

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050464.D
 Acq On : 8 Aug 2018 17:18
 Operator : MD\SY
 Sample : PB111846ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111846ZHE#04

Quant Time: Aug 09 00:57:49 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	809803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1269435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1110352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	463277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	519721	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.60	113	469754	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
50) Toluene-d8	10.09	98	1740746	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	12.40	95	532023	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

Target Compounds

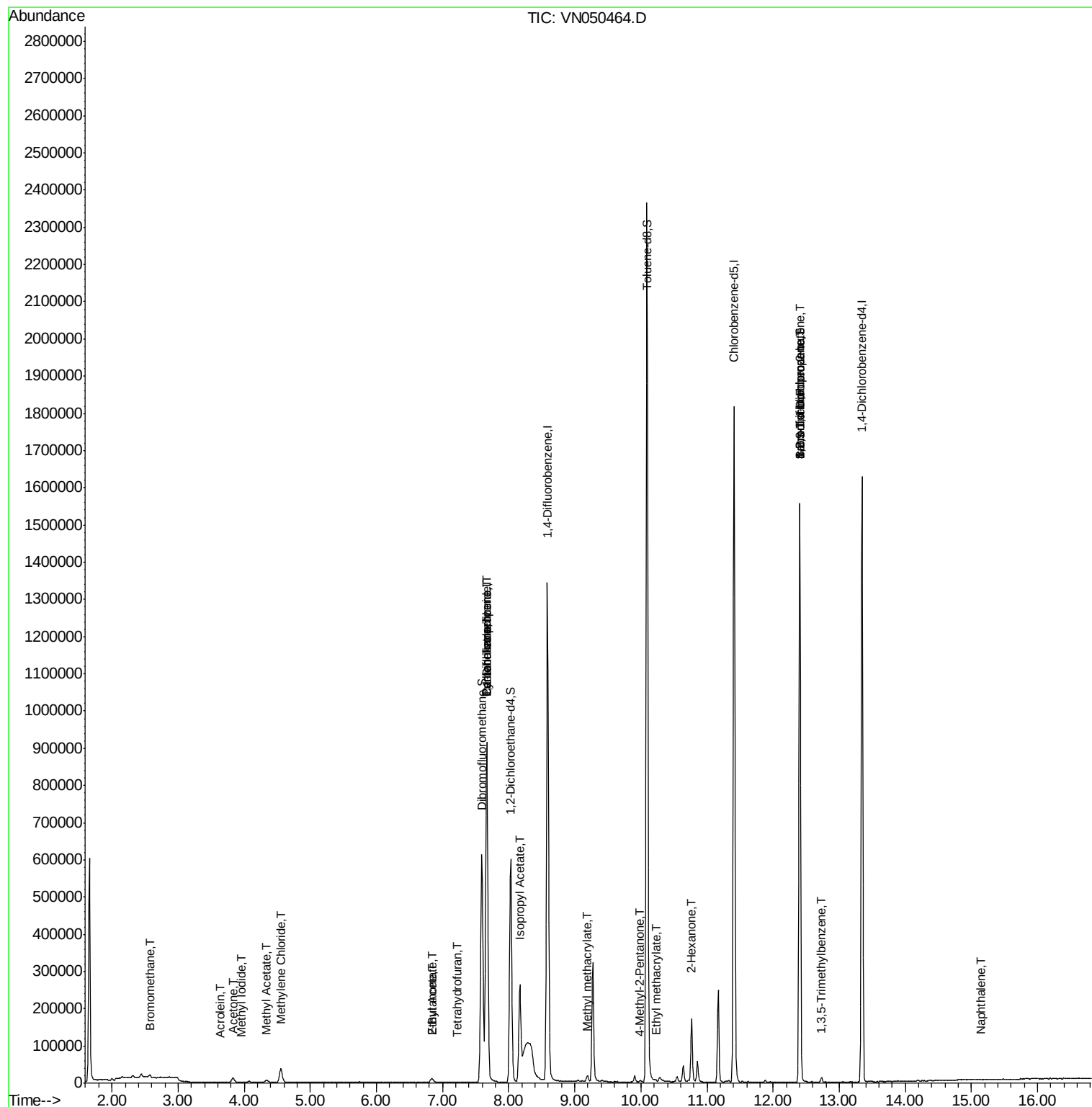
						Qvalue
3) Chloromethane	2.06	50	3430	Below Cal		94
5) Bromomethane	2.57	94	4350	0.94 ug/l		85
10) Methyl Iodide	3.95	142	1832	0.45 ug/l #		70
13) Acrolein	3.63	56	61	15.08 ug/l #		75
16) Acetone	3.82	43	23354	6.89 ug/l		97
18) Methyl Acetate	4.33	43	13700	1.45 ug/l		98
20) Methylene Chloride	4.55	84	29525	1.49 ug/l #		94
25) 2-Butanone	6.86	43	5251	0.98 ug/l		98
29) Tetrahydrofuran	7.22	42	1379	0.48 ug/l #		62
31) Cyclohexane	7.67	56	13125	0.22 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	53489	3.83 ug/l #		48
37) Ethyl Acetate	6.86	43	5251	0.52 ug/l #		73
38) Carbon Tetrachloride	7.67	117	69061	4.75 ug/l #		16
43) Isopropyl Acetate	8.17	43	330561	19.06 ug/l		99
48) Methyl methacrylate	9.18	41	9921	1.14 ug/l #		21
51) 4-Methyl-2-Pentanone	9.99	43	3040	0.24 ug/l		91
56) Ethyl methacrylate	10.23	69	3152	1.92 ug/l #		65
59) 2-Hexanone	10.77	43	24192	2.78 ug/l #		56
71) Bromoform	12.40	173	3537	0.48 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	254339	30.33 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	5715	0.20 ug/l		93
81) trans-1,4-Dichloro-2-buten	12.40	75	254339	106.57 ug/l #		13
95) Naphthalene	15.14	128	978	3.66 ug/l #		69

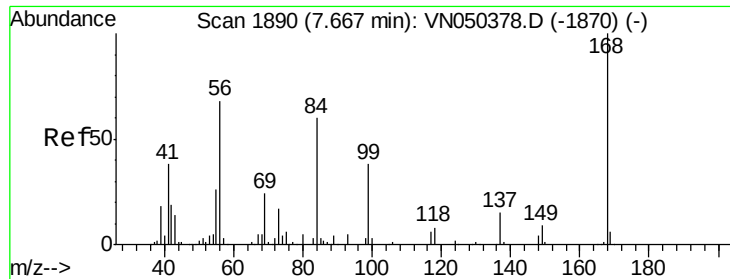
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1891

Delta R.T. 0.00 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

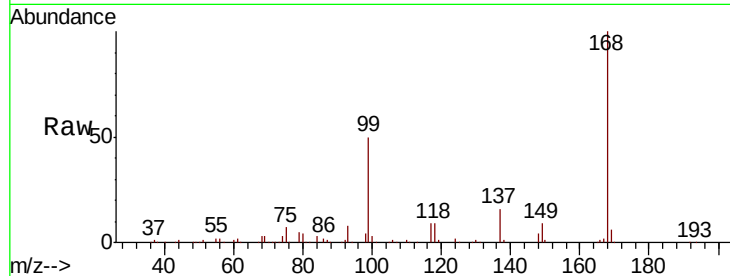
PB111846ZHE#04

Tot Ion:168 Resp: 809803

Ion Ratio Lower Upper

168 100

99 49.7 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

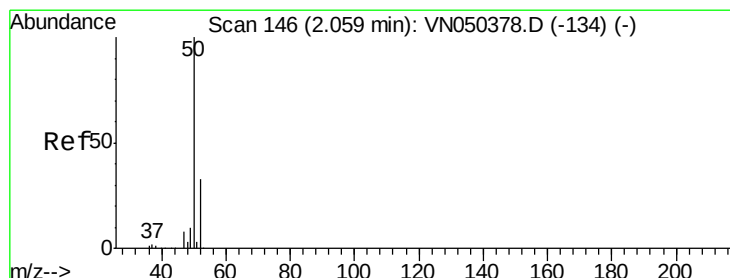
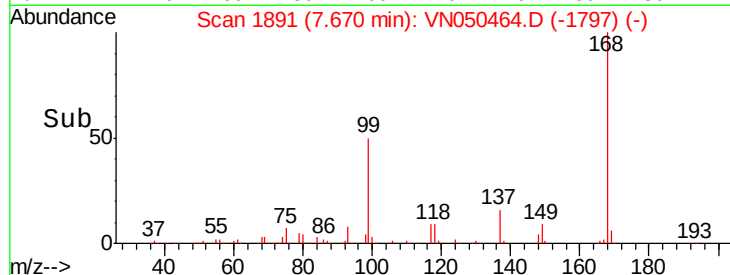
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050464.D

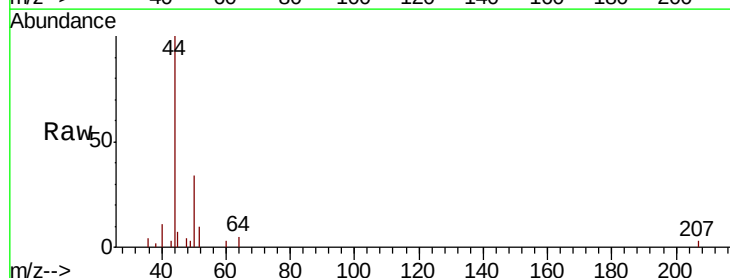
Acq: 8 Aug 2018 17:18

Tgt Ion: 50 Resp: 3430

Ion Ratio Lower Upper

50 100

52 29.2 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) (-)

2.06

2500

2000

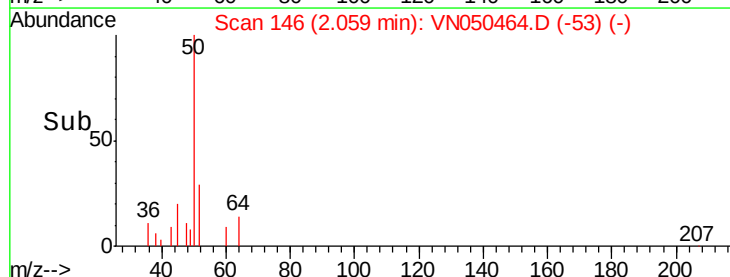
1500

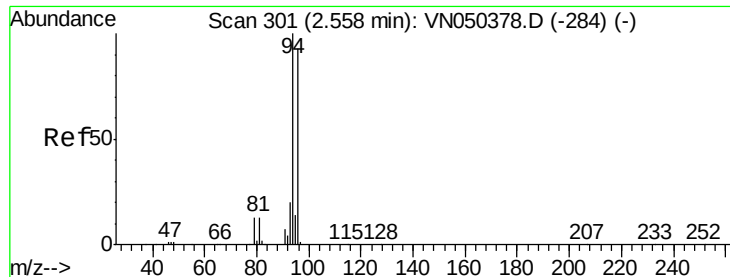
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.94 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

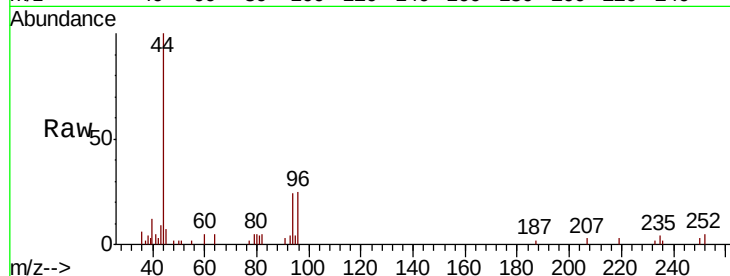
PB111846ZHE#04

Tot Ion: 94 Resp: 4350

Ion Ratio Lower Upper

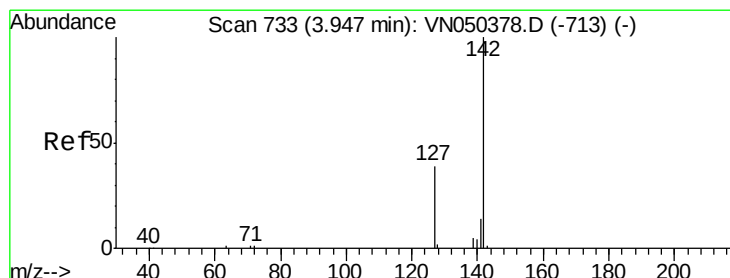
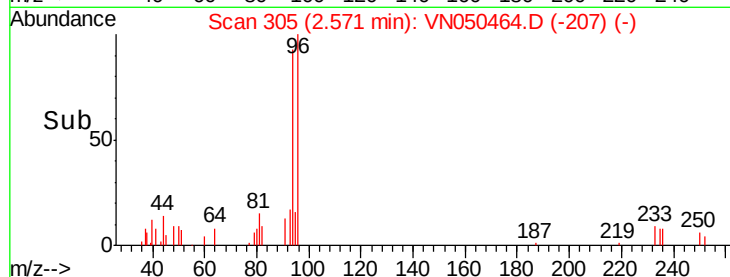
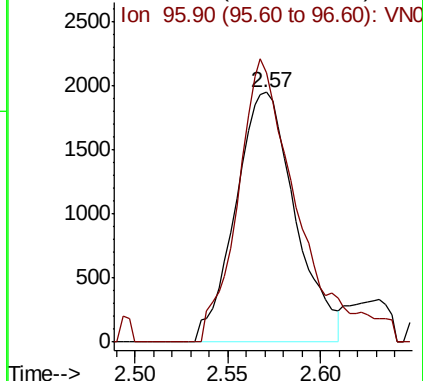
94 100

96 107.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.45 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

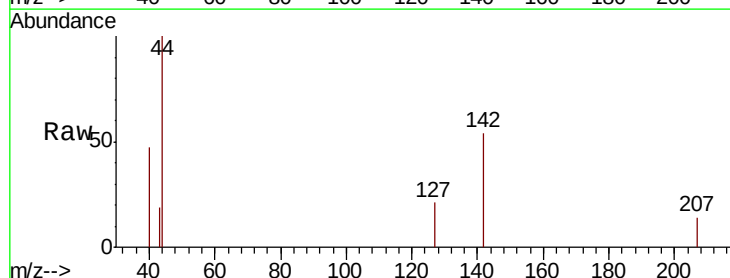
Tgt Ion: 142 Resp: 1832

Ion Ratio Lower Upper

142 100

127 24.0 33.4 50.2#

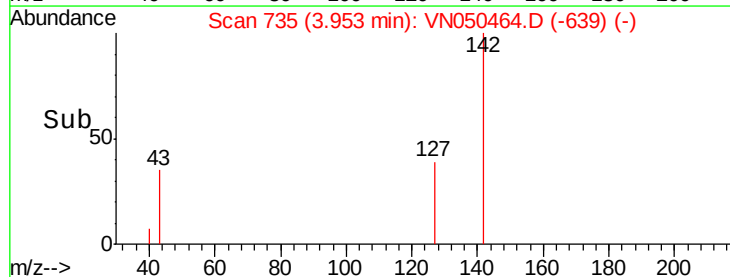
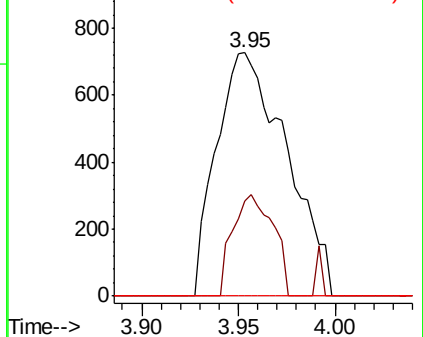
141 0.0 11.6 17.4#

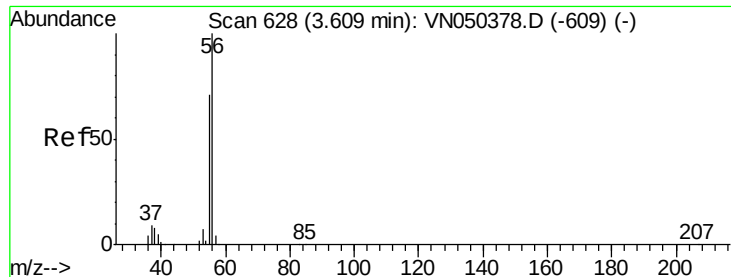


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 15.08 ug/l

RT: 3.63 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

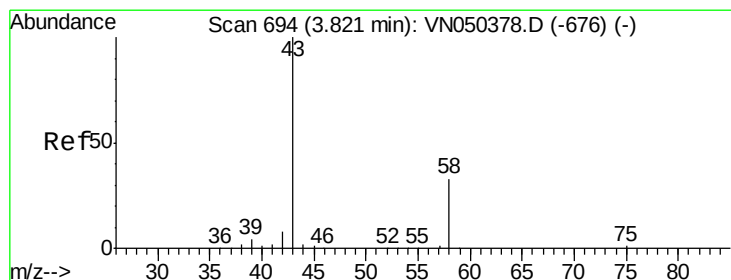
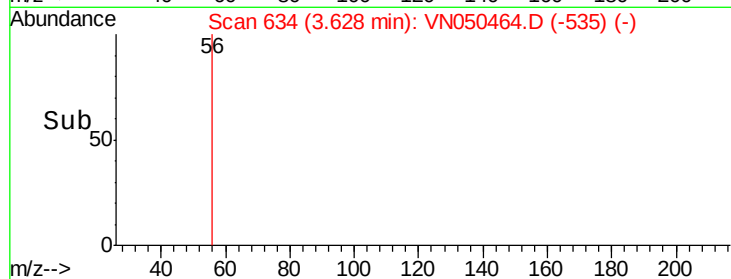
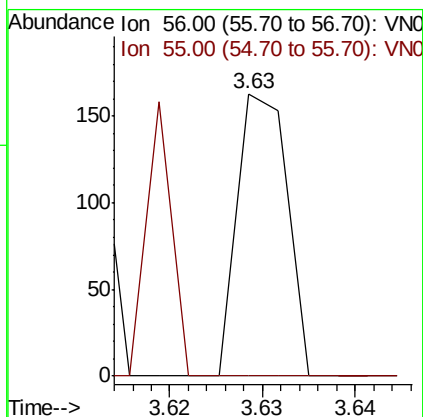
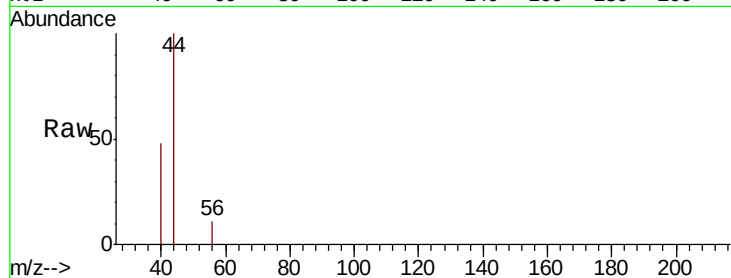
PB111846ZHE#04

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 49.2 55.8 83.6#



#16

Acetone

Concen: 6.89 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050464.D

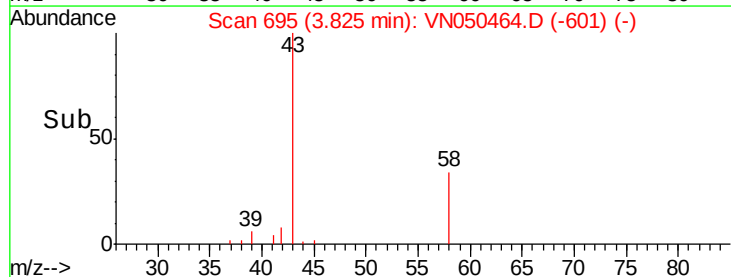
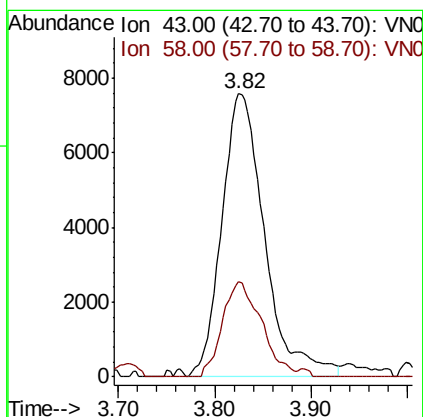
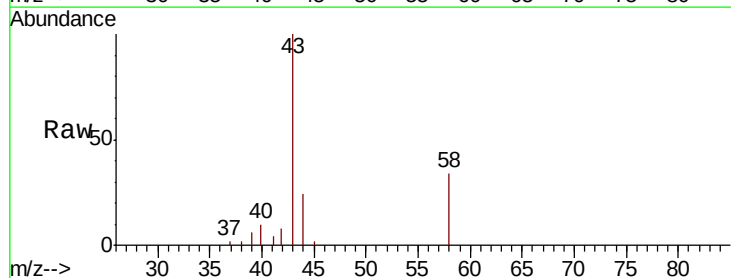
Acq: 8 Aug 2018 17:18

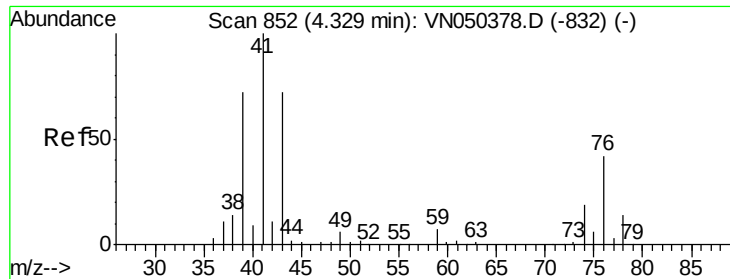
Tgt Ion: 43 Resp: 23354

Ion Ratio Lower Upper

43 100

58 33.8 25.8 38.8

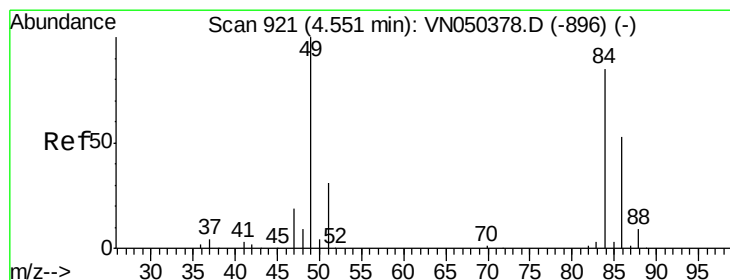
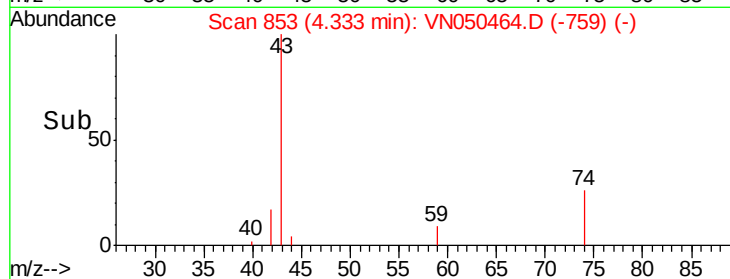
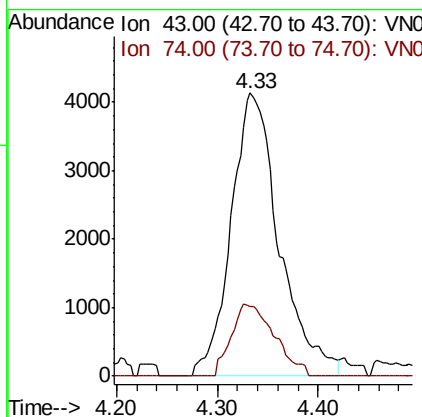
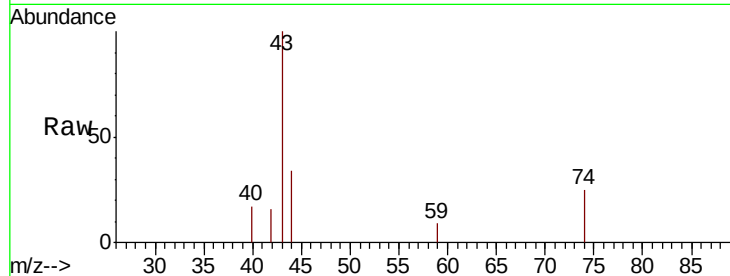




#18
Methyl Acetate
Concen: 1.45 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

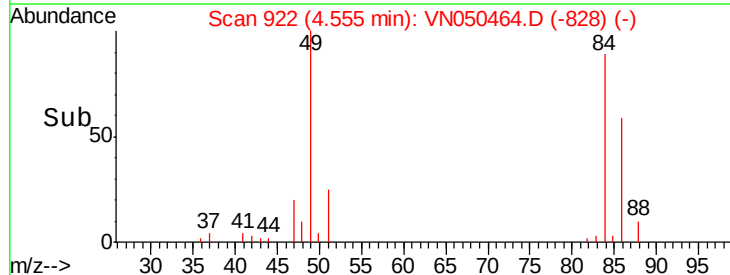
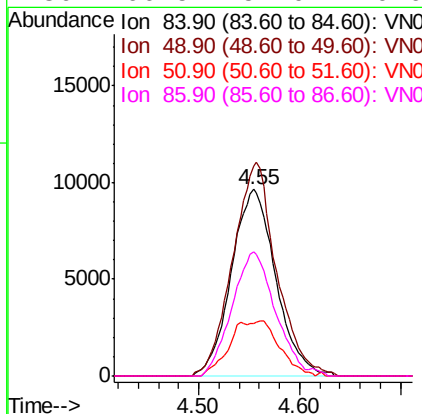
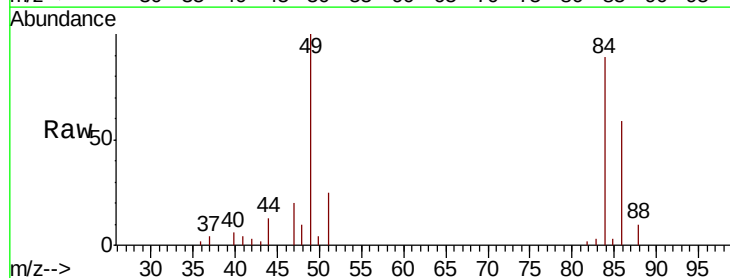
Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#04

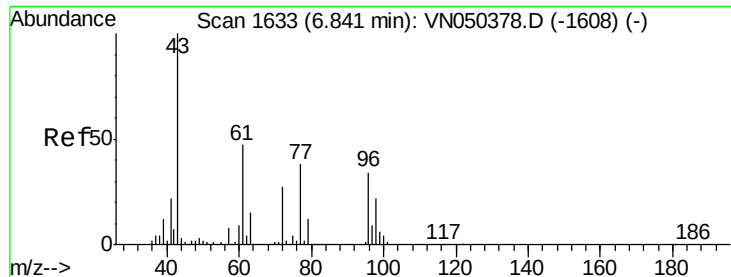
Tot Ion: 43 Resp: 13700
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8



#20
Methylene Chloride
Concen: 1.49 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Tgt Ion: 84 Resp: 29525
Ion Ratio Lower Upper
84 100
49 112.5 94.8 142.2
51 28.2 28.3 42.5#
86 66.5 51.0 76.6





#25

2-Butanone

Concen: 0.98 ug/l

RT: 6.86 min Scan# 1639

Delta R.T. 0.02 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

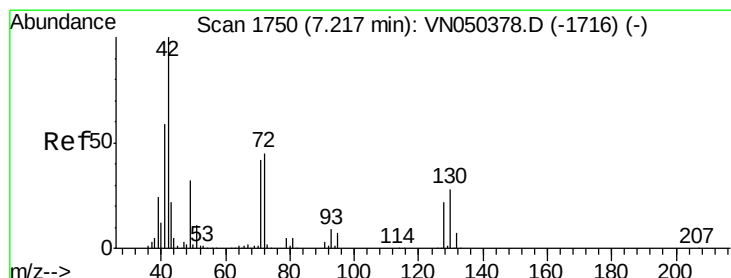
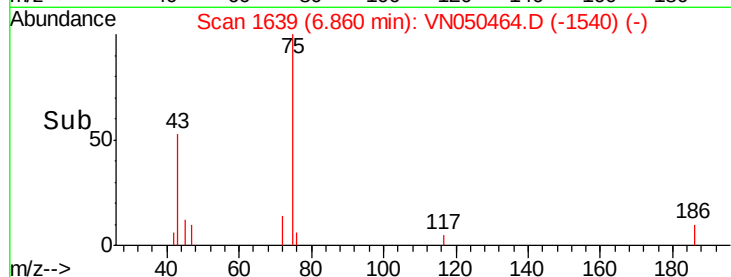
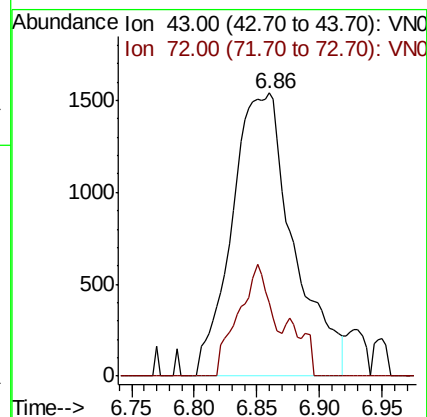
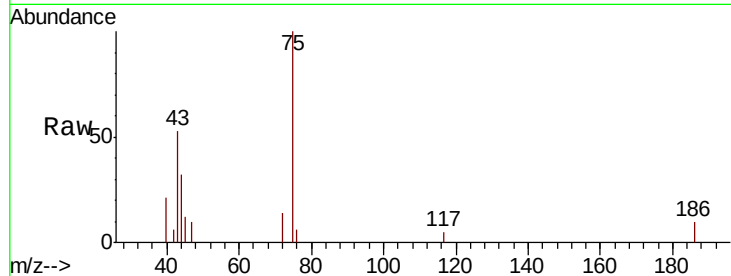
PB111846ZHE#04

Tot Ion: 43 Resp: 5251

Ion Ratio Lower Upper

43 100

72 25.8 21.5 32.3



#29

Tetrahydrofuran

Concen: 0.48 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

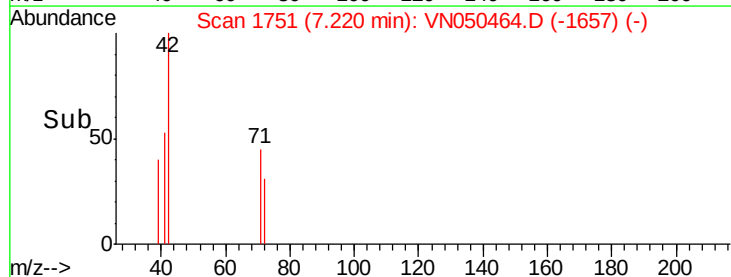
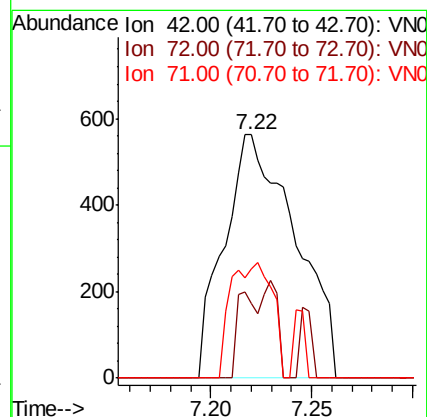
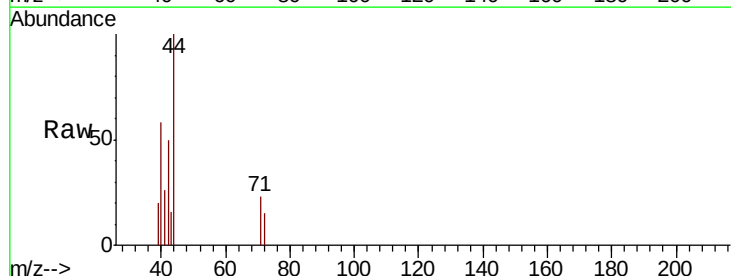
Tgt Ion: 42 Resp: 1379

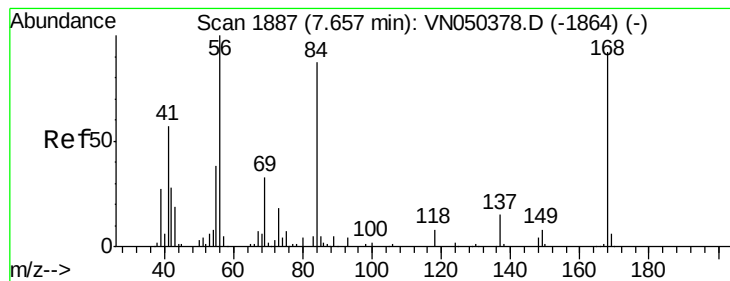
Ion Ratio Lower Upper

42 100

72 10.0 35.9 53.9#

71 28.2 33.7 50.5#





#31

Cyclohexane

Concen: 0.22 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#04

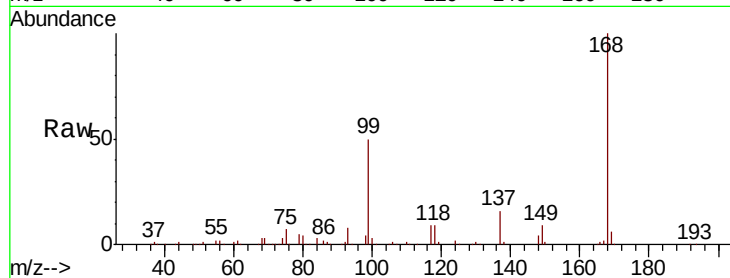
Tot Ion: 56 Resp: 13125

Ion Ratio Lower Upper

56 100

69 179.5 26.2 39.4#

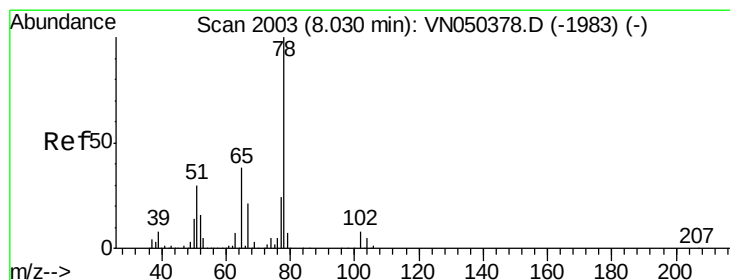
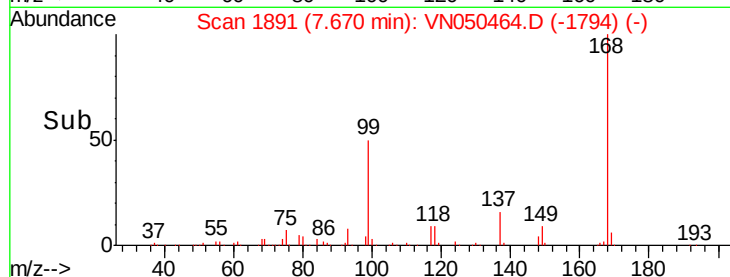
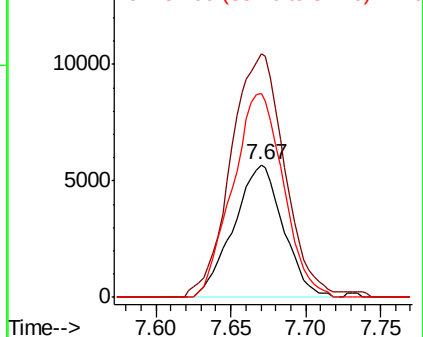
84 153.7 67.4 101.0#



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: 48.03 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050464.D

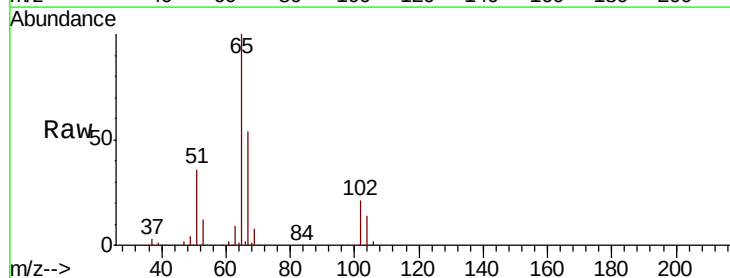
Acq: 8 Aug 2018 17:18

Tgt Ion: 65 Resp: 519721

Ion Ratio Lower Upper

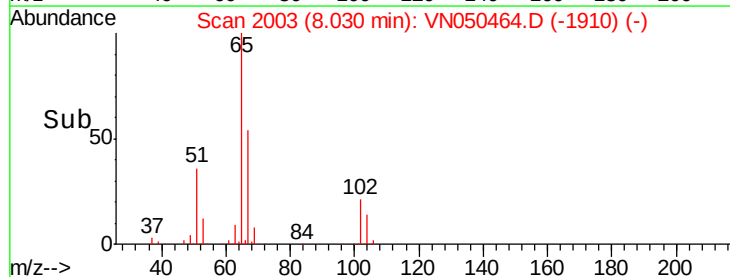
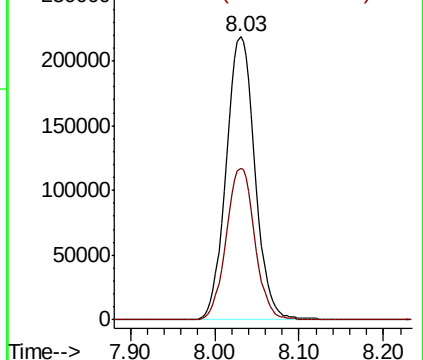
65 100

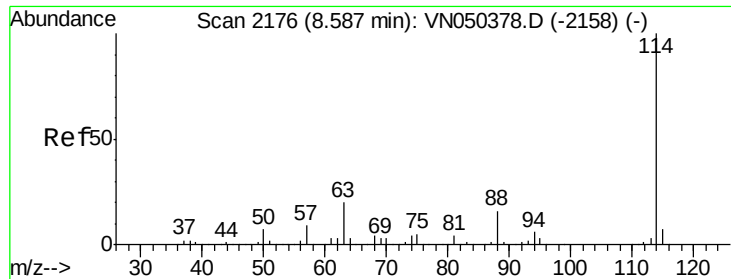
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

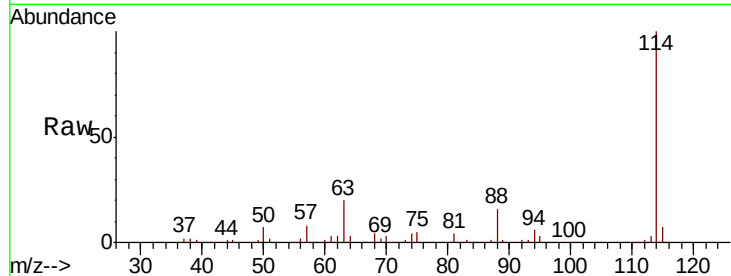




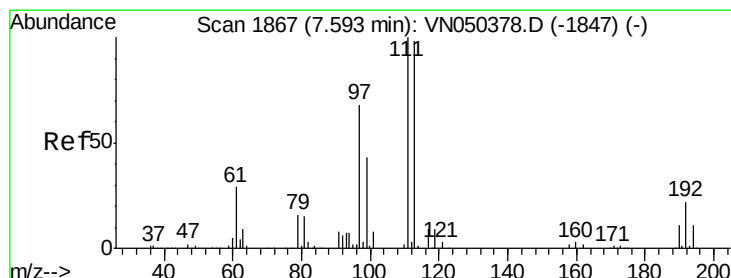
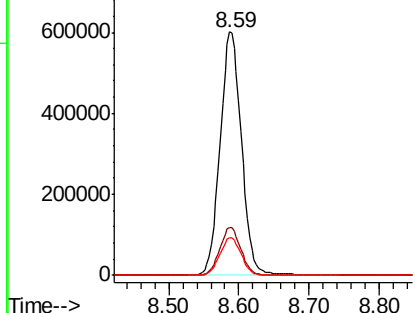
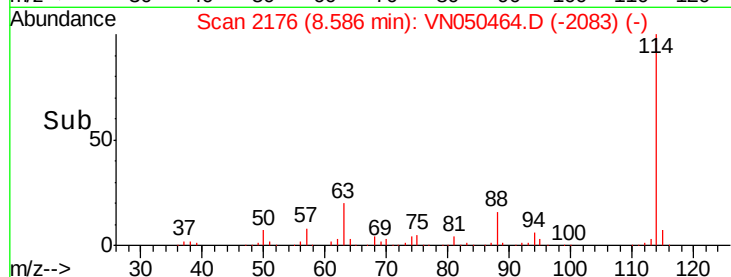
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050464.D
 Acq: 8 Aug 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111846ZHE#04

Tot Ion:114 Resp: 1269435
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.6 0.0 31.2

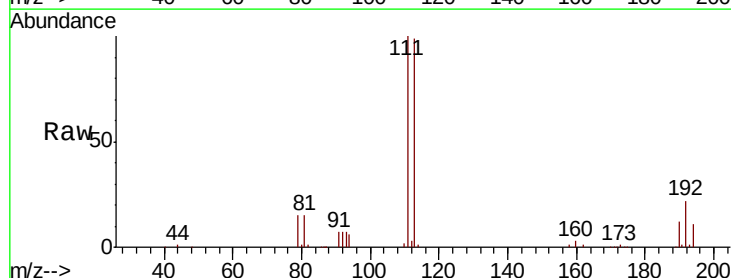


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

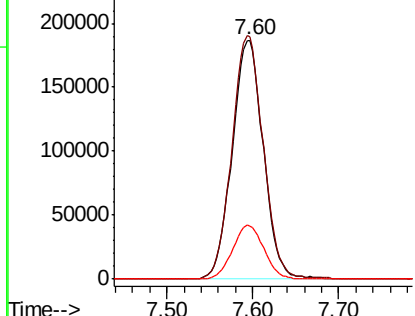
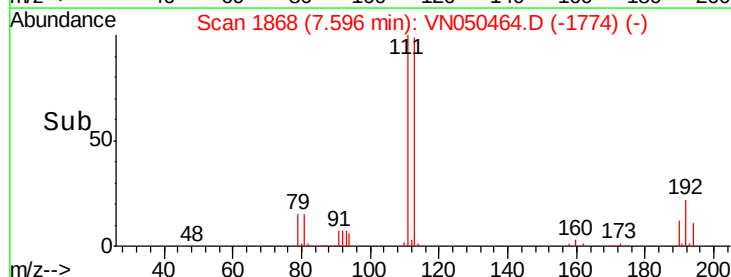


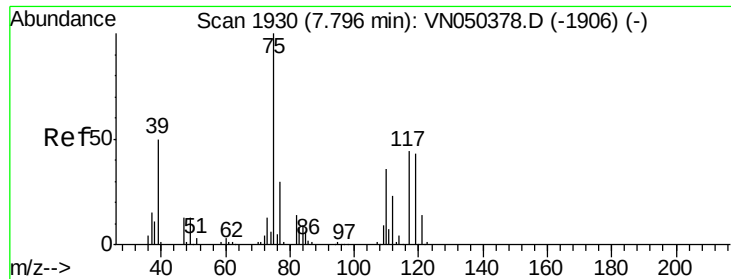
#35
 Dibromofluoromethane
 Concen: 46.12 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050464.D
 Acq: 8 Aug 2018 17:18

Tgt Ion:113 Resp: 469754
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.7 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

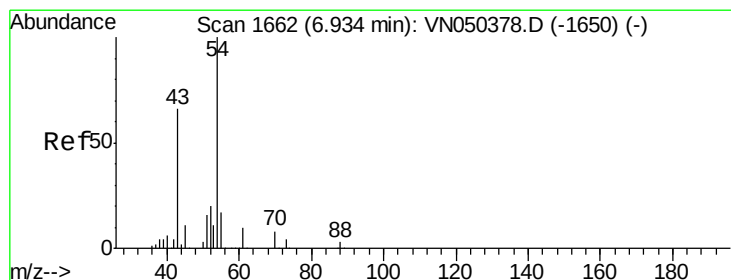
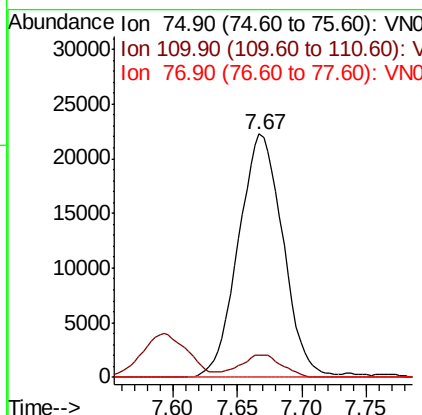
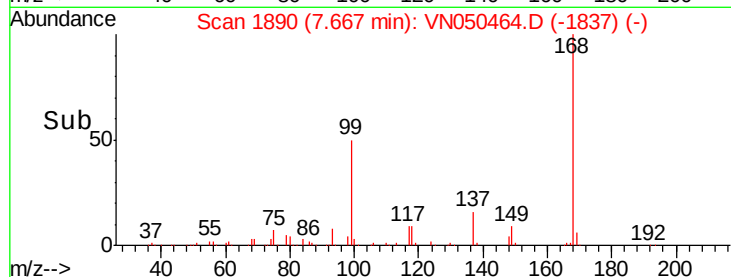
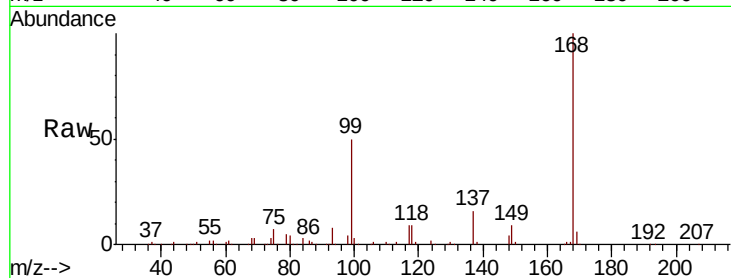




#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050464.D
 Acq: 8 Aug 2018 17:18

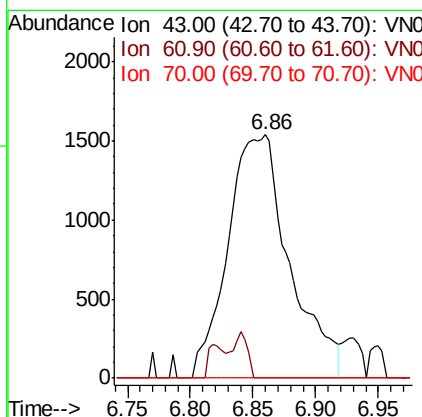
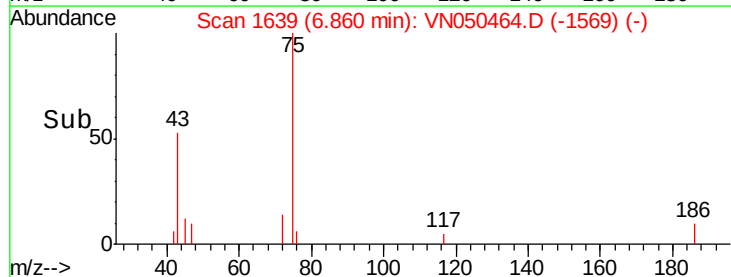
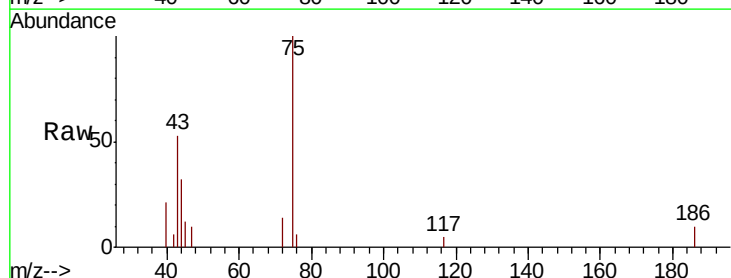
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111846ZHE#04

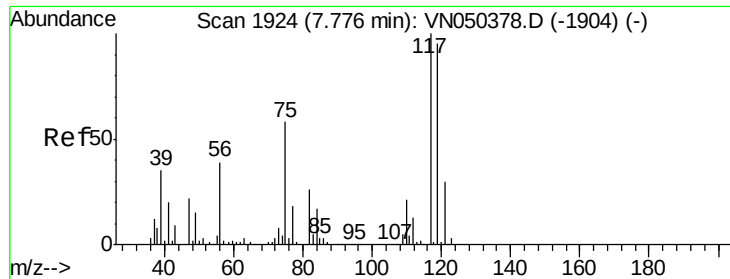
Tot Ion: 75 Resp: 53489
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 0.52 ug/l
 RT: 6.86 min Scan# 1639
 Delta R.T. -0.07 min
 Lab File: VN050464.D
 Acq: 8 Aug 2018 17:18

Tgt Ion: 43 Resp: 5251
 Ion Ratio Lower Upper
 43 100
 61 4.1 11.8 17.8#
 70 0.0 8.4 12.6#

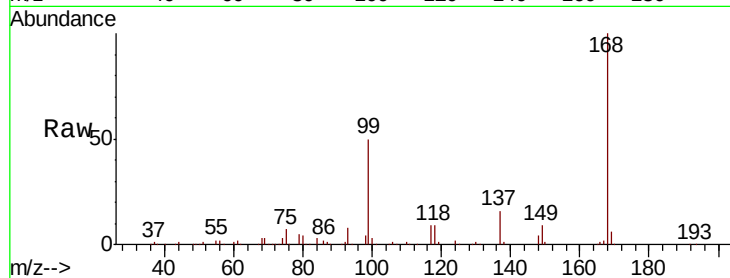




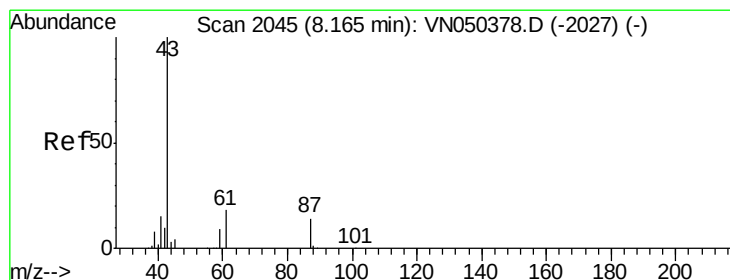
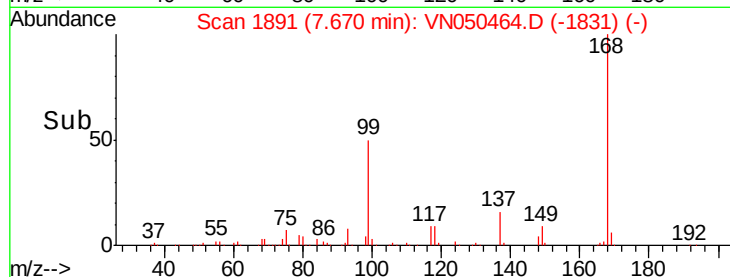
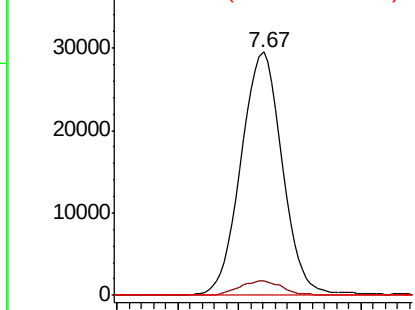
#38
Carbon Tetrachloride
Concen: 4.75 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#04

Tot Ion:117 Resp: 69061
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 23.9 35.9#

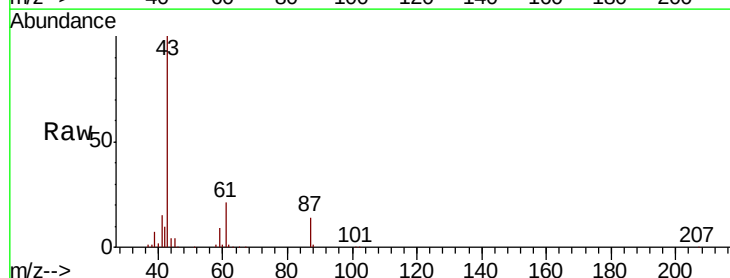


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

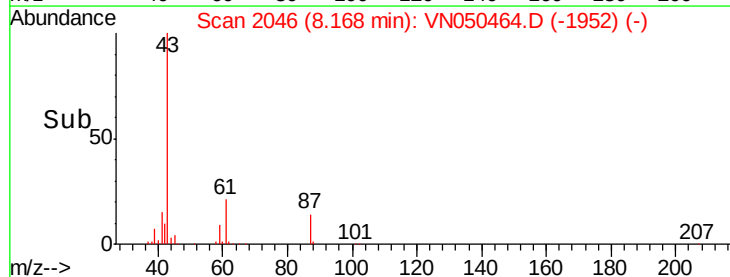
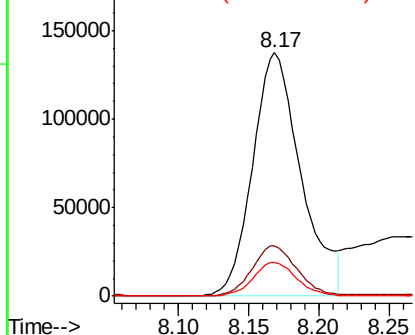


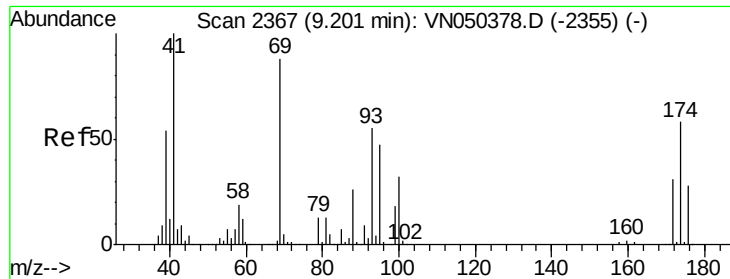
#43
Isopropyl Acetate
Concen: 19.06 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Tgt Ion: 43 Resp: 330561
Ion Ratio Lower Upper
43 100
61 19.2 15.8 23.6
87 12.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

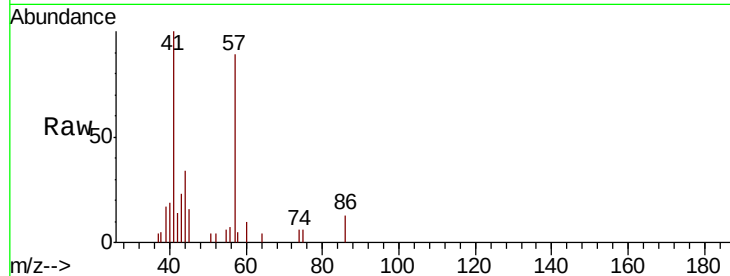




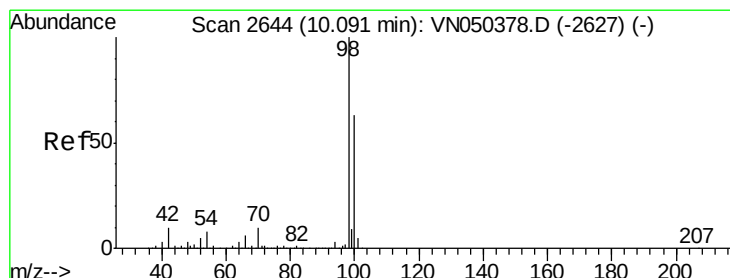
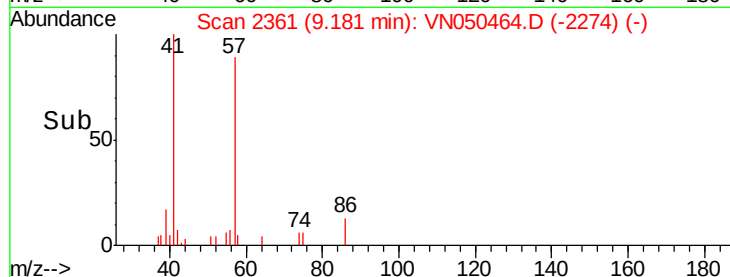
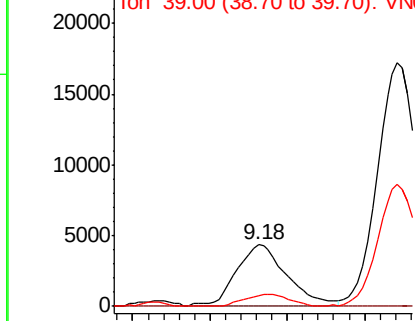
#48
Methvl methacrylate
Concen: 1.14 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#04

Tot Ion: 41 Resp: 9921
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.8 43.9 65.9#

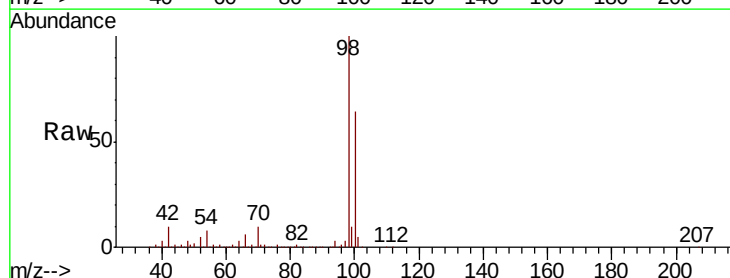


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

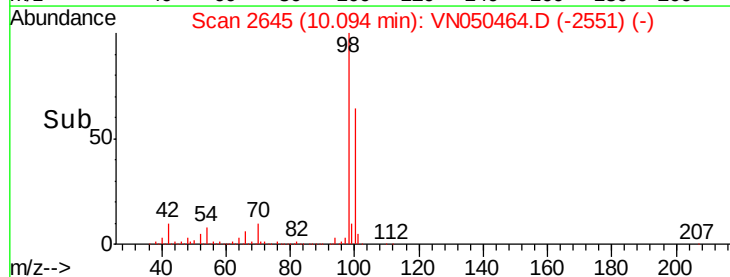
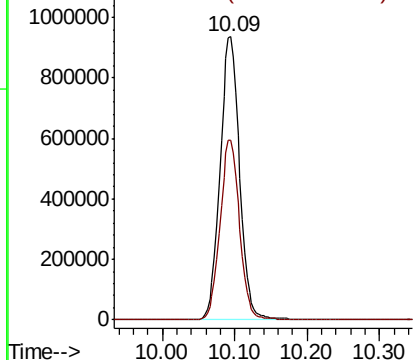


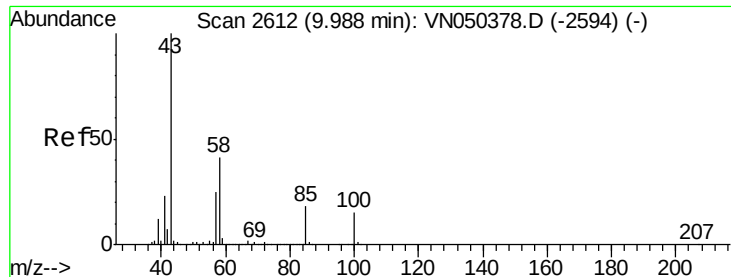
#50
Toluene-d8
Concen: 45.45 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Tgt Ion: 98 Resp: 1740746
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

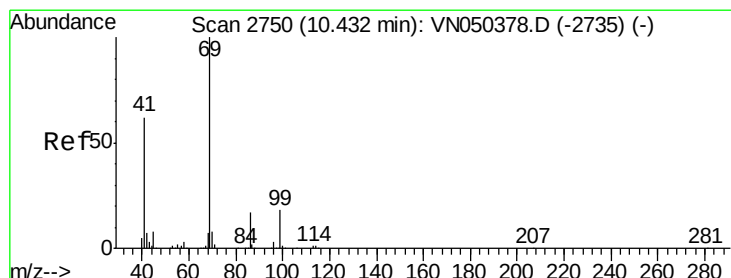
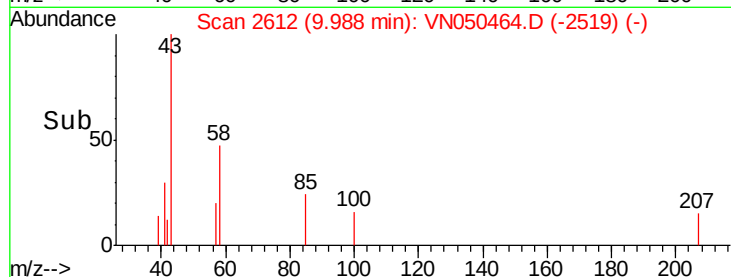
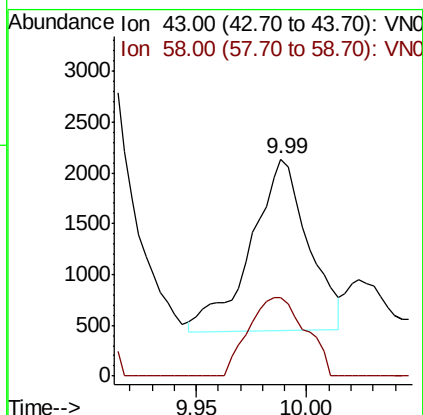
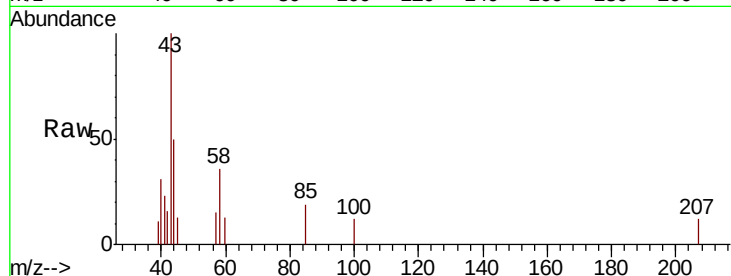




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

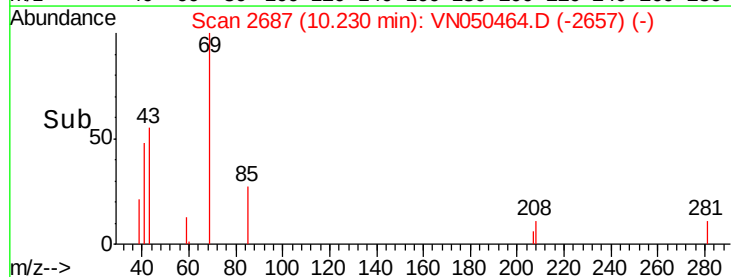
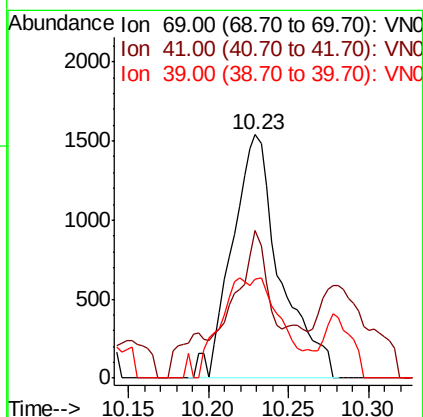
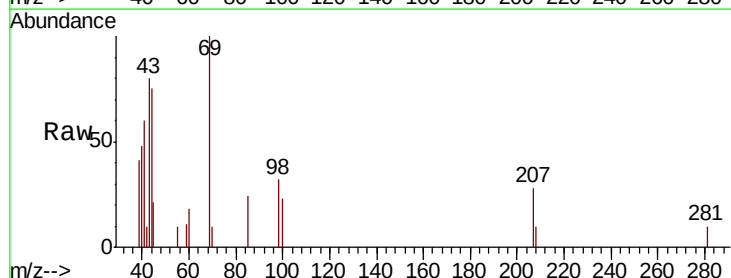
Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#04

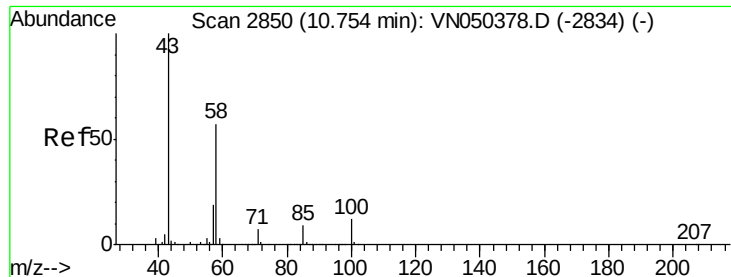
Tot Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
58 45.6 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.92 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Tgt Ion: 69 Resp: 3152
Ion Ratio Lower Upper
69 100
41 27.1 51.0 76.4#
39 26.9 26.6 40.0





#59

2-Hexanone

Concen: 2.78 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

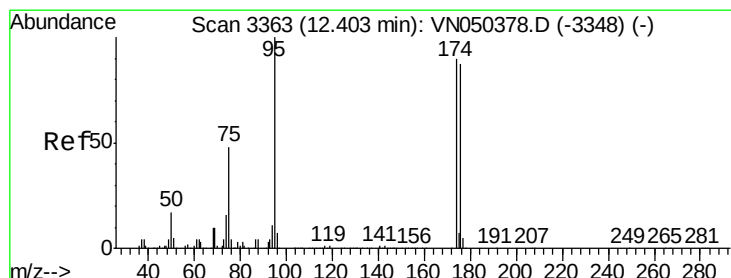
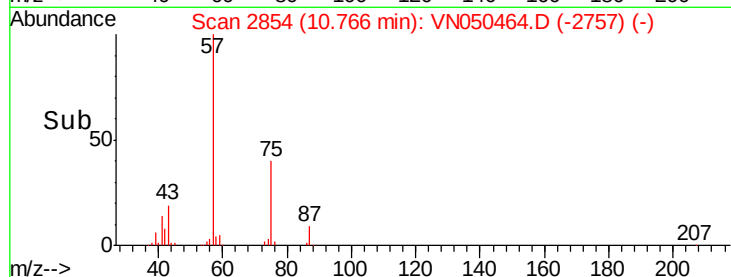
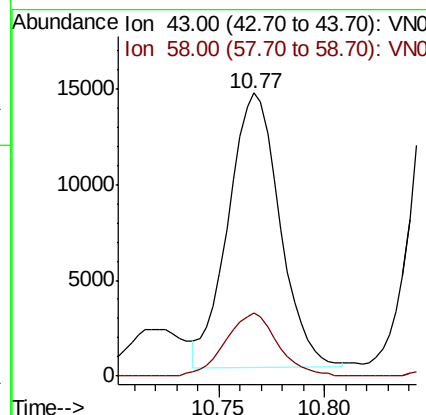
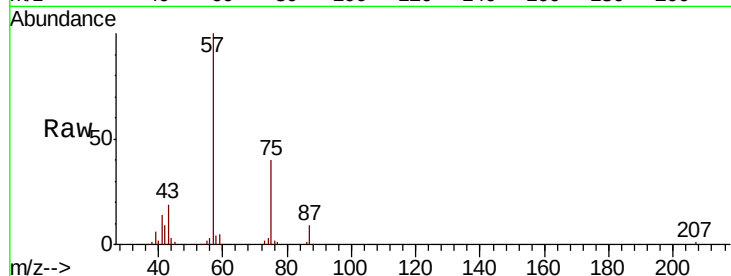
PB111846ZHE#04

Tot Ion: 43 Resp: 24192

Ion Ratio Lower Upper

43 100

58 23.4 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

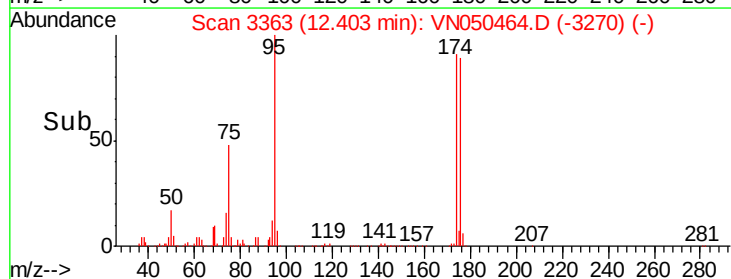
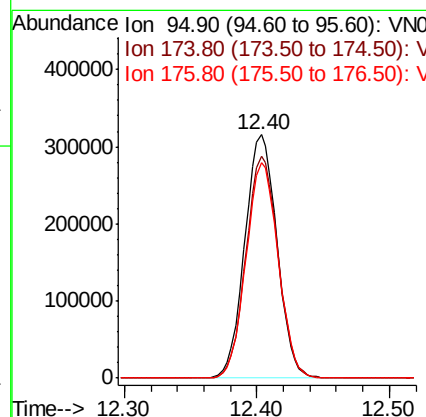
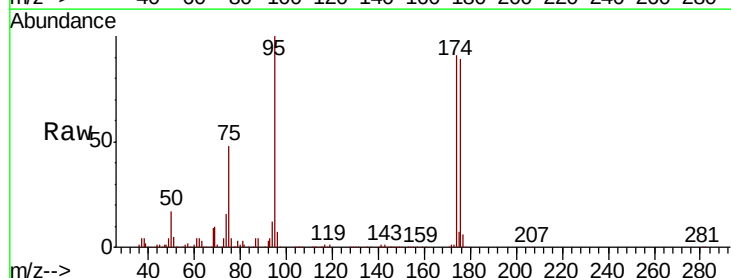
Tgt Ion: 95 Resp: 532023

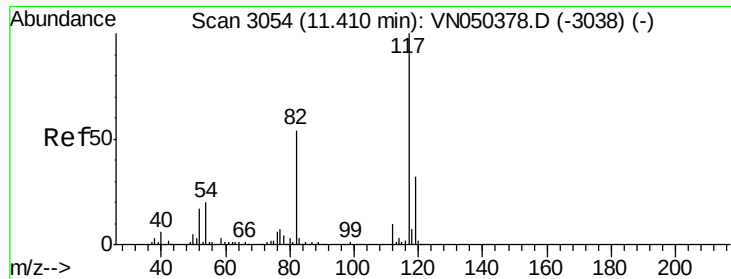
Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.2

176 88.6 0.0 173.4

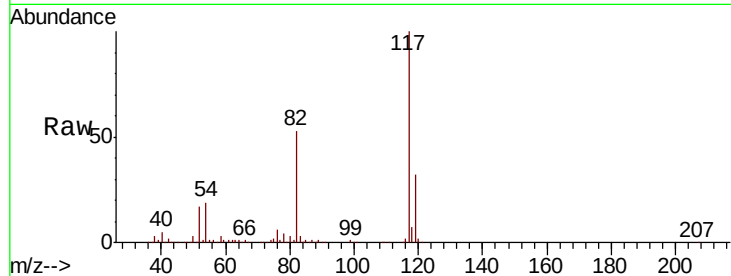




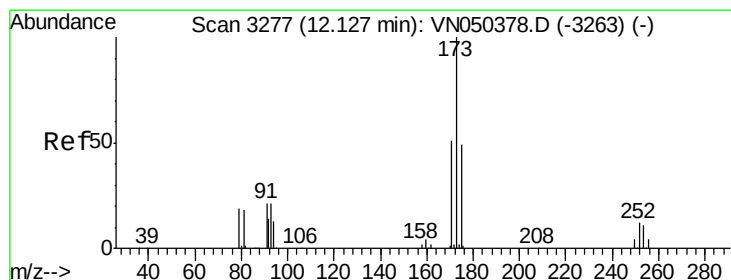
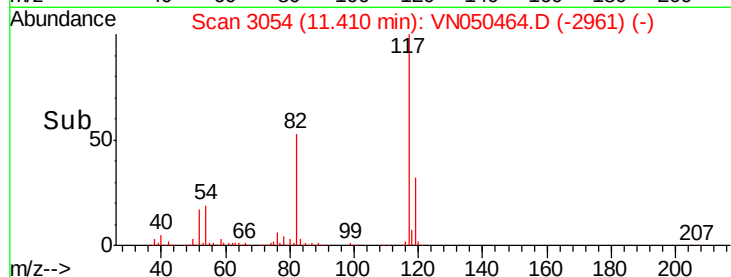
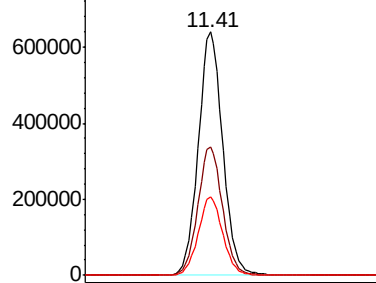
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#04

Tot Ion:117 Resp: 1110352
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.5 26.1 39.1

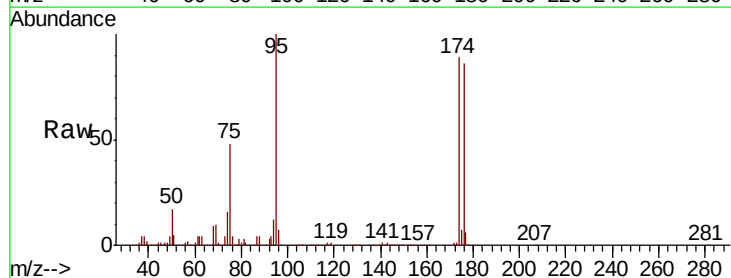


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

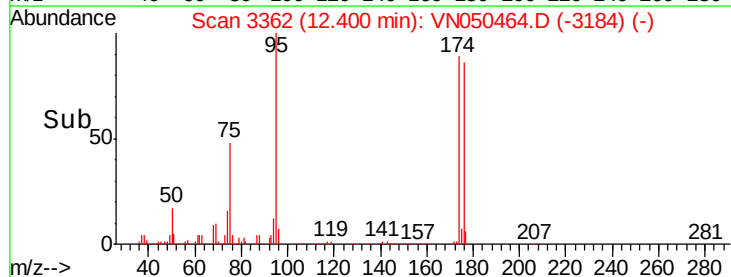
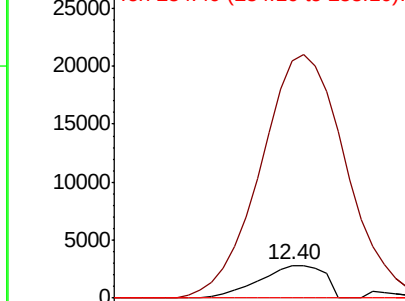


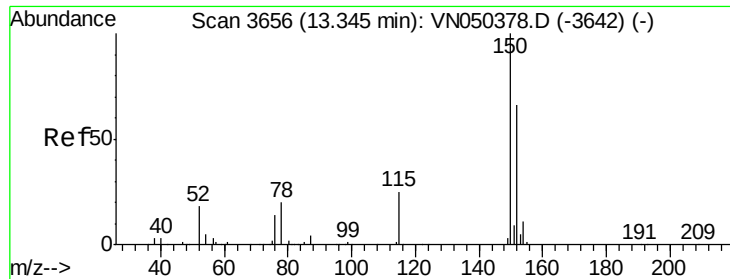
#71
Bromoform
Concen: 0.48 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050464.D
Acq: 8 Aug 2018 17:18

Tgt Ion:173 Resp: 3537
Ion Ratio Lower Upper
173 100
175 832.6 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: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#04

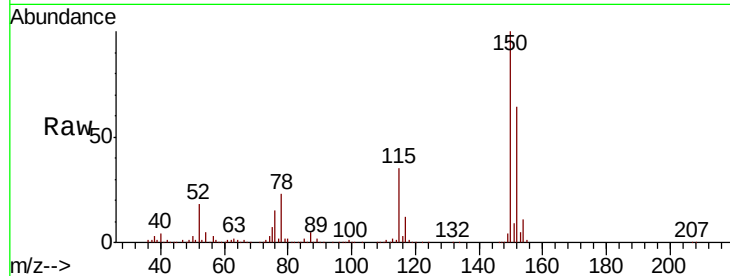
Tot Ion:152 Resp: 463277

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

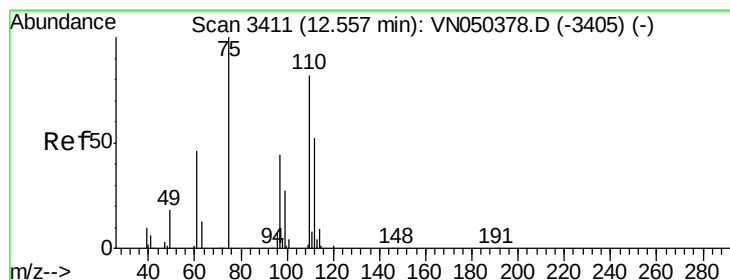
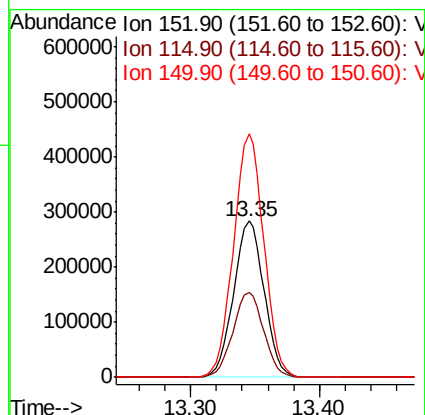
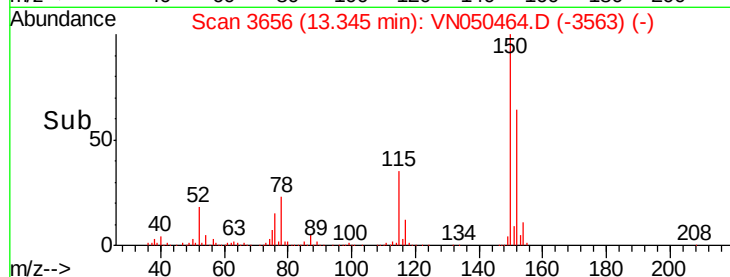
150 155.6 0.0 348.6



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: 30.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050464.D

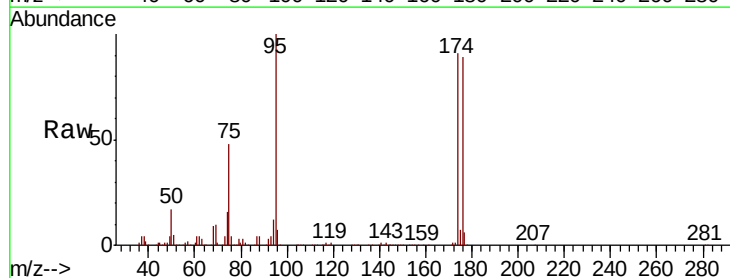
Acq: 8 Aug 2018 17:18

Tgt Ion: 75 Resp: 254339

Ion Ratio Lower Upper

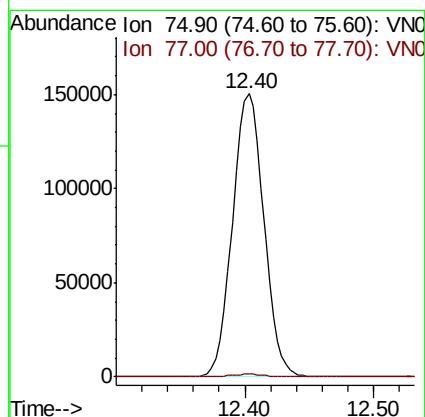
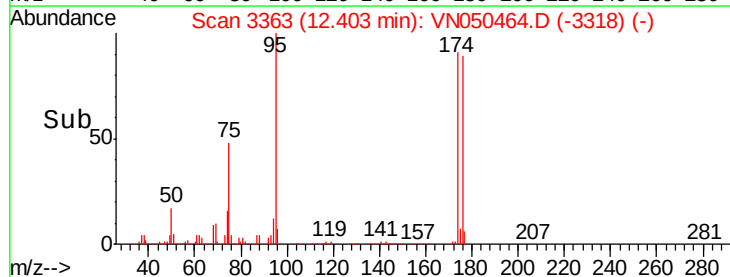
75 100

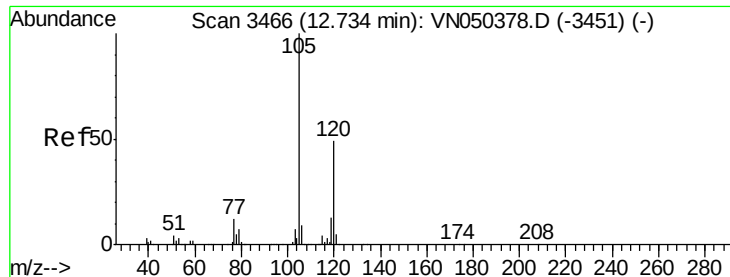
77 1.0 0.0 0.0#



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: 0.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

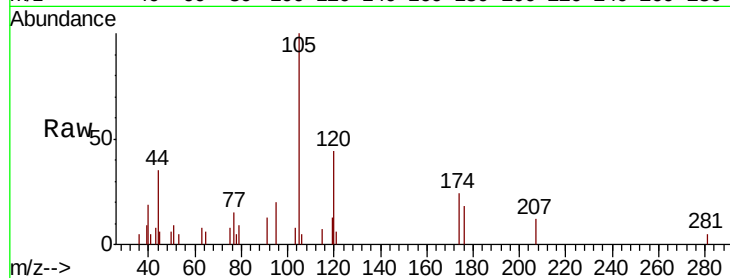
PB111846ZHE#04

Tot Ion:105 Resp: 5715

Ion Ratio Lower Upper

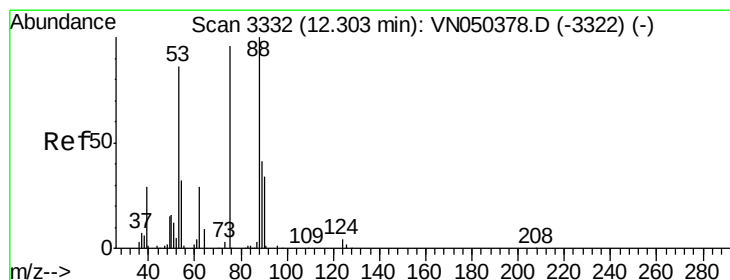
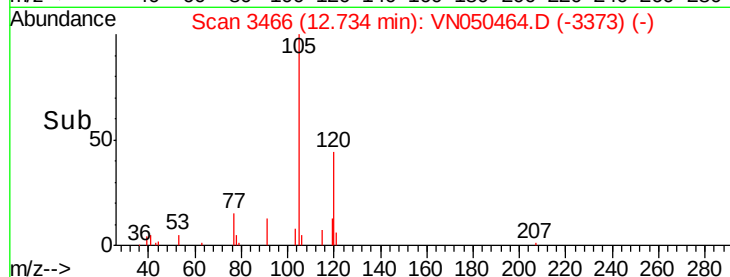
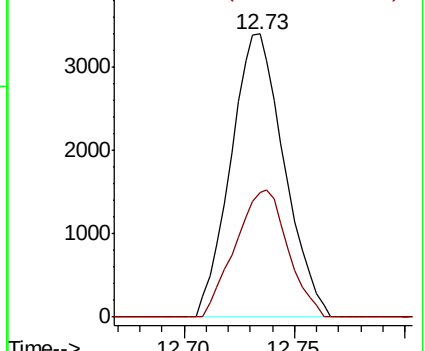
105 100

120 44.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 106.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

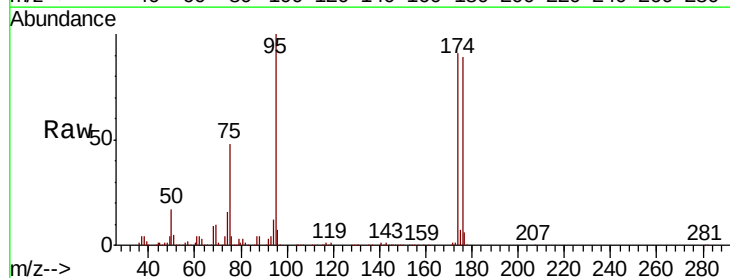
Tgt Ion: 75 Resp: 254339

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

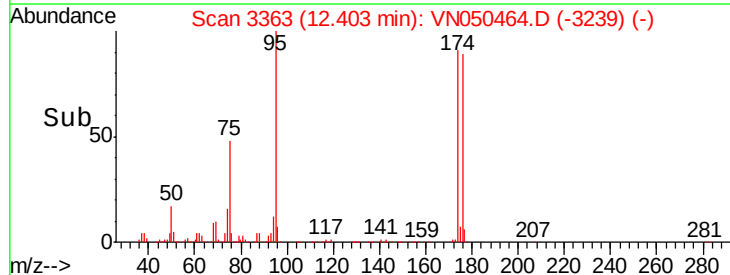
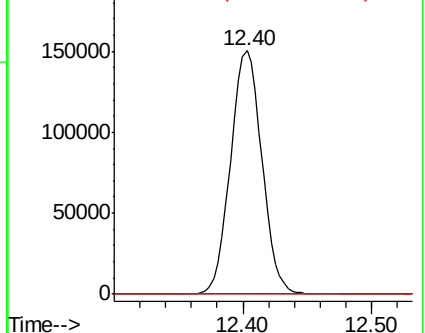
89 0.0 36.0 54.0#

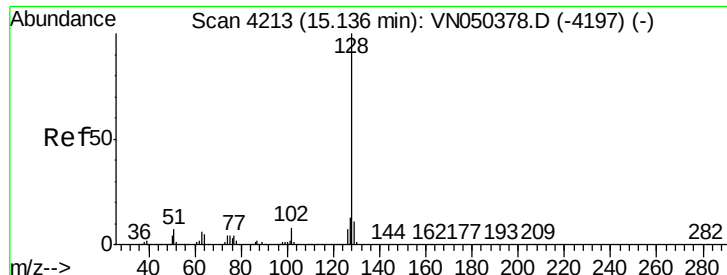


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.66 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050464.D

Acq: 8 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#04

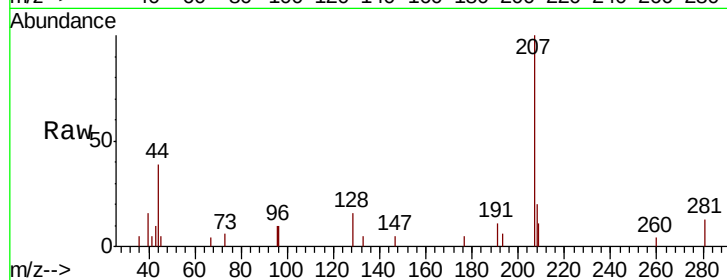
Tot Ion:128 Resp: 978

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

