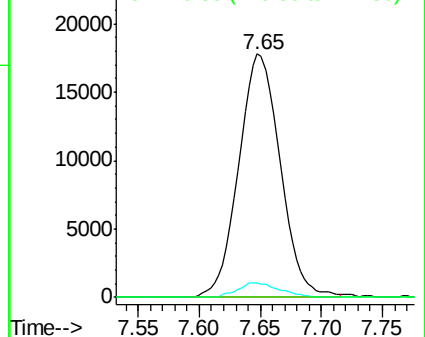
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.284 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058646.D

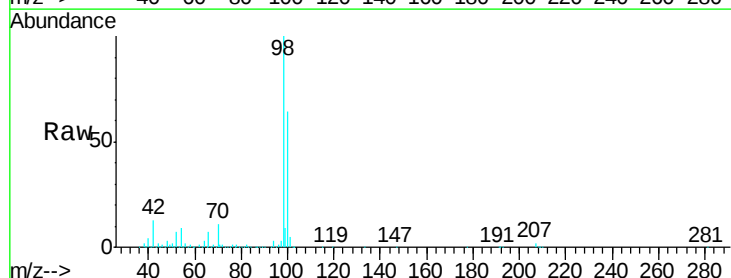
Acq: 9 Oct 2019 17:42

Tgt Ion: 98 Resp: 806823

Ion Ratio Lower Upper

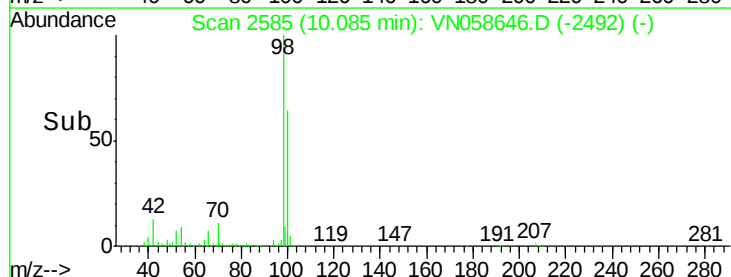
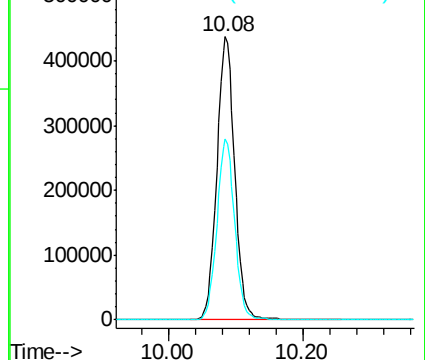
98 100

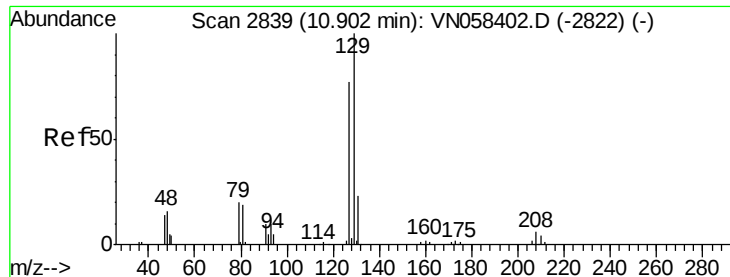
100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.62 min Scan# 2752

Delta R.T. -0.28 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

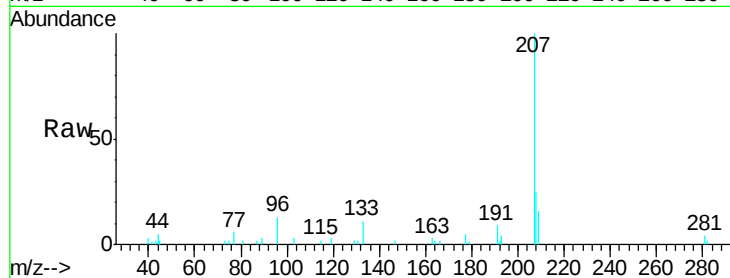
FB-100219

Tgt Ion:129 Resp: 134

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

10.62

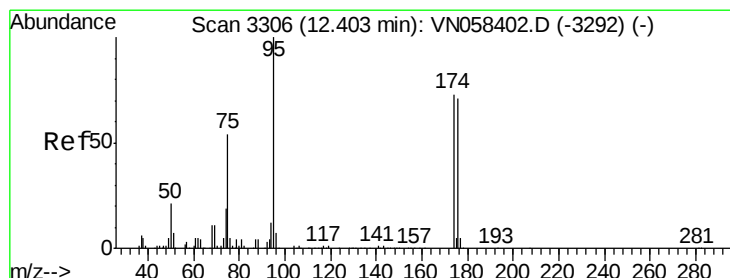
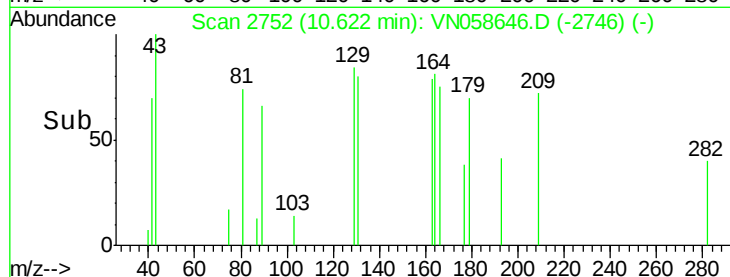
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.647 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058646.D

Acq: 9 Oct 2019 17:42

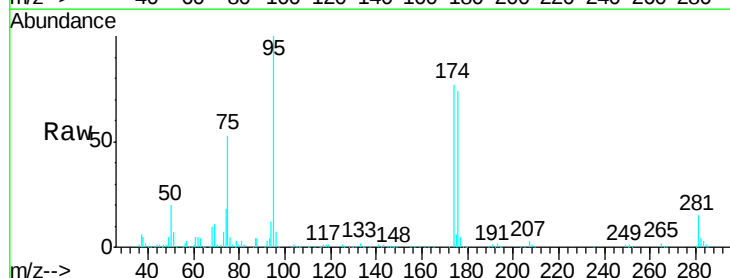
Tgt Ion: 95 Resp: 253975

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.6

176 73.9 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

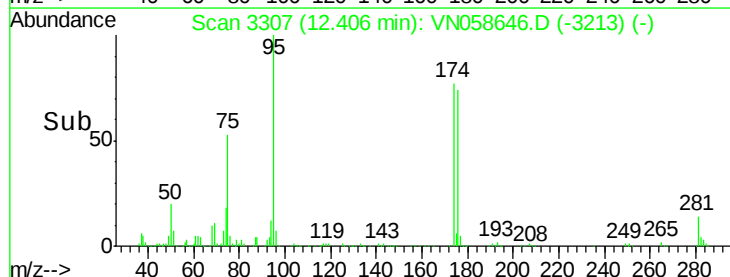
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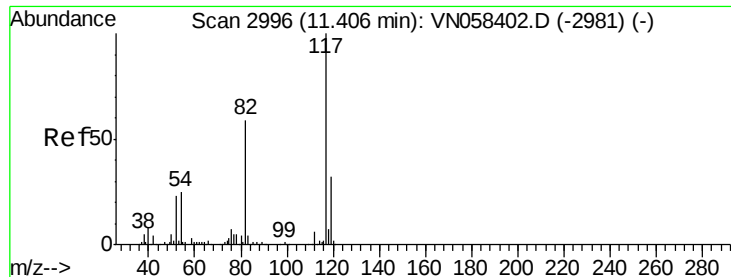
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50000

0

Time-->

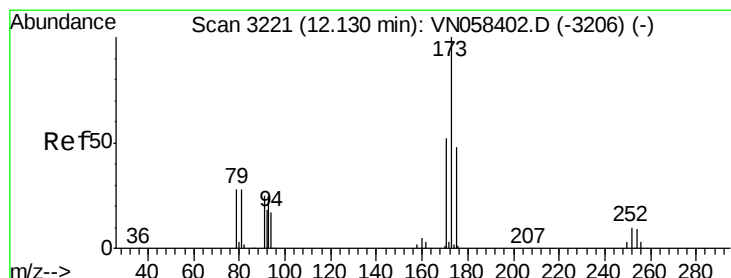
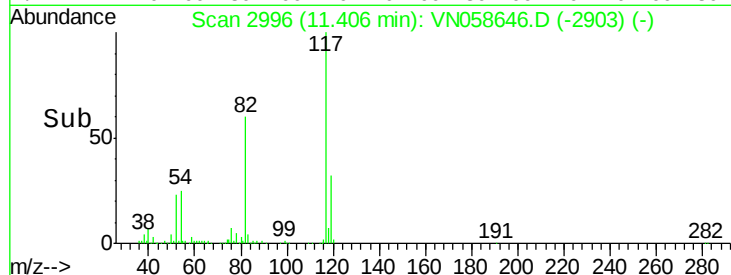
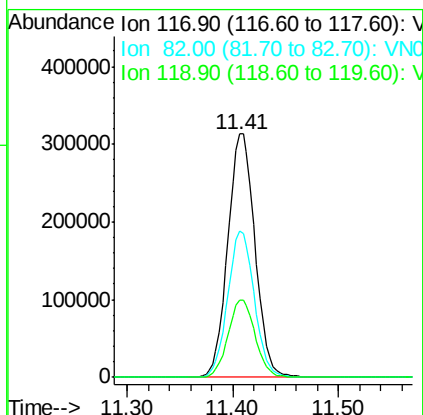
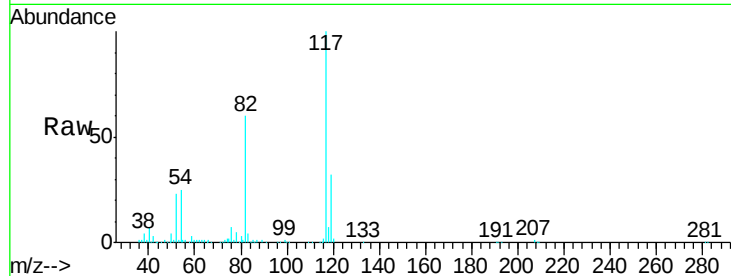




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058646.D
Acq: 9 Oct 2019 17:42

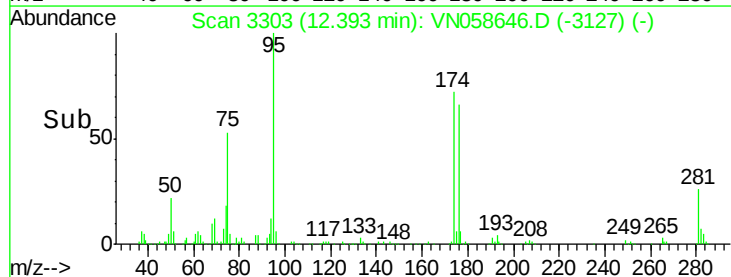
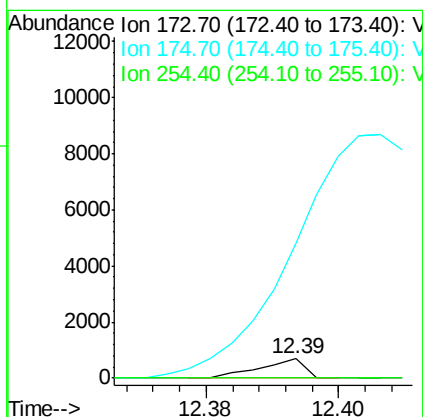
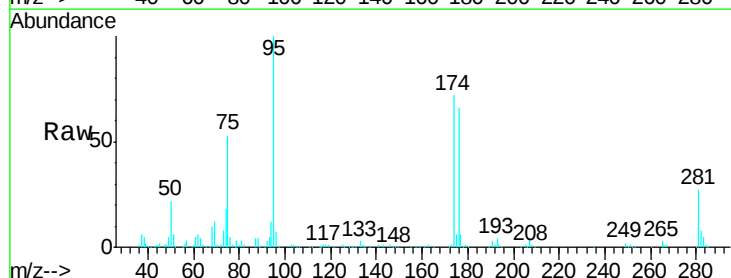
Instrument :
MSVOA_N
ClientSampleId :
FB-100219

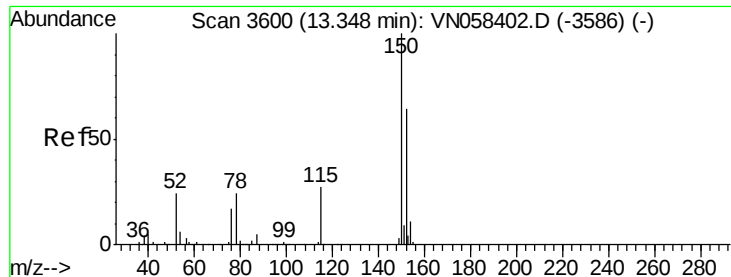
Tgt Ion:117 Resp: 558858
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.817 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN058646.D
Acq: 9 Oct 2019 17:42

Tgt Ion:173 Resp: 322
Ion Ratio Lower Upper
173 100
175 3912.1 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: VN058646.D

Acq: 9 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

FB-100219

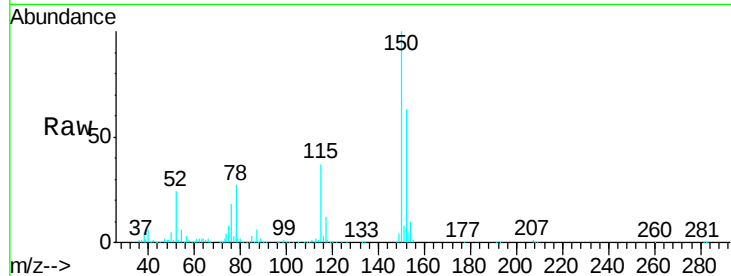
Tgt Ion:152 Resp: 212579

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

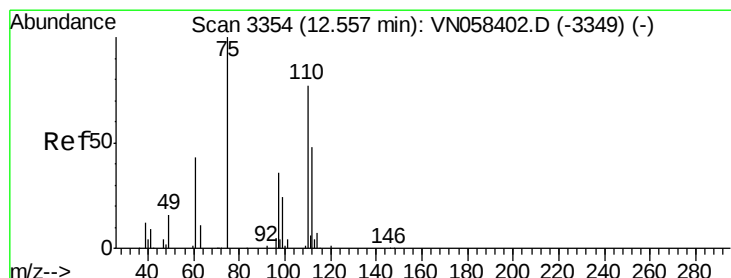
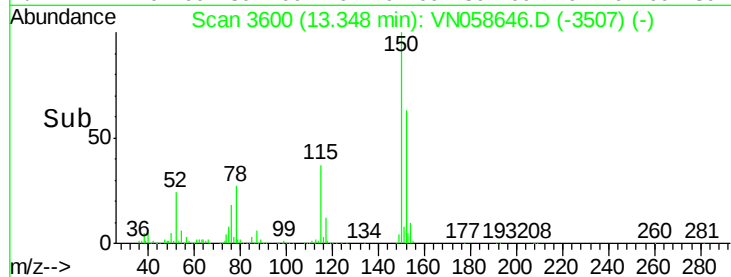
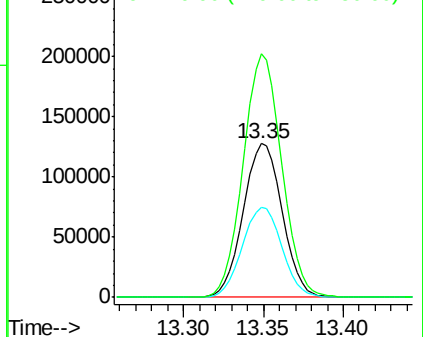
150 156.0 0.0 348.2



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: 34.660 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058646.D

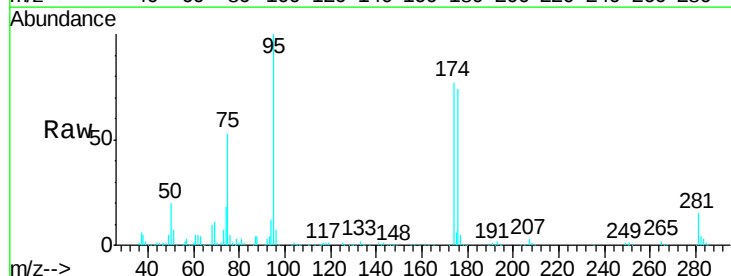
Acq: 9 Oct 2019 17:42

Tgt Ion: 75 Resp: 134577

Ion Ratio Lower Upper

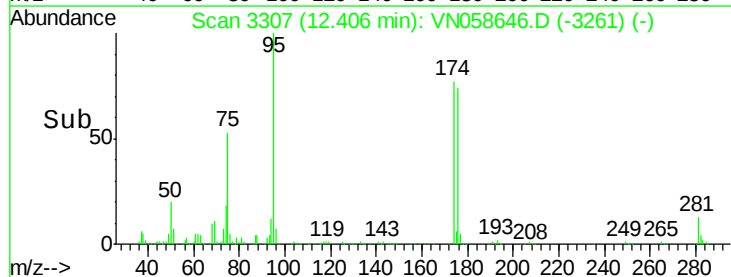
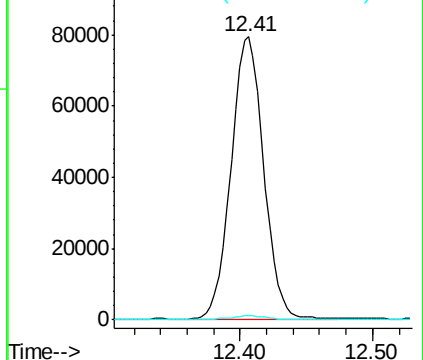
75 100

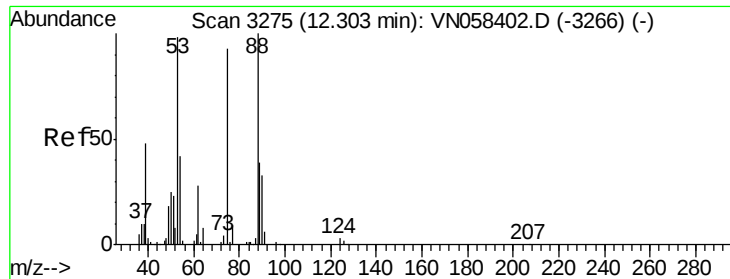
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

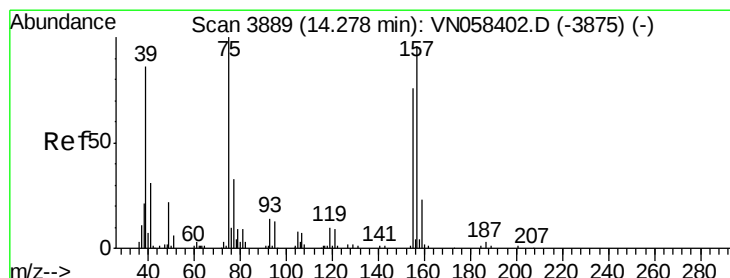
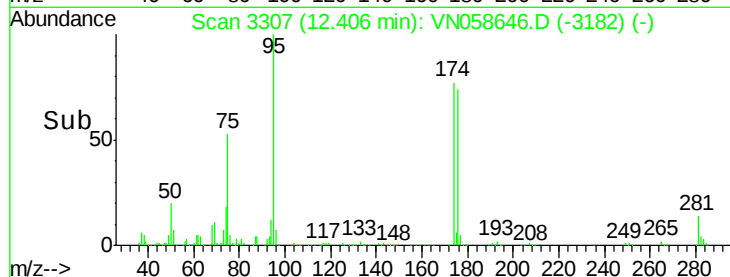
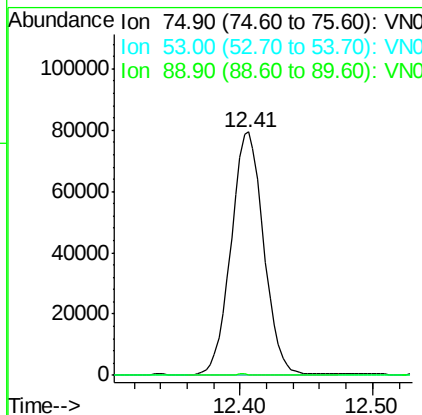
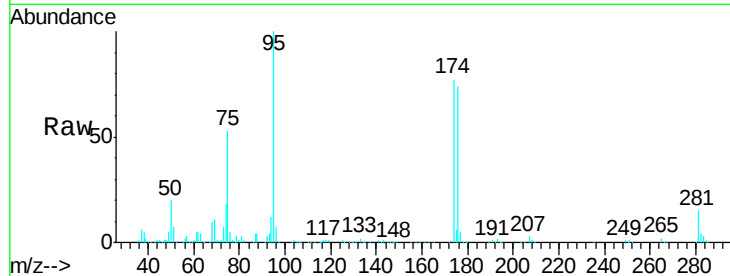




#81
trans-1,4-Dichloro-2-butene
Concen: 105.267 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058646.D
Acq: 9 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
FB-100219

Tgt Ion: 75 Resp: 134577
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.0#
89 0.3 35.0 52.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.308 ug/l
RT: 14.27 min Scan# 3888
Delta R.T. -0.00 min
Lab File: VN058646.D
Acq: 9 Oct 2019 17:42

Tgt Ion: 75 Resp: 252
Ion Ratio Lower Upper
75 100
155 0.0 39.2 117.6#
157 0.0 48.7 146.1#

