

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049924.D
 Acq On : 19 Jul 2018 18:34
 Operator : MD\SY
 Sample : PB111251ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#11

Quant Time: Jul 20 01:30:53 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	558516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	961763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305877	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	412621	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	7.59	113	362970	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
50) Toluene-d8	10.09	98	1280751	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
62) 4-Bromofluorobenzene	12.40	95	354747	35.01	ug/l	0.00
Spiked Amount			Recovery	=	70.02%	

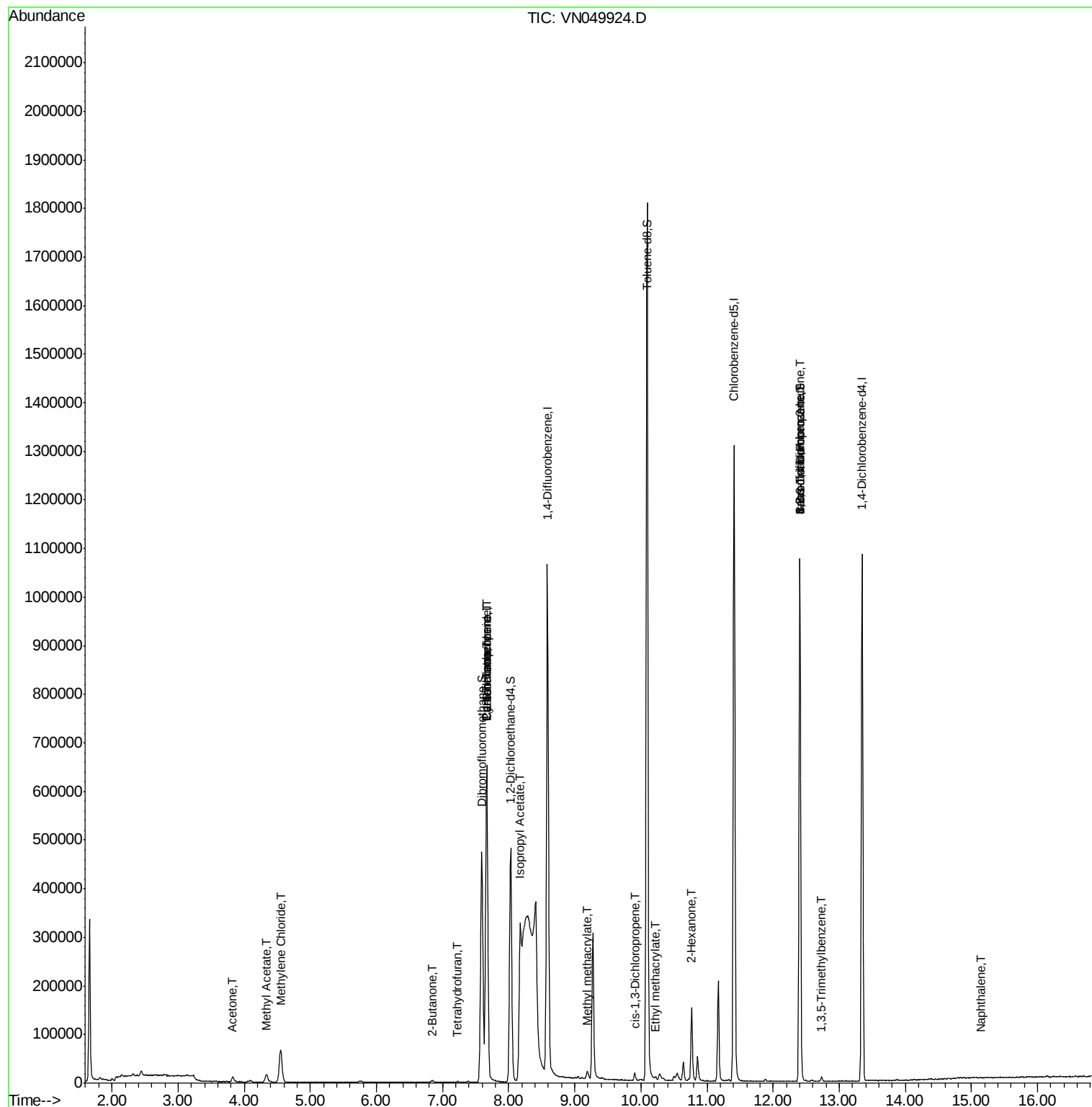
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	376	Below Cal		98
16) Acetone	3.82	43	16024	8.06	ug/l	95
18) Methyl Acetate	4.34	43	31360	4.27	ug/l	91
20) Methylene Chloride	4.55	84	50664	6.70	ug/l	98
25) 2-Butanone	6.85	43	4583	1.61	ug/l #	87
29) Tetrahydrofuran	7.21	42	802	0.45	ug/l #	47
31) Cyclohexane	7.67	56	11127	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39479	3.69	ug/l #	43
38) Carbon Tetrachloride	7.67	117	52733	4.60	ug/l #	17
43) Isopropyl Acetate	8.17	43	409506	31.92	ug/l #	88
48) Methyl methacrylate	9.18	41	9039	1.40	ug/l #	15
54) cis-1,3-Dichloropropene	9.90	75	2504	0.20	ug/l #	73
56) Ethyl methacrylate	10.23	69	2750	2.40	ug/l #	60
59) 2-Hexanone	10.77	43	20401	4.24	ug/l #	58
71) Bromoform	12.40	173	3286	0.58	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	177056	30.86	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	3727	0.20	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	177056	96.49	ug/l #	13
95) Naphthalene	15.14	128	97	4.50	ug/l #	69

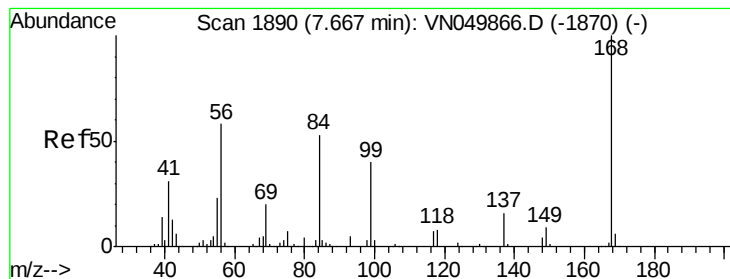
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

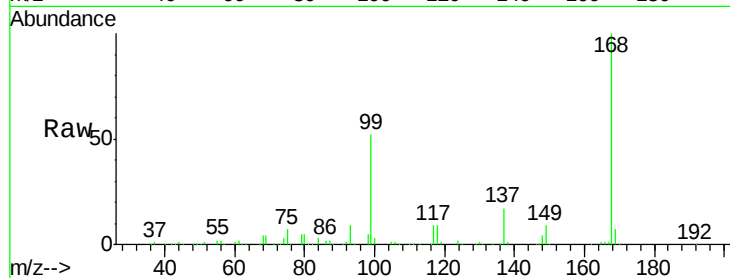
PB111251ZHE#11

Tot Ion:168 Resp: 558516

Ion Ratio Lower Upper

168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

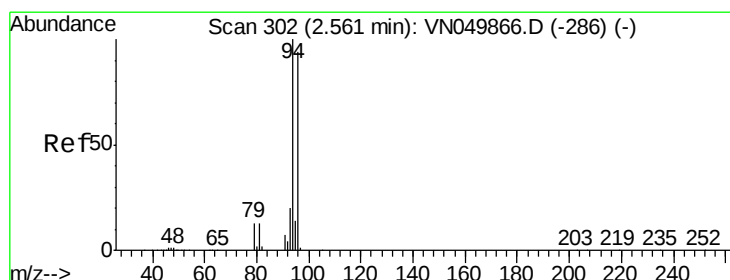
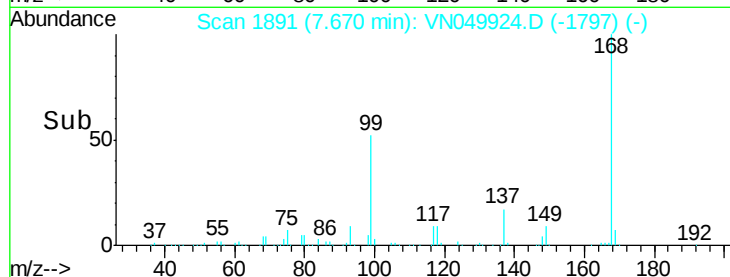
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049924.D

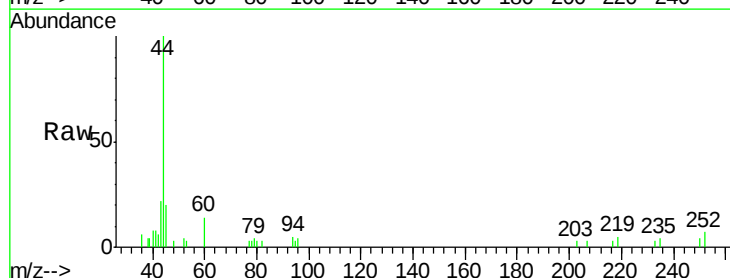
Acq: 19 Jul 2018 18:34

Tgt Ion: 94 Resp: 376

Ion Ratio Lower Upper

94 100

96 92.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

300

250

200

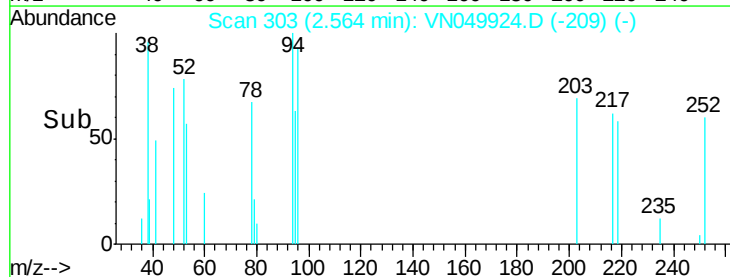
150

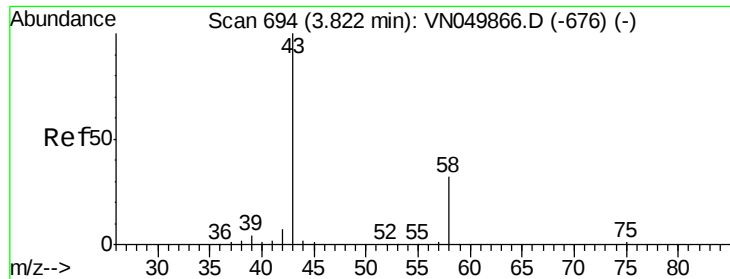
100

50

0

Time-->





#16

Acetone

Concen: 8.06 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

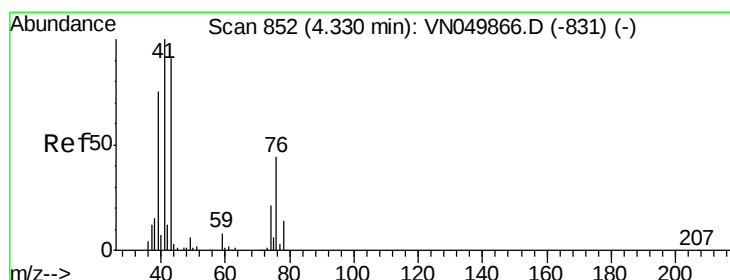
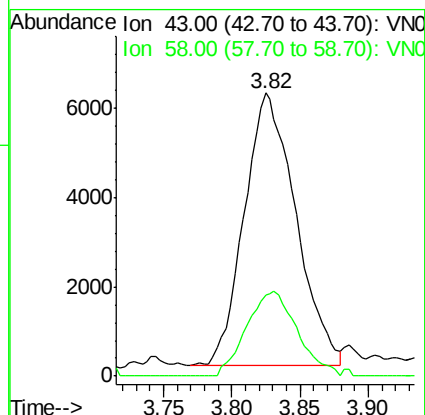
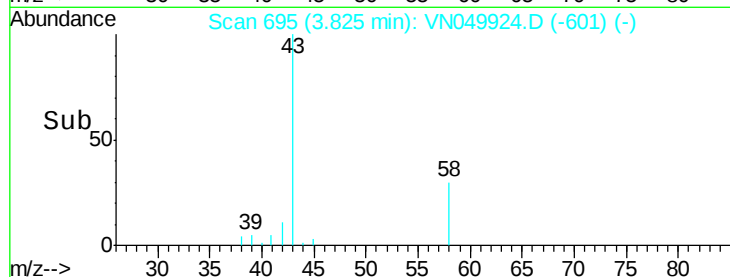
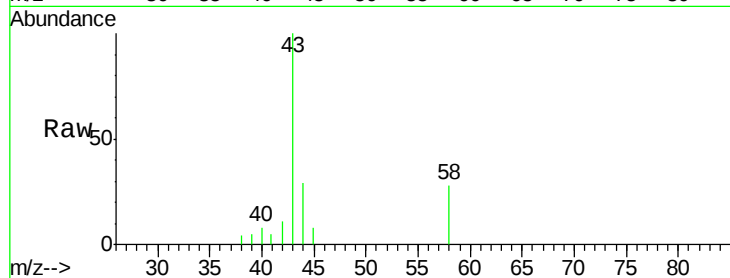
PB111251ZHE#11

Tot Ion: 43 Resp: 16024

Ion Ratio Lower Upper

43 100

58 29.5 25.9 38.9



#18

Methyl Acetate

Concen: 4.27 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049924.D

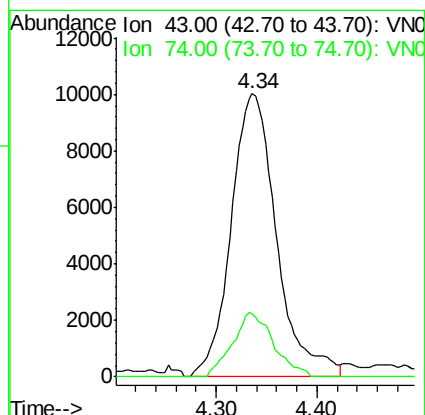
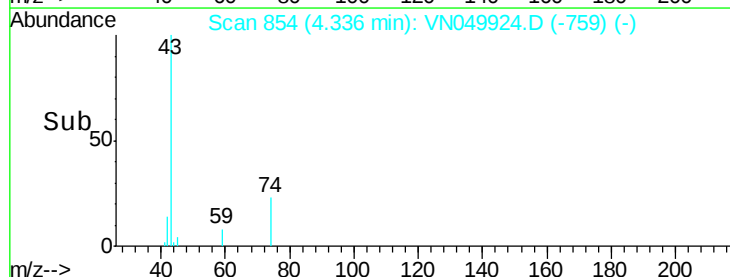
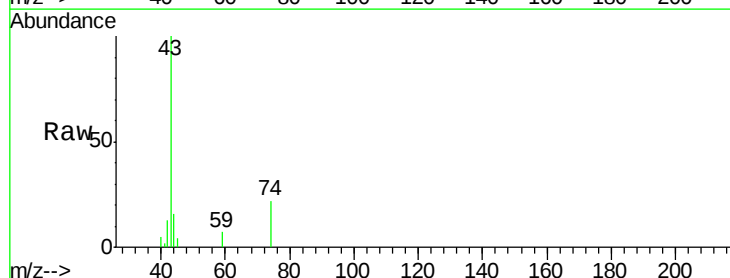
Acq: 19 Jul 2018 18:34

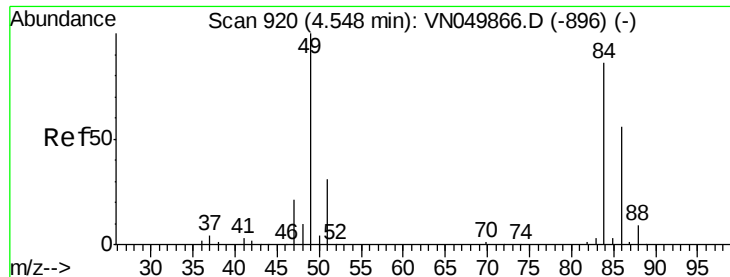
Tgt Ion: 43 Resp: 31360

Ion Ratio Lower Upper

43 100

74 20.5 19.8 29.8

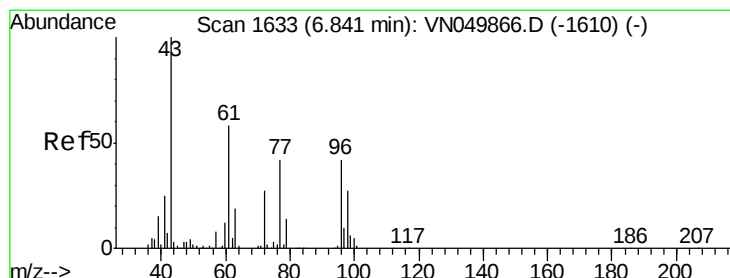
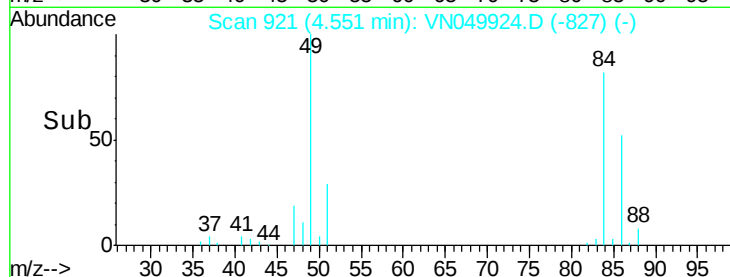
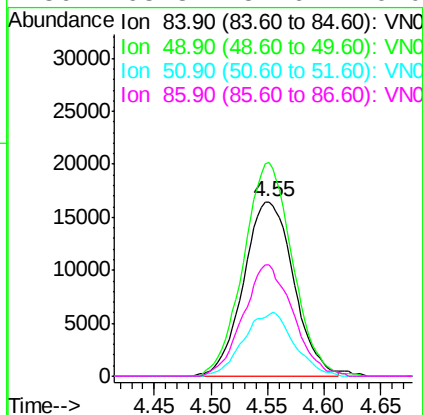
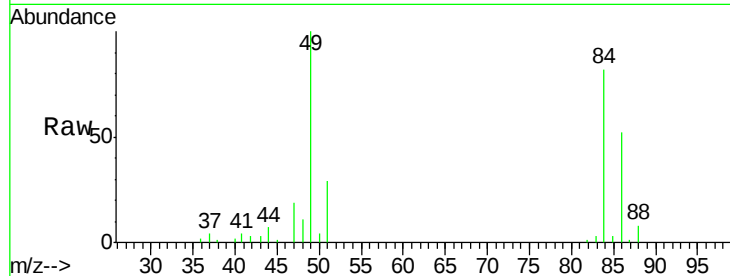




#20
Methvlene Chloride
Concen: 6.70 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

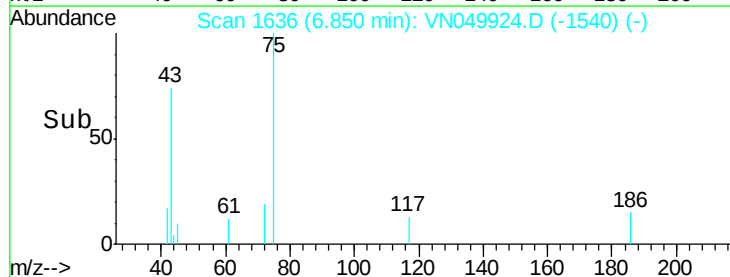
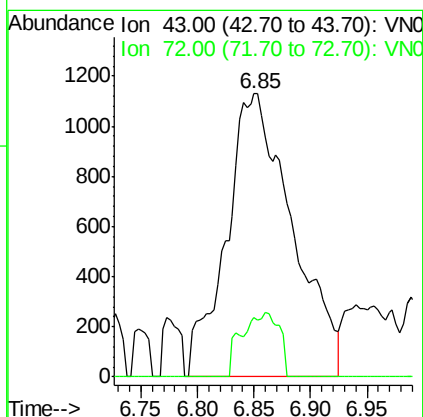
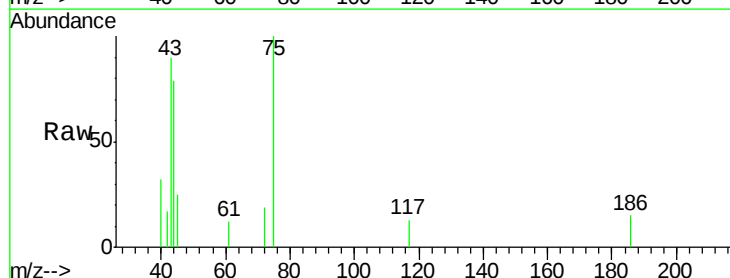
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#11

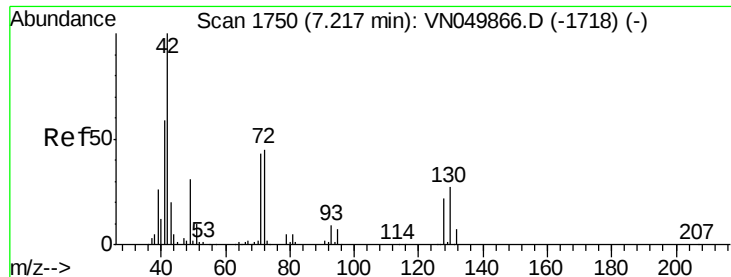
Tot Ion: 84 Resp: 50664
Ion Ratio Lower Upper
84 100
49 122.4 95.4 143.2
51 35.4 28.4 42.6
86 63.8 52.6 79.0



#25
2-Butanone
Concen: 1.61 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

Tgt Ion: 43 Resp: 4583
Ion Ratio Lower Upper
43 100
72 20.9 22.1 33.1#





#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#11

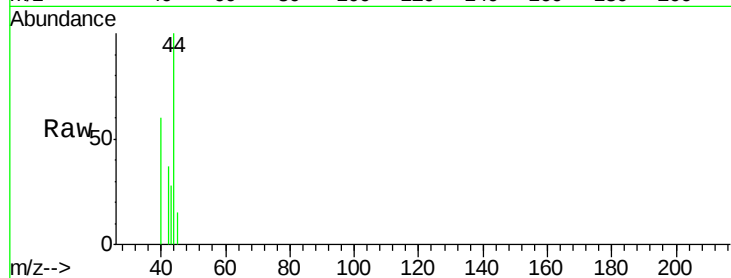
Tot Ion: 42 Resp: 802

Ion Ratio Lower Upper

42 100

72 18.1 35.6 53.4#

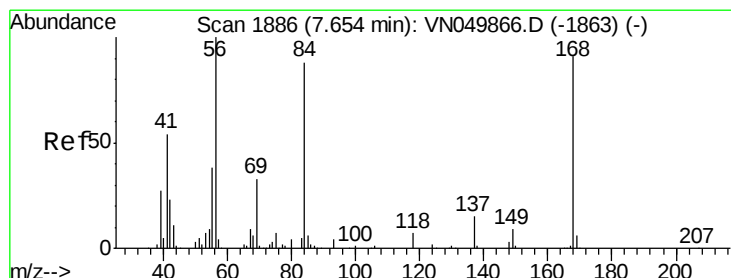
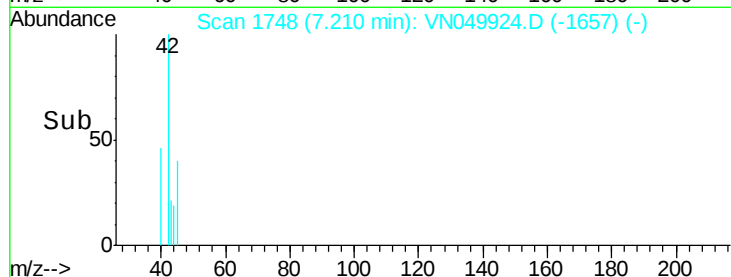
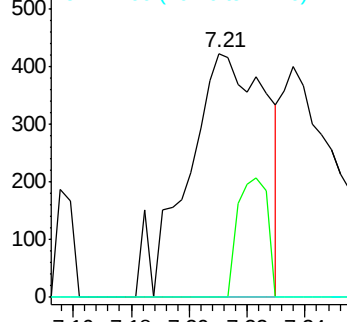
71 0.0 34.0 51.0#



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: 1.09 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

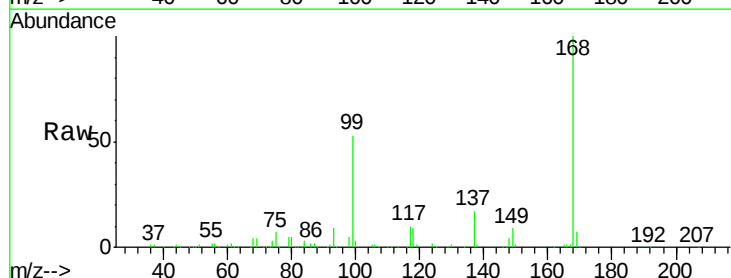
Tgt Ion: 56 Resp: 11127

Ion Ratio Lower Upper

56 100

69 179.8 26.6 40.0#

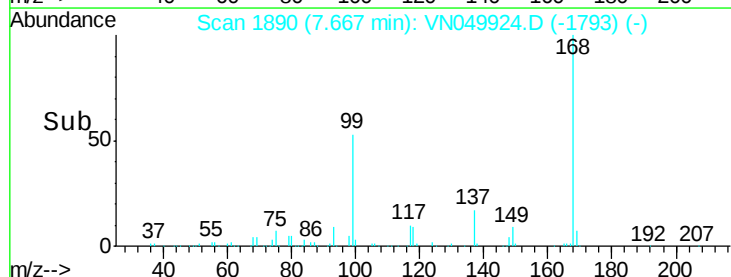
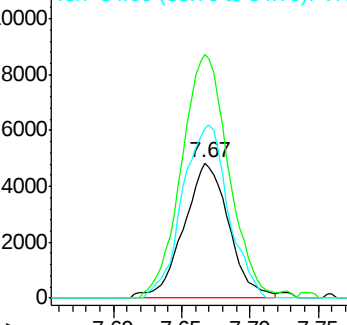
84 124.6 69.0 103.6#

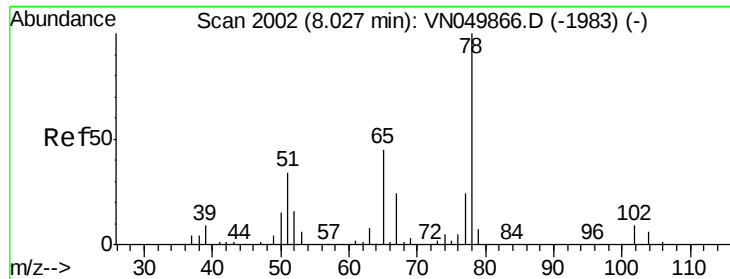


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

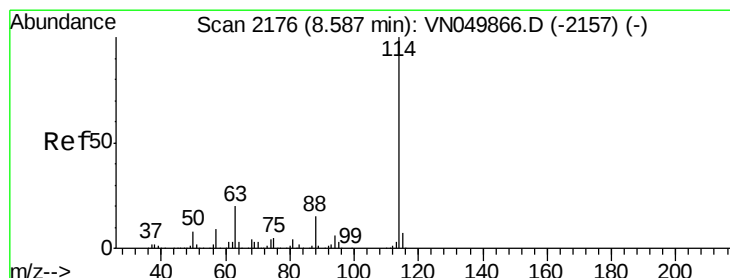
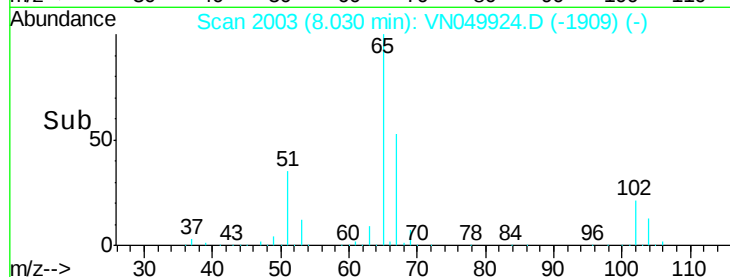
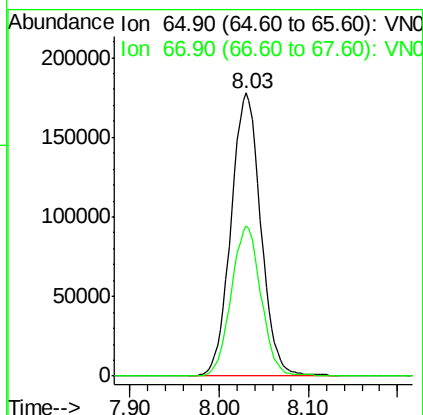
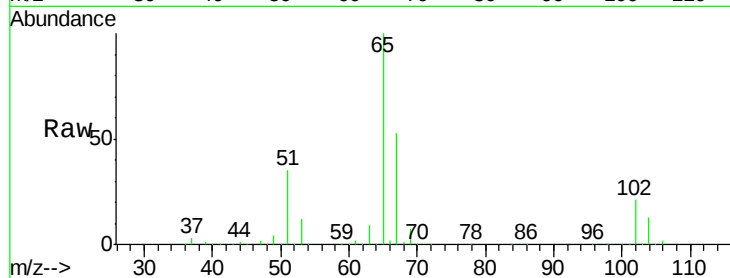




#33
 1,2-Dichloroethane-d4
 Concen: 53.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049924.D
 Acq: 19 Jul 2018 18:34

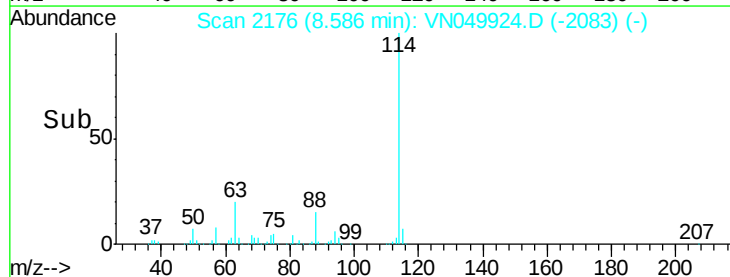
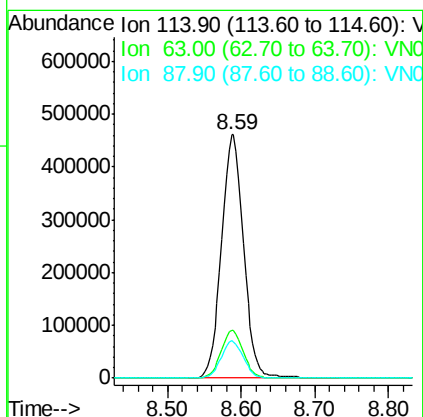
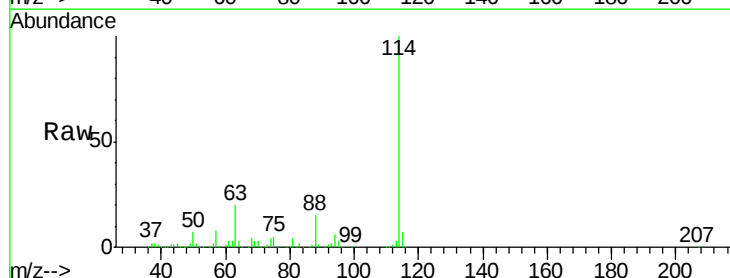
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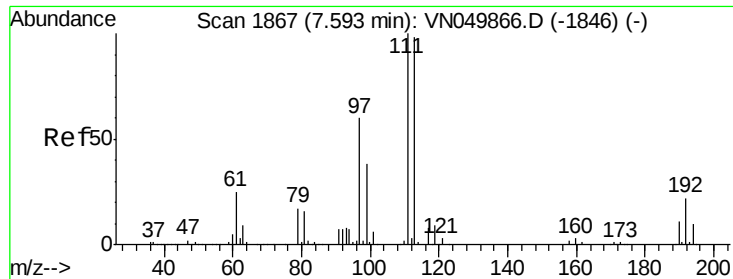
Tot Ion: 65 Resp: 412621
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049924.D
 Acq: 19 Jul 2018 18:34

Tgt Ion: 114 Resp: 961763
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 30.6

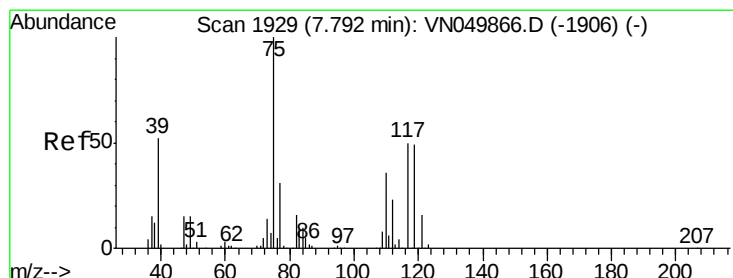
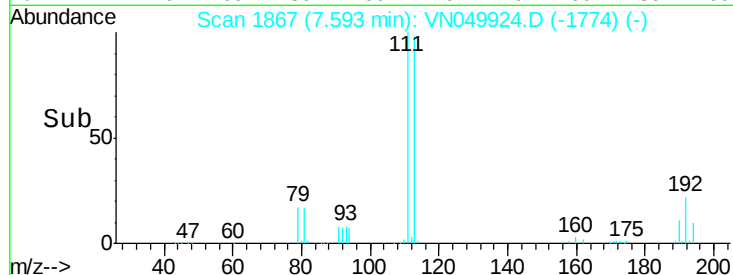
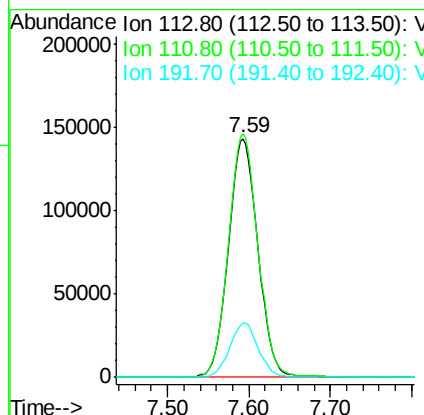
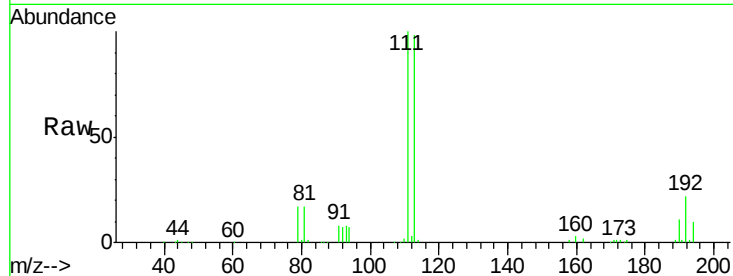




#35
 Dibromofluoromethane
 Concen: 44.96 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049924.D
 Acq: 19 Jul 2018 18:34

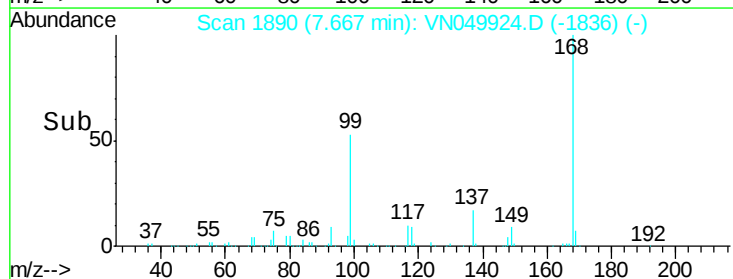
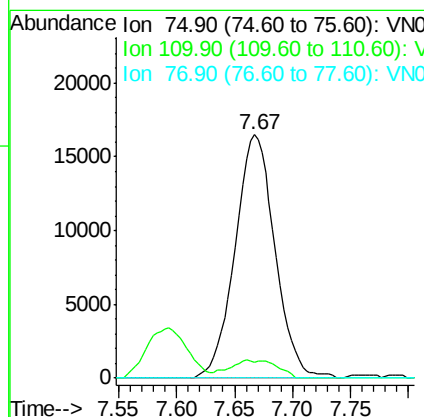
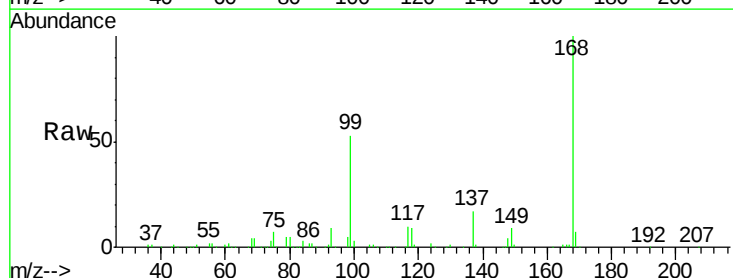
Instrument :
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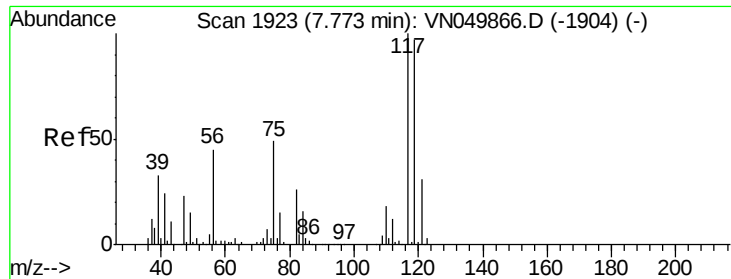
Tot Ion:113 Resp: 362970
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.69 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049924.D
 Acq: 19 Jul 2018 18:34

Tgt Ion: 75 Resp: 39479
 Ion Ratio Lower Upper
 75 100
 110 2.9 18.1 54.4#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#11

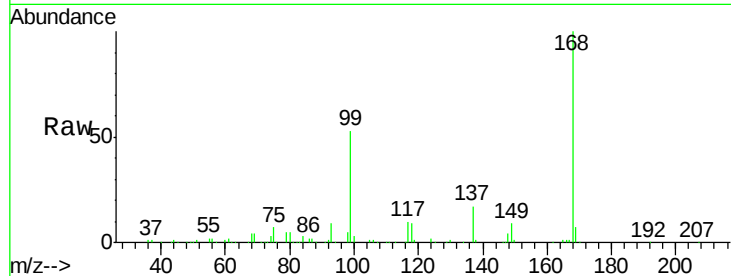
Tot Ion:117 Resp: 52733

Ion Ratio Lower Upper

117 100

119 7.0 77.2 115.8#

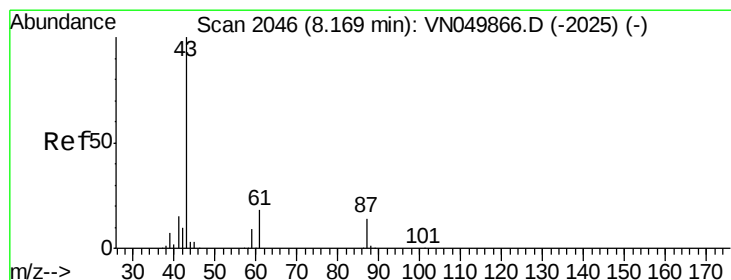
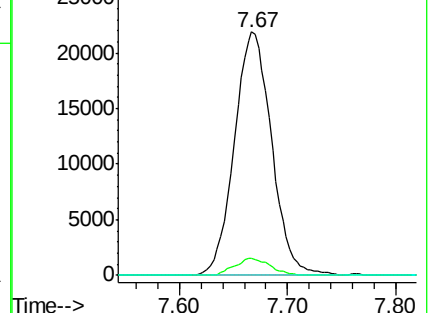
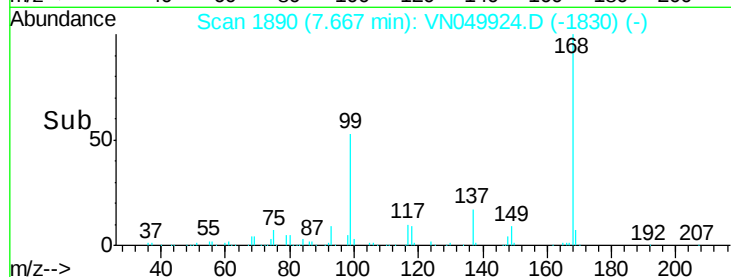
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 31.92 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

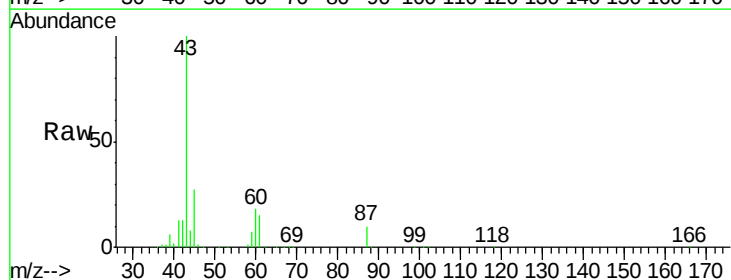
Tgt Ion: 43 Resp: 409506

Ion Ratio Lower Upper

43 100

61 12.9 14.9 22.3#

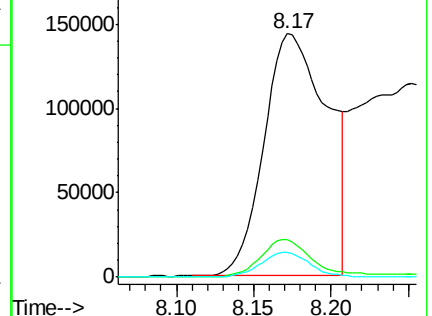
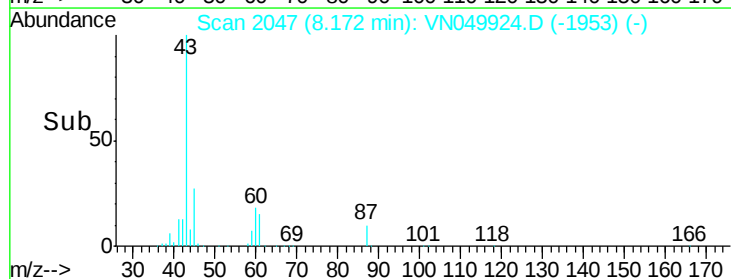
87 7.9 10.0 15.0#

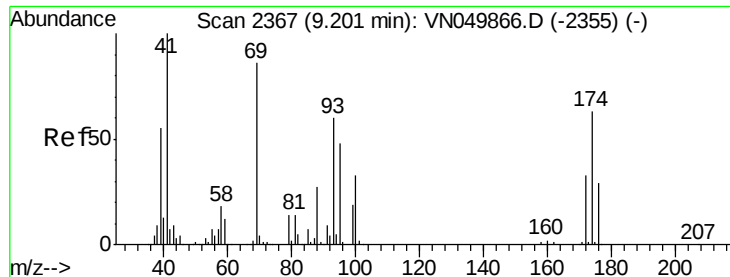


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

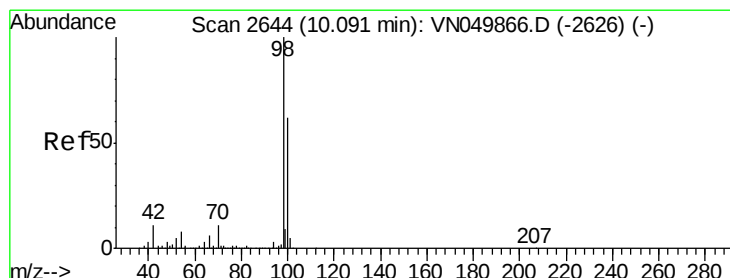
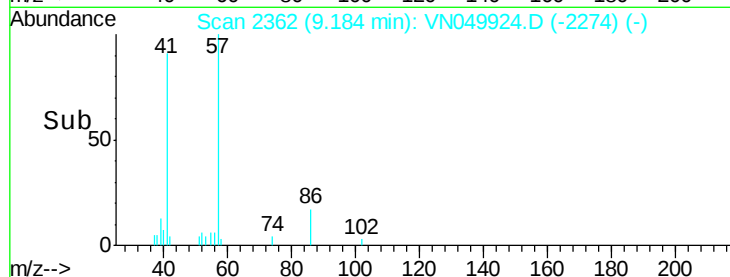
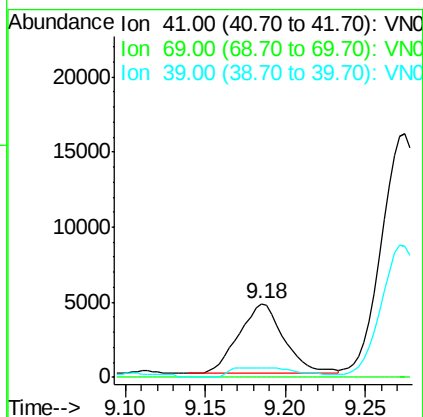
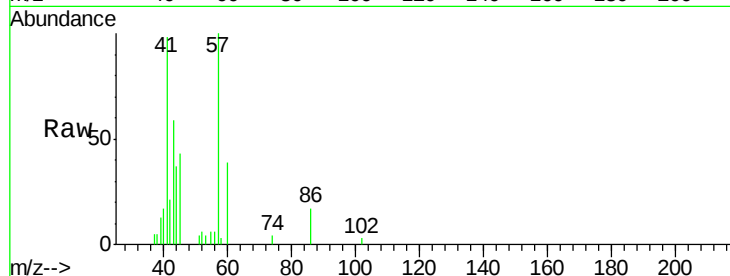




#48
Methyl methacrylate
Concen: 1.40 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

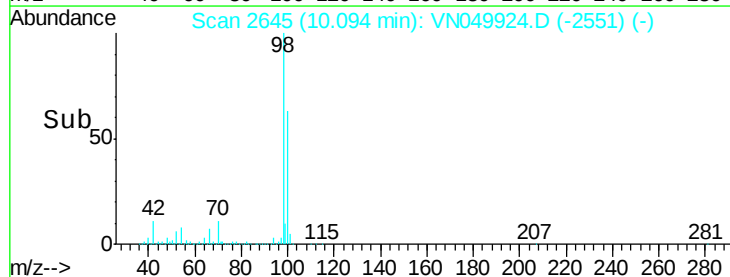
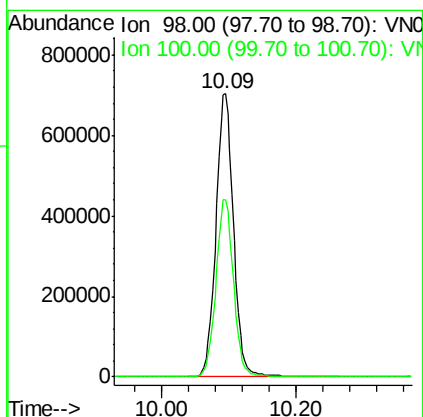
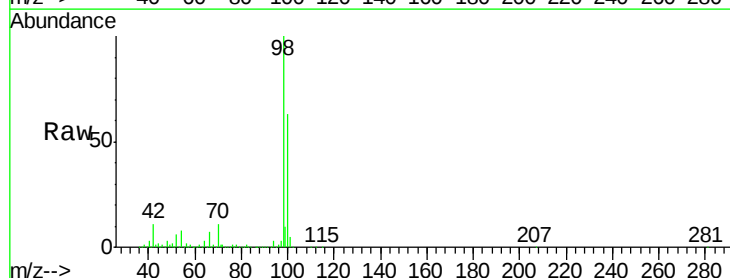
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#11

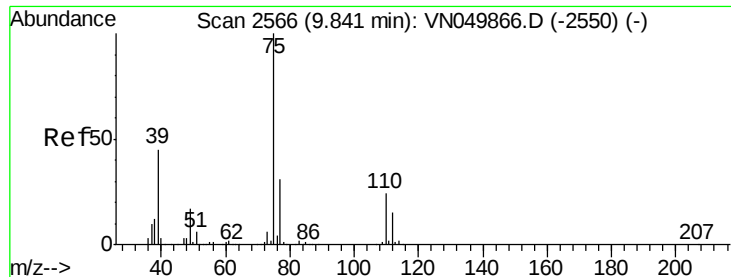
Tot Ion: 41 Resp: 9039
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 6.7 44.7 67.1#



#50
Toluene-d8
Concen: 43.54 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

Tgt Ion: 98 Resp: 1280751
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5





#54

cis-1,3-Dichloropropene

Concen: 0.20 ug/l

RT: 9.90 min Scan# 2586

Delta R.T. 0.06 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#11

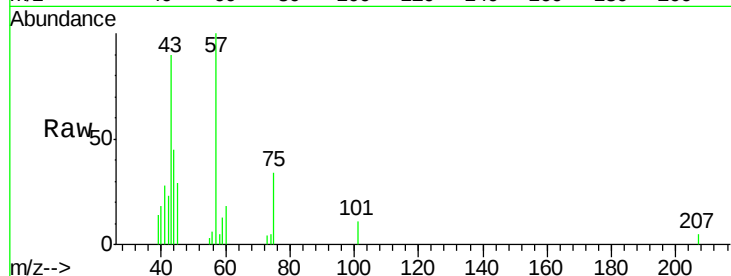
Tot Ion: 75 Resp: 2504

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 41.0 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-2550) (-)

Ion 76.90 (76.60 to 77.60): VN049866.D (-2550) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-2550) (-)

Time-->

9.85 9.90 9.95

1500

1000

500

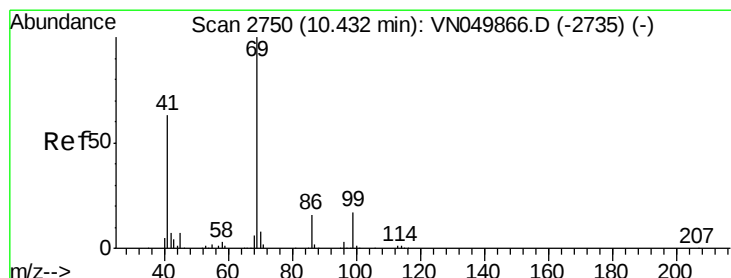
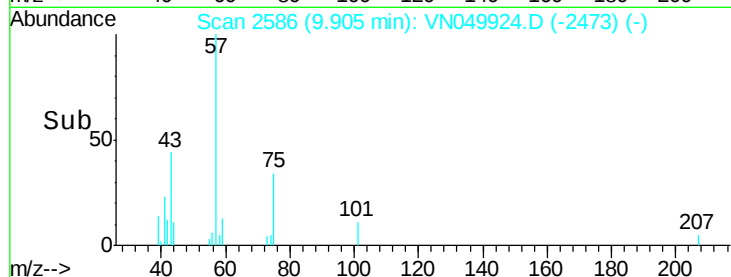
0

9.85 9.90 9.95

Time-->

9.85 9.90 9.95

Time-->



#56

Ethyl methacrylate

Concen: 2.40 ug/l

RT: 10.23 min Scan# 2688

Delta R.T. -0.20 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

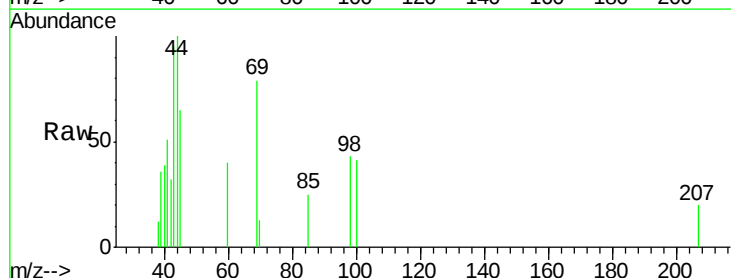
Tgt Ion: 69 Resp: 2750

Ion Ratio Lower Upper

69 100

41 36.7 51.6 77.4#

39 59.6 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049866.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN049866.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-2735) (-)

Time-->

10.20 10.25

1500

1000

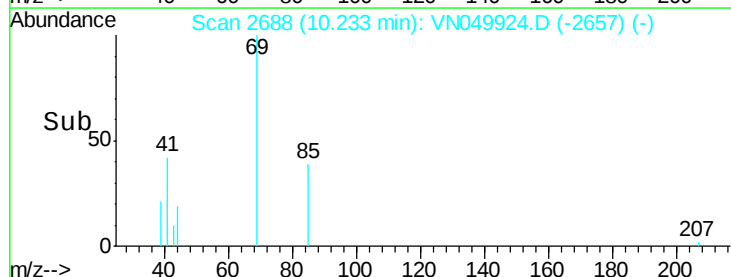
500

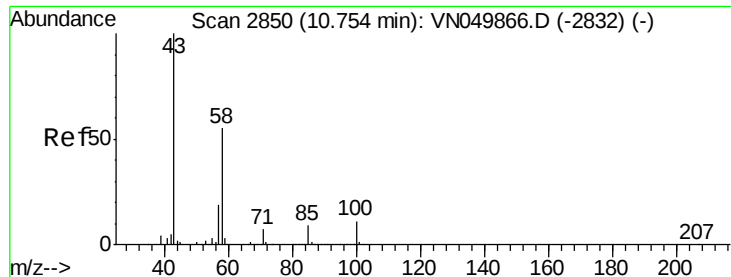
0

10.20 10.25

Time-->

Time-->





#59

2-Hexanone

Concen: 4.24 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

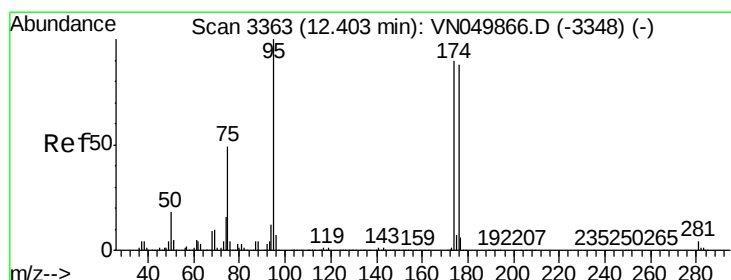
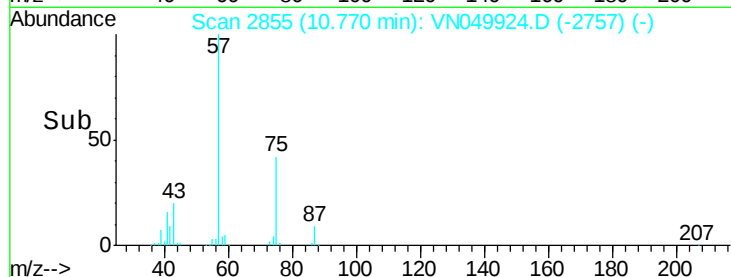
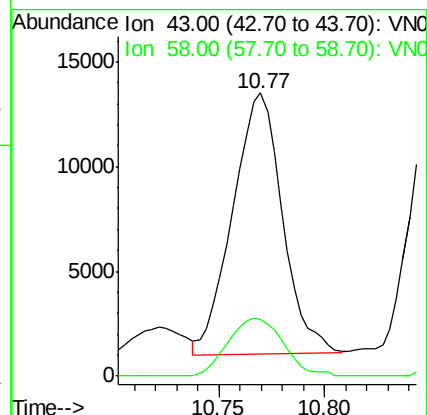
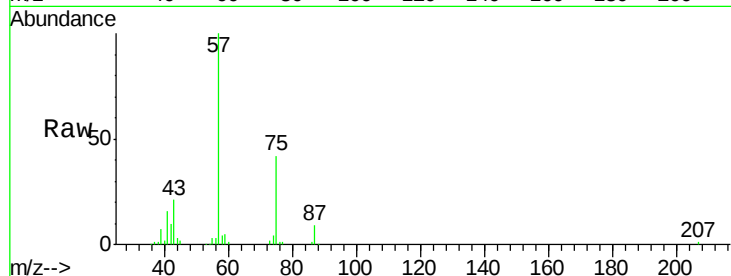
PB111251ZHE#11

Tot Ion: 43 Resp: 20401

Ion Ratio Lower Upper

43 100

58 24.7 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 35.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

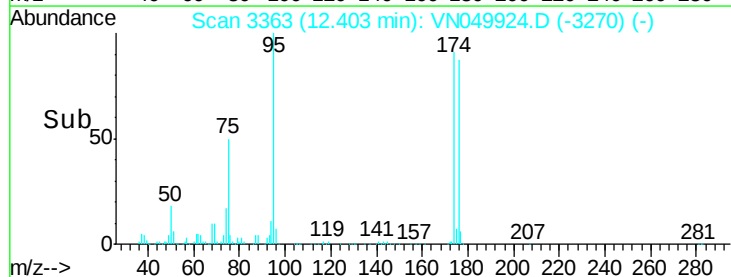
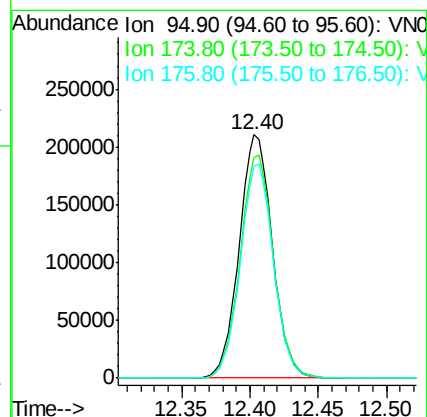
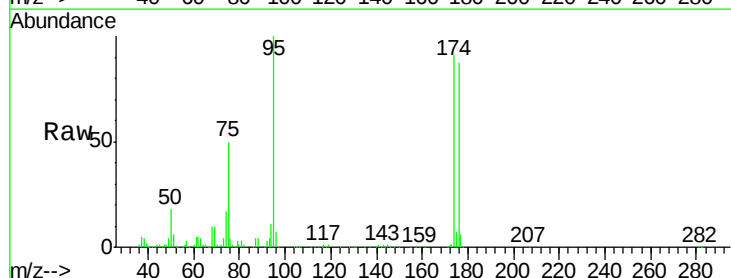
Tgt Ion: 95 Resp: 354747

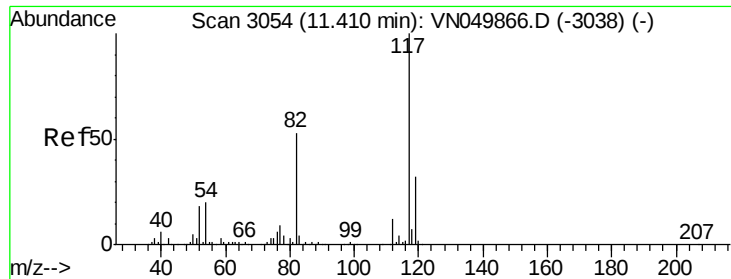
Ion Ratio Lower Upper

95 100

174 92.5 0.0 179.6

176 87.8 0.0 174.0

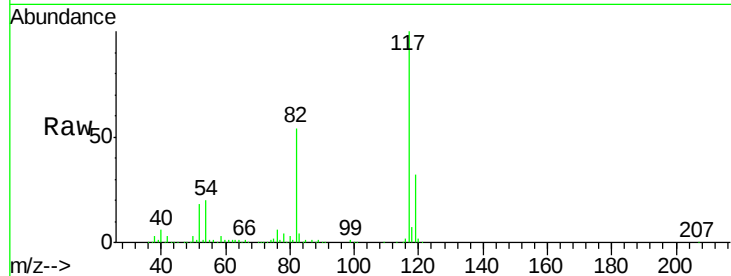




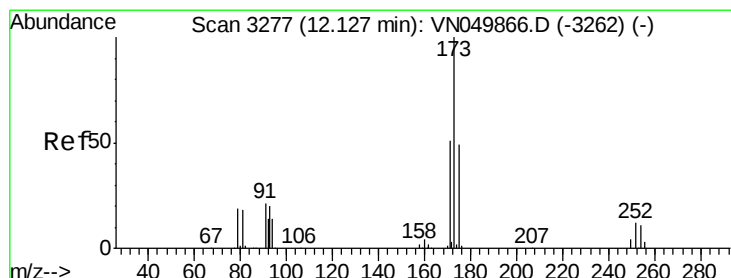
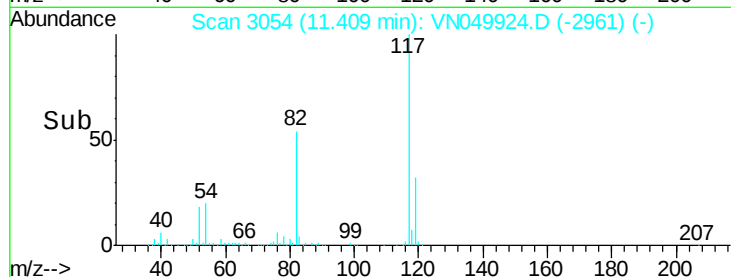
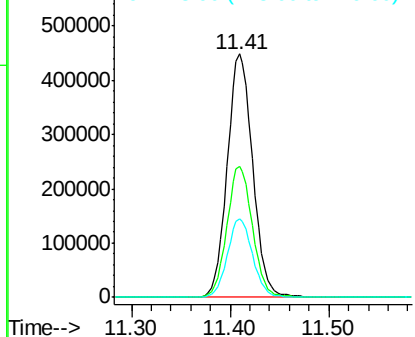
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#11

Tot Ion:117 Resp: 809424
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.1 25.4 38.2

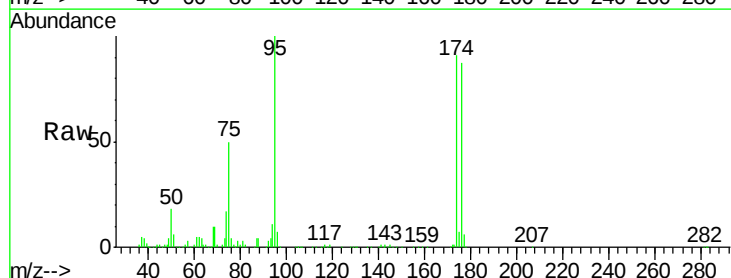


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

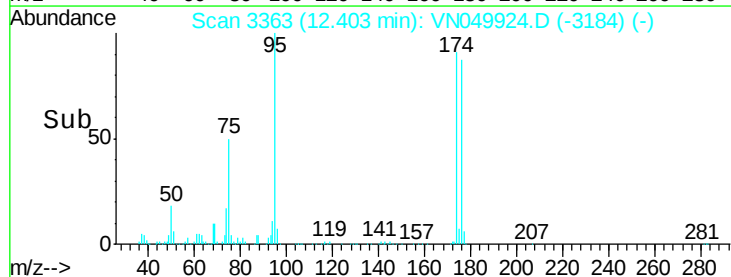
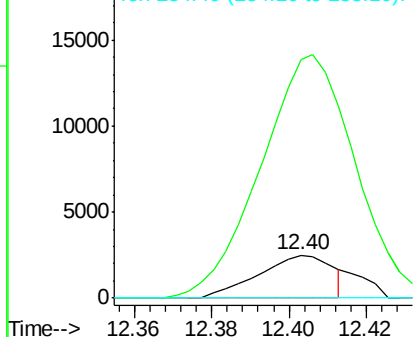


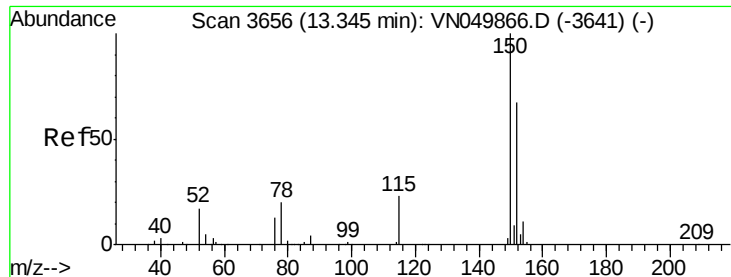
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

Tgt Ion:173 Resp: 3286
Ion Ratio Lower Upper
173 100
175 581.2 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: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#11

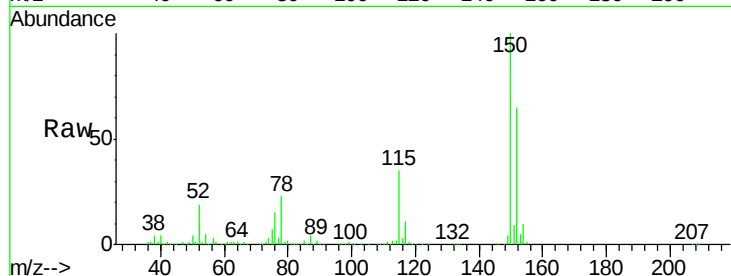
Tot Ion:152 Resp: 305877

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

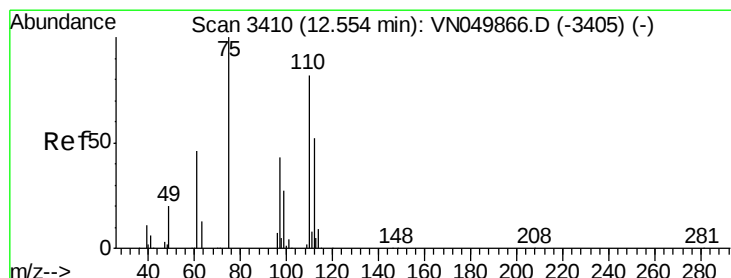
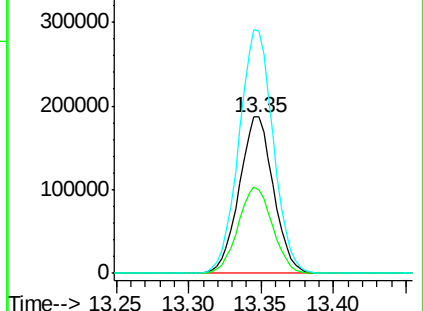
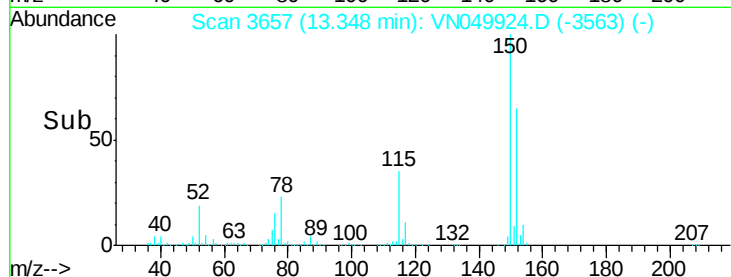
150 156.1 0.0 347.6



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: 30.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049924.D

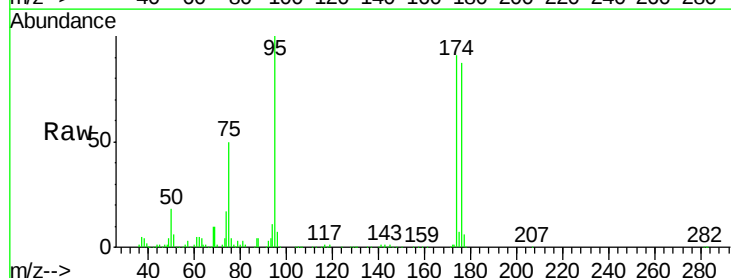
Acq: 19 Jul 2018 18:34

Tgt Ion: 75 Resp: 177056

Ion Ratio Lower Upper

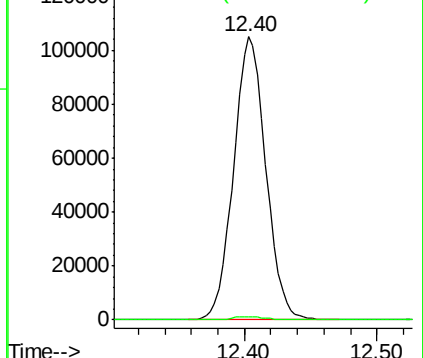
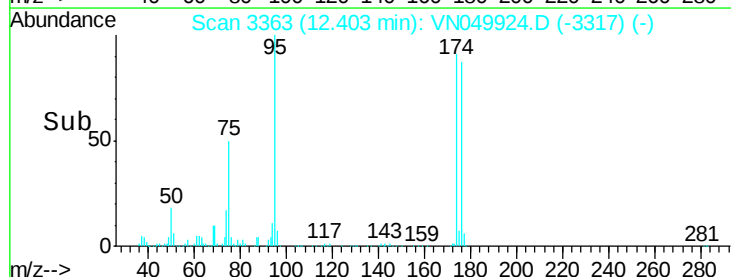
75 100

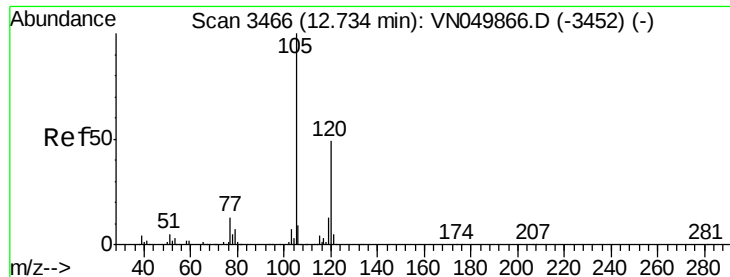
77 1.2 0.0 0.0#



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: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

Instrument :

MSVOA_N

ClientSampleId :

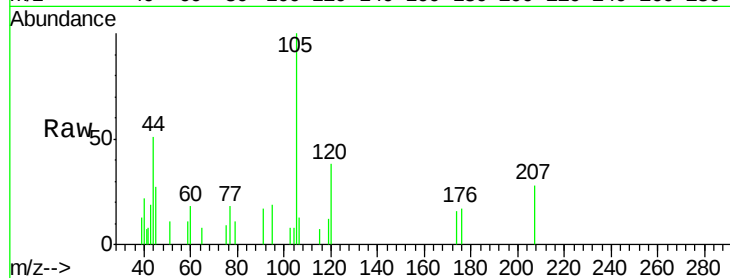
PB111251ZHE#11

Tot Ion:105 Resp: 3727

Ion Ratio Lower Upper

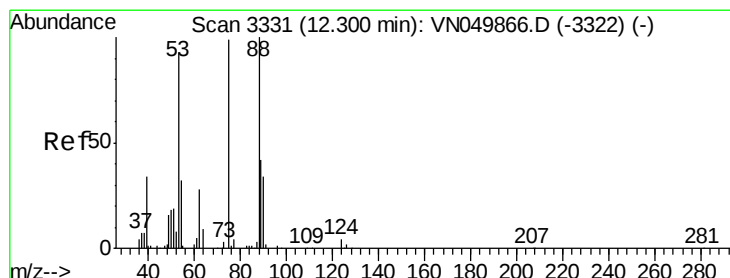
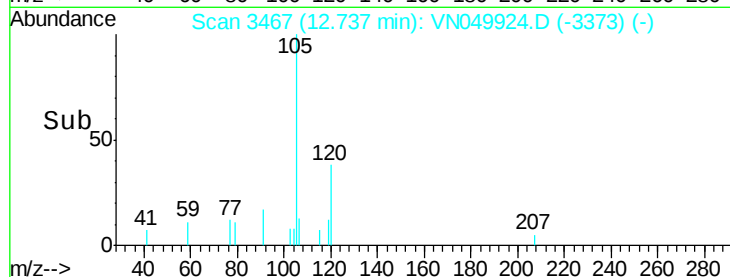
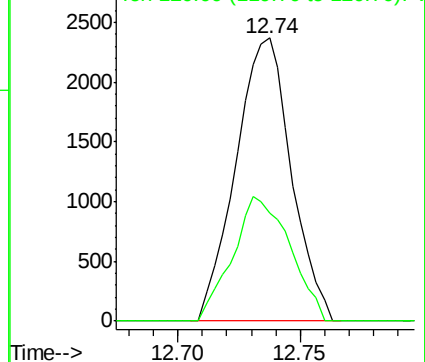
105 100

120 45.5 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: 96.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049924.D

Acq: 19 Jul 2018 18:34

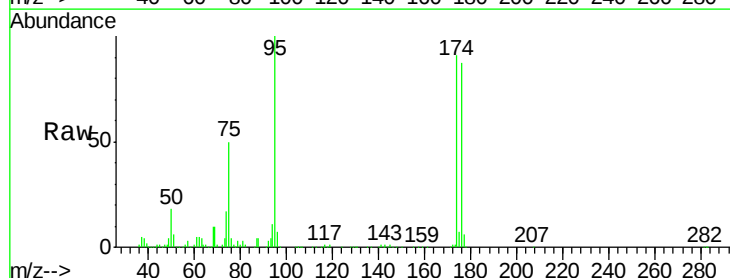
Tgt Ion: 75 Resp: 177056

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

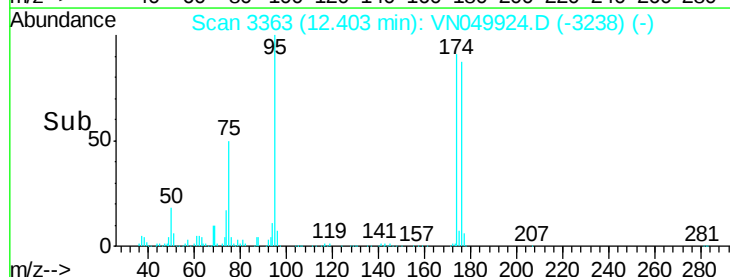
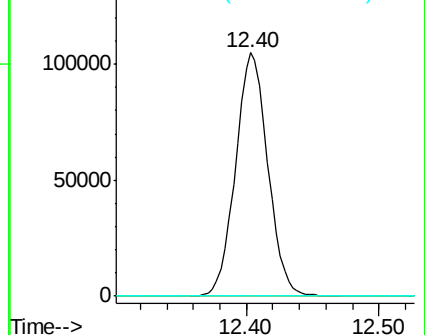
89 0.0 35.9 53.9#

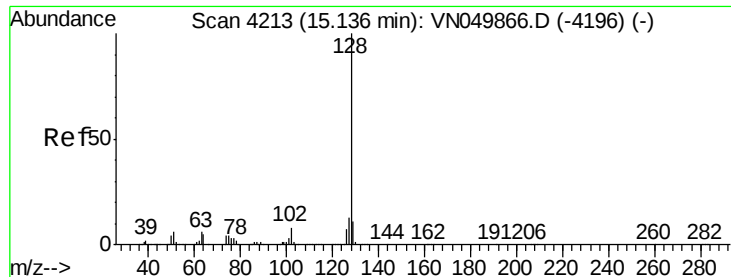


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

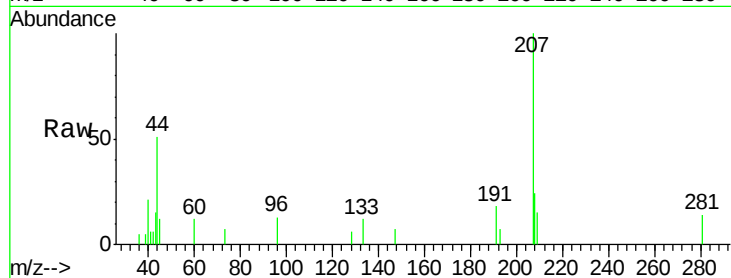




#95
Naphthalene
Concen: 4.50 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN049924.D
Acq: 19 Jul 2018 18:34

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#11

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

