

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050465.D
 Acq On : 8 Aug 2018 17:43
 Operator : MD\SY
 Sample : PB111846ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111846ZHE#05

Quant Time: Aug 09 00:58:05 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	803939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1261043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1105449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	465740	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	518832	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	7.59	113	465184	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
50) Toluene-d8	10.09	98	1720130	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
62) 4-Bromofluorobenzene	12.40	95	528945	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	

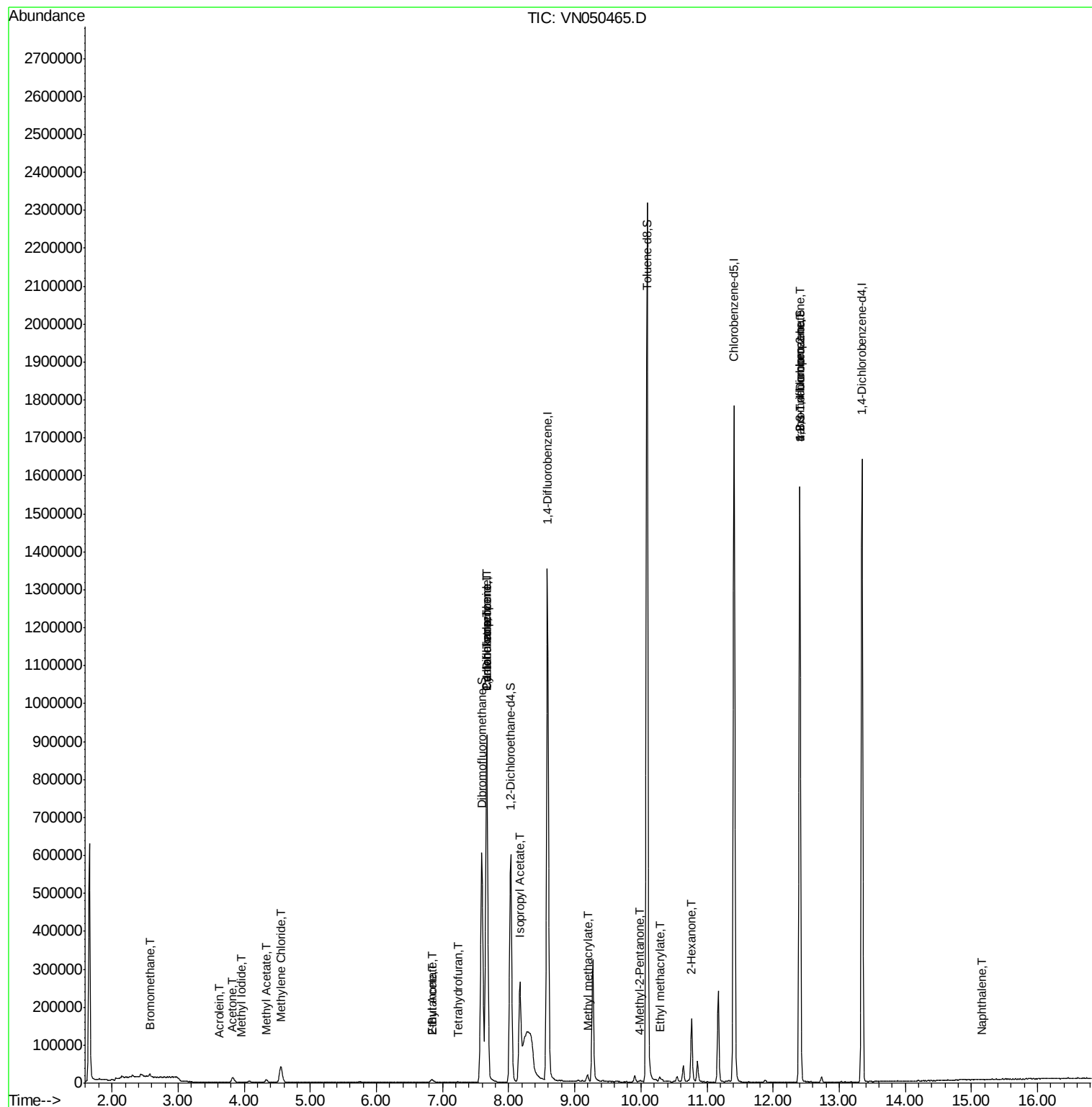
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3181	Below Cal		97
5) Bromomethane	2.57	94	4510	0.97 ug/l		84
10) Methyl Iodide	3.95	142	1626	0.40 ug/l #		66
13) Acrolein	3.62	56	30	15.05 ug/l #		1
16) Acetone	3.82	43	23218	6.90 ug/l		99
18) Methyl Acetate	4.34	43	12472	1.31 ug/l		94
20) Methylene Chloride	4.55	84	33762	1.96 ug/l		97
25) 2-Butanone	6.84	43	1867	0.35 ug/l		96
29) Tetrahydrofuran	7.22	42	1482	0.52 ug/l #		63
31) Cyclohexane	7.67	56	14016	0.28 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	52430	3.78 ug/l #		49
37) Ethyl Acetate	6.85	43	2464	0.25 ug/l #		67
38) Carbon Tetrachloride	7.67	117	70962	4.91 ug/l #		17
43) Isopropyl Acetate	8.17	43	342337	19.87 ug/l		97
48) Methyl methacrylate	9.18	41	8931	1.03 ug/l #		22
51) 4-Methyl-2-Pentanone	9.99	43	3461	0.28 ug/l #		84
56) Ethyl methacrylate	10.27	69	161	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	23317	2.69 ug/l #		57
76) 1,2,3-Trichloropropane	12.40	75	253965	30.13 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	253965	105.85 ug/l #		13
95) Naphthalene	15.14	128	484	3.64 ug/l #		69

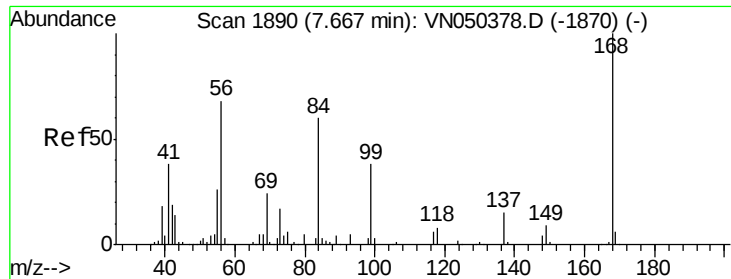
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. 0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

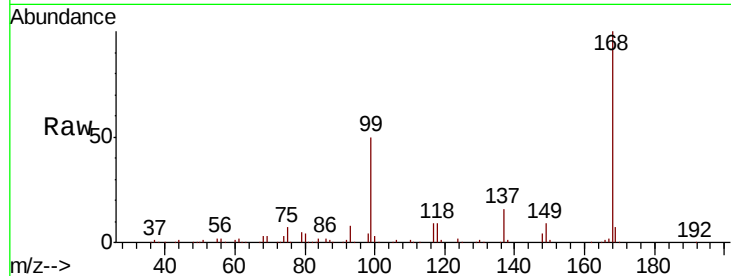
PB111846ZHE#05

Tot Ion:168 Resp: 803939

Ion Ratio Lower Upper

168 100

99 49.8 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

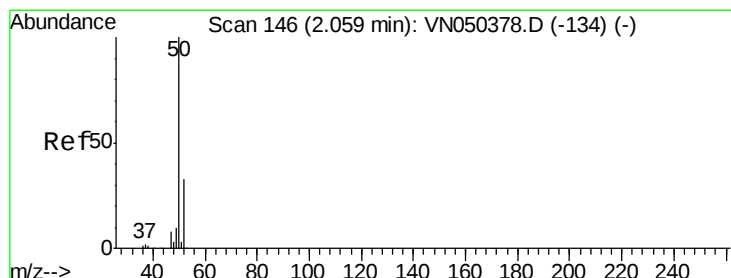
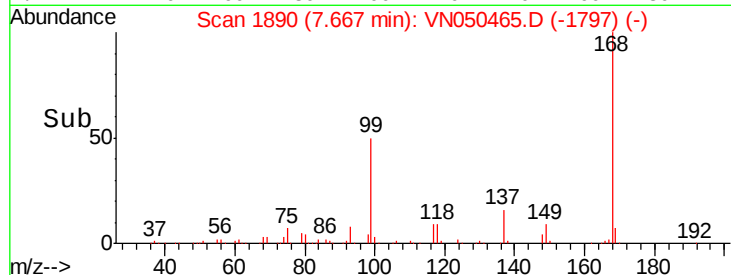
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050465.D

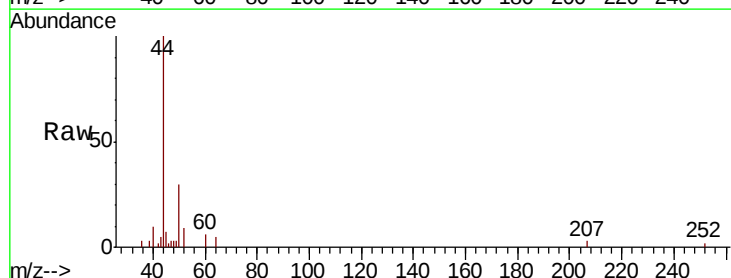
Acq: 8 Aug 2018 17:43

Tgt Ion: 50 Resp: 3181

Ion Ratio Lower Upper

50 100

52 30.5 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

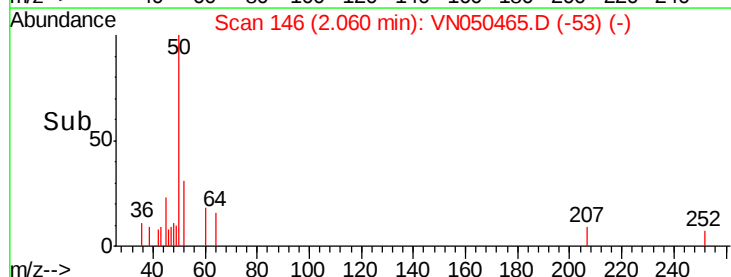
1500

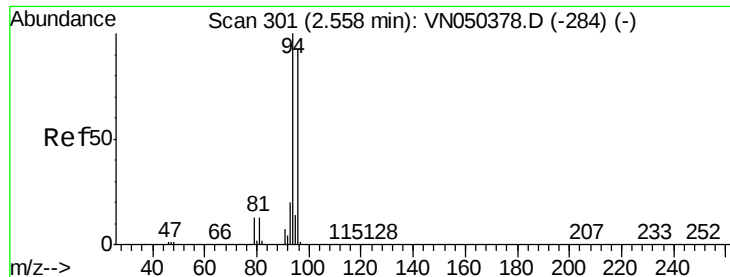
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.97 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

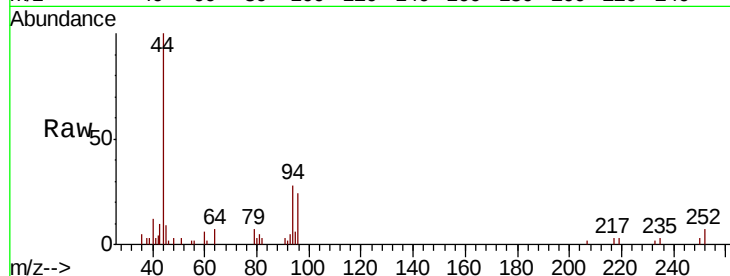
PB111846ZHE#05

Tot Ion: 94 Resp: 4510

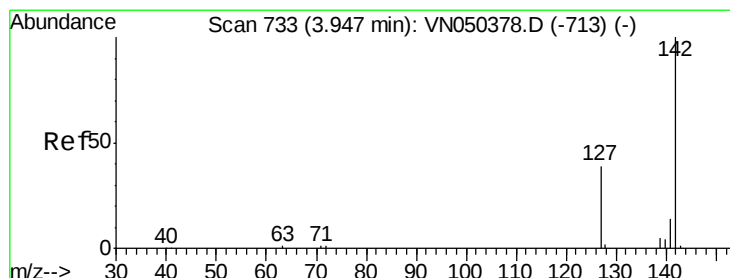
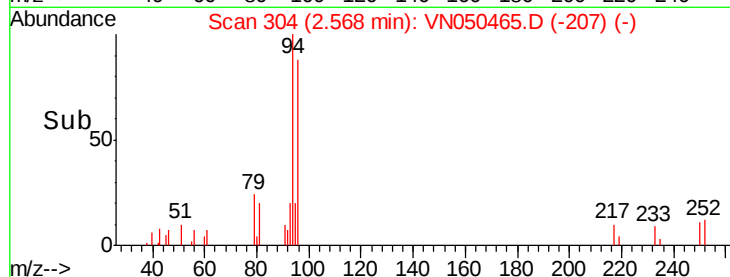
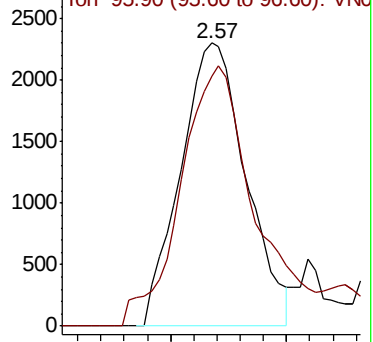
Ion Ratio Lower Upper

94 100

96 78.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.40 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

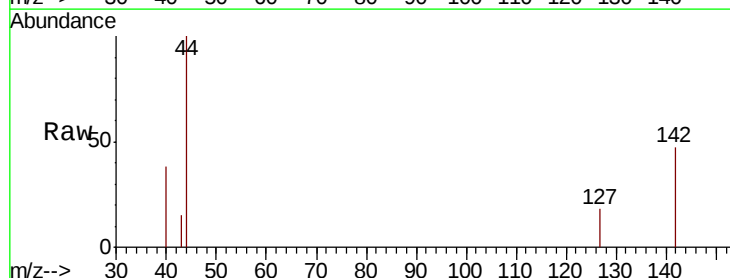
Tgt Ion: 142 Resp: 1626

Ion Ratio Lower Upper

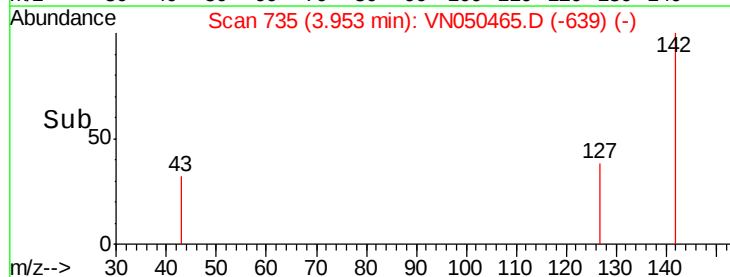
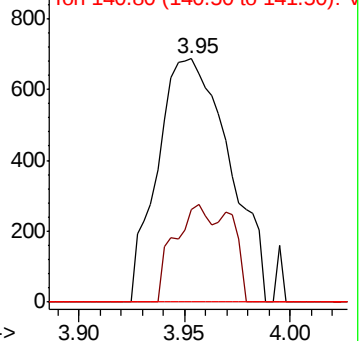
142 100

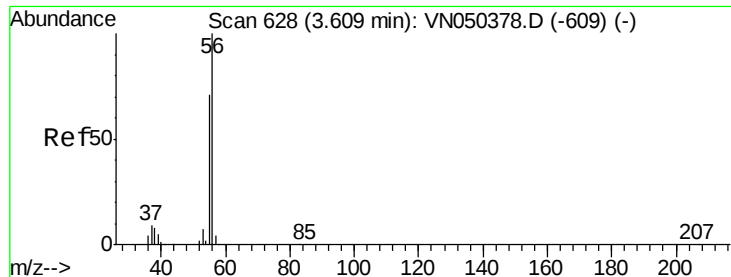
127 20.4 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)





#13

Acrolein

Concen: 15.05 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

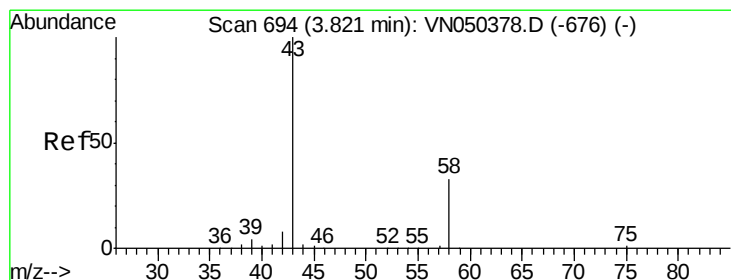
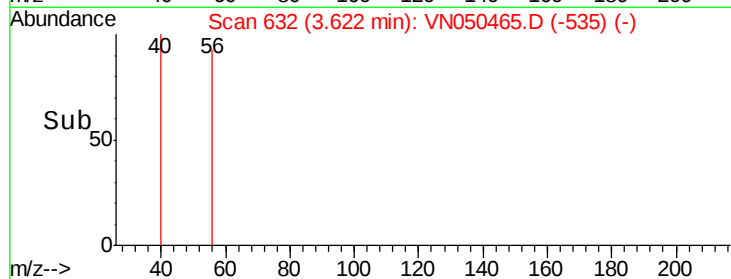
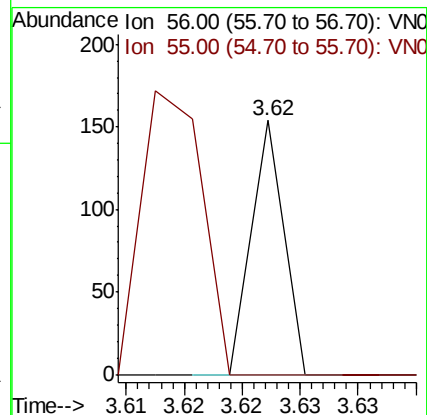
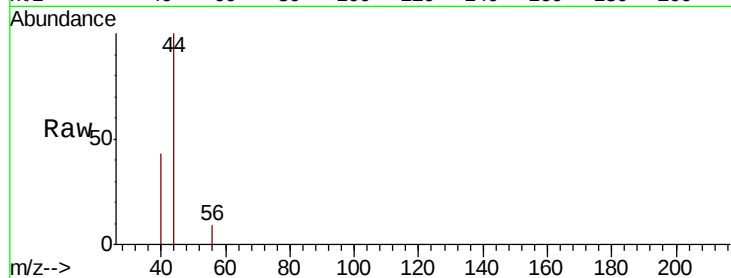
PB111846ZHE#05

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 210.0 55.8 83.6#



#16

Acetone

Concen: 6.90 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050465.D

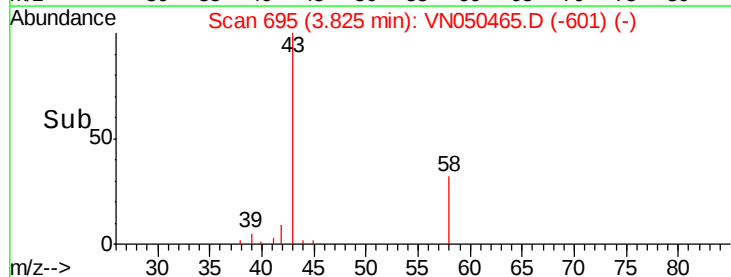
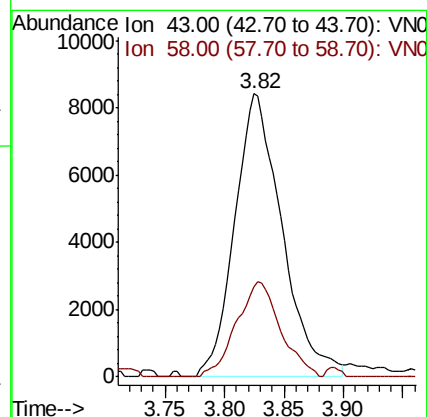
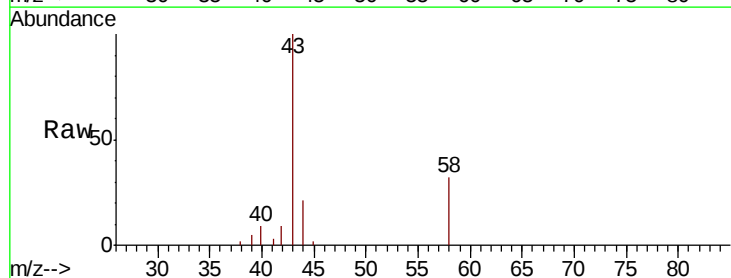
Acq: 8 Aug 2018 17:43

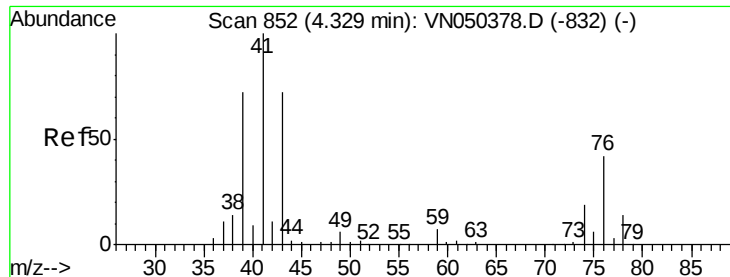
Tgt Ion: 43 Resp: 23218

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.8

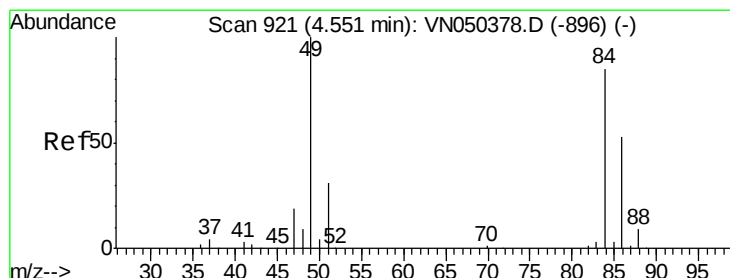
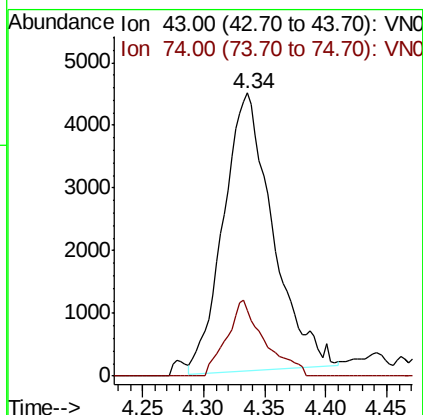
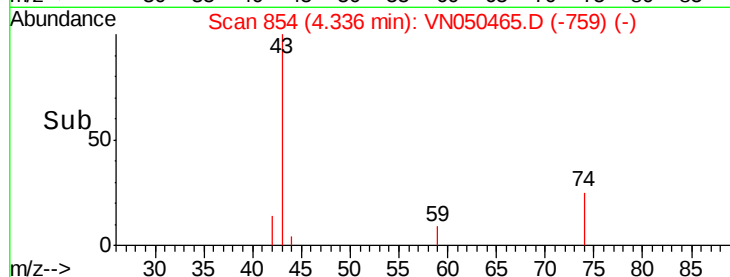
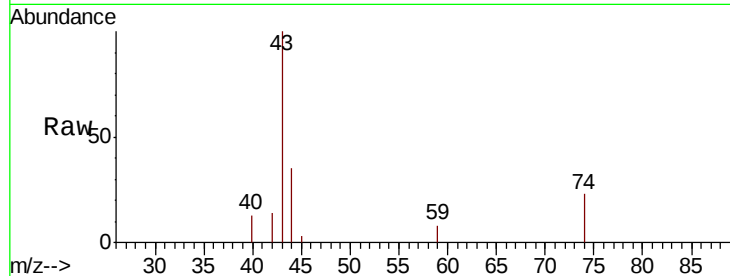




#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

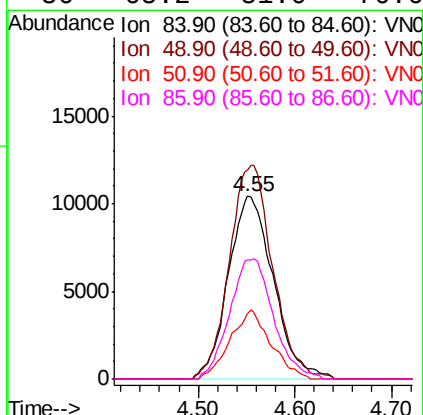
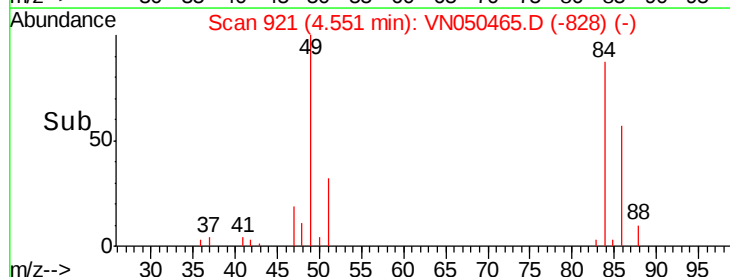
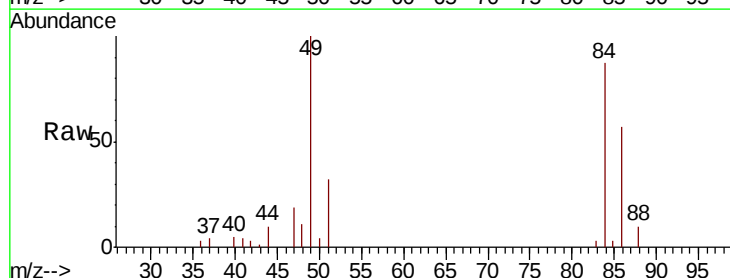
Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#05

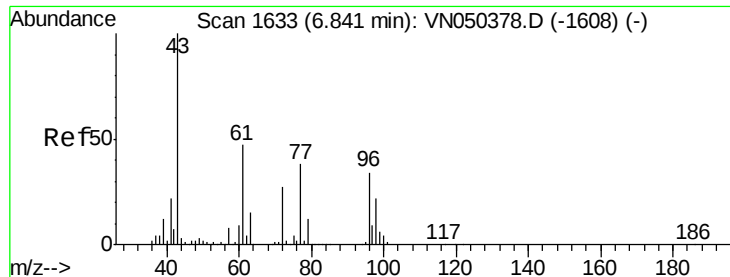
Tot Ion: 43 Resp: 12472
Ion Ratio Lower Upper
43 100
74 20.9 19.2 28.8



#20
Methylene Chloride
Concen: 1.96 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Tgt Ion: 84 Resp: 33762
Ion Ratio Lower Upper
84 100
49 114.5 94.8 142.2
51 36.1 28.3 42.5
86 65.2 51.0 76.6





#25

2-Butanone

Concen: 0.35 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

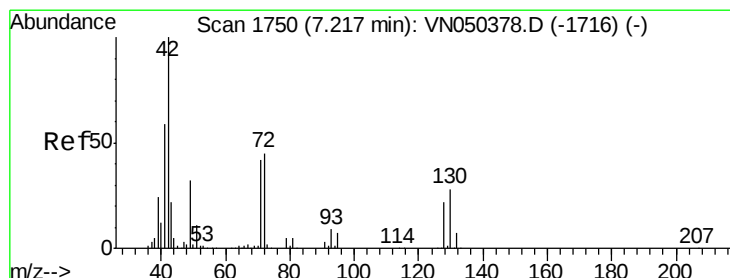
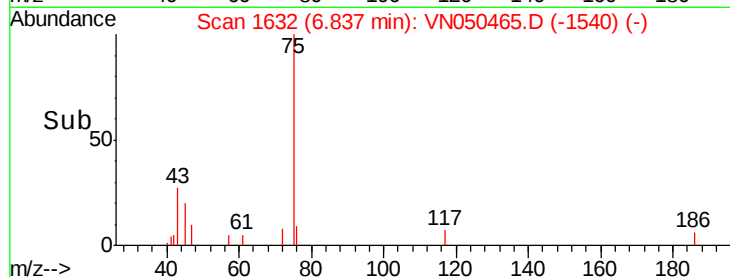
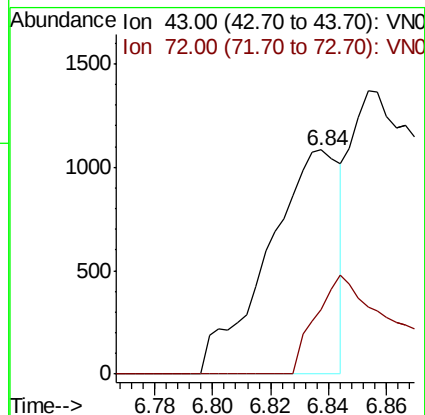
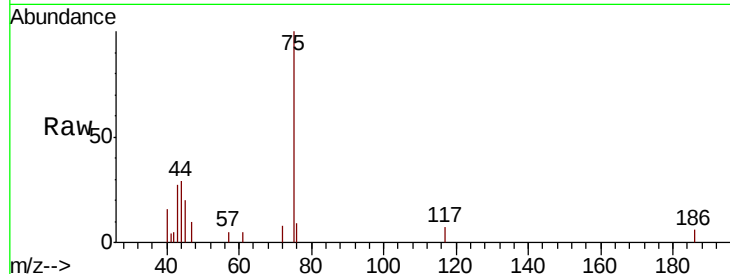
PB111846ZHE#05

Tot Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

72 28.8 21.5 32.3



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

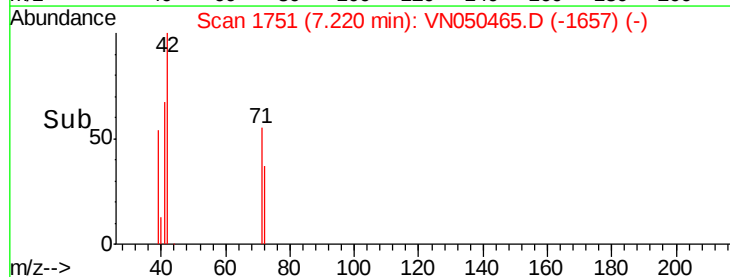
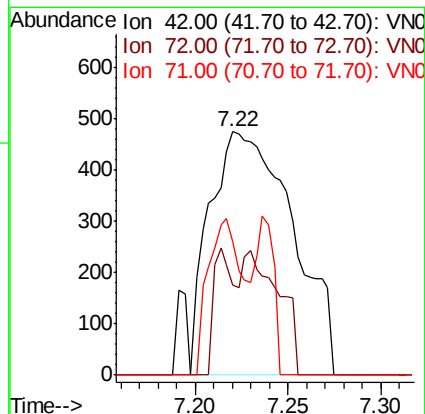
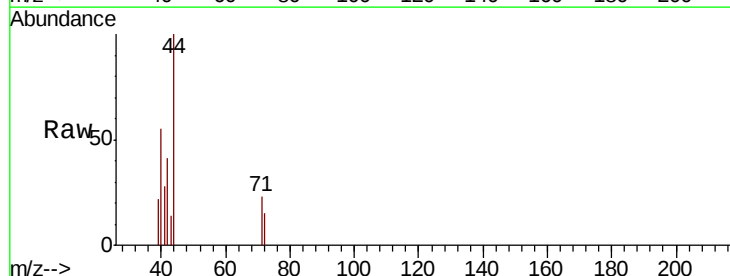
Tgt Ion: 42 Resp: 1482

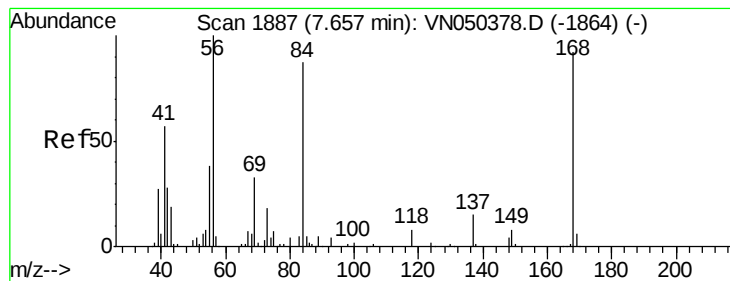
Ion Ratio Lower Upper

42 100

72 13.4 35.9 53.9#

71 26.9 33.7 50.5#





#31

Cyclohexane

Concen: 0.28 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

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ClientSampleId :

PB111846ZHE#05

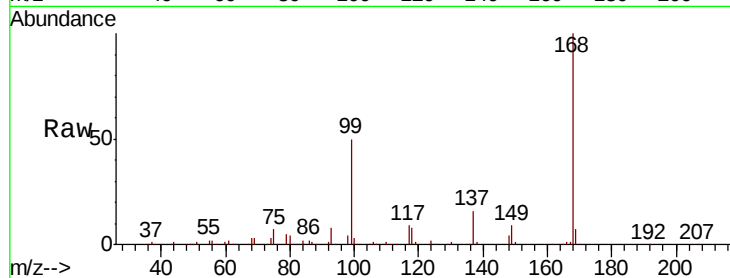
Tot Ion: 56 Resp: 14016

Ion Ratio Lower Upper

56 100

69 186.9 26.2 39.4#

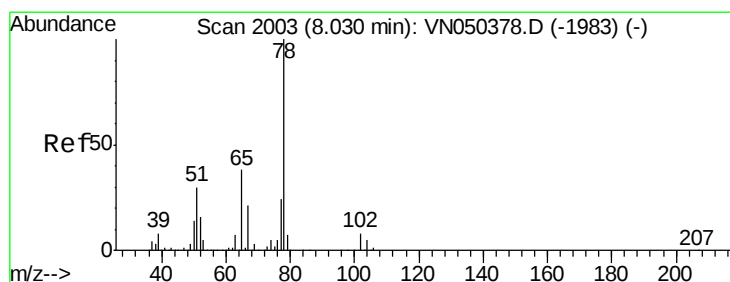
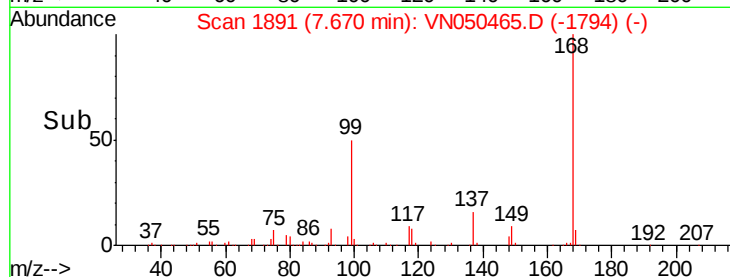
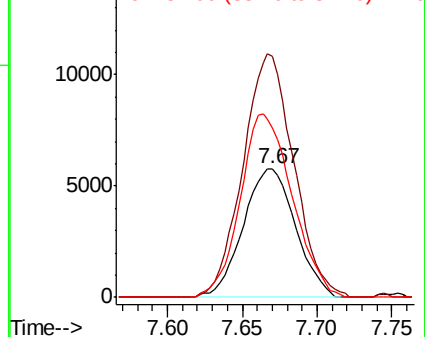
84 131.2 67.4 101.0#



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: 48.30 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050465.D

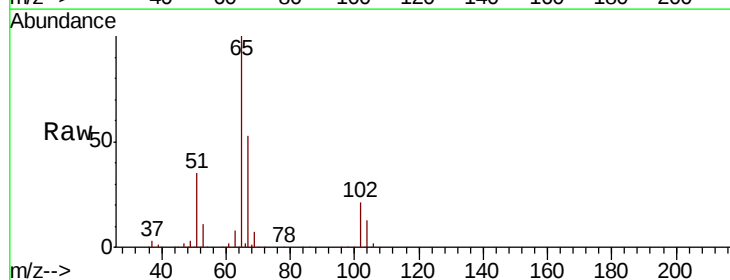
Acq: 8 Aug 2018 17:43

Tgt Ion: 65 Resp: 518832

Ion Ratio Lower Upper

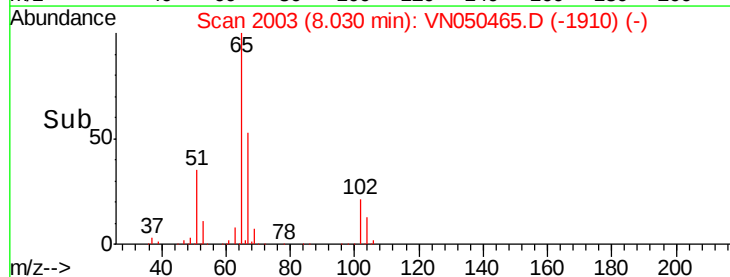
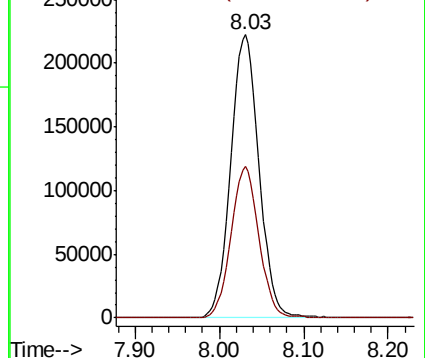
65 100

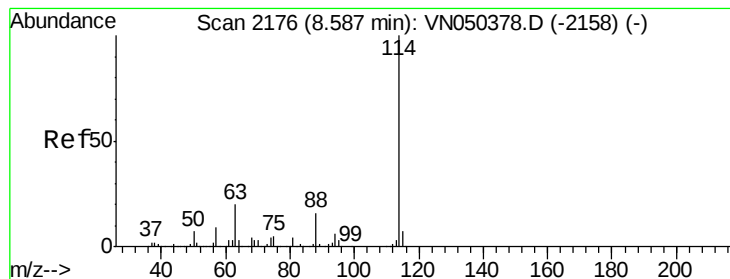
67 52.8 0.0 108.4



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: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#05

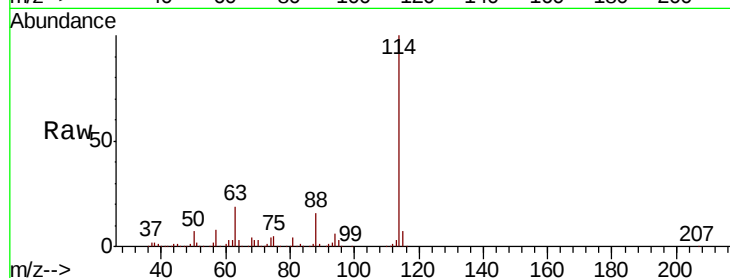
Tot Ion:114 Resp: 1261043

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

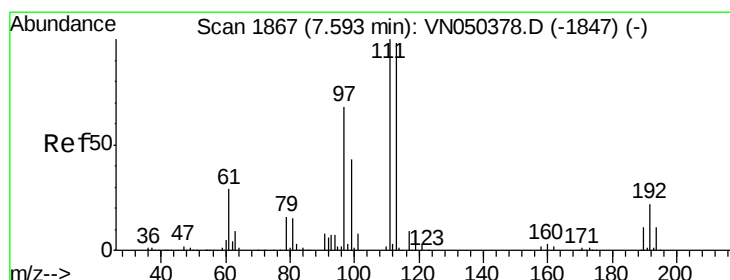
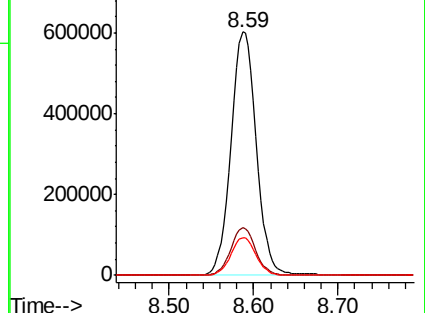
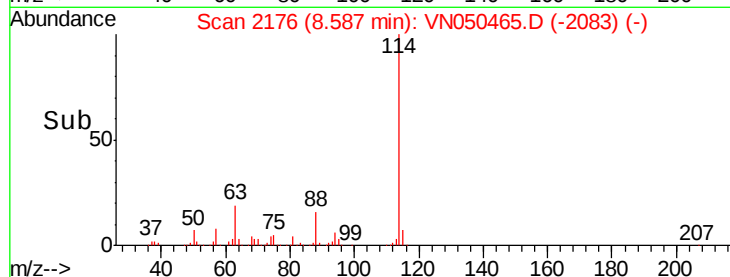
88 15.5 0.0 31.2



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: 45.97 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

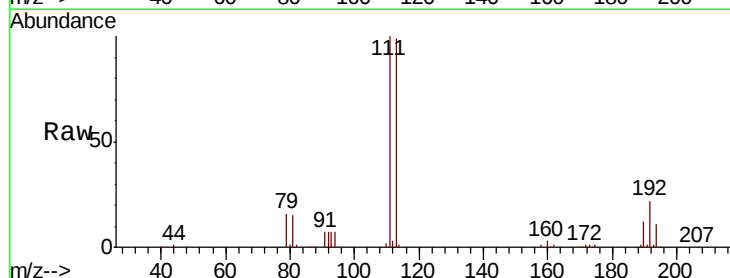
Tgt Ion:113 Resp: 465184

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

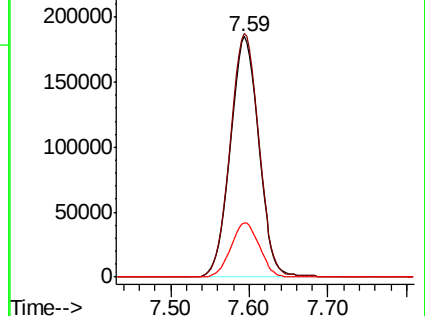
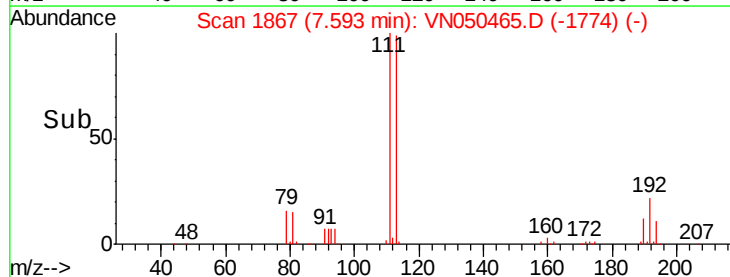
192 22.6 17.8 26.6

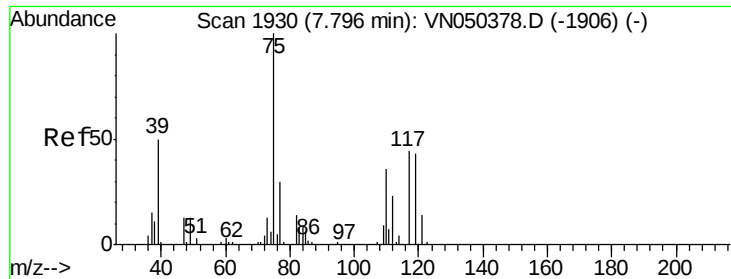


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

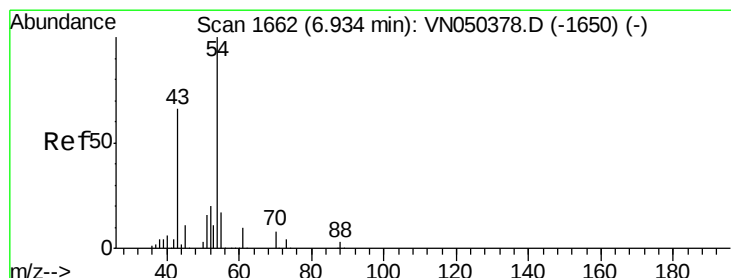
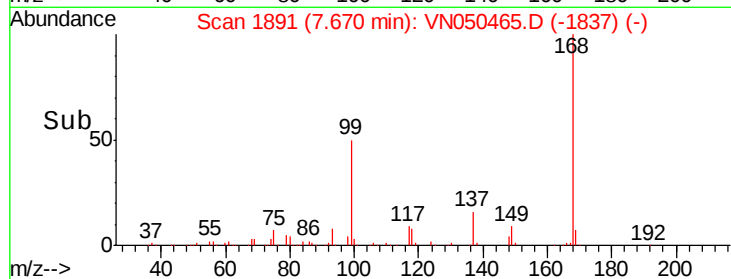
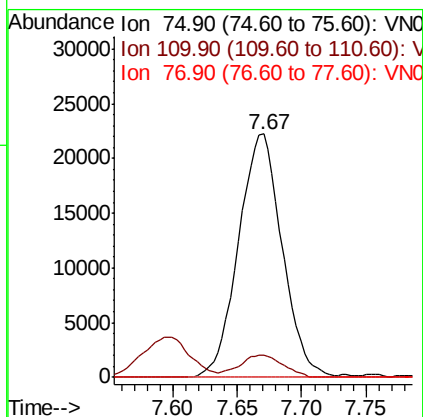
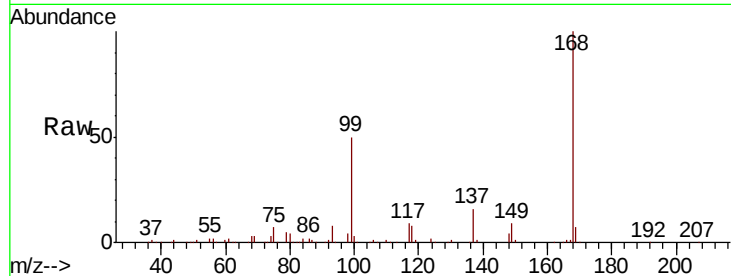




#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050465.D
 Acq: 8 Aug 2018 17:43

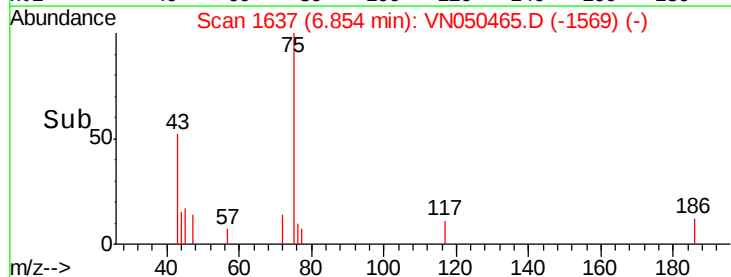
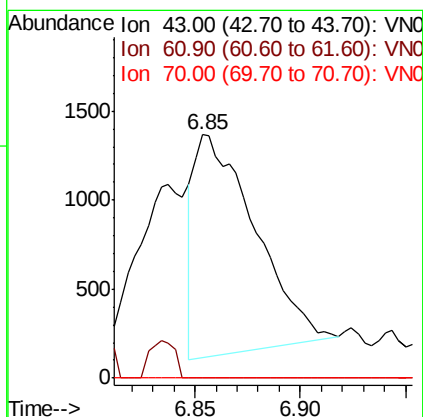
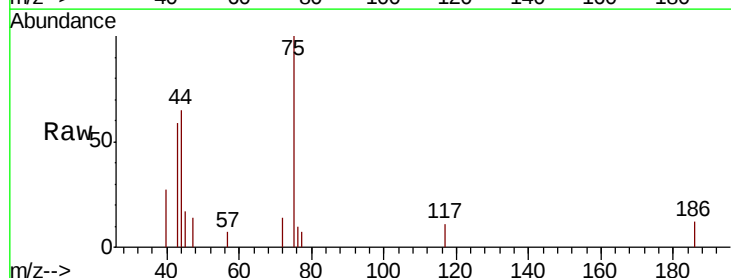
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111846ZHE#05

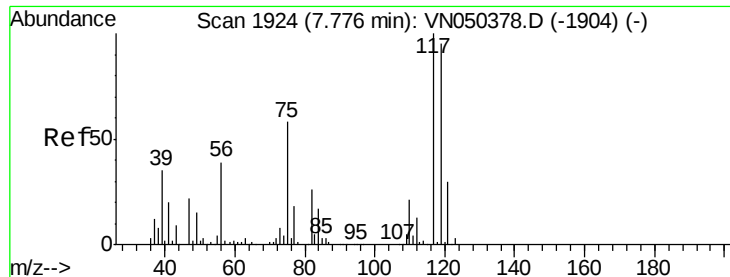
Tot Ion: 75 Resp: 52430
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 0.25 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. -0.08 min
 Lab File: VN050465.D
 Acq: 8 Aug 2018 17:43

Tgt Ion: 43 Resp: 2464
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 4.91 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#05

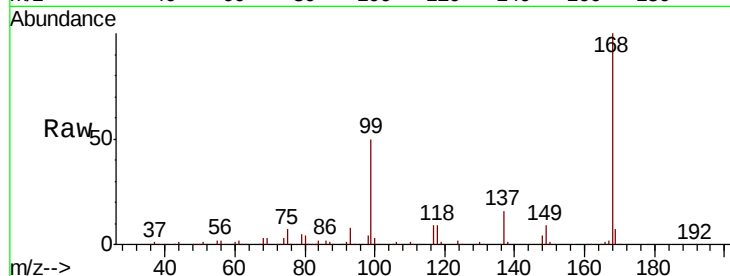
Tot Ion:117 Resp: 70962

Ion Ratio Lower Upper

117 100

119 6.6 77.4 116.0#

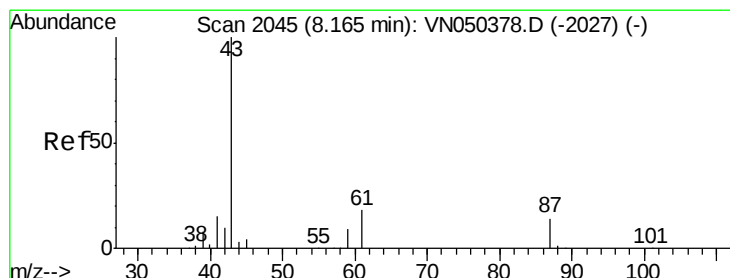
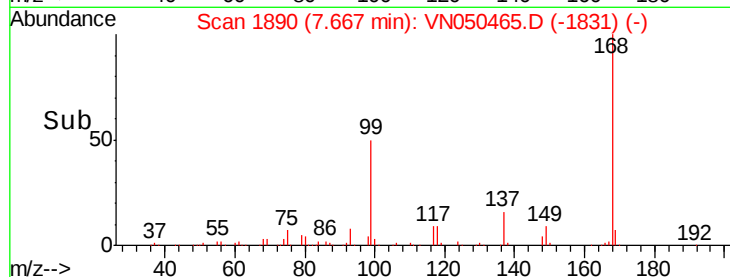
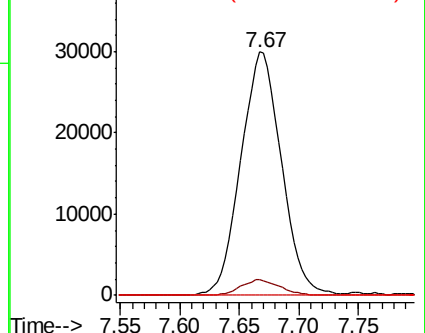
121 0.0 23.9 35.9#



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: 19.87 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

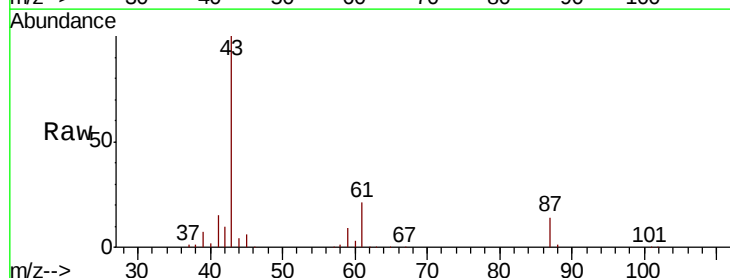
Tgt Ion: 43 Resp: 342337

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.6

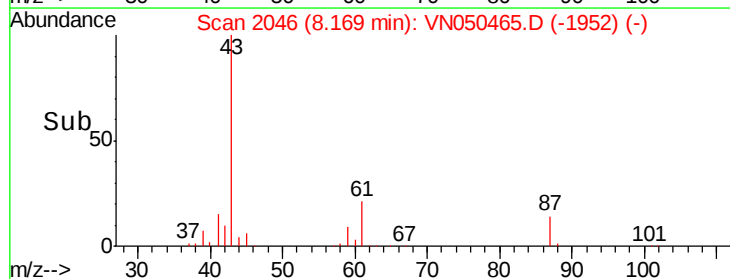
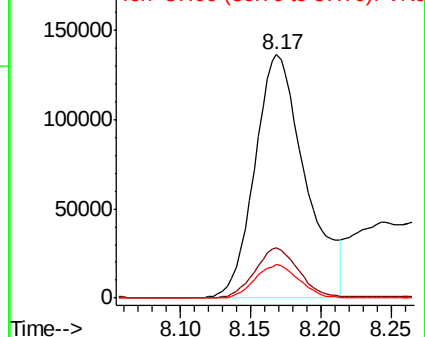
87 12.0 10.3 15.5

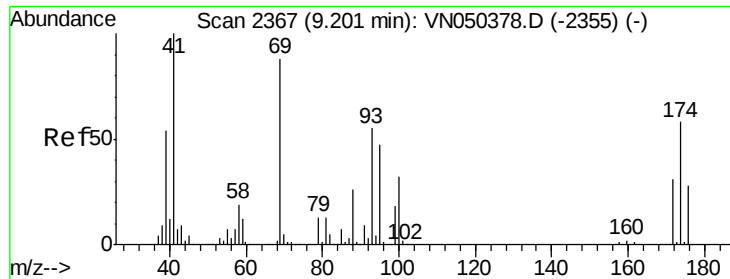


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

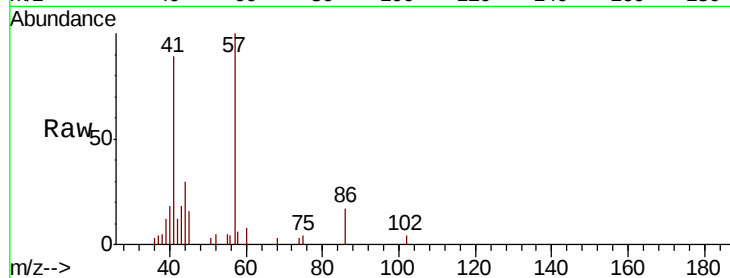




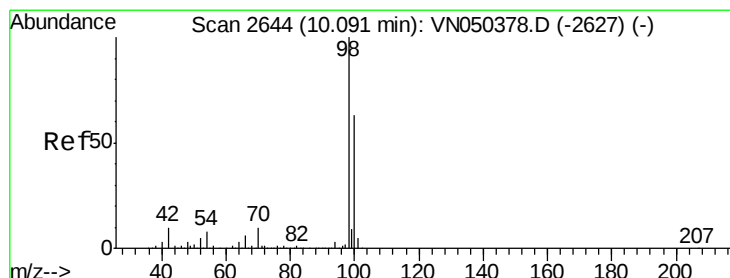
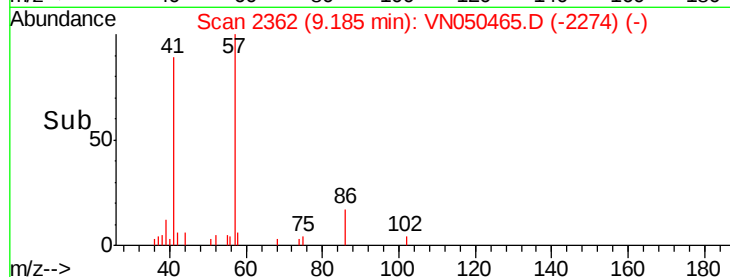
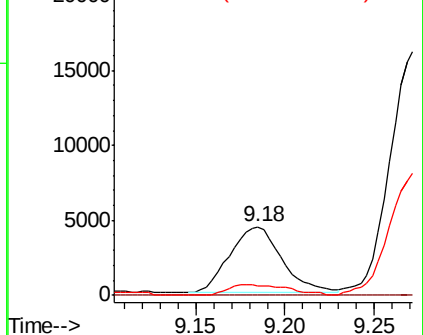
#48
Methvl methacrylate
Concen: 1.03 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#05

Tot Ion: 41 Resp: 8931
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 18.6 43.9 65.9#

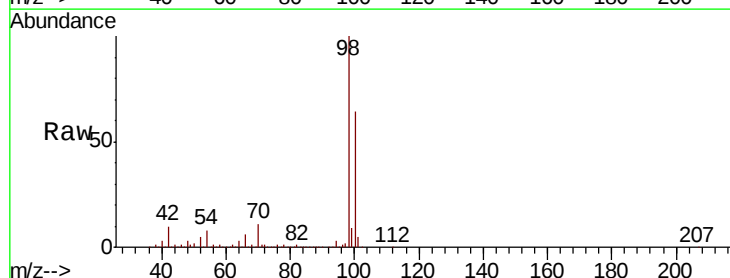


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

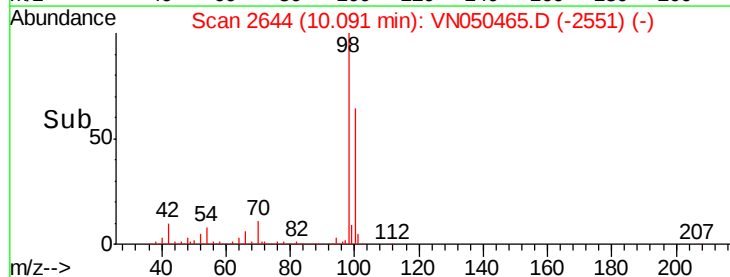
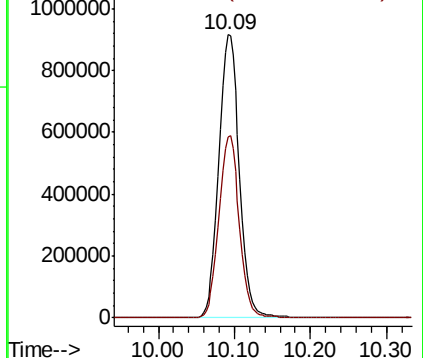


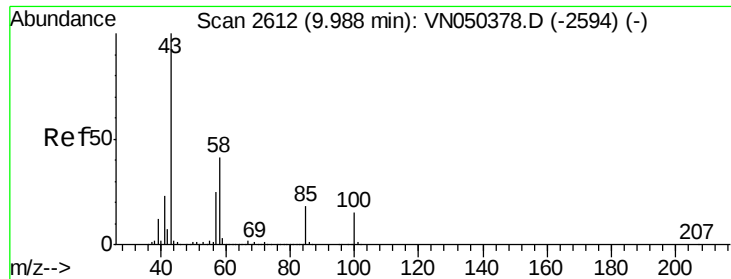
#50
Toluene-d8
Concen: 45.21 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Tgt Ion: 98 Resp: 1720130
Ion Ratio Lower Upper
98 100
100 64.0 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: 0.28 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

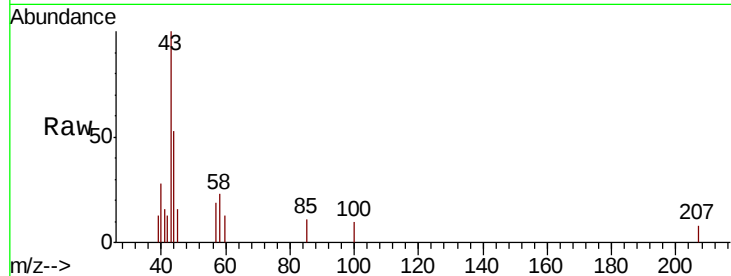
PB111846ZHE#05

Tot Ion: 43 Resp: 3461

Ion Ratio Lower Upper

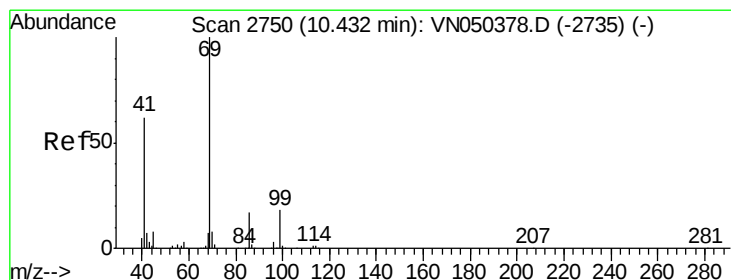
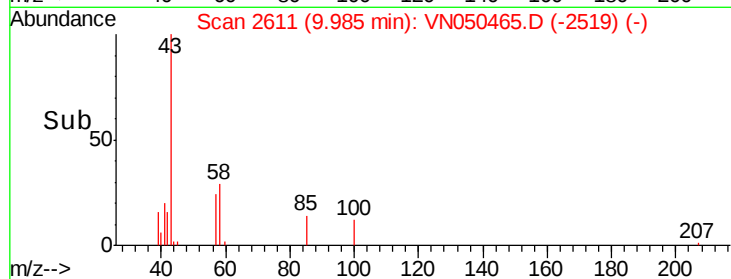
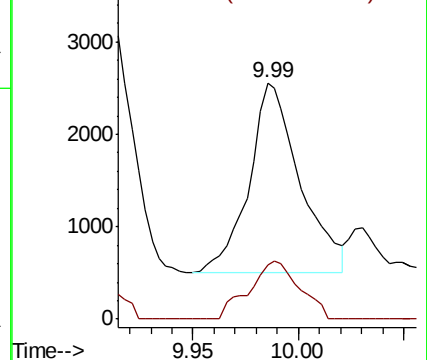
43 100

58 30.1 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: 1.72 ug/l

RT: 10.27 min Scan# 2701

Delta R.T. -0.16 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

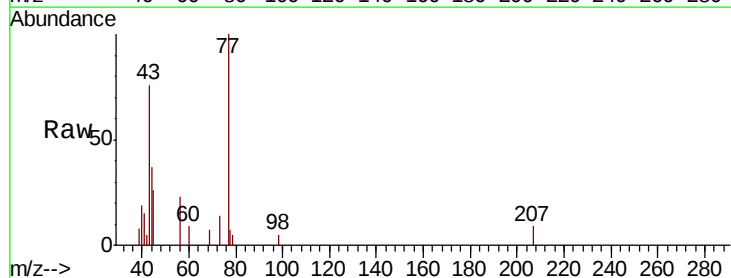
Tgt Ion: 69 Resp: 161

Ion Ratio Lower Upper

69 100

41 388.8 51.0 76.4#

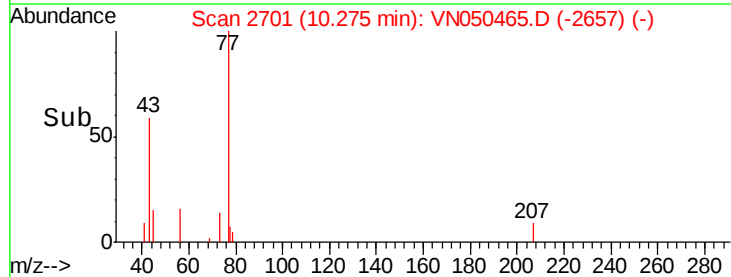
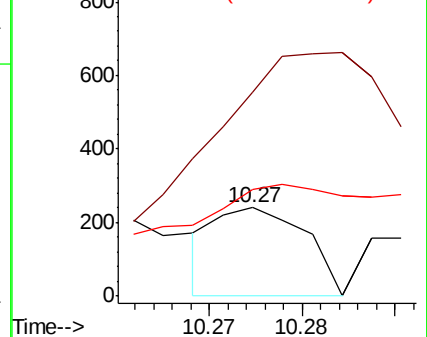
39 431.7 26.6 40.0#

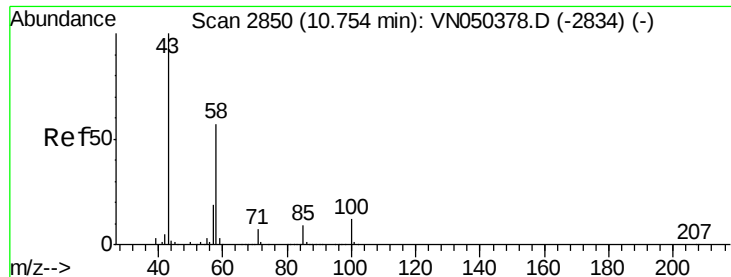


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

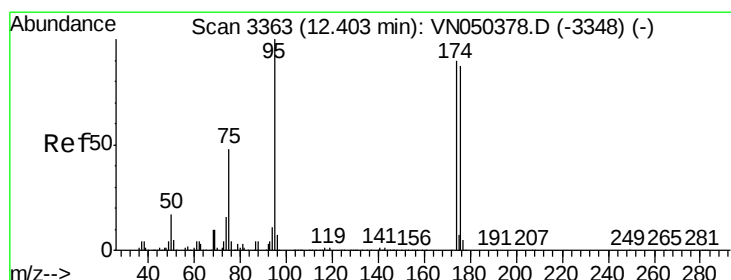
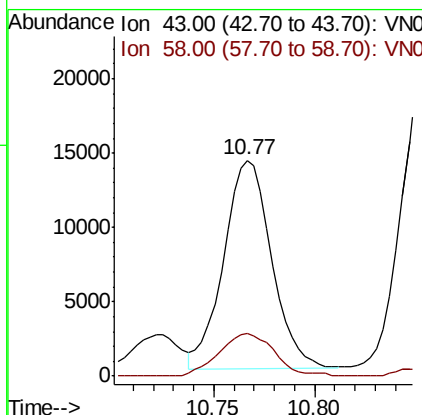
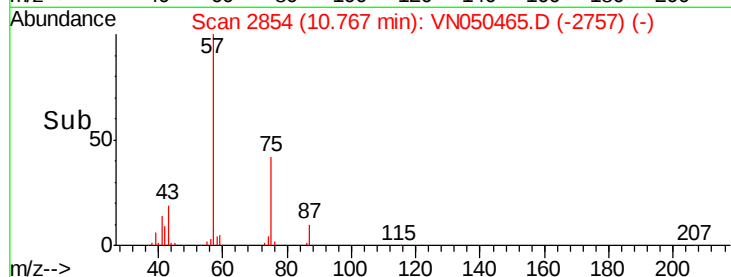
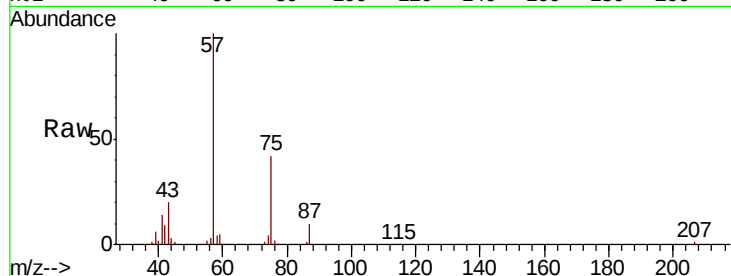




#59
2-Hexanone
Concen: 2.69 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

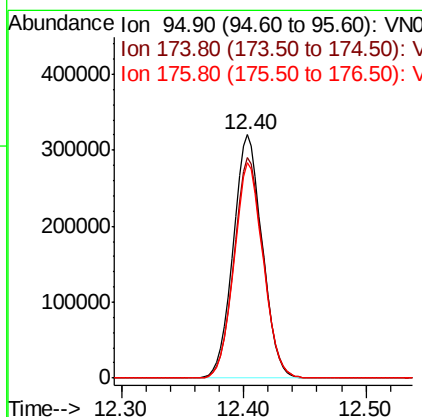
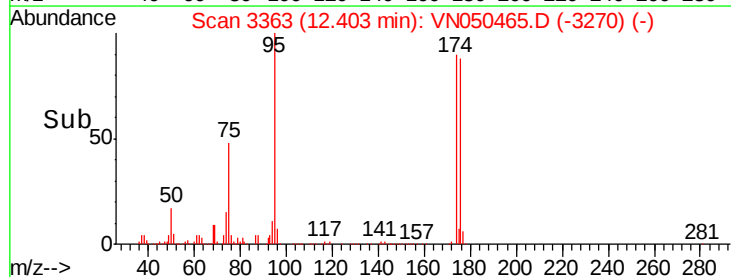
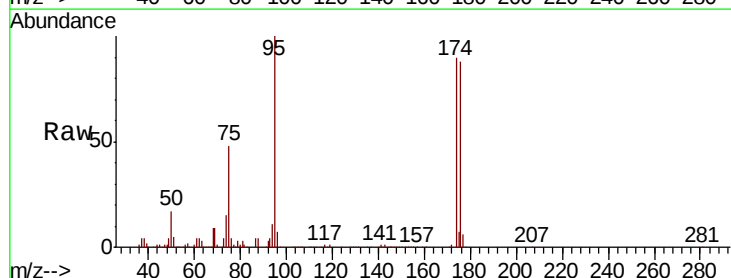
Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#05

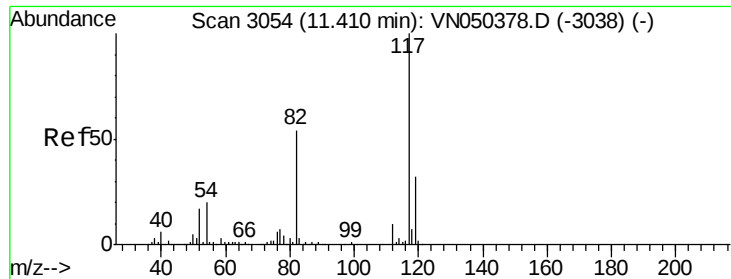
Tot Ion: 43 Resp: 23317
Ion Ratio Lower Upper
43 100
58 23.7 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 40.79 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Tgt Ion: 95 Resp: 528945
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 88.3 0.0 173.4

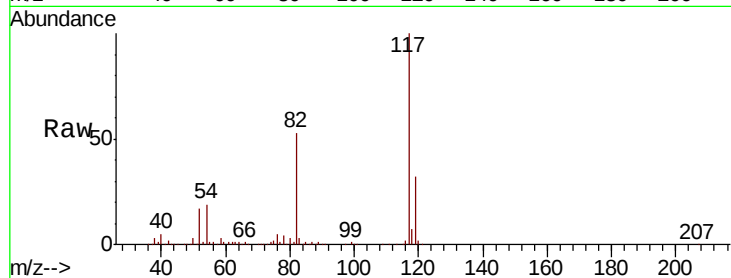




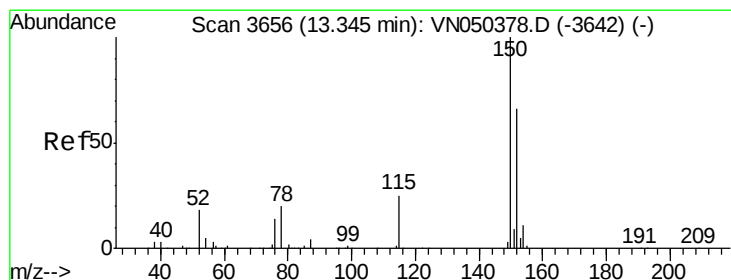
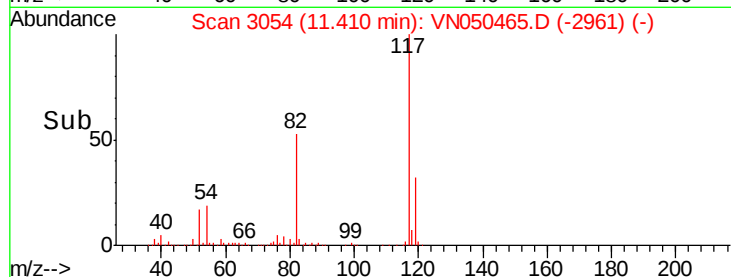
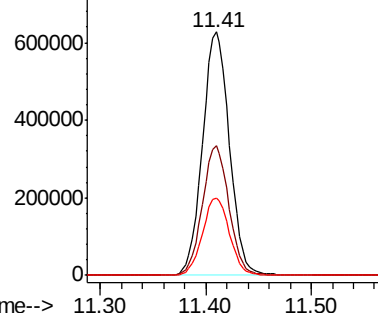
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
PB111846ZHE#05

Tot Ion:117 Resp: 1105449
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.9 26.1 39.1

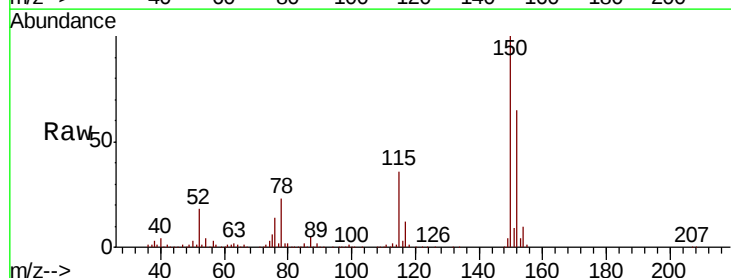


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

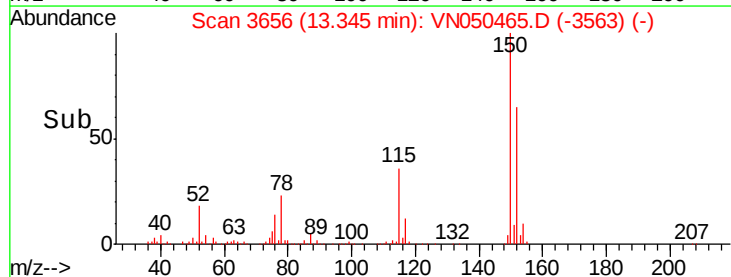
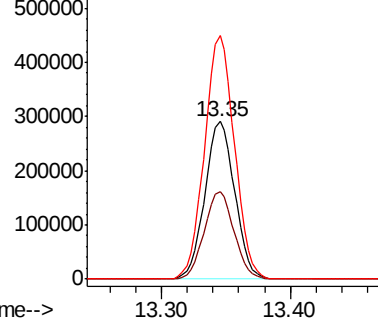


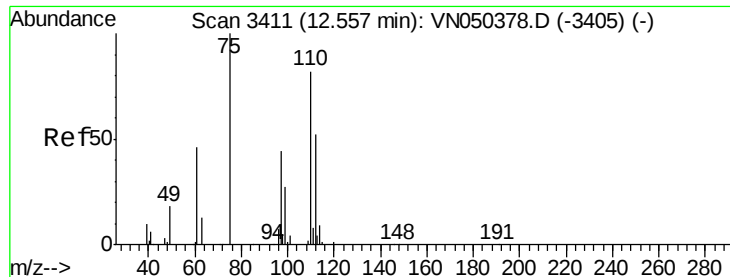
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050465.D
Acq: 8 Aug 2018 17:43

Tgt Ion:152 Resp: 465740
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.3
150 155.2 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: 30.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

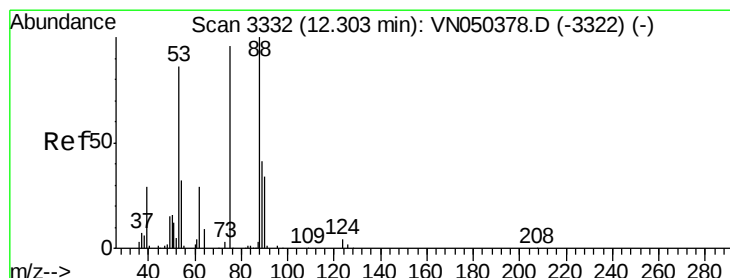
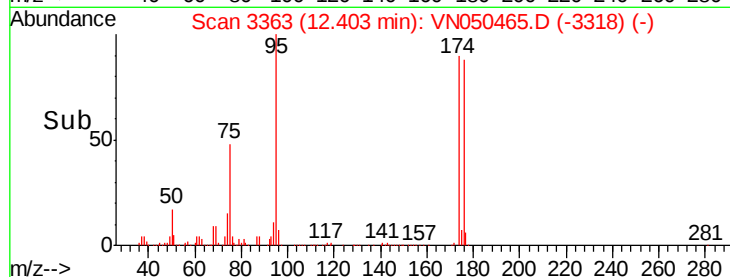
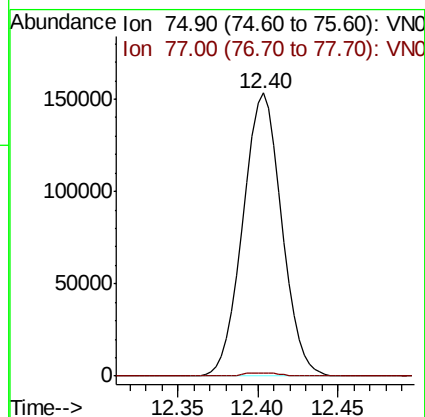
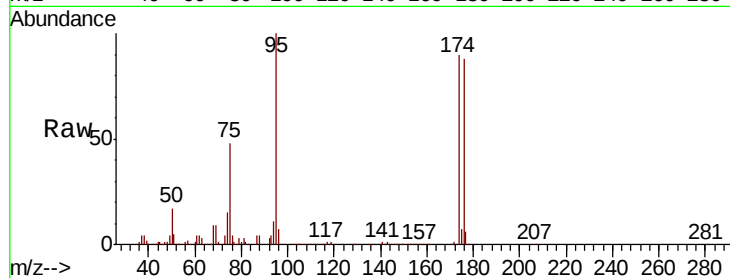
PB111846ZHE#05

Tot Ion: 75 Resp: 253965

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050465.D

Acq: 8 Aug 2018 17:43

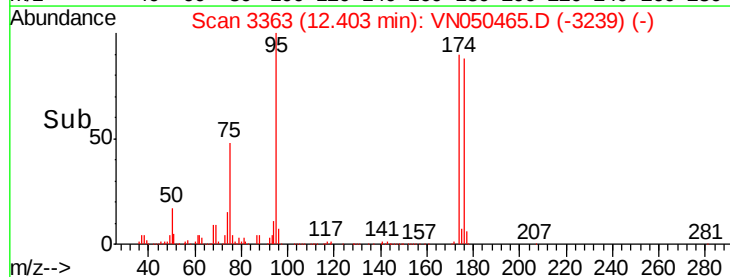
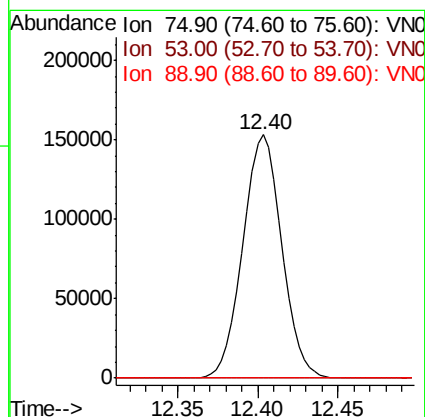
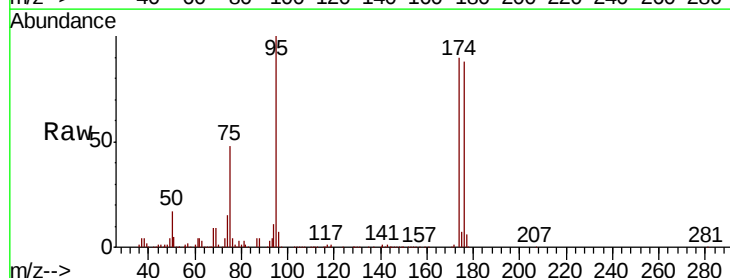
Tgt Ion: 75 Resp: 253965

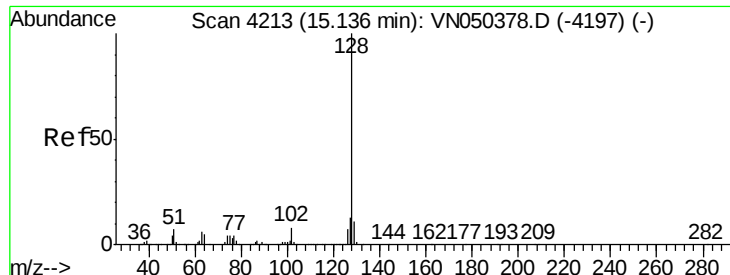
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.64 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN050465.D

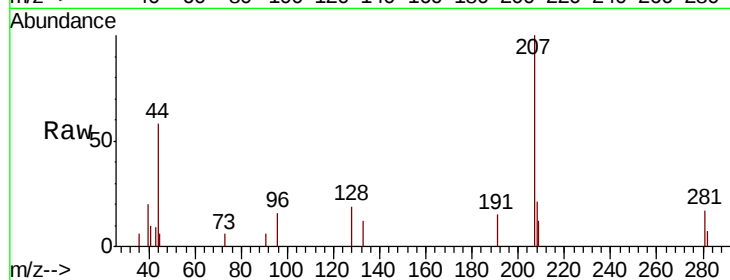
Acq: 8 Aug 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

PB111846ZHE#05



Tot Ion:	128	Resp:	484
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

