

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049926.D
 Acq On : 19 Jul 2018 19:27
 Operator : MD\SY
 Sample : PB111251ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#13

Quant Time: Jul 20 01:31:21 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	548828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	951767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412190	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	7.59	113	357891	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
50) Toluene-d8	10.09	98	1264977	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
62) 4-Bromofluorobenzene	12.40	95	346933	34.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.20%	

Target Compounds

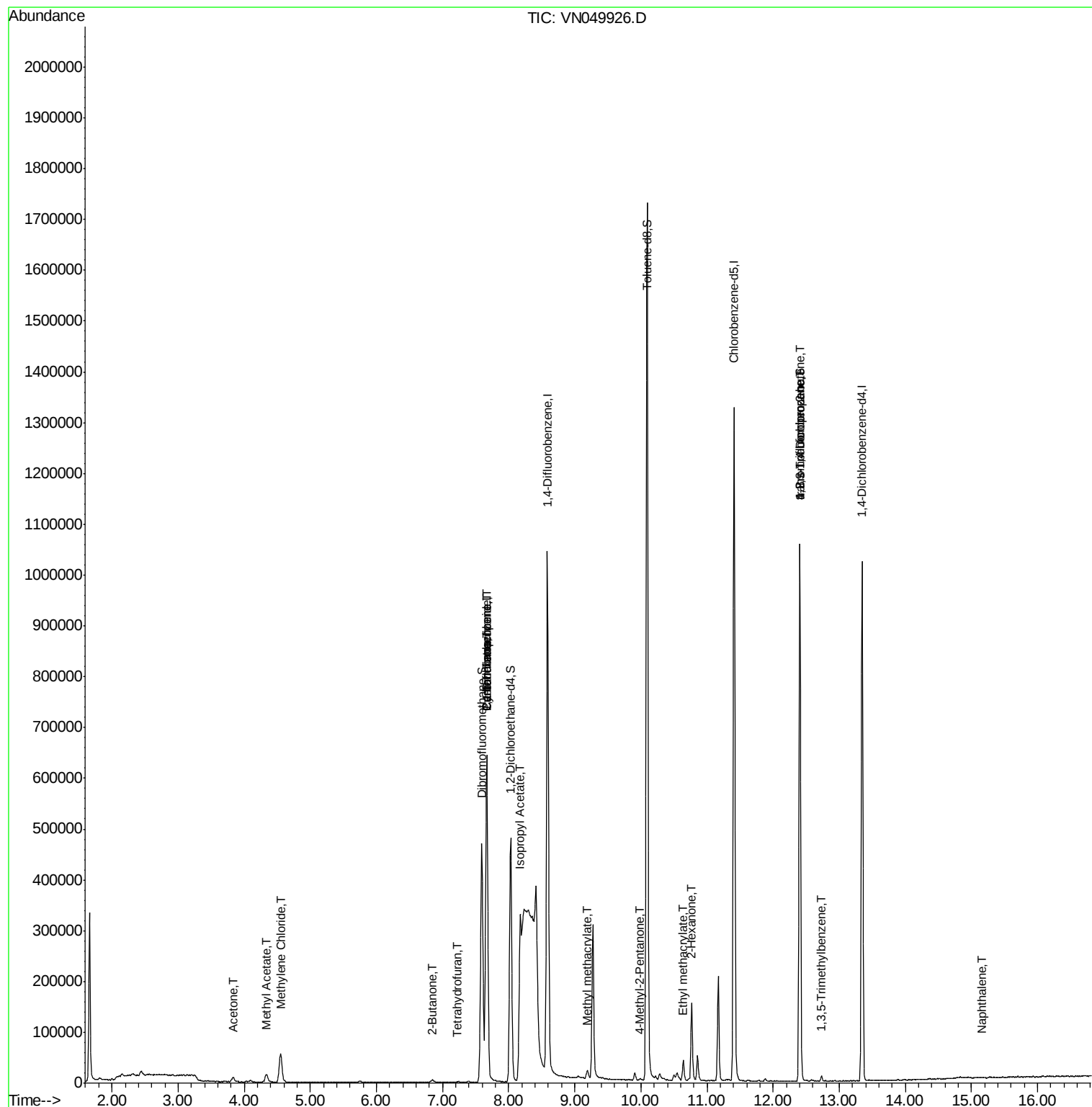
						Qvalue
5) Bromomethane	2.57	94	340	Below Cal	#	70
16) Acetone	3.83	43	16745	8.57	ug/l	98
18) Methyl Acetate	4.34	43	28628	3.90	ug/l	99
20) Methylene Chloride	4.55	84	43472	5.85	ug/l	93
25) 2-Butanone	6.85	43	1940	0.70	ug/l	99
29) Tetrahydrofuran	7.22	42	1176	0.67	ug/l #	52
31) Cyclohexane	7.67	56	10709	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39016	3.69	ug/l #	48
38) Carbon Tetrachloride	7.67	117	49570	4.37	ug/l #	17
43) Isopropyl Acetate	8.17	43	370559	29.19	ug/l #	90
48) Methyl methacrylate	9.19	41	8924	1.40	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2117	0.30	ug/l	93
56) Ethyl methacrylate	10.64	69	785	2.23	ug/l #	1
59) 2-Hexanone	10.77	43	21529	4.52	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	170495	31.22	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4225	0.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	170495	97.62	ug/l #	13
95) Naphthalene	15.15	128	272	4.51	ug/l #	69

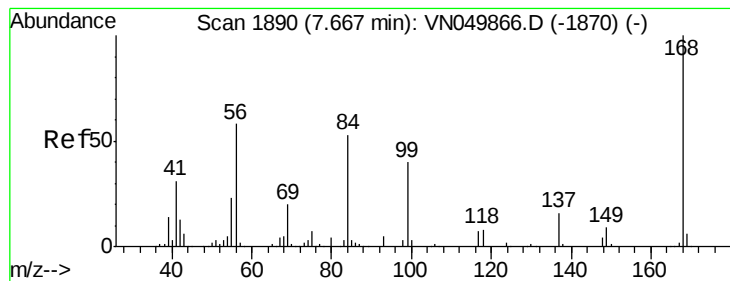
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

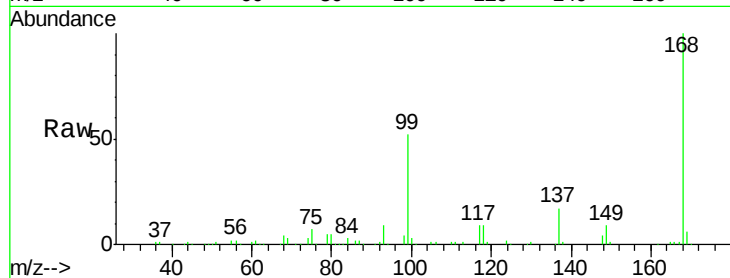
PB111251ZHE#13

Tot Ion:168 Resp: 548828

Ion Ratio Lower Upper

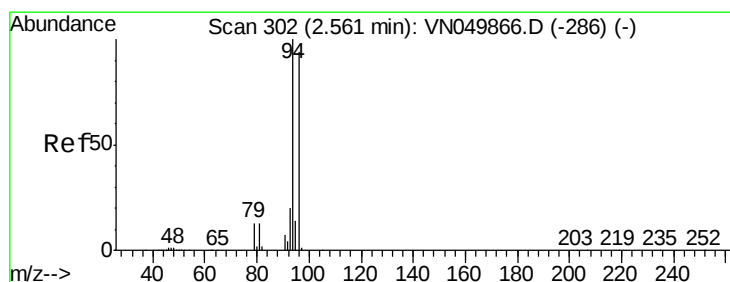
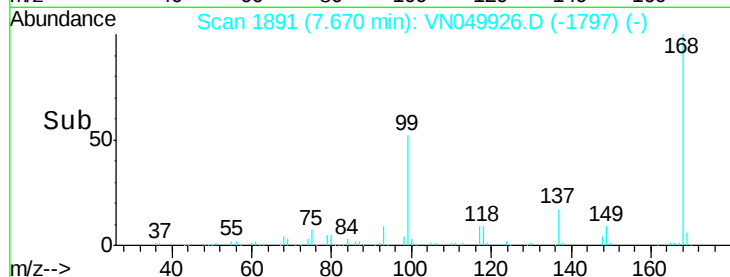
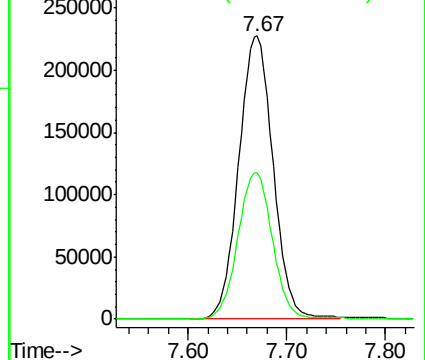
168 100

99 51.8 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# 304

Delta R.T. 0.01 min

Lab File: VN049926.D

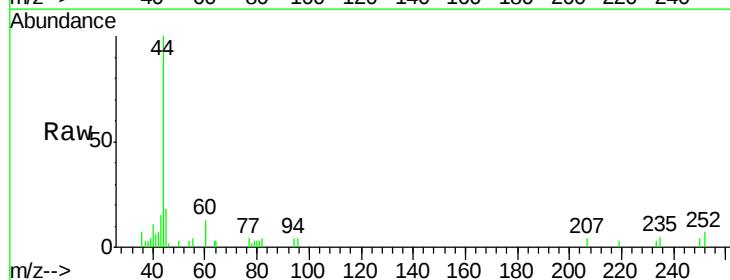
Acq: 19 Jul 2018 19:27

Tgt Ion: 94 Resp: 340

Ion Ratio Lower Upper

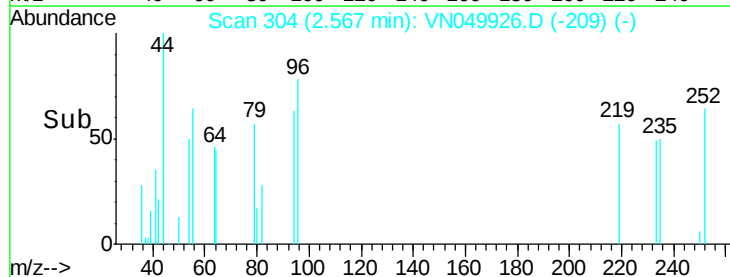
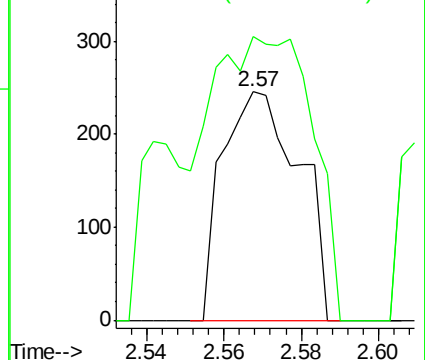
94 100

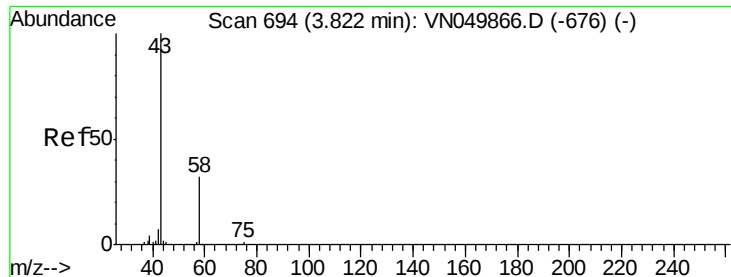
96 124.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#16

Acetone

Concen: 8.57 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

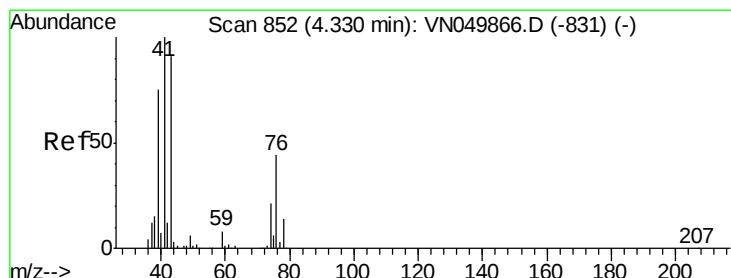
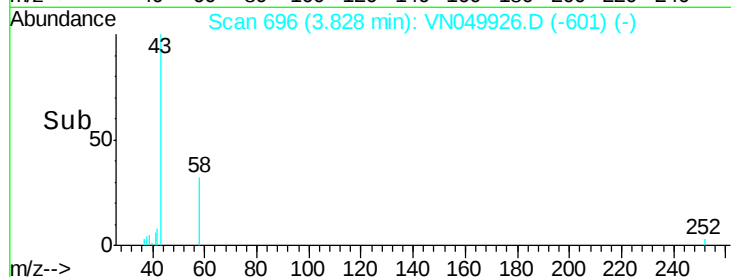
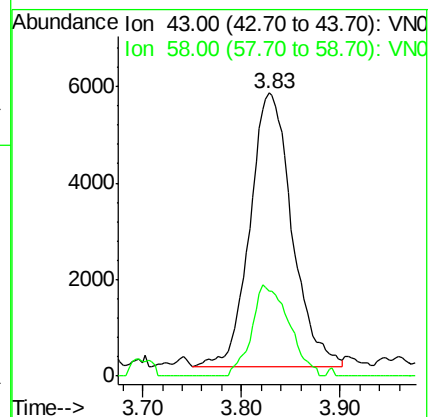
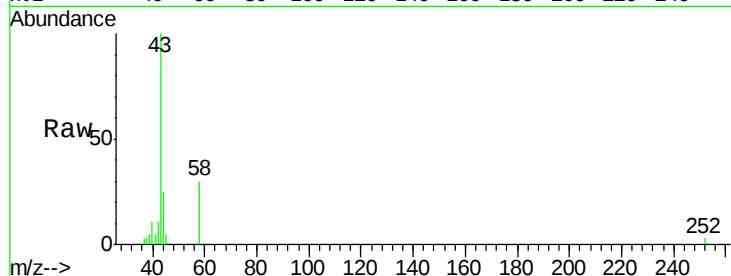
PB111251ZHE#13

Tot Ion: 43 Resp: 16745

Ion Ratio Lower Upper

43 100

58 31.2 25.9 38.9



#18

Methyl Acetate

Concen: 3.90 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049926.D

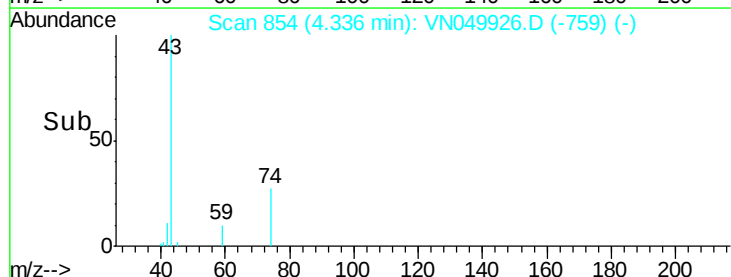
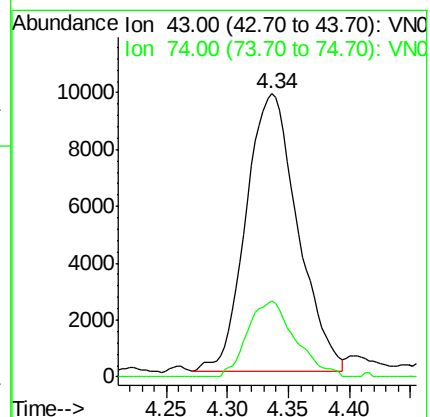
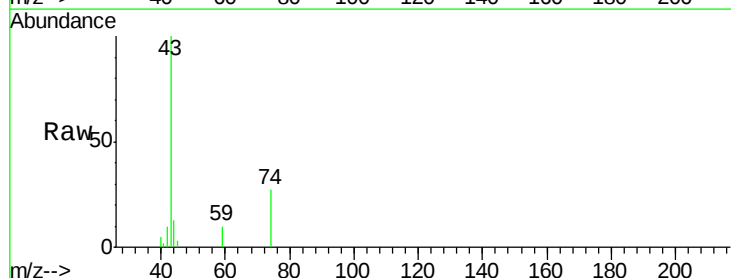
Acq: 19 Jul 2018 19:27

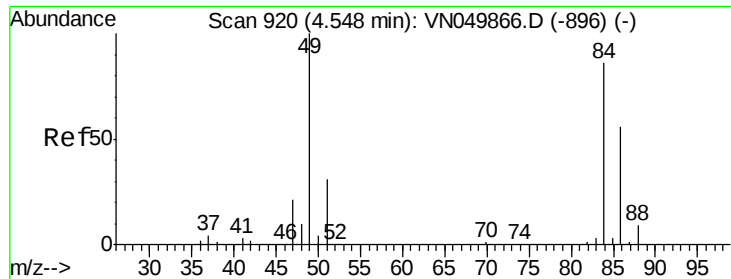
Tgt Ion: 43 Resp: 28628

Ion Ratio Lower Upper

43 100

74 25.2 19.8 29.8

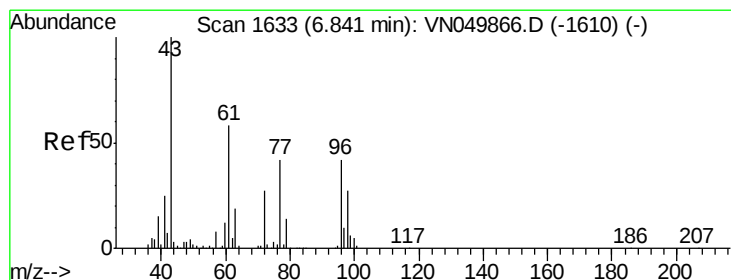
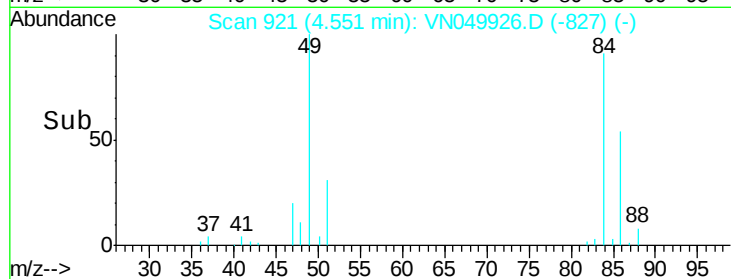
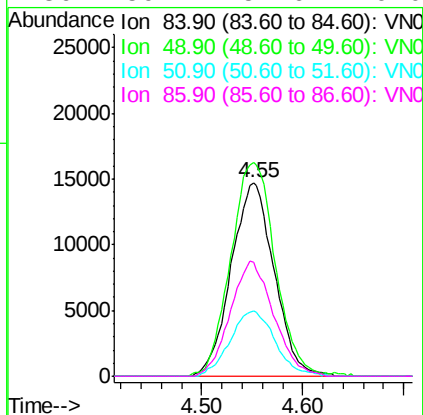
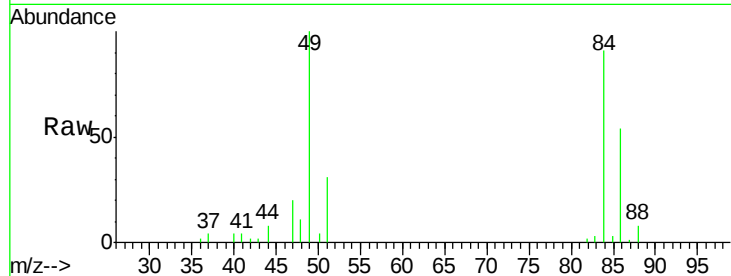




#20
Methvlene Chloride
Concen: 5.85 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

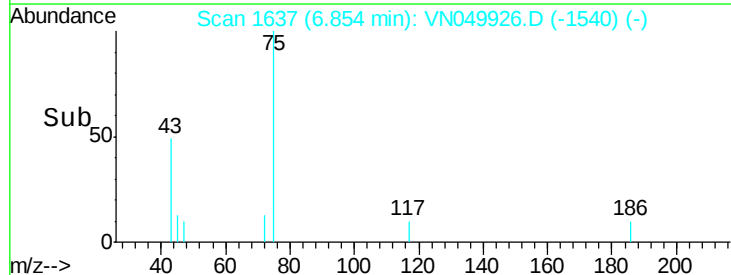
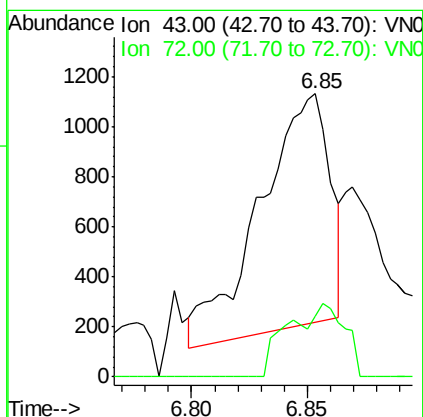
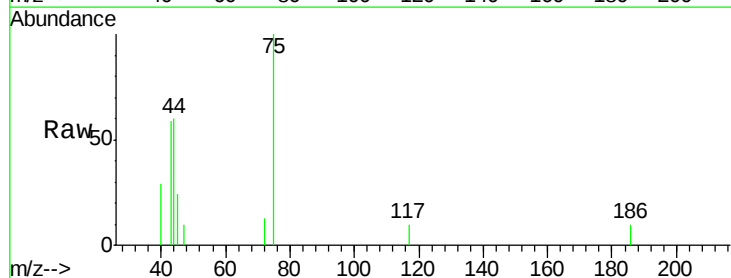
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#13

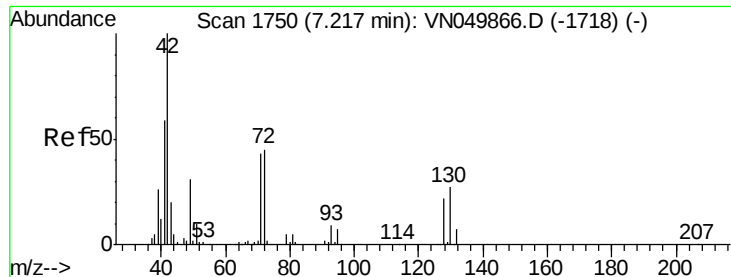
Tot Ion: 84 Resp: 43472
Ion Ratio Lower Upper
84 100
49 110.2 95.4 143.2
51 33.7 28.4 42.6
86 59.1 52.6 79.0



#25
2-Butanone
Concen: 0.70 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Tgt Ion: 43 Resp: 1940
Ion Ratio Lower Upper
43 100
72 26.9 22.1 33.1





#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#13

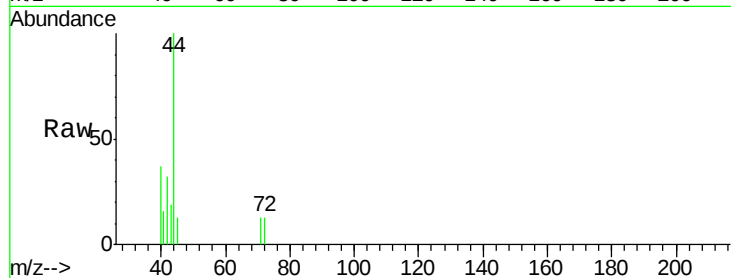
Tot Ion: 42 Resp: 1176

Ion Ratio Lower Upper

42 100

72 9.5 35.6 53.4#

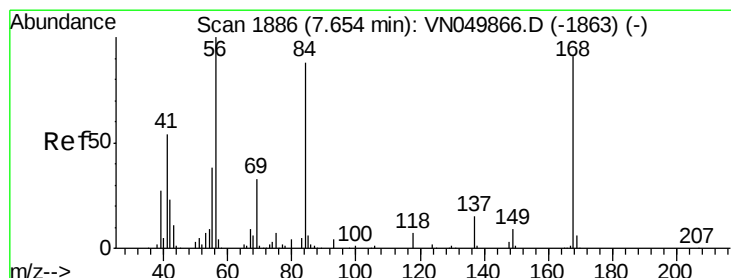
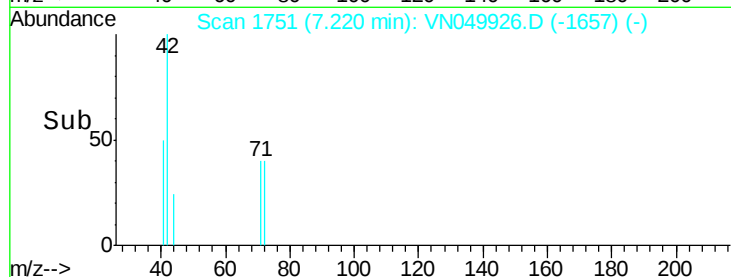
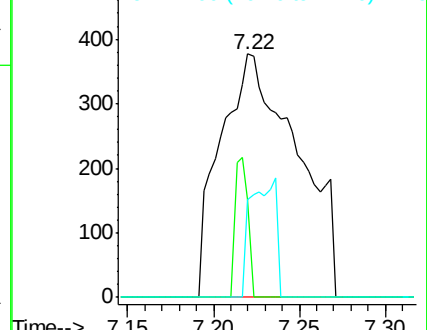
71 16.2 34.0 51.0#



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: 1.07 ug/l

RT: 7.67 min Scan# 1892

Delta R.T. 0.02 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

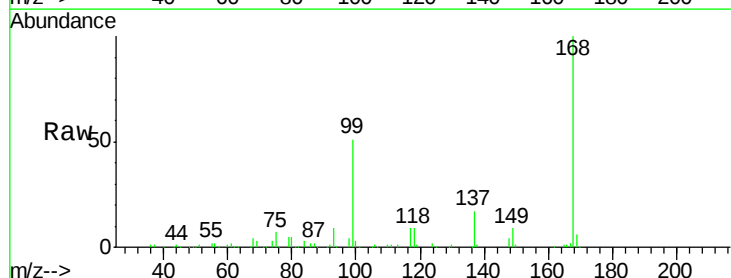
Tgt Ion: 56 Resp: 10709

Ion Ratio Lower Upper

56 100

69 172.8 26.6 40.0#

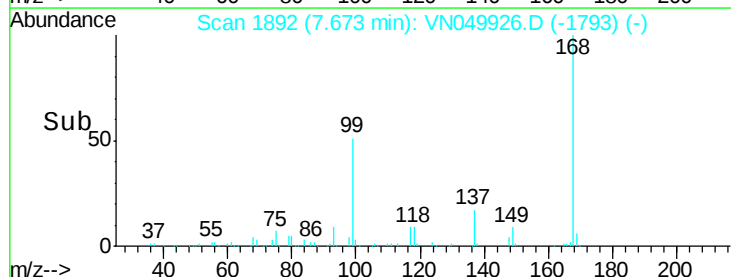
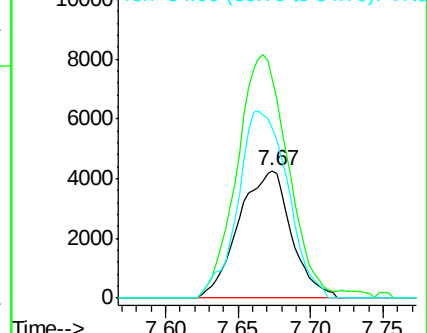
84 133.9 69.0 103.6#

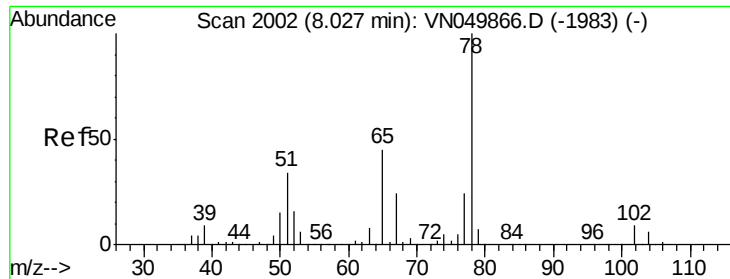


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

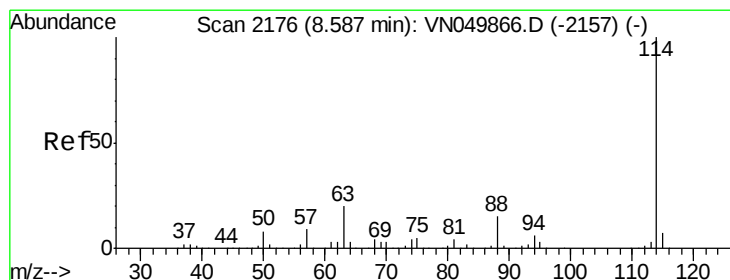
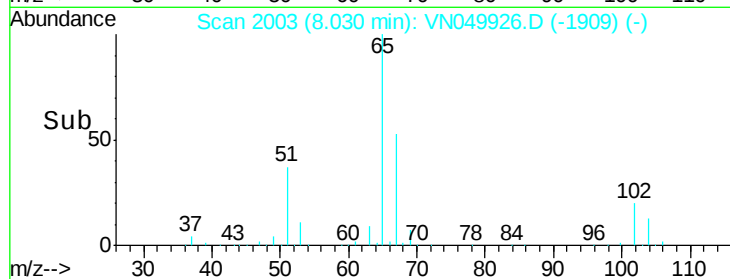
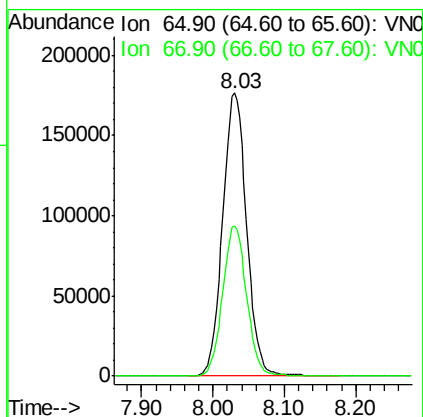
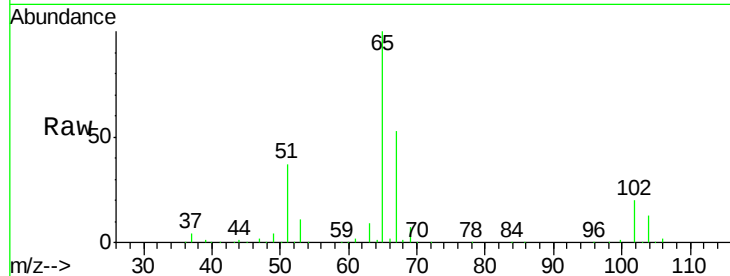




#33
 1,2-Dichloroethane-d4
 Concen: 54.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049926.D
 Acq: 19 Jul 2018 19:27

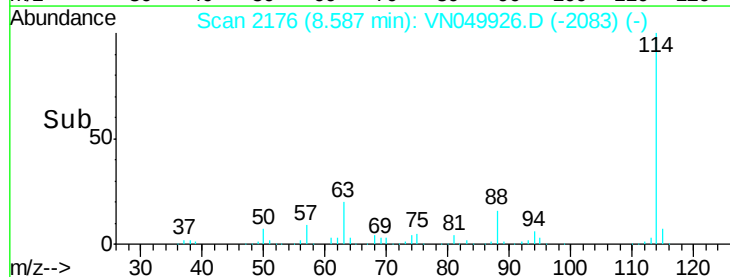
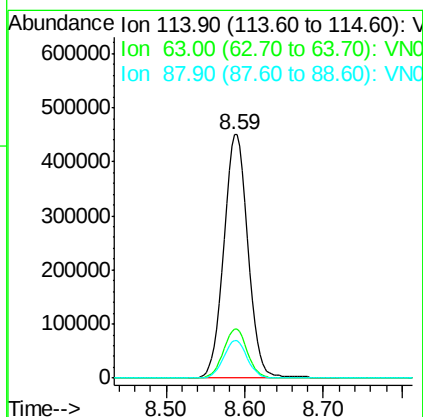
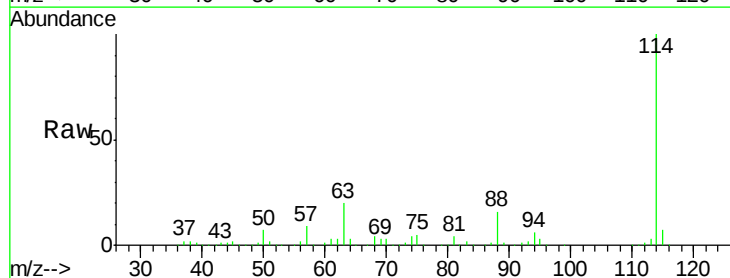
Instrument :
 MSVOA_N
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 PB111251ZHE#13

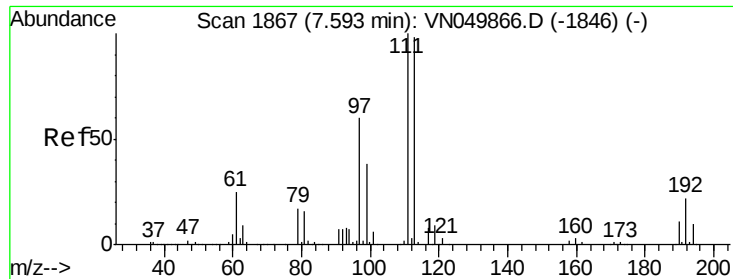
Tot Ion: 65 Resp: 412190
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049926.D
 Acq: 19 Jul 2018 19:27

Tgt Ion: 114 Resp: 951767
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.7 0.0 30.6

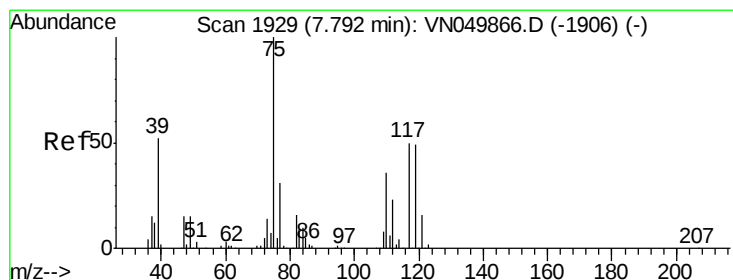
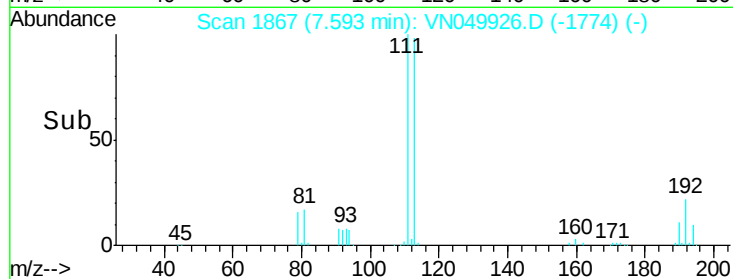
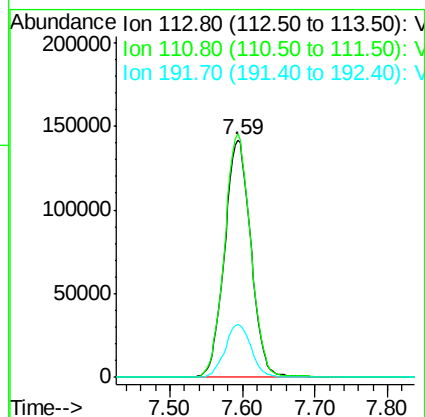
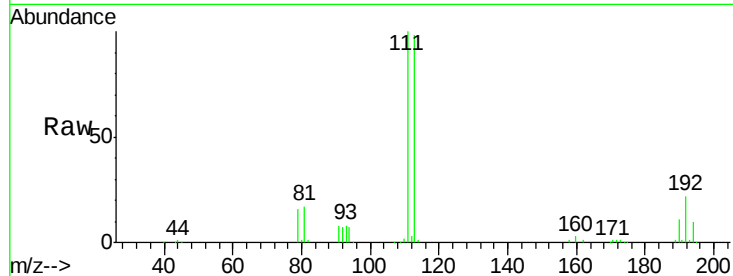




#35
Dibromofluoromethane
Concen: 44.79 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

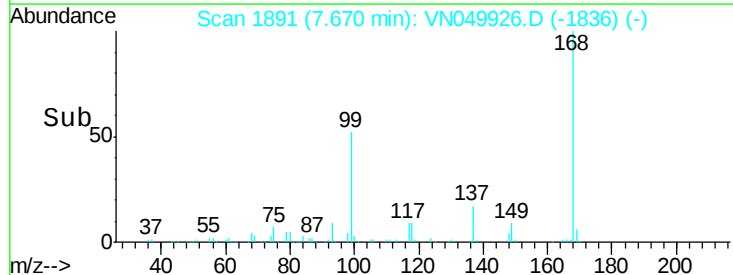
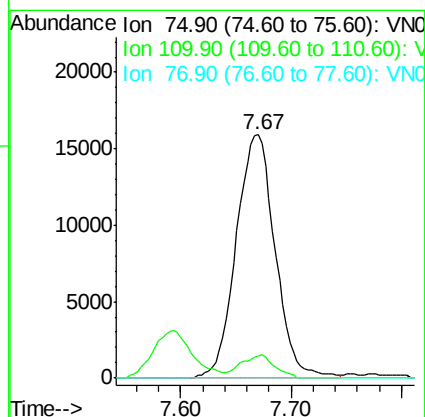
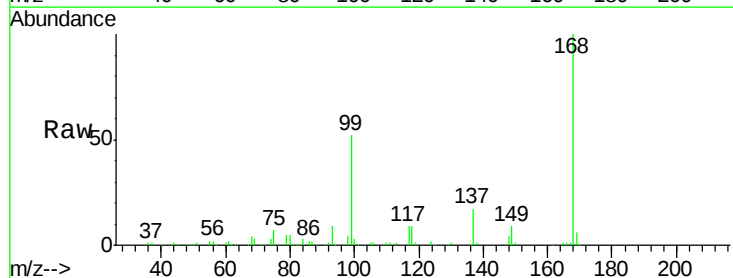
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#13

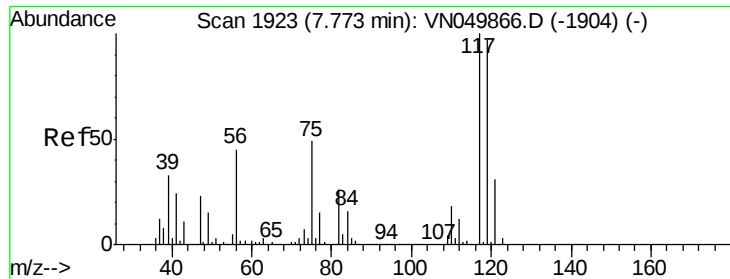
Tot Ion:113 Resp: 357891
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 22.0 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.69 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.12 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Tgt Ion: 75 Resp: 39016
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.37 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#13

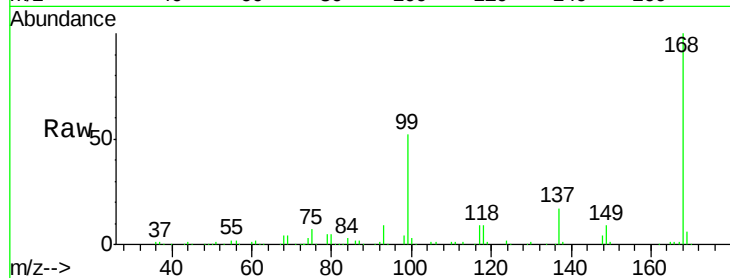
Tot Ion:117 Resp: 49570

Ion Ratio Lower Upper

117 100

119 6.4 77.2 115.8#

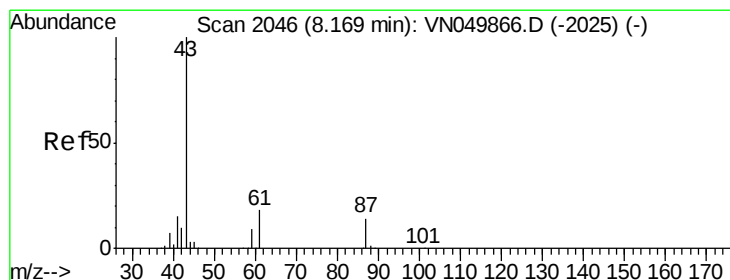
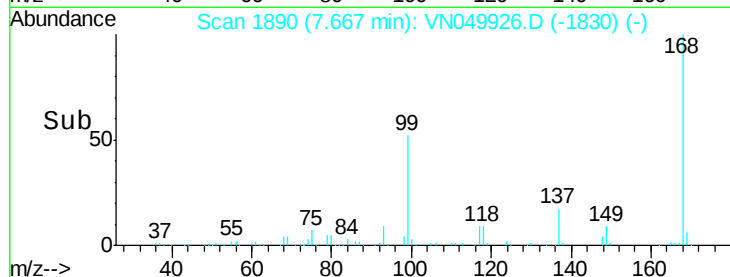
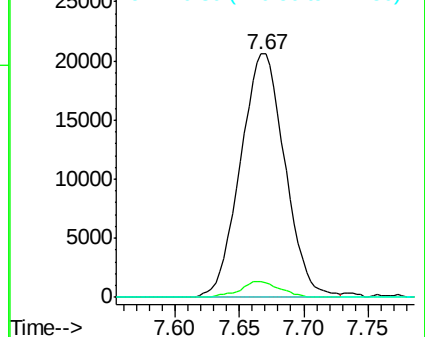
121 0.0 25.0 37.6#



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: 29.19 ug/l

RT: 8.17 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

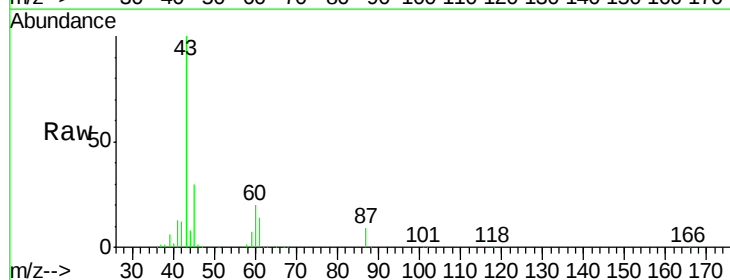
Tgt Ion: 43 Resp: 370559

Ion Ratio Lower Upper

43 100

61 14.4 14.9 22.3#

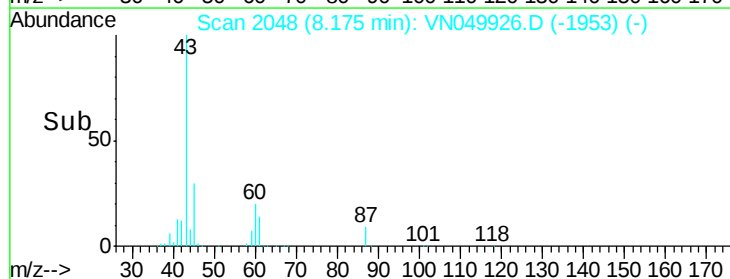
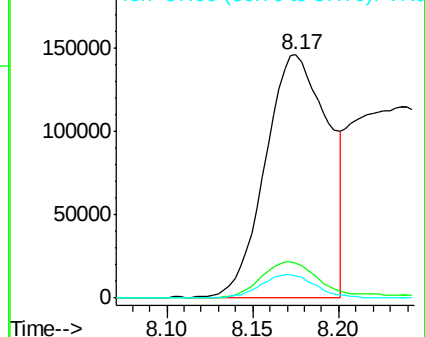
87 8.5 10.0 15.0#

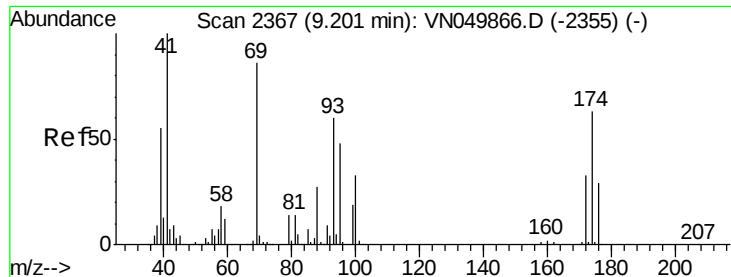


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

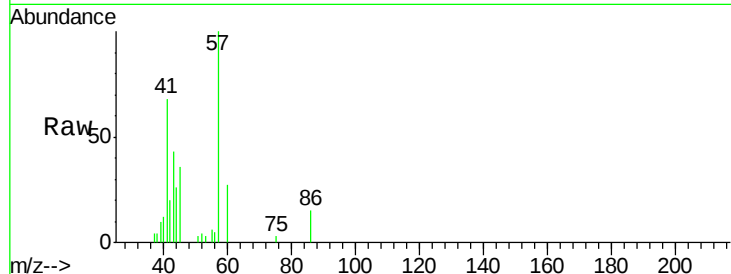




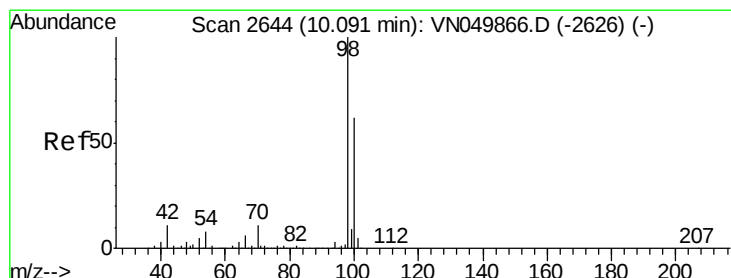
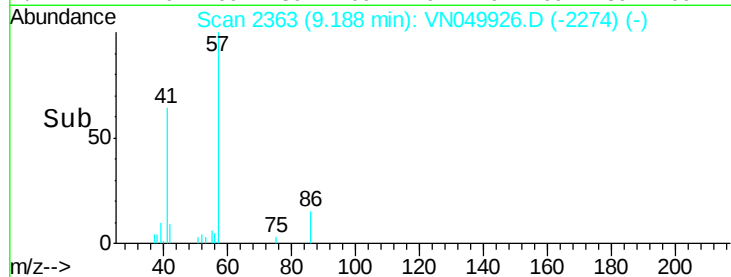
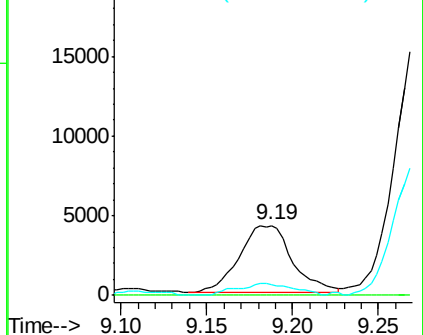
#48
Methvl methacrylate
Concen: 1.40 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#13

Tot Ion: 41 Resp: 8924
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.8 44.7 67.1#

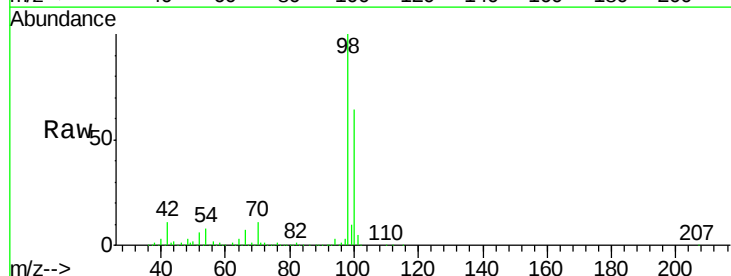


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

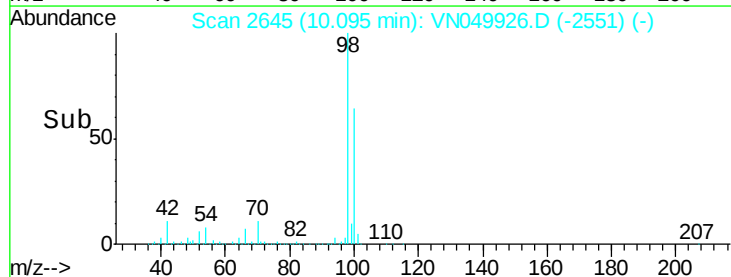
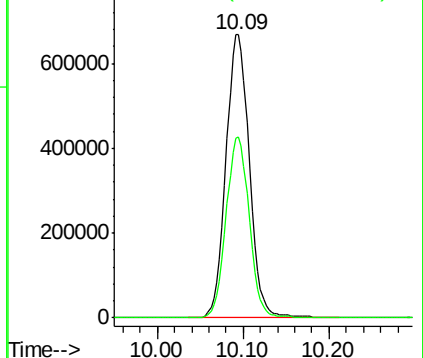


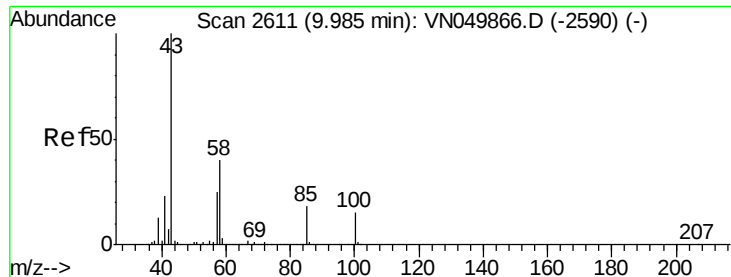
#50
Toluene-d8
Concen: 43.45 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Tgt Ion: 98 Resp: 1264977
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

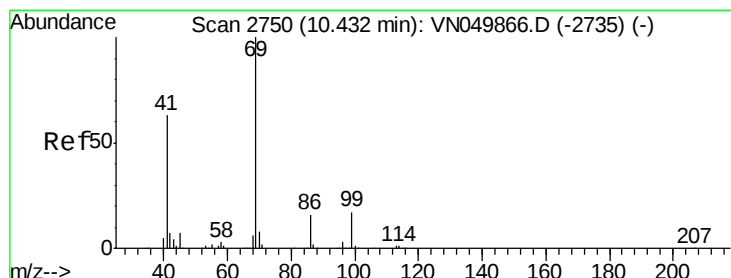
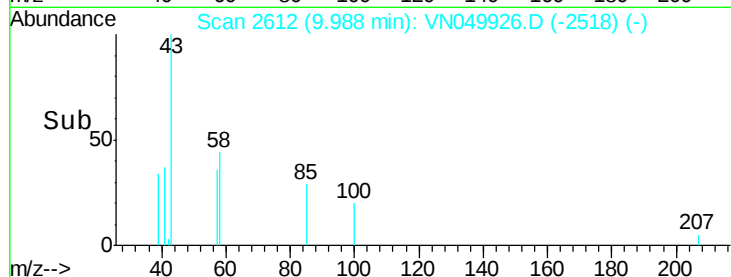
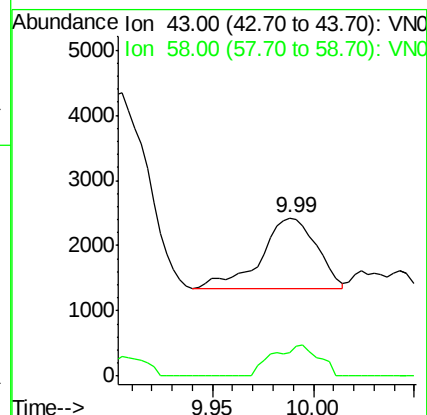
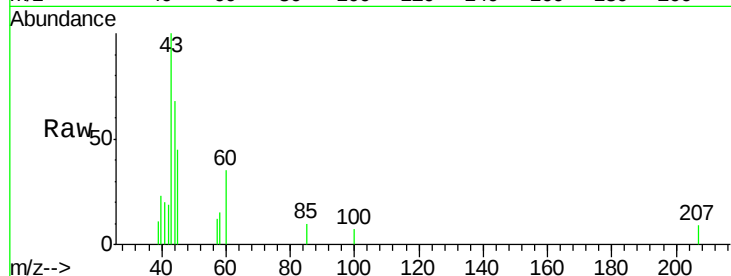
PB111251ZHE#13

Tot Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 35.2 31.8 47.8



#56

Ethyl methacrylate

Concen: 2.23 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.21 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

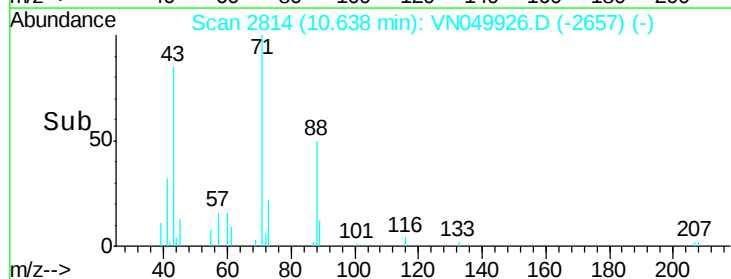
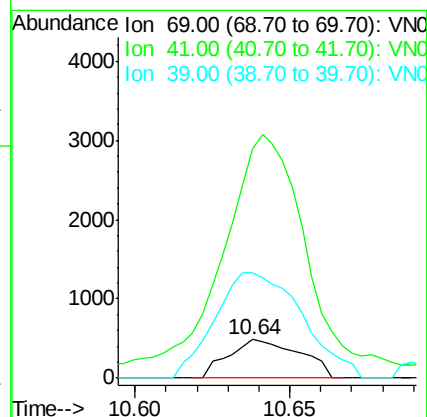
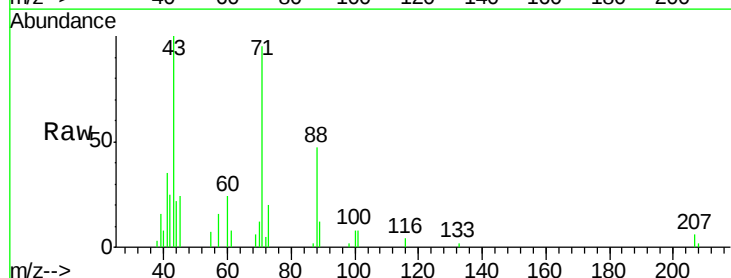
Tgt Ion: 69 Resp: 785

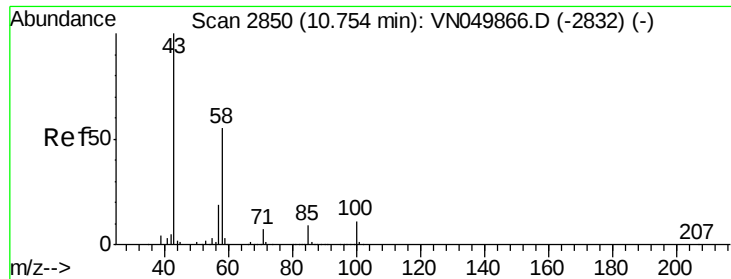
Ion Ratio Lower Upper

69 100

41 676.2 51.6 77.4#

39 333.2 25.8 38.8#





#59

2-Hexanone

Concen: 4.52 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

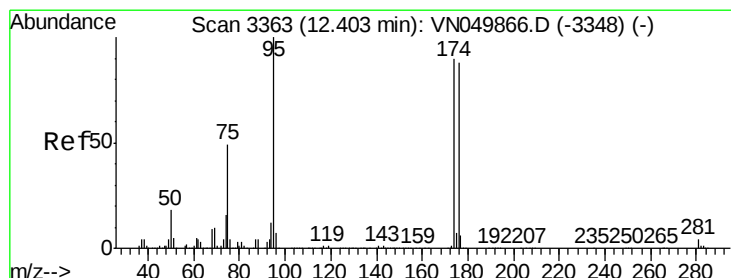
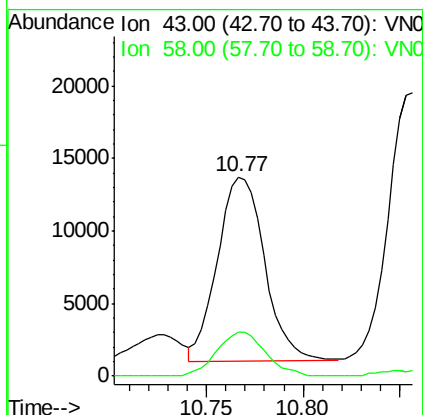
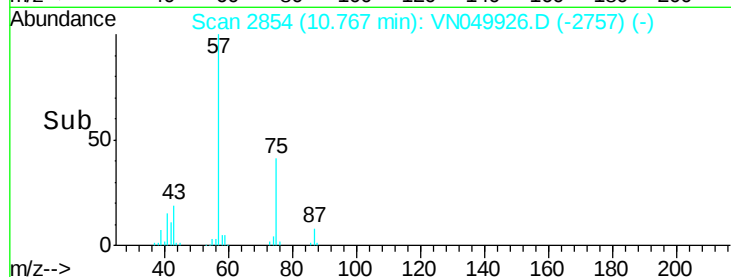
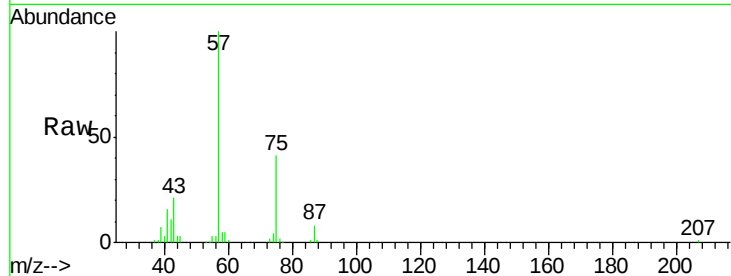
PB111251ZHE#13

Tot Ion: 43 Resp: 21529

Ion Ratio Lower Upper

43 100

58 24.7 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

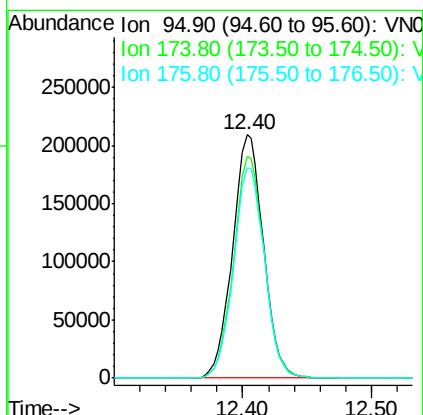
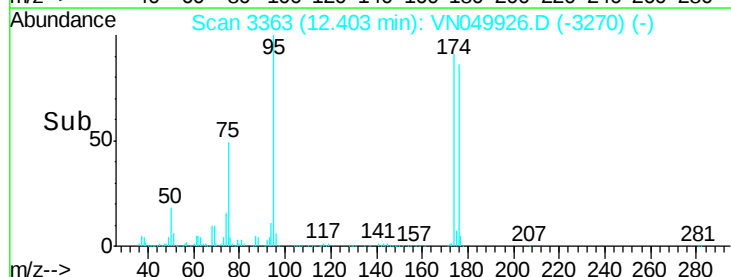
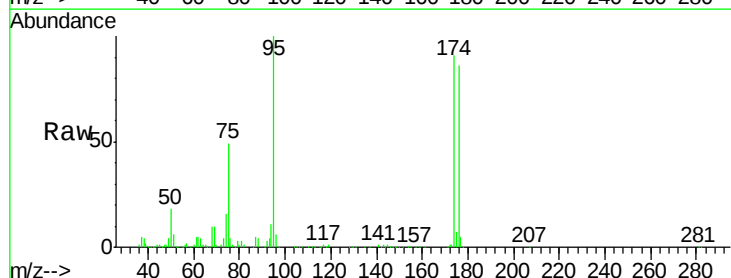
Tgt Ion: 95 Resp: 346933

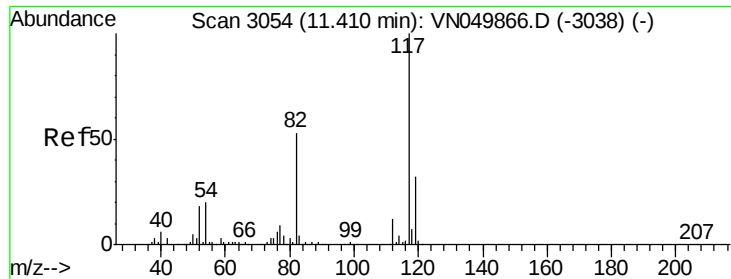
Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.6

176 86.7 0.0 174.0

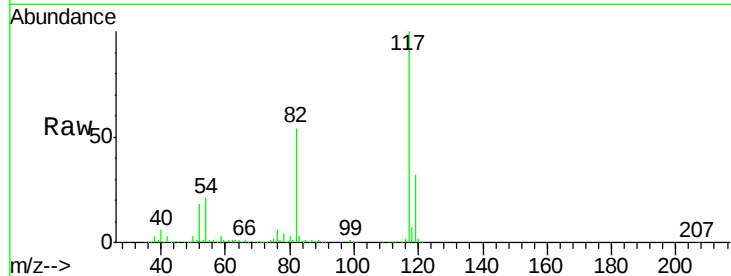




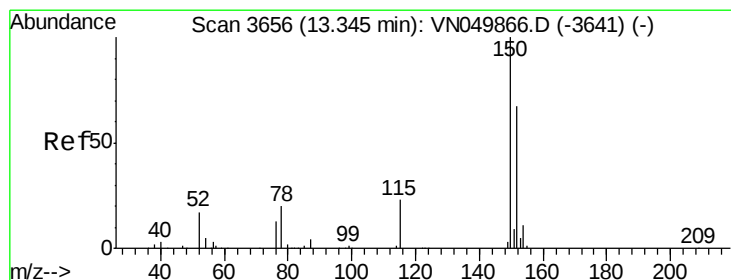
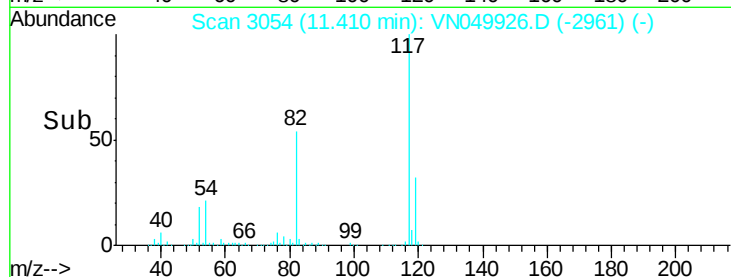
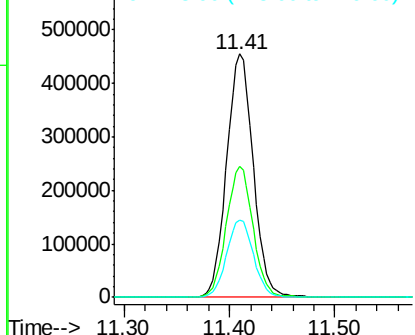
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#13

Tot Ion:117 Resp: 793773
Ion Ratio Lower Upper
117 100
82 53.7 41.9 62.9
119 32.0 25.4 38.2

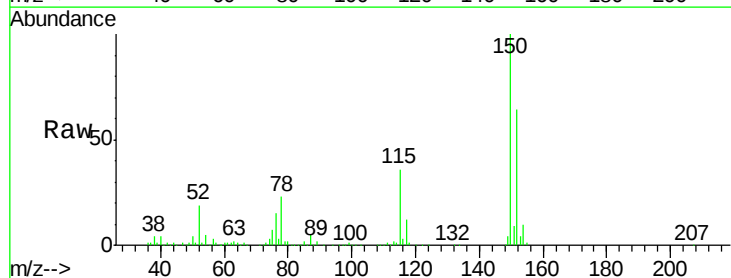


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

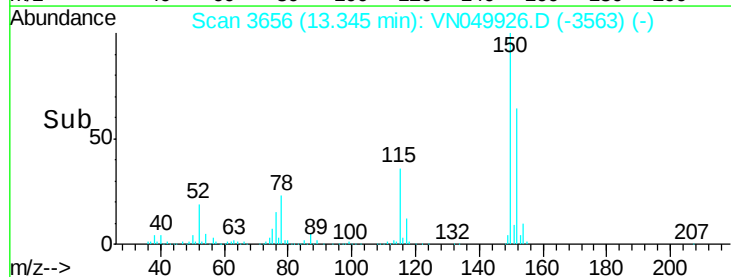
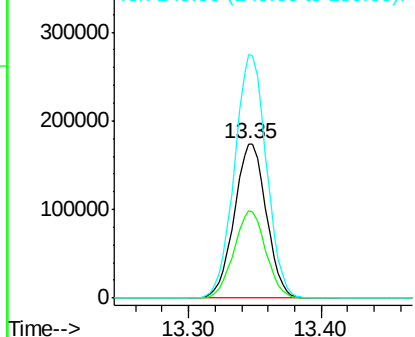


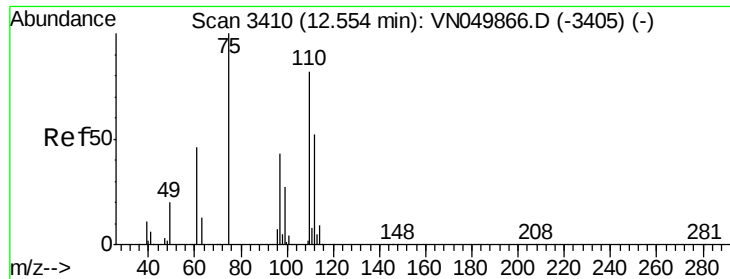
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049926.D
Acq: 19 Jul 2018 19:27

Tgt Ion:152 Resp: 291129
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 157.4 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: 31.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

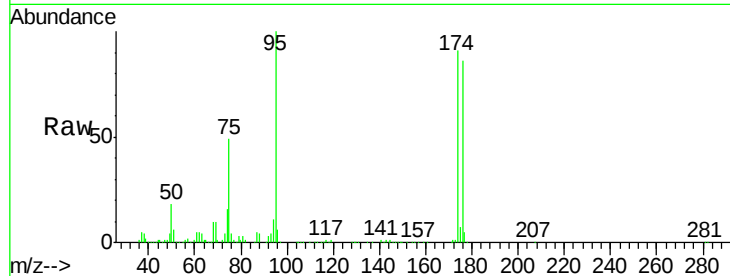
PB111251ZHE#13

Tot Ion: 75 Resp: 170495

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049926.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN049926.D (-3363) (-)

120000

100000

80000

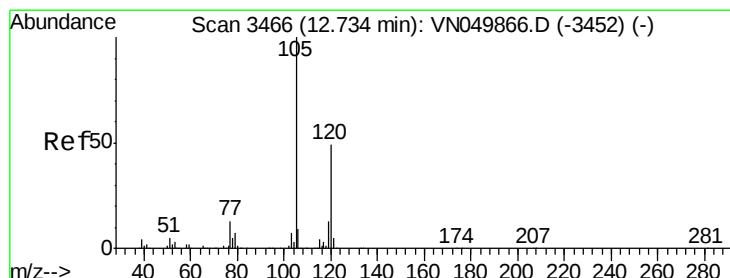
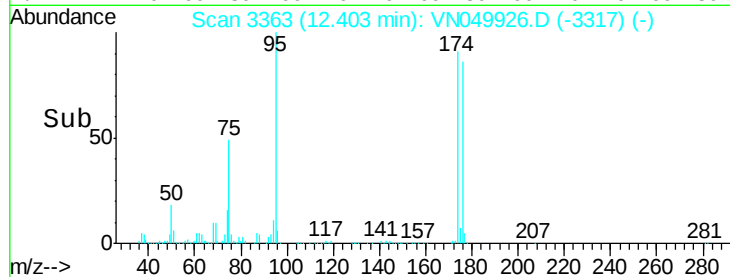
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049926.D

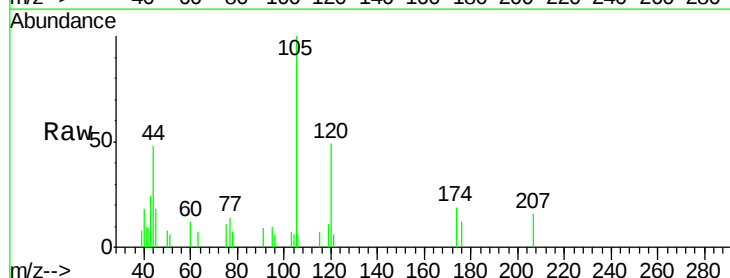
Acq: 19 Jul 2018 19:27

Tgt Ion: 105 Resp: 4225

Ion Ratio Lower Upper

105 100

120 46.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049926.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN049926.D (-3466) (-)

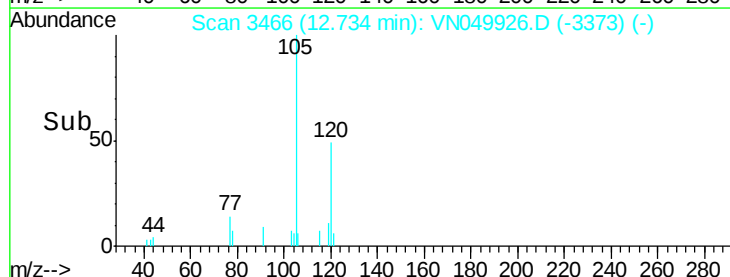
3000

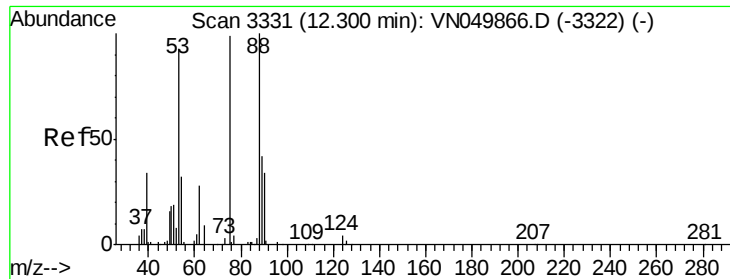
2000

1000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 97.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#13

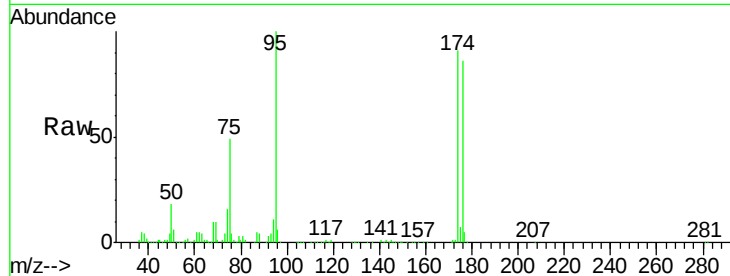
Tot Ion: 75 Resp: 170495

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

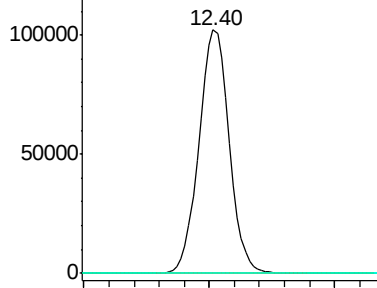
89 0.0 35.9 53.9#



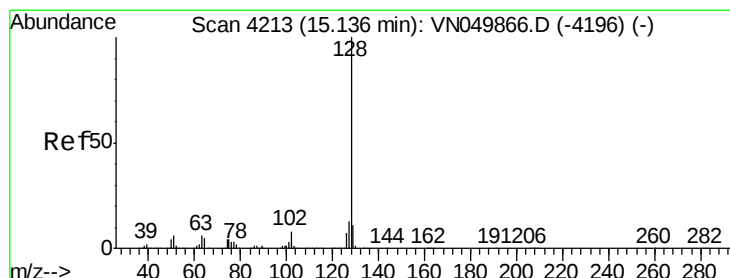
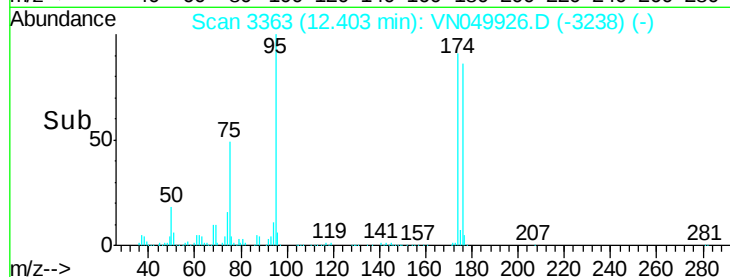
Abundance Ion 74.90 (74.60 to 75.60): VN049926.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049926.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049926.D (-3363) (-)



Time--> 12.30 12.40 12.50



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.15 min Scan# 4216

Delta R.T. 0.01 min

Lab File: VN049926.D

Acq: 19 Jul 2018 19:27

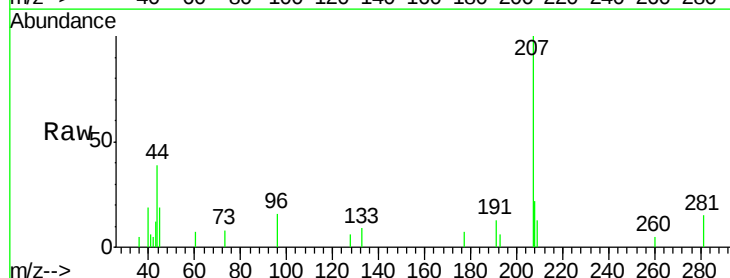
Tgt Ion: 128 Resp: 272

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

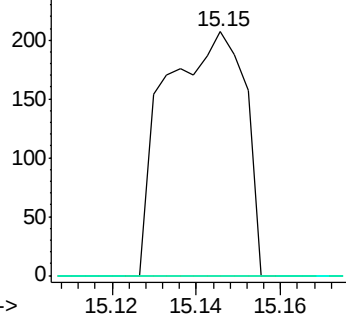
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN049926.D (-4216) (-)

Ion 127.00 (126.70 to 127.70): VN049926.D (-4216) (-)

Ion 129.00 (128.70 to 129.70): VN049926.D (-4216) (-)



Time--> 15.12 15.14 15.16

