

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049923.D
 Acq On : 19 Jul 2018 18:08
 Operator : MD\SY
 Sample : PB111251ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#10

Quant Time: Jul 20 01:30:38 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	551485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	941799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296114	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	405502	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	7.59	113	352843	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
50) Toluene-d8	10.09	98	1258519	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
62) 4-Bromofluorobenzene	12.40	95	353945	35.68	ug/l	0.00
Spiked Amount			Recovery	=	71.36%	

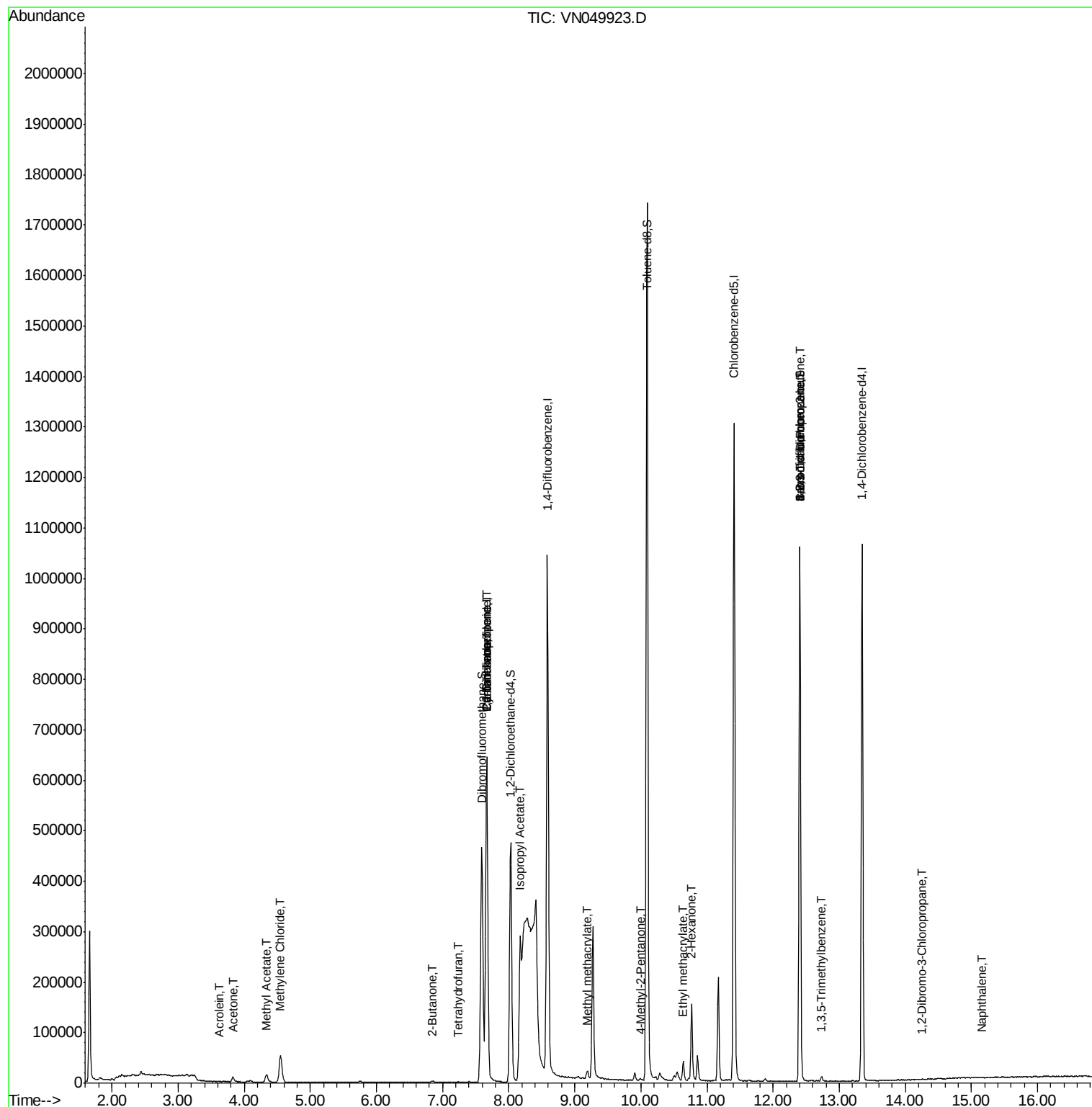
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	535	Below Cal	#	11
13) Acrolein	3.62	56	72	0.21	ug/l #	15
16) Acetone	3.83	43	15480	7.89	ug/l	92
18) Methyl Acetate	4.34	43	28314	3.83	ug/l	98
20) Methylene Chloride	4.55	84	40723	5.46	ug/l	96
25) 2-Butanone	6.86	43	2211	0.79	ug/l #	88
29) Tetrahydrofuran	7.22	42	452	0.26	ug/l #	69
31) Cyclohexane	7.66	56	10063	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38268	3.65	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50522	4.50	ug/l #	16
43) Isopropyl Acetate	8.17	43	331745	26.41	ug/l #	92
48) Methyl methacrylate	9.18	41	8994	1.43	ug/l #	19
51) 4-Methyl-2-Pentanone	9.98	43	2539	0.36	ug/l #	65
56) Ethyl methacrylate	10.64	69	717	2.22	ug/l #	1
59) 2-Hexanone	10.77	43	22552	4.78	ug/l #	54
71) Bromoform	12.40	173	3116	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	174032	31.33	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3913	0.22	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	174032	97.97	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	315	0.30	ug/l #	1
95) Naphthalene	15.14	128	222	4.51	ug/l #	69

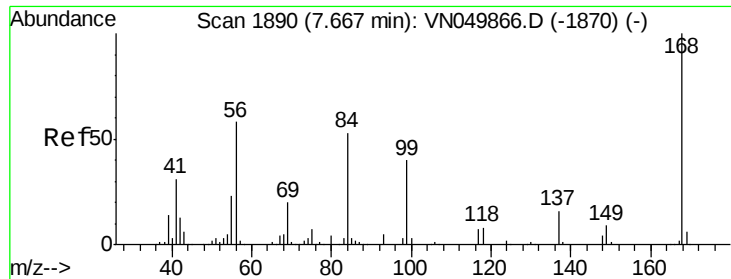
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
Data File : VN049923.D
Acq On : 19 Jul 2018 18:08
Operator : MD\SY
Sample : PB111251ZHE#10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#10

Quant Time: Jul 20 01:30:38 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

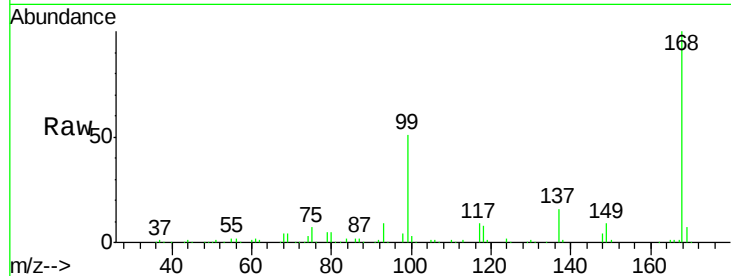
PB111251ZHE#10

Tot Ion:168 Resp: 551485

Ion Ratio Lower Upper

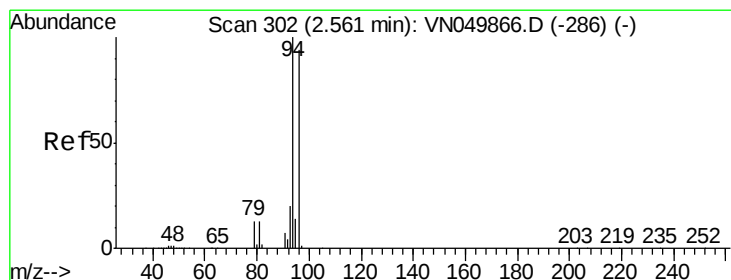
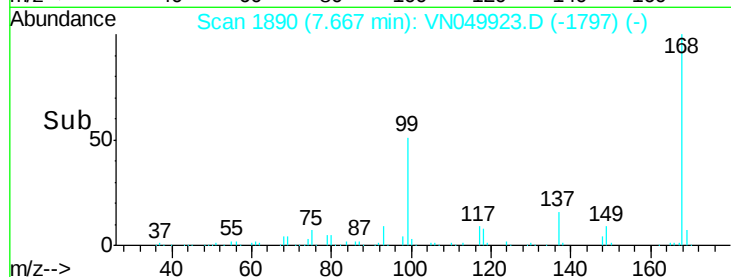
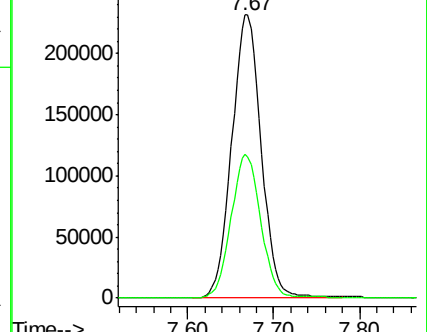
168 100

99 50.9 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: VN049923.D

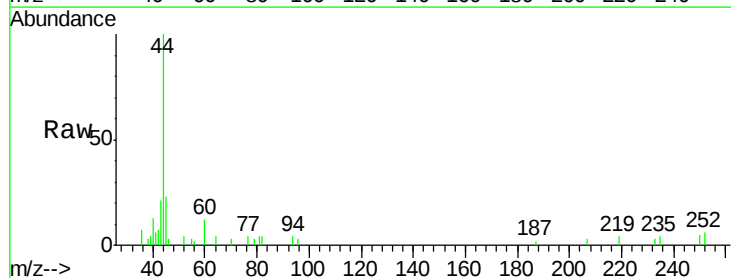
Acq: 19 Jul 2018 18:08

Tgt Ion: 94 Resp: 535

Ion Ratio Lower Upper

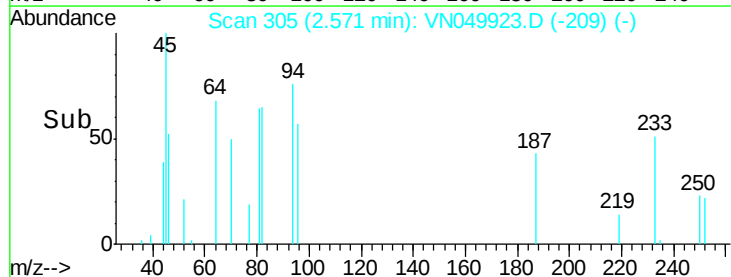
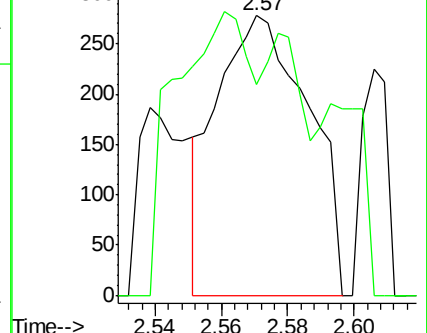
94 100

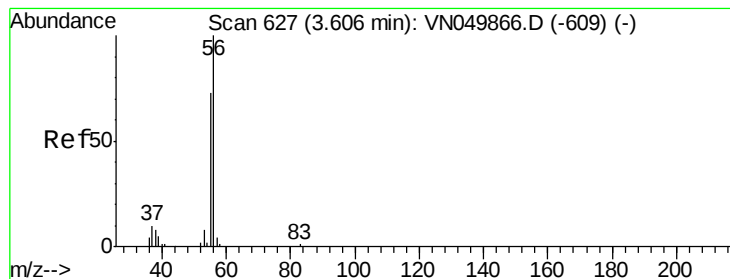
96 8.6 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#13

Acrolein

Concen: 0.21 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

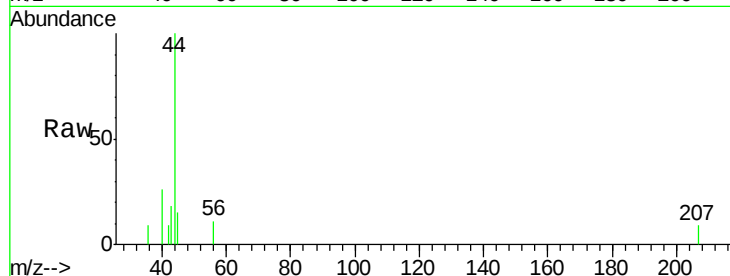
PB111251ZHE#10

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

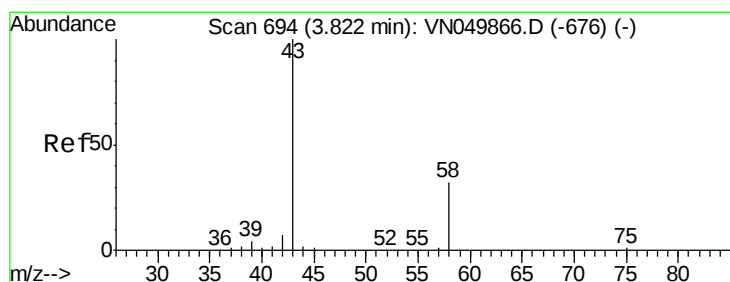
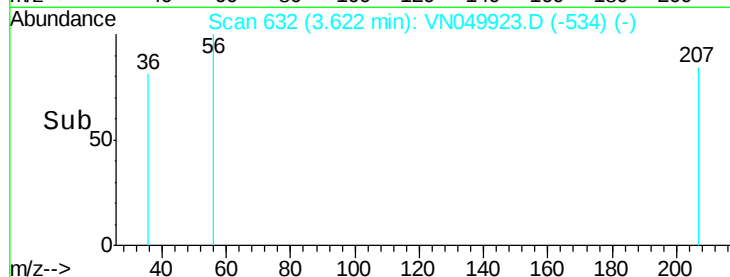
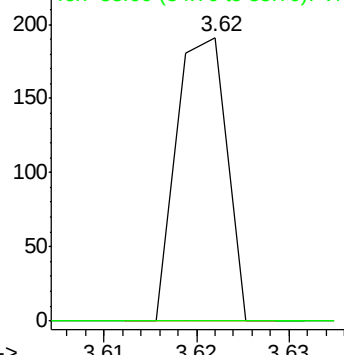
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 7.89 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049923.D

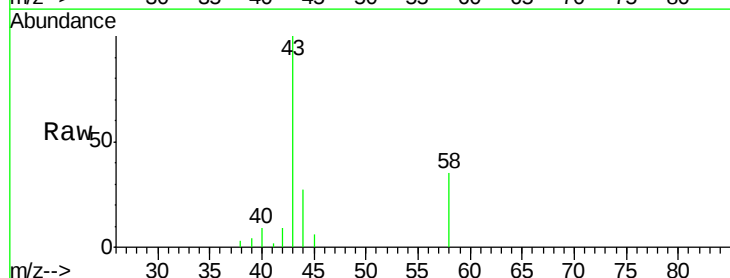
Acq: 19 Jul 2018 18:08

Tgt Ion: 43 Resp: 15480

Ion Ratio Lower Upper

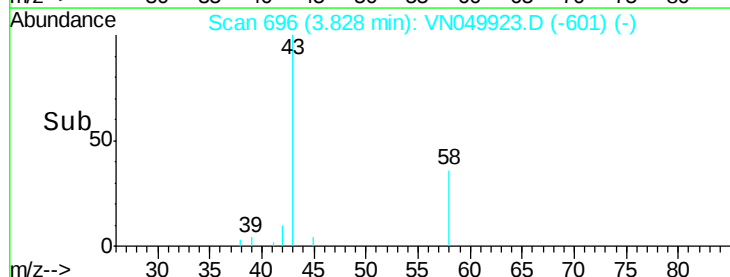
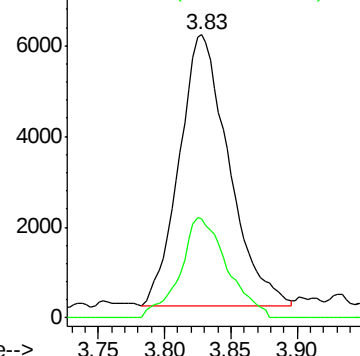
43 100

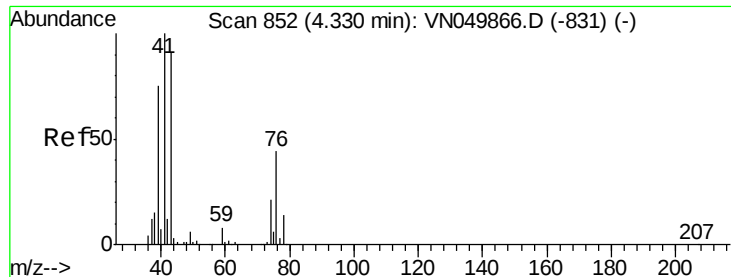
58 36.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 3.83 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

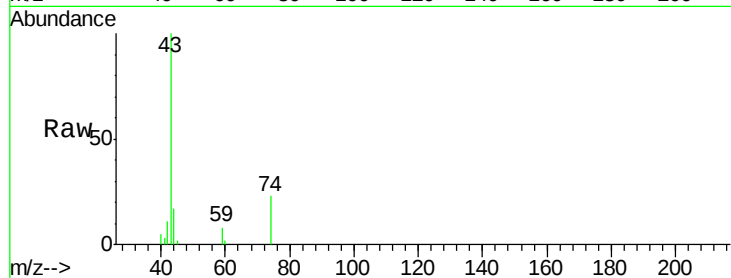
PB111251ZHE#10

Tot Ion: 43 Resp: 28314

Ion Ratio Lower Upper

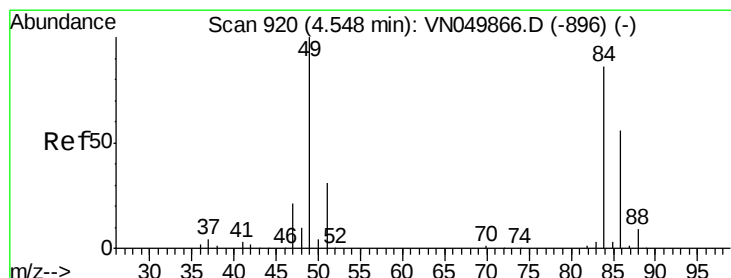
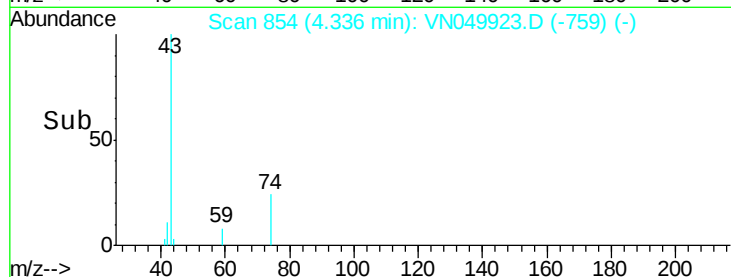
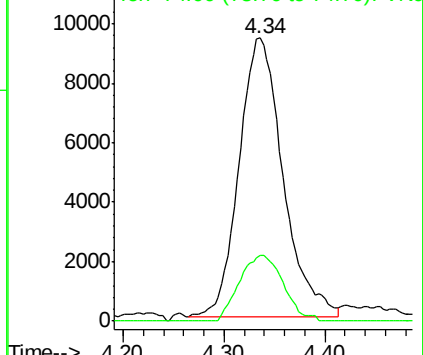
43 100

74 23.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049923.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049923.D (-759) (-)



#20

Methylene Chloride

Concen: 5.46 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Tgt Ion: 84 Resp: 40723

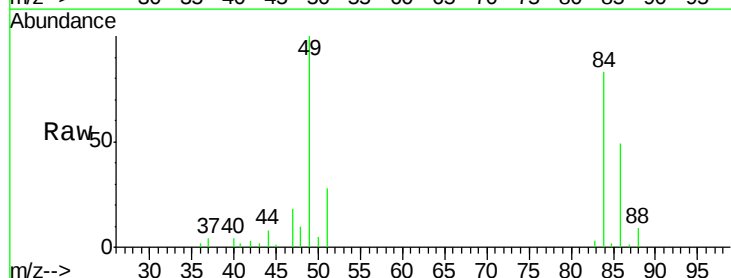
Ion Ratio Lower Upper

84 100

49 120.7 95.4 143.2

51 34.3 28.4 42.6

86 58.8 52.6 79.0

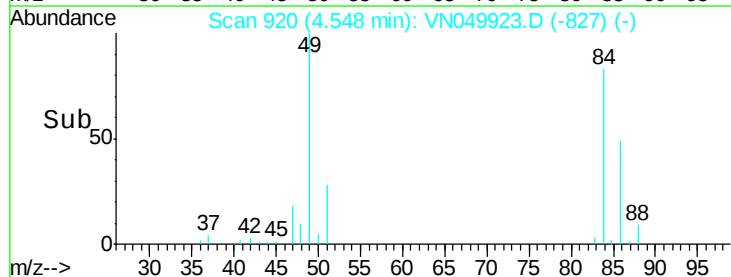
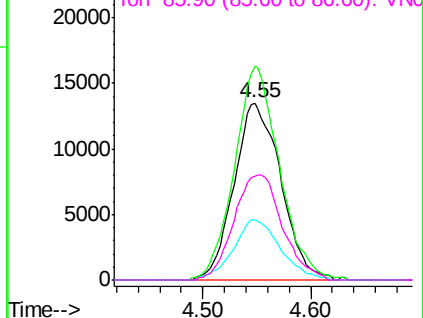


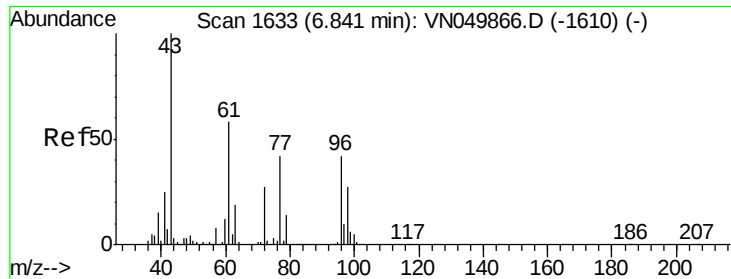
Abundance Ion 83.90 (83.60 to 84.60): VN049923.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN049923.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN049923.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN049923.D (-827) (-)

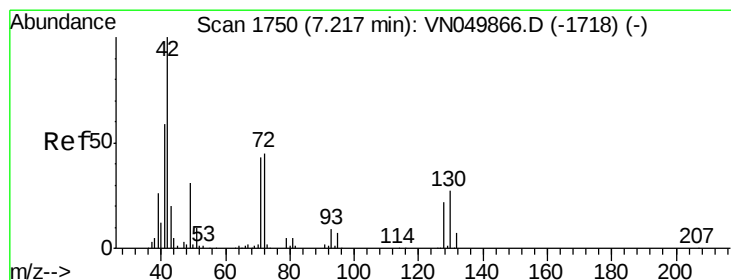
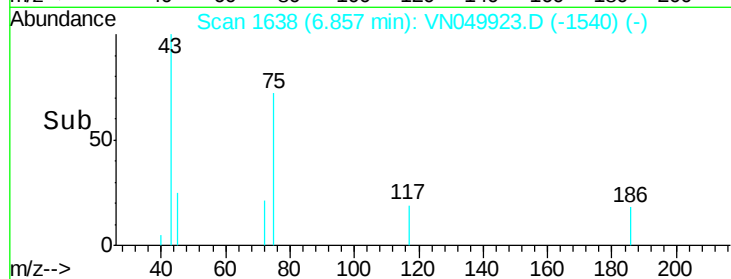
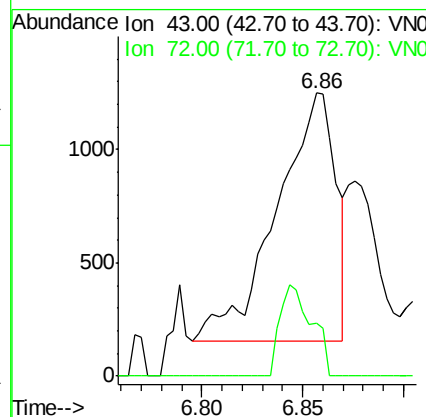
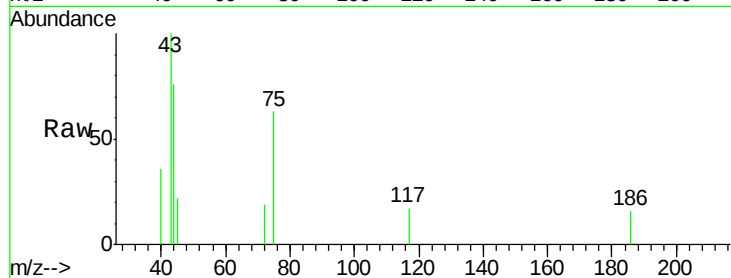




#25
2-Butanone
Concen: 0.79 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049923.D
Acq: 19 Jul 2018 18:08

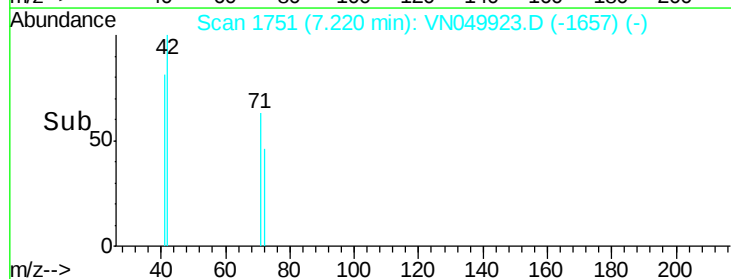
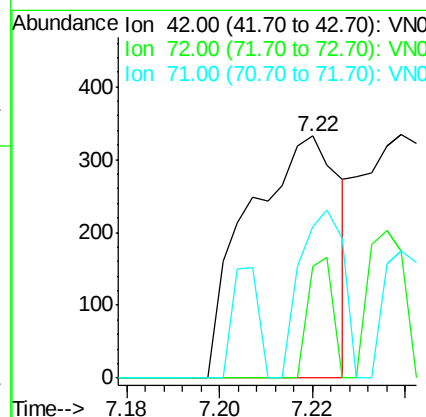
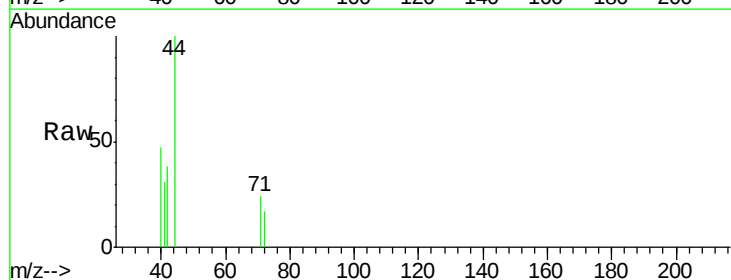
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#10

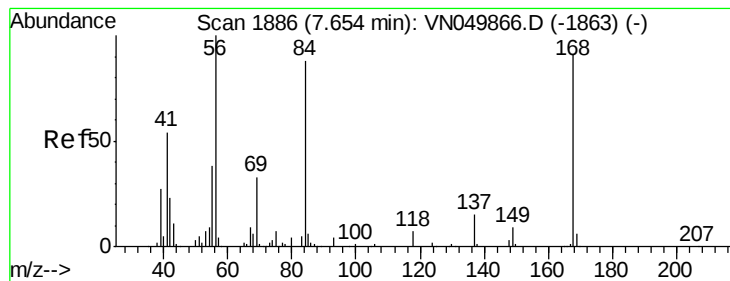
Tot Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
72 21.2 22.1 33.1#



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049923.D
Acq: 19 Jul 2018 18:08

Tgt Ion: 42 Resp: 452
Ion Ratio Lower Upper
42 100
72 13.5 35.6 53.4#
71 33.4 34.0 51.0#





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10

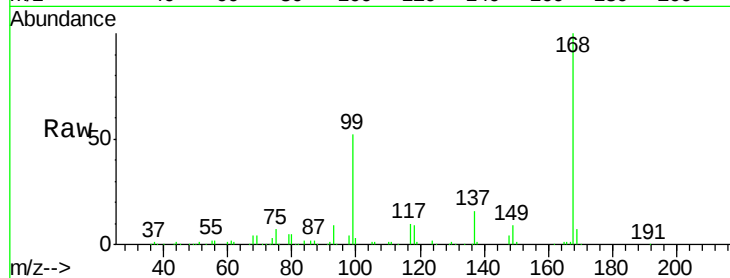
Tot Ion: 56 Resp: 10063

Ion Ratio Lower Upper

56 100

69 202.6 26.6 40.0#

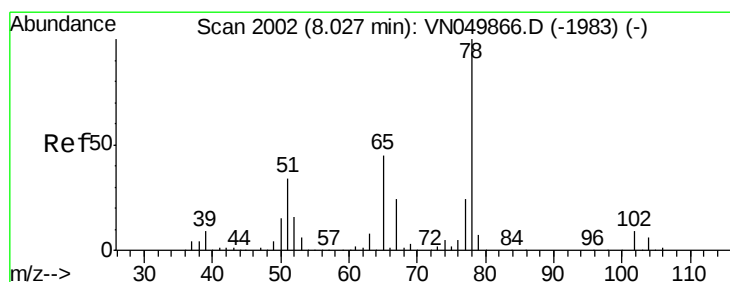
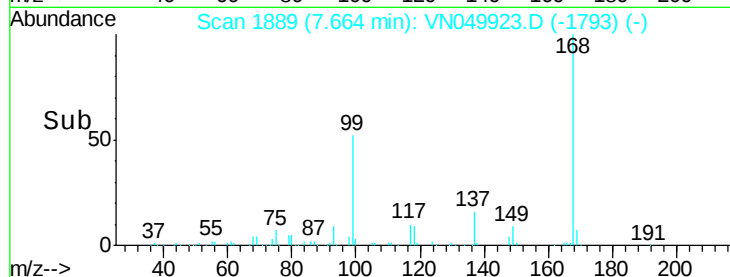
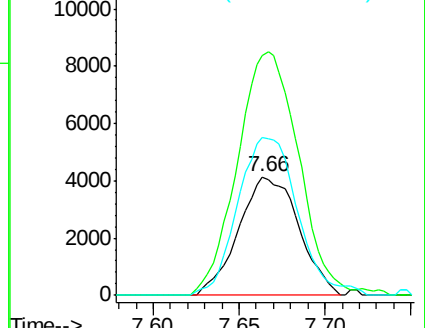
84 133.4 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049866.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049866.D (-1863) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.50 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049923.D

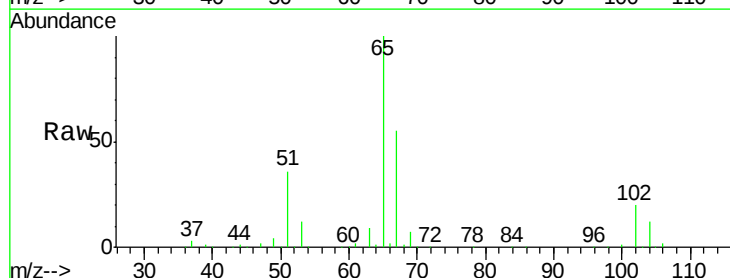
Acq: 19 Jul 2018 18:08

Tgt Ion: 65 Resp: 405502

Ion Ratio Lower Upper

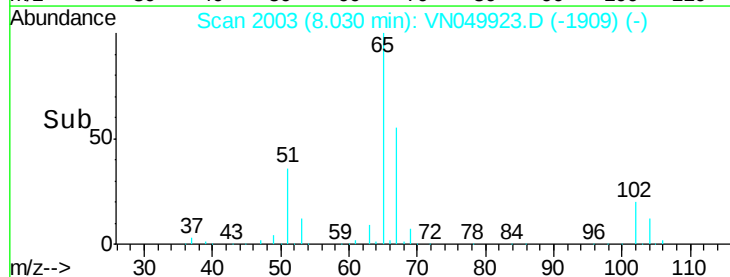
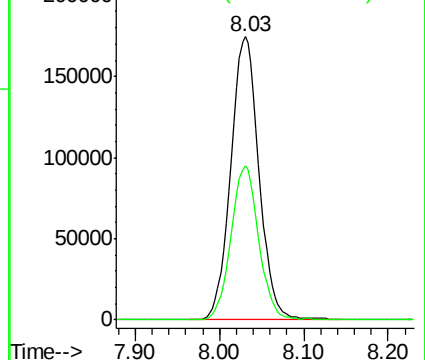
65 100

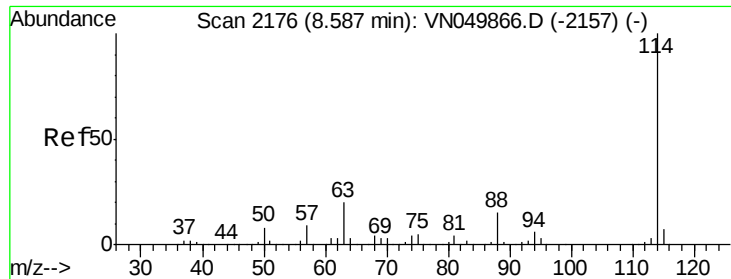
67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049866.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1983) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10

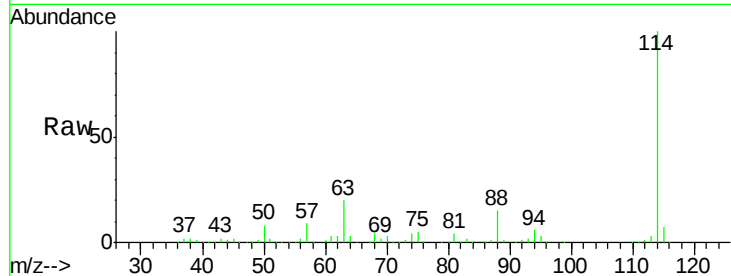
Tot Ion:114 Resp: 941799

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

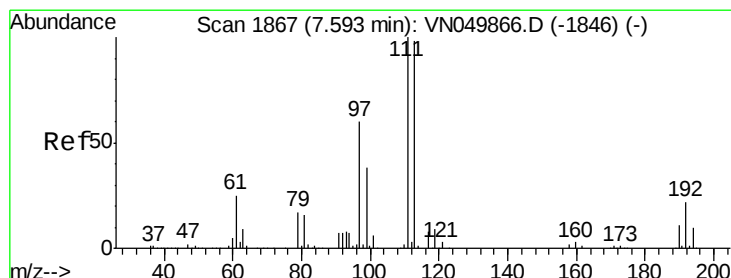
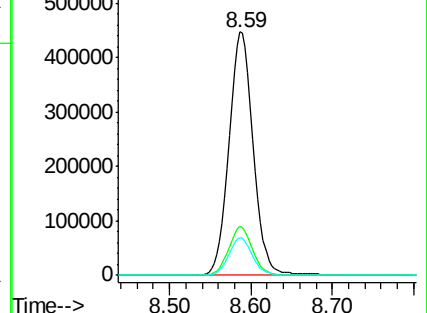
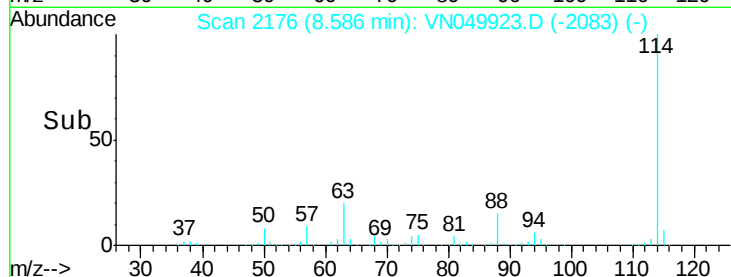
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 44.63 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

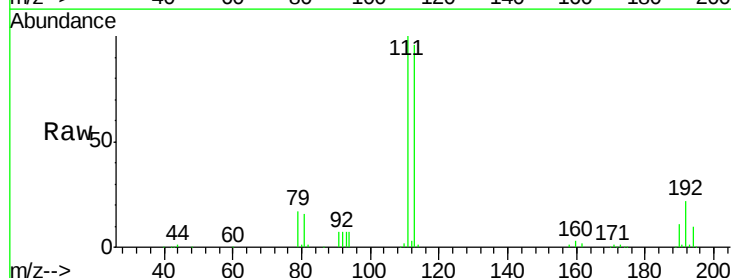
Tgt Ion:113 Resp: 352843

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

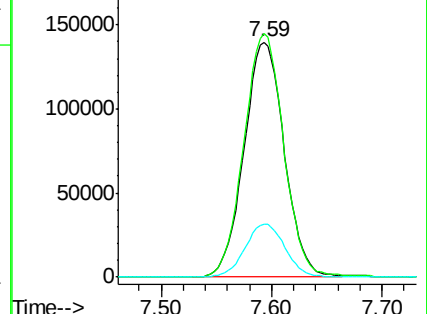
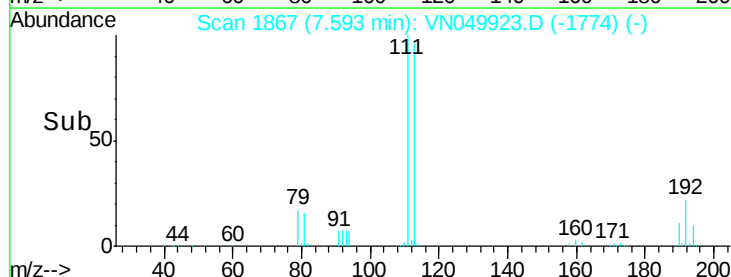
192 22.5 17.8 26.6

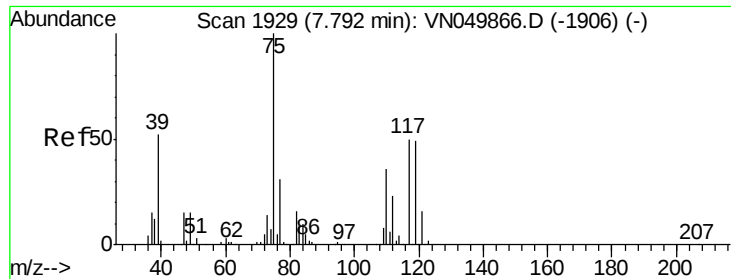


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

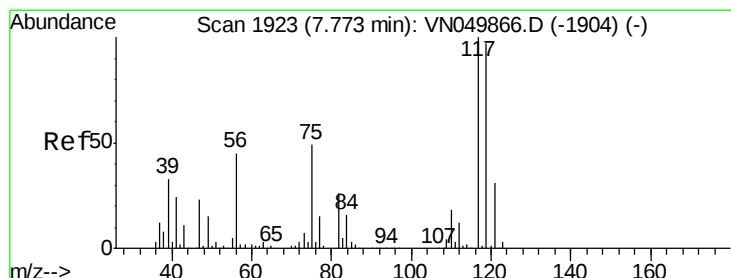
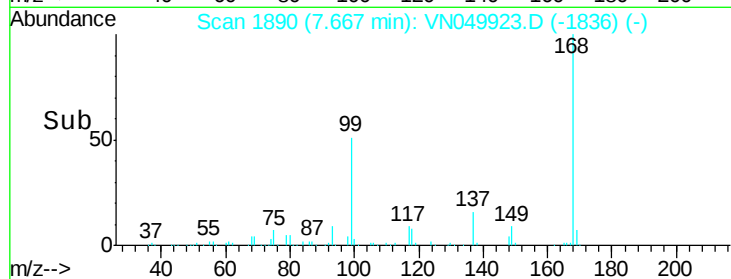
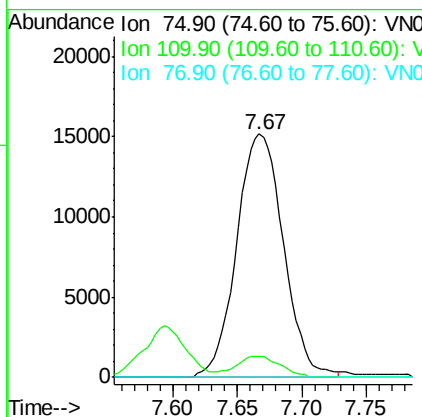
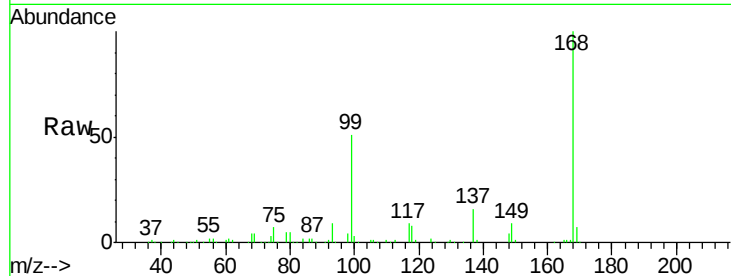




#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049923.D
 Acq: 19 Jul 2018 18:08

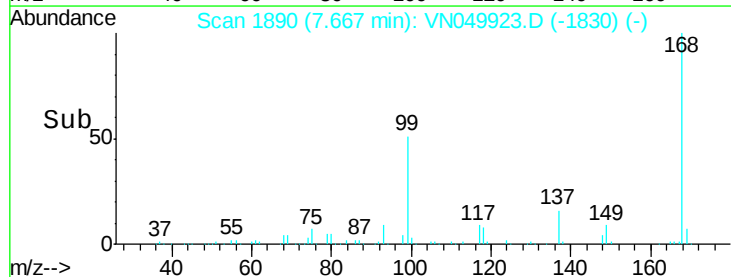
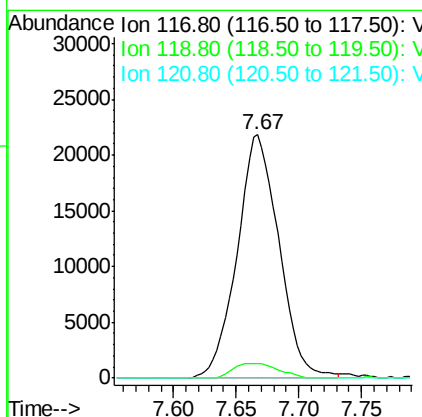
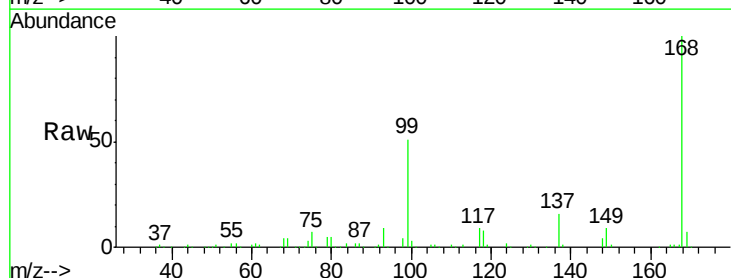
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#10

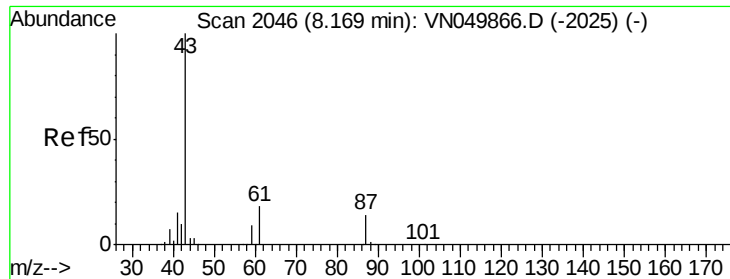
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.50 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049923.D
 Acq: 19 Jul 2018 18:08

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



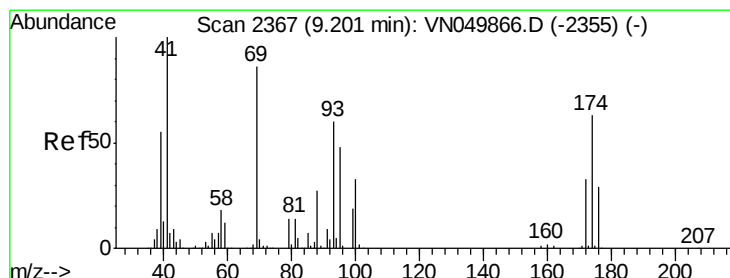
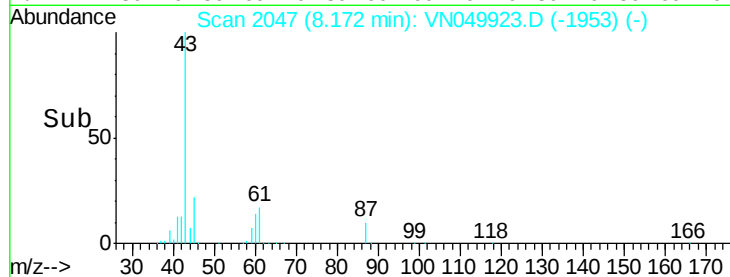
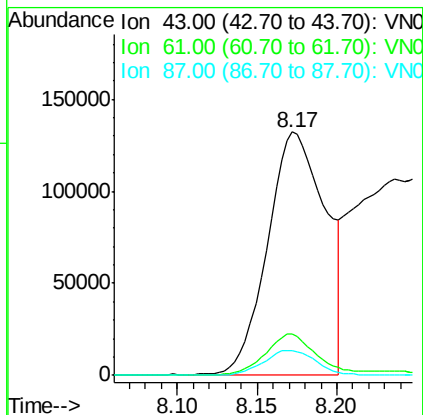
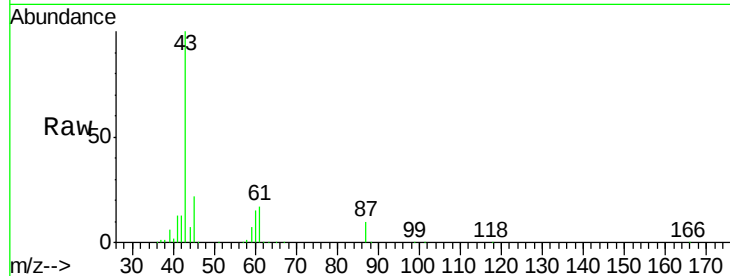


#43

Isopropyl Acetate
 Concen: 26.41 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VN049923.D
 Acq: 19 Jul 2018 18:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#10

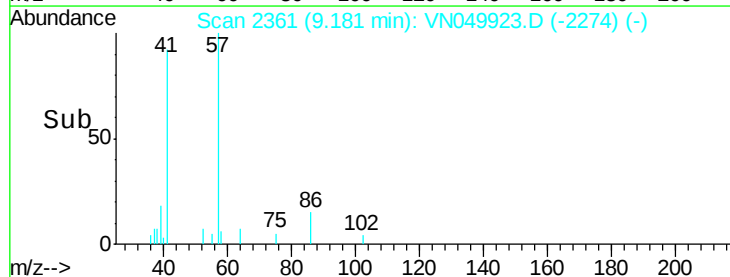
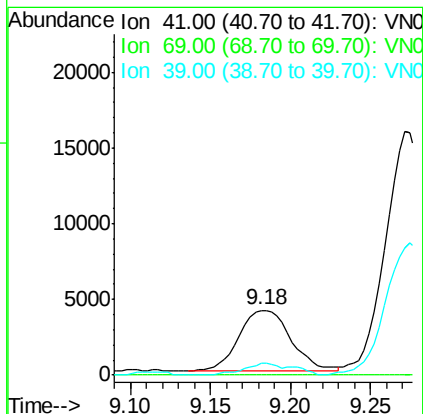
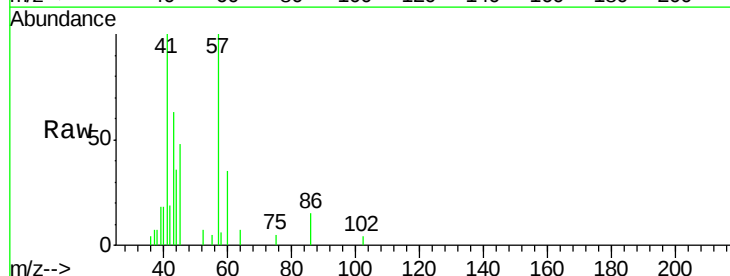
Tot Ion	43	Resp	331745
Ion Ratio	100	Lower	Upper
61	15.2	14.9	22.3
87	9.3	10.0	15.0#

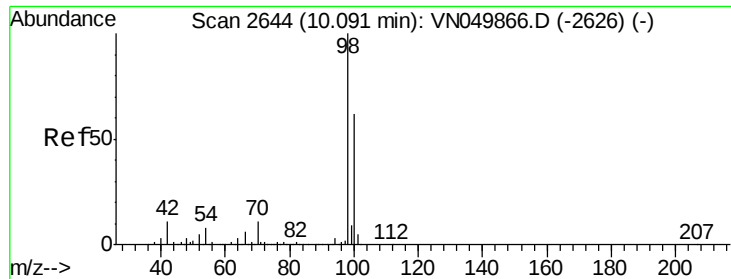


#48

Methyl methacrylate
 Concen: 1.43 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN049923.D
 Acq: 19 Jul 2018 18:08

Tgt Ion	41	Resp	8994
Ion Ratio	100	Lower	Upper
69	0.0	71.5	107.3#
39	14.1	44.7	67.1#





#50

Toluene-d8

Concen: 43.69 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

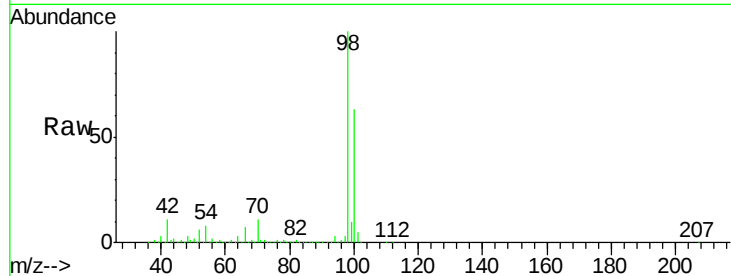
PB111251ZHE#10

Tot Ion: 98 Resp: 1258519

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049866.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049866.D (-2626) (-)

10.09

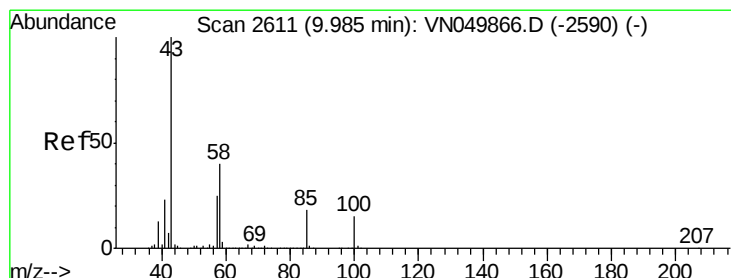
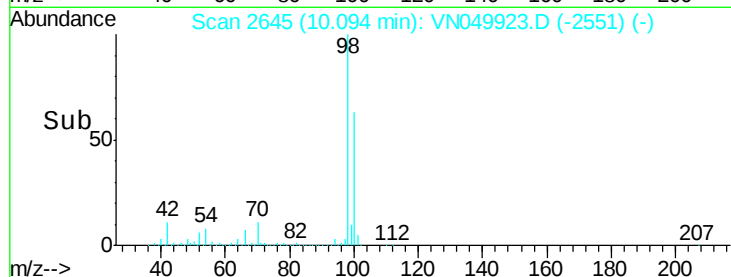
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VN049923.D

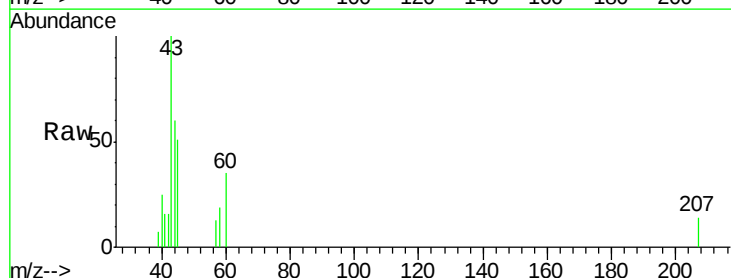
Acq: 19 Jul 2018 18:08

Tgt Ion: 43 Resp: 2539

Ion Ratio Lower Upper

43 100

58 18.2 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

4000

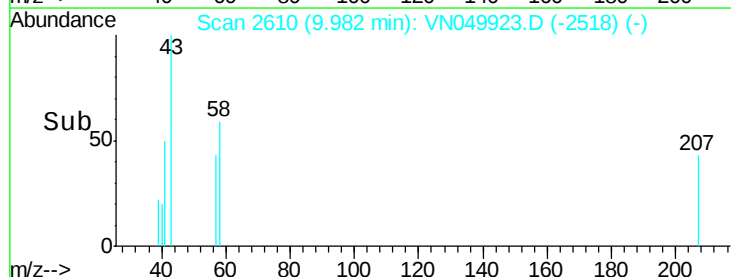
3000

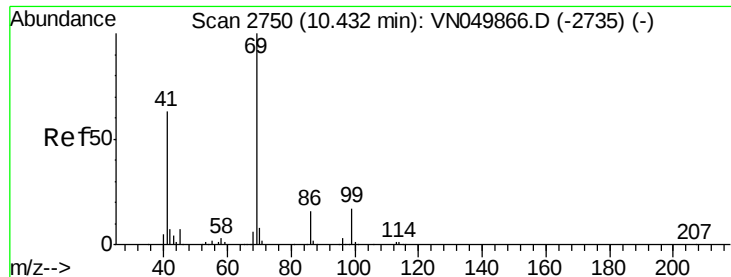
2000

1000

0

Time-->





#56

Ethyl methacrylate

Concen: 2.22 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10

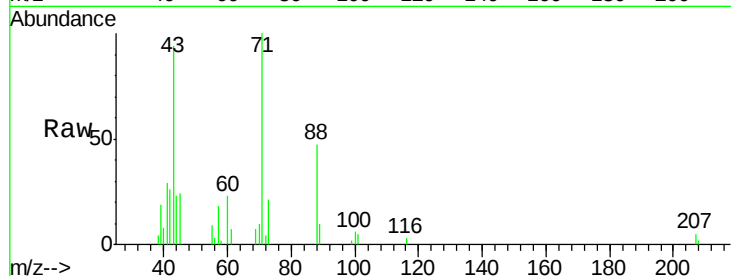
Tot Ion: 69 Resp: 717

Ion Ratio Lower Upper

69 100

41 614.9 51.6 77.4#

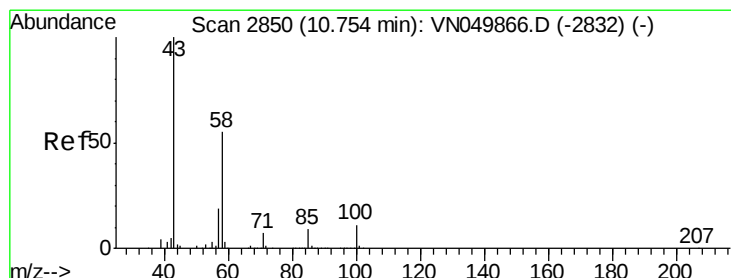
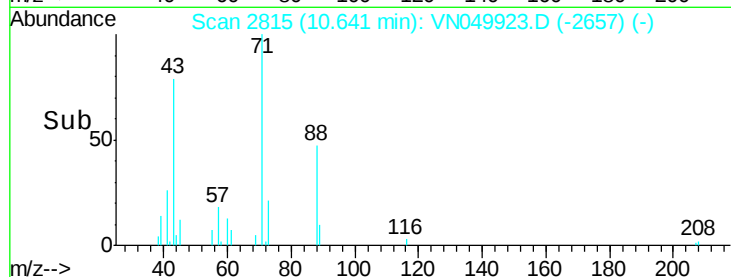
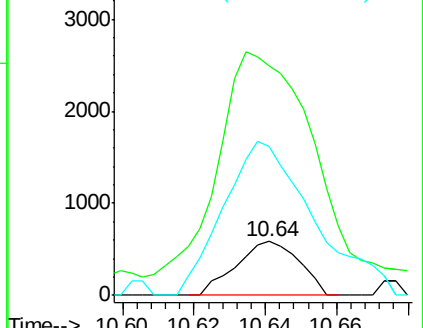
39 406.8 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 4.78 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049923.D

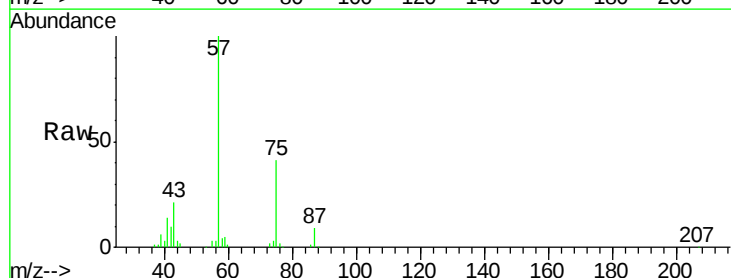
Acq: 19 Jul 2018 18:08

Tgt Ion: 43 Resp: 22552

Ion Ratio Lower Upper

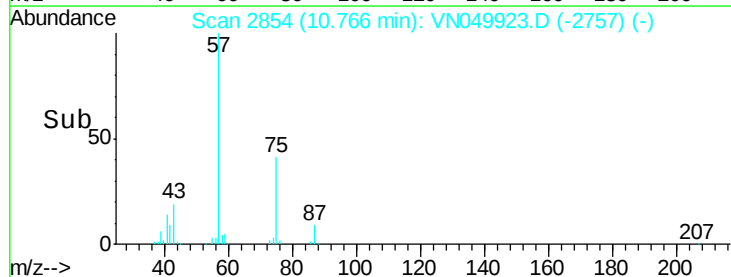
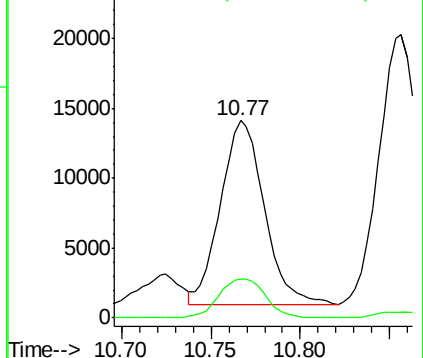
43 100

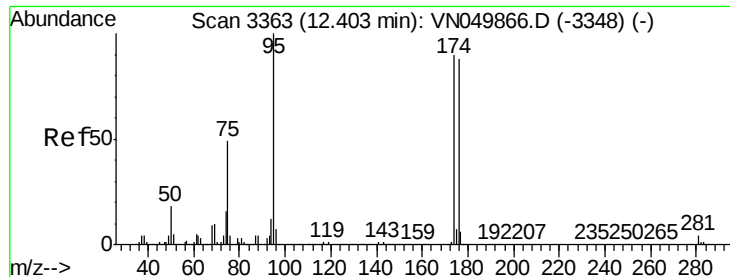
58 22.4 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

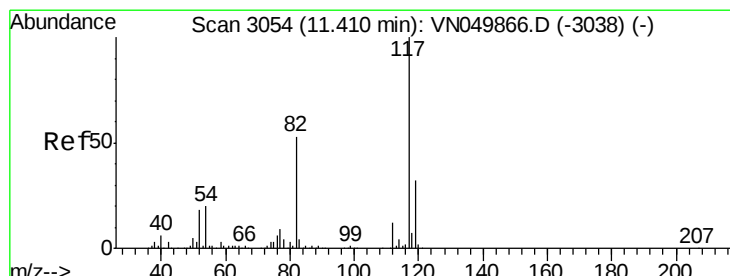
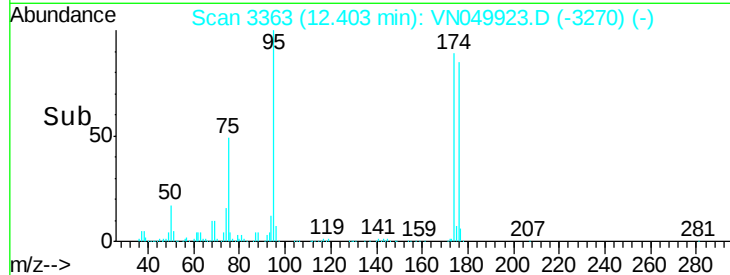
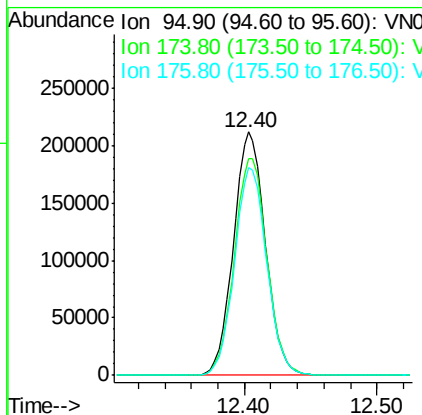
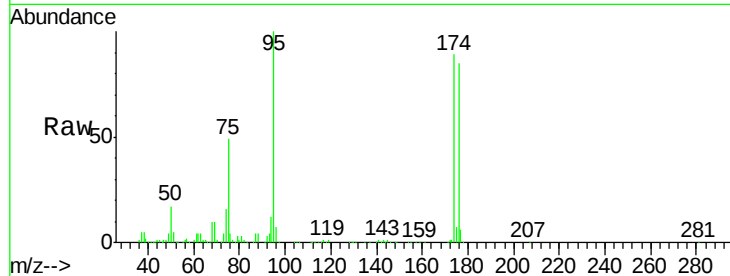




#62
4-Bromofluorobenzene
Concen: 35.68 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049923.D
Acq: 19 Jul 2018 18:08

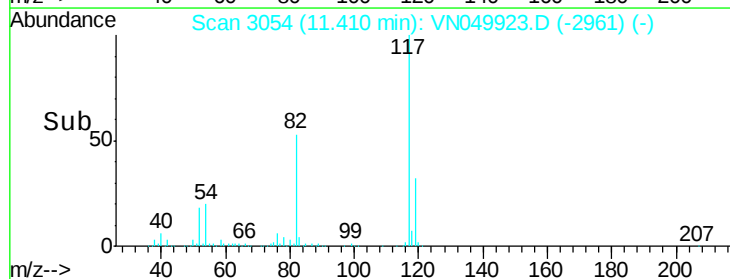
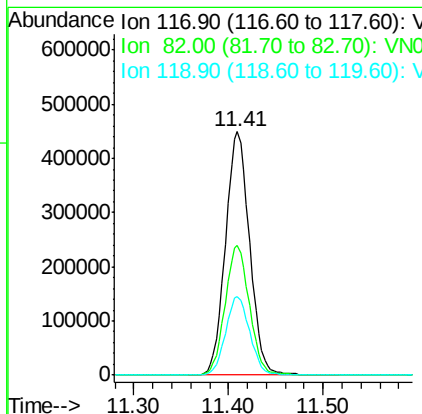
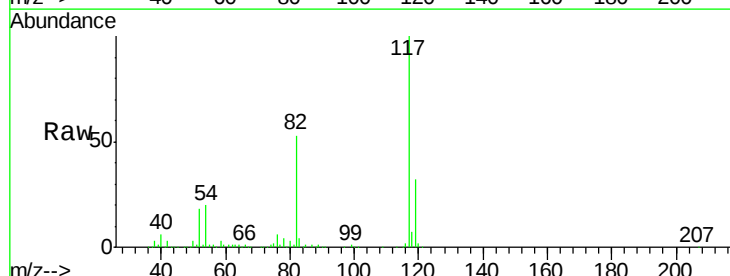
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#10

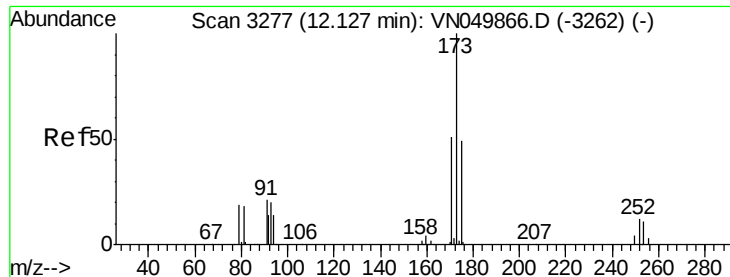
Tot Ion: 95 Resp: 353945
Ion Ratio Lower Upper
95 100
174 91.5 0.0 179.6
176 86.0 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049923.D
Acq: 19 Jul 2018 18:08

Tgt Ion: 117 Resp: 796806
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.4 25.4 38.2





#71

Bromoform

Concen: 0.56 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10

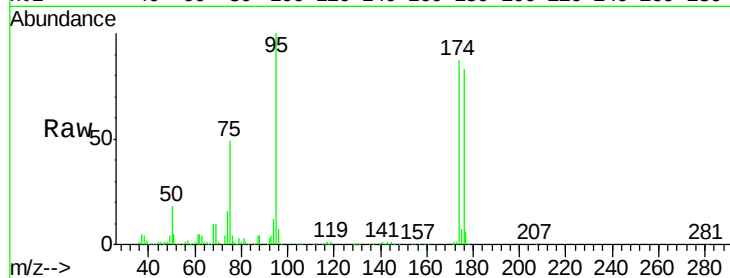
Tot Ion:173 Resp: 3116

Ion Ratio Lower Upper

173 100

175 631.9 24.6 73.8#

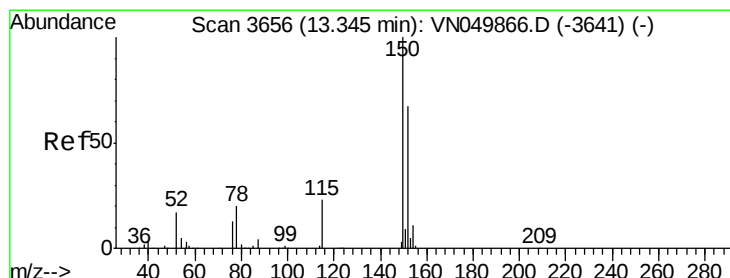
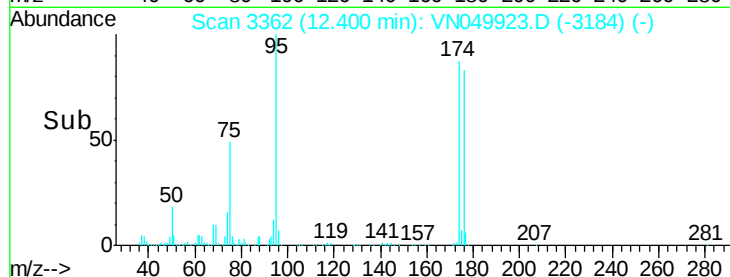
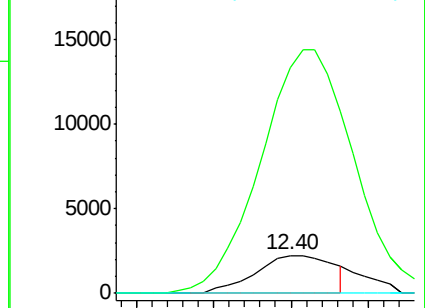
254 0.0 0.2 0.2#



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# 3657

Delta R.T. 0.00 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

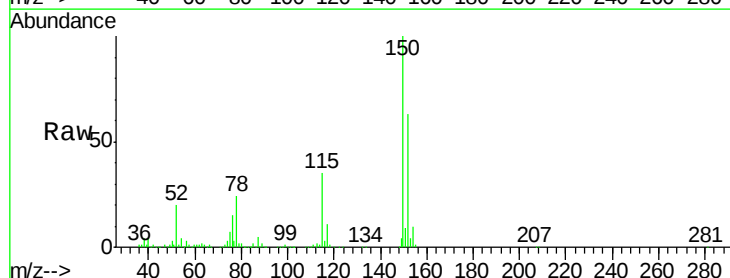
Tgt Ion:152 Resp: 296114

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

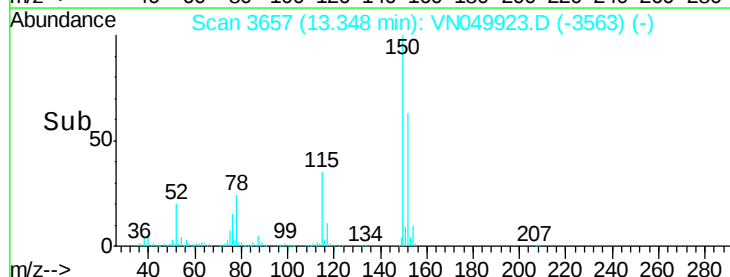
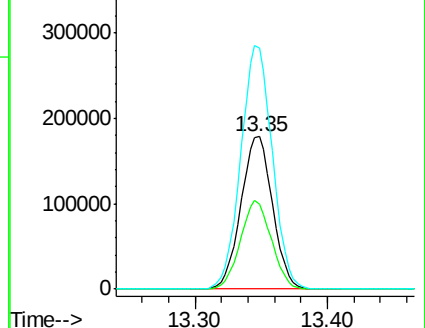
150 159.2 0.0 347.6

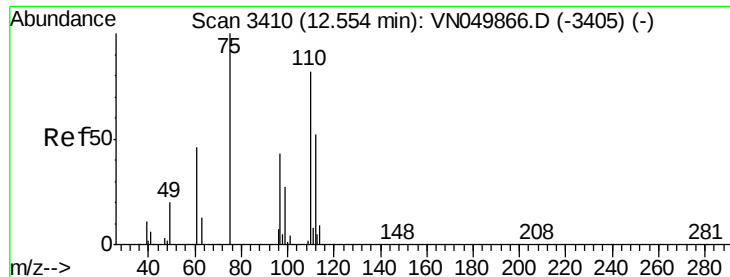


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

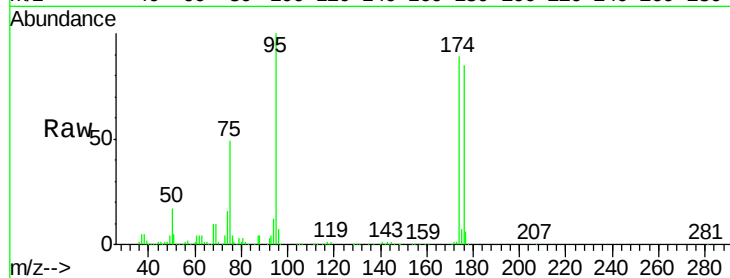
PB111251ZHE#10

Tot Ion: 75 Resp: 174032

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049923.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049923.D (-3317) (-)

12.40

100000

80000

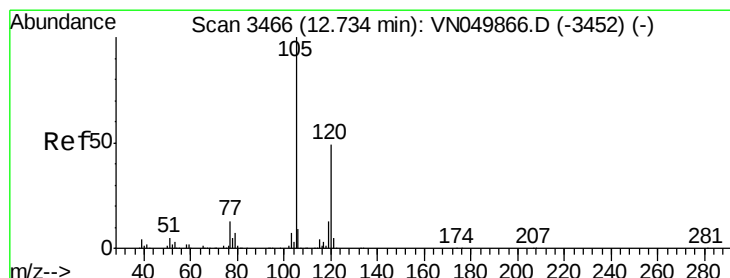
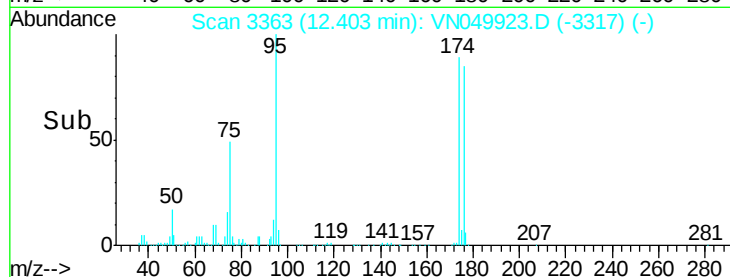
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049923.D

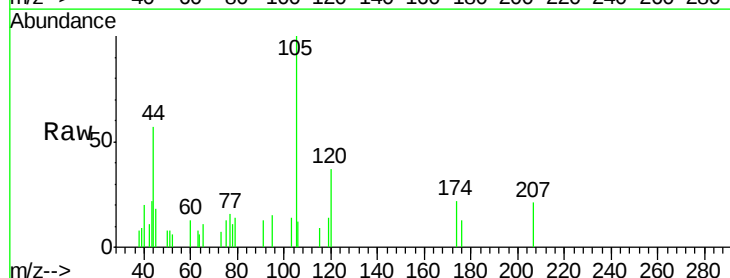
Acq: 19 Jul 2018 18:08

Tgt Ion: 105 Resp: 3913

Ion Ratio Lower Upper

105 100

120 41.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049923.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049923.D (-3373) (-)

12.73

2500

2000

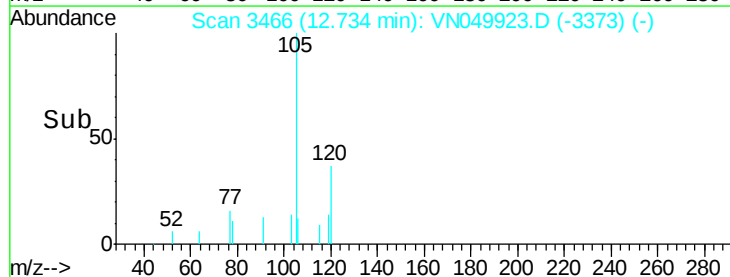
1500

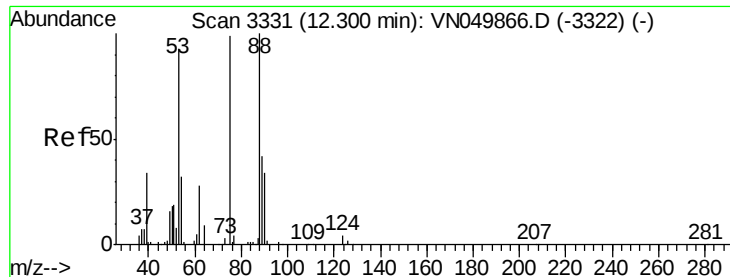
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 97.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10

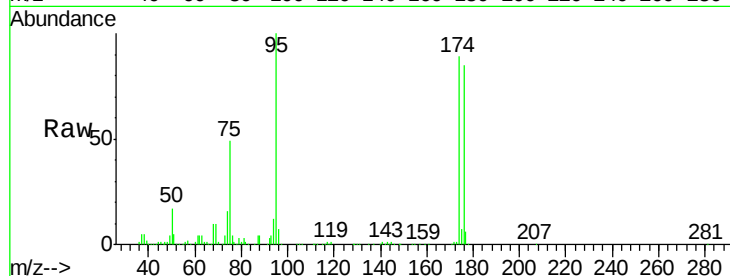
Tot Ion: 75 Resp: 174032

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

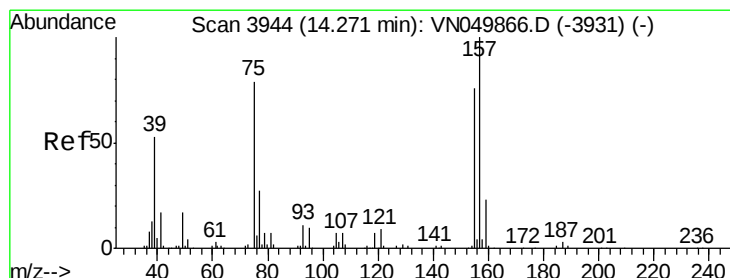
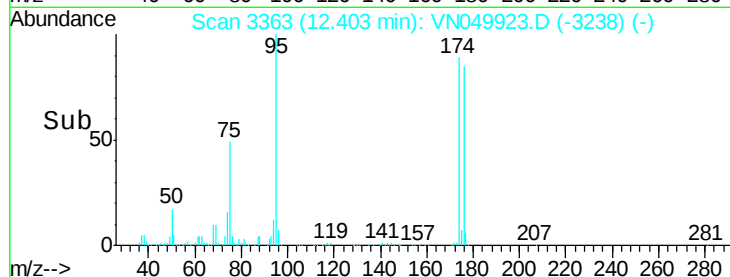
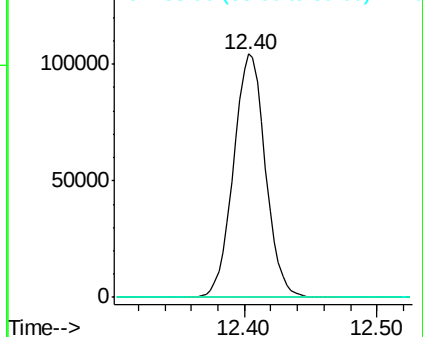
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.30 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. -0.03 min

Lab File: VN049923.D

Acq: 19 Jul 2018 18:08

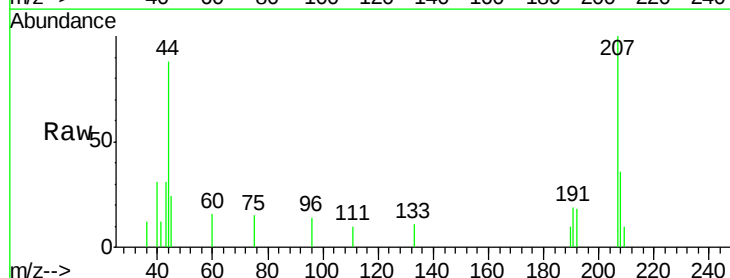
Tgt Ion: 75 Resp: 315

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

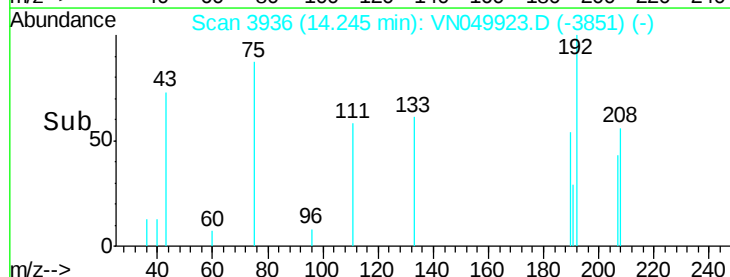
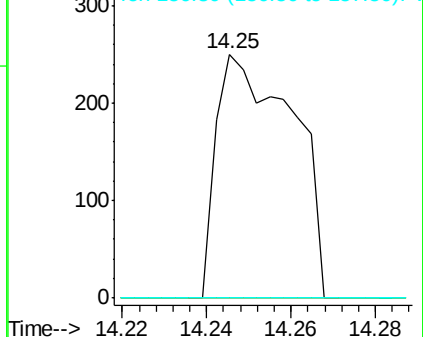
157 0.0 56.9 170.7#

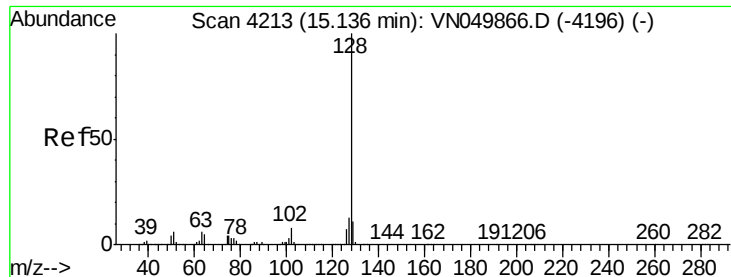


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049923.D

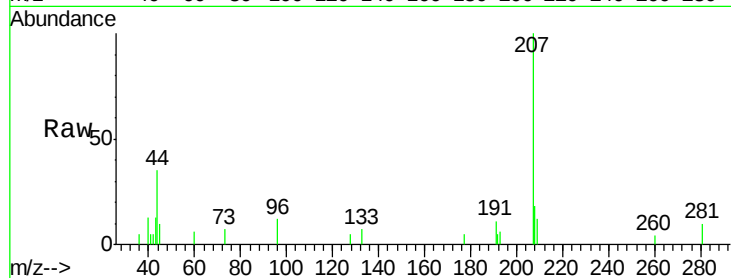
Acq: 19 Jul 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#10



Tot Ion:	128	Resp:	222
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

