

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049970.D
 Acq On : 20 Jul 2018 18:31
 Operator : MD\SY
 Sample : PB111289ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#10

Quant Time: Jul 20 23:49:12 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	531422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	906511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285480	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	397120	54.37	ug/l	0.00
Spiked Amount						
			Recovery	=	108.74%	
35) Dibromofluoromethane	7.59	113	342886	45.06	ug/l	0.00
Spiked Amount						
			Recovery	=	90.12%	
50) Toluene-d8	10.09	98	1208992	43.60	ug/l	0.00
Spiked Amount						
			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.40	95	336962	35.29	ug/l	0.00
Spiked Amount						
			Recovery	=	70.58%	

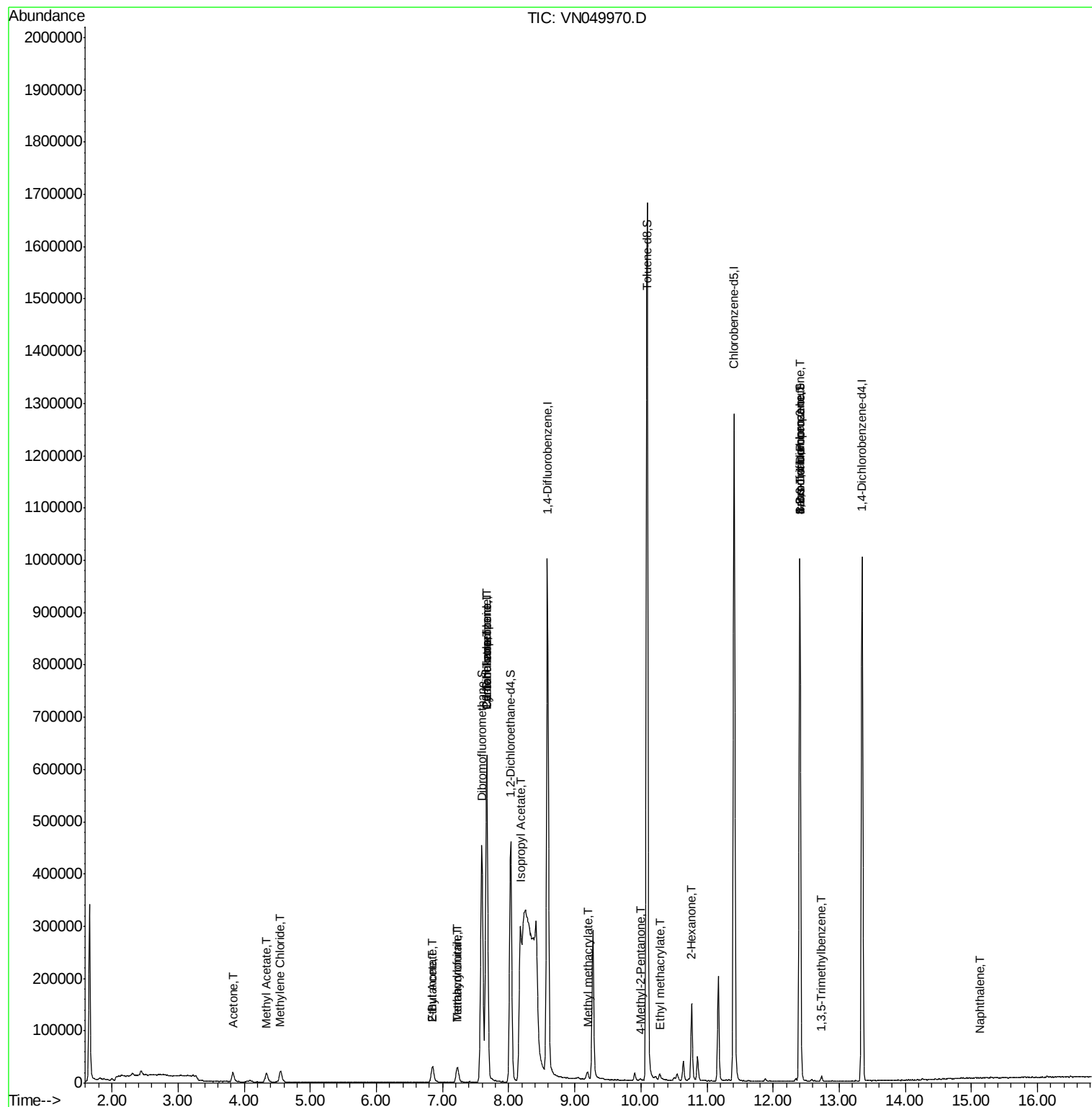
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	257	Below Cal		85
16) Acetone	3.83	43	27750	14.67	ug/l	97
18) Methyl Acetate	4.34	43	31923	4.62	ug/l	97
20) Methylene Chloride	4.55	84	16011	2.23	ug/l	87
25) 2-Butanone	6.85	43	46011	17.02	ug/l	94
29) Tetrahydrofuran	7.22	42	22745	13.36	ug/l	94
31) Cyclohexane	7.67	56	10052	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38346	3.80	ug/l #	48
37) Ethyl Acetate	6.85	43	46011	6.65	ug/l #	68
38) Carbon Tetrachloride	7.67	117	49355	4.57	ug/l #	16
41) Methacrylonitrile	7.22	41	14880	4.29	ug/l #	31
43) Isopropyl Acetate	8.17	43	356972	29.52	ug/l #	90
48) Methyl methacrylate	9.19	41	8292	1.37	ug/l #	22
51) 4-Methyl-2-Pentanone	10.00	43	1971	0.29	ug/l #	85
56) Ethyl methacrylate	10.28	69	134	2.17	ug/l #	1
59) 2-Hexanone	10.77	43	20015	4.41	ug/l #	59
71) Bromoform	12.40	173	3240	0.61	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	164676	30.75	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4270	0.25	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	164676	96.15	ug/l #	13
95) Naphthalene	15.13	128	211	4.51	ug/l #	69

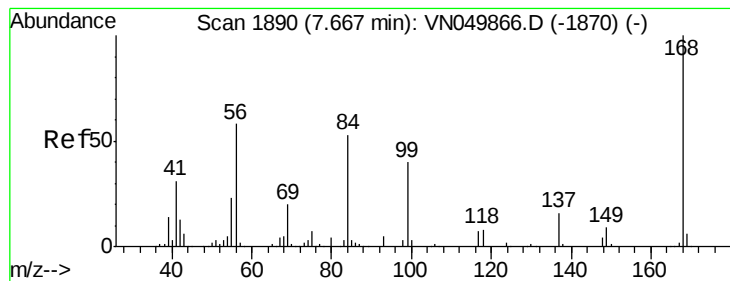
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1891

Delta R.T. 0.00 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

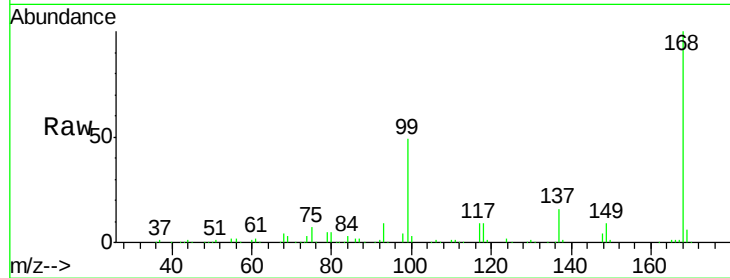
PB111289ZHE#10

Tot Ion:168 Resp: 531422

Ion Ratio Lower Upper

168 100

99 49.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049970.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049970.D (-1797) (-)

7.67

250000

200000

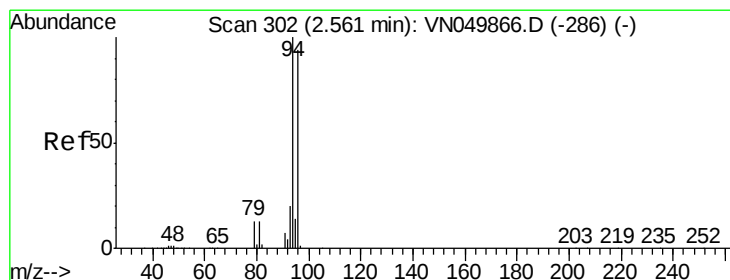
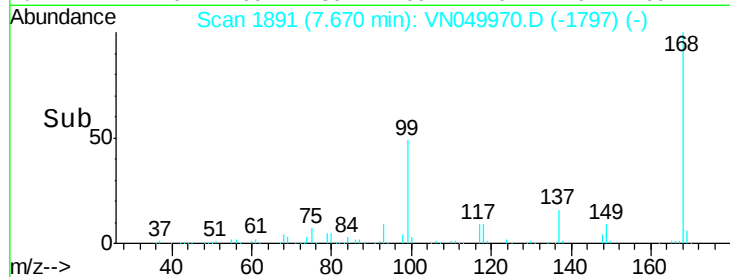
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN049970.D

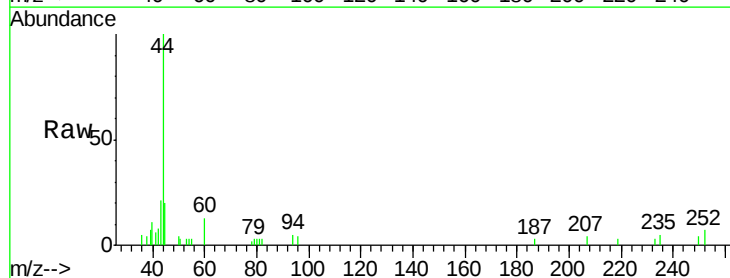
Acq: 20 Jul 2018 18:31

Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 80.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049970.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049970.D (-209) (-)

2.55

300

250

200

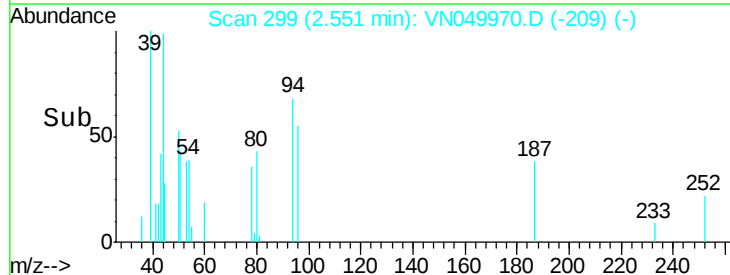
150

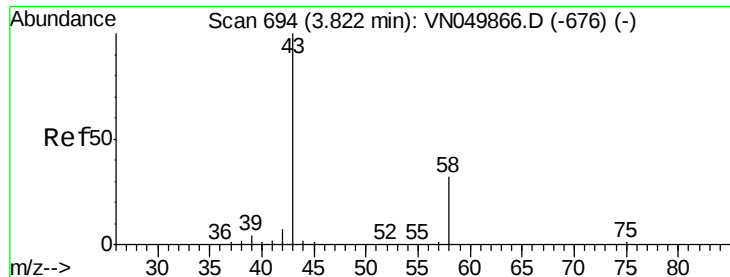
100

50

0

Time-->





#16

Acetone

Concen: 14.67 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

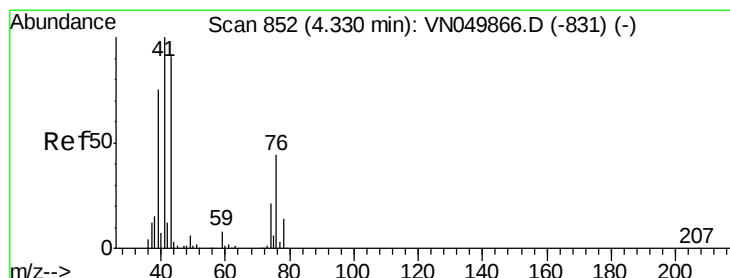
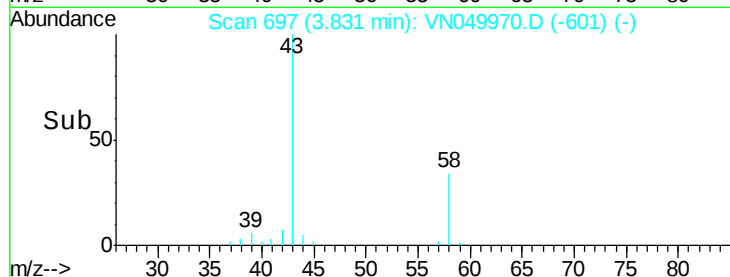
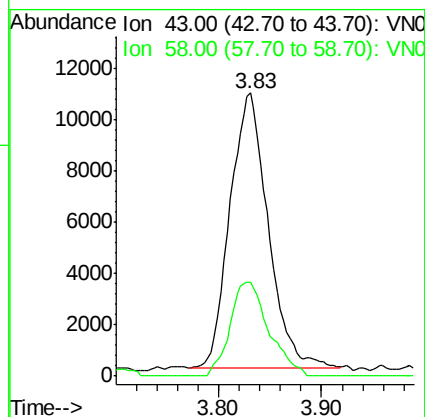
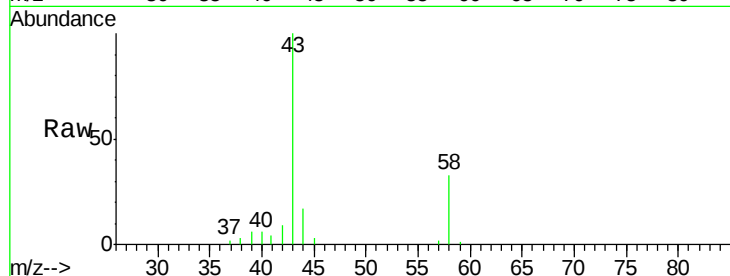
PB111289ZHE#10

Tot Ion: 43 Resp: 27750

Ion Ratio Lower Upper

43 100

58 34.0 25.9 38.9



#18

Methyl Acetate

Concen: 4.62 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049970.D

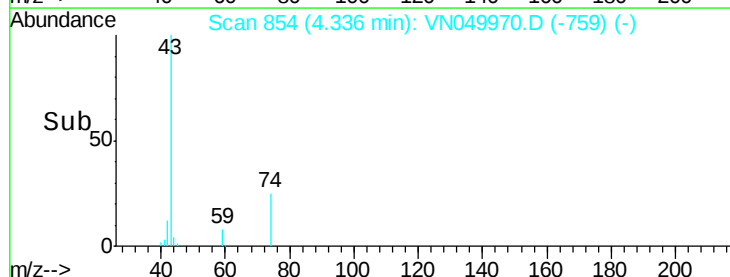
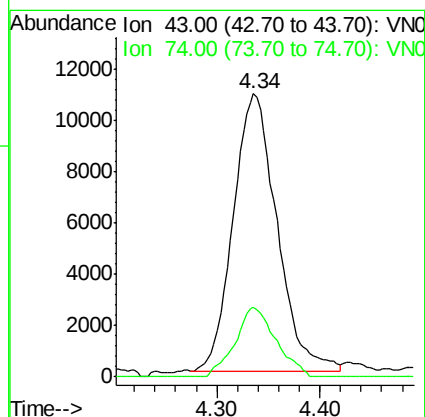
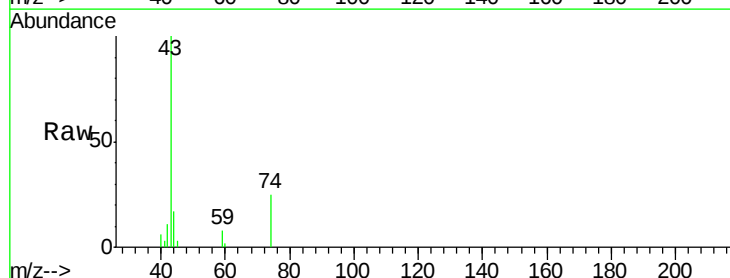
Acq: 20 Jul 2018 18:31

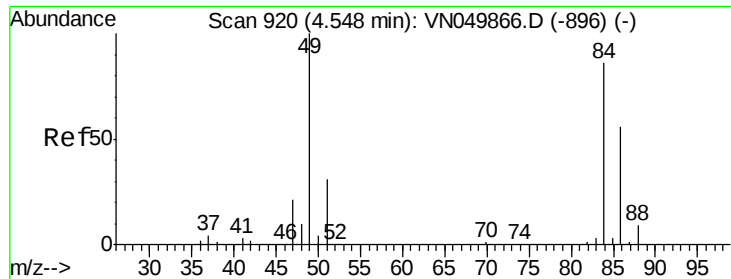
Tgt Ion: 43 Resp: 31923

Ion Ratio Lower Upper

43 100

74 23.3 19.8 29.8

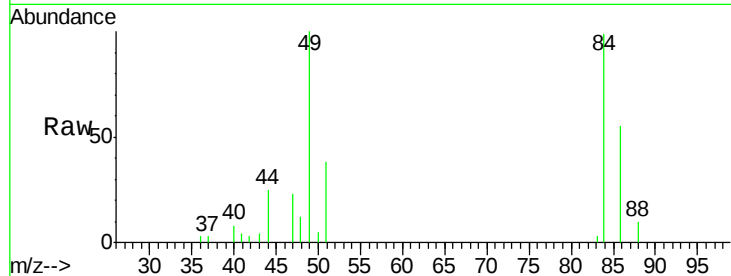




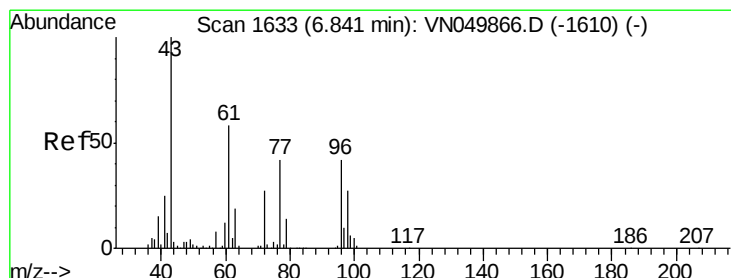
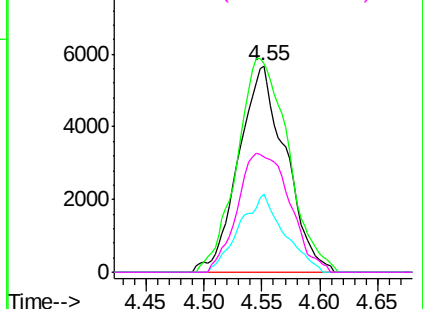
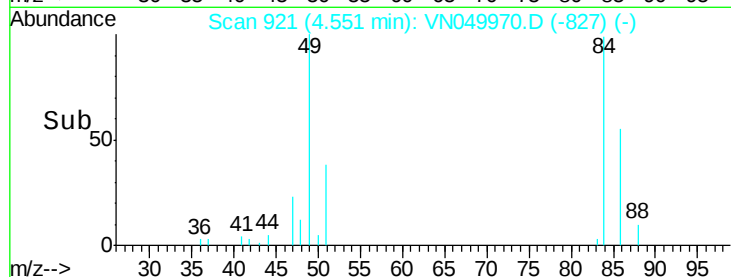
#20
Methvlene Chloride
Concen: 2.23 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

Tot Ion: 84 Resp: 16011
Ion Ratio Lower Upper
84 100
49 101.4 95.4 143.2
51 38.0 28.4 42.6
86 56.0 52.6 79.0

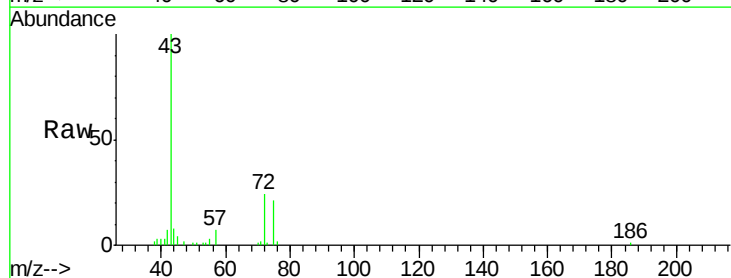


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

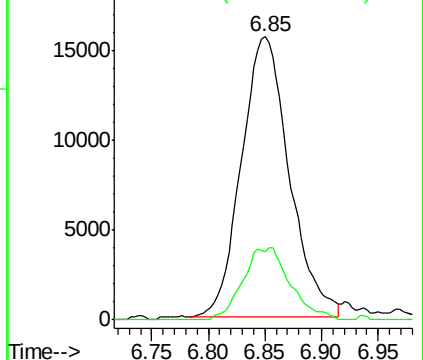
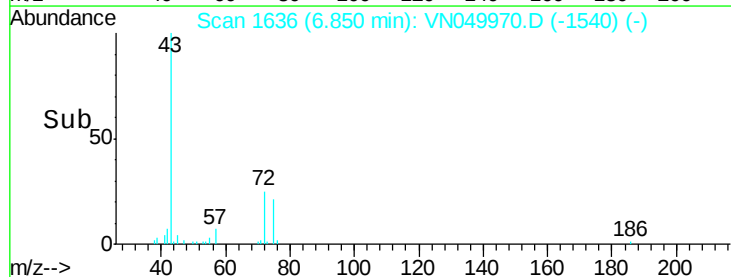


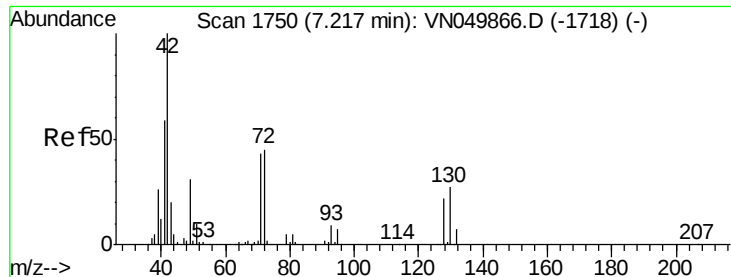
#25
2-Butanone
Concen: 17.02 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion: 43 Resp: 46011
Ion Ratio Lower Upper
43 100
72 24.6 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: 13.36 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#10

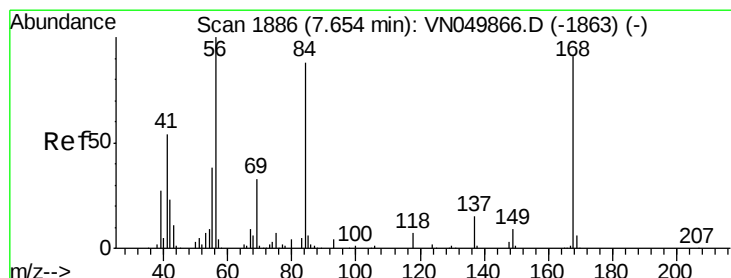
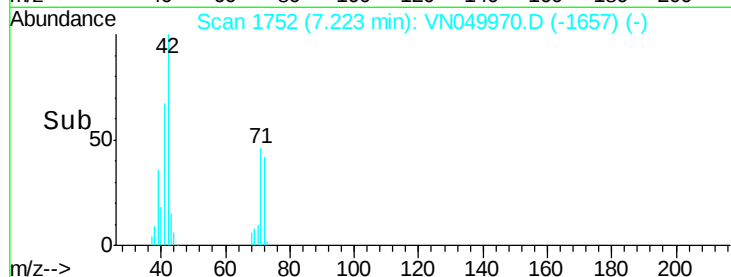
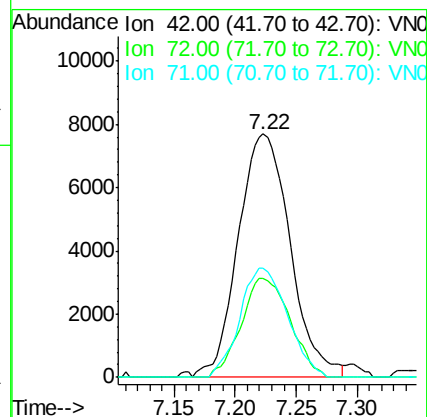
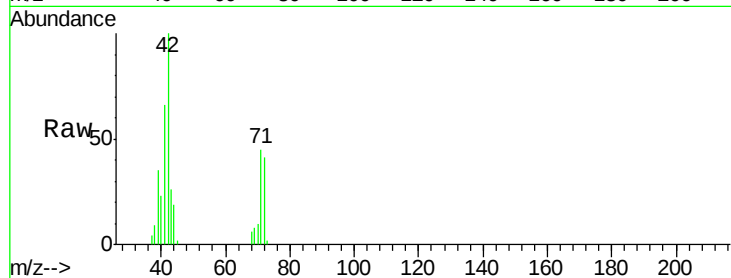
Tot Ion: 42 Resp: 22745

Ion Ratio Lower Upper

42 100

72 38.3 35.6 53.4

71 41.1 34.0 51.0



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

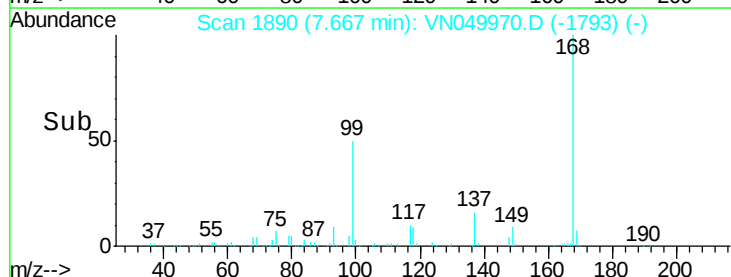
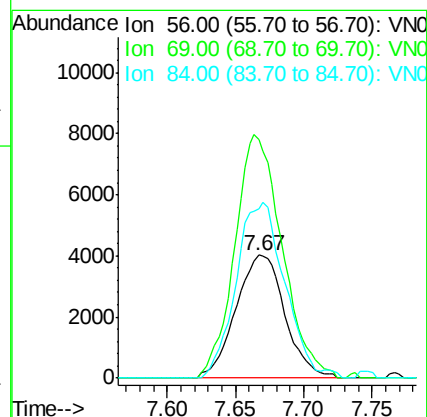
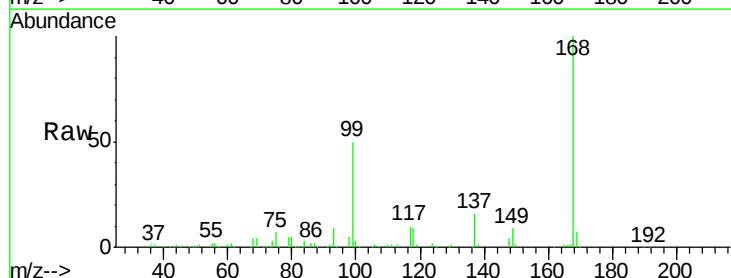
Tgt Ion: 56 Resp: 10052

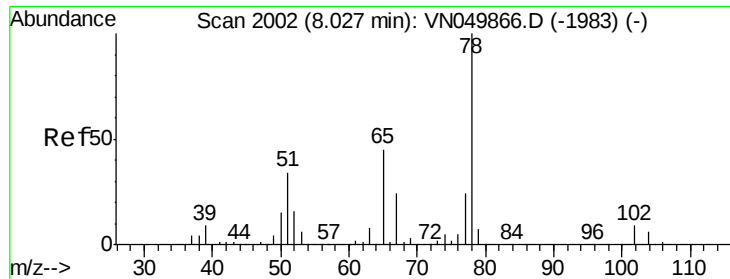
Ion Ratio Lower Upper

56 100

69 193.6 26.6 40.0#

84 137.5 69.0 103.6#

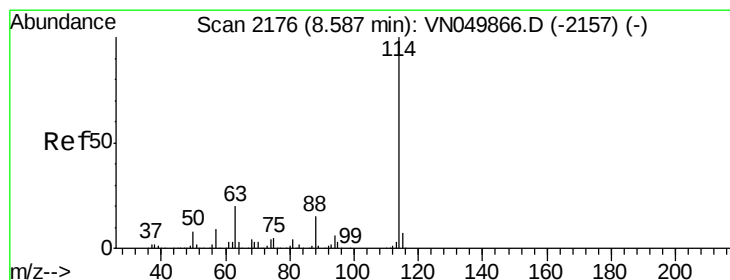
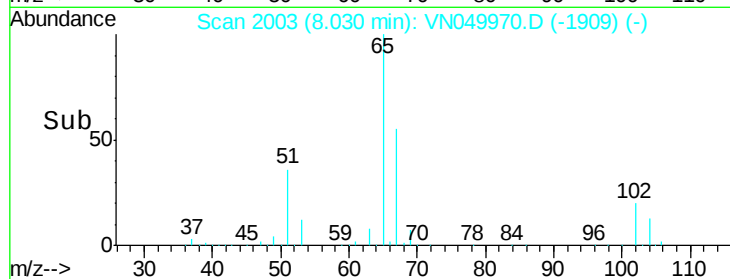
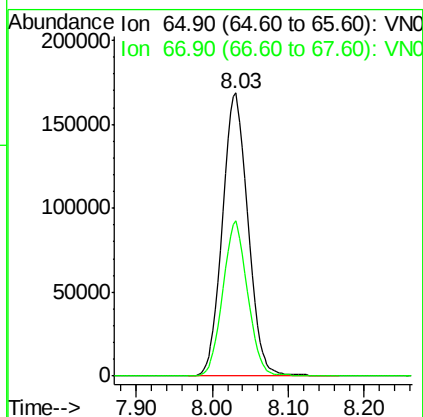
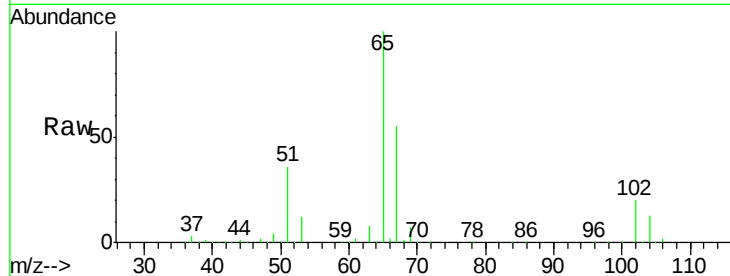




#33
 1,2-Dichloroethane-d4
 Concen: 54.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049970.D
 Acq: 20 Jul 2018 18:31

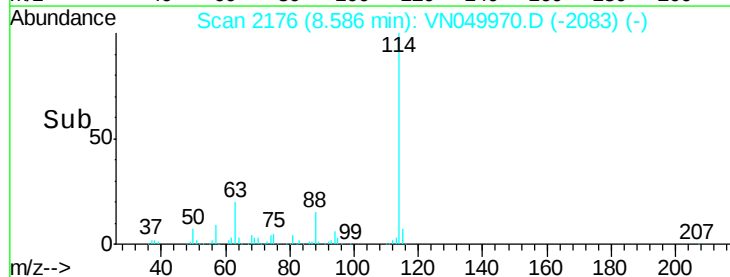
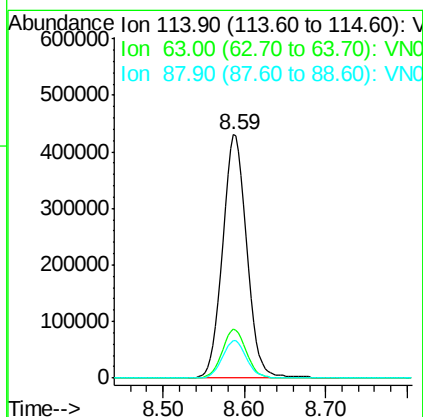
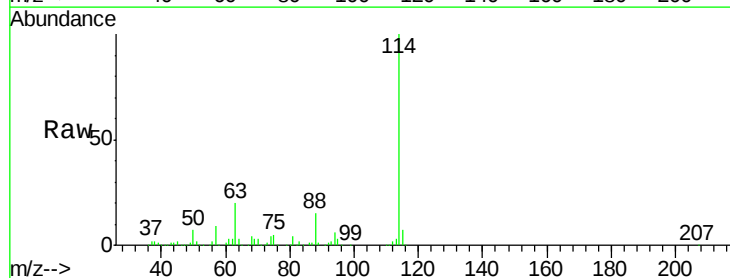
Instrument :
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 PB111289ZHE#10

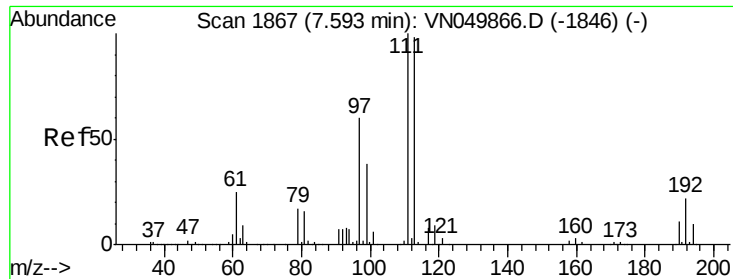
Tot Ion: 65 Resp: 397120
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049970.D
 Acq: 20 Jul 2018 18:31

Tgt Ion: 114 Resp: 906511
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.06 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#10

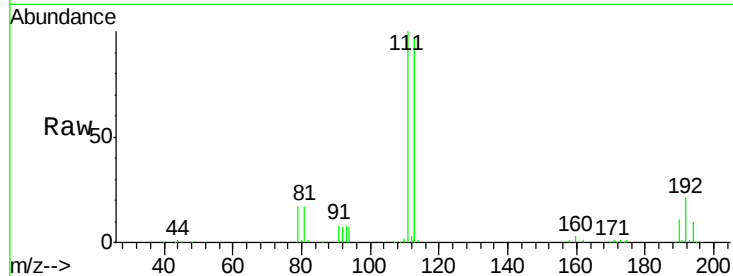
Tot Ion:113 Resp: 342886

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

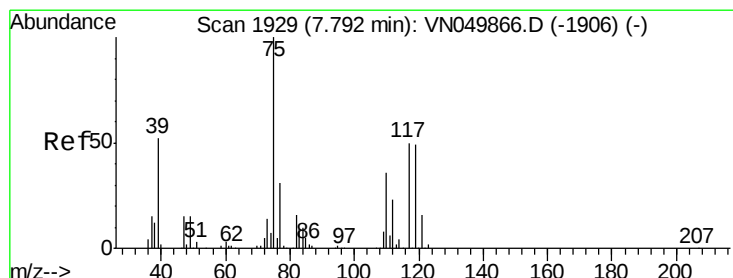
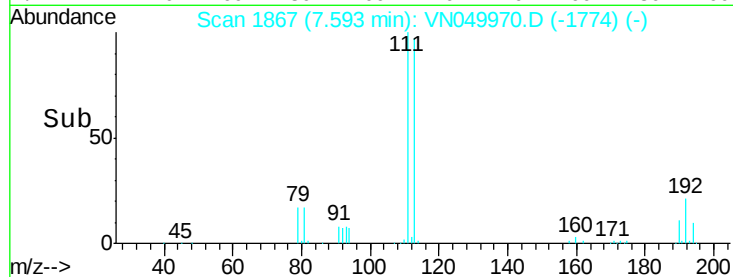
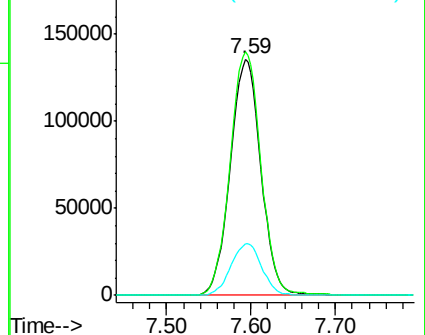
192 22.1 17.8 26.6



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: 3.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

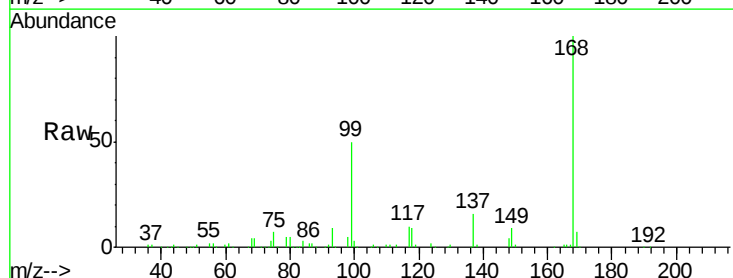
Tgt Ion: 75 Resp: 38346

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.4#

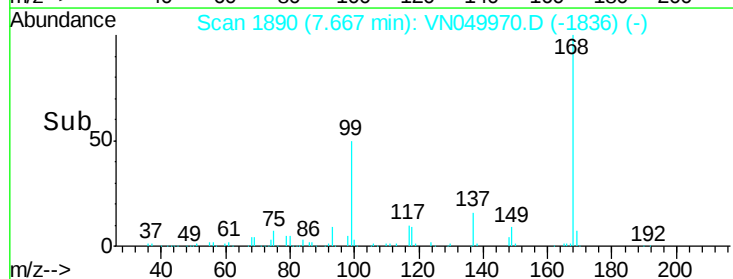
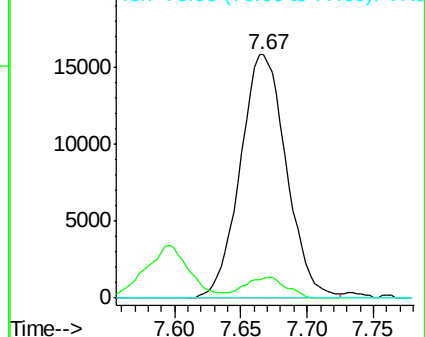
77 0.0 24.9 37.3#

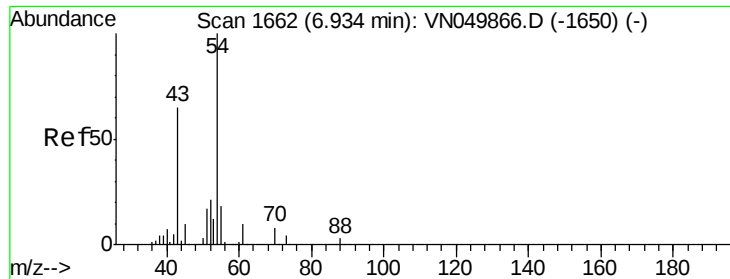


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

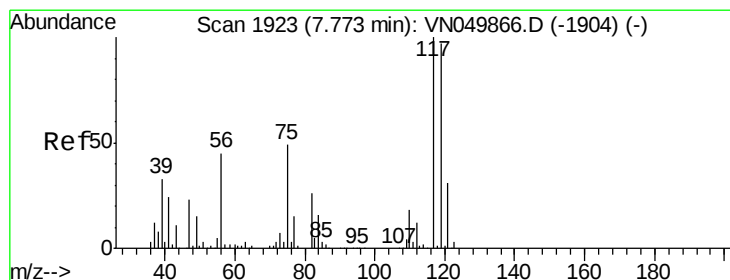
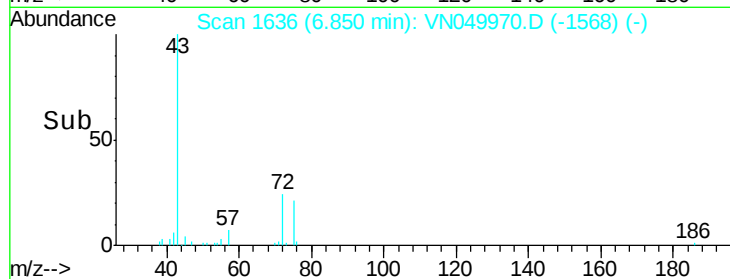
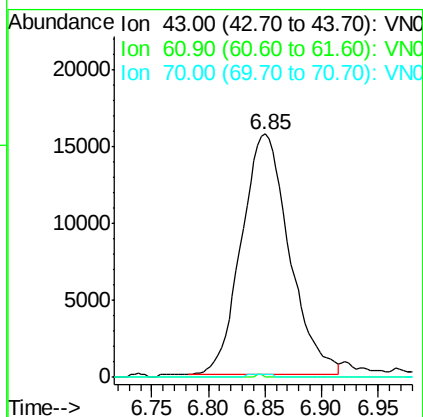
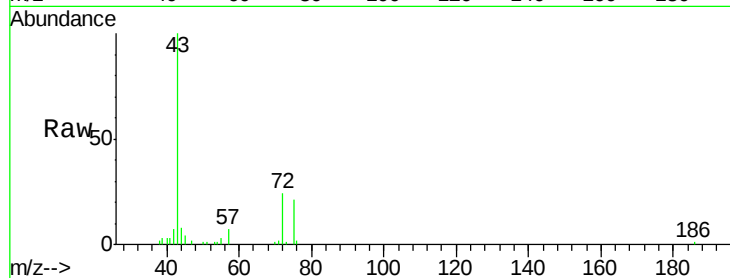




#37
Ethyl Acetate
Concen: 6.65 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.08 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

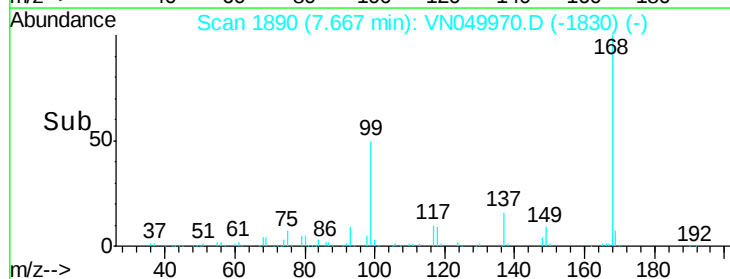
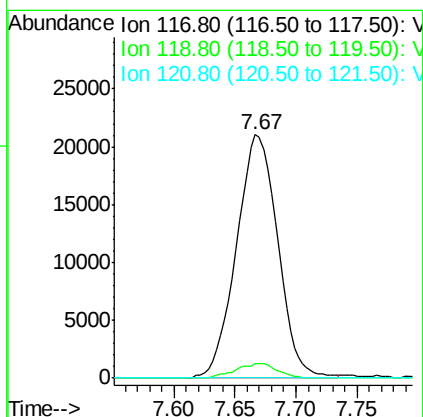
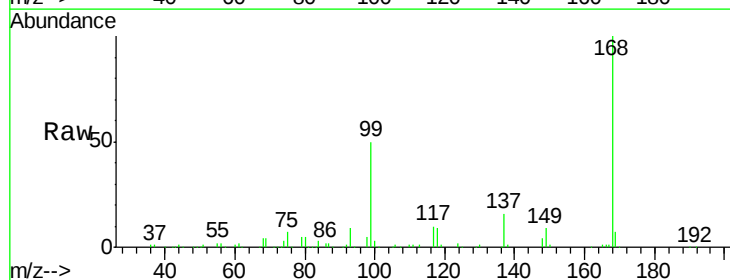
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

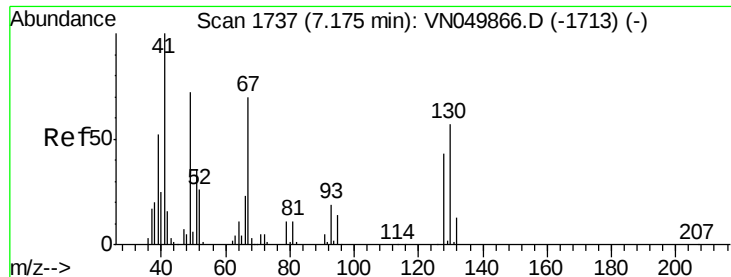
Tot Ion: 43 Resp: 46011
Ion Ratio Lower Upper
43 100
61 0.1 11.7 17.5#
70 0.4 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.57 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion: 117 Resp: 49355
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#

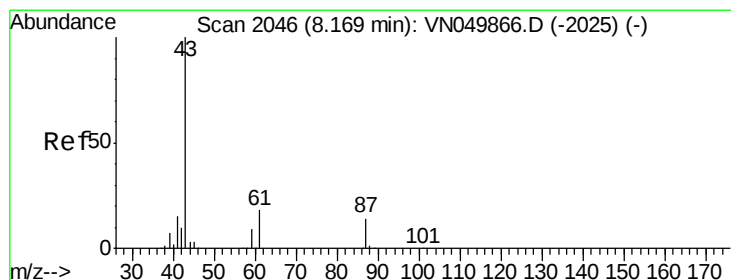
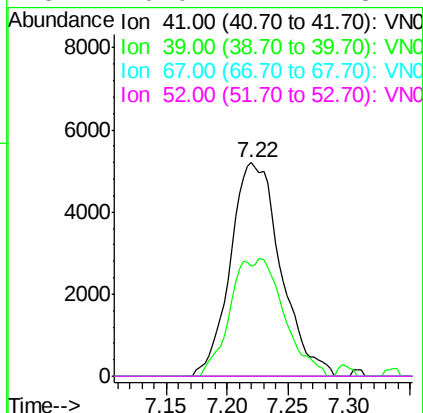
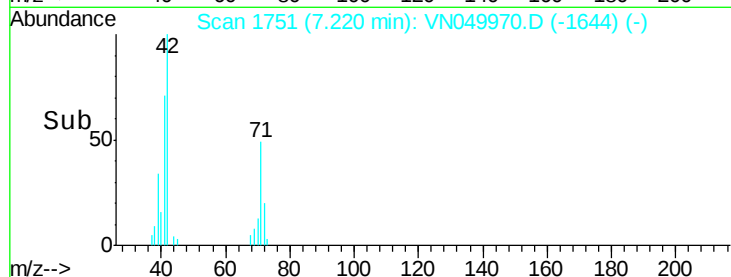
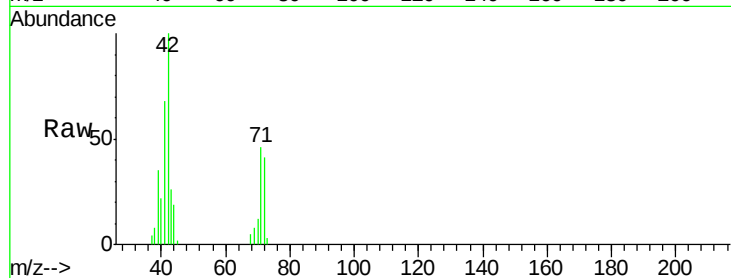




#41
Methacrylonitrile
Concen: 4.29 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

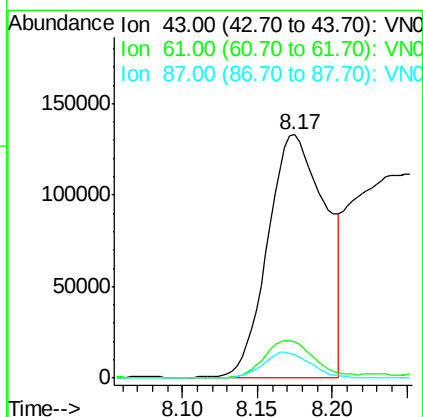
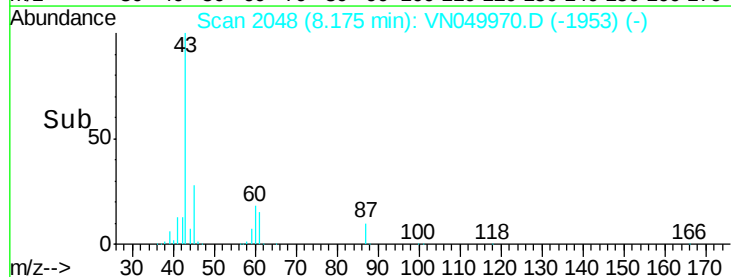
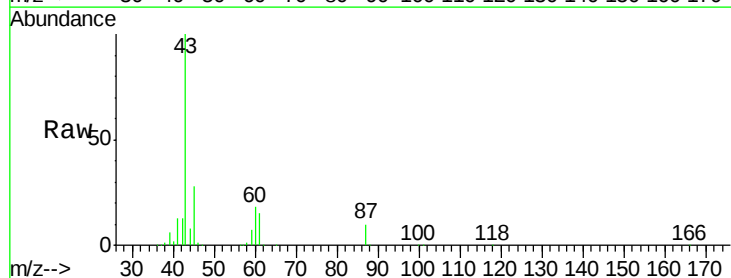
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

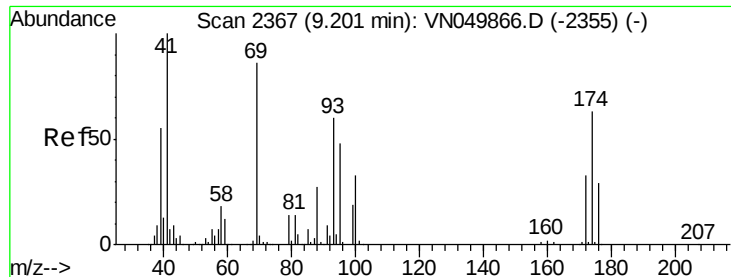
Tot Ion	Ratio	Lower	Upper
41	100		
39	25.8	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 29.52 ug/l
RT: 8.17 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	14.9	22.3#
87	8.8	10.0	15.0#

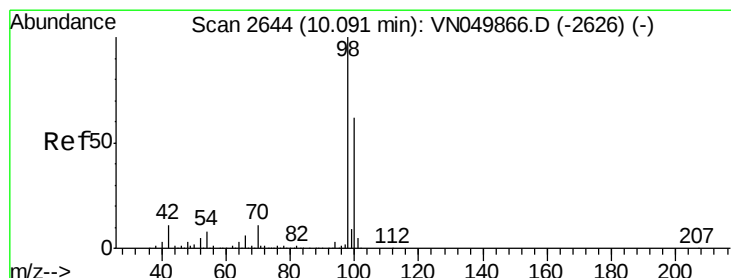
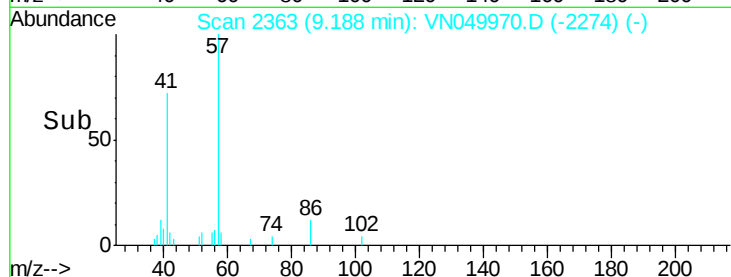
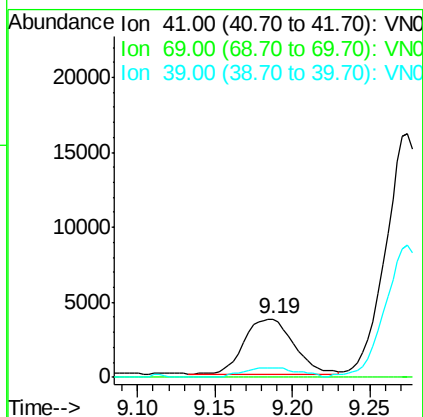
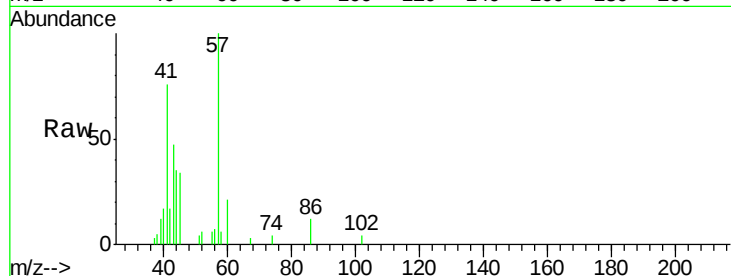




#48
Methvl methacrylate
Concen: 1.37 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

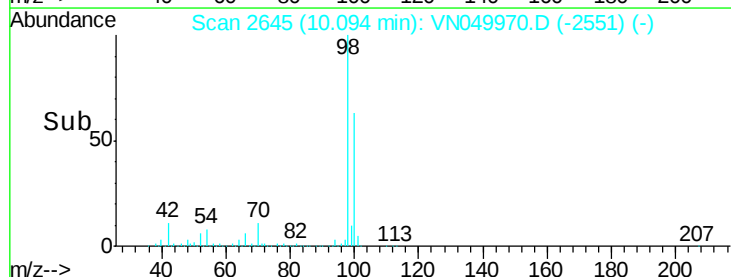
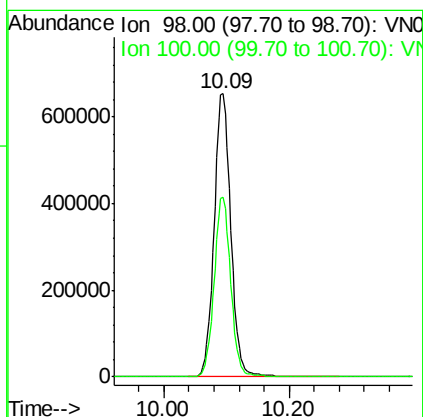
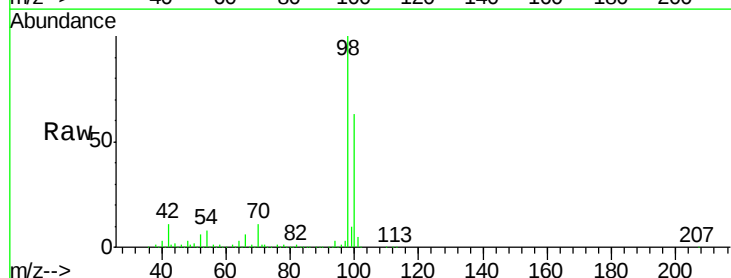
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

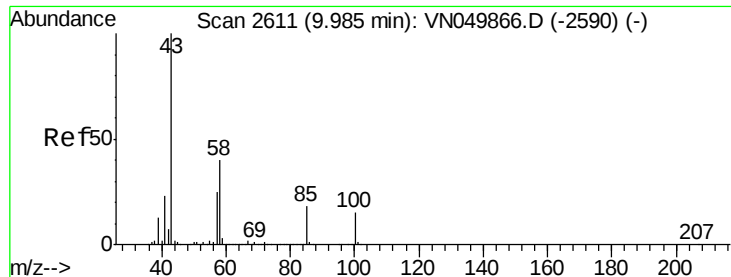
Tot Ion: 41 Resp: 8292
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.7 44.7 67.1#



#50
Toluene-d8
Concen: 43.60 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion: 98 Resp: 1208992
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

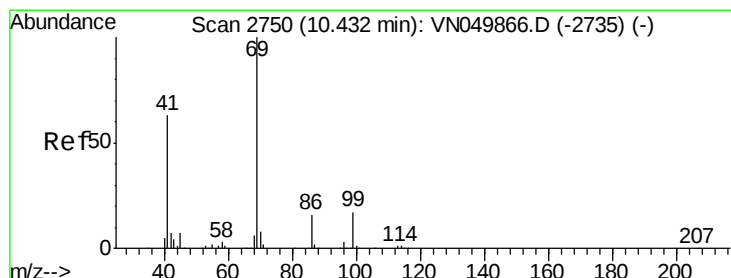
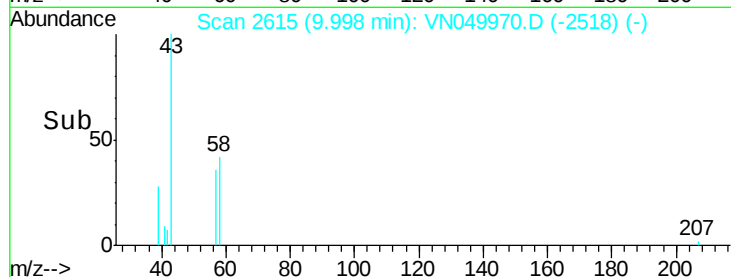
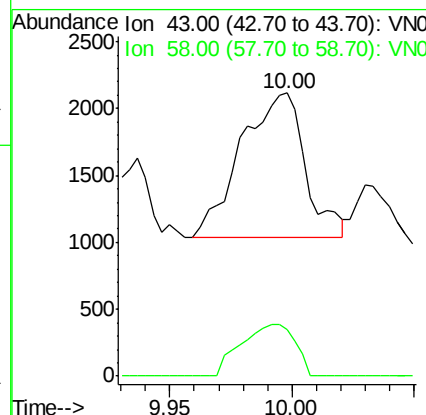
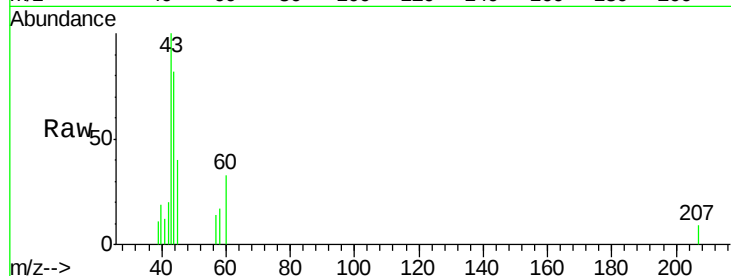




#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 10.00 min Scan# 2615
Delta R.T. 0.01 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

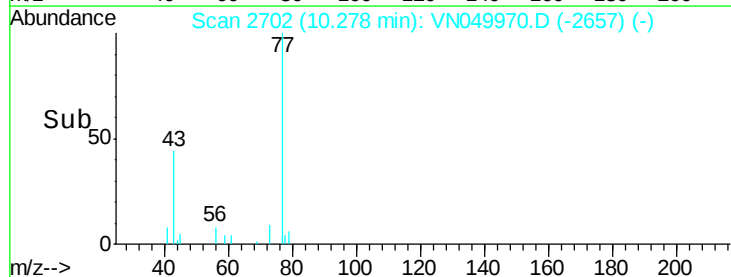
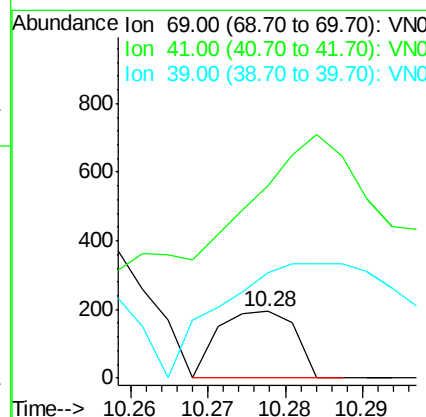
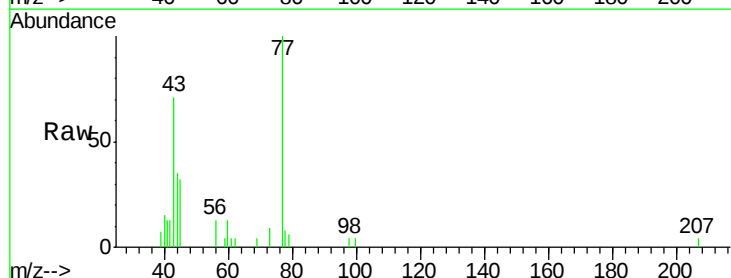
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

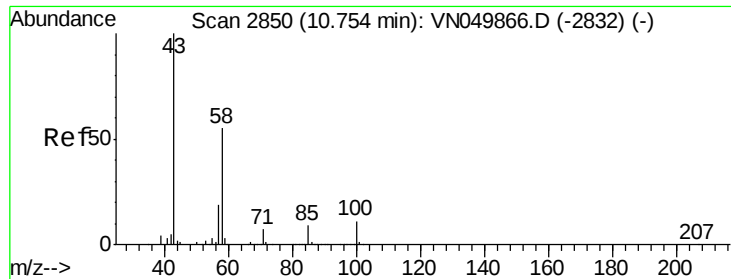
Tot Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 30.3 31.8 47.8#



#56
Ethyl methacrylate
Concen: 2.17 ug/l
RT: 10.28 min Scan# 2702
Delta R.T. -0.15 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion: 69 Resp: 134
Ion Ratio Lower Upper
69 100
41 1311.9 51.6 77.4#
39 441.0 25.8 38.8#





#59

2-Hexanone

Concen: 4.41 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

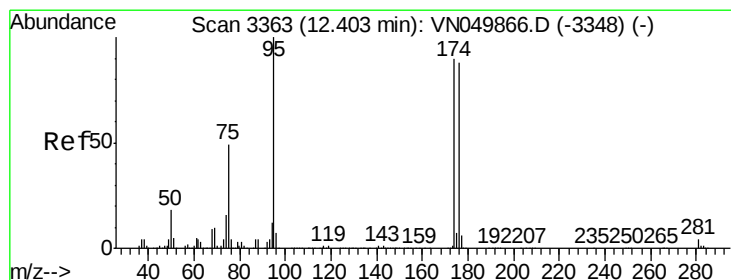
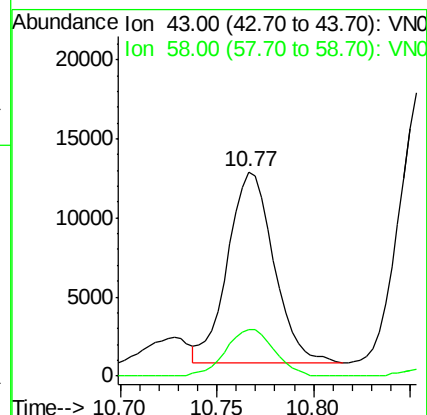
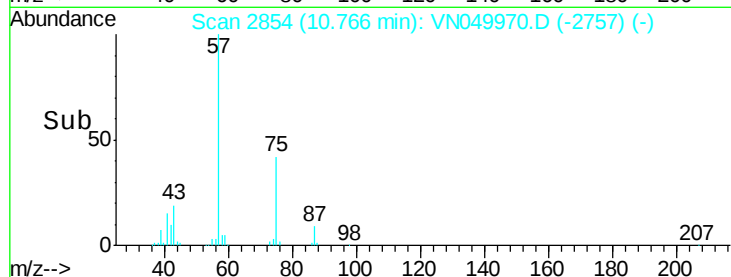
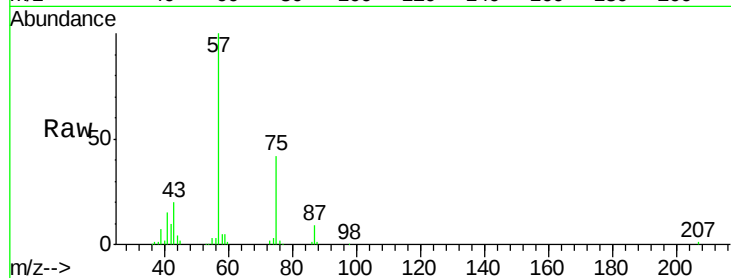
PB111289ZHE#10

Tot Ion: 43 Resp: 20015

Ion Ratio Lower Upper

43 100

58 25.7 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 35.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

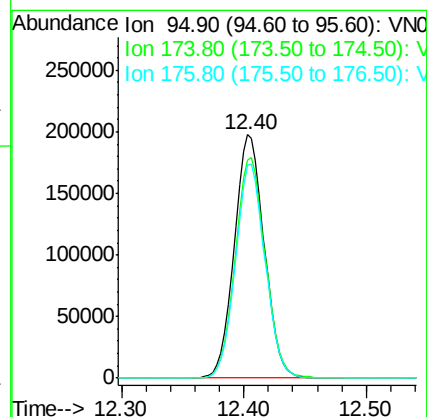
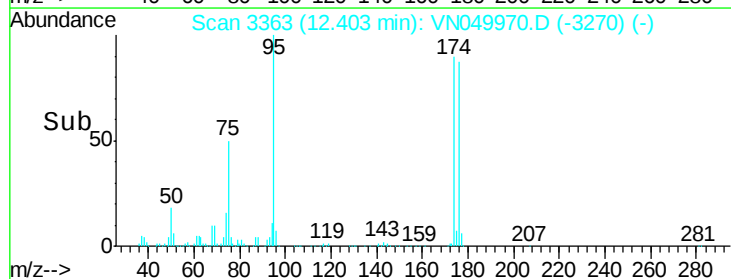
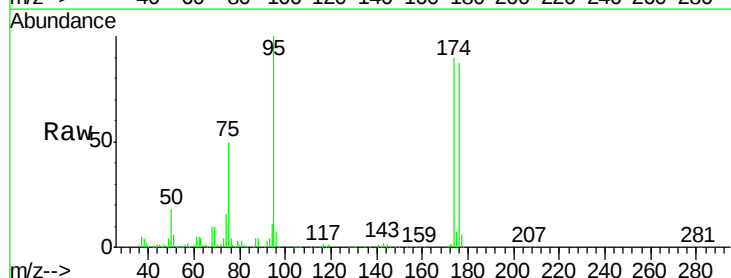
Tgt Ion: 95 Resp: 336962

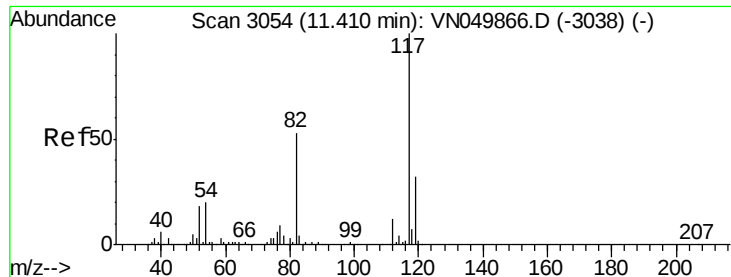
Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

176 87.2 0.0 174.0

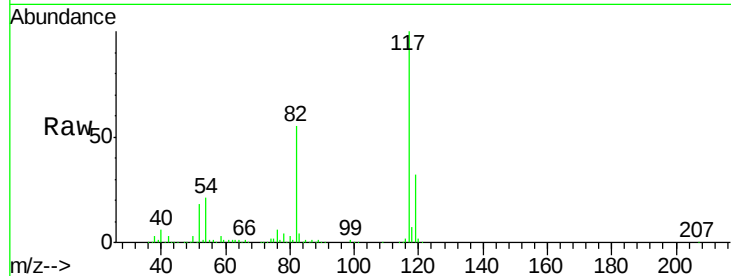




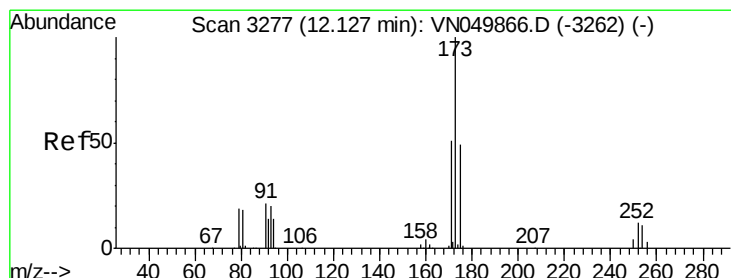
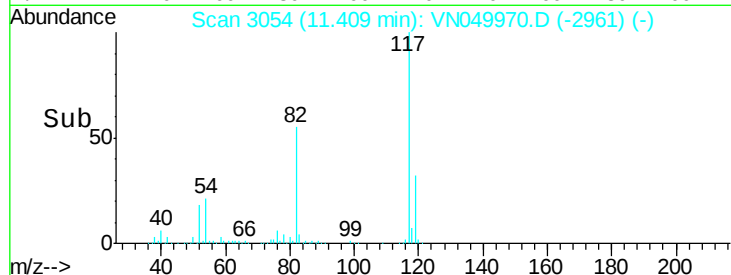
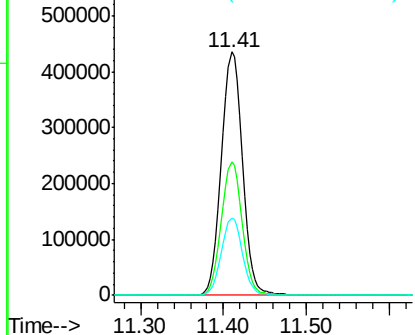
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#10

Tot Ion:117 Resp: 768982
Ion Ratio Lower Upper
117 100
82 54.8 41.9 62.9
119 31.9 25.4 38.2

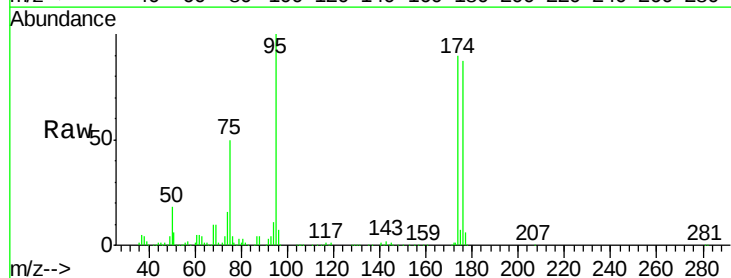


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

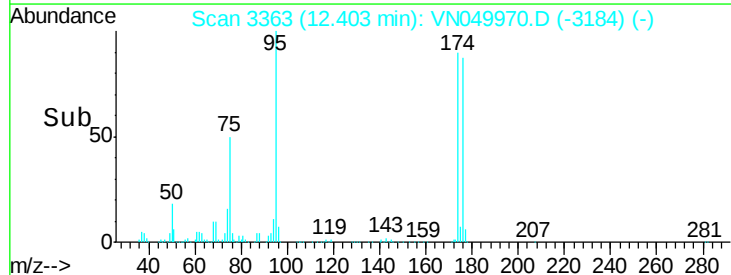
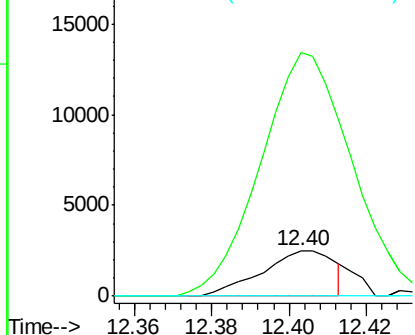


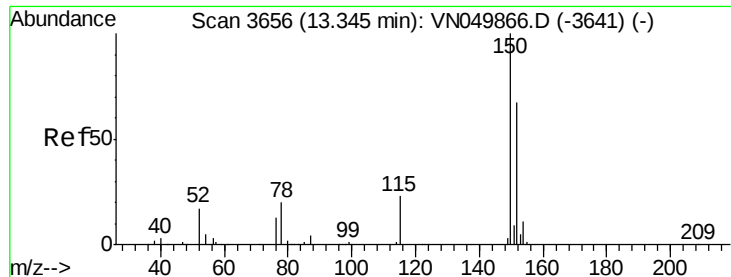
#71
Bromoform
Concen: 0.61 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049970.D
Acq: 20 Jul 2018 18:31

Tgt Ion:173 Resp: 3240
Ion Ratio Lower Upper
173 100
175 547.5 24.6 73.8#
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: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#10

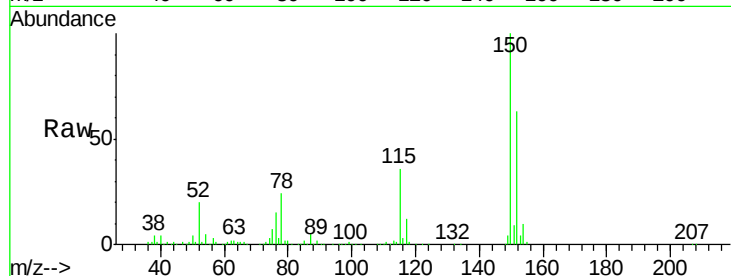
Tot Ion:152 Resp: 285480

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

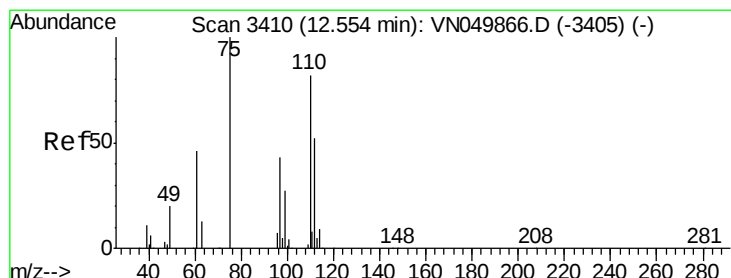
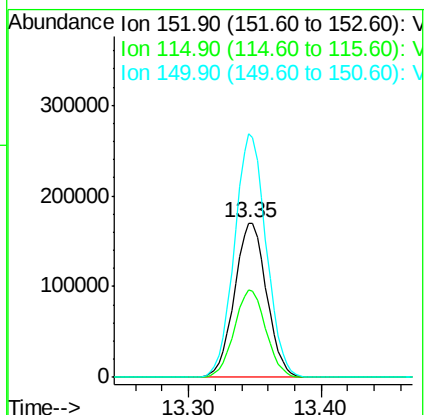
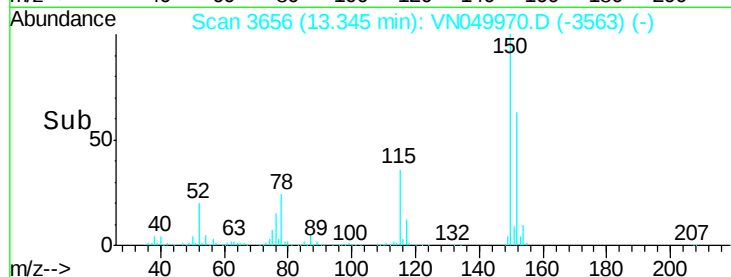
150 156.1 0.0 347.6



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: 30.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049970.D

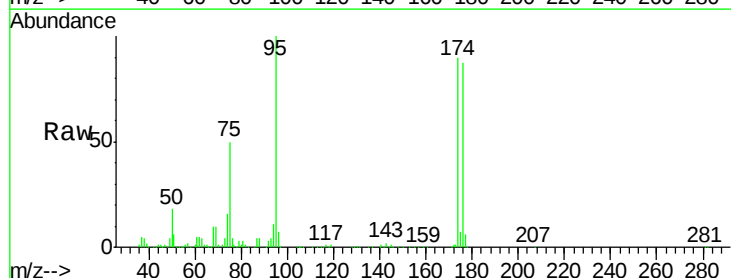
Acq: 20 Jul 2018 18:31

Tgt Ion: 75 Resp: 164676

Ion Ratio Lower Upper

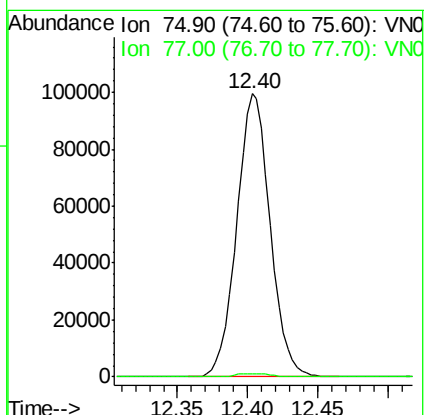
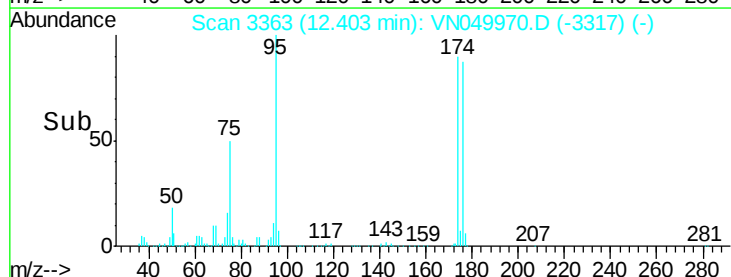
75 100

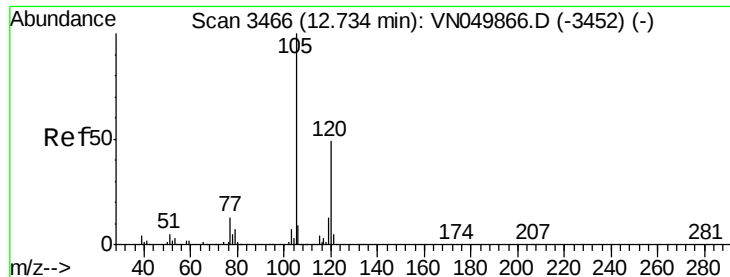
77 1.2 0.0 0.0#



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: 0.25 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

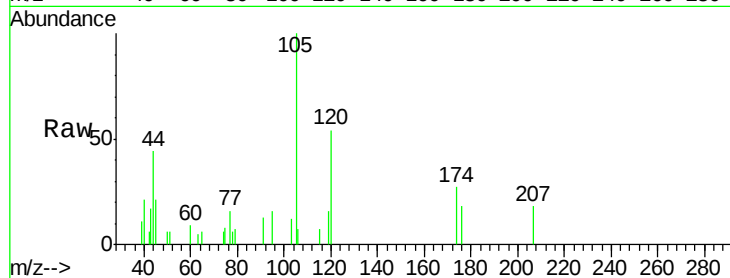
PB111289ZHE#10

Tot Ion:105 Resp: 4270

Ion Ratio Lower Upper

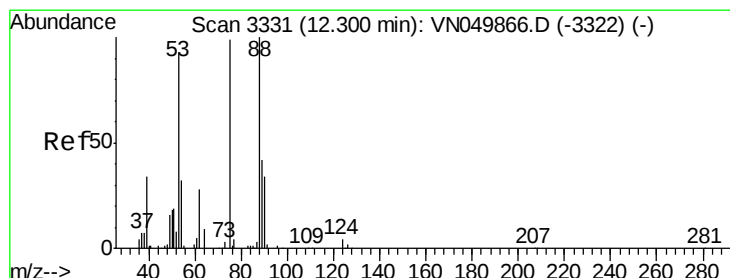
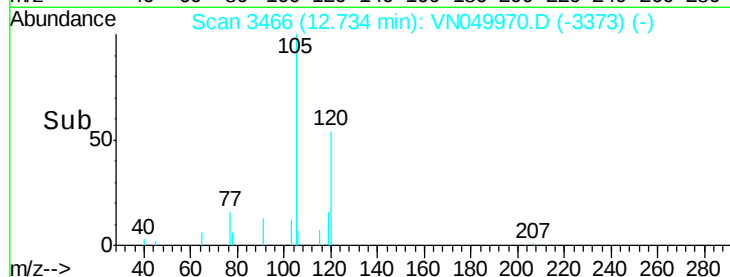
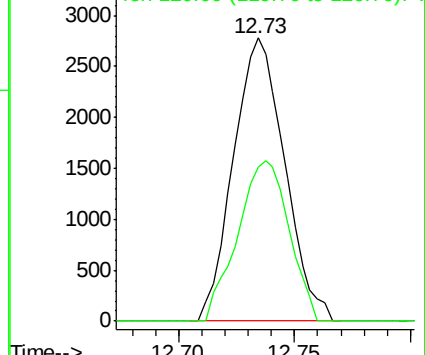
105 100

120 56.6 24.3 72.8



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: 96.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049970.D

Acq: 20 Jul 2018 18:31

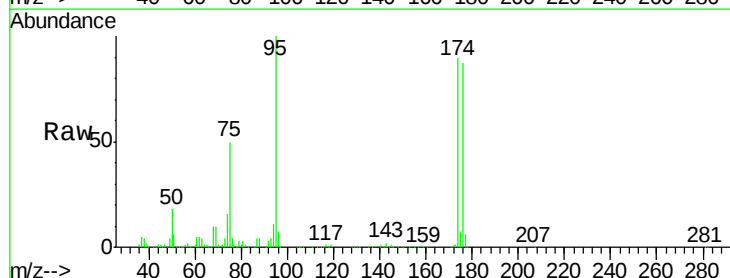
Tgt Ion: 75 Resp: 164676

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

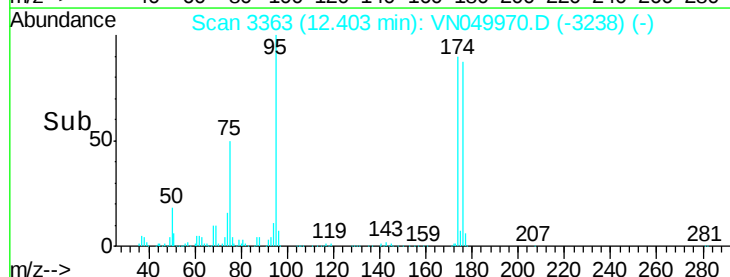
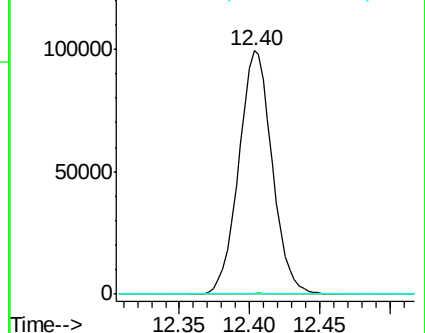
89 0.0 35.9 53.9#

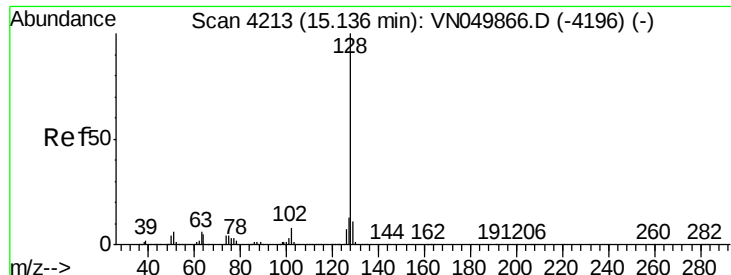


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049970.D

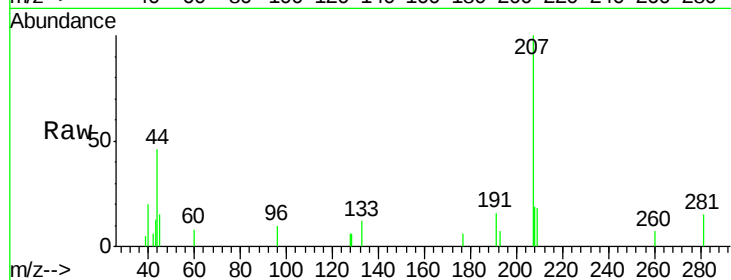
Acq: 20 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#10



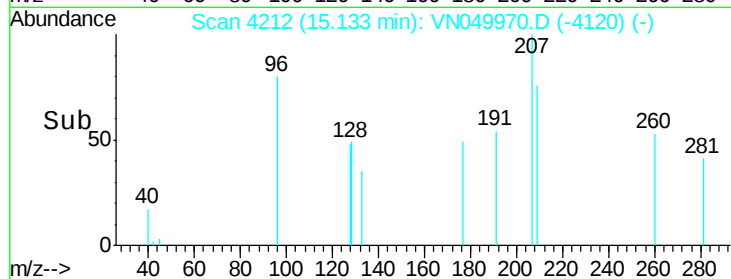
Tot Ion:128 Resp: 211

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

