

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050389.D
 Acq On : 6 Aug 2018 17:30
 Operator : MD\SY
 Sample : PB11760ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#04

Quant Time: Aug 07 05:49:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	709479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1162807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	487550	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	432332	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.09	98	1588298	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.40	95	472008	39.48	ug/l	0.00
Spiked Amount			Recovery	=	78.96%	

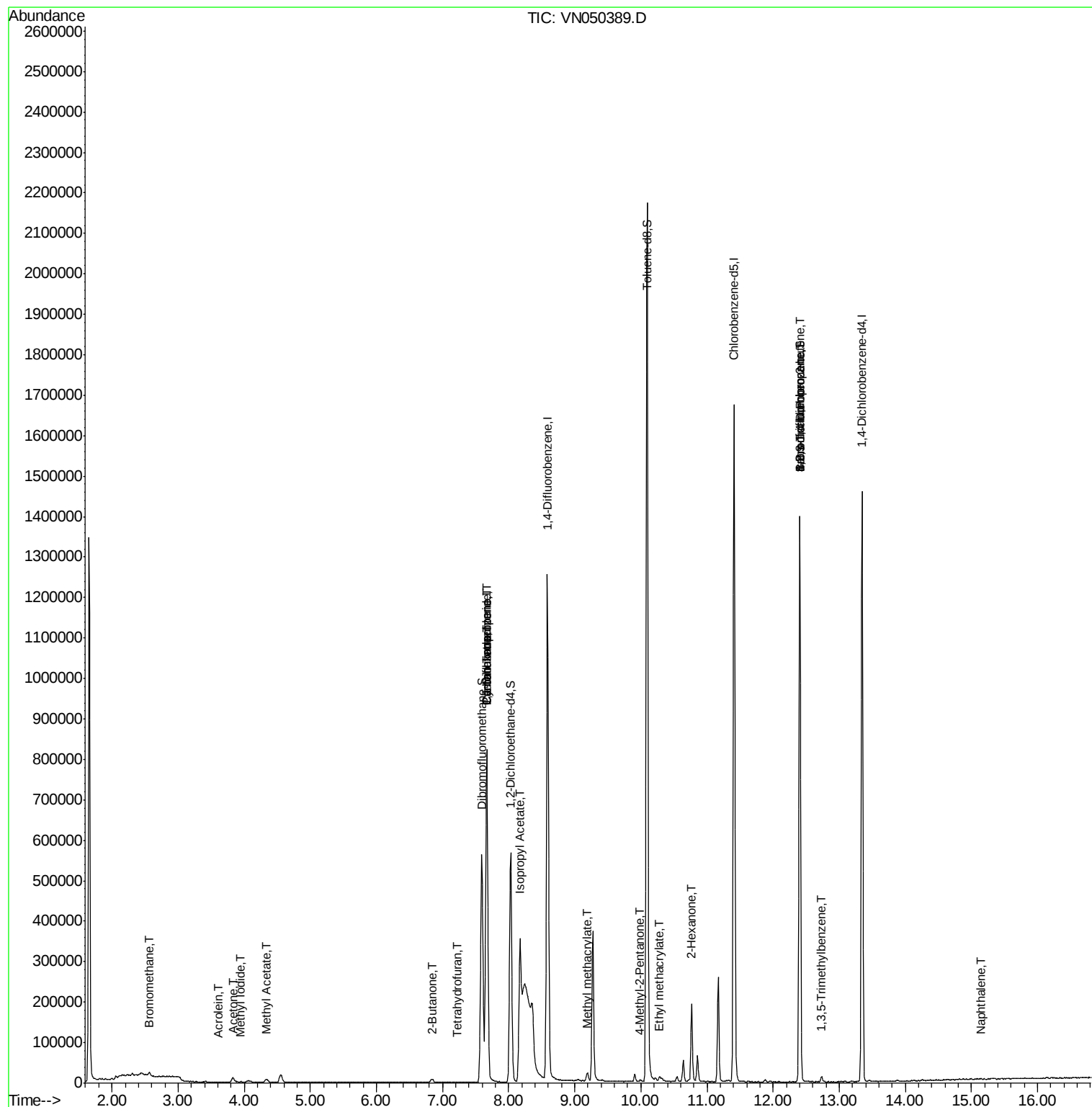
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4498	Below Cal		93
5) Bromomethane	2.56	94	5279	1.23	ug/l	90
10) Methyl Iodide	3.95	142	2355	0.66	ug/l #	67
13) Acrolein	3.61	56	62	15.09	ug/l #	72
16) Acetone	3.83	43	21630	7.30	ug/l	100
18) Methyl Acetate	4.33	43	13976	1.72	ug/l	98
25) 2-Butanone	6.84	43	4584	0.98	ug/l #	79
29) Tetrahydrofuran	7.22	42	941	0.37	ug/l #	68
31) Cyclohexane	7.67	56	13065	0.34	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47815	3.74	ug/l #	49
38) Carbon Tetrachloride	7.67	117	62299	4.67	ug/l #	16
43) Isopropyl Acetate	8.17	43	446101	28.09	ug/l #	92
48) Methyl methacrylate	9.18	41	11183	1.40	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3126	0.27	ug/l	90
56) Ethyl methacrylate	10.28	69	275	1.73	ug/l #	1
59) 2-Hexanone	10.77	43	26785	3.36	ug/l #	58
71) Bromoform	12.40	173	1670	0.25	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	227390	30.93	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6378	0.26	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	227390	108.68	ug/l #	13
95) Naphthalene	15.14	128	1159	3.67	ug/l #	72

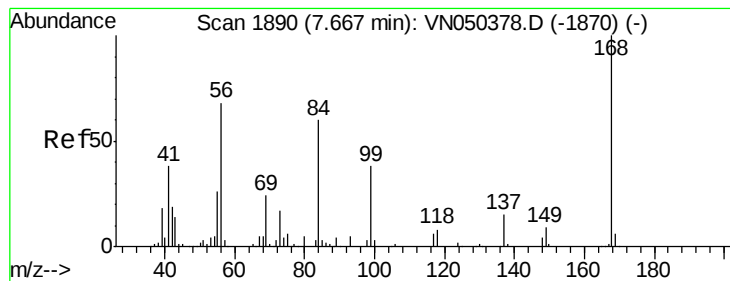
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

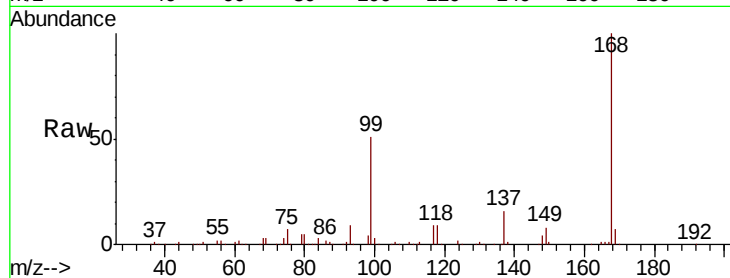
PB11760ZHE#04

Tot Ion:168 Resp: 709479

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

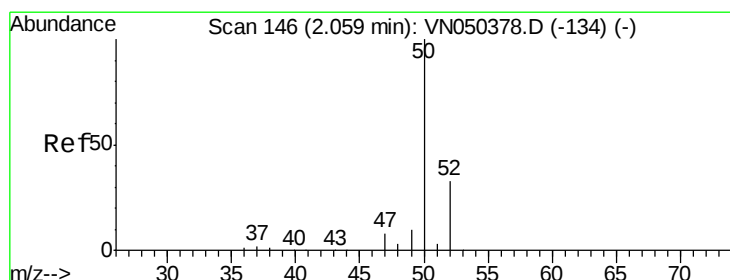
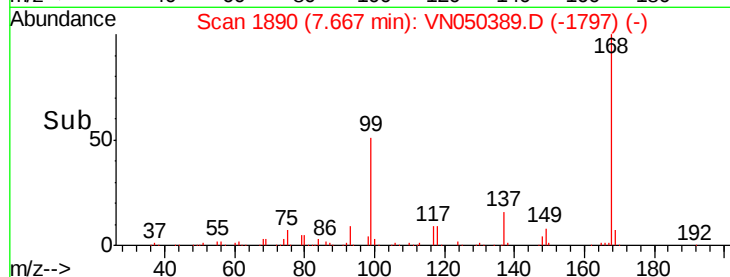
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050389.D

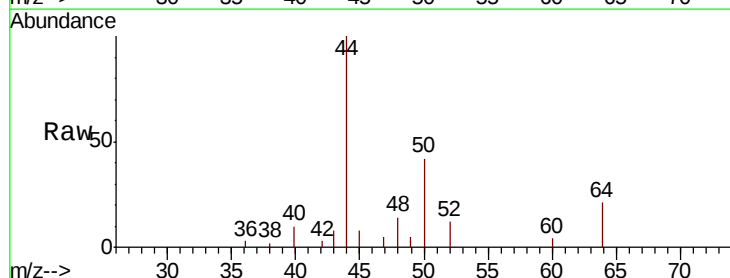
Acq: 6 Aug 2018 17:30

Tgt Ion: 50 Resp: 4498

Ion Ratio Lower Upper

50 100

52 28.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

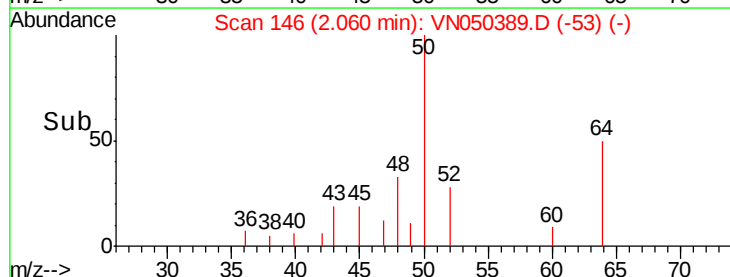
3000

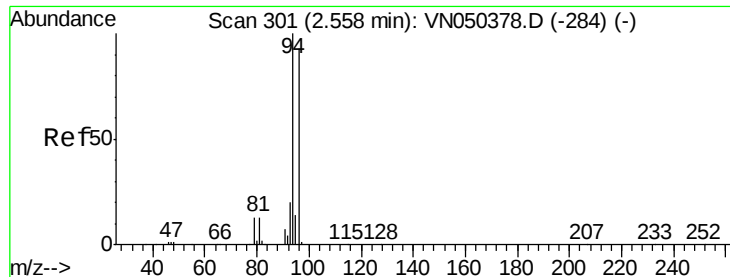
2000

1000

0

Time-->





#5

Bromomethane

Concen: 1.23 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

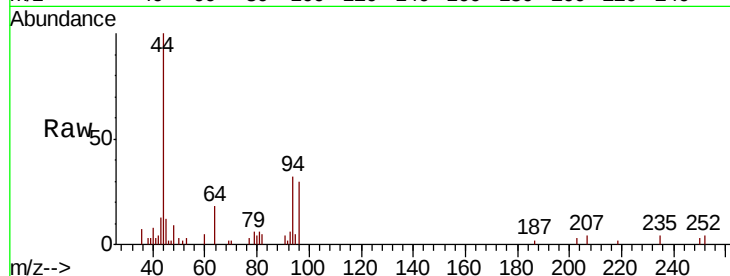
PB11760ZHE#04

Tot Ion: 94 Resp: 5279

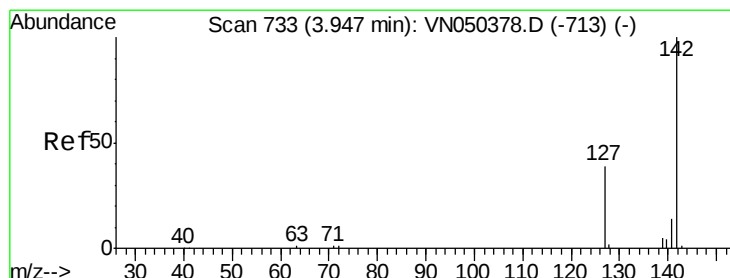
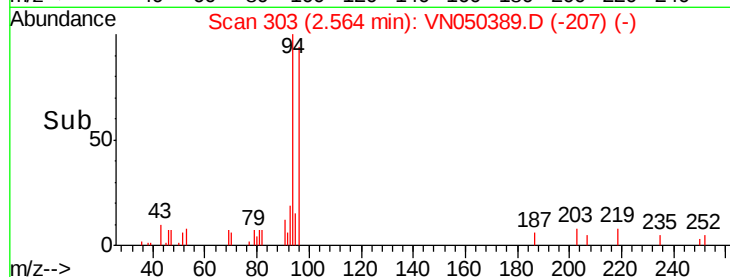
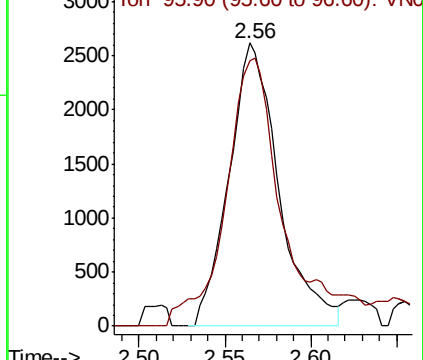
Ion Ratio Lower Upper

94 100

96 84.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050389.D (-207) (-)



#10

Methyl Iodide

Concen: 0.66 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

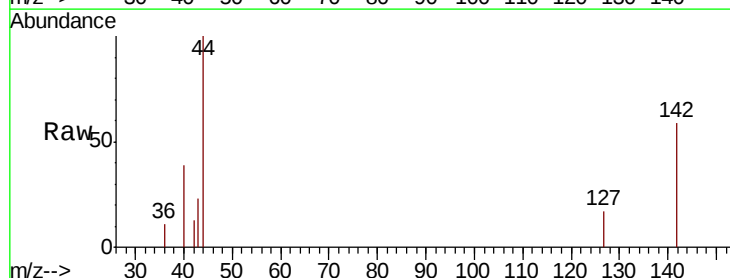
Tgt Ion: 142 Resp: 2355

Ion Ratio Lower Upper

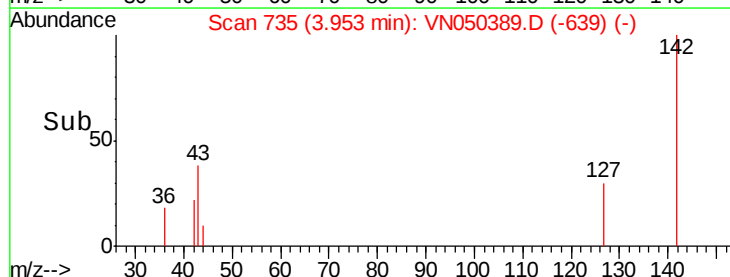
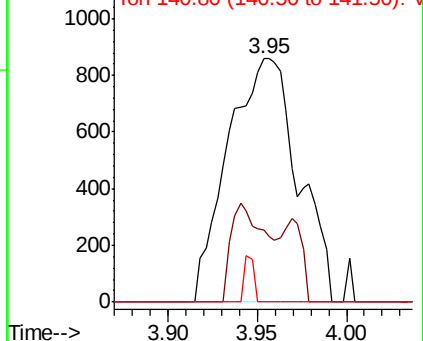
142 100

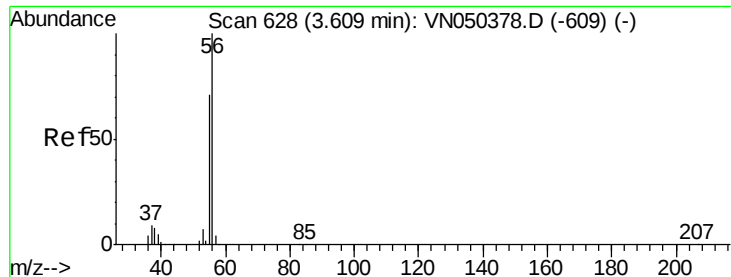
127 19.8 33.4 50.2#

141 2.6 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050389.D (-639) (-)





#13

Acrolein

Concen: 15.09 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

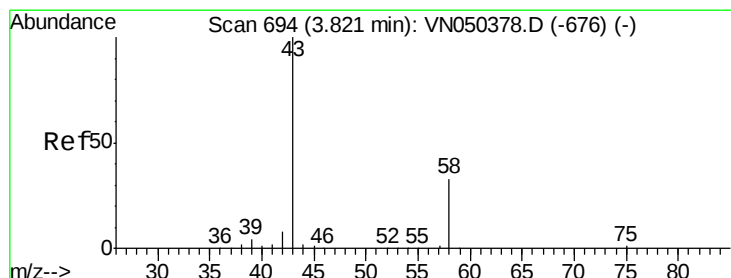
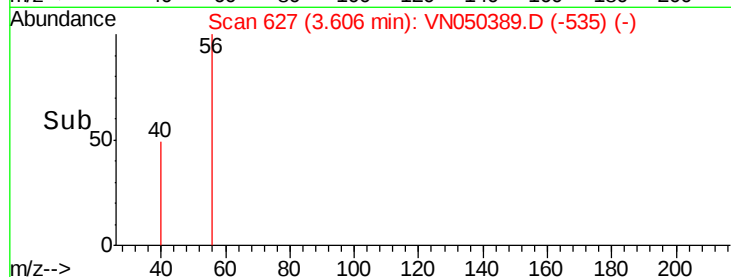
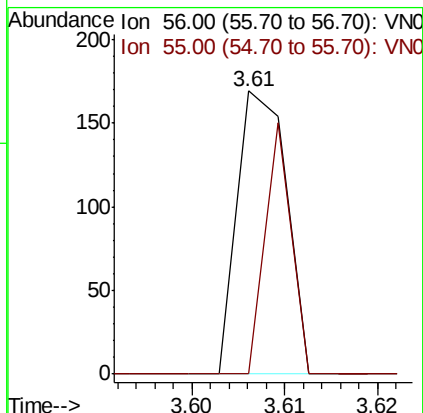
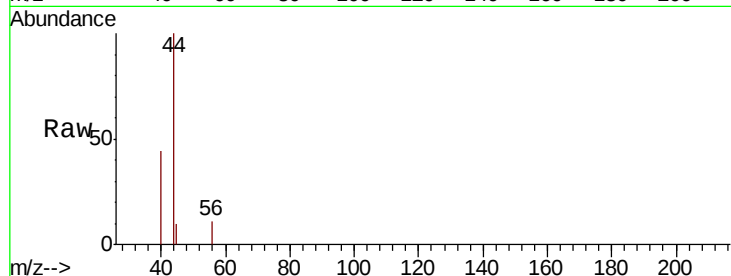
PB11760ZHE#04

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 46.8 55.8 83.6#



#16

Acetone

Concen: 7.30 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050389.D

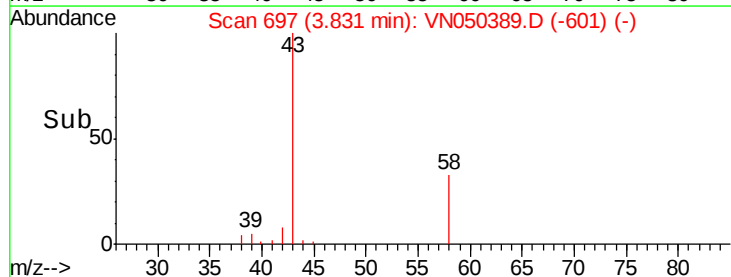
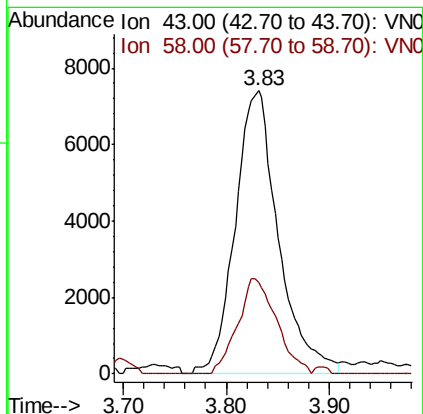
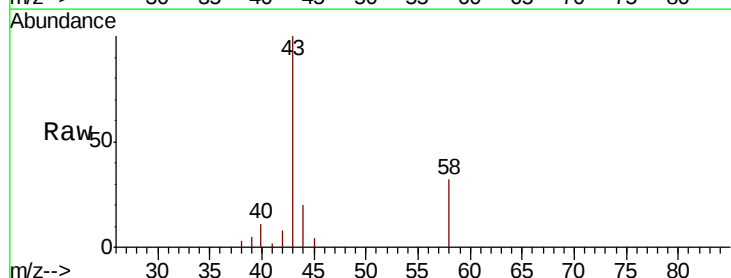
Acq: 6 Aug 2018 17:30

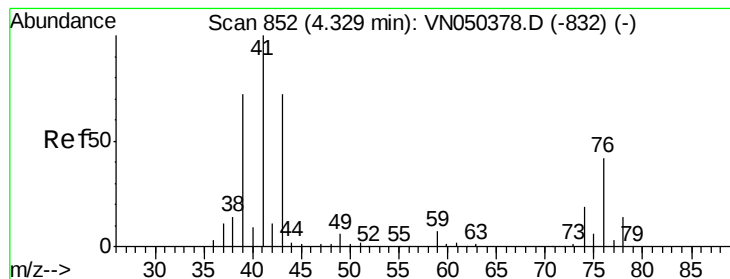
Tgt Ion: 43 Resp: 21630

Ion Ratio Lower Upper

43 100

58 32.3 25.8 38.8





#18

Methvl Acetate

Concen: 1.72 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

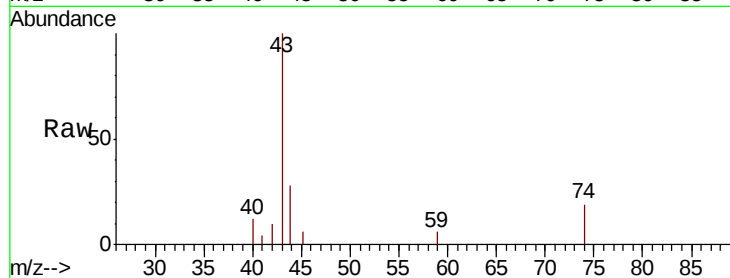
PB11760ZHE#04

Tot Ion: 43 Resp: 13976

Ion Ratio Lower Upper

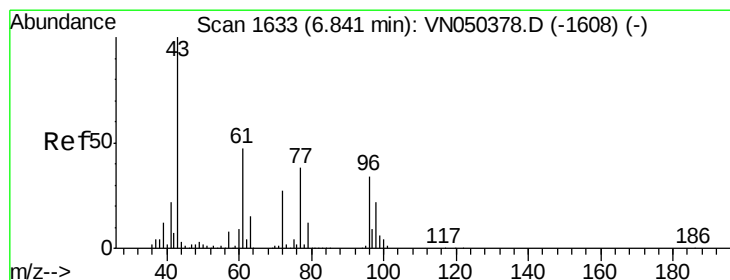
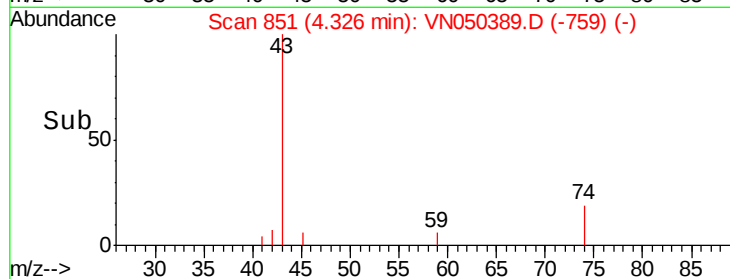
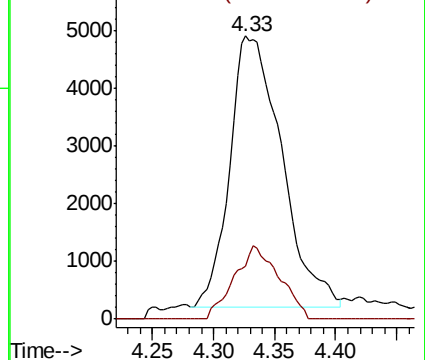
43 100

74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#25

2-Butanone

Concen: 0.98 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050389.D

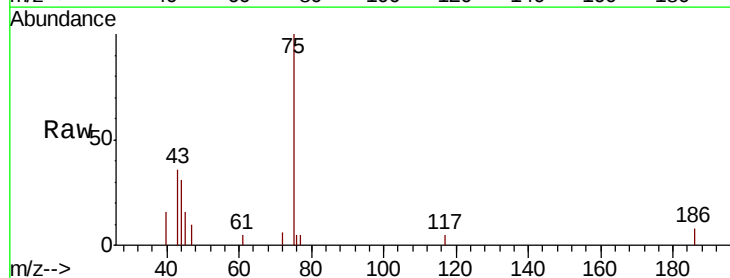
Acq: 6 Aug 2018 17:30

Tgt Ion: 43 Resp: 4584

Ion Ratio Lower Upper

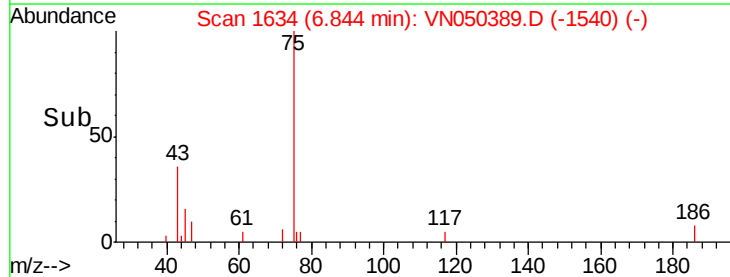
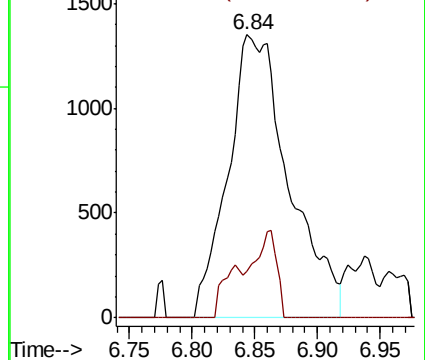
43 100

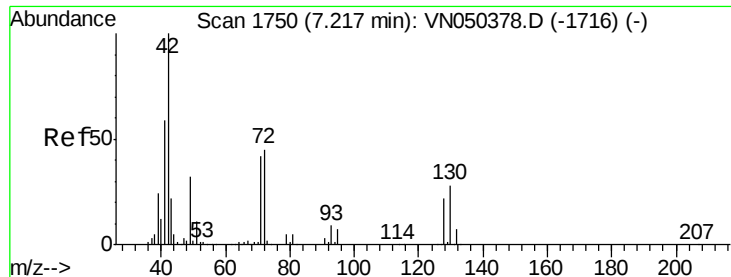
72 16.3 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

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PB11760ZHE#04

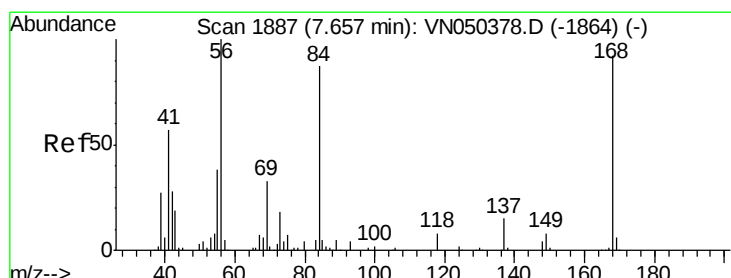
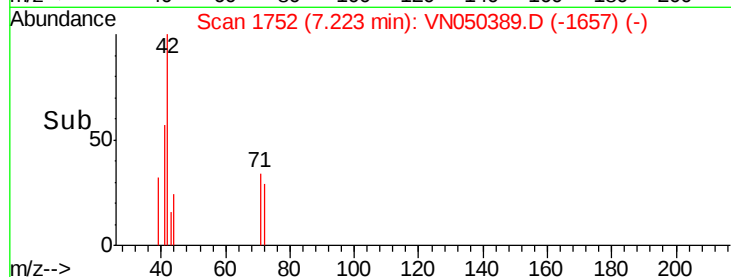
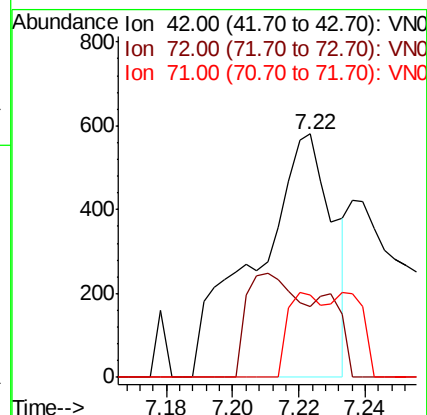
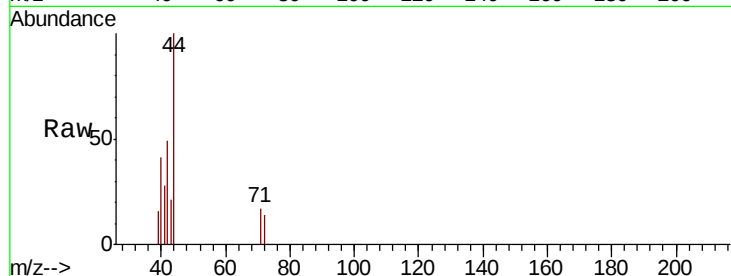
Tot Ion: 42 Resp: 941

Ion Ratio Lower Upper

42 100

72 30.2 35.9 53.9#

71 15.1 33.7 50.5#



#31

Cyclohexane

Concen: 0.34 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

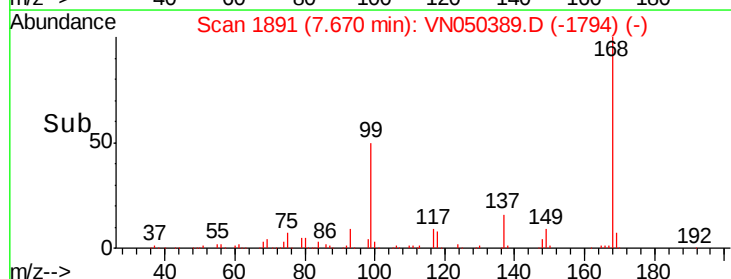
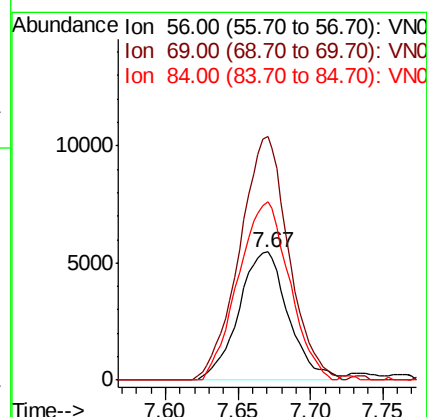
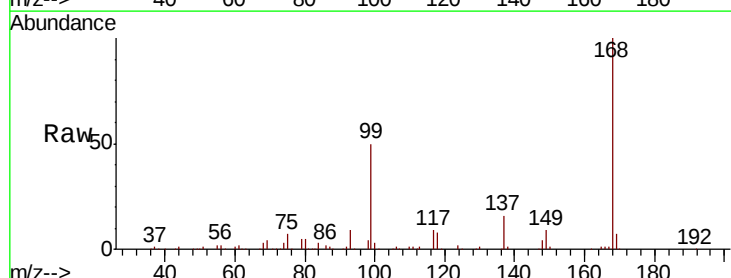
Tgt Ion: 56 Resp: 13065

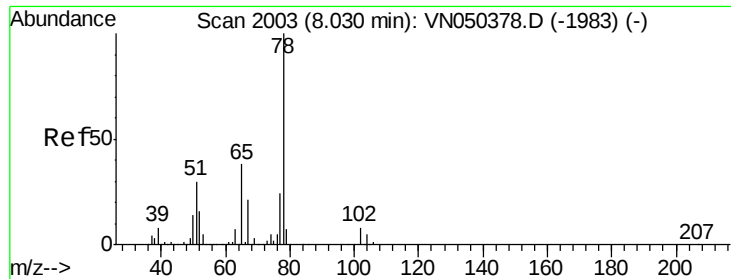
Ion Ratio Lower Upper

56 100

69 189.8 26.2 39.4#

84 139.4 67.4 101.0#

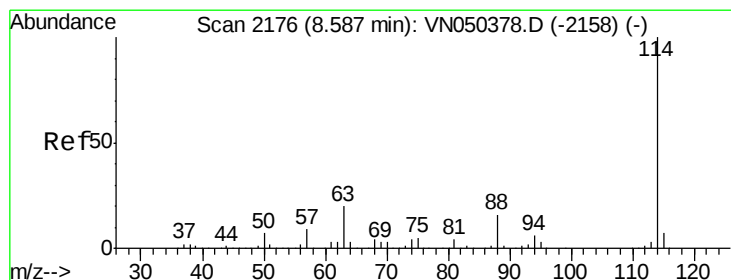
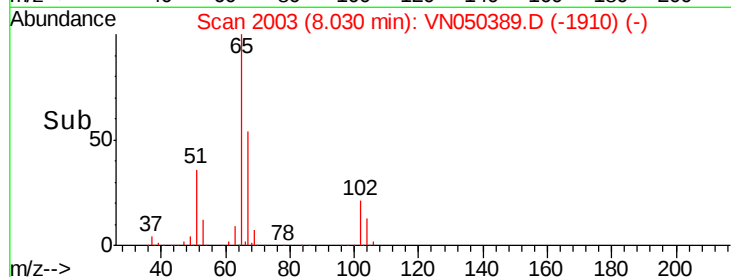
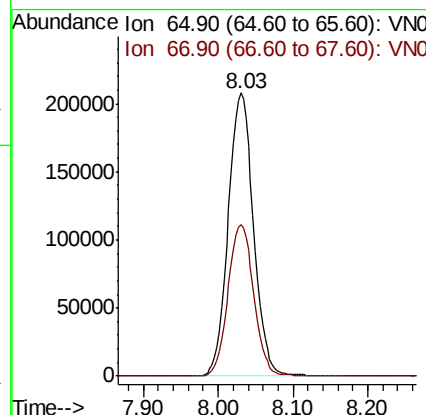
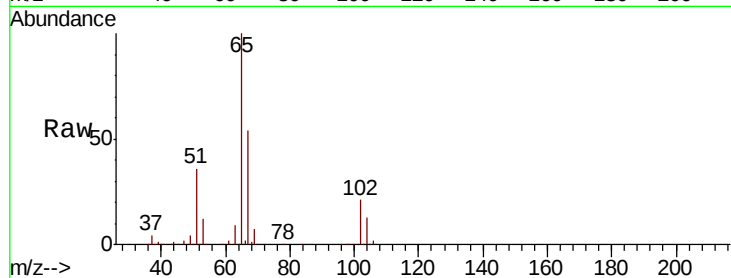




#33
 1,2-Dichloroethane-d4
 Concen: 51.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

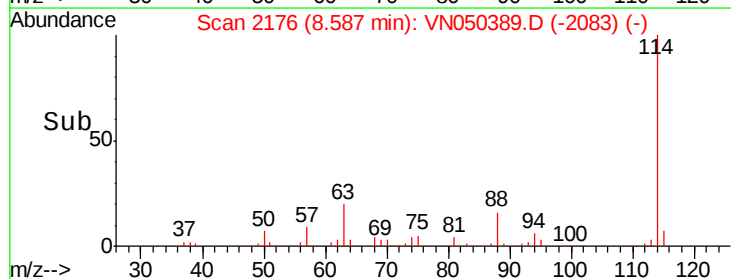
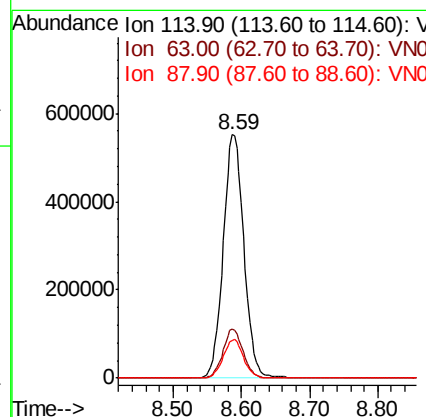
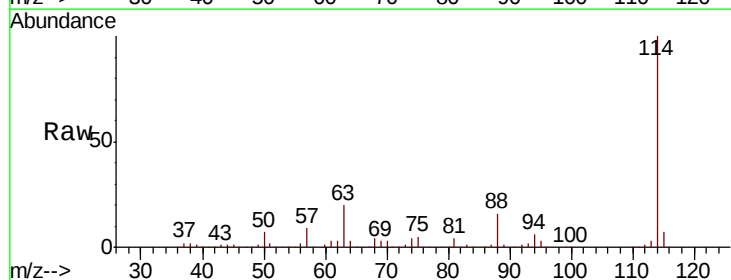
Instrument :
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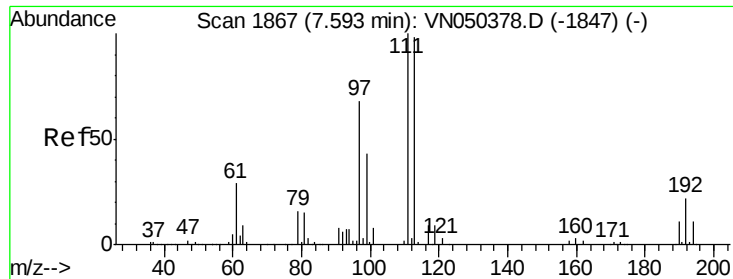
Tot Ion: 65 Resp: 487550
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

Tgt Ion: 114 Resp: 1162807
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.5 0.0 31.2

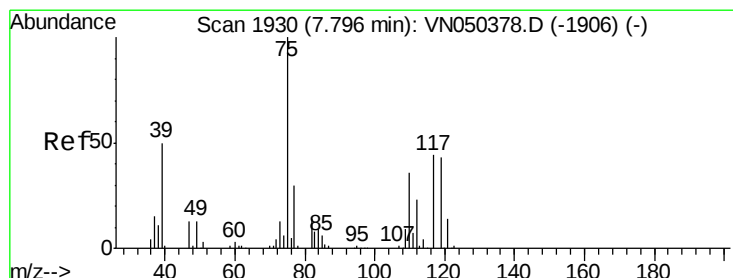
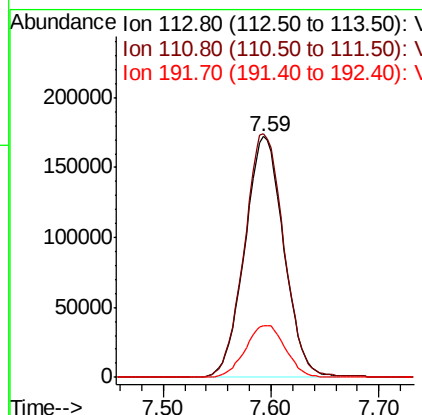
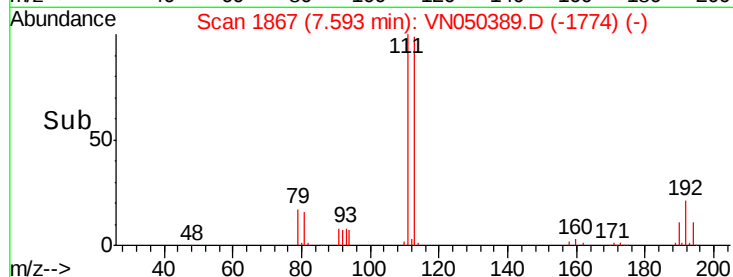
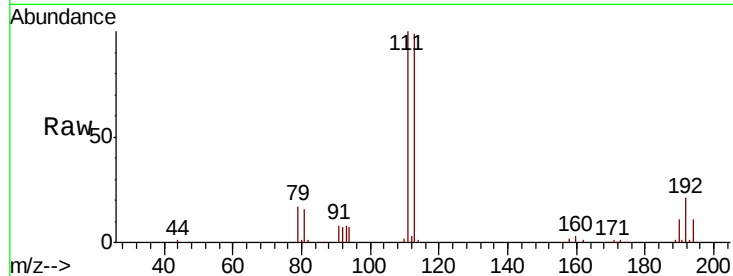




#35
 Dibromofluoromethane
 Concen: 46.34 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

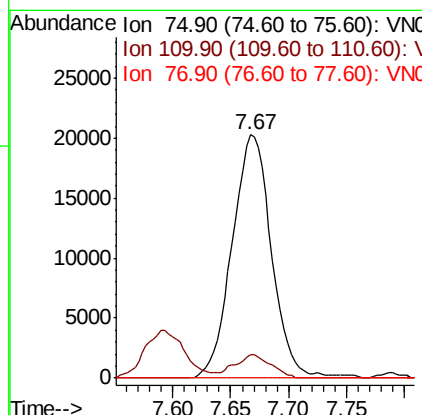
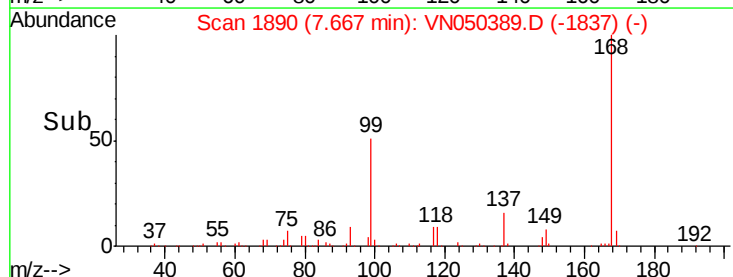
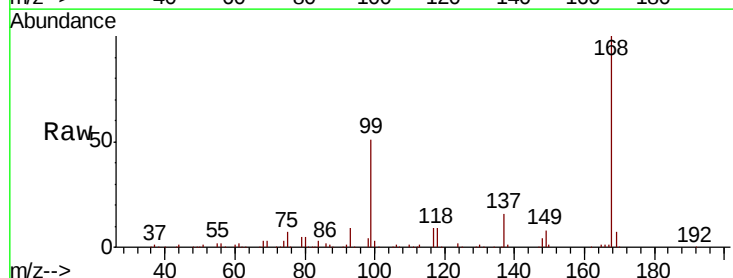
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#04

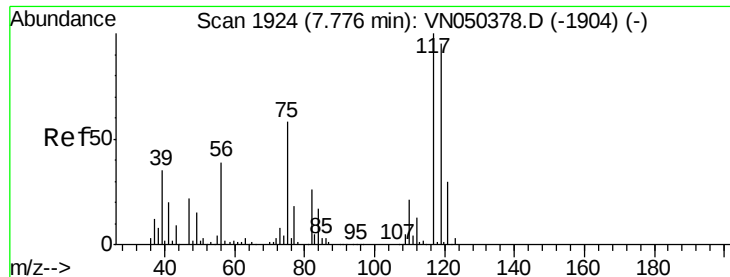
Tot Ion:113 Resp: 432332
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

Tgt Ion: 75 Resp: 47815
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.67 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#04

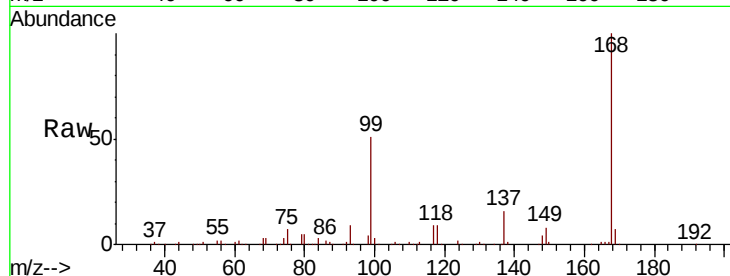
Tot Ion:117 Resp: 62299

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

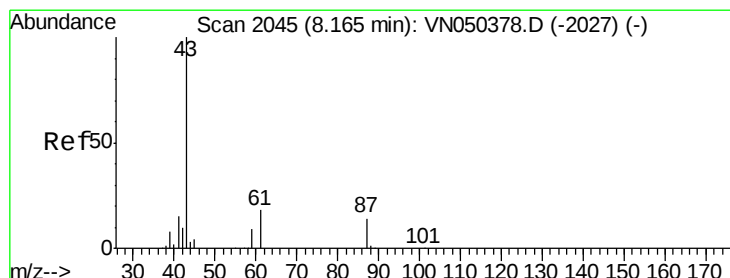
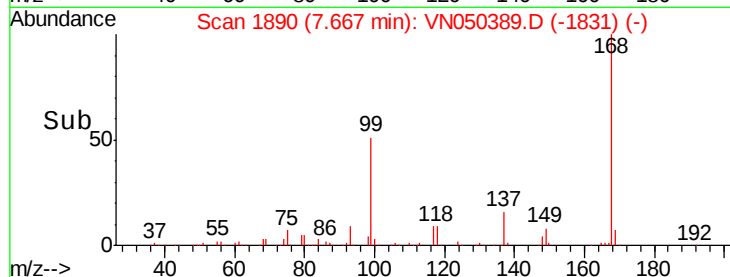
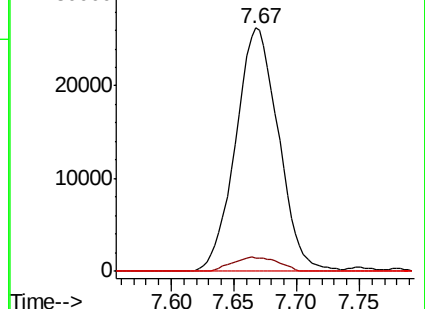
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 28.09 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

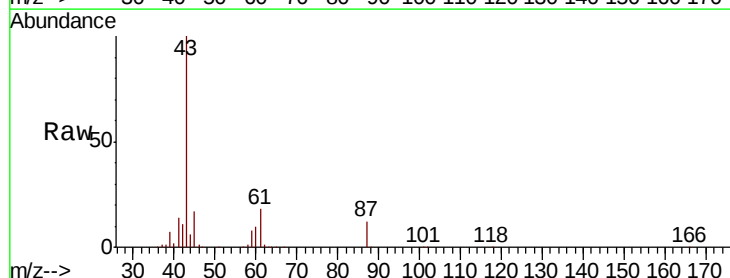
Tgt Ion: 43 Resp: 446101

Ion Ratio Lower Upper

43 100

61 15.6 15.8 23.6#

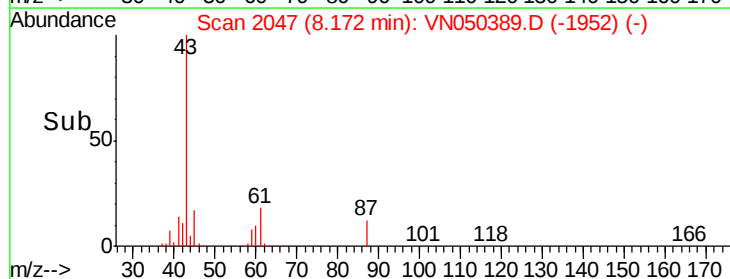
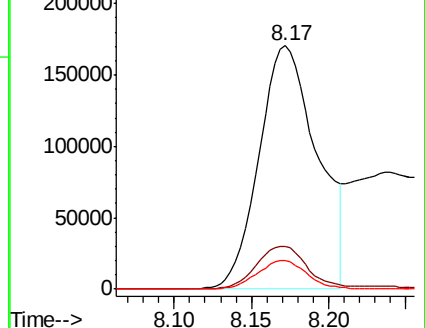
87 10.0 10.3 15.5#

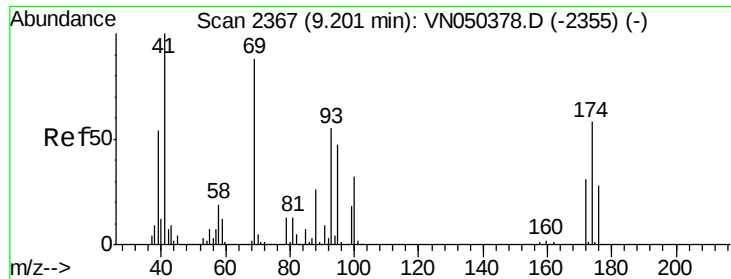


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

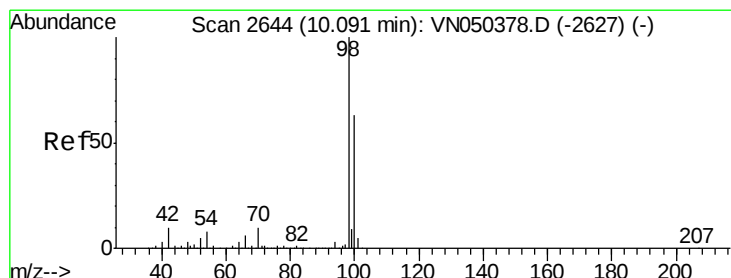
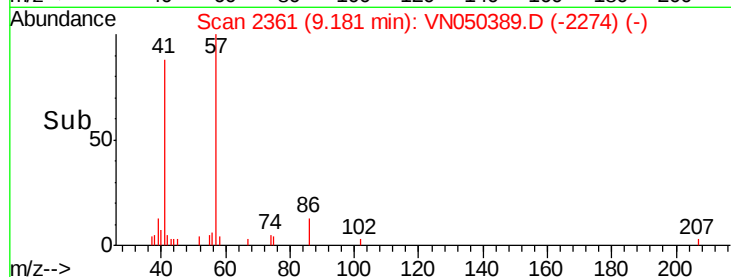
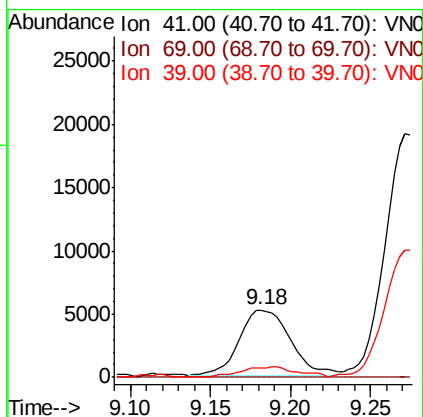
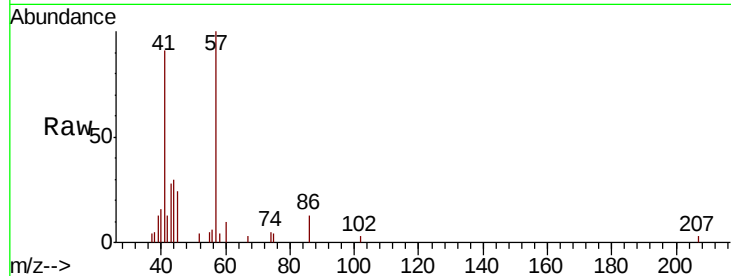




#48
Methvl methacrylate
Concen: 1.40 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050389.D
Acq: 6 Aug 2018 17:30

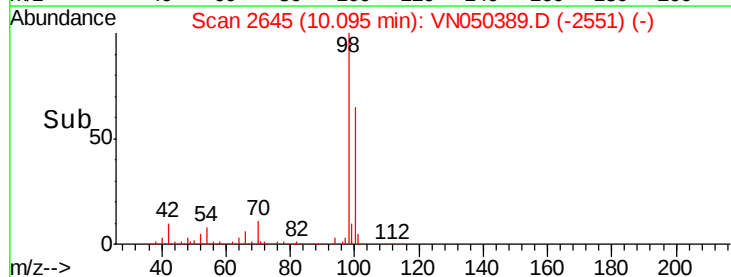
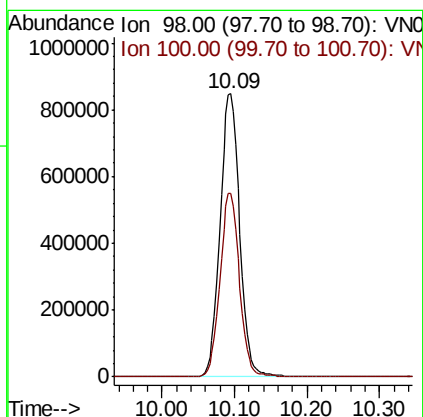
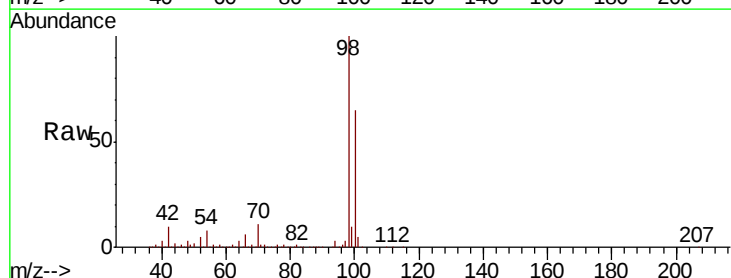
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#04

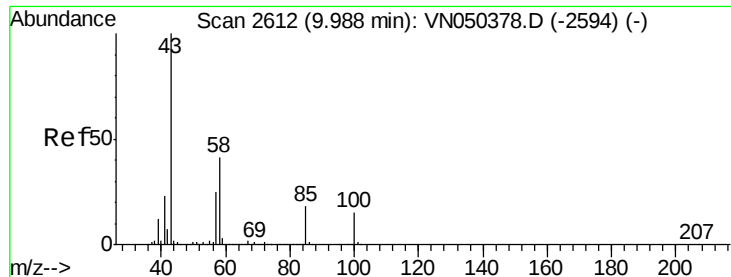
Tot Ion: 41 Resp: 11183
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 18.2 43.9 65.9#



#50
Toluene-d8
Concen: 45.28 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050389.D
Acq: 6 Aug 2018 17:30

Tgt Ion: 98 Resp: 1588298
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

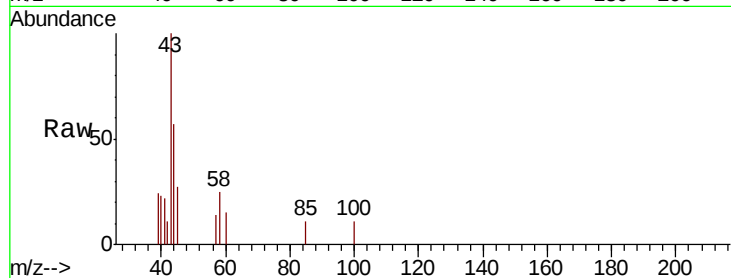
PB11760ZHE#04

Tot Ion: 43 Resp: 3126

Ion Ratio Lower Upper

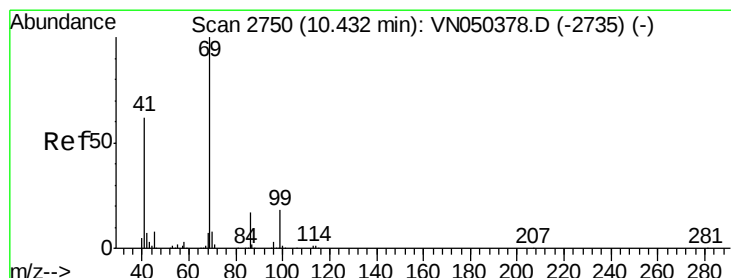
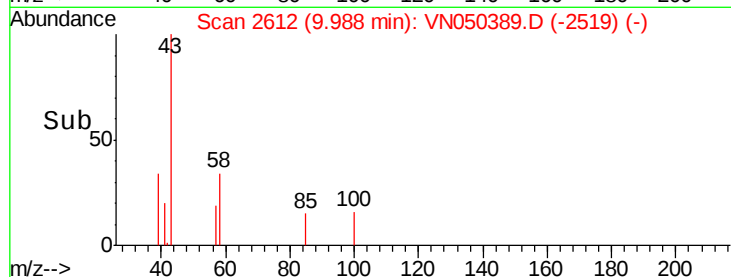
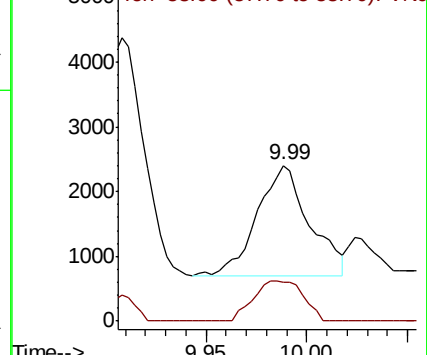
43 100

58 34.0 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 1.73 ug/l

RT: 10.28 min Scan# 2702

Delta R.T. -0.15 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

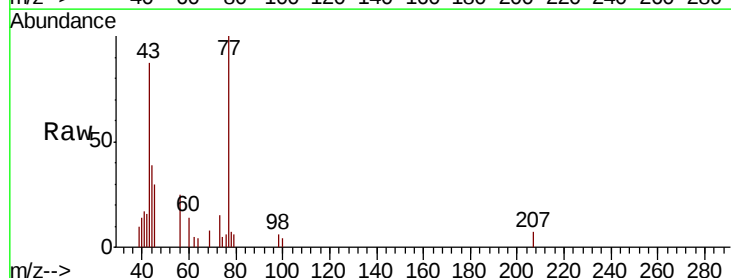
Tgt Ion: 69 Resp: 275

Ion Ratio Lower Upper

69 100

41 511.6 51.0 76.4#

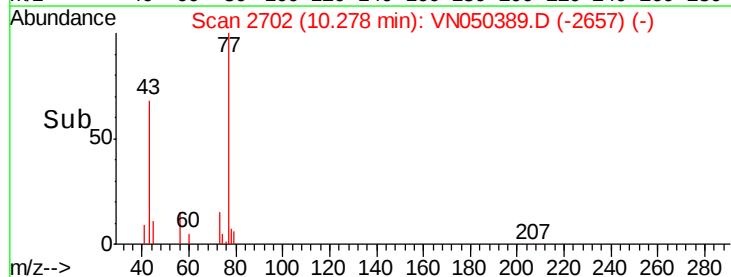
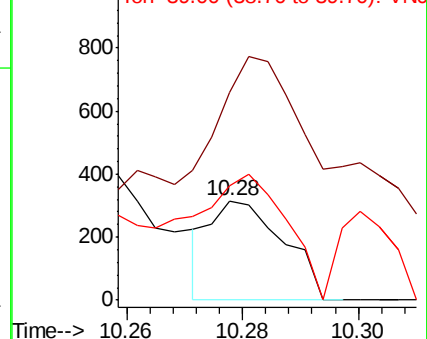
39 146.2 26.6 40.0#

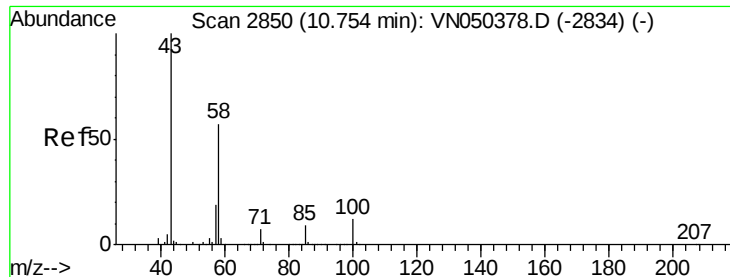


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 3.36 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

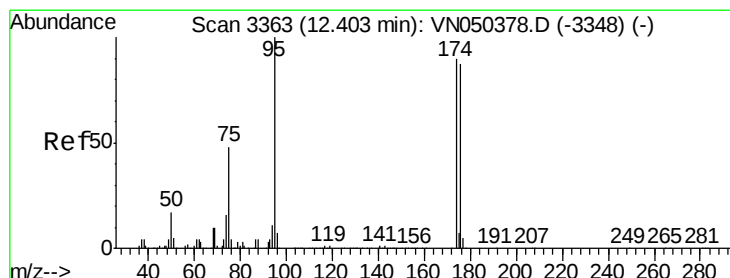
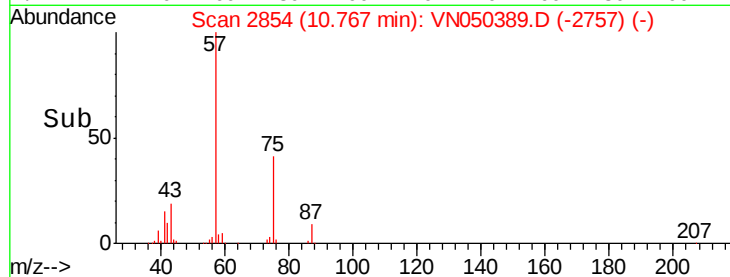
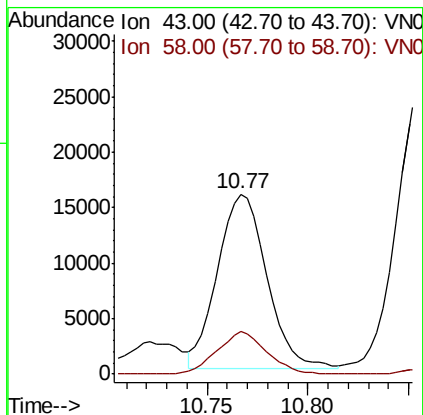
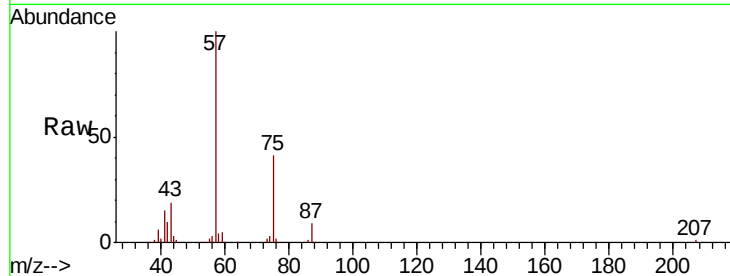
PB11760ZHE#04

Tot Ion: 43 Resp: 26785

Ion Ratio Lower Upper

43 100

58 24.4 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

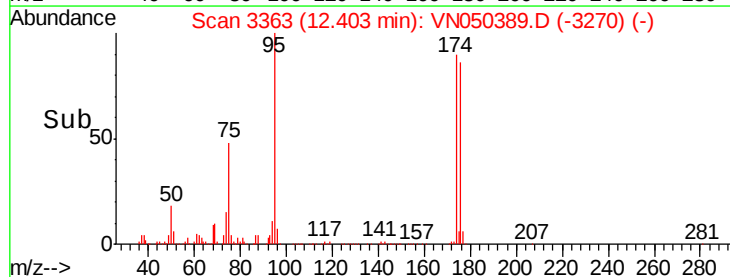
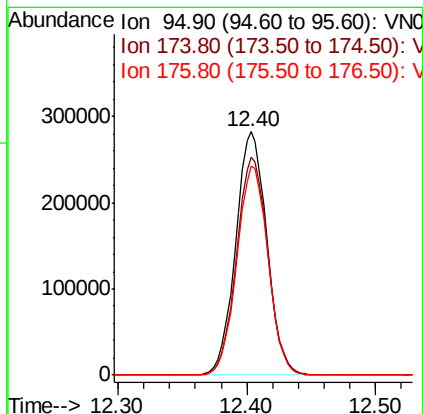
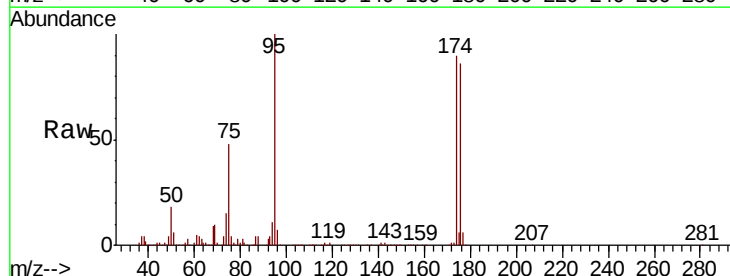
Tgt Ion: 95 Resp: 472008

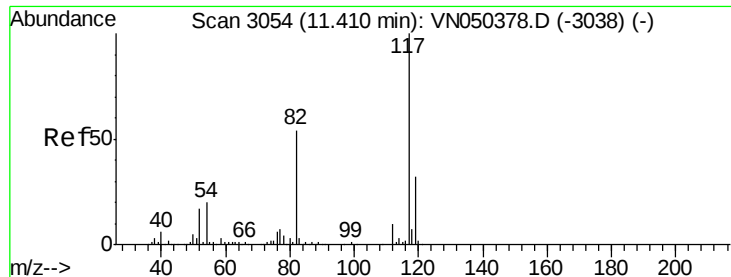
Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.2

176 86.5 0.0 173.4

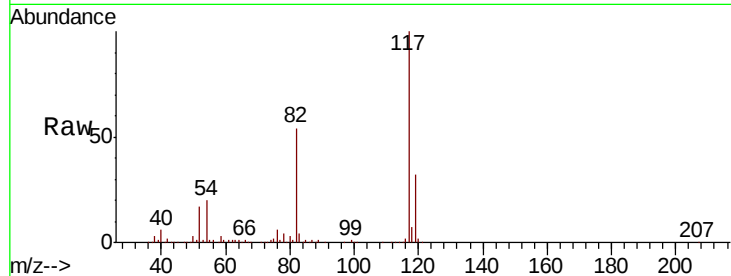




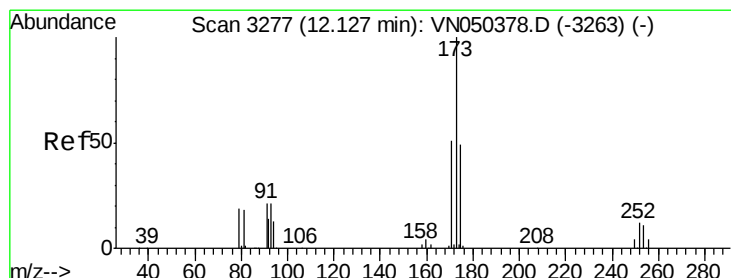
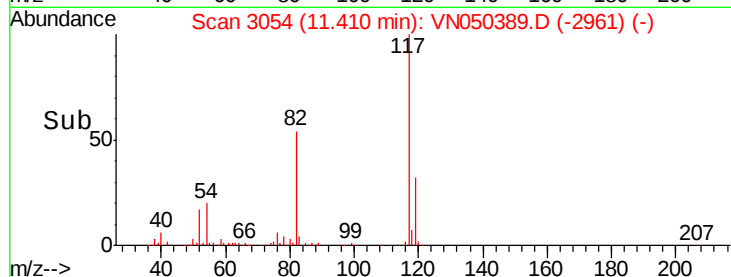
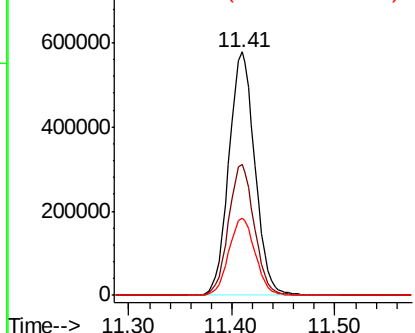
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050389.D
Acq: 6 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#04

Tot Ion:117 Resp: 1015384
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 31.8 26.1 39.1

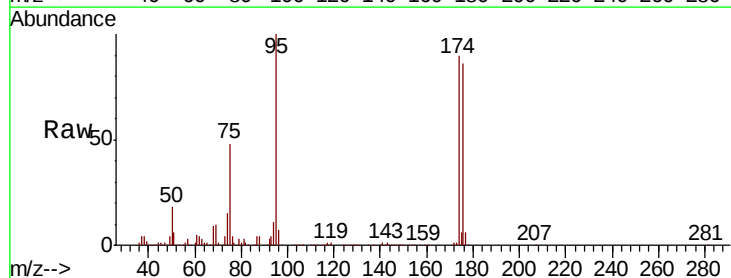


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

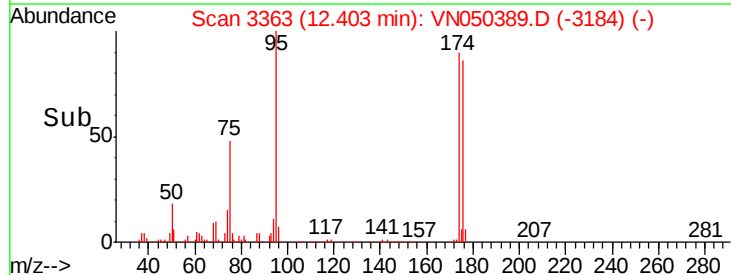
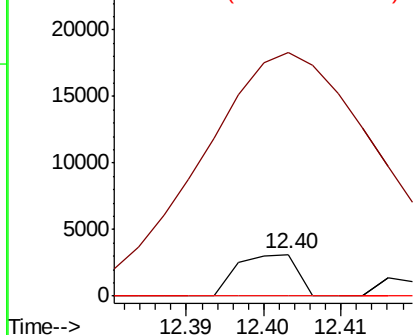


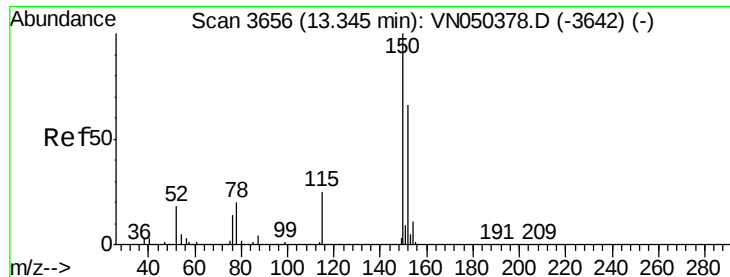
#71
Bromoform
Concen: 0.25 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050389.D
Acq: 6 Aug 2018 17:30

Tgt Ion:173 Resp: 1670
Ion Ratio Lower Upper
173 100
175 1505.8 24.1 72.2#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050389.D

Acq: 6 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#04

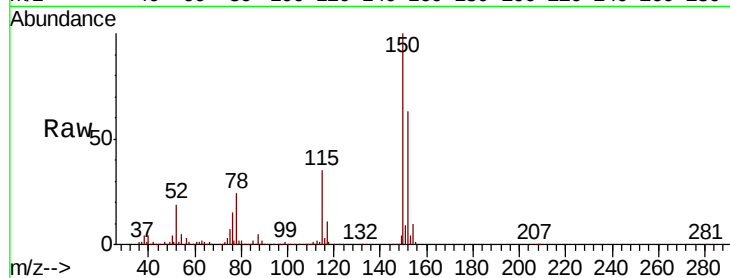
Tot Ion:152 Resp: 406123

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

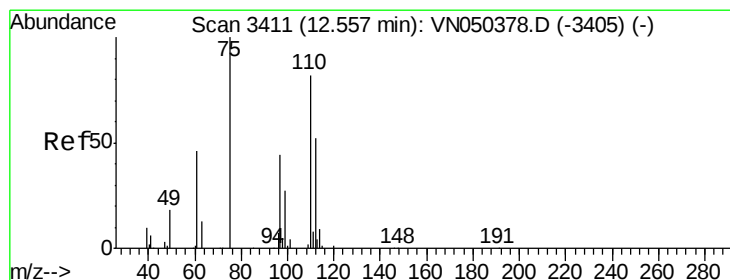
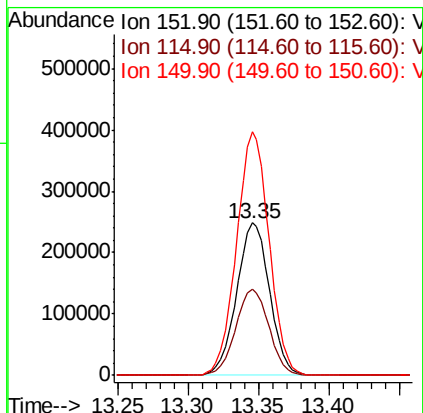
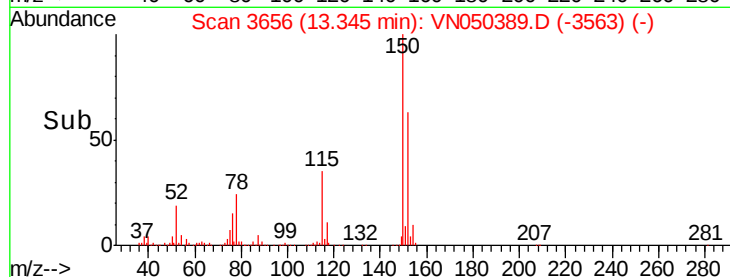
150 157.7 0.0 348.6



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: 30.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050389.D

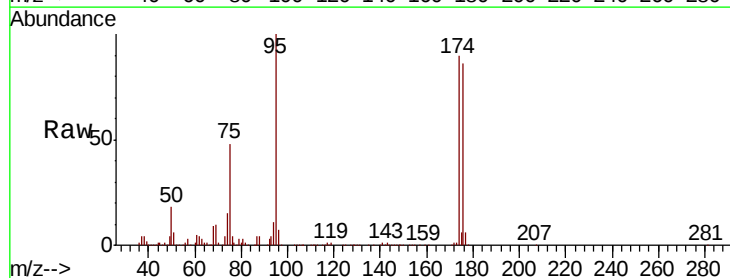
Acq: 6 Aug 2018 17:30

Tgt Ion: 75 Resp: 227390

Ion Ratio Lower Upper

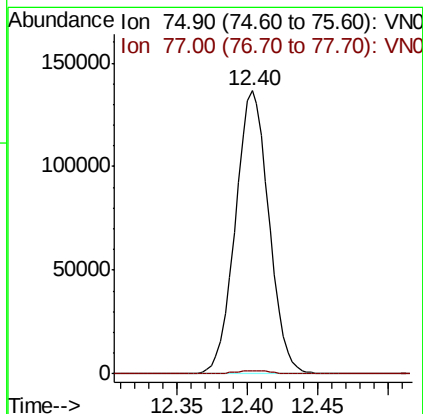
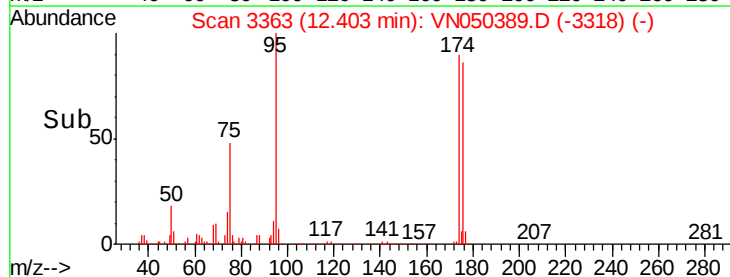
75 100

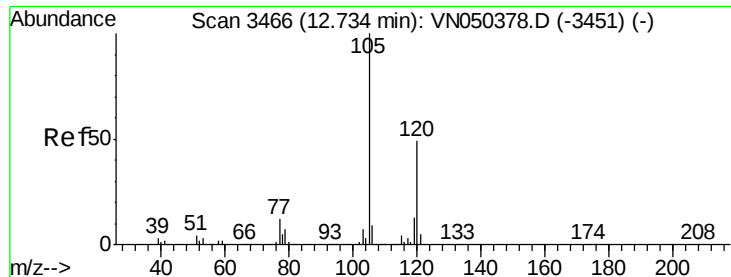
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

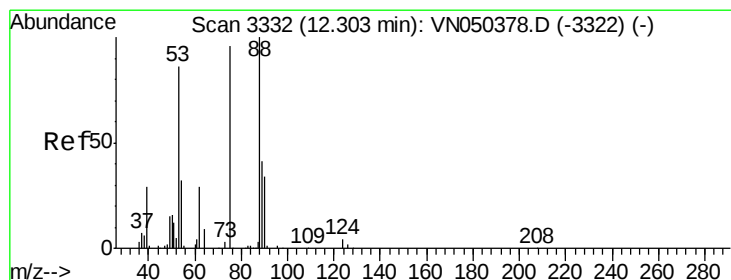
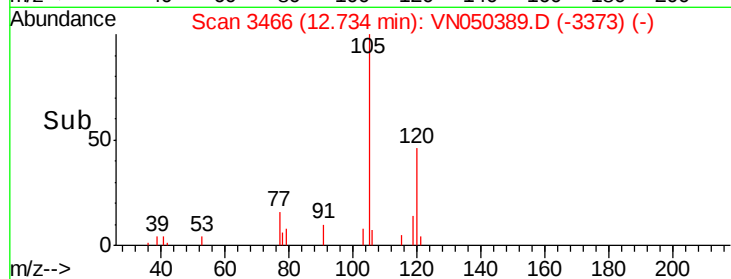
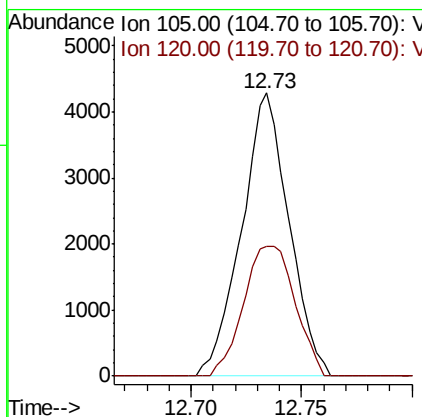
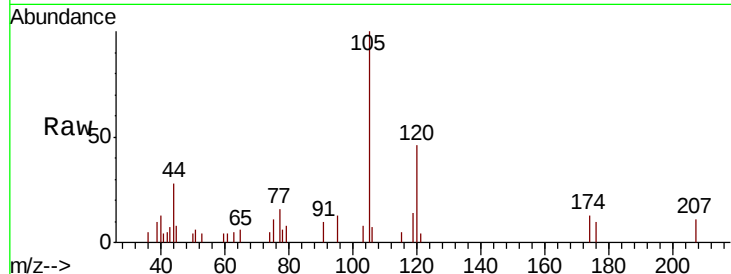




#80
 1,3,5-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

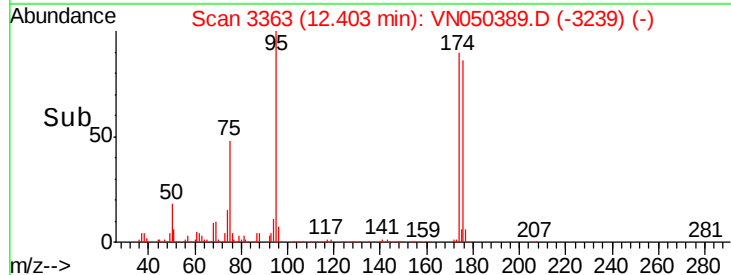
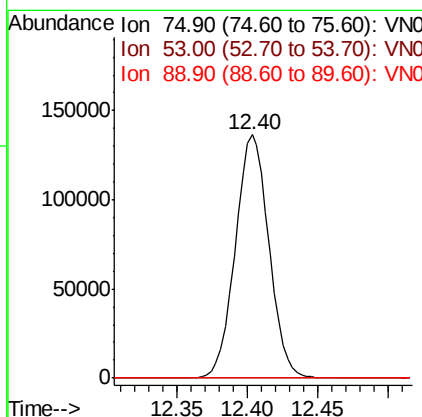
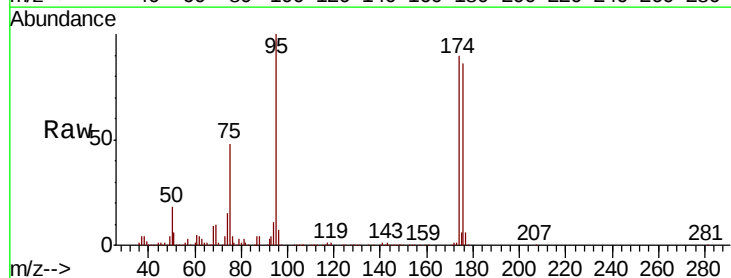
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#04

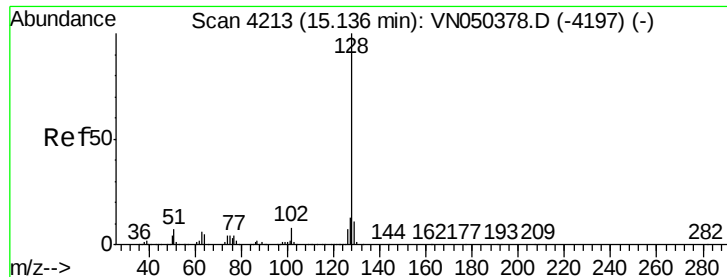
Tot Ion:105 Resp: 6378
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050389.D
 Acq: 6 Aug 2018 17:30

Tgt Ion: 75 Resp: 227390
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.5 110.3#
 89 0.0 36.0 54.0#

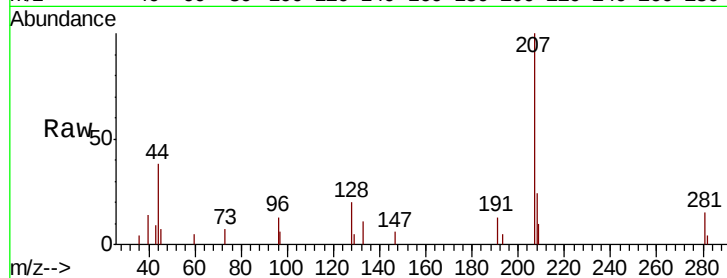




#95
Naphthalene
Concen: 3.67 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050389.D
Acq: 6 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#04

Tot Ion:128 Resp: 1159
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 2.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

