

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050573.D
 Acq On : 13 Aug 2018 17:11
 Operator : MD\SY
 Sample : PB111961ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#06

Quant Time: Aug 14 01:01:28 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	621100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	901385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	425955	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.59	113	397577	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.09	98	1423169	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	12.40	95	404339	38.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.74%	

Target Compounds

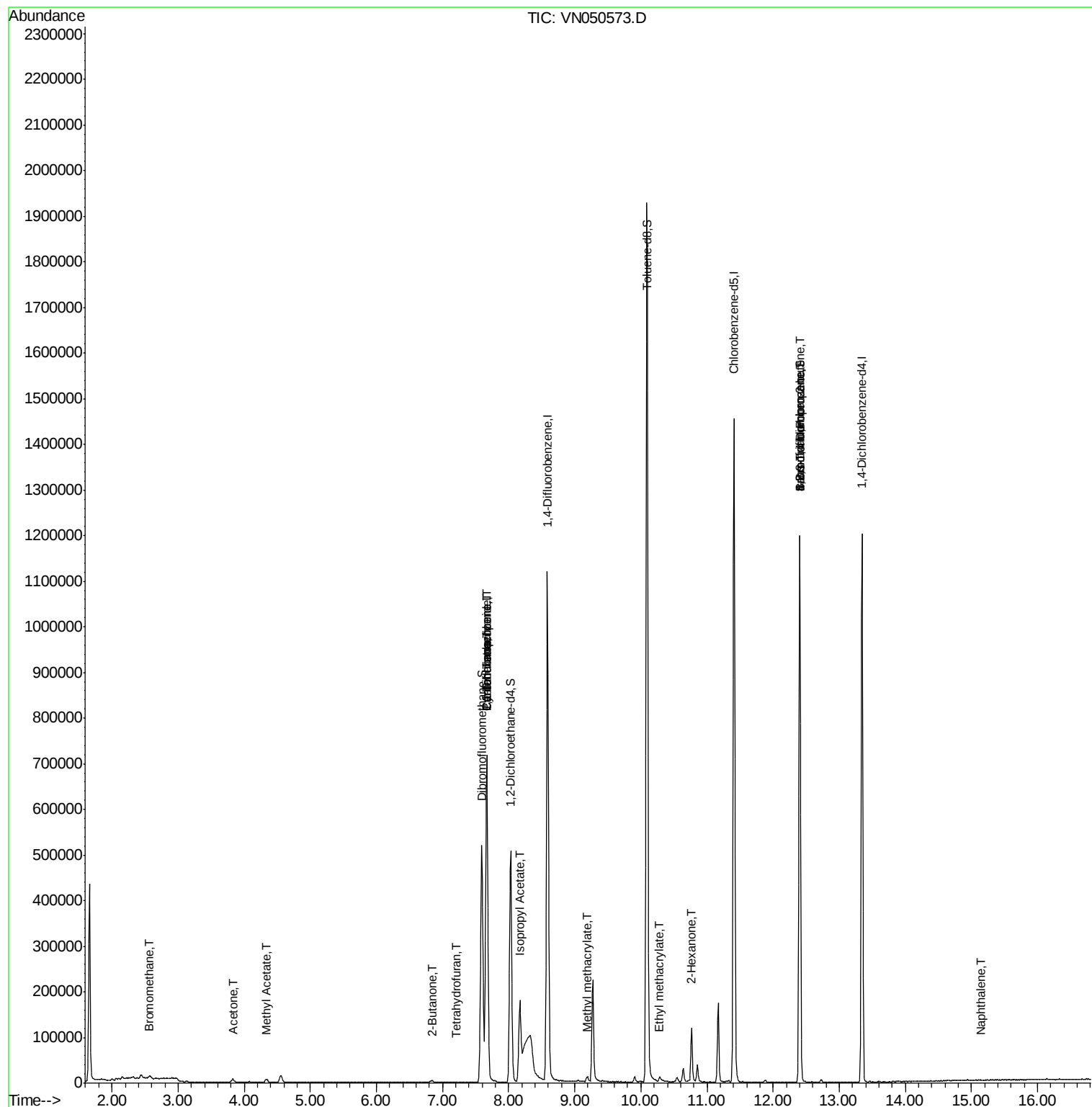
						Qvalue
3) Chloromethane	2.06	50	2709	Below Cal	#	84
5) Bromomethane	2.57	94	4096	1.11	ug/l	92
16) Acetone	3.83	43	12822	4.83	ug/l	99
18) Methyl Acetate	4.34	43	13203	1.87	ug/l	96
20) Methylene Chloride	4.55	84	6689	Below Cal		99
25) 2-Butanone	6.85	43	1719	0.42	ug/l #	48
29) Tetrahydrofuran	7.21	42	474	0.22	ug/l #	43
31) Cyclohexane	7.67	56	11283	0.32	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43612	3.87	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54990	4.68	ug/l #	17
43) Isopropyl Acetate	8.17	43	225589	16.11	ug/l	98
48) Methyl methacrylate	9.18	41	6644	0.95	ug/l #	22
56) Ethyl methacrylate	10.27	69	130	1.72	ug/l #	1
59) 2-Hexanone	10.76	43	16481	2.34	ug/l #	61
71) Bromoform	12.40	173	3569	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	194831	31.63	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	194831	111.13	ug/l #	13
95) Naphthalene	15.14	128	179	3.63	ug/l #	69

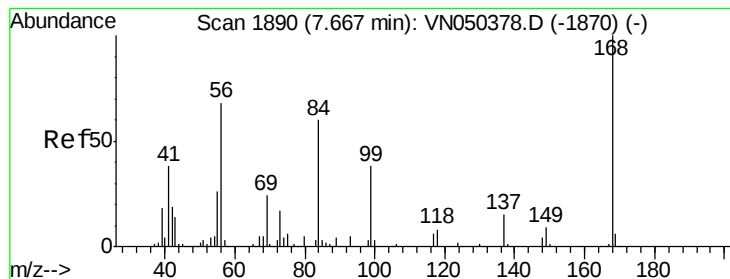
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

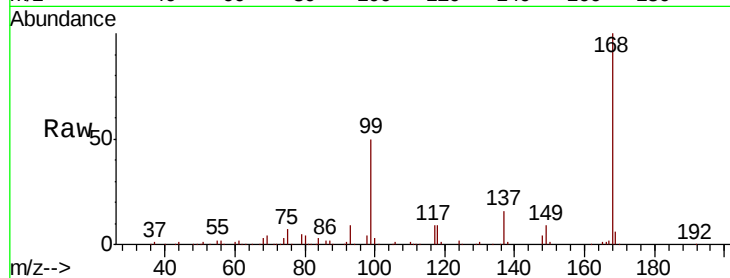
PB111961ZHE#06

Tot Ion:168 Resp: 621100

Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

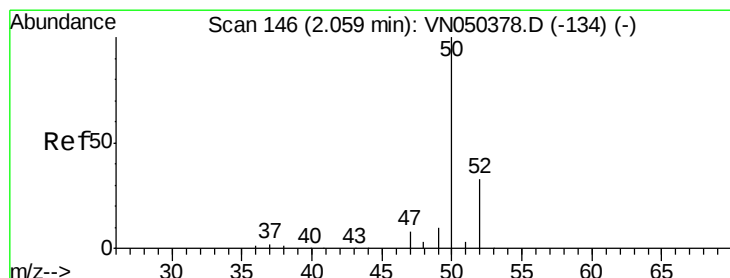
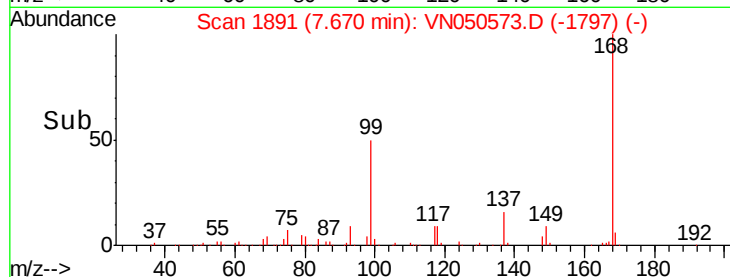
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050573.D

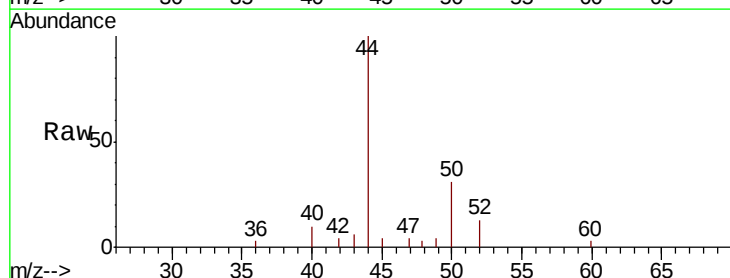
Acq: 13 Aug 2018 17:11

Tgt Ion: 50 Resp: 2709

Ion Ratio Lower Upper

50 100

52 41.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2000

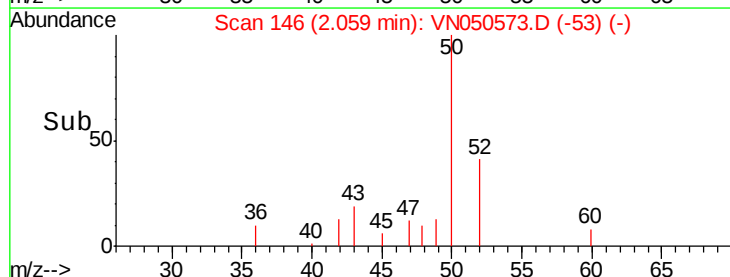
1500

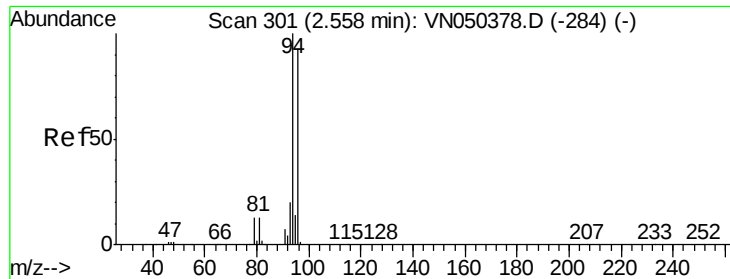
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.11 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

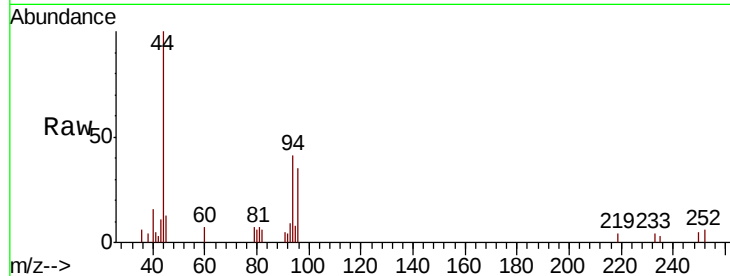
PB111961ZHE#06

Tot Ion: 94 Resp: 4096

Ion Ratio Lower Upper

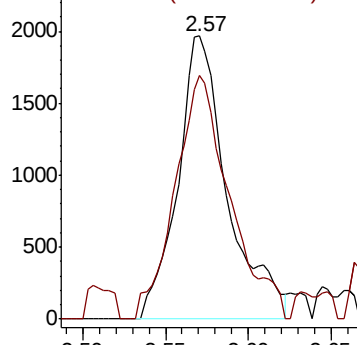
94 100

96 85.9 74.6 112.0

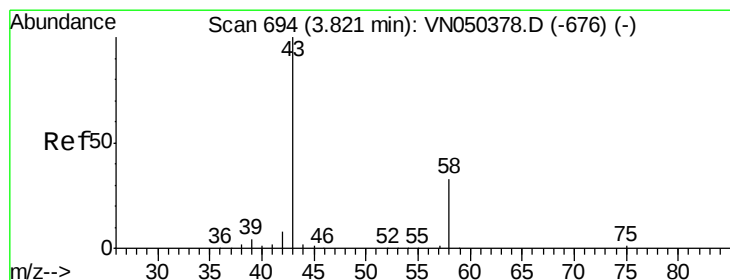
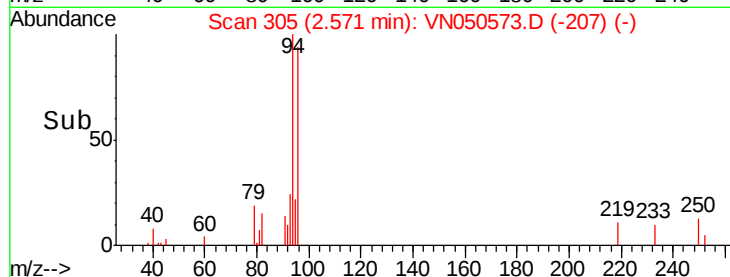


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: 4.83 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050573.D

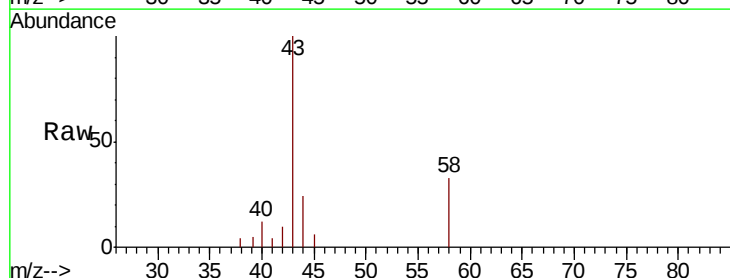
Acq: 13 Aug 2018 17:11

Tgt Ion: 43 Resp: 12822

Ion Ratio Lower Upper

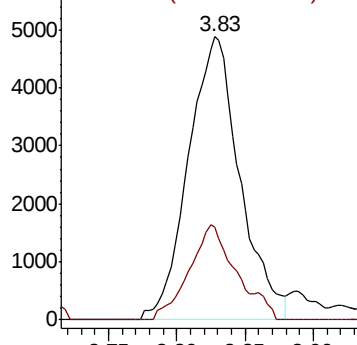
43 100

58 32.7 25.8 38.8

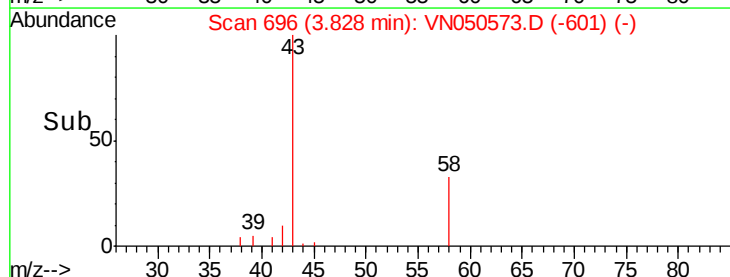


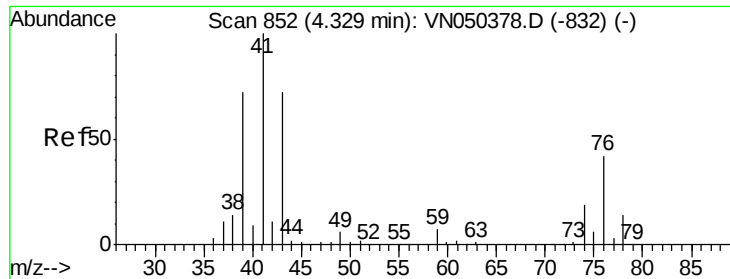
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

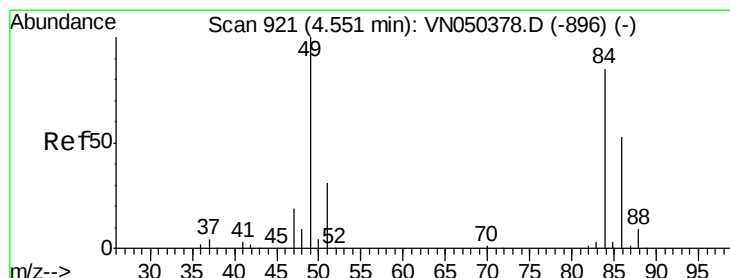
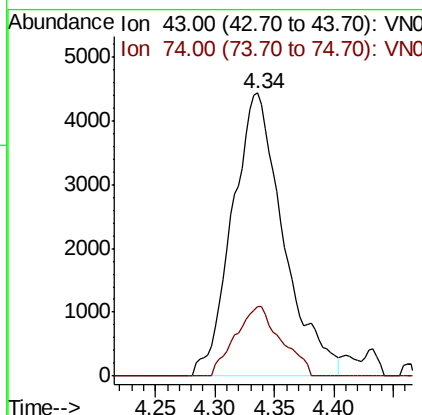
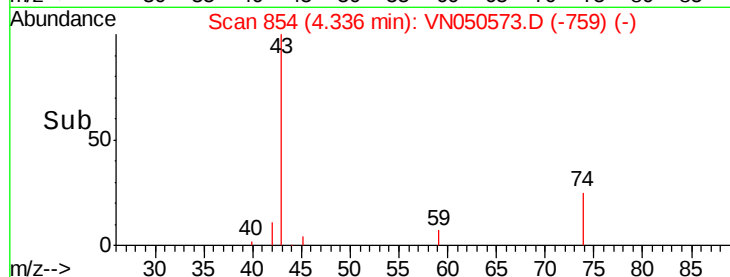
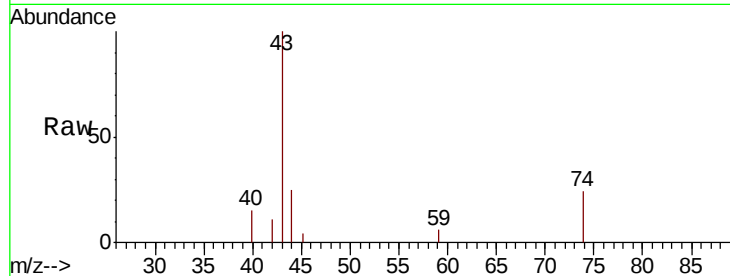




#18
Methyl Acetate
Concen: 1.87 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

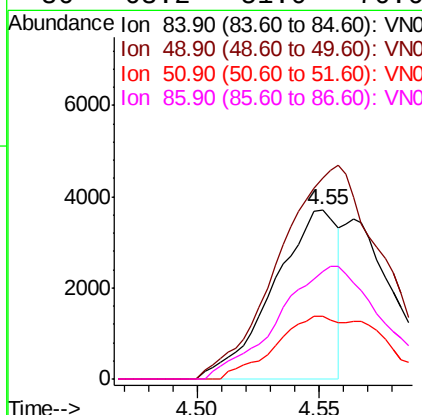
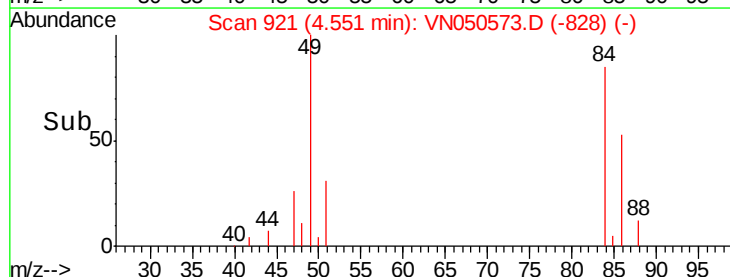
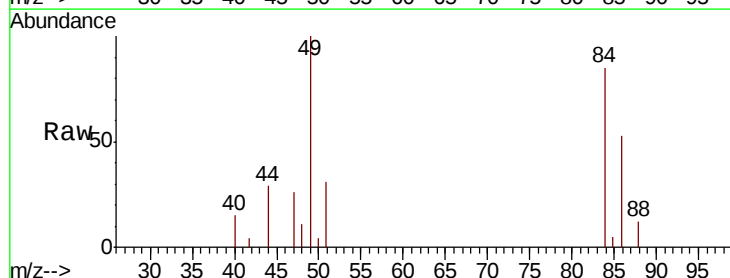
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#06

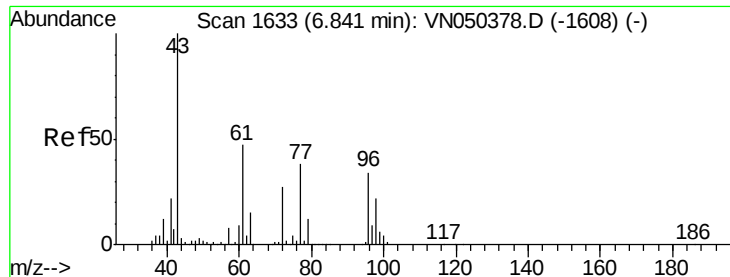
Tot Ion: 43 Resp: 13203
Ion Ratio Lower Upper
43 100
74 21.9 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

Tgt Ion: 84 Resp: 6689
Ion Ratio Lower Upper
84 100
49 118.2 94.8 142.2
51 37.2 28.3 42.5
86 63.2 51.0 76.6





#25

2-Butanone

Concen: 0.42 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

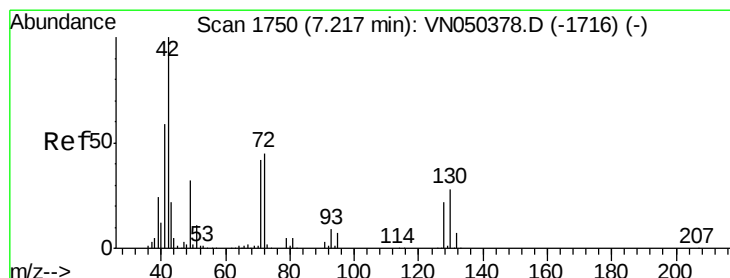
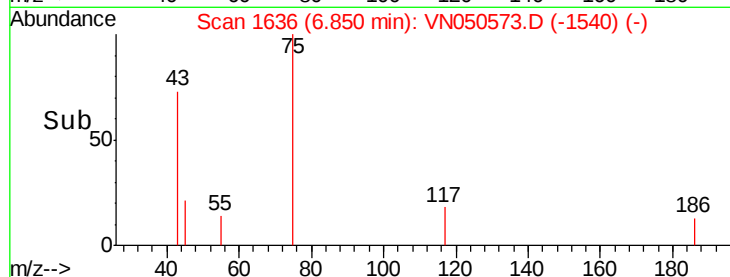
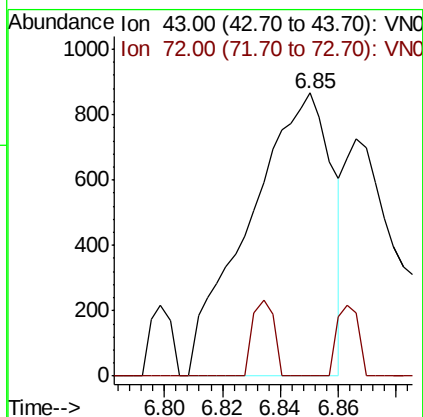
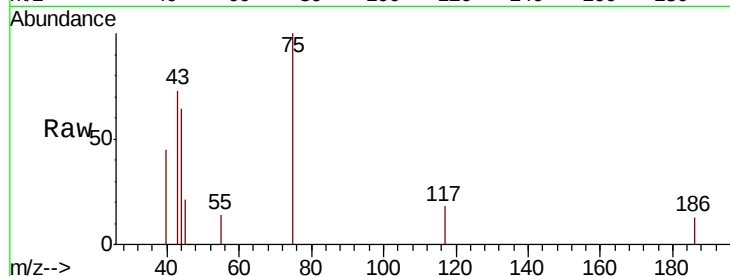
PB111961ZHE#06

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

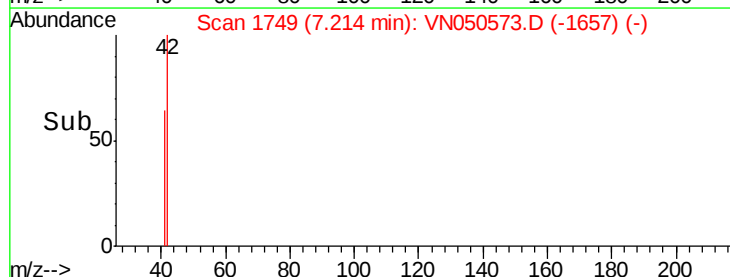
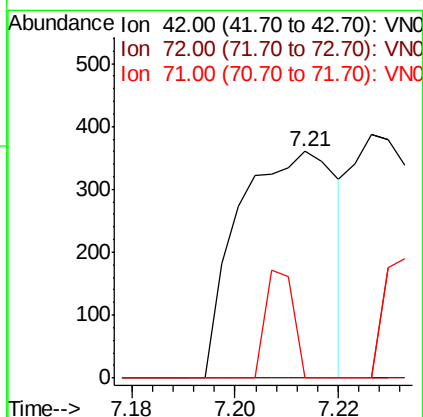
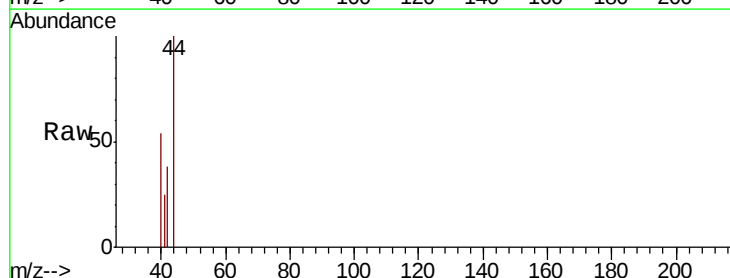
Tgt Ion: 42 Resp: 474

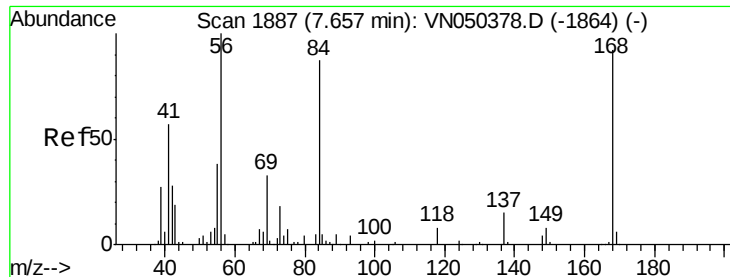
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 13.5 33.7 50.5#





#31

Cyclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#06

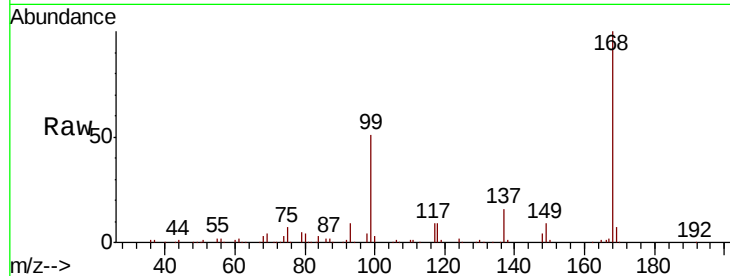
Tot Ion: 56 Resp: 11283

Ion Ratio Lower Upper

56 100

69 200.1 26.2 39.4#

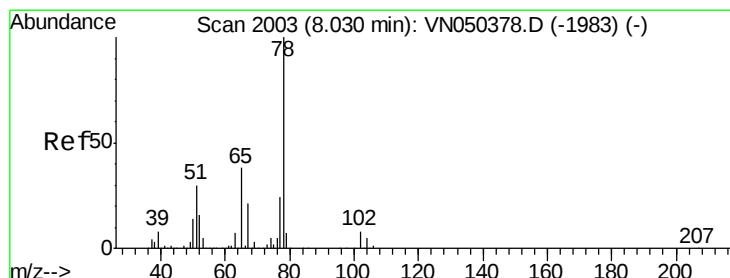
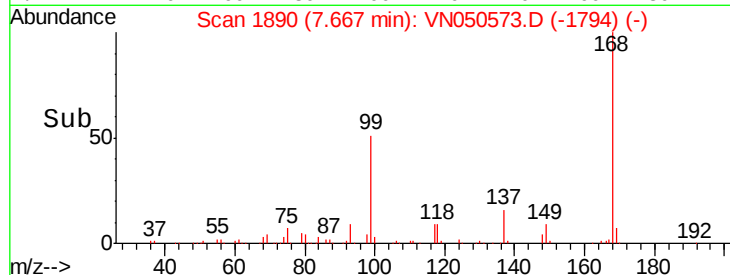
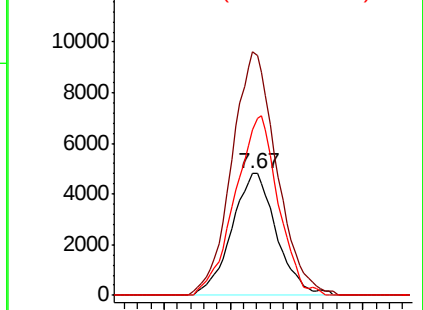
84 135.6 67.4 101.0#



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: 51.33 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050573.D

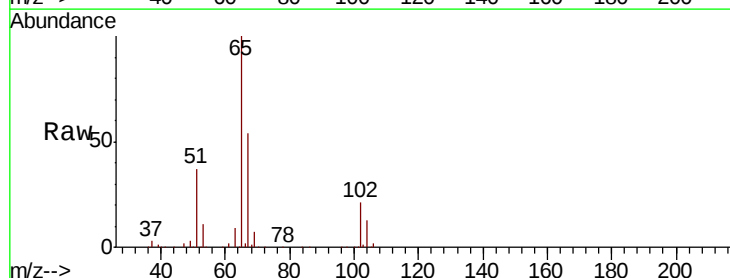
Acq: 13 Aug 2018 17:11

Tgt Ion: 65 Resp: 425955

Ion Ratio Lower Upper

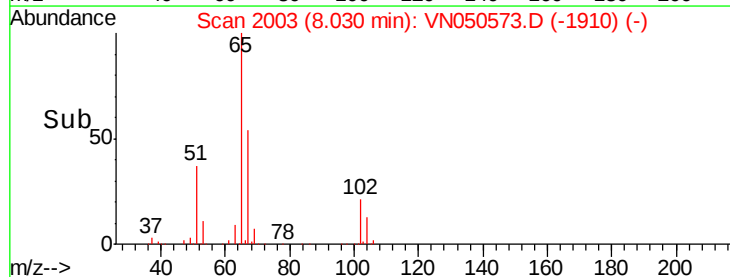
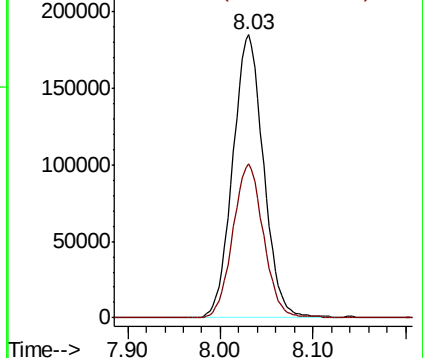
65 100

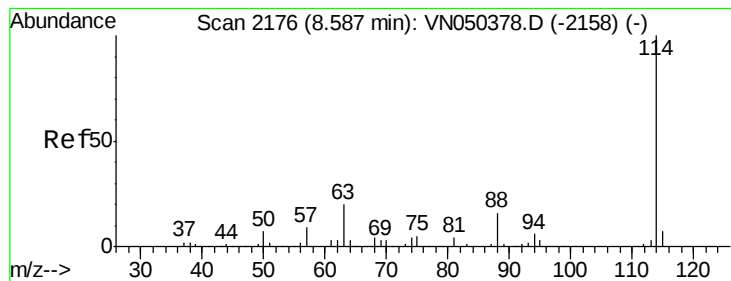
67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

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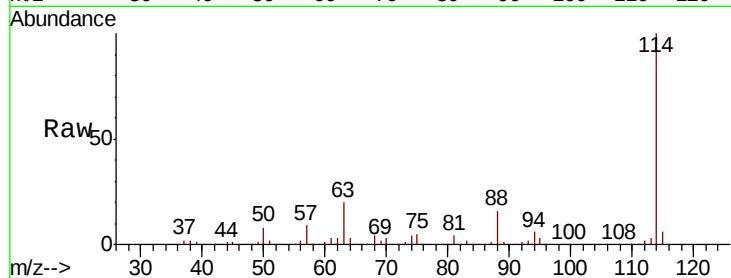
Tot Ion:114 Resp: 1024991

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

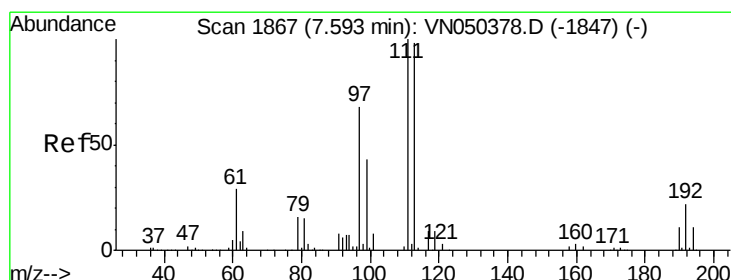
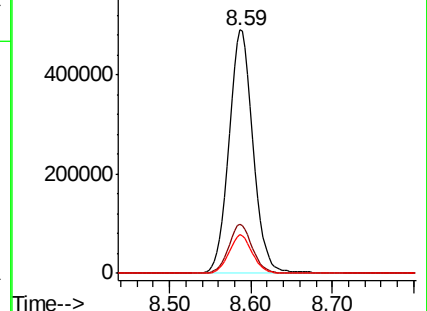
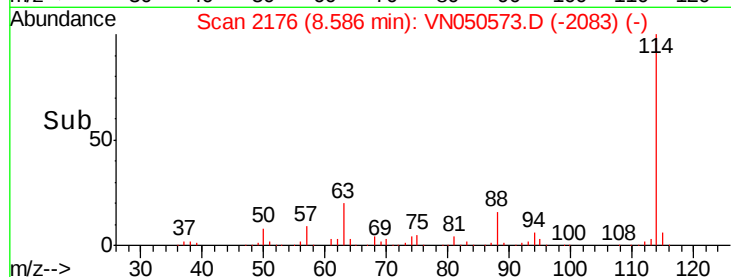
88 15.8 0.0 31.2



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: 48.34 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

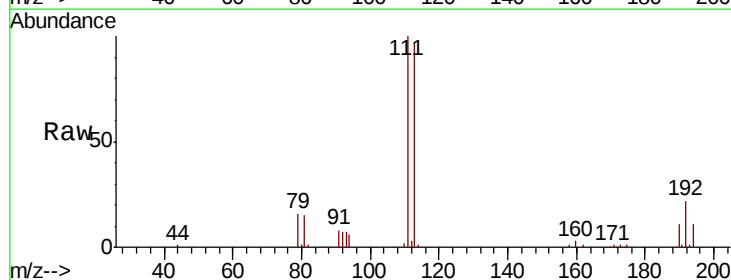
Tgt Ion:113 Resp: 397577

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

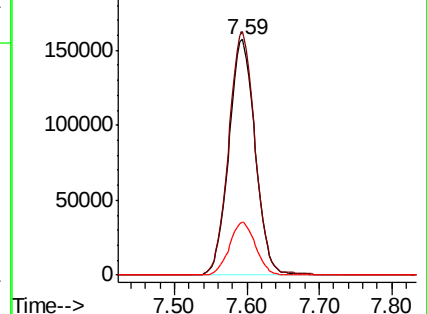
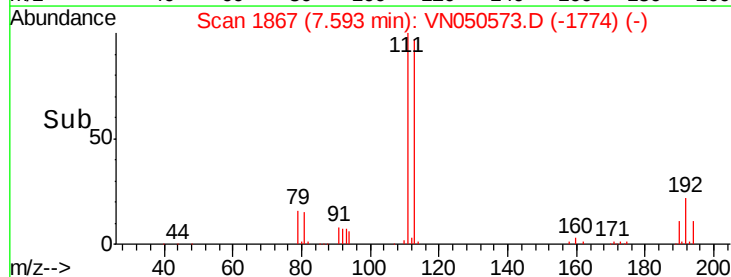
192 22.3 17.8 26.6

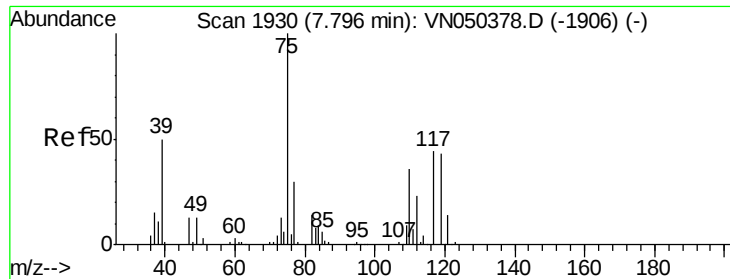


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

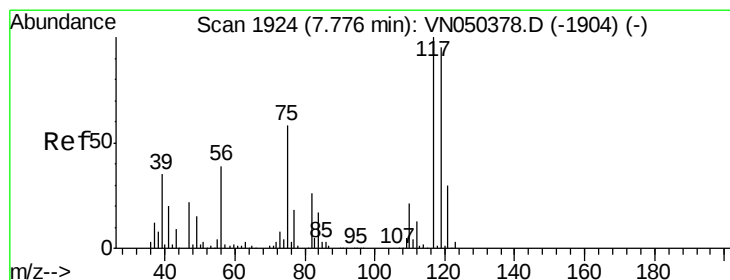
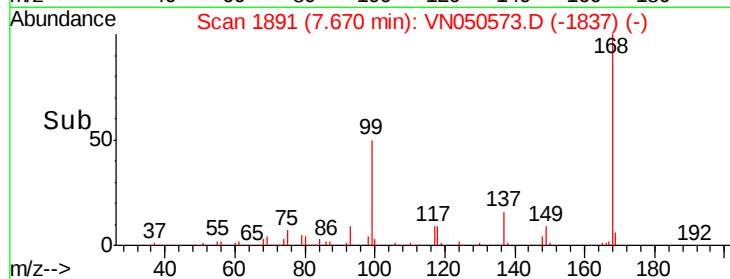
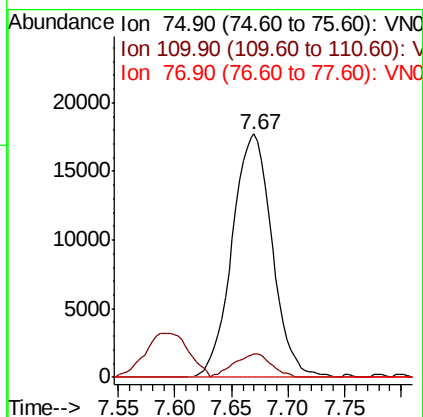
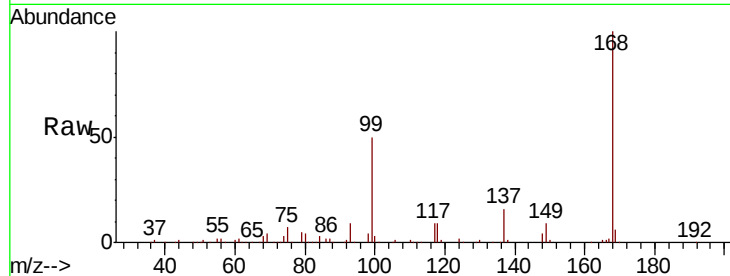




#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050573.D
 Acq: 13 Aug 2018 17:11

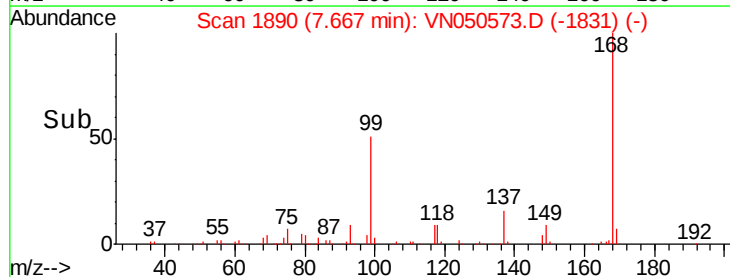
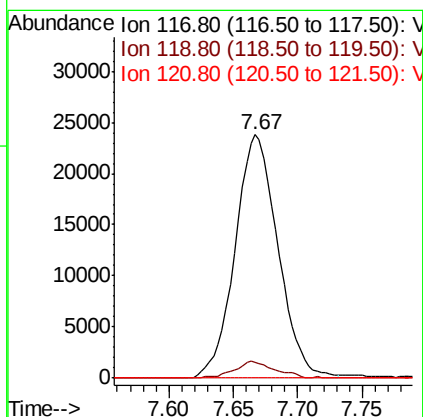
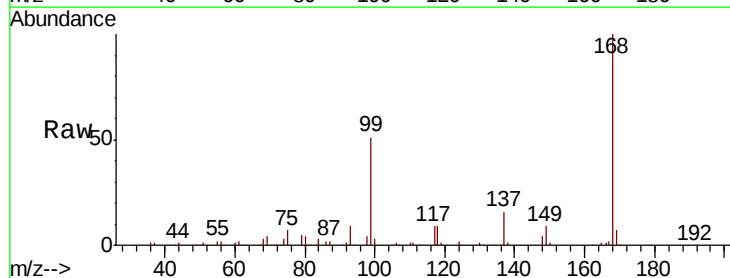
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#06

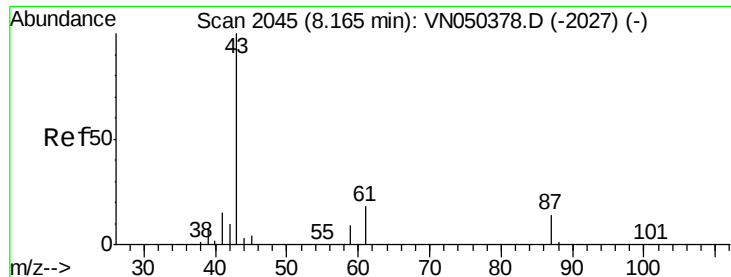
Tot Ion: 75 Resp: 43612
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.68 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050573.D
 Acq: 13 Aug 2018 17:11

Tgt Ion: 117 Resp: 54990
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 16.11 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#06

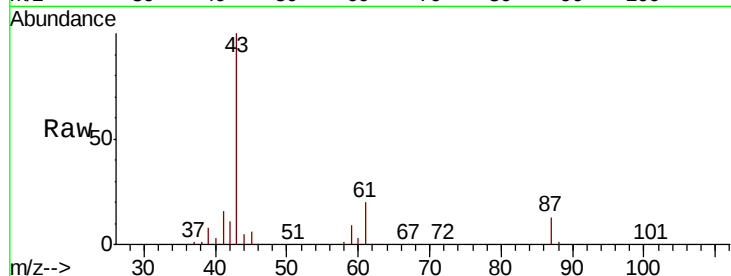
Tot Ion: 43 Resp: 225589

Ion Ratio Lower Upper

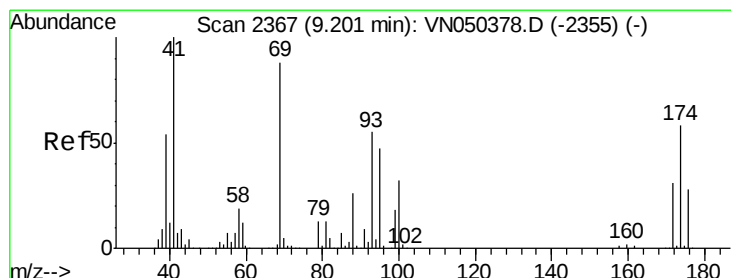
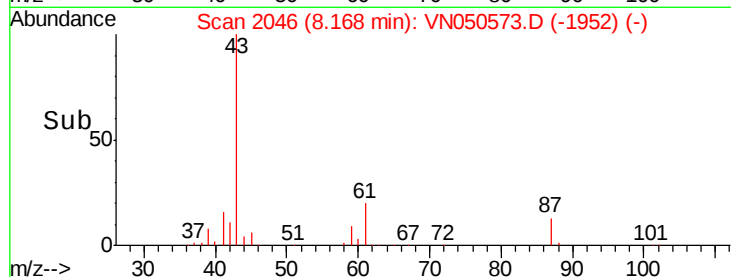
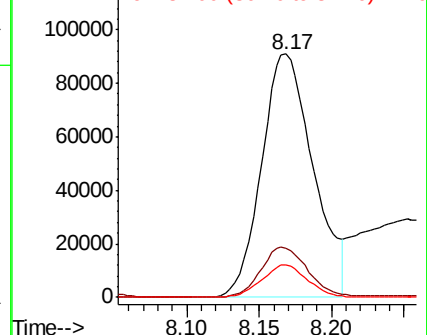
43 100

61 18.8 15.8 23.6

87 12.0 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

Methyl methacrylate

Concen: 0.95 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

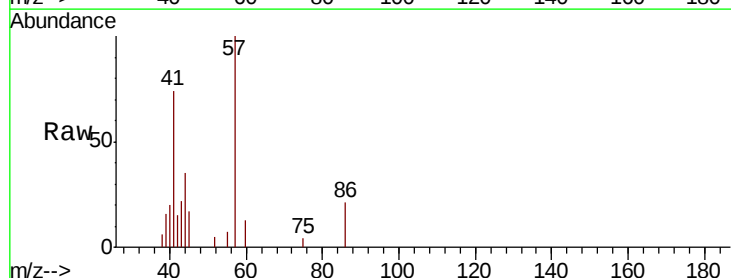
Tgt Ion: 41 Resp: 6644

Ion Ratio Lower Upper

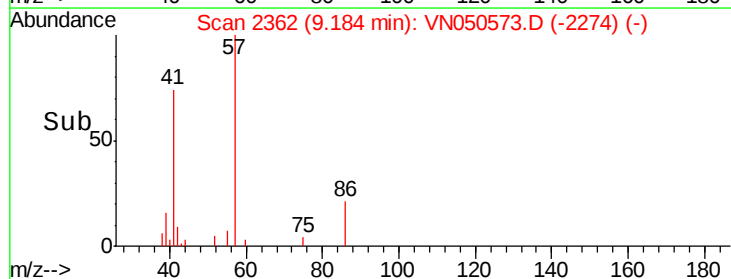
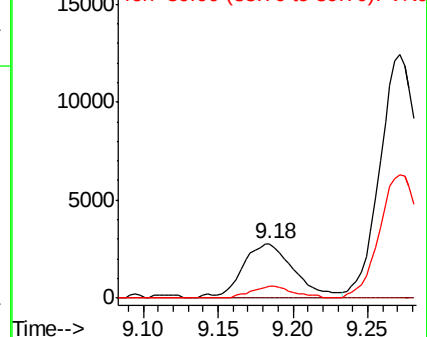
41 100

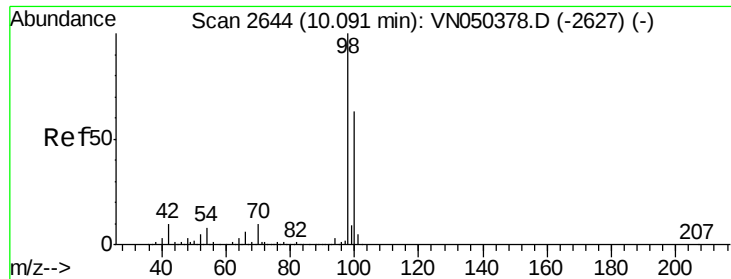
69 0.0 70.6 105.8#

39 17.9 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

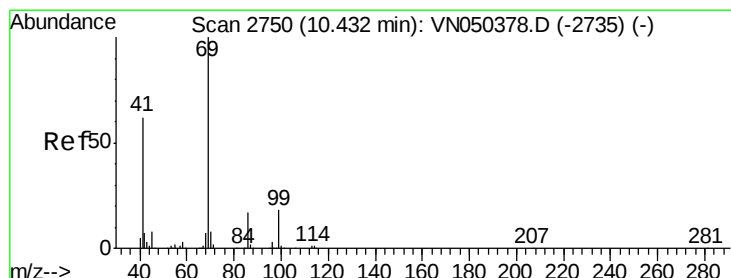
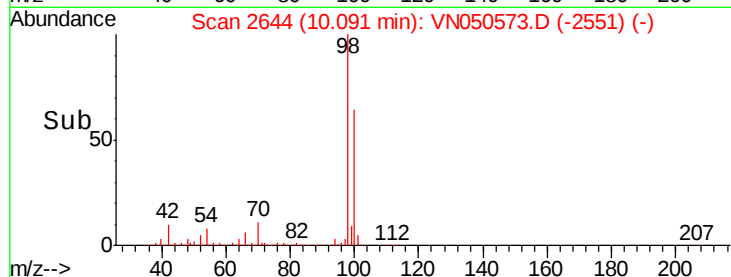
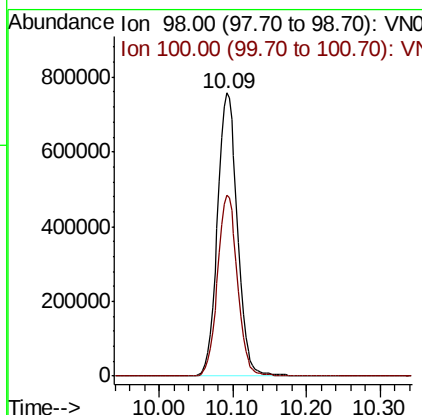
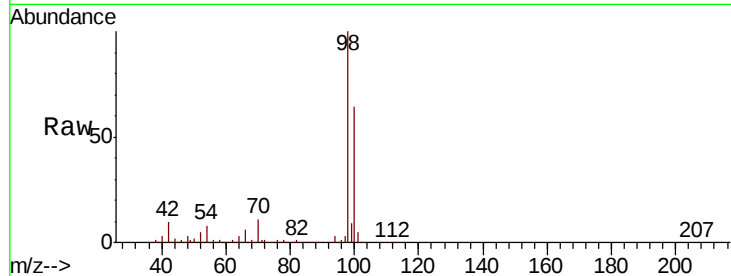




#50
Toluene-d8
Concen: 46.02 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

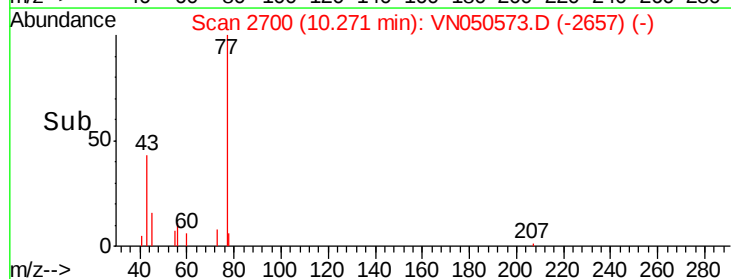
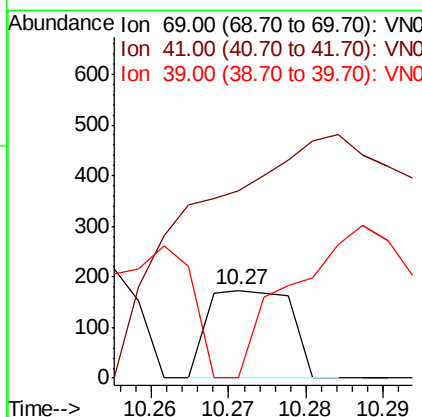
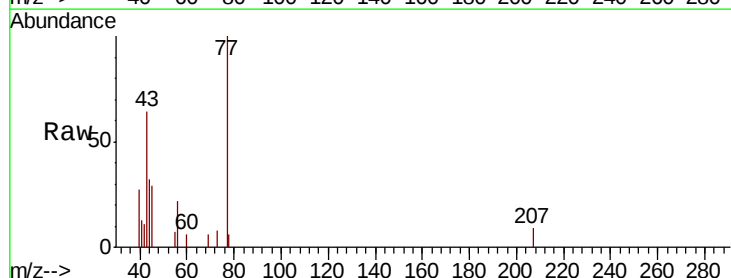
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#06

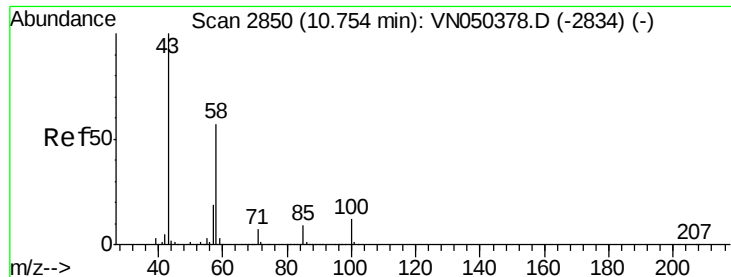
Tot Ion: 98 Resp: 1423169
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.27 min Scan# 2700
Delta R.T. -0.16 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 756.2 51.0 76.4#
39 235.4 26.6 40.0#





#59

2-Hexanone

Concen: 2.34 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

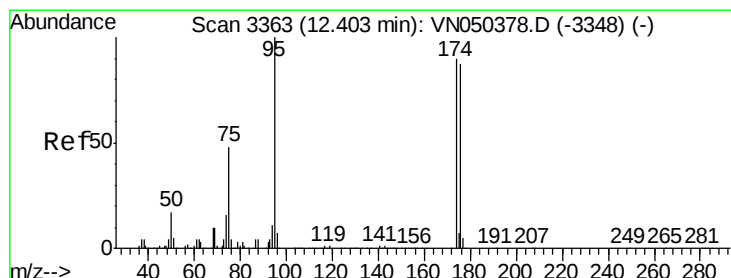
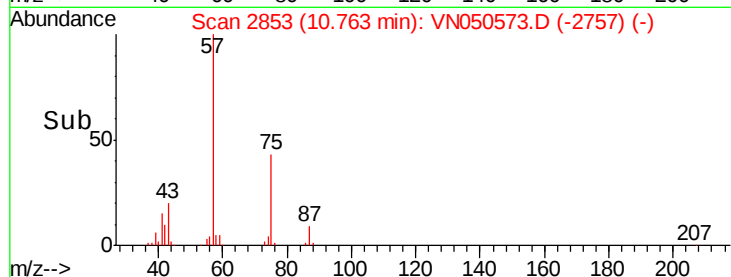
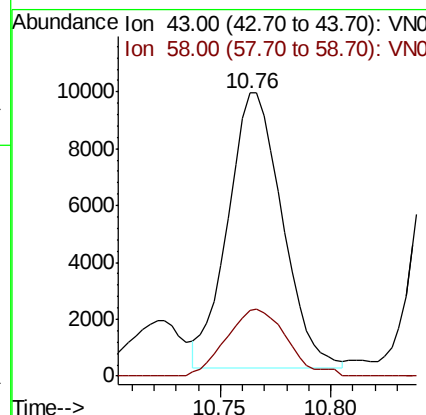
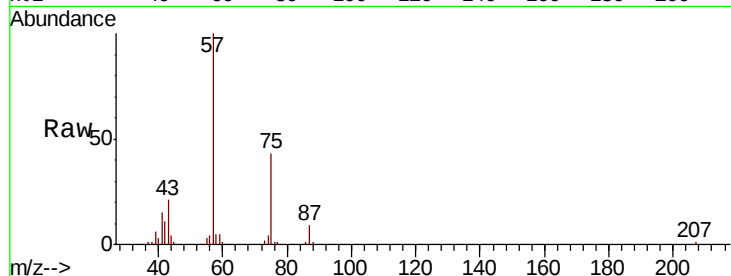
PB111961ZHE#06

Tot Ion: 43 Resp: 16481

Ion Ratio Lower Upper

43 100

58 27.2 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 38.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

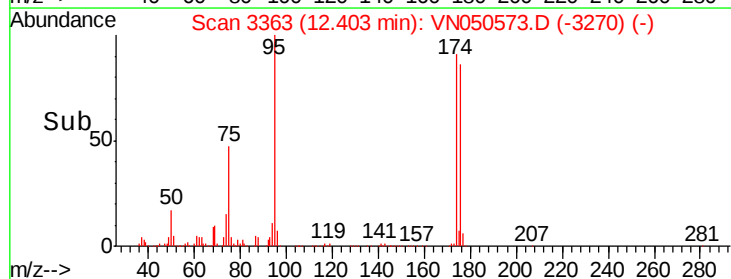
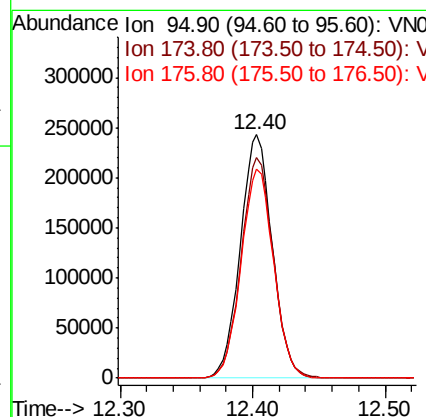
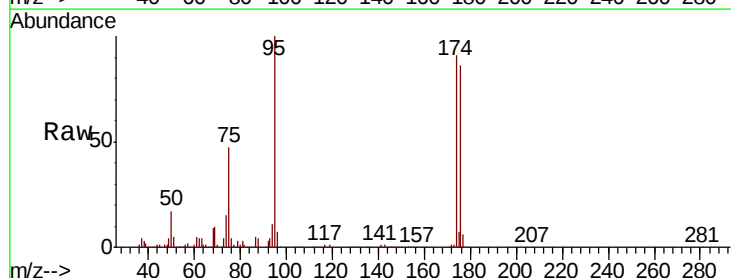
Tgt Ion: 95 Resp: 404339

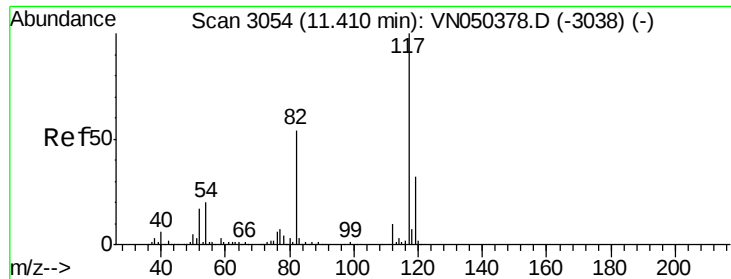
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.7 0.0 173.4

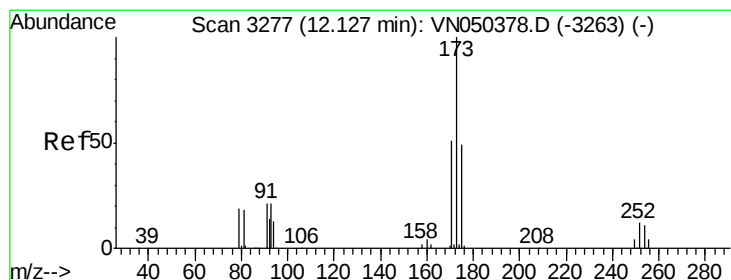
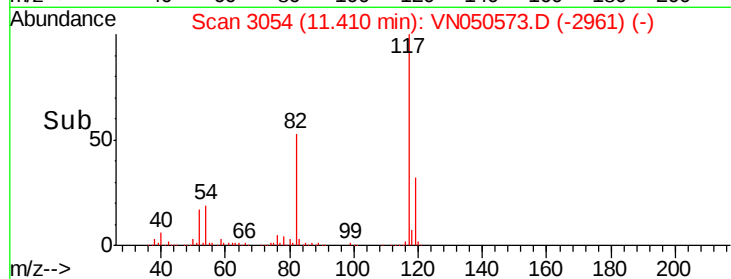
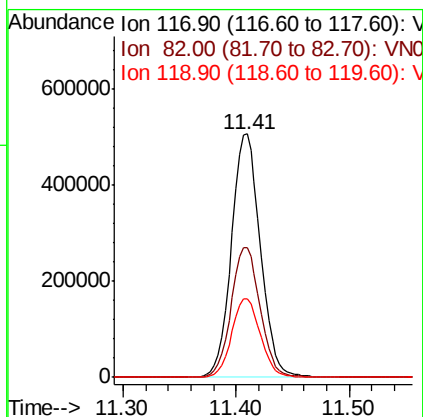
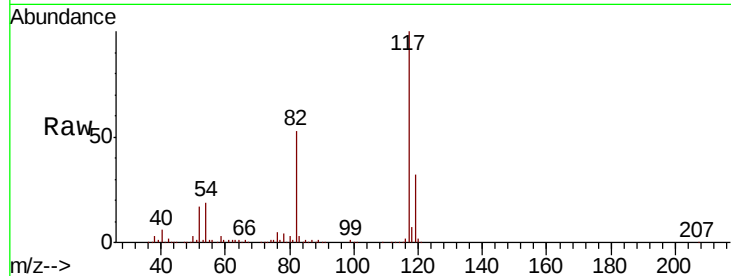




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

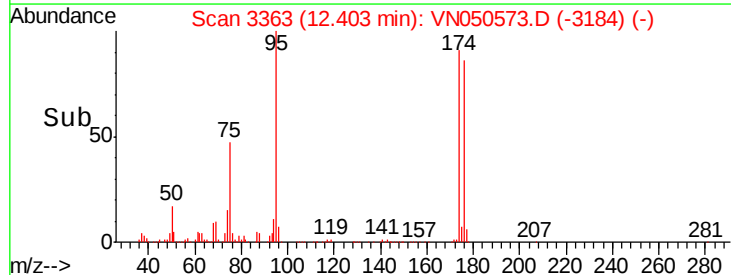
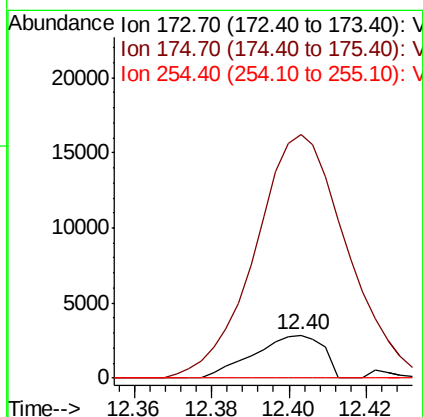
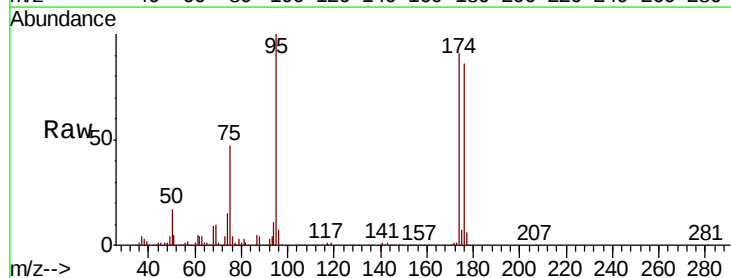
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#06

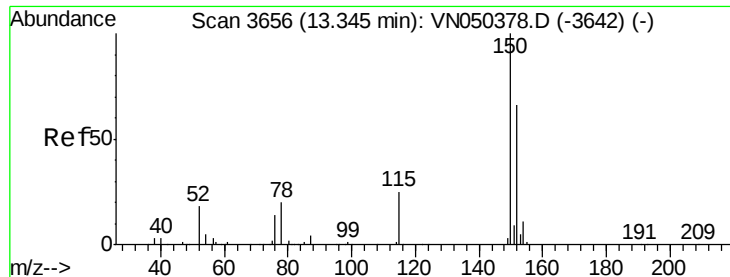
Tot Ion:117 Resp: 901385
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.4 26.1 39.1



#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050573.D
Acq: 13 Aug 2018 17:11

Tgt Ion:173 Resp: 3569
Ion Ratio Lower Upper
173 100
175 626.0 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#06

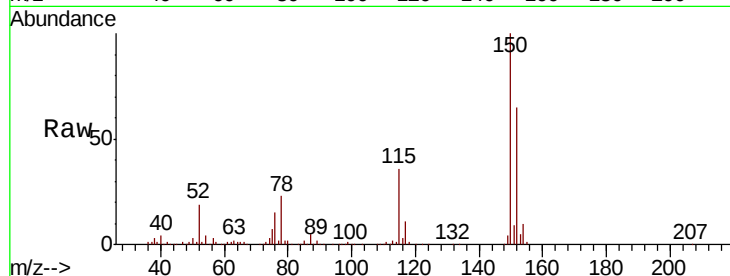
Tot Ion:152 Resp: 340292

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

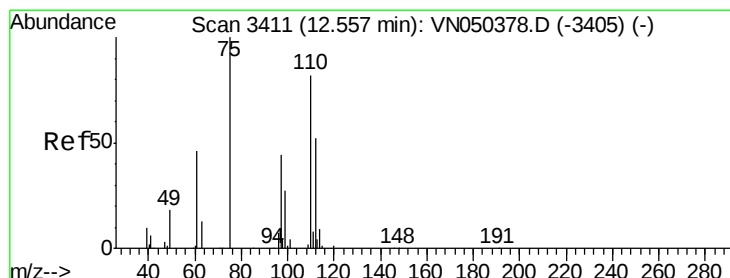
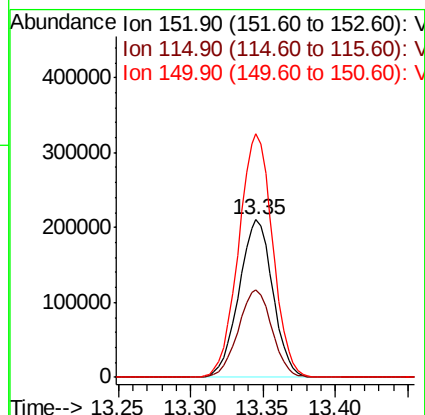
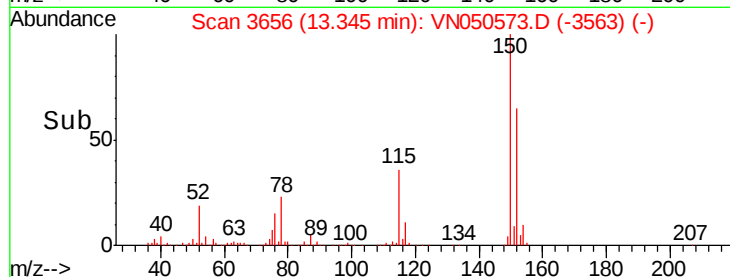
150 155.5 0.0 348.6



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: 31.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050573.D

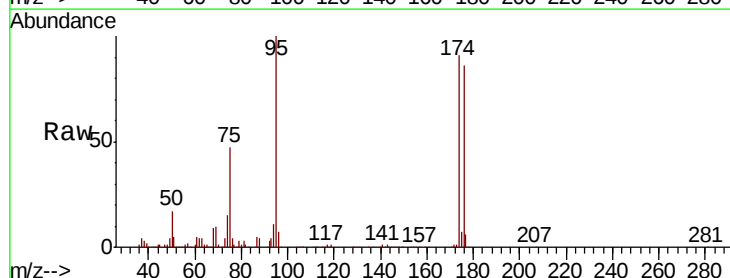
Acq: 13 Aug 2018 17:11

Tgt Ion: 75 Resp: 194831

Ion Ratio Lower Upper

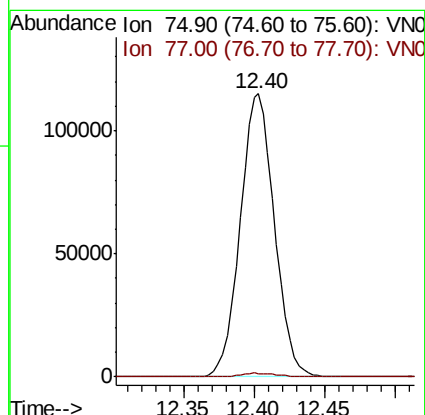
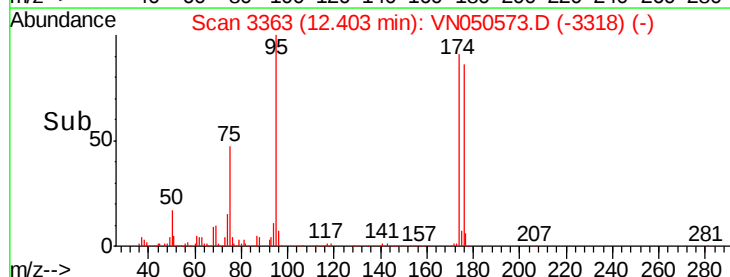
75 100

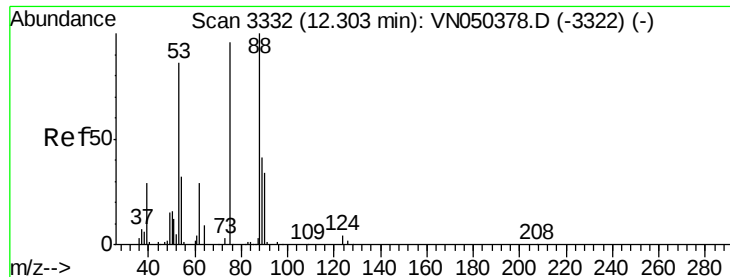
77 1.4 0.0 0.0#



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: 111.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#06

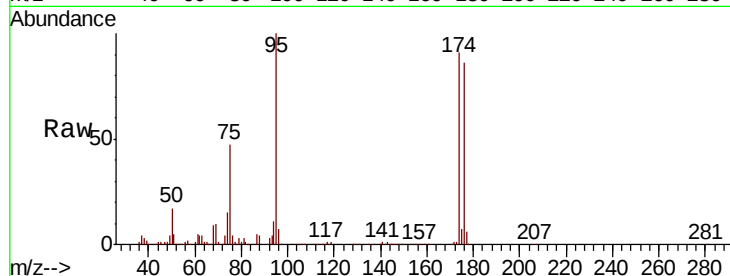
Tot Ion: 75 Resp: 194831

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

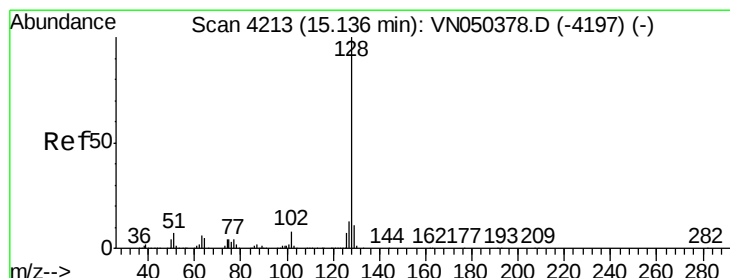
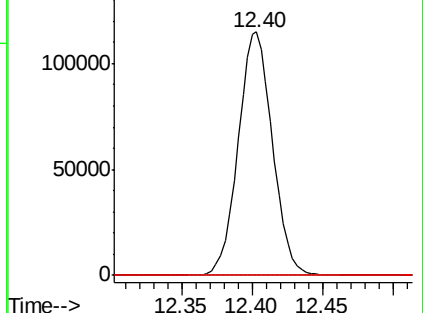
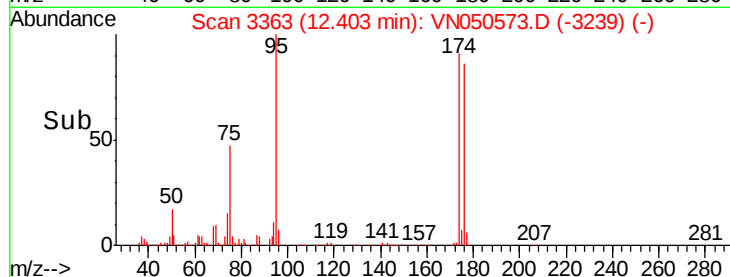
89 0.0 36.0 54.0#



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



#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050573.D

Acq: 13 Aug 2018 17:11

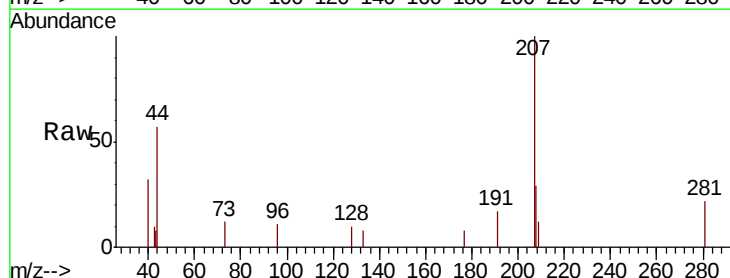
Tgt Ion: 128 Resp: 179

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

