

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049965.D
 Acq On : 20 Jul 2018 16:21
 Operator : MD\SY
 Sample : PB111289ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#05

Quant Time: Jul 20 23:47:54 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	552055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	784954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282729	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	403831	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	7.59	113	356326	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
50) Toluene-d8	10.09	98	1225388	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
62) 4-Bromofluorobenzene	12.40	95	338684	34.56	ug/l	0.00
Spiked Amount			Recovery	=	69.12%	

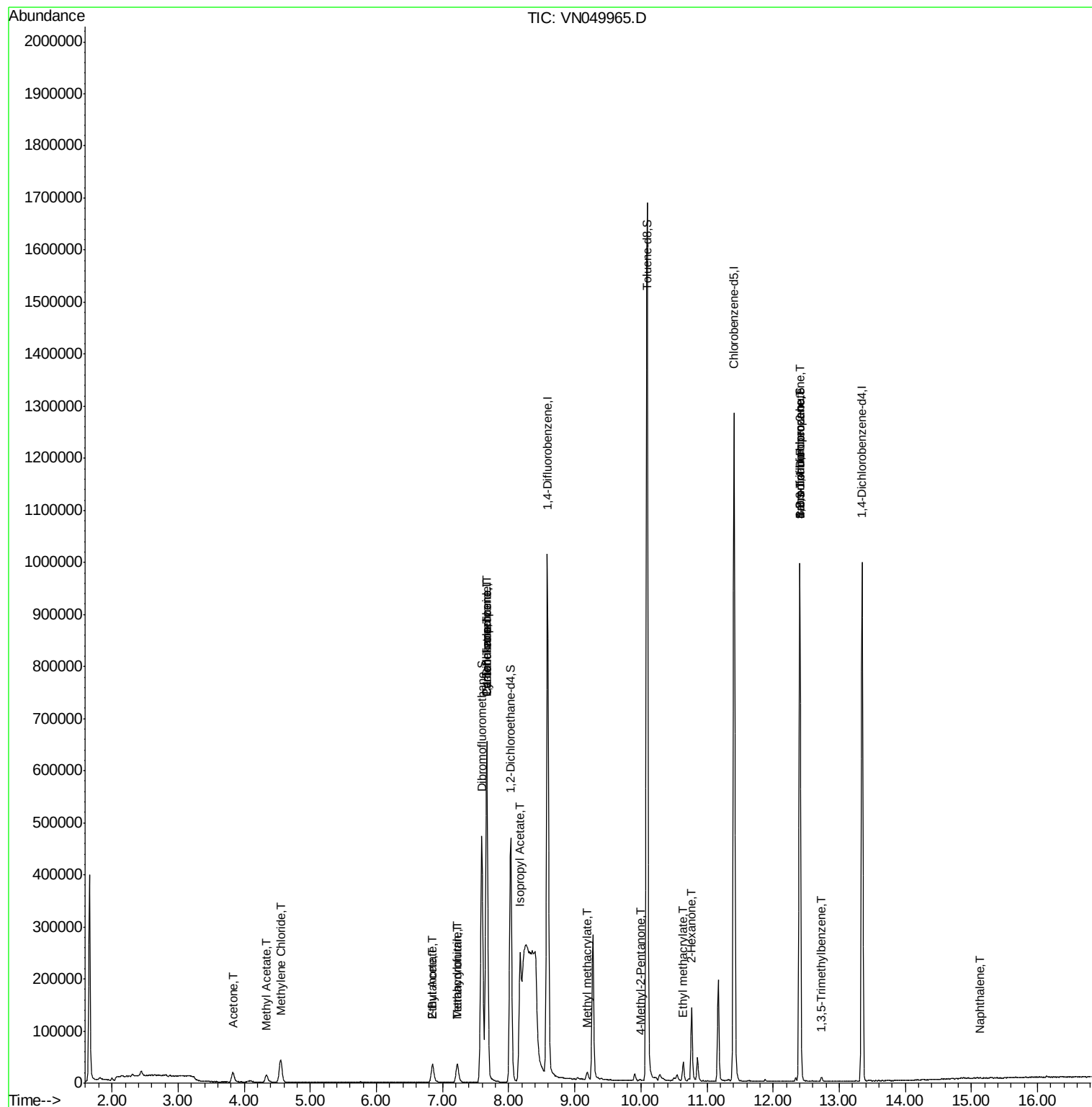
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	814	Below Cal	#	71
16) Acetone	3.82	43	33098	16.85	ug/l	96
18) Methyl Acetate	4.34	43	26979	3.60	ug/l	# 75
20) Methylene Chloride	4.55	84	32755	4.38	ug/l	93
25) 2-Butanone	6.85	43	56492	20.12	ug/l	98
29) Tetrahydrofuran	7.22	42	27914	15.78	ug/l	97
31) Cyclohexane	7.67	56	10325	1.02	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	40849	3.95	ug/l	# 49
37) Ethyl Acetate	6.85	43	56492	7.95	ug/l	# 68
38) Carbon Tetrachloride	7.67	117	50804	4.59	ug/l	# 17
41) Methacrylonitrile	7.22	41	18490	5.19	ug/l	# 45
43) Isopropyl Acetate	8.17	43	306548	24.71	ug/l	# 93
48) Methyl methacrylate	9.18	41	7854	1.26	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	1911	0.28	ug/l	89
56) Ethyl methacrylate	10.63	69	359	2.19	ug/l	# 1
59) 2-Hexanone	10.77	43	20093	4.31	ug/l	# 55
71) Bromoform	12.41	173	3187	0.58	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	167541	31.59	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	3526	0.20	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	167541	98.78	ug/l	# 13
95) Naphthalene	15.14	128	636	4.53	ug/l	# 69

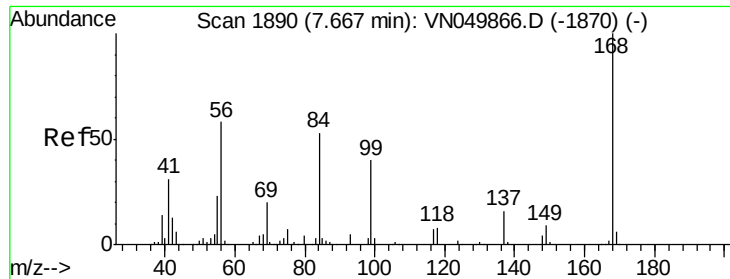
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

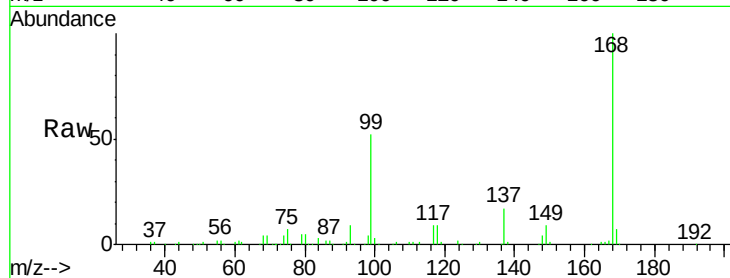
PB111289ZHE#05

Tot Ion:168 Resp: 552055

Ion Ratio Lower Upper

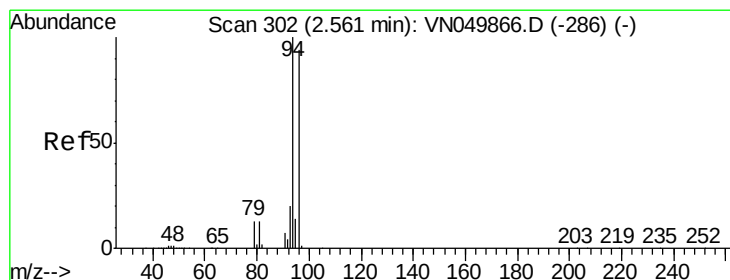
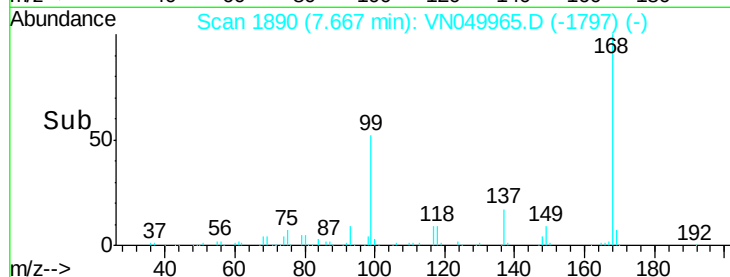
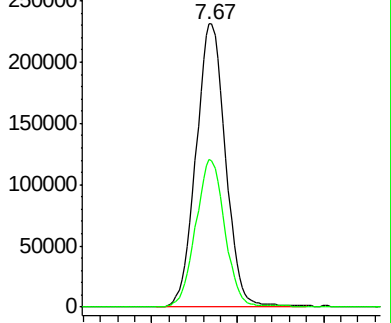
168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049965.D

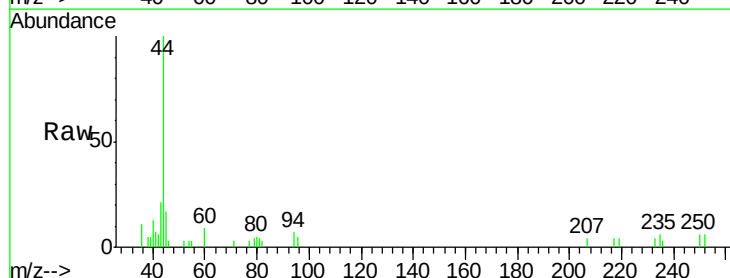
Acq: 20 Jul 2018 16:21

Tgt Ion: 94 Resp: 814

Ion Ratio Lower Upper

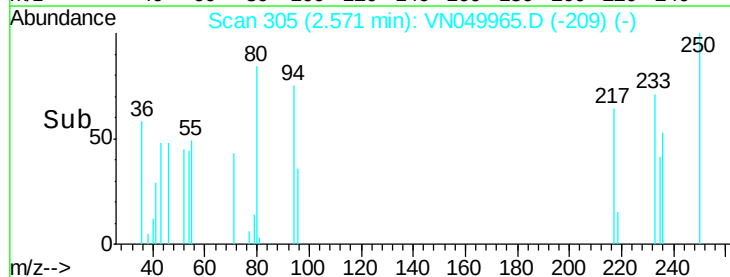
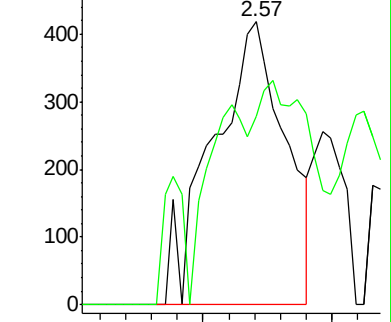
94 100

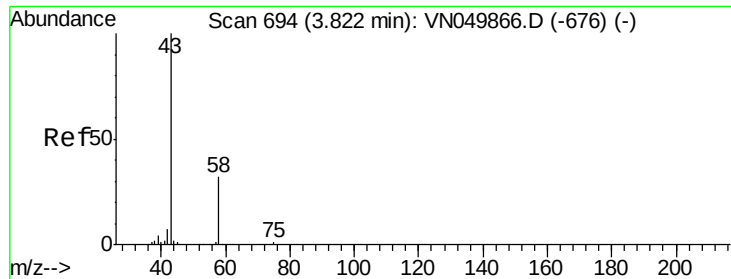
96 66.5 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#16

Acetone

Concen: 16.85 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

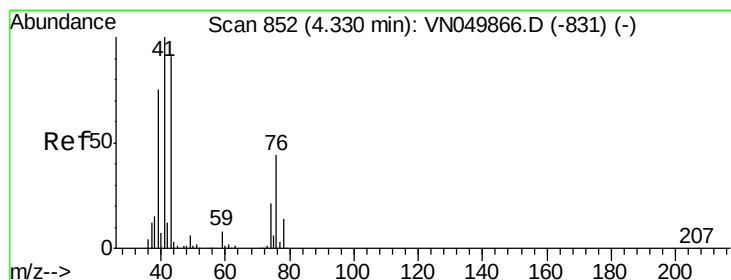
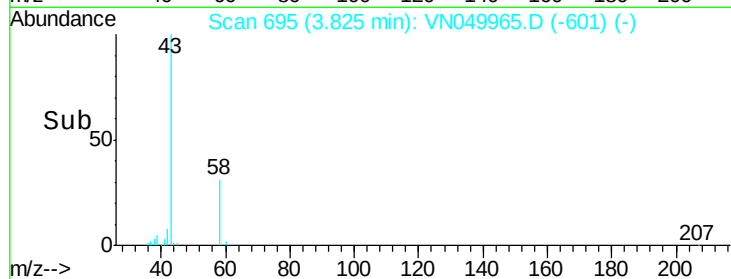
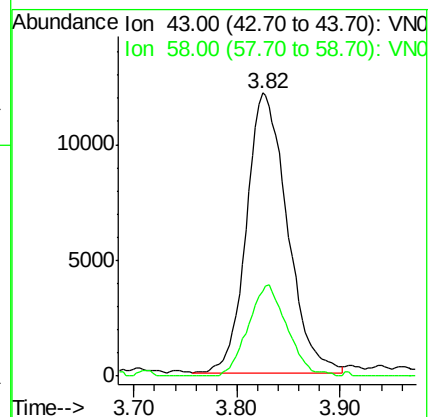
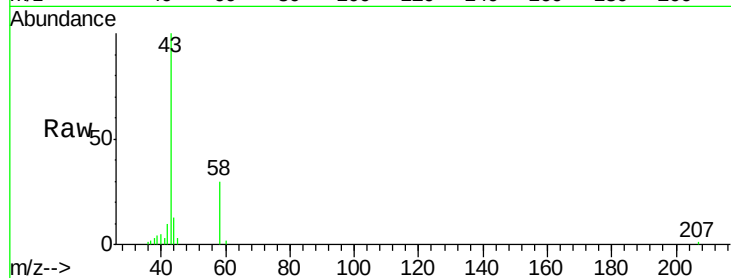
PB111289ZHE#05

Tot Ion: 43 Resp: 33098

Ion Ratio Lower Upper

43 100

58 30.2 25.9 38.9



#18

Methyl Acetate

Concen: 3.60 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049965.D

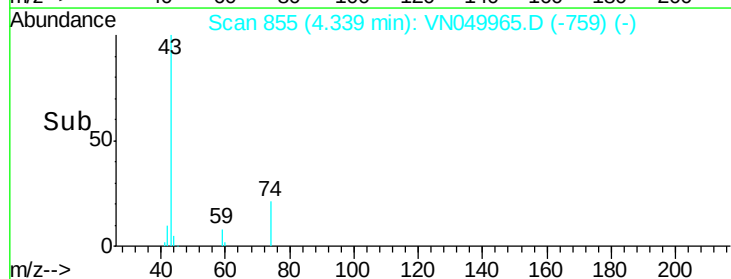
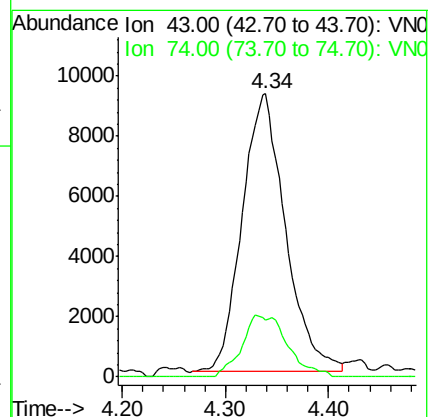
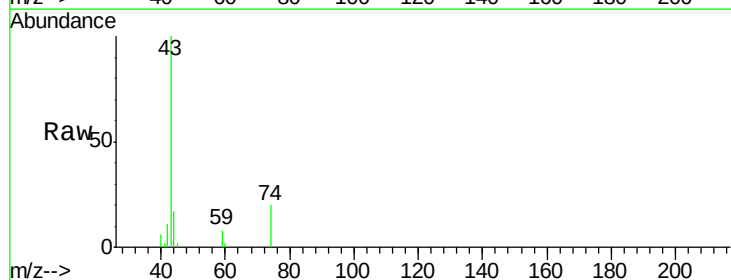
Acq: 20 Jul 2018 16:21

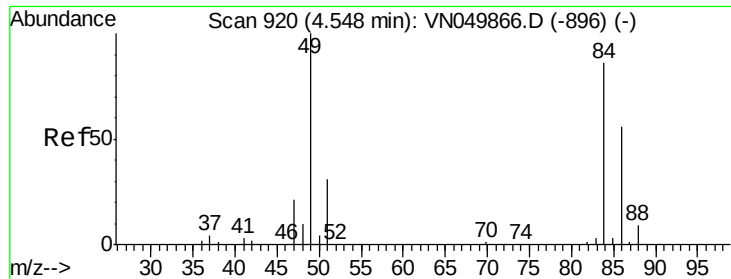
Tgt Ion: 43 Resp: 26979

Ion Ratio Lower Upper

43 100

74 12.3 19.8 29.8#

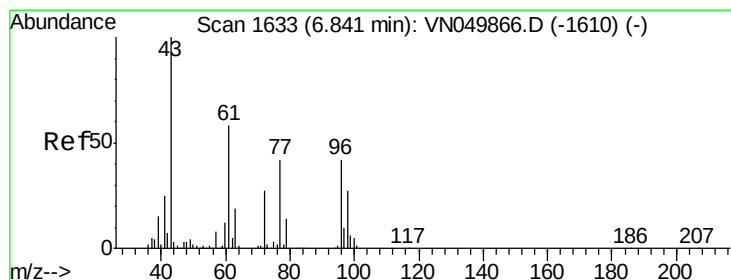
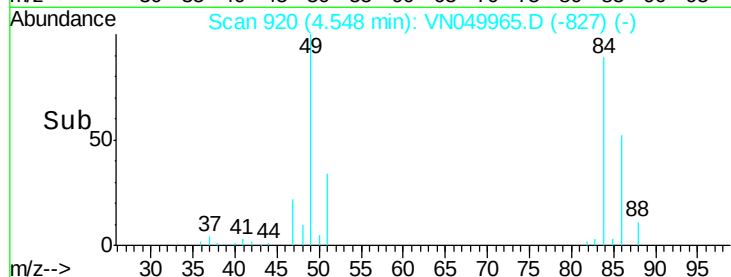
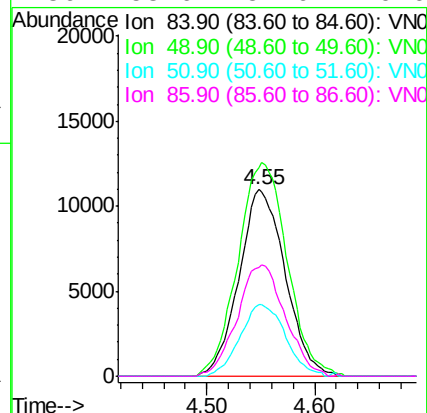
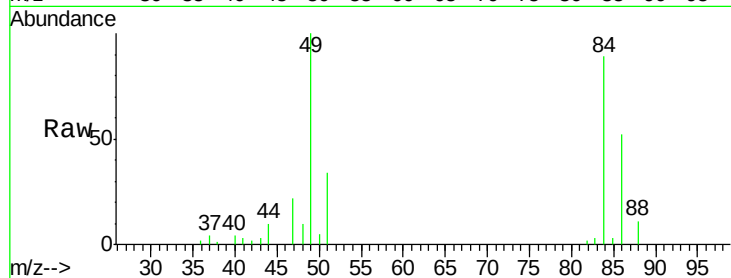




#20
Methvlene Chloride
Concen: 4.38 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

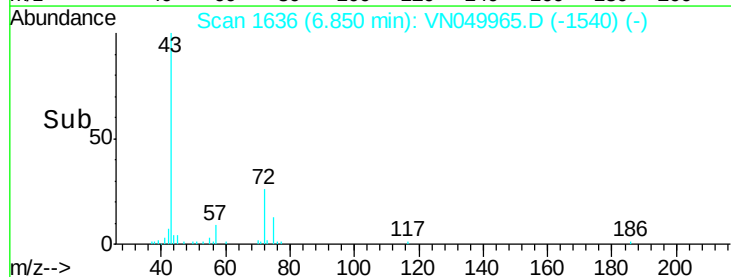
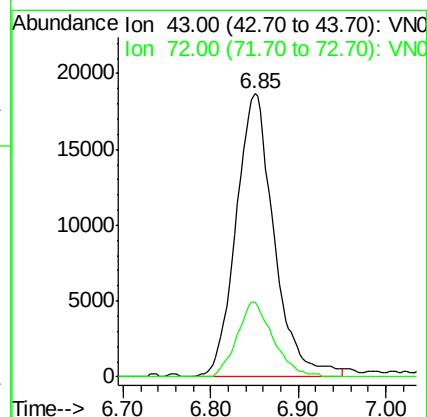
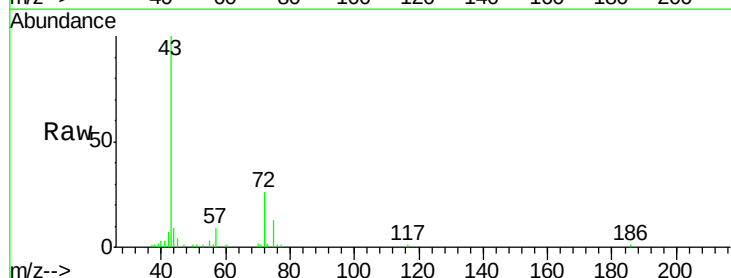
Instrument :
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PB111289ZHE#05

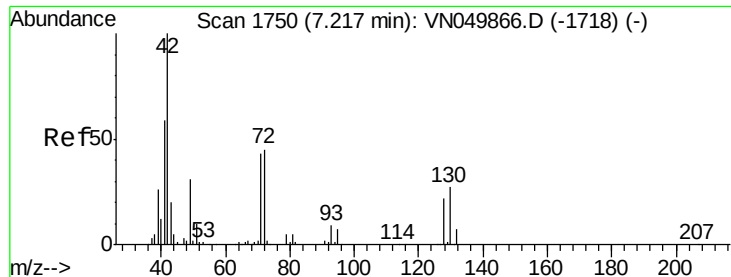
Tot Ion: 84 Resp: 32755
Ion Ratio Lower Upper
84 100
49 112.0 95.4 143.2
51 38.1 28.4 42.6
86 58.6 52.6 79.0



#25
2-Butanone
Concen: 20.12 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Tgt Ion: 43 Resp: 56492
Ion Ratio Lower Upper
43 100
72 26.4 22.1 33.1

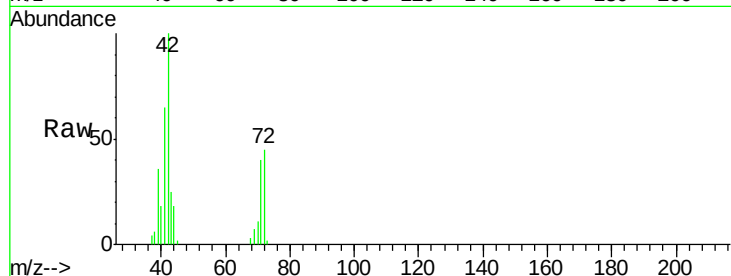




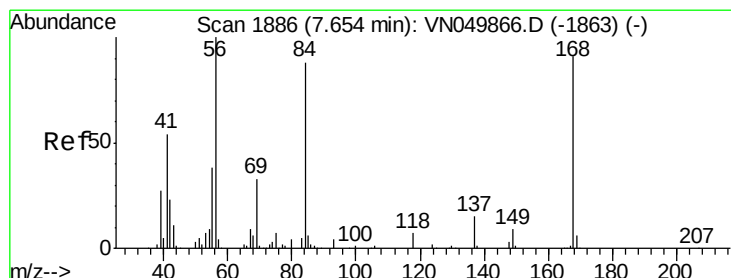
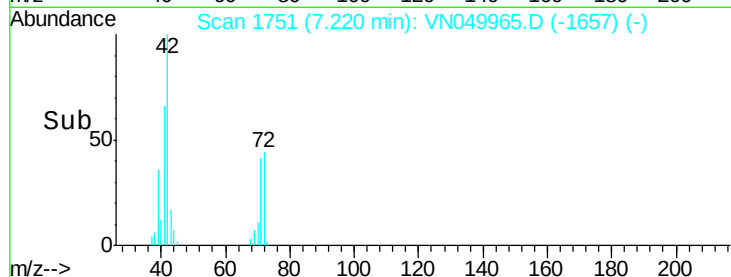
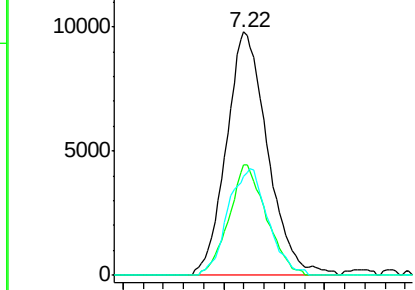
#29
Tetrahydrofuran
Concen: 15.78 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#05

Tot Ion: 42 Resp: 27914
Ion Ratio Lower Upper
42 100
72 41.0 35.6 53.4
71 42.4 34.0 51.0

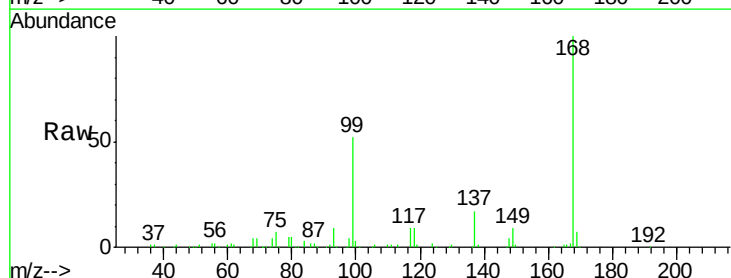


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

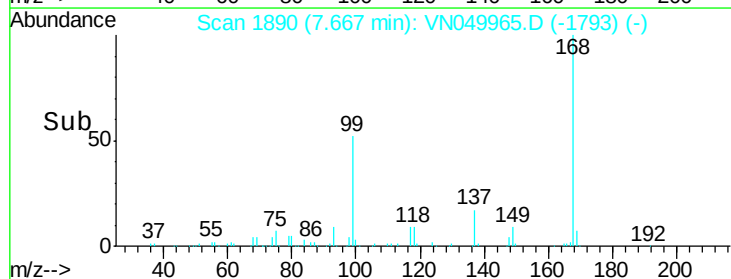
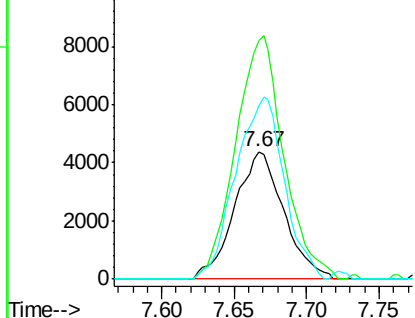


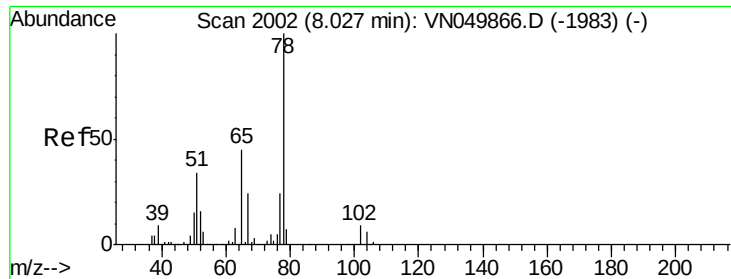
#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Tgt Ion: 56 Resp: 10325
Ion Ratio Lower Upper
56 100
69 187.5 26.6 40.0#
84 135.9 69.0 103.6#



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

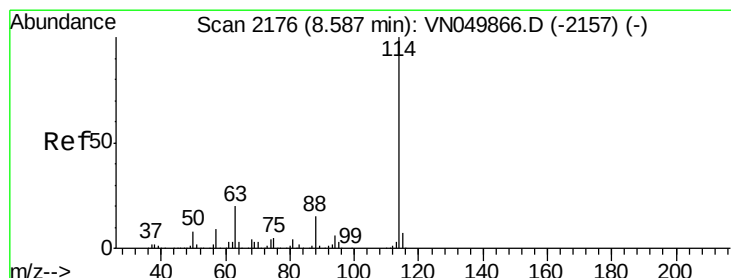
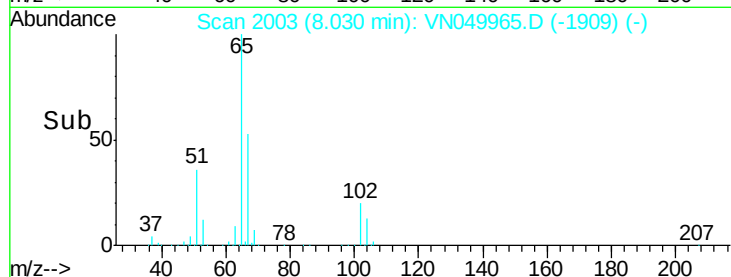
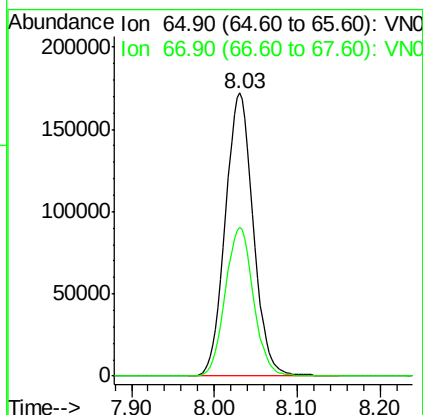
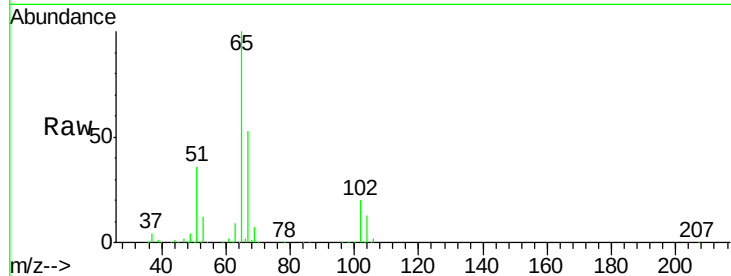




#33
 1,2-Dichloroethane-d4
 Concen: 53.22 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

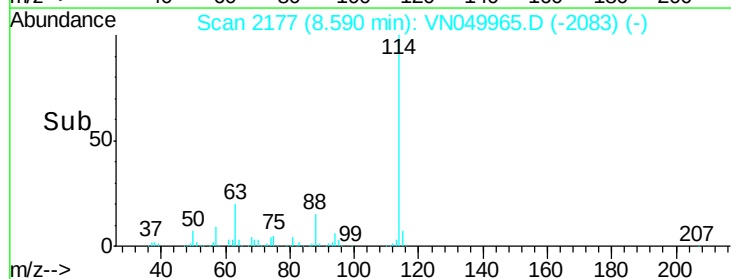
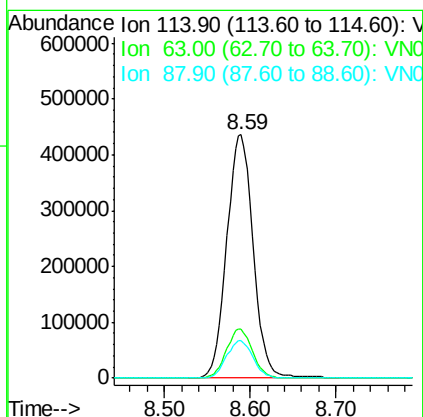
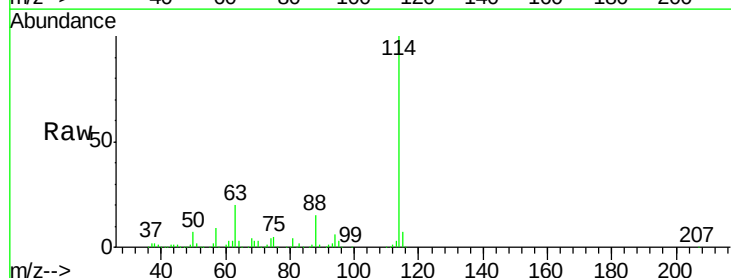
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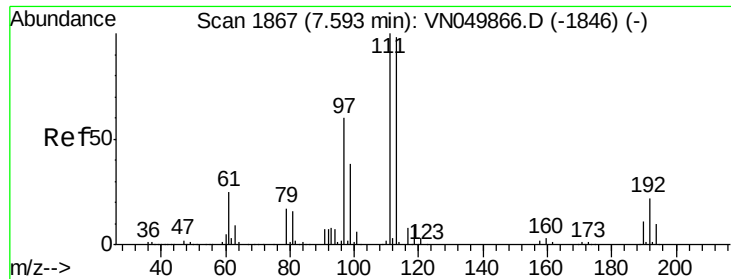
Tot Ion: 65 Resp: 403831
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

Tgt Ion: 114 Resp: 930152
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.3 0.0 30.6

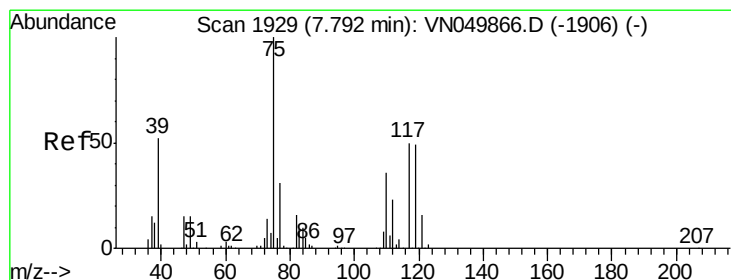
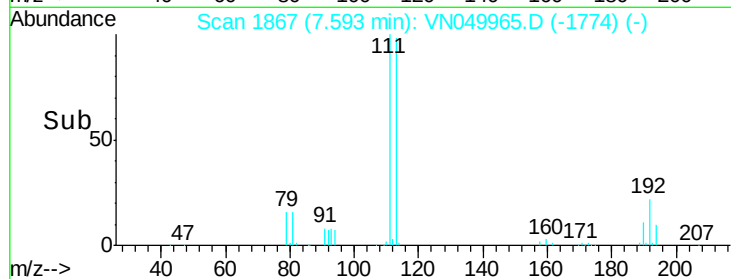
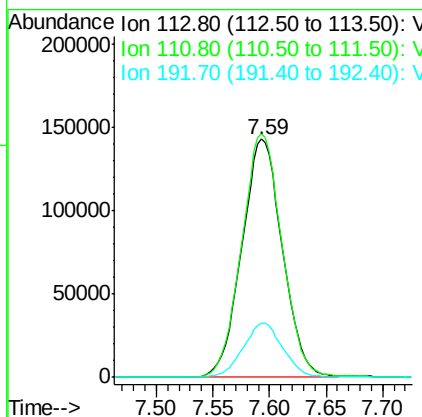
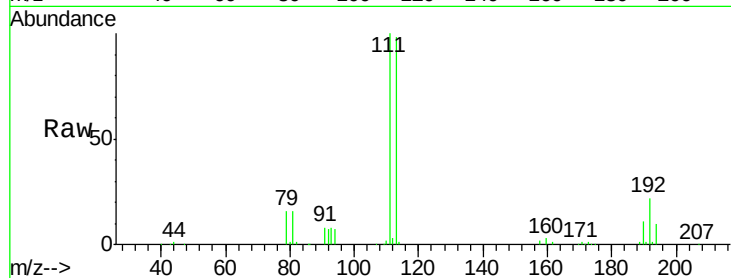




#35
 Dibromofluoromethane
 Concen: 45.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

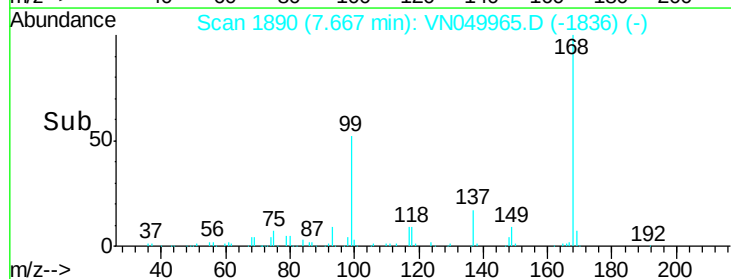
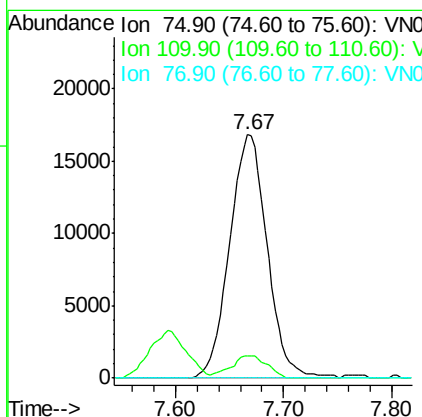
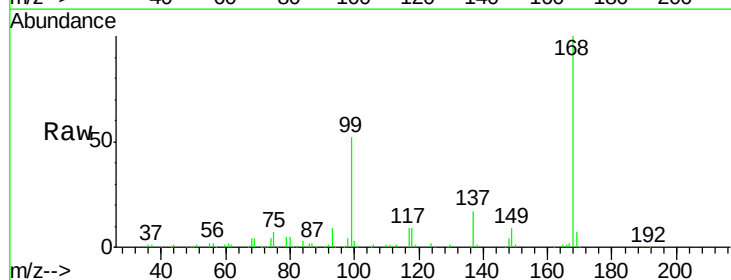
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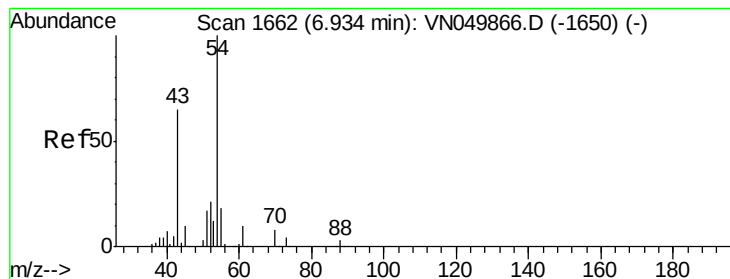
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	22.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 7.95 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#05

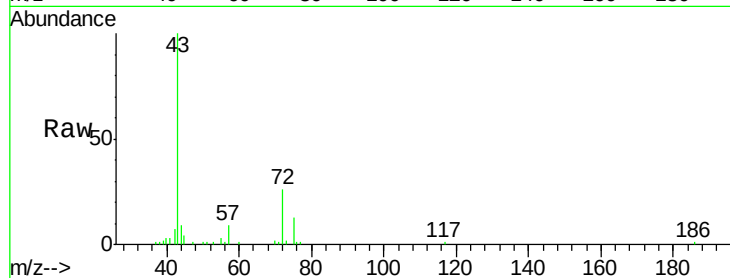
Tot Ion: 43 Resp: 56492

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

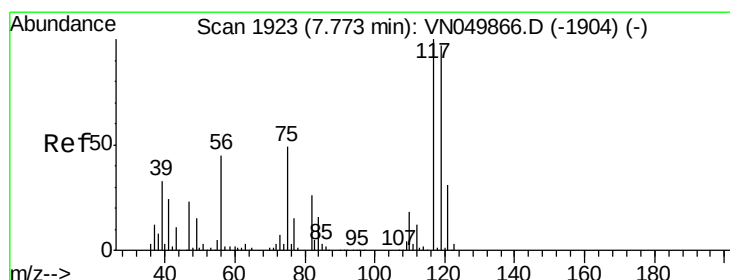
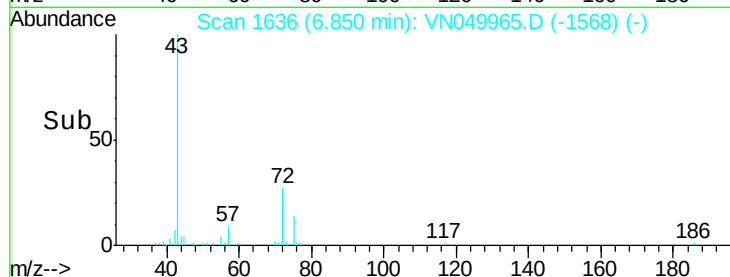
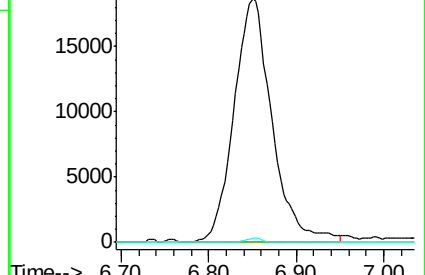
70 0.7 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)

Ion 60.90 (60.60 to 61.60): VN049866.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN049866.D (-1650) (-)



#38

Carbon Tetrachloride

Concen: 4.59 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

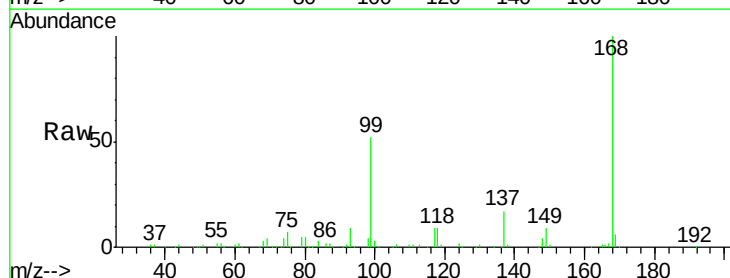
Tgt Ion: 117 Resp: 50804

Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

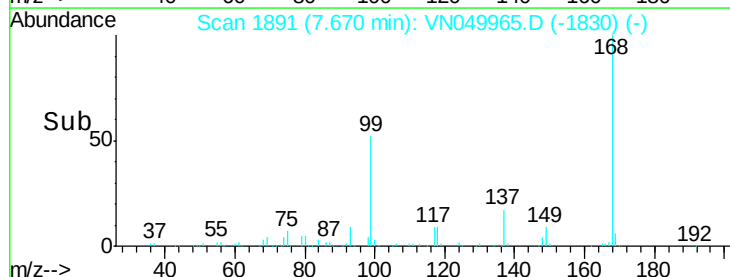
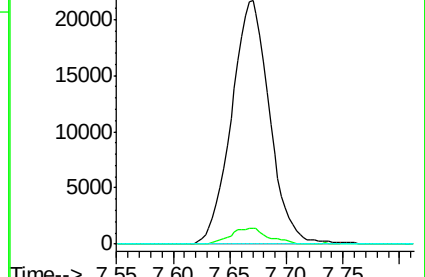
121 0.0 25.0 37.6#

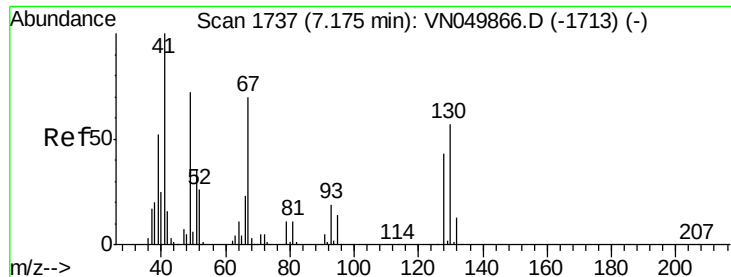


Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049866.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049866.D (-1904) (-)

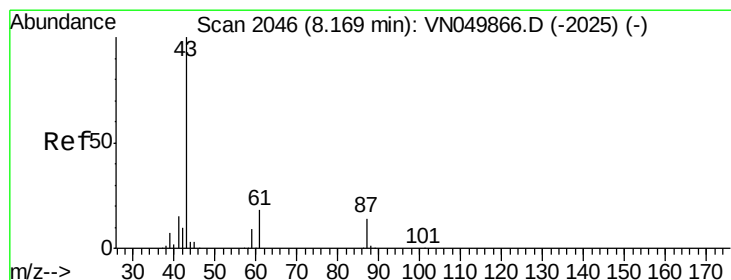
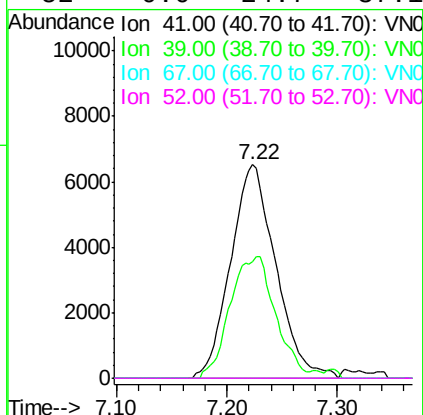
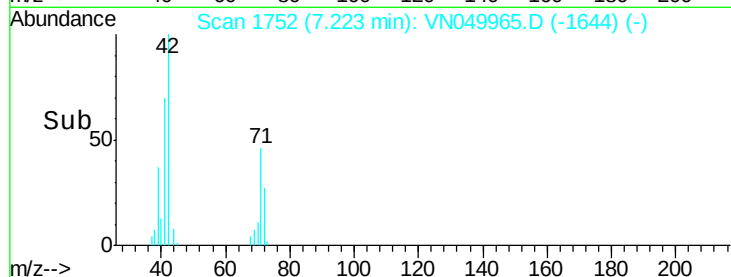
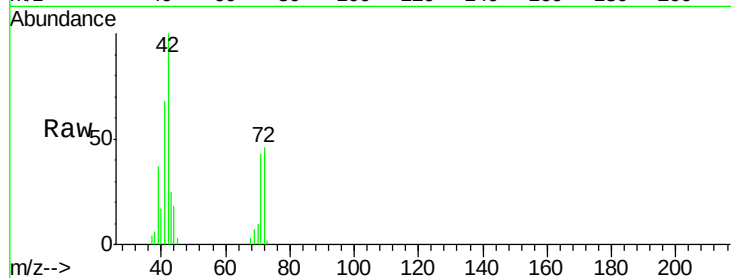




#41
Methacrylonitrile
Concen: 5.19 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

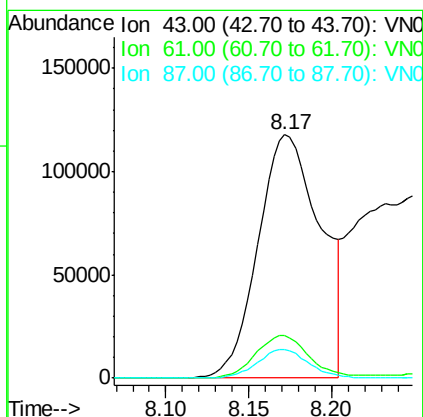
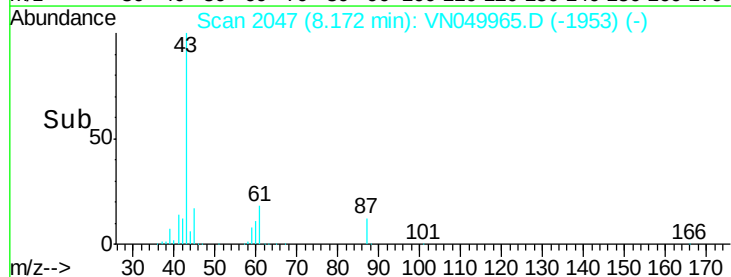
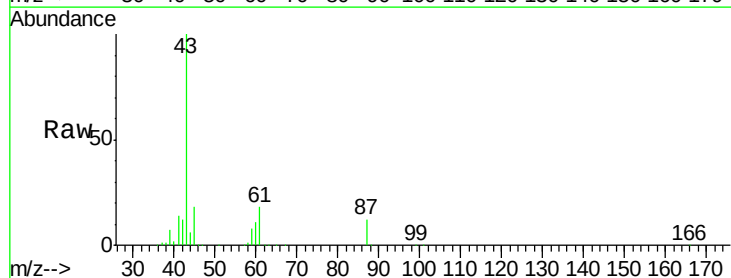
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#05

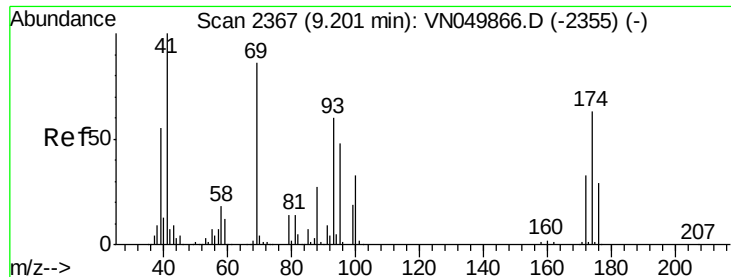
Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.4	68.2
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 24.71 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	14.9	22.3
87	9.8	10.0	15.0#

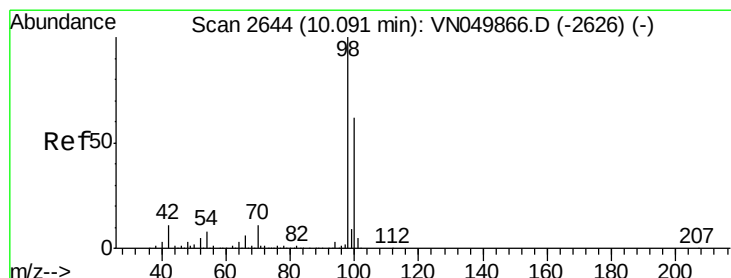
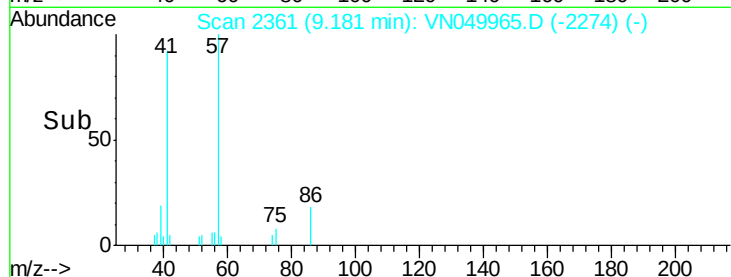
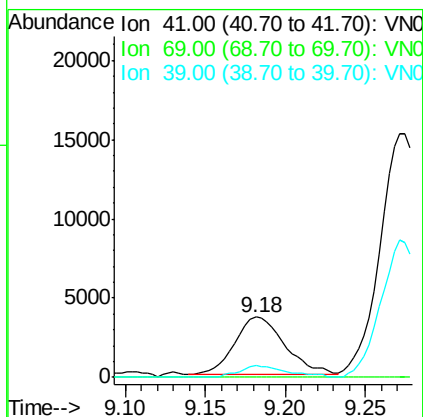
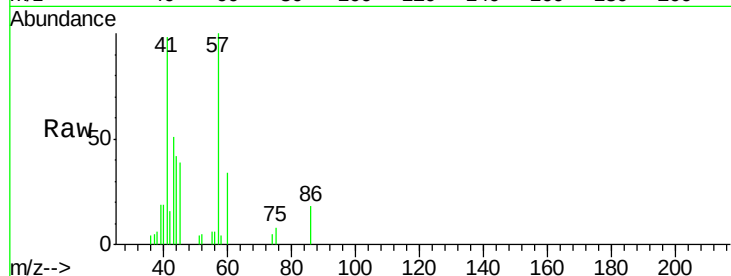




#48
Methvl methacrylate
Concen: 1.26 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

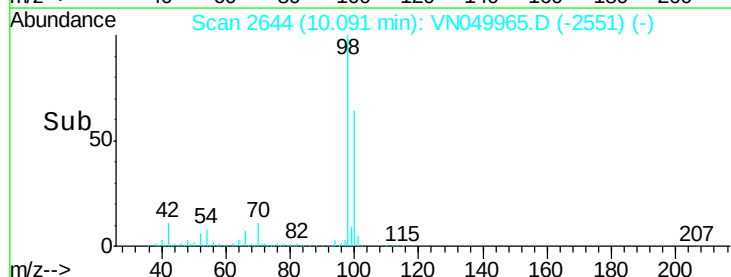
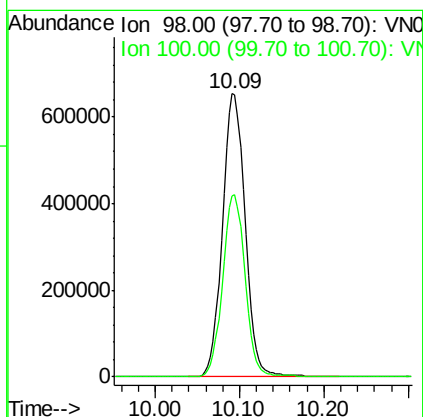
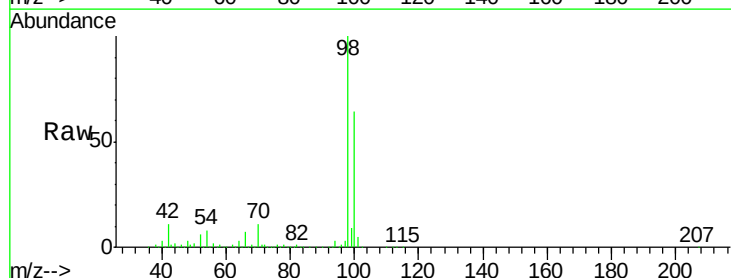
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#05

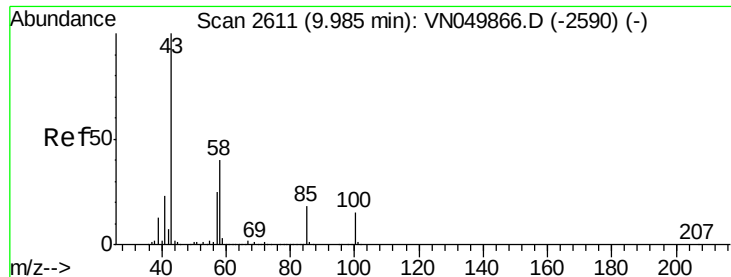
Tot Ion: 41 Resp: 7854
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 19.4 44.7 67.1#



#50
Toluene-d8
Concen: 43.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Tgt Ion: 98 Resp: 1225388
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

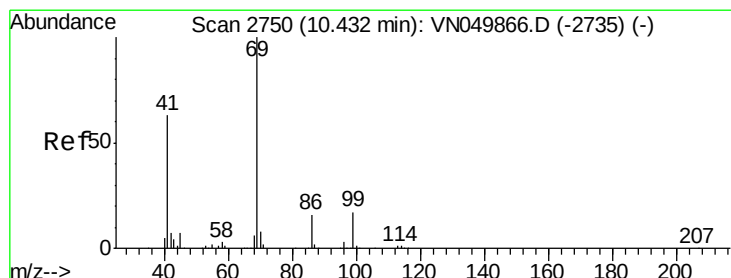
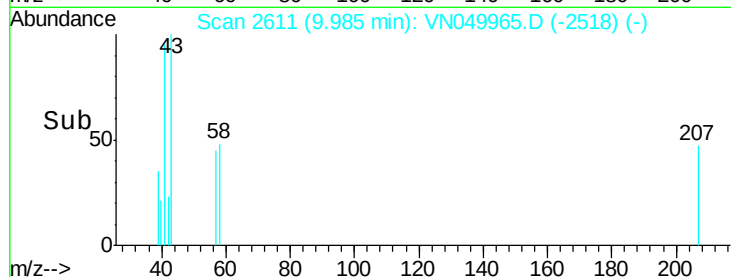
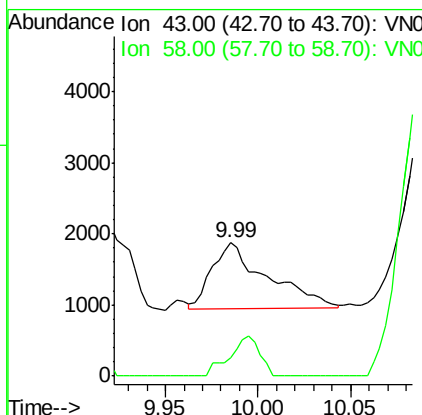
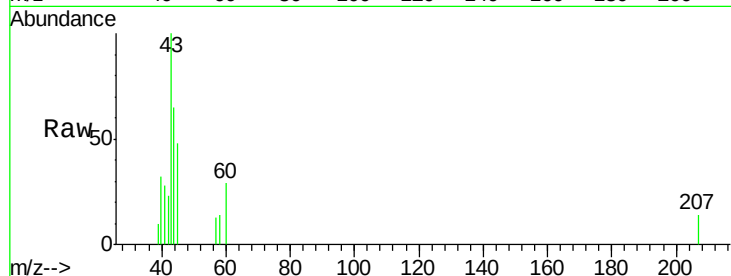




#51
 4-Methyl-2-Pentanone
 Concen: 0.28 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

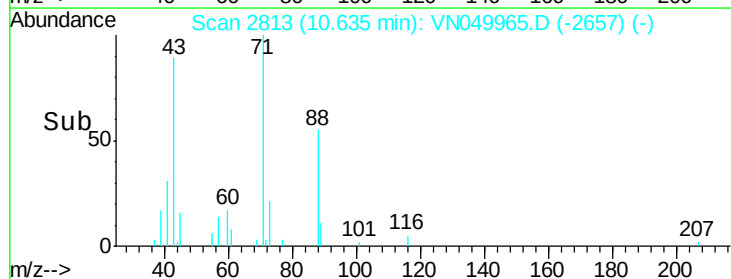
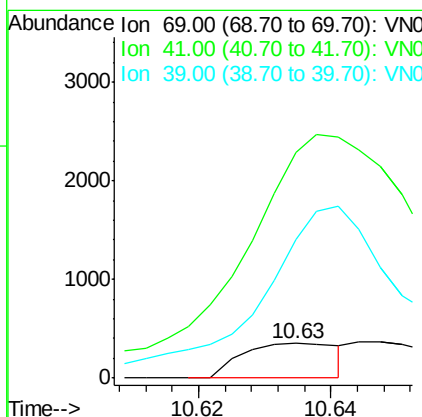
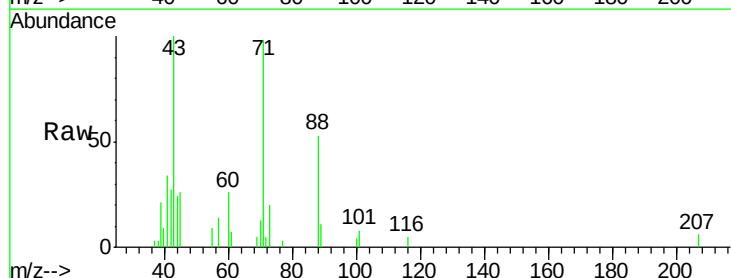
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#05

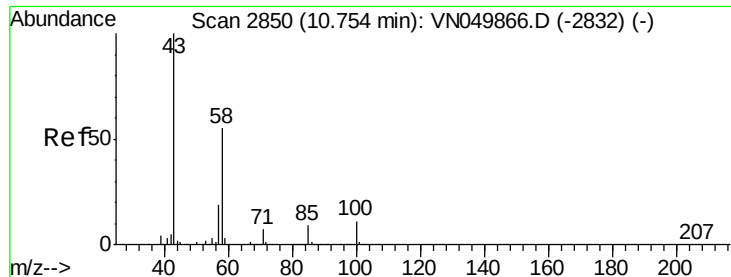
Tot Ion: 43 Resp: 1911
 Ion Ratio Lower Upper
 43 100
 58 33.1 31.8 47.8



#56
 Ethyl methacrylate
 Concen: 2.19 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.20 min
 Lab File: VN049965.D
 Acq: 20 Jul 2018 16:21

Tgt Ion: 69 Resp: 359
 Ion Ratio Lower Upper
 69 100
 41 1200.6 51.6 77.4#
 39 779.9 25.8 38.8#





#59

2-Hexanone

Concen: 4.31 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

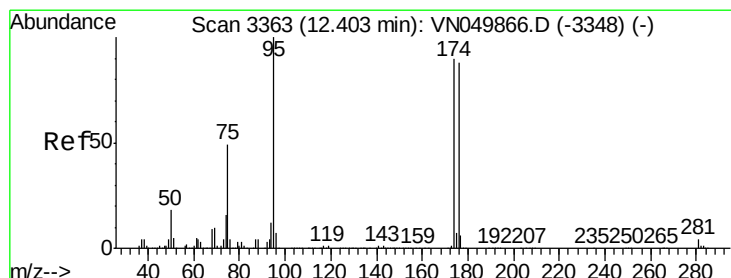
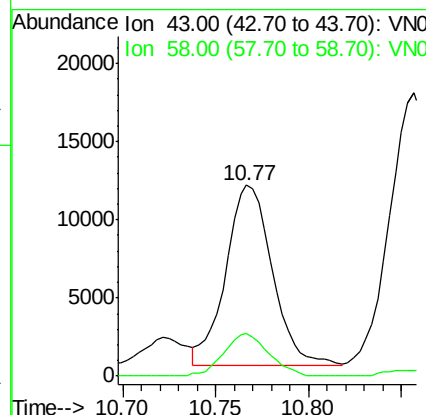
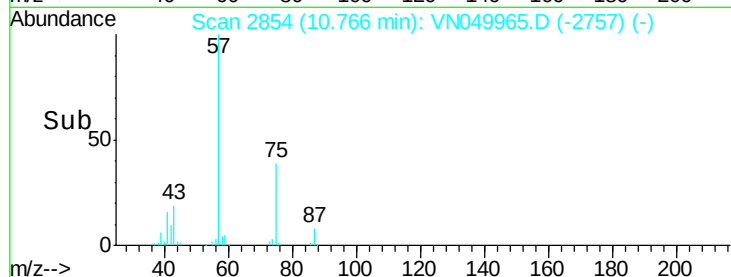
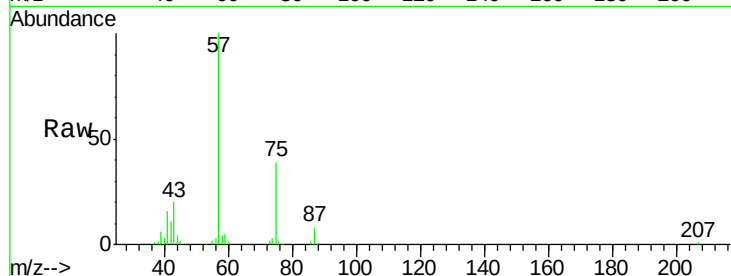
PB111289ZHE#05

Tot Ion: 43 Resp: 20093

Ion Ratio Lower Upper

43 100

58 22.8 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

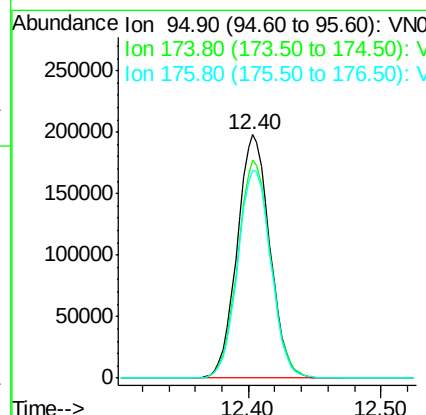
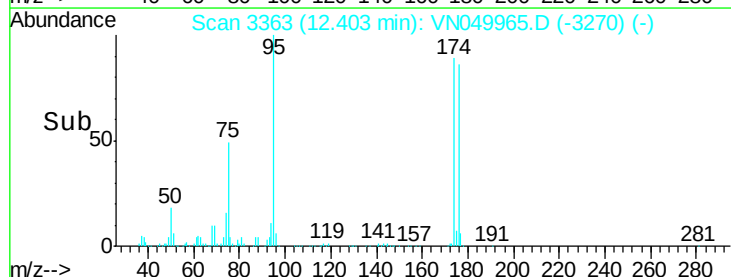
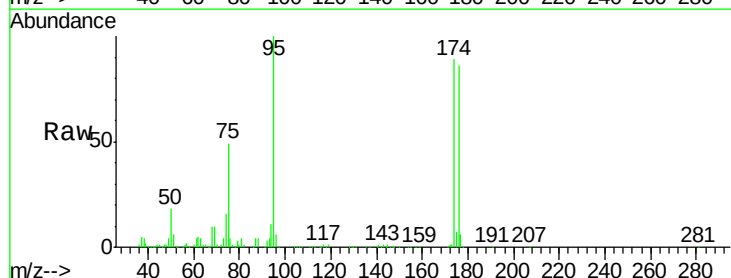
Tgt Ion: 95 Resp: 338684

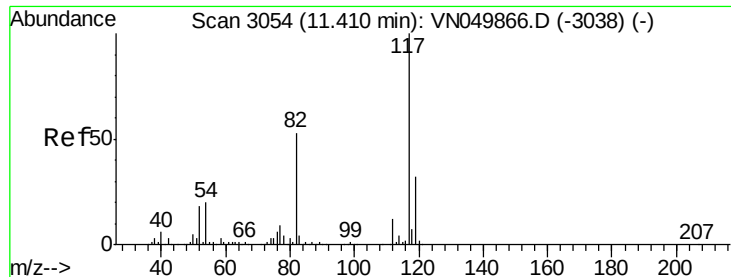
Ion Ratio Lower Upper

95 100

174 90.4 0.0 179.6

176 86.8 0.0 174.0

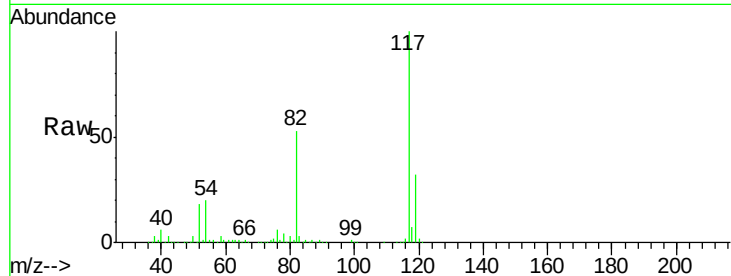




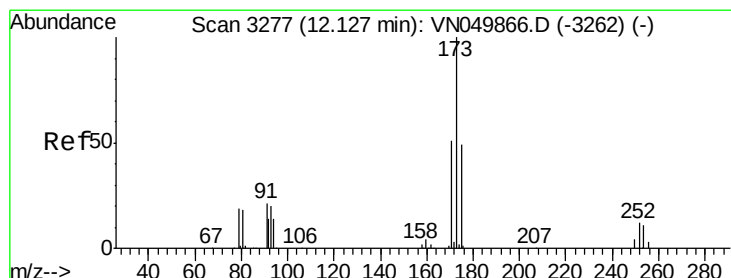
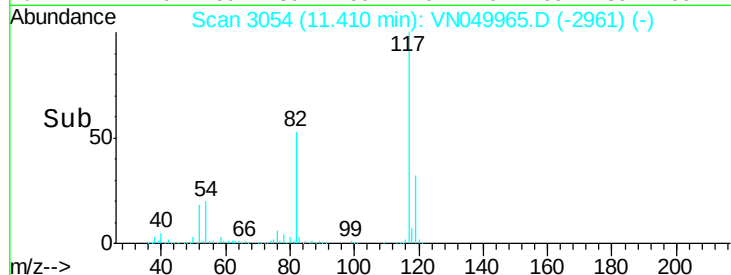
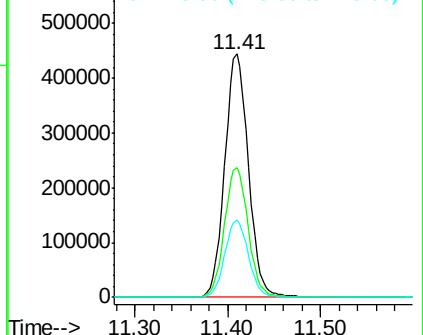
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#05

Tot Ion:117 Resp: 784954
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 31.5 25.4 38.2

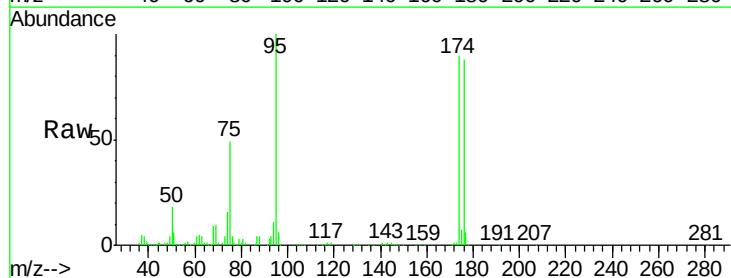


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

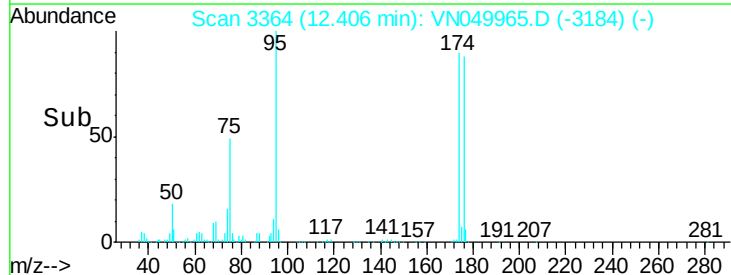
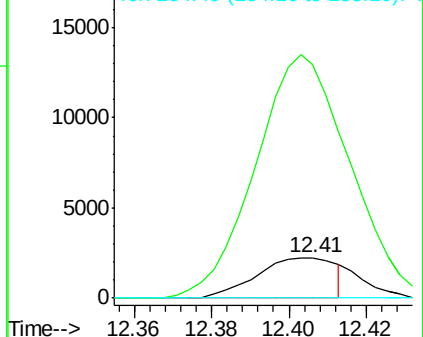


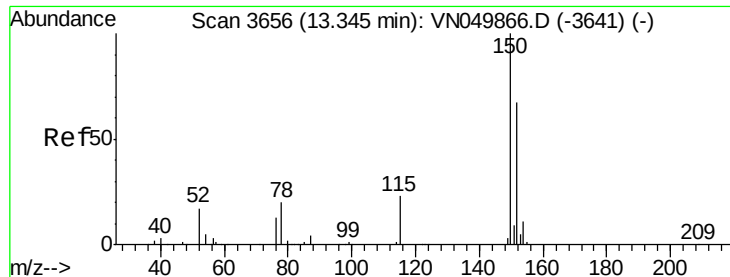
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Tgt Ion:173 Resp: 3187
Ion Ratio Lower Upper
173 100
175 586.3 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: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#05

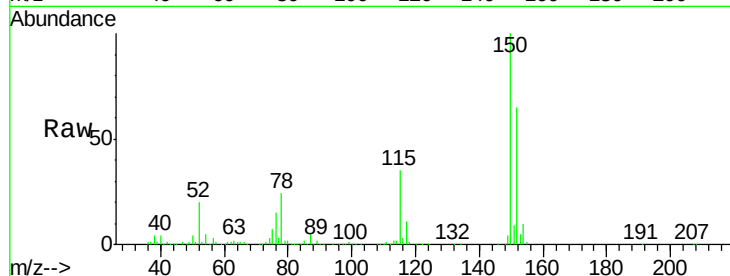
Tot Ion:152 Resp: 282729

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.2

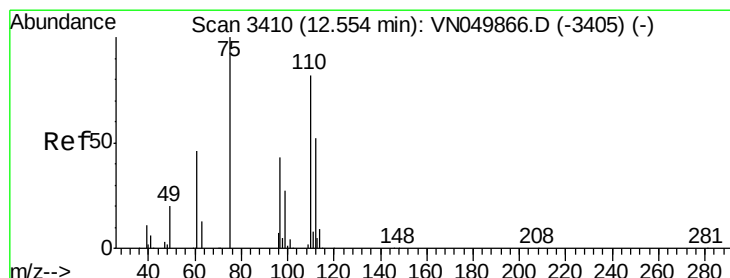
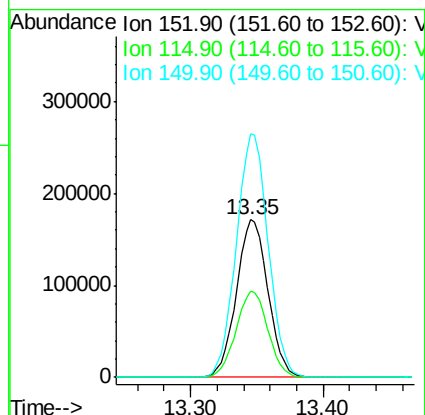
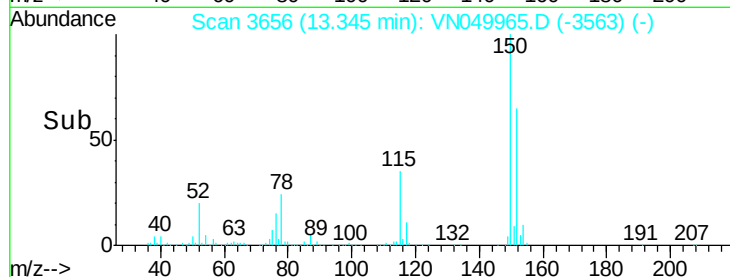
150 156.0 0.0 347.6



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: 31.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049965.D

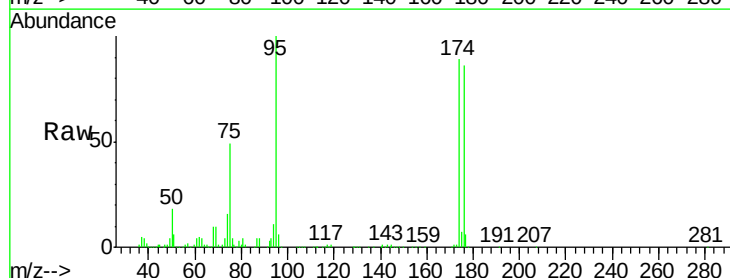
Acq: 20 Jul 2018 16:21

Tgt Ion: 75 Resp: 167541

Ion Ratio Lower Upper

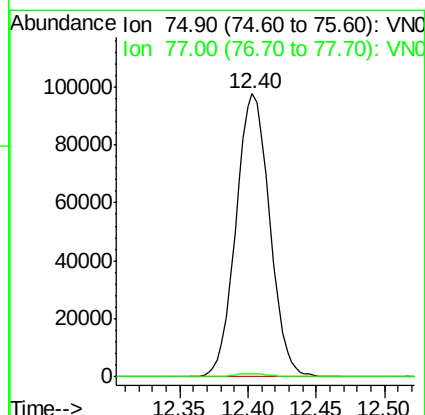
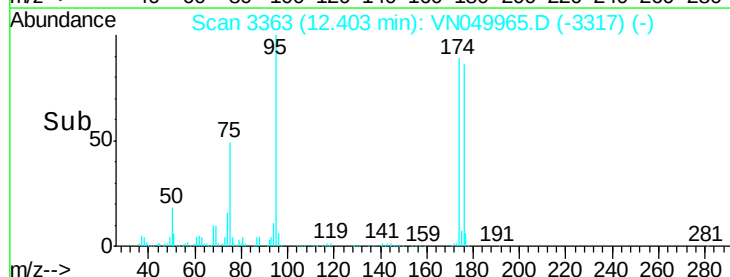
75 100

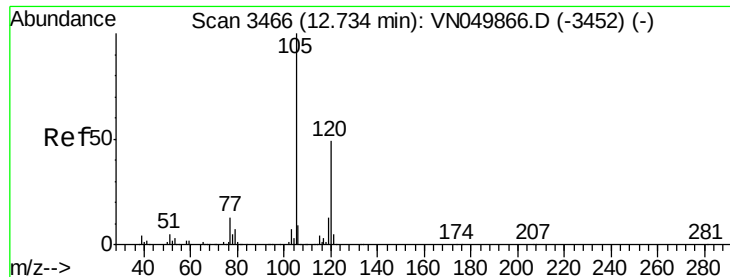
77 1.2 0.0 0.0#



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: 0.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

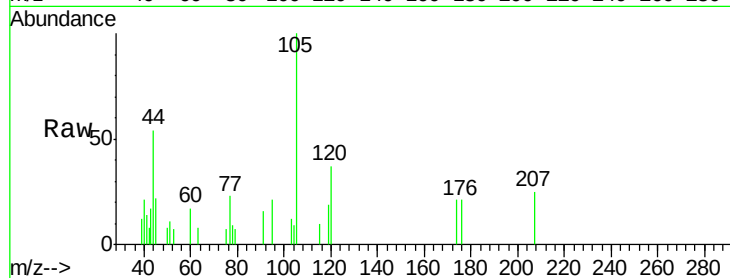
PB111289ZHE#05

Tot Ion:105 Resp: 3526

Ion Ratio Lower Upper

105 100

120 45.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

2500

2000

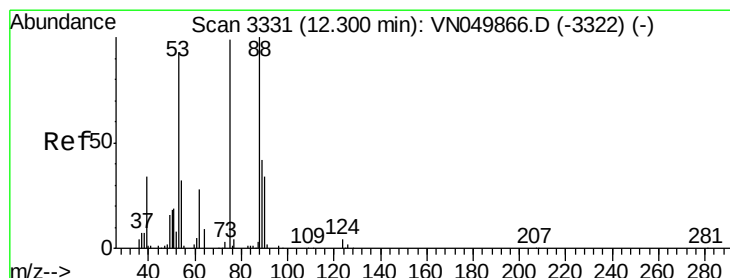
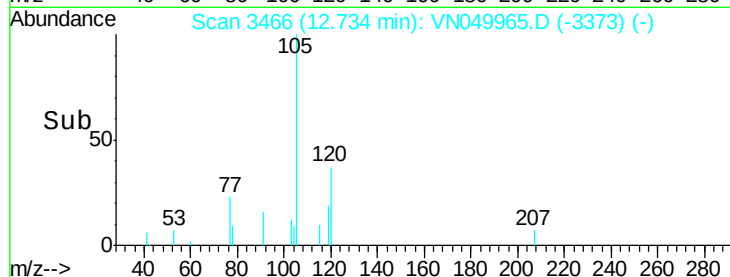
1500

1000

500

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 98.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049965.D

Acq: 20 Jul 2018 16:21

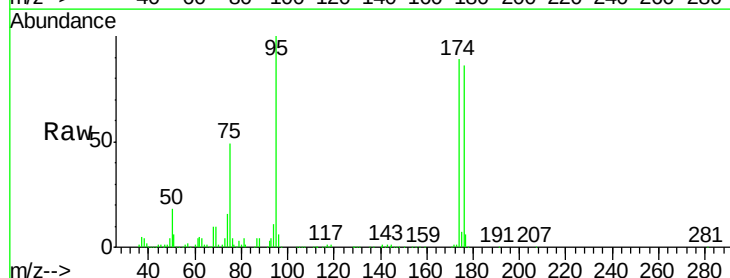
Tgt Ion: 75 Resp: 167541

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

12.40

120000

100000

80000

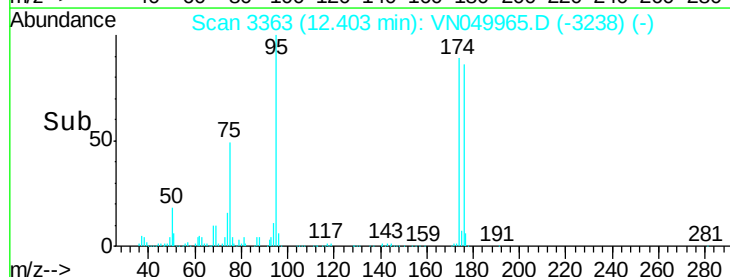
60000

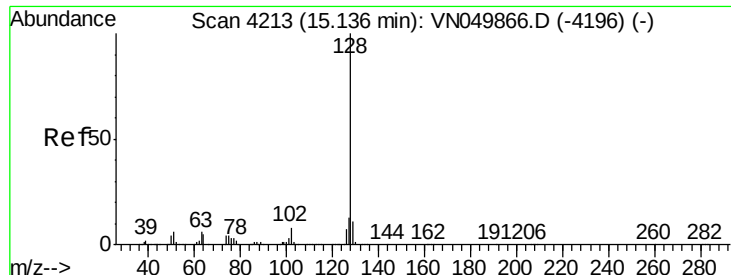
40000

20000

0

Time-->

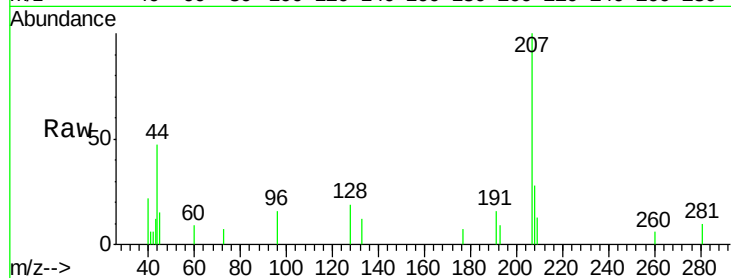




#95
Naphthalene
Concen: 4.53 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049965.D
Acq: 20 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#05

Tot 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

