

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049915.D
 Acq On : 19 Jul 2018 14:41
 Operator : MD\SY
 Sample : PB111251ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#02

Quant Time: Jul 20 01:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	583529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	402237	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.59	113	354201	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	
50) Toluene-d8	10.09	98	1282595	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	
62) 4-Bromofluorobenzene	12.40	95	365266	35.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.98%	

Target Compounds

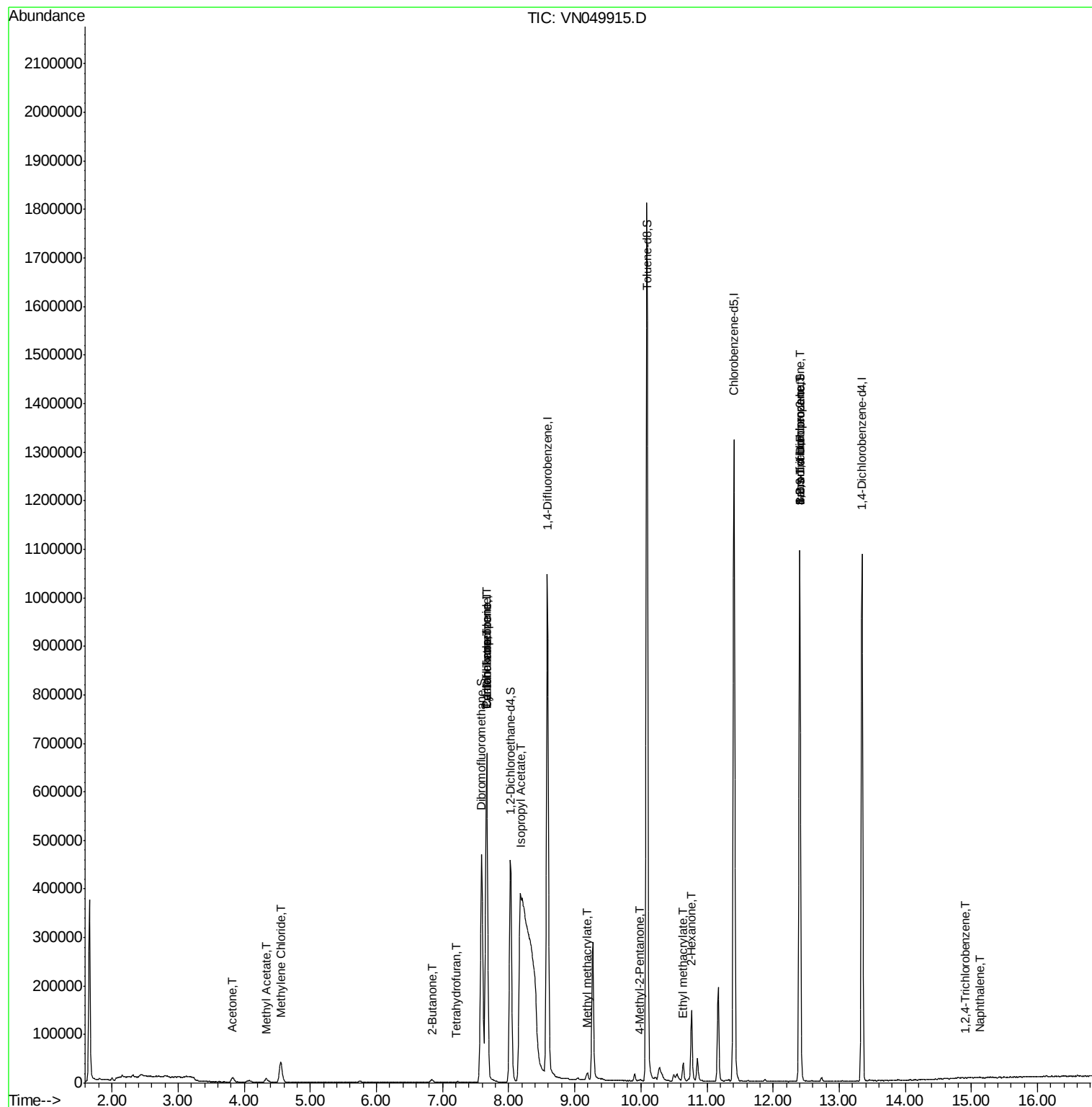
						Qvalue
5) Bromomethane	2.57	94	1028	Below Cal		92
16) Acetone	3.83	43	16352	7.87	ug/l	96
18) Methyl Acetate	4.33	43	14739	1.46	ug/l	96
20) Methylene Chloride	4.55	84	32815	4.16	ug/l	96
25) 2-Butanone	6.85	43	4119	1.39	ug/l #	85
29) Tetrahydrofuran	7.21	42	432	0.23	ug/l #	43
31) Cyclohexane	7.67	56	10607	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40238	3.76	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52031	4.53	ug/l #	17
43) Isopropyl Acetate	8.17	43	905674	70.46	ug/l #	74
48) Methyl methacrylate	9.18	41	8276	1.28	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3608	0.50	ug/l #	84
56) Ethyl methacrylate	10.64	69	657	2.22	ug/l #	1
59) 2-Hexanone	10.77	43	20444	4.24	ug/l #	57
71) Bromoform	12.40	173	3188	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	177506	30.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177506	96.78	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	104	3.49	ug/l #	15
95) Naphthalene	15.13	128	476	4.52	ug/l #	69

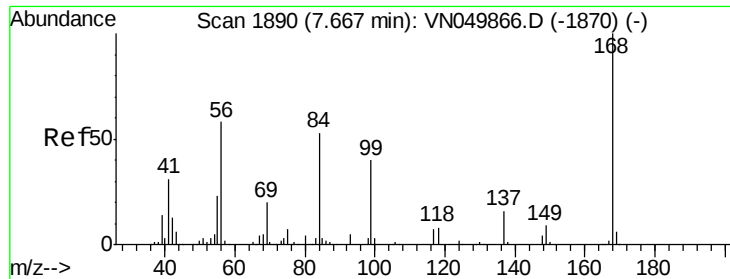
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071918\
Data File : VN049915.D
Acq On : 19 Jul 2018 14:41
Operator : MD\SY
Sample : PB111251ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#02

Quant Time: Jul 20 01:28:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 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: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

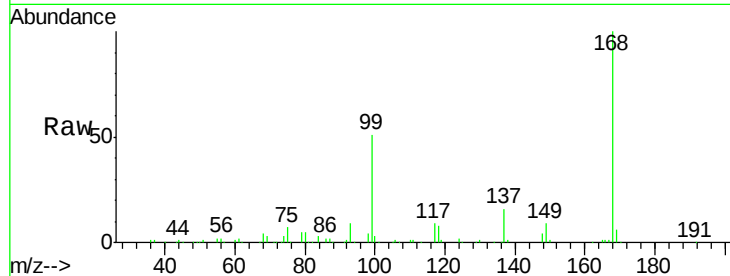
PB111251ZHE#02

Tot Ion:168 Resp: 583529

Ion Ratio Lower Upper

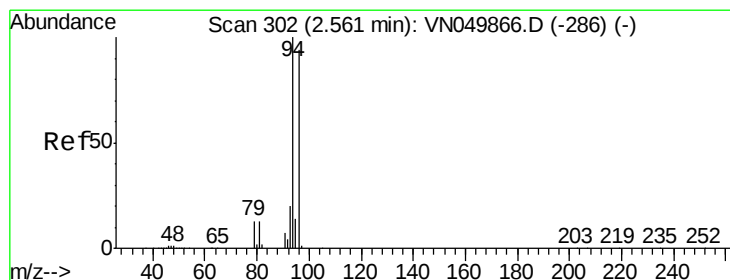
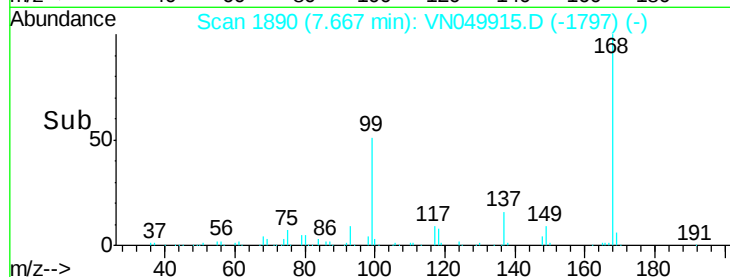
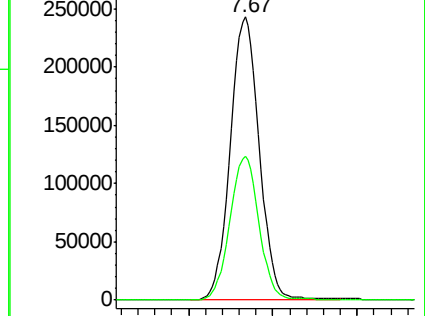
168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049915.D

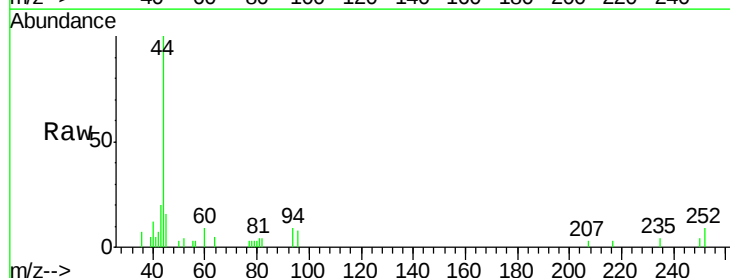
Acq: 19 Jul 2018 14:41

Tgt Ion: 94 Resp: 1028

Ion Ratio Lower Upper

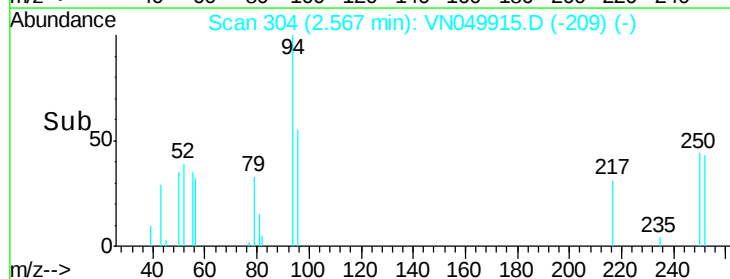
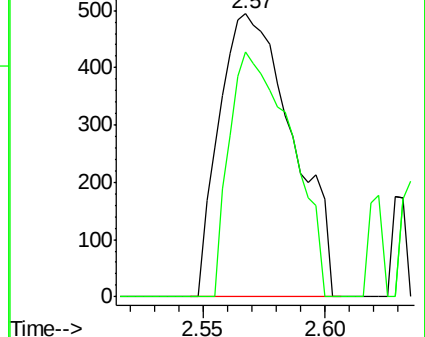
94 100

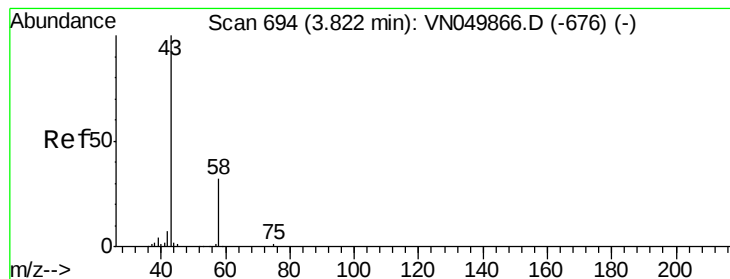
96 86.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: 7.87 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

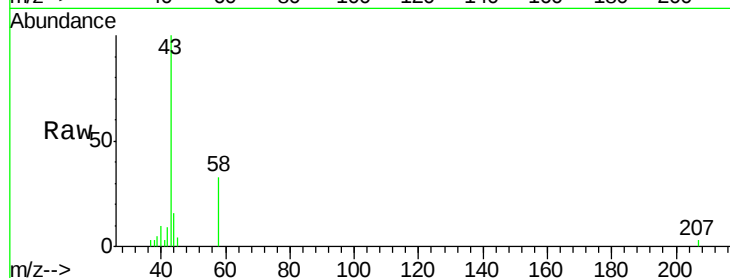
PB111251ZHE#02

Tot Ion: 43 Resp: 16352

Ion Ratio Lower Upper

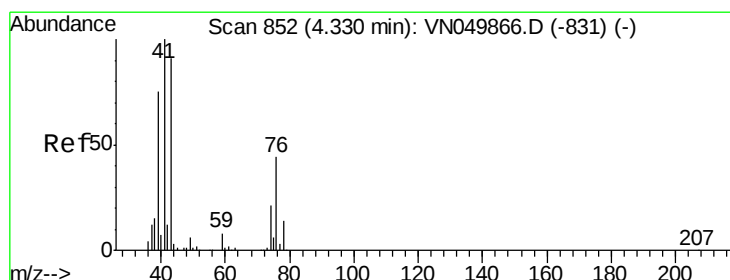
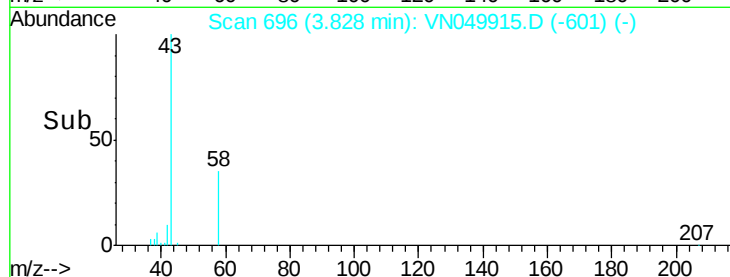
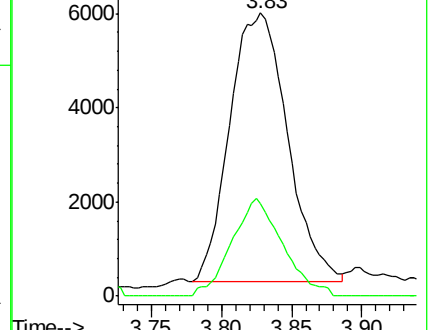
43 100

58 34.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049915.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049915.D (-601) (-)



#18

Methyl Acetate

Concen: 1.46 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049915.D

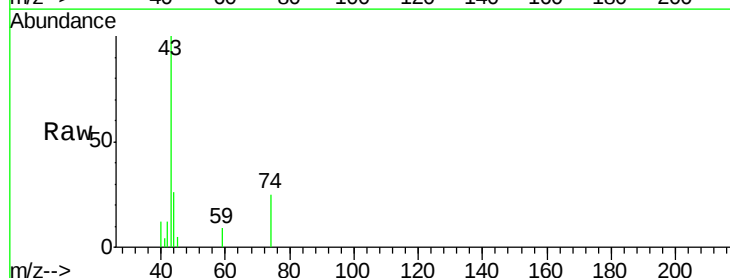
Acq: 19 Jul 2018 14:41

Tgt Ion: 43 Resp: 14739

Ion Ratio Lower Upper

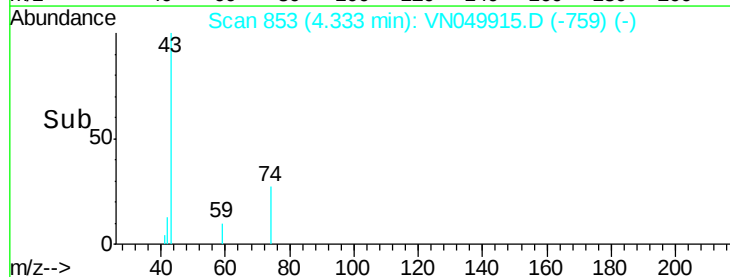
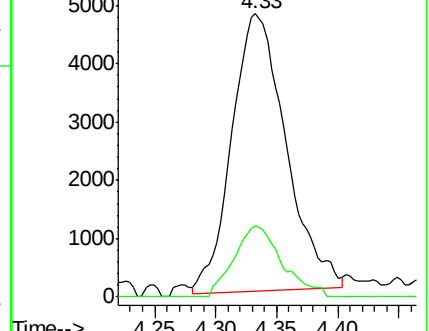
43 100

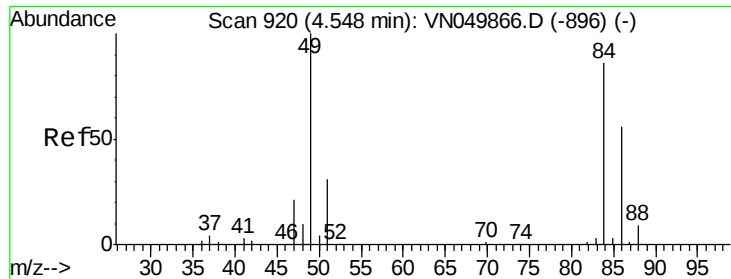
74 22.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049915.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049915.D (-759) (-)

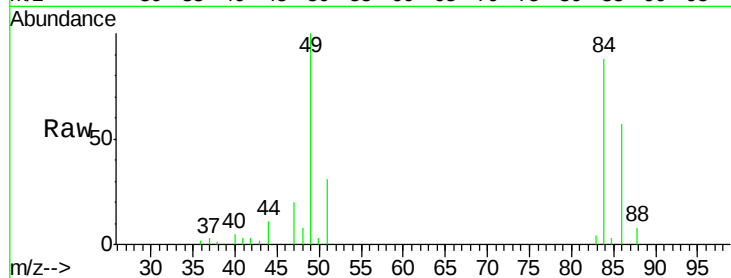




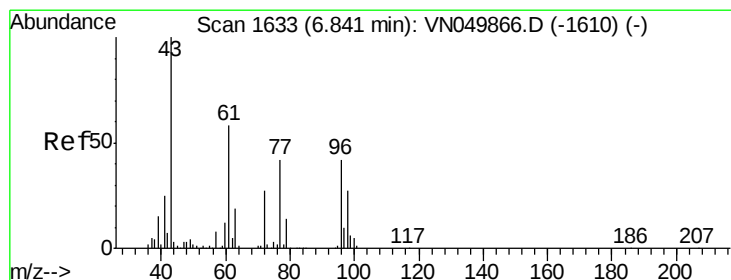
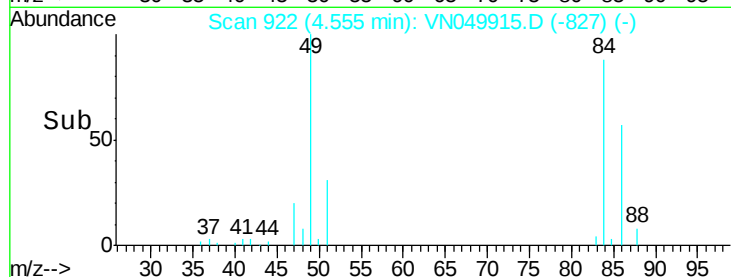
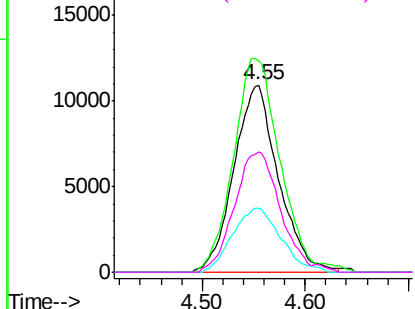
#20
Methvlene Chloride
Concen: 4.16 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#02

Tot Ion: 84 Resp: 32815
Ion Ratio Lower Upper
84 100
49 113.2 95.4 143.2
51 34.5 28.4 42.6
86 64.2 52.6 79.0

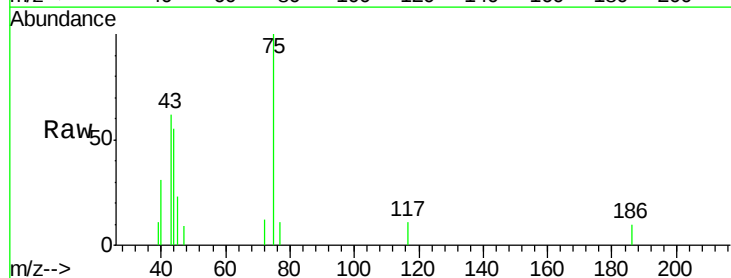


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

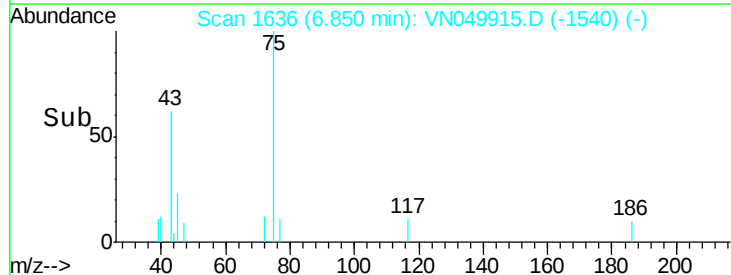
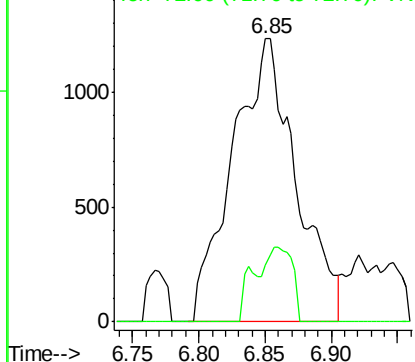


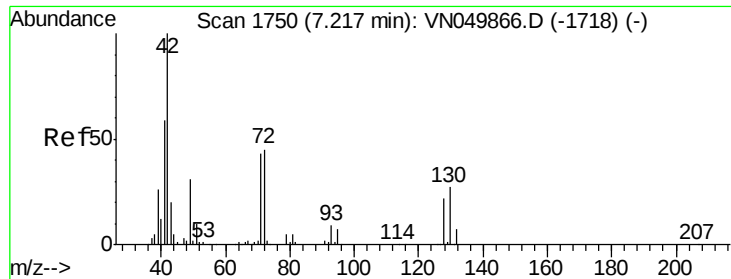
#25
2-Butanone
Concen: 1.39 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
72 19.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#02

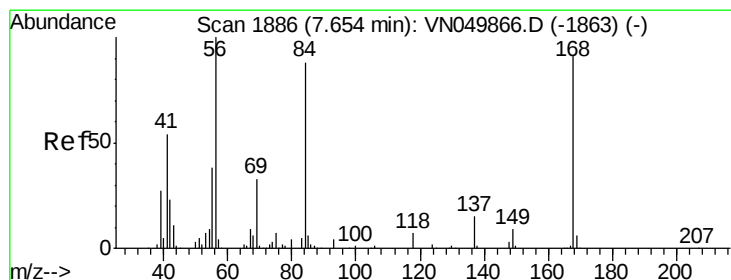
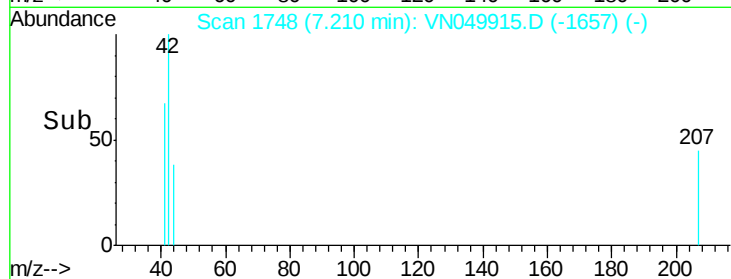
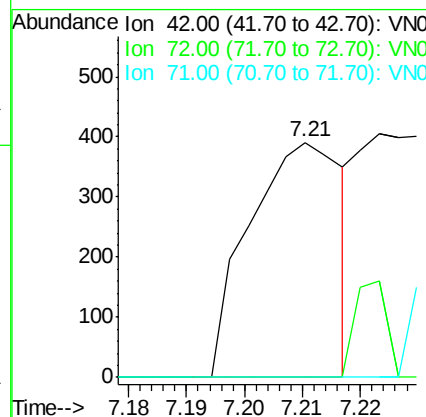
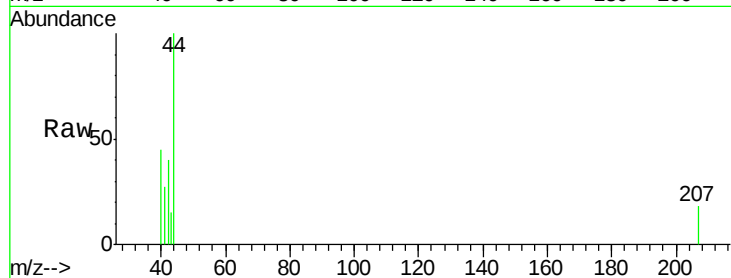
Tot Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 13.9 35.6 53.4#

71 0.0 34.0 51.0#



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

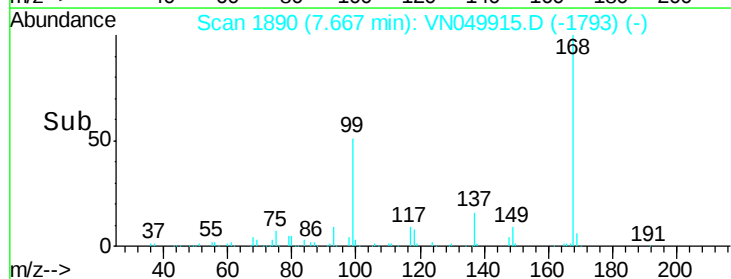
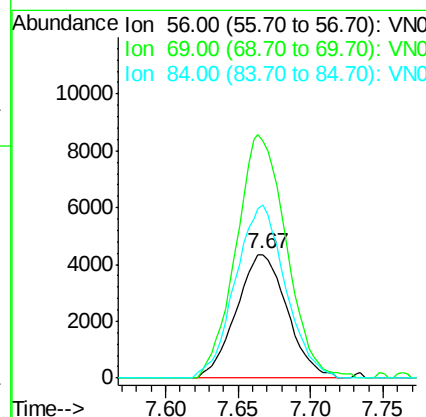
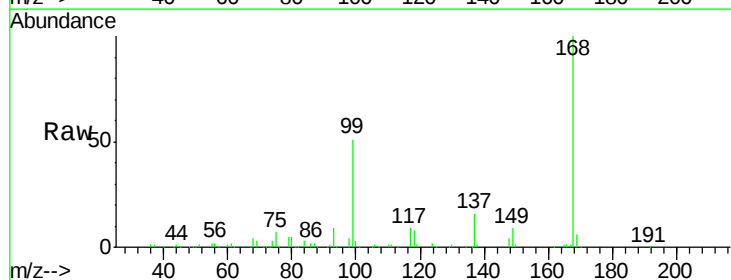
Tgt Ion: 56 Resp: 10607

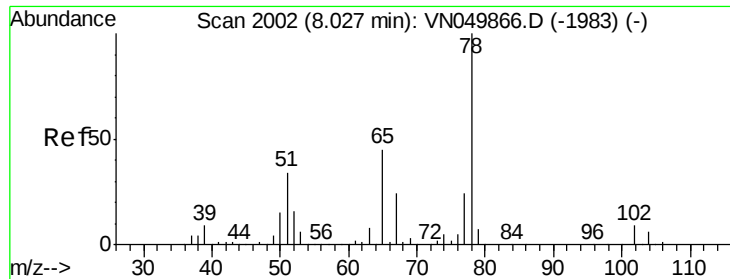
Ion Ratio Lower Upper

56 100

69 191.7 26.6 40.0#

84 140.7 69.0 103.6#

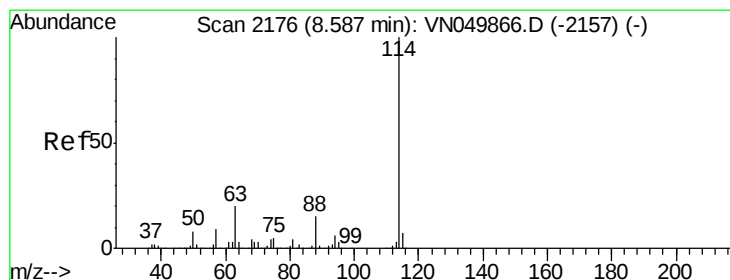
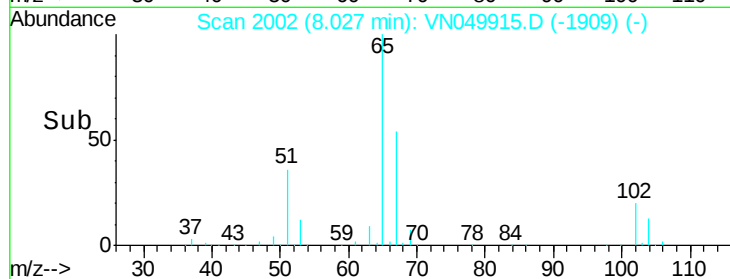
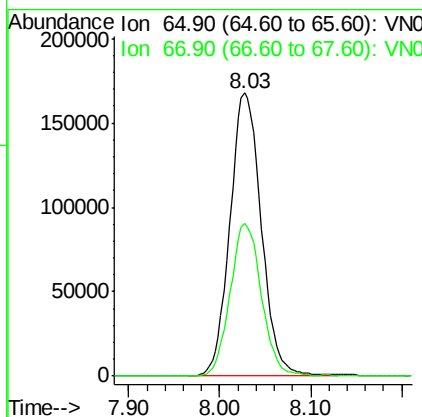
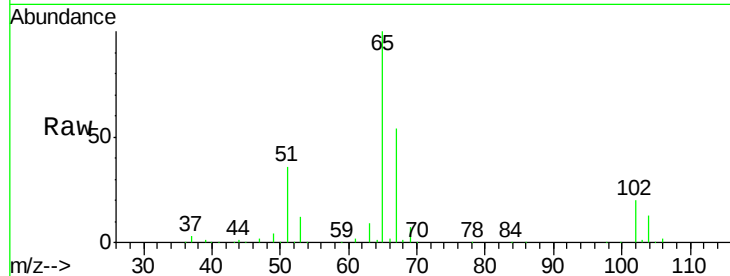




#33
 1,2-Dichloroethane-d4
 Concen: 50.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049915.D
 Acq: 19 Jul 2018 14:41

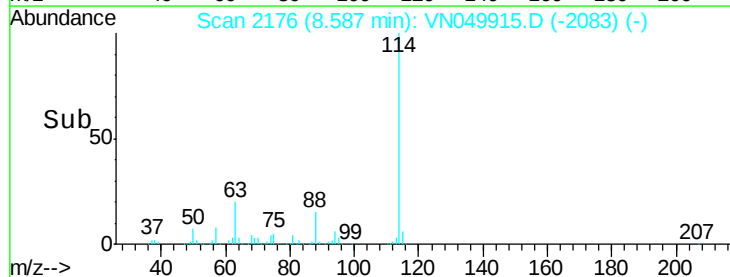
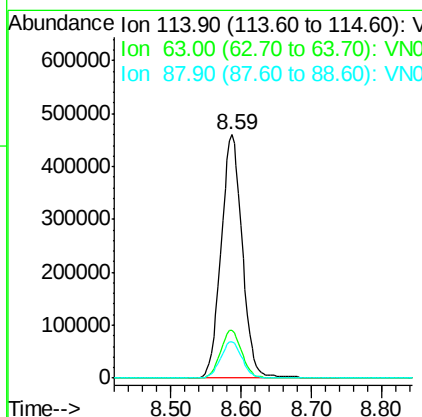
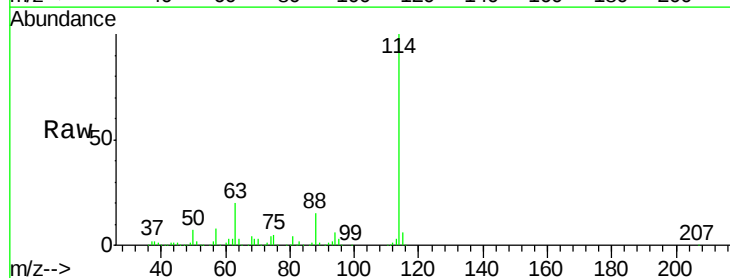
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#02

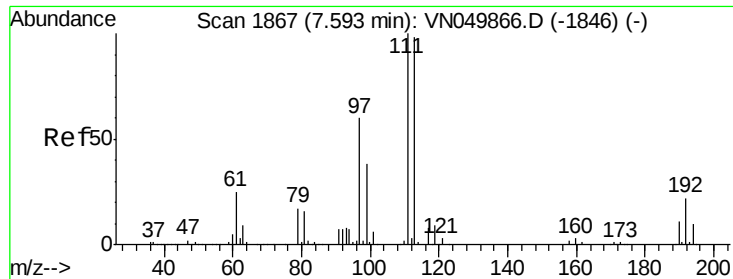
Tot Ion: 65 Resp: 402237
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049915.D
 Acq: 19 Jul 2018 14:41

Tgt Ion: 114 Resp: 963562
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.0 0.0 30.6

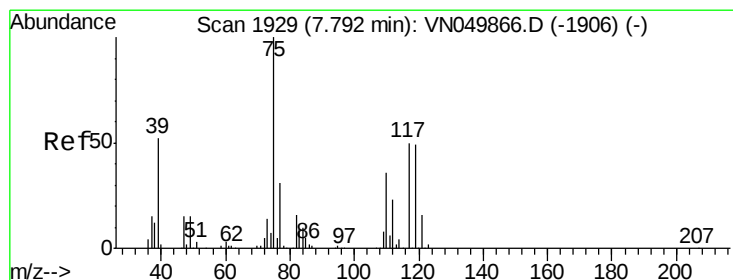
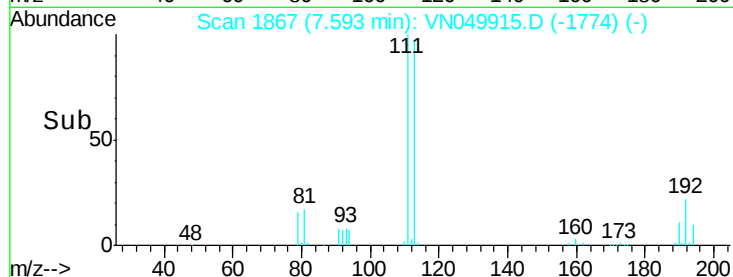
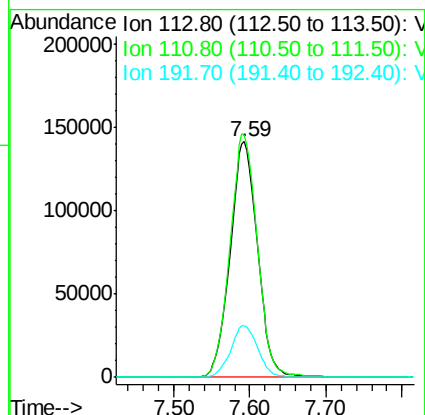
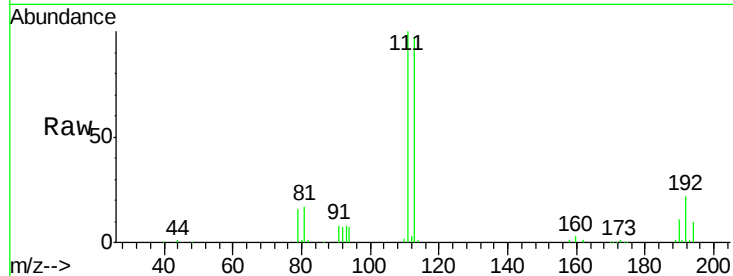




#35
 Dibromofluoromethane
 Concen: 43.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049915.D
 Acq: 19 Jul 2018 14:41

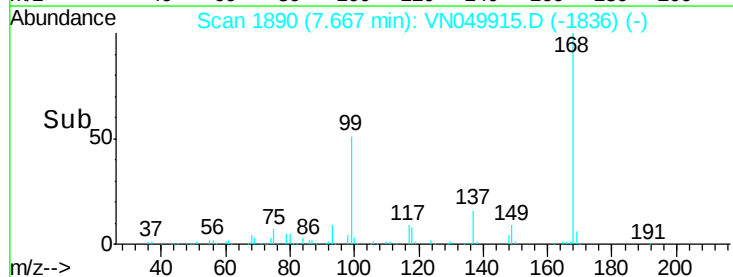
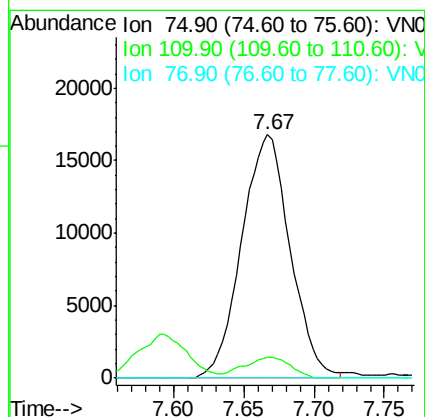
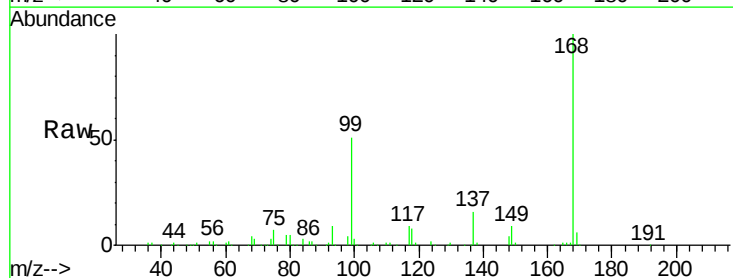
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#02

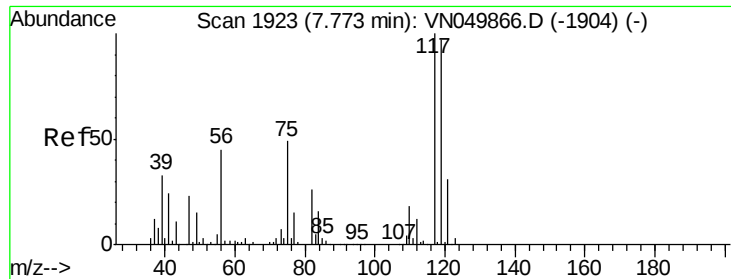
Tot Ion:113 Resp: 354201
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049915.D
 Acq: 19 Jul 2018 14:41

Tgt Ion: 75 Resp: 40238
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.4#
 77 0.0 24.9 37.3#

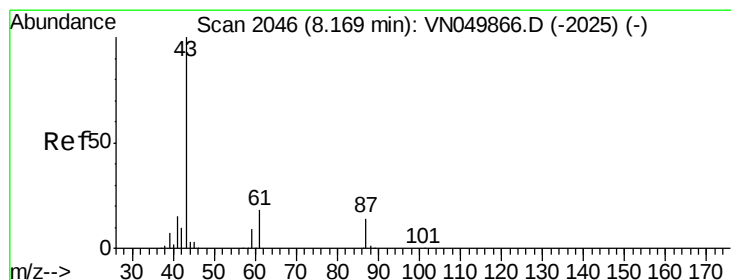
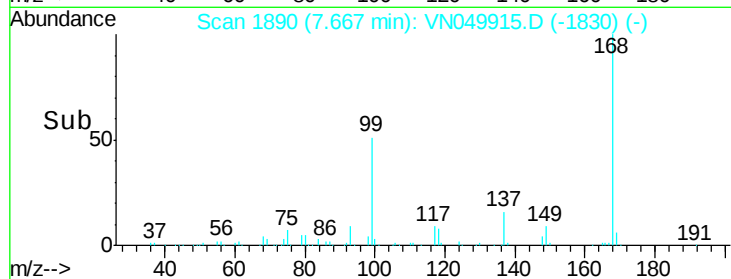
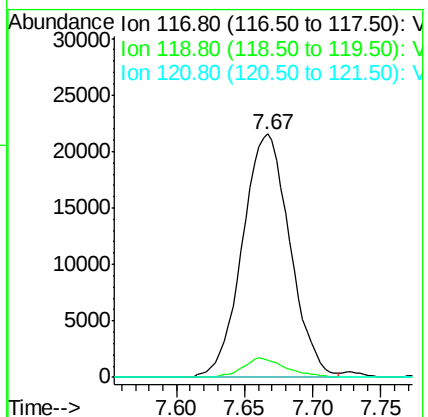
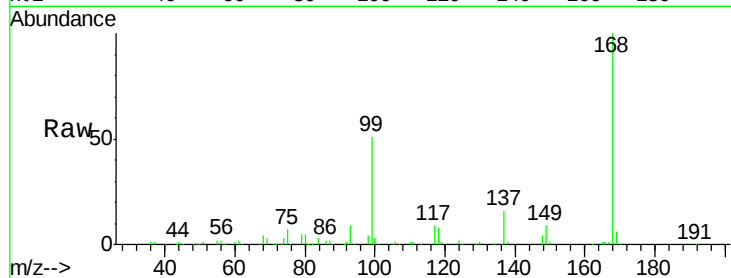




#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

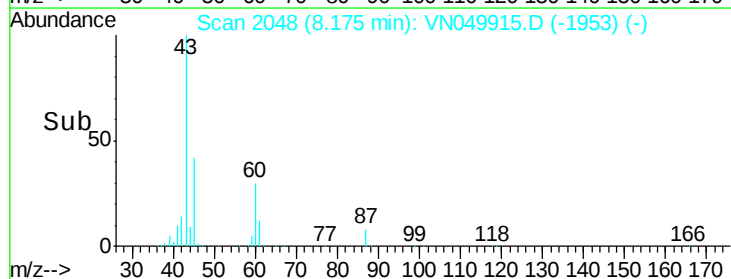
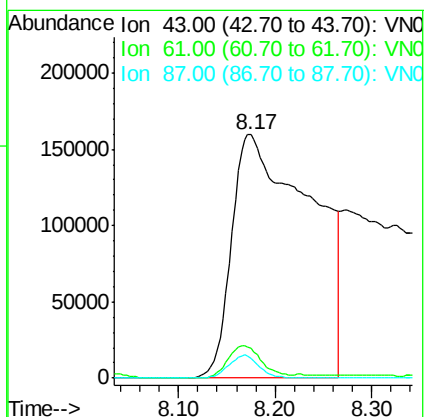
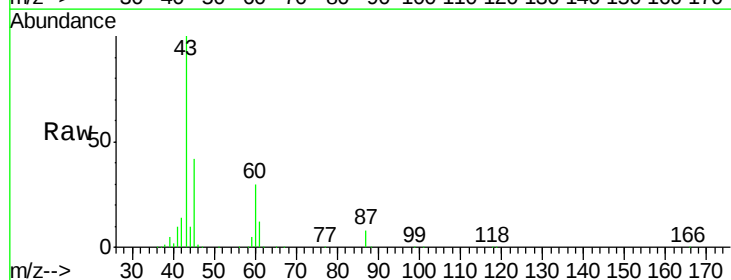
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#02

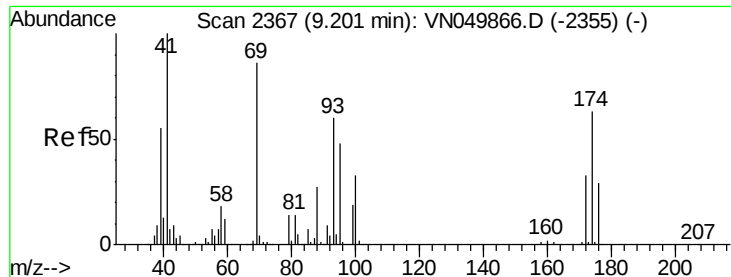
Tot Ion:117 Resp: 52031
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 70.46 ug/l
RT: 8.17 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

Tgt Ion: 43 Resp: 905674
Ion Ratio Lower Upper
43 100
61 5.8 14.9 22.3#
87 3.6 10.0 15.0#

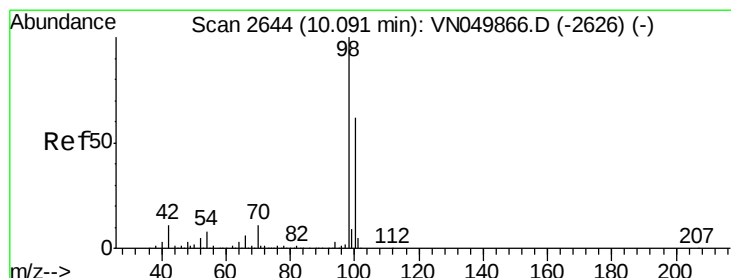
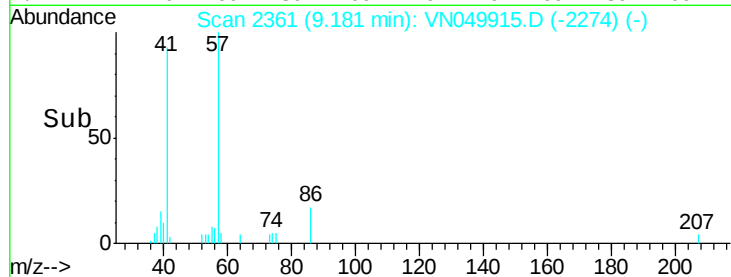
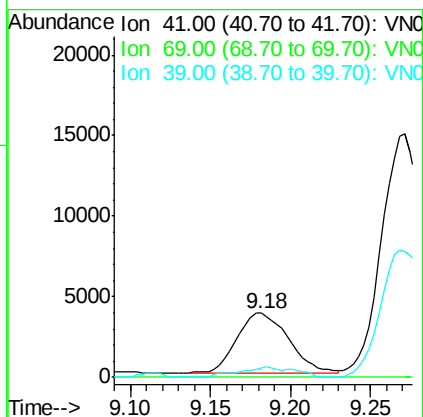
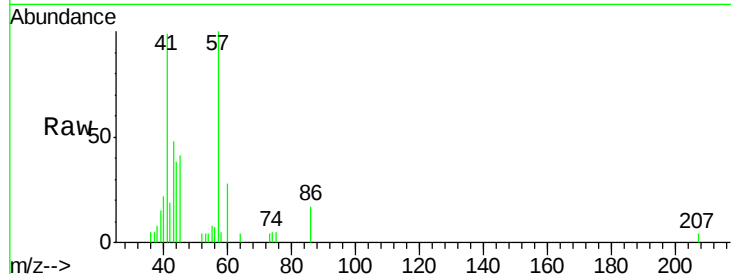




#48
Methvl methacrylate
Concen: 1.28 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

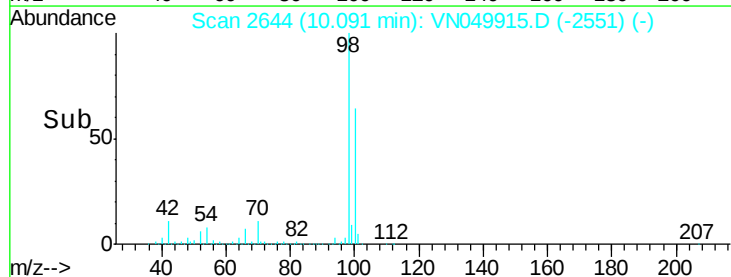
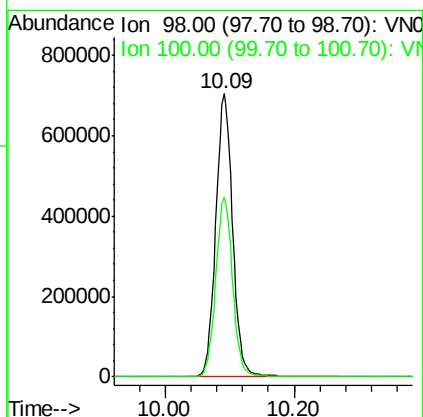
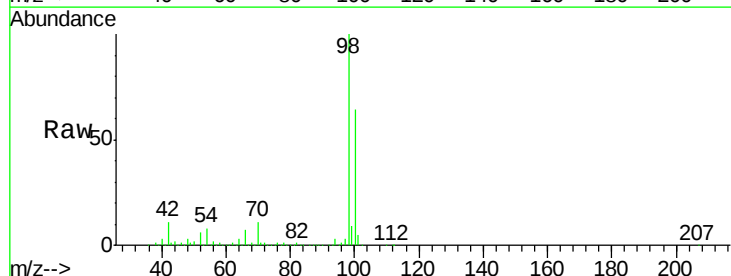
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#02

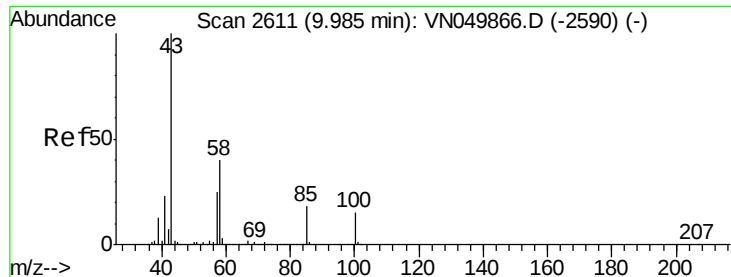
Tot Ion: 41 Resp: 8276
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.5 44.7 67.1#



#50
Toluene-d8
Concen: 43.52 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

Tgt Ion: 98 Resp: 1282595
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

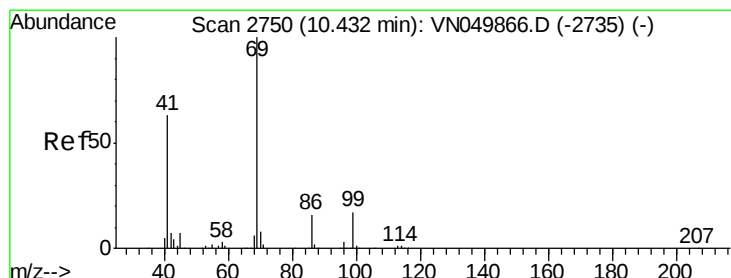
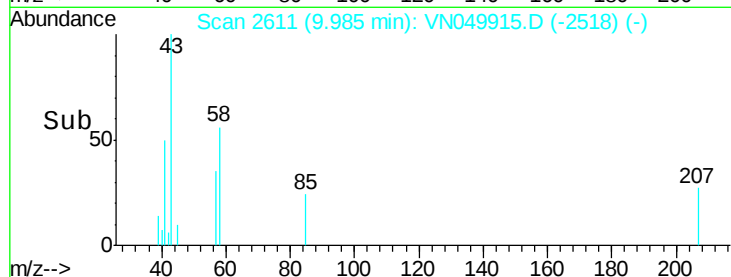
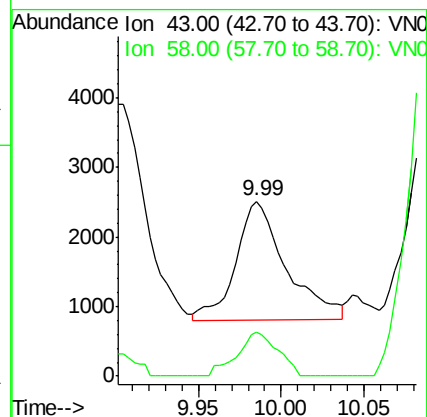
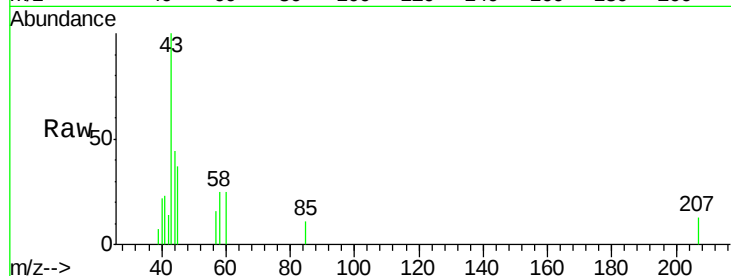
PB111251ZHE#02

Tot Ion: 43 Resp: 3608

Ion Ratio Lower Upper

43 100

58 30.0 31.8 47.8#



#56

Ethyl methacrylate

Concen: 2.22 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.21 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

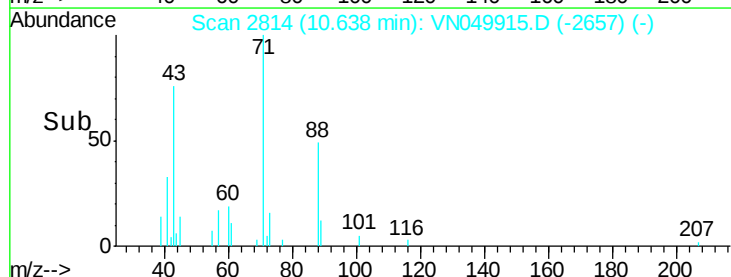
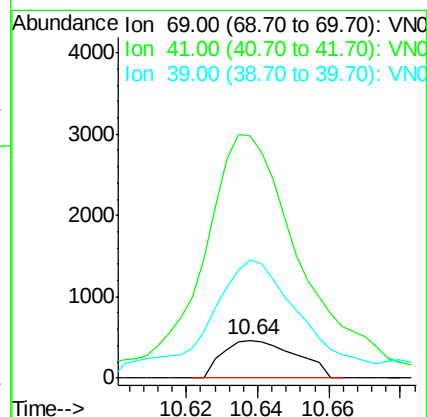
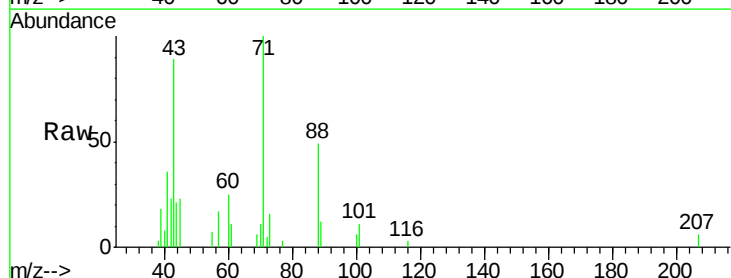
Tgt Ion: 69 Resp: 657

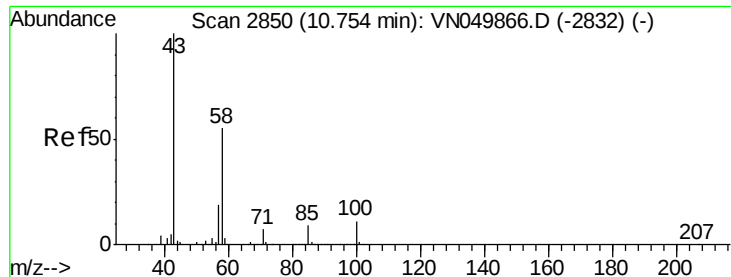
Ion Ratio Lower Upper

69 100

41 876.7 51.6 77.4#

39 413.7 25.8 38.8#





#59

2-Hexanone

Concen: 4.24 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

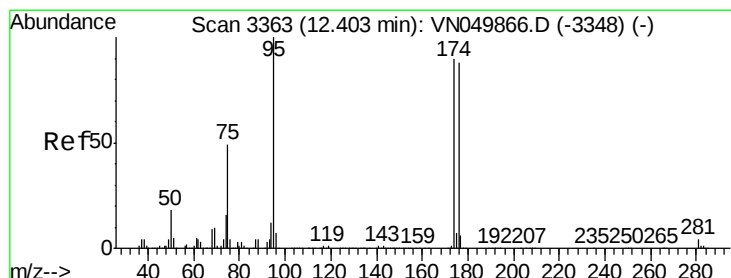
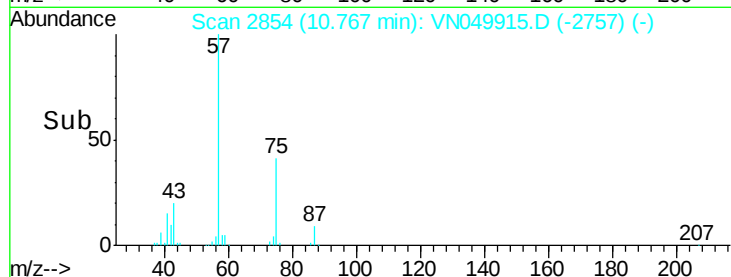
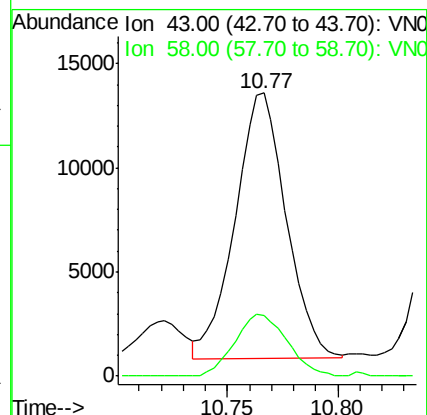
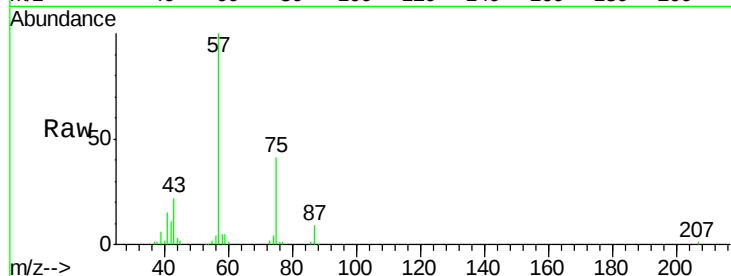
PB111251ZHE#02

Tot Ion: 43 Resp: 20444

Ion Ratio Lower Upper

43 100

58 24.1 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 35.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

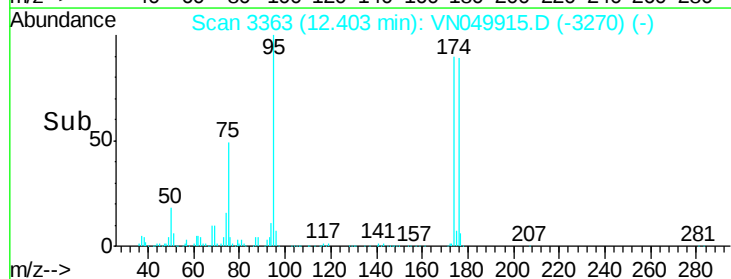
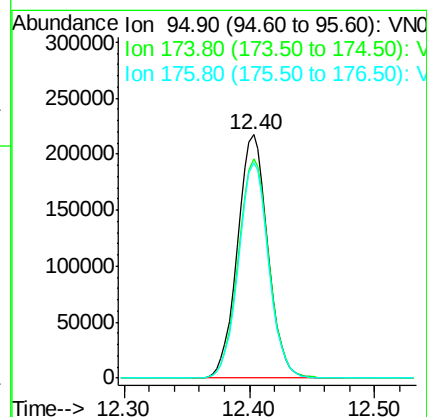
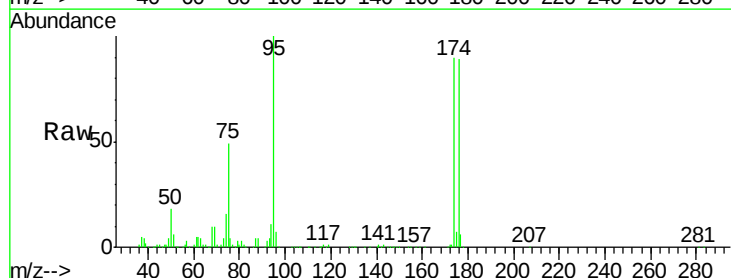
Tgt Ion: 95 Resp: 365266

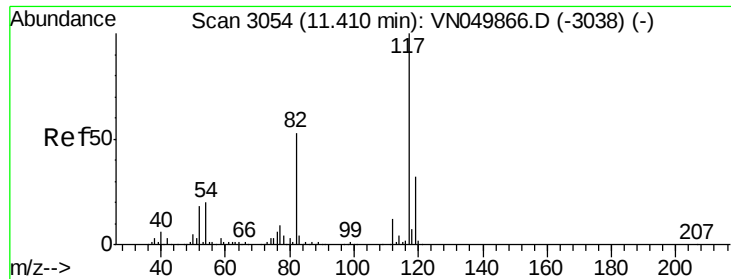
Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.6

176 87.6 0.0 174.0

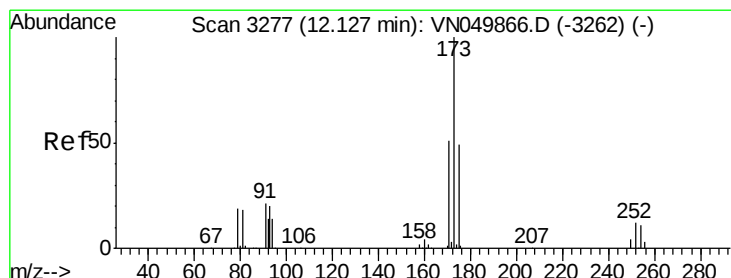
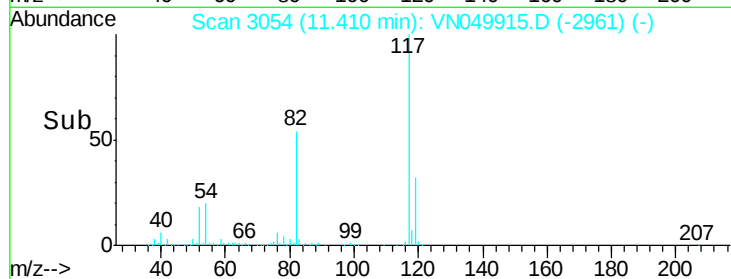
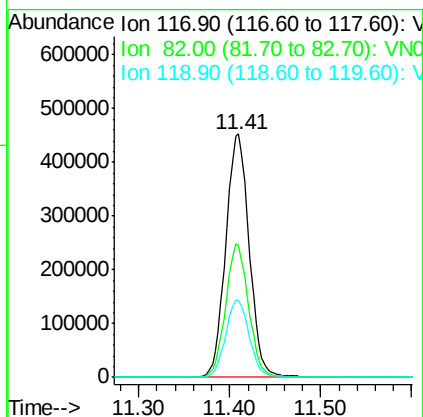
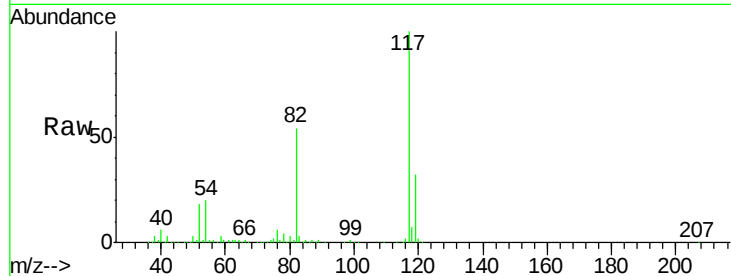




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

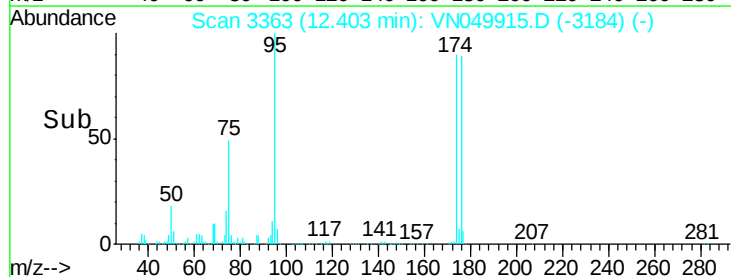
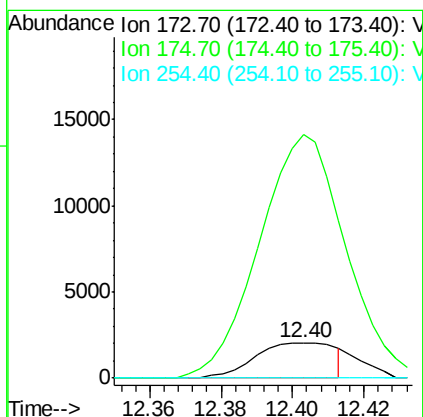
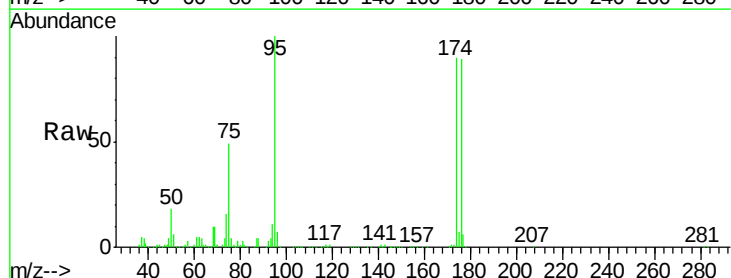
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#02

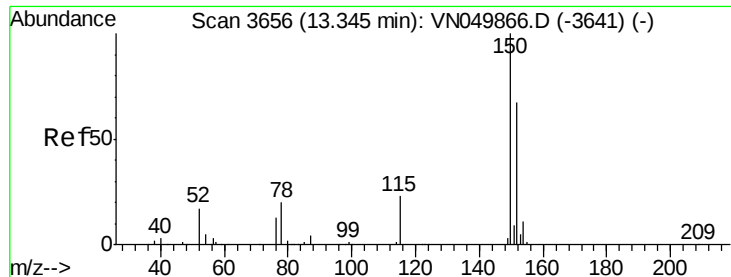
Tot Ion:117 Resp: 811187
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 31.6 25.4 38.2



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049915.D
Acq: 19 Jul 2018 14:41

Tgt Ion:173 Resp: 3188
Ion Ratio Lower Upper
173 100
175 629.1 24.6 73.8#
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: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#02

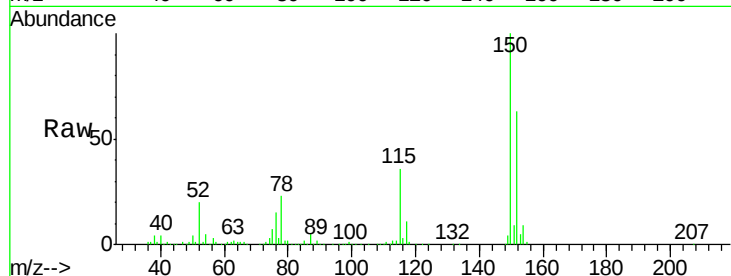
Tot Ion:152 Resp: 305733

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

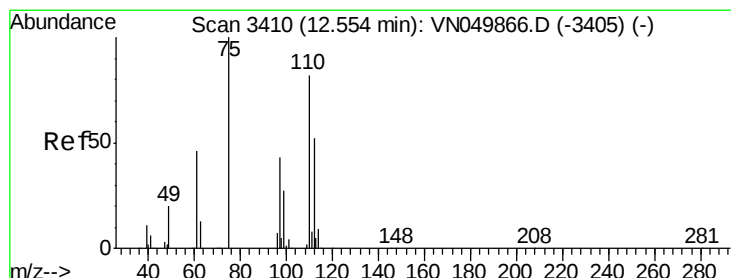
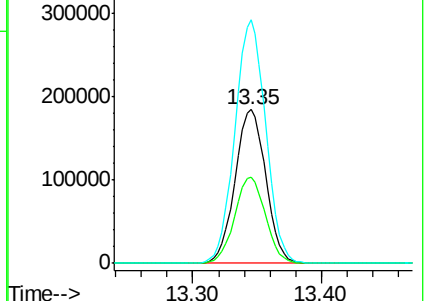
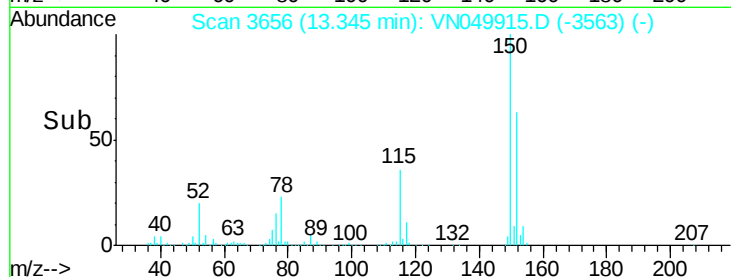
150 158.6 0.0 347.6



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: 30.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049915.D

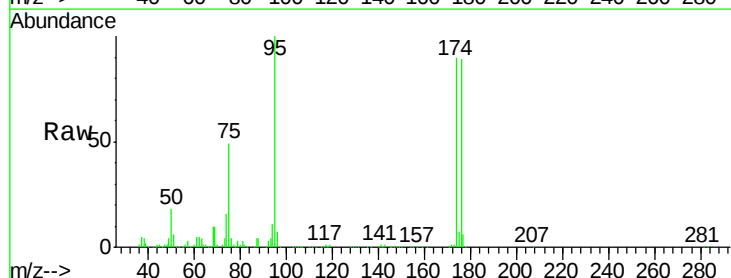
Acq: 19 Jul 2018 14:41

Tgt Ion: 75 Resp: 177506

Ion Ratio Lower Upper

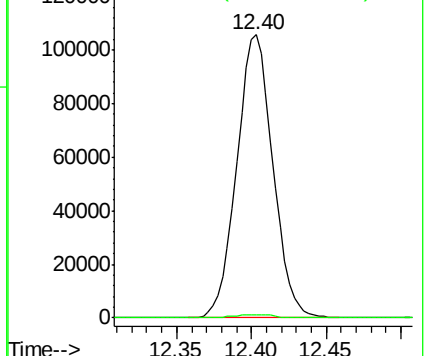
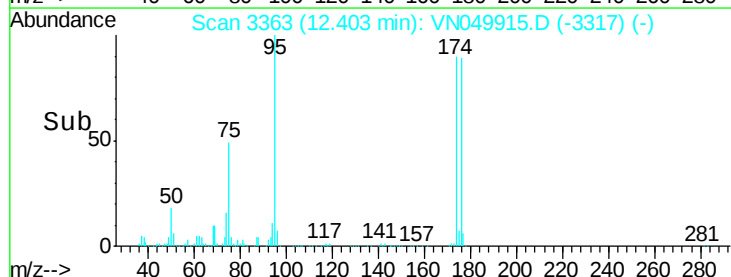
75 100

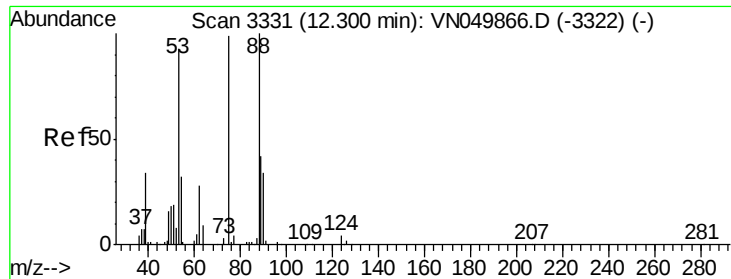
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#02

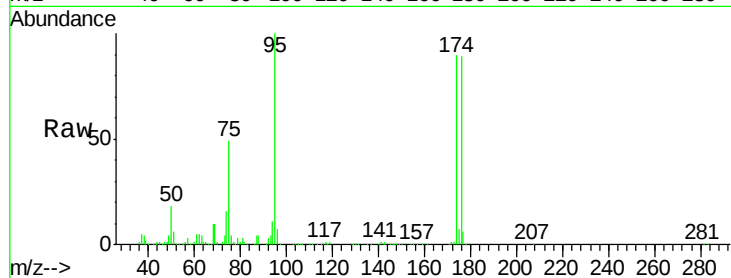
Tot Ion: 75 Resp: 177506

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

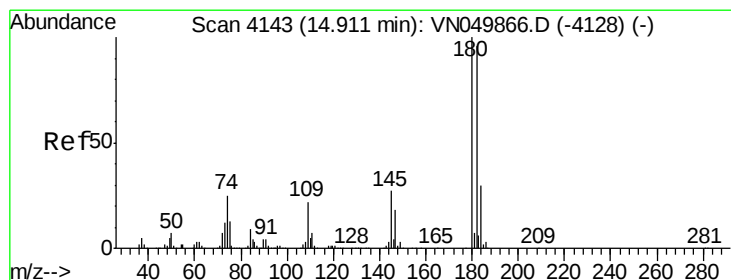
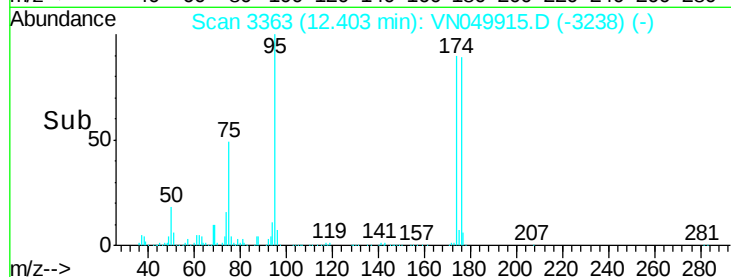
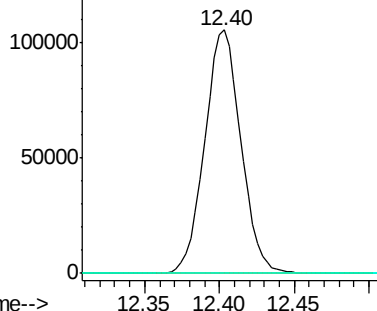
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049915.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049915.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049915.D (-3363) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.49 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

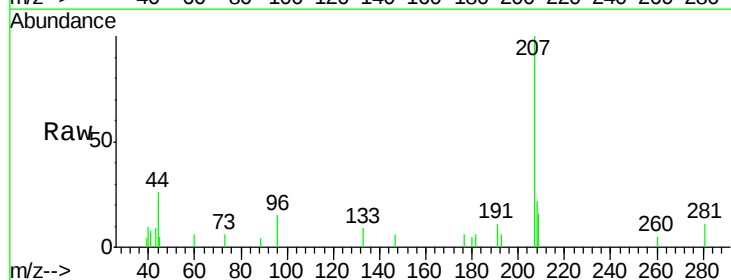
Tgt Ion: 180 Resp: 104

Ion Ratio Lower Upper

180 100

182 185.6 47.3 141.9#

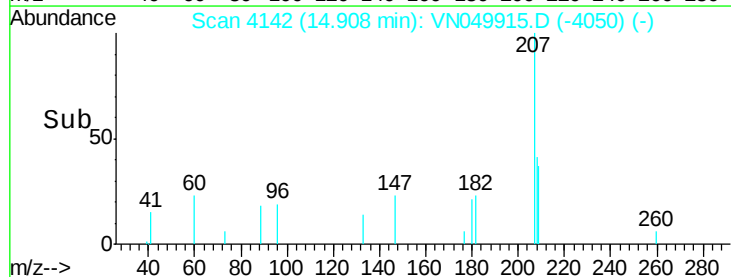
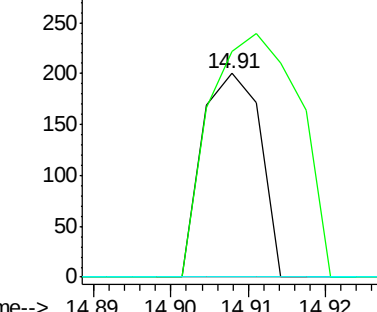
145 0.0 14.4 43.0#

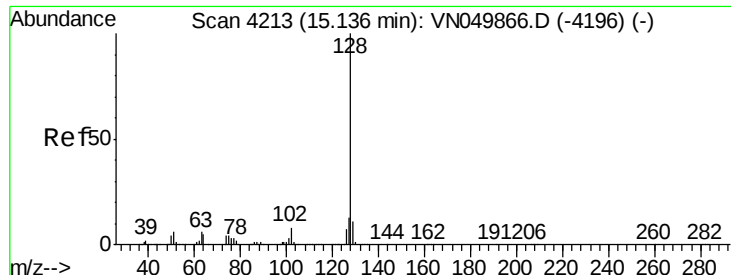


Abundance Ion 179.80 (179.50 to 180.50): VN049915.D (-4142) (-)

Ion 181.80 (181.50 to 182.50): VN049915.D (-4142) (-)

Ion 144.80 (144.50 to 145.50): VN049915.D (-4142) (-)





#95

Naphthalene

Concen: 4.52 ug/l

RT: 15.13 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN049915.D

Acq: 19 Jul 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#02

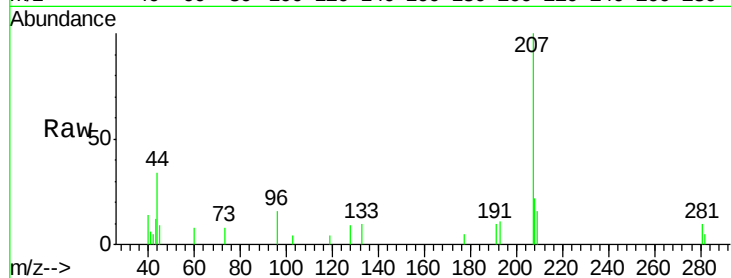
Tot Ion:128 Resp: 476

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

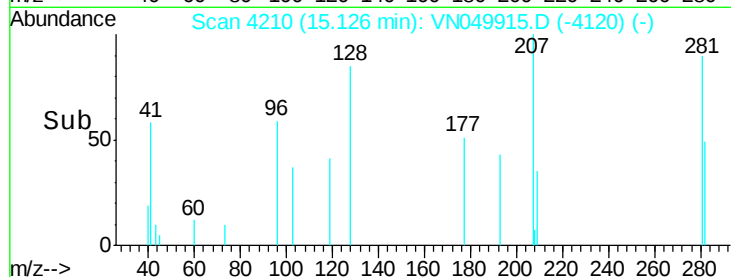
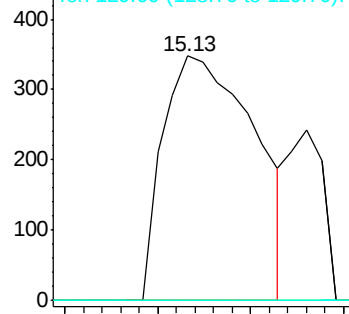
129 0.0 8.6 13.0#



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



Time-->