

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050868.D
 Acq On : 24 Aug 2018 11:36
 Operator : MD\SY
 Sample : VN0824MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

Quant Time: Aug 24 22:50:54 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	624894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283245	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	397847	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	382516	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	10.09	98	1380144	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.40	95	374971	38.89	ug/l	0.00
Spiked Amount			Recovery	=	77.78%	

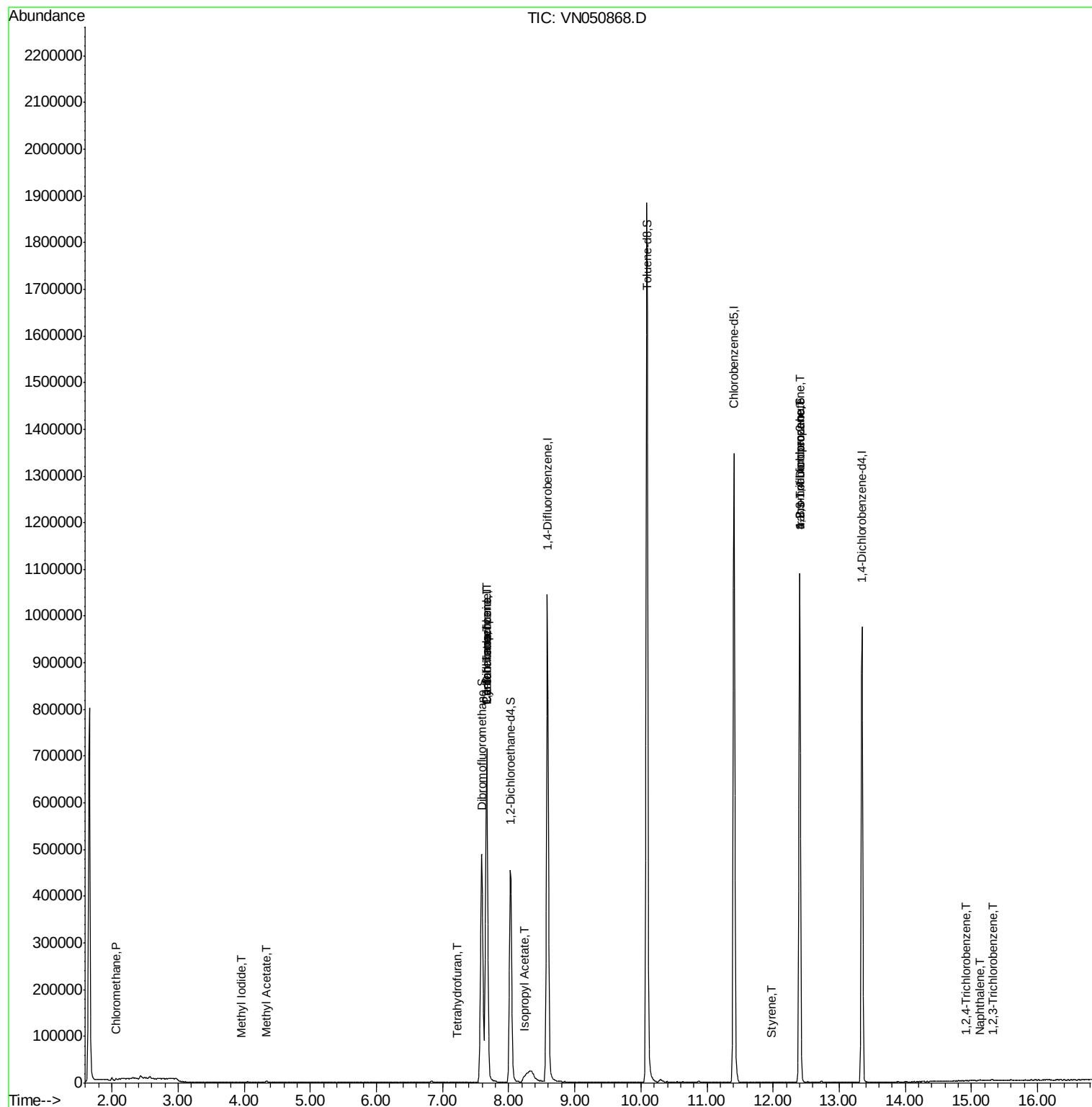
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2561	0.25	ug/l	# 83
5) Bromomethane	2.57	94	2504	Below	Cal	# 93
10) Methyl Iodide	3.96	142	323	6.38	ug/l	# 55
16) Acetone	3.83	43	1591	Below	Cal	# 99
18) Methyl Acetate	4.35	43	4836	0.68	ug/l	# 81
29) Tetrahydrofuran	7.22	42	356	0.20	ug/l	# 33
31) Cyclohexane	7.66	56	10618	1.29	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	42513	3.69	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	55265	4.75	ug/l	# 16
43) Isopropyl Acetate	8.23	43	7557	0.66	ug/l	# 58
70) Styrene	11.98	104	189	1.28	ug/l	# 26
75) 1,1,2,2-Tetrachloroethane	12.42	83	30	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	174230	35.12	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	174230	118.72	ug/l	# 15
93) 1,2,4-Trichlorobenzene	14.92	180	649	4.19	ug/l	# 71
94) Hexachlorobutadiene	15.01	225	245	Below	Cal	# 47
95) Naphthalene	15.14	128	1785	5.54	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.32	180	719	3.43	ug/l	# 64

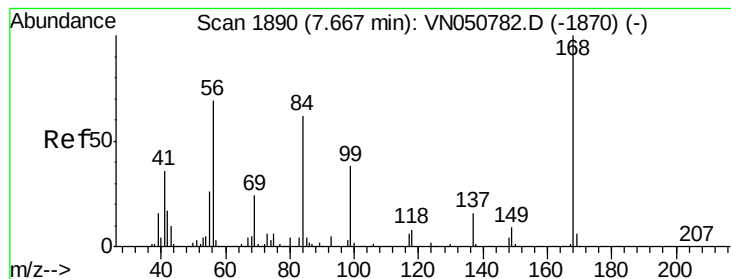
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082418\
Data File : VN050868.D
Acq On : 24 Aug 2018 11:36
Operator : MD\SY
Sample : VN0824MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

Quant Time: Aug 24 22:50:54 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 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: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

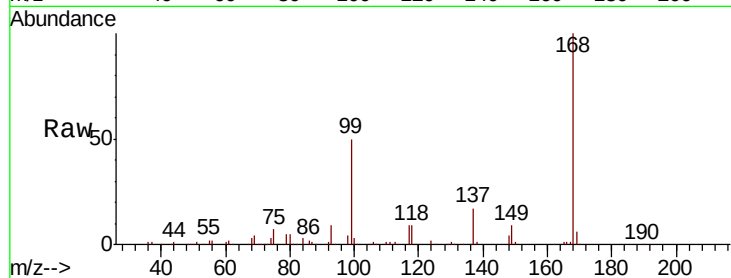
VN0824MBL01

Tot Ion:168 Resp: 624894

Ion Ratio Lower Upper

168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050782.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050782.D (-1870) (-)

7.67

250000

200000

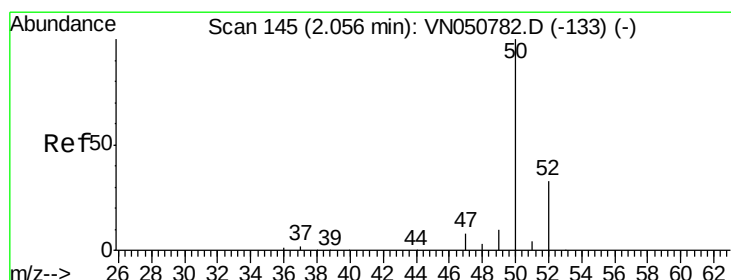
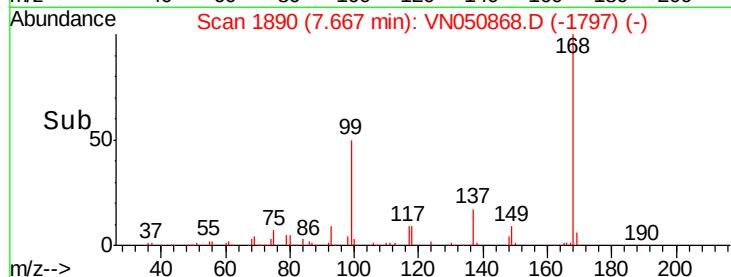
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050868.D

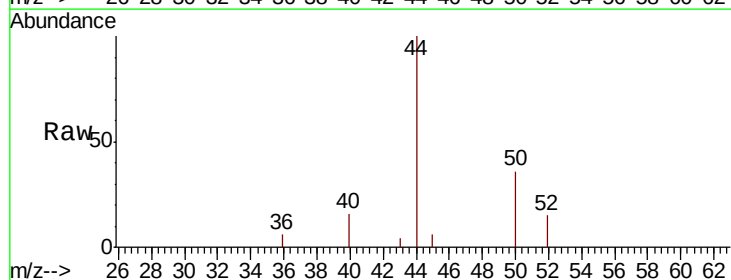
Acq: 24 Aug 2018 11:36

Tgt Ion: 50 Resp: 2561

Ion Ratio Lower Upper

50 100

52 42.7 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN050782.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050782.D (-133) (-)

2000

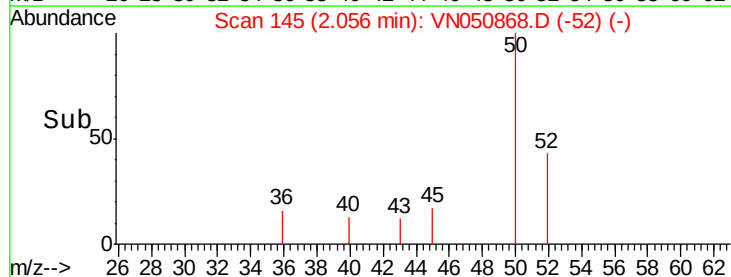
1500

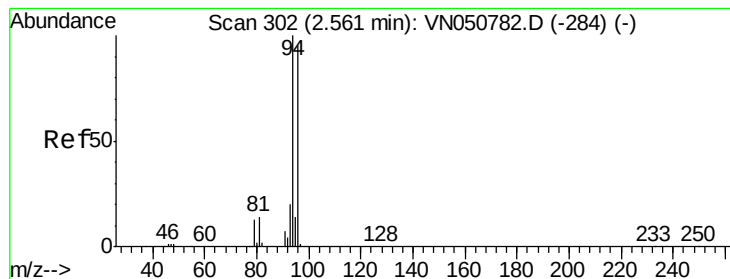
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

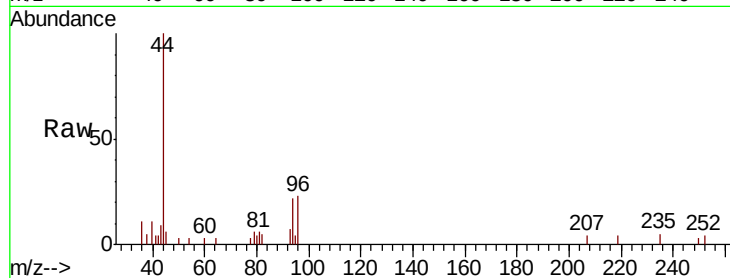
VN0824MBL01

Tot Ion: 94 Resp: 2504

Ion Ratio Lower Upper

94 100

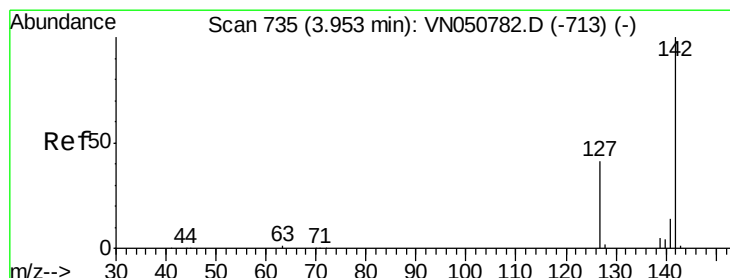
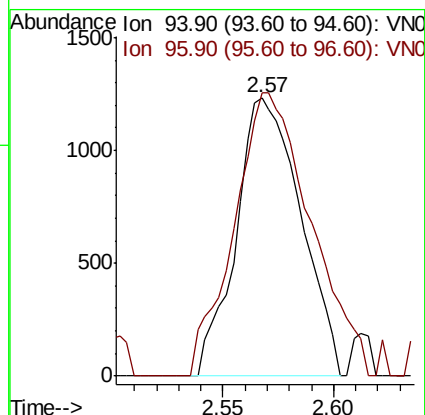
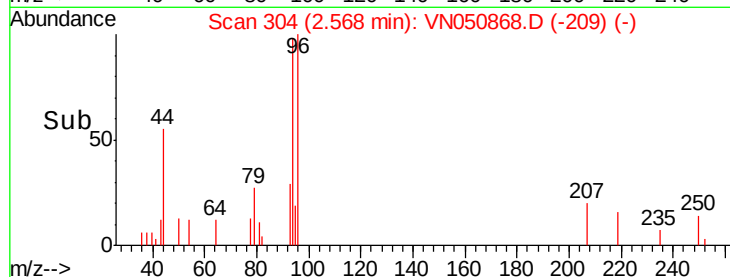
96 101.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050868.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050868.D (-284) (-)

Time-->



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.01 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

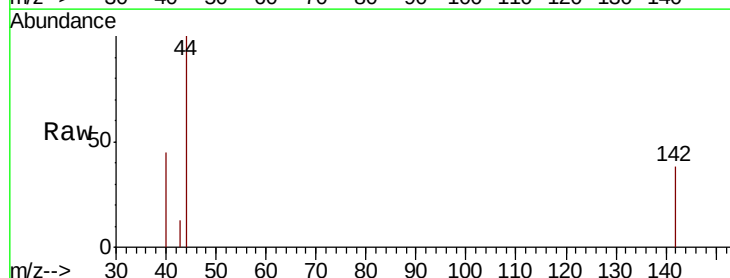
Tgt Ion: 142 Resp: 323

Ion Ratio Lower Upper

142 100

127 9.3 31.7 47.5#

141 0.0 11.4 17.0#

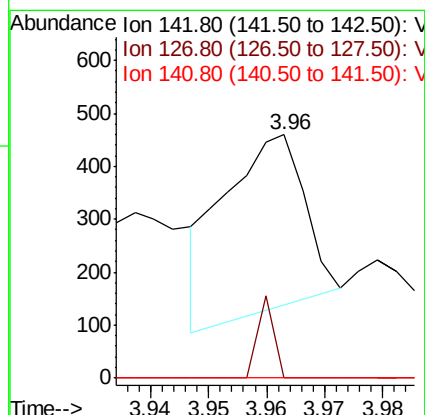
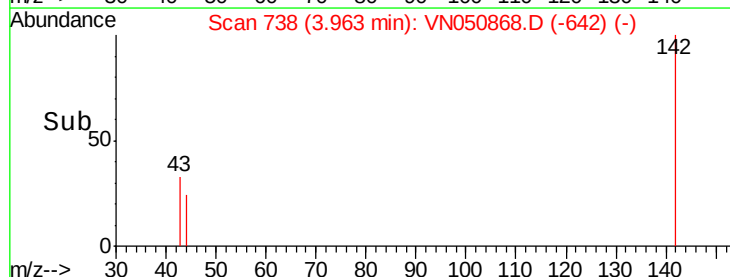


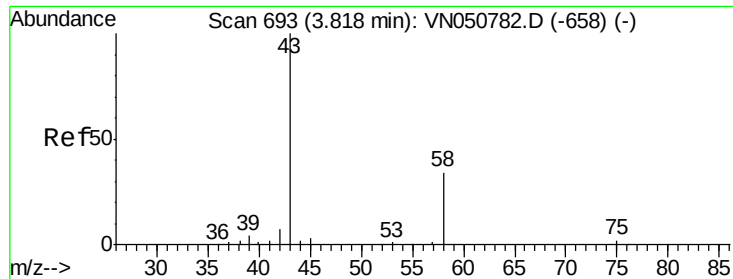
Abundance Ion 141.80 (141.50 to 142.50): VN050868.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050868.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050868.D (-713) (-)

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

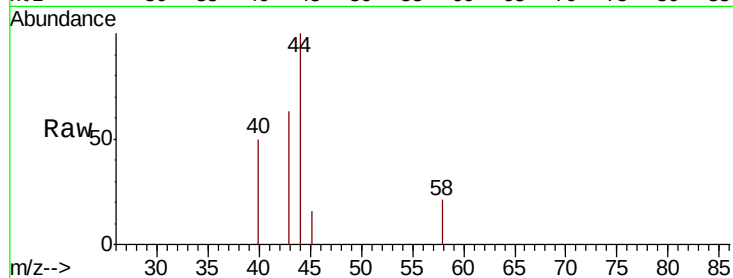
VN0824MBL01

Tot Ion: 43 Resp: 1591

Ion Ratio Lower Upper

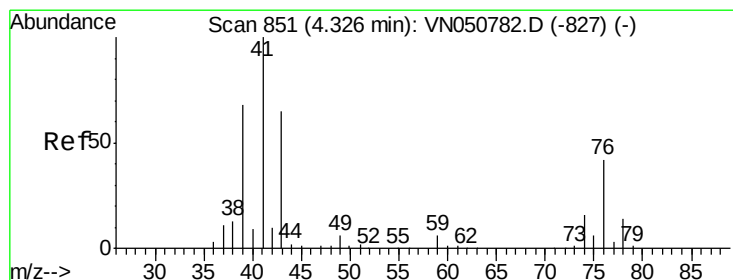
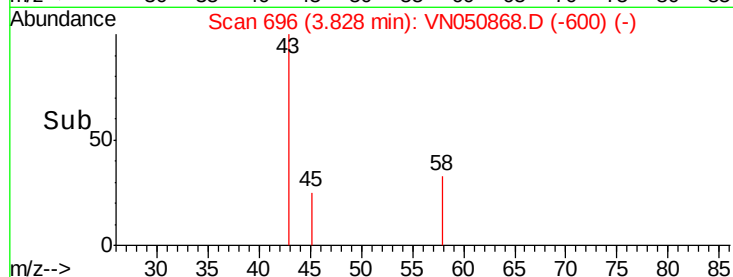
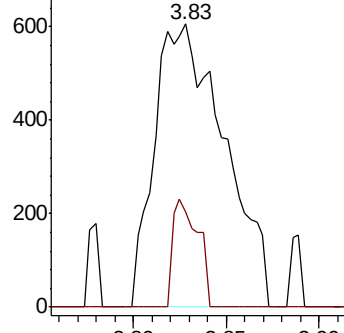
43 100

58 33.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.68 ug/l

RT: 4.35 min Scan# 857

Delta R.T. 0.02 min

Lab File: VN050868.D

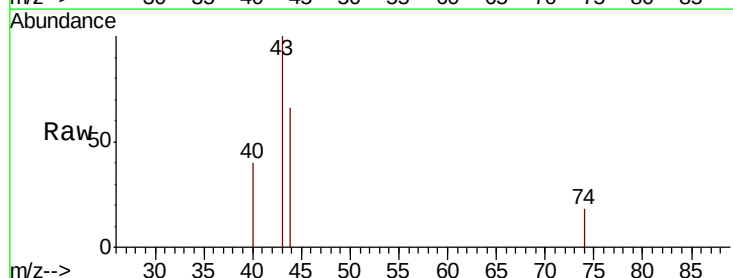
Acq: 24 Aug 2018 11:36

Tgt Ion: 43 Resp: 4836

Ion Ratio Lower Upper

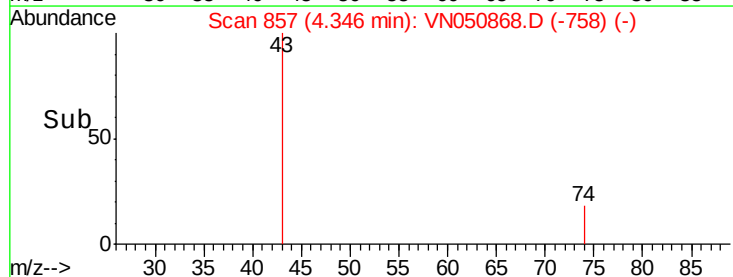
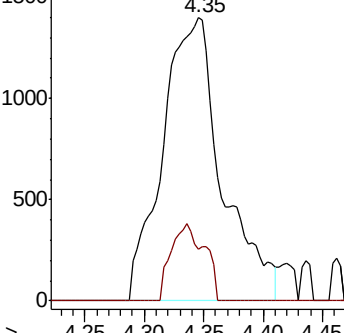
43 100

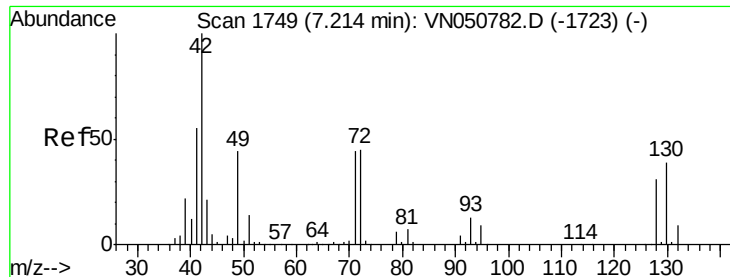
74 15.2 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

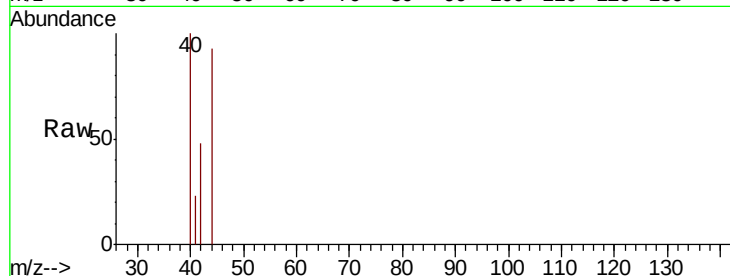
Tot Ion: 42 Resp: 356

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

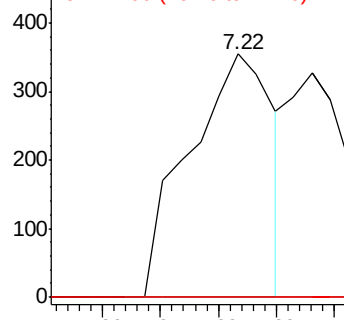
71 0.0 33.7 50.5#



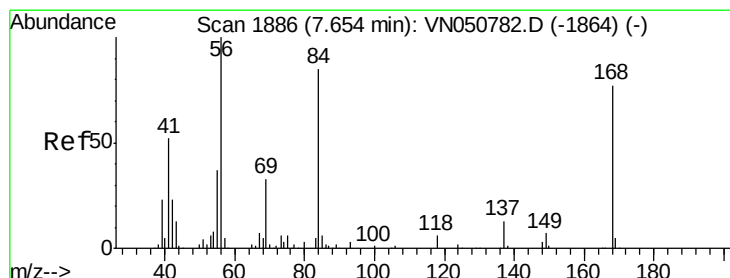
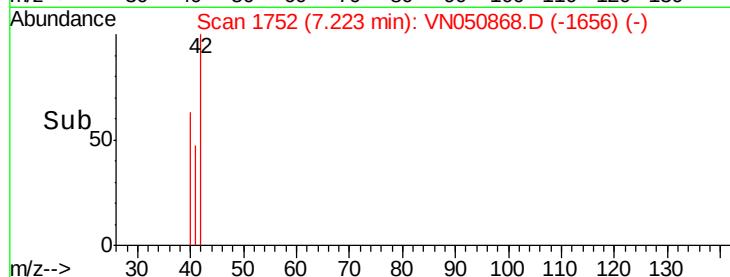
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.29 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

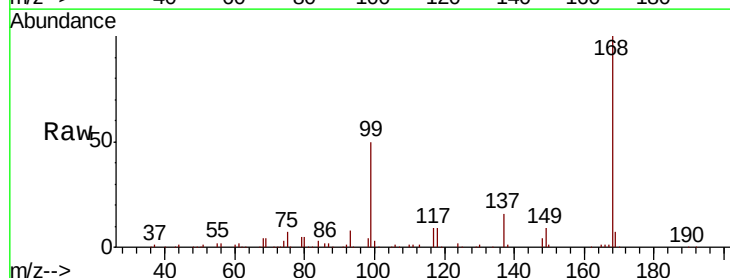
Tgt Ion: 56 Resp: 10618

Ion Ratio Lower Upper

56 100

69 198.4 26.2 39.4#

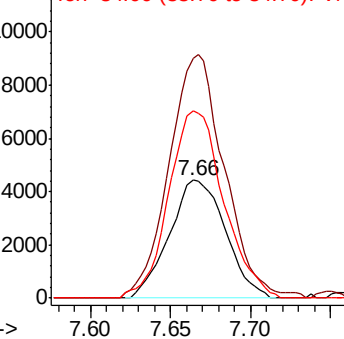
84 154.9 68.3 102.5#



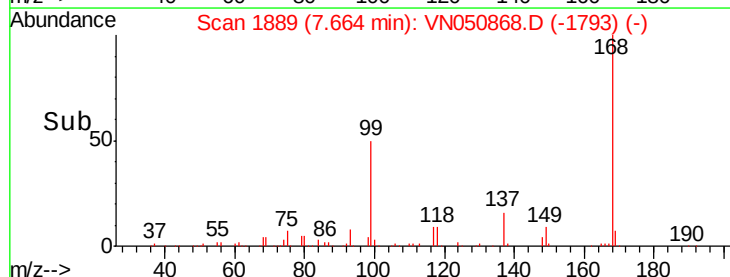
Abundance Ion 56.00 (55.70 to 56.70): VN0

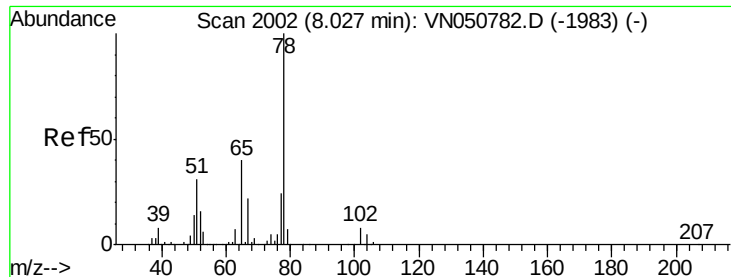
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

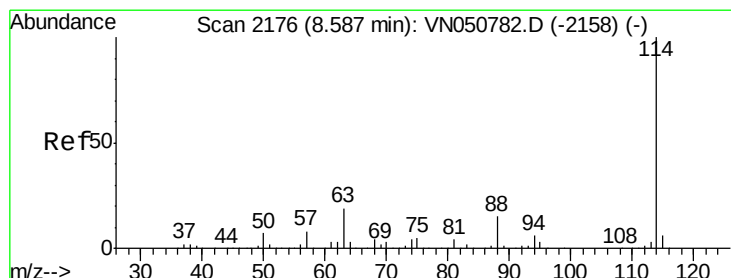
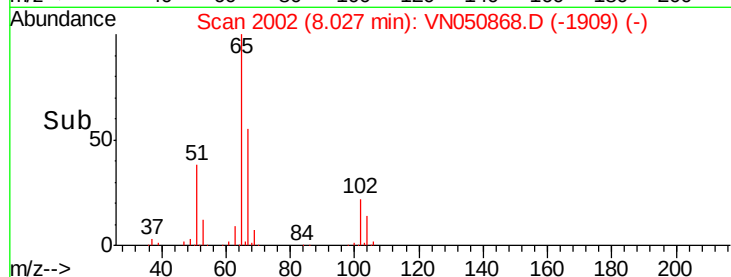
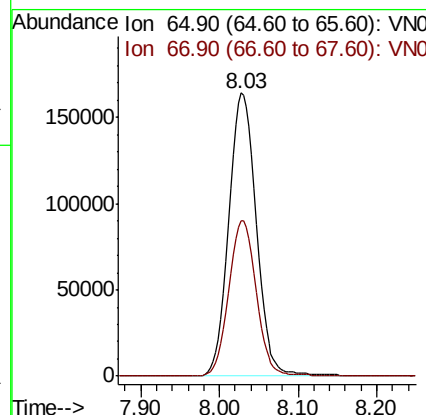
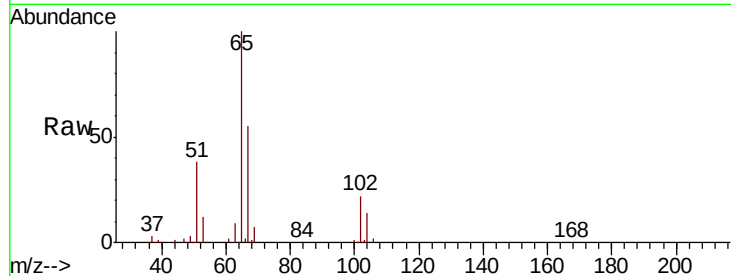




#33
 1,2-Dichloroethane-d4
 Concen: 52.89 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050868.D
 Acq: 24 Aug 2018 11:36

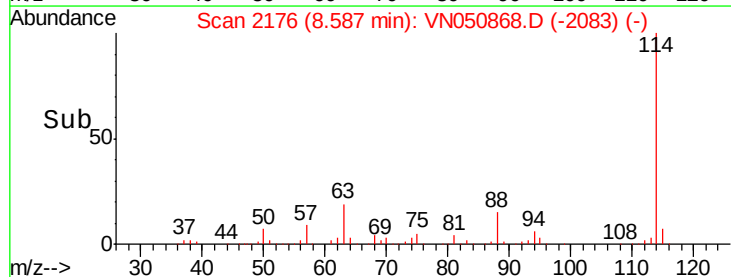
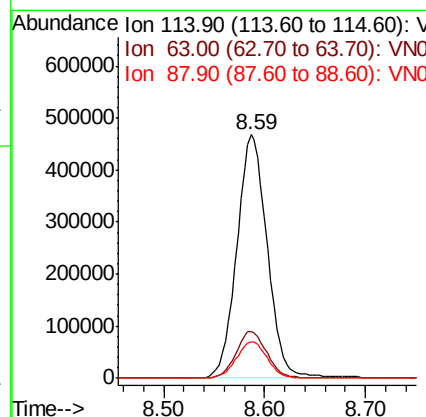
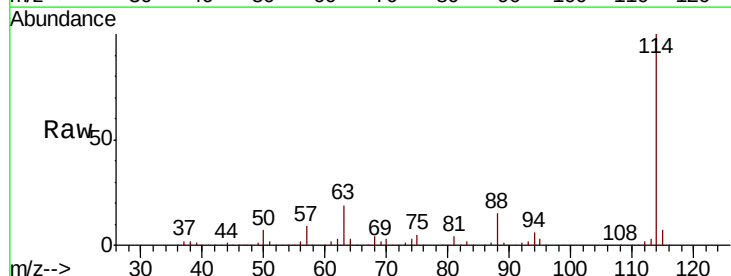
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

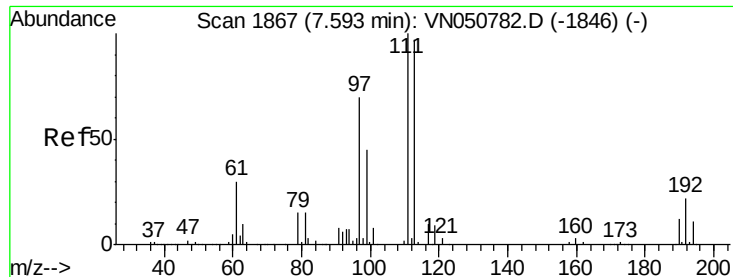
Tot Ion: 65 Resp: 397847
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050868.D
 Acq: 24 Aug 2018 11:36

Tgt Ion: 114 Resp: 975545
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.0 0.0 30.6

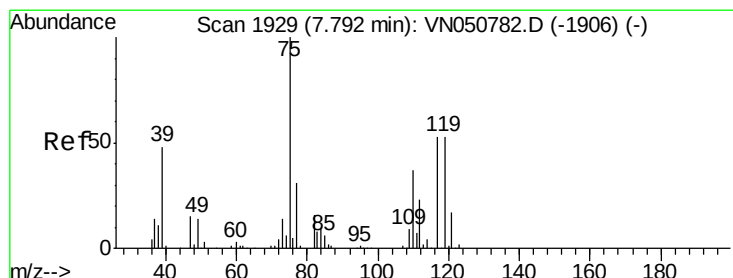
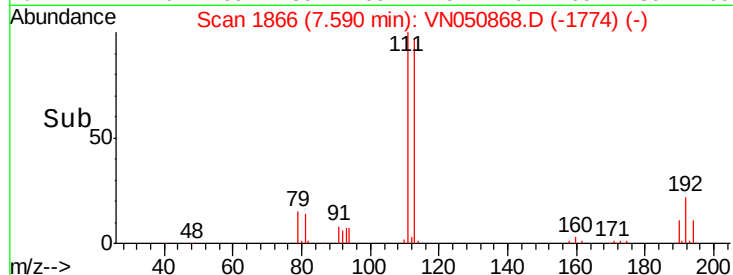
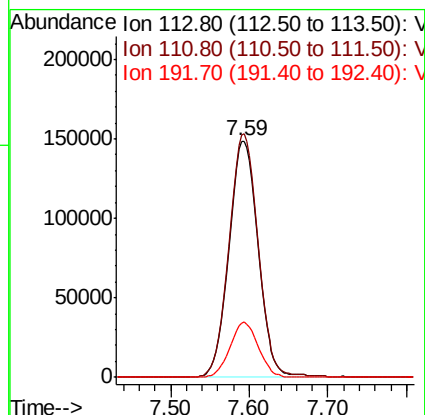
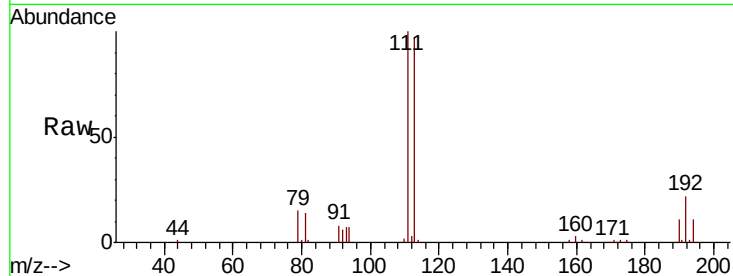




#35
Dibromofluoromethane
Concen: 49.29 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN050868.D
Acq: 24 Aug 2018 11:36

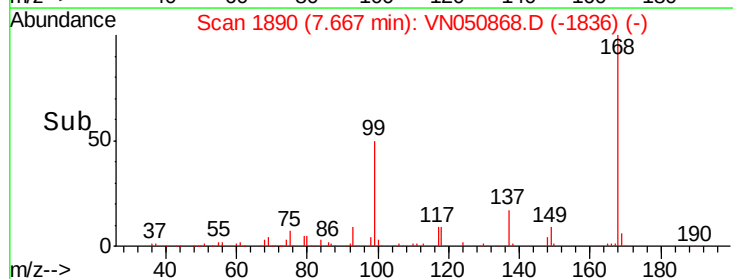
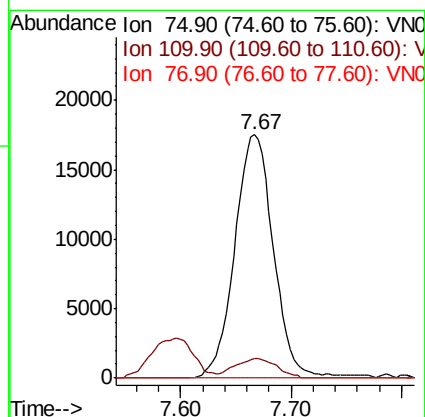
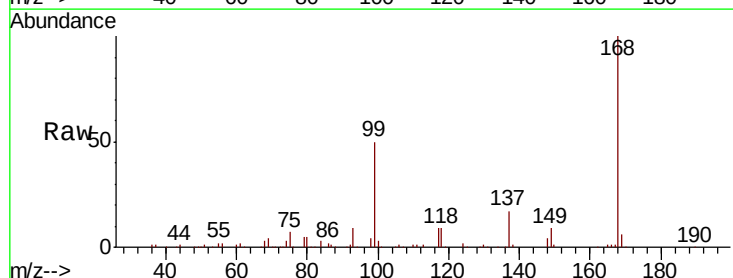
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

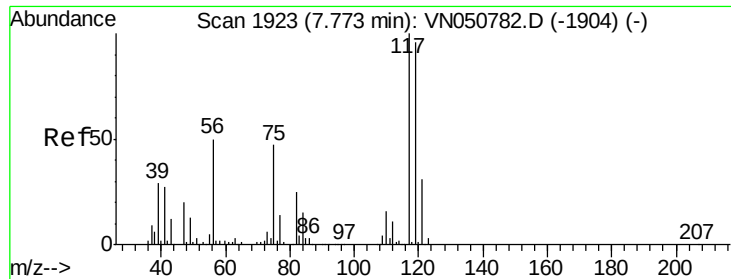
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	22.6	18.0	27.0



#36
1,1-Dichloropropene
Concen: 3.69 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050868.D
Acq: 24 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

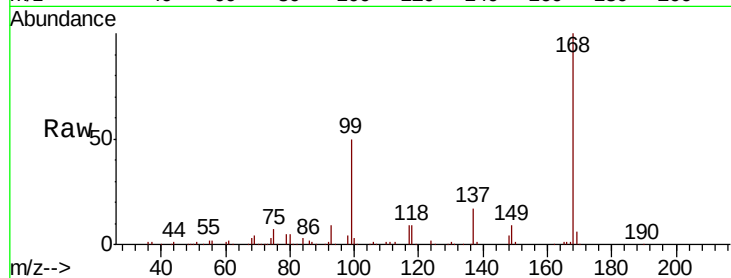
Tot Ion:117 Resp: 55265

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

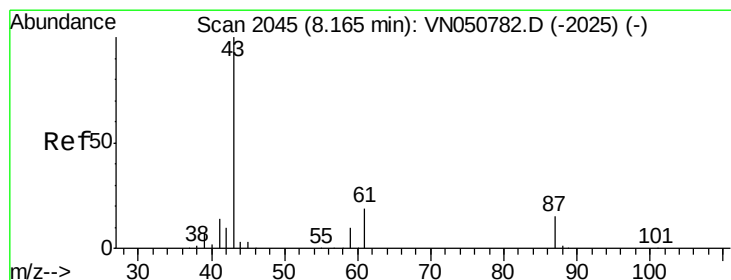
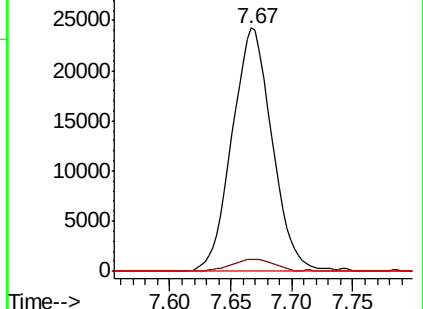
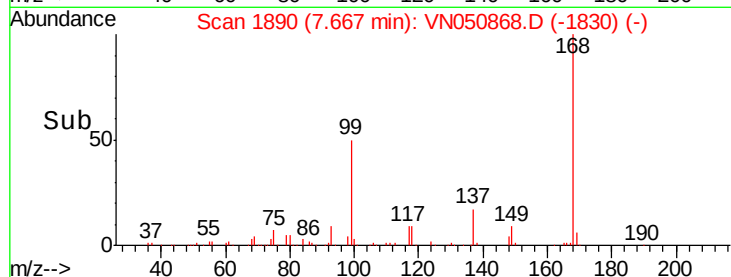
121 0.0 24.6 36.8#



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: 0.66 ug/l

RT: 8.23 min Scan# 2064

Delta R.T. 0.06 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

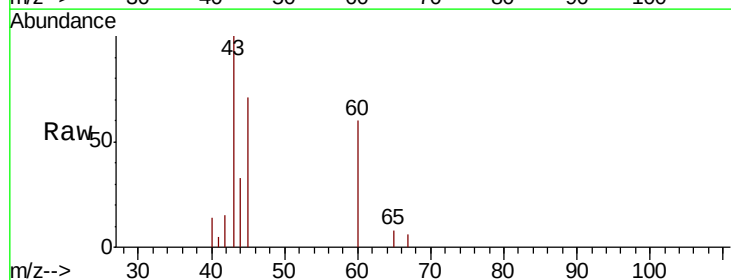
Tgt Ion: 43 Resp: 7557

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

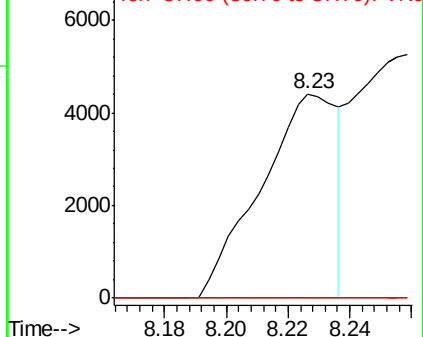
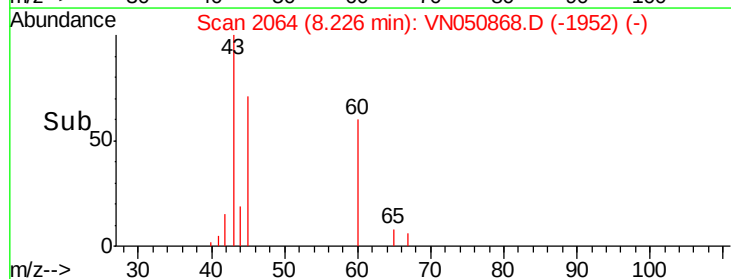
87 0.0 11.3 16.9#

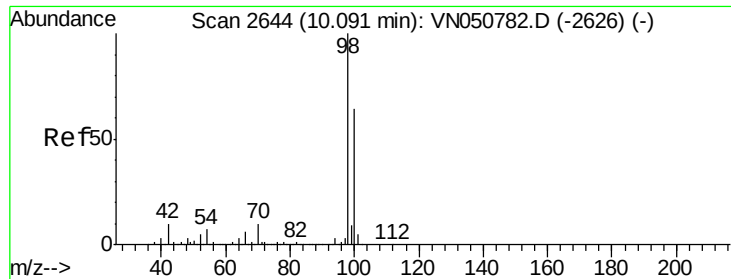


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.56 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

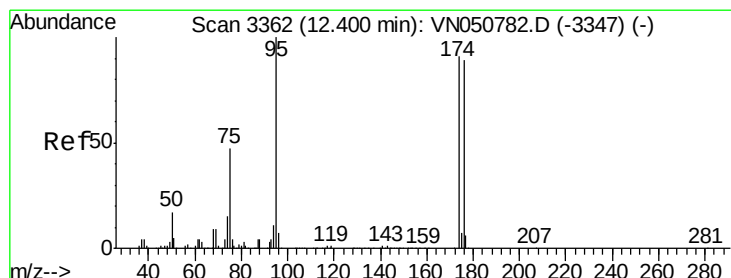
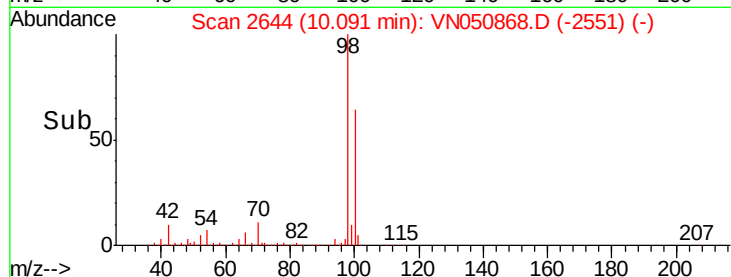
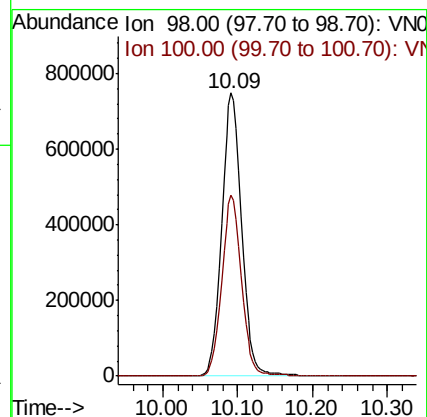
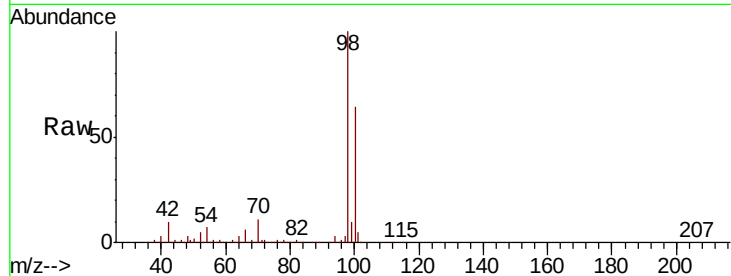
VN0824MBL01

Tot Ion: 98 Resp: 1380144

Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 38.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

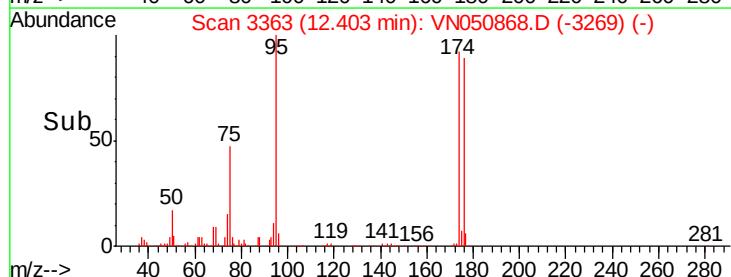
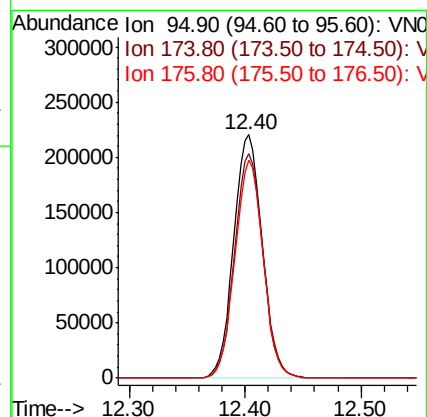
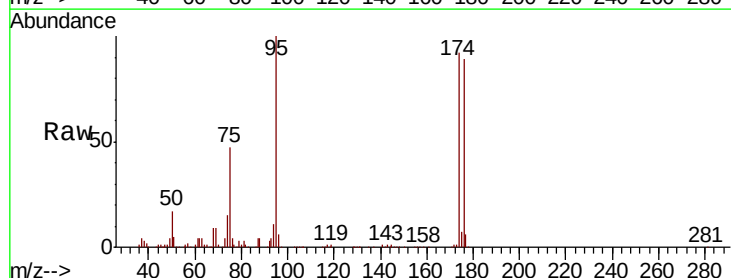
Tgt Ion: 95 Resp: 374971

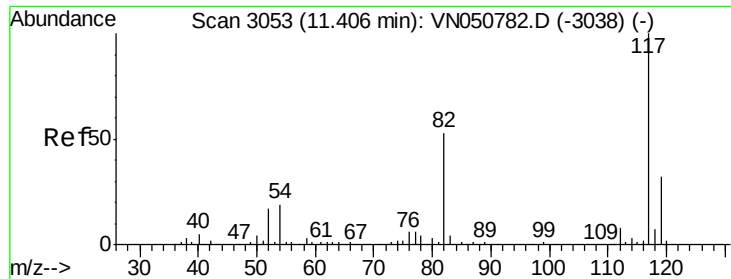
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.0

176 88.4 0.0 178.8

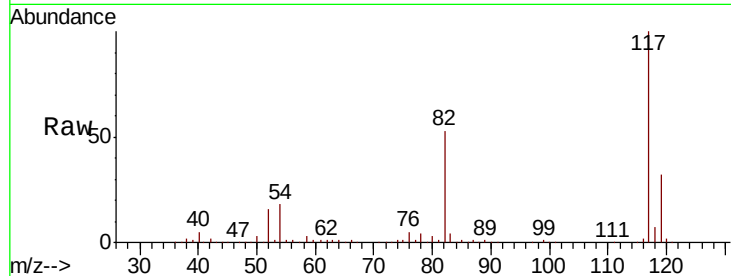




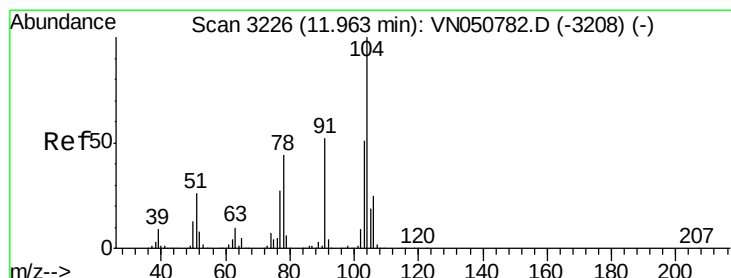
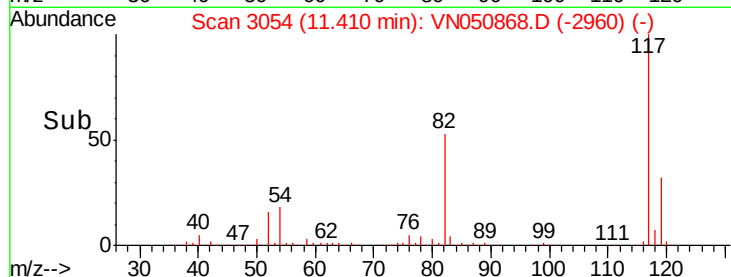
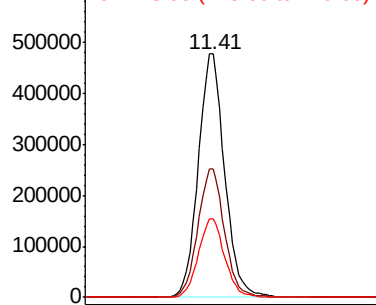
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050868.D
Acq: 24 Aug 2018 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0824MBL01

Tot Ion:117 Resp: 850795
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.4 25.8 38.6

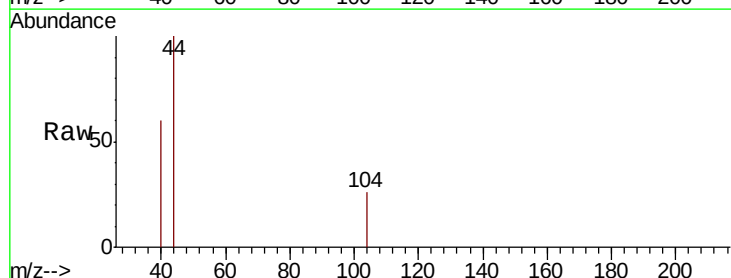


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

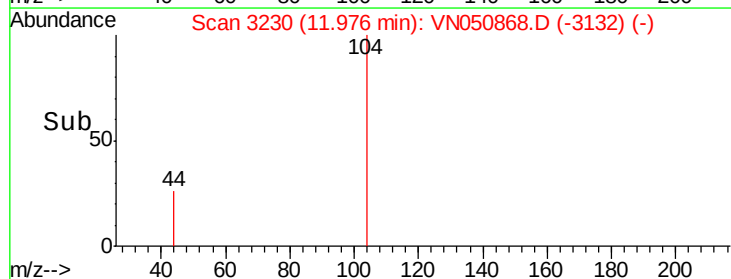
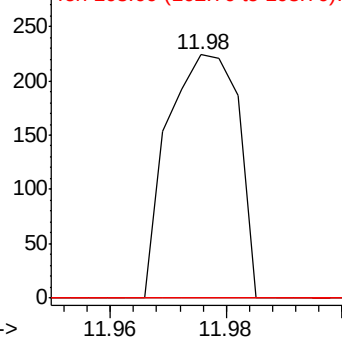


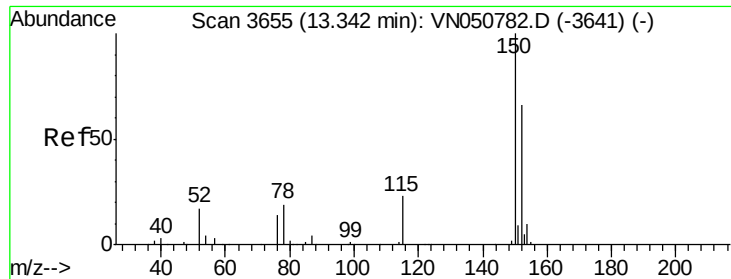
#70
Styrene
Concen: 1.28 ug/l
RT: 11.98 min Scan# 3230
Delta R.T. 0.01 min
Lab File: VN050868.D
Acq: 24 Aug 2018 11:36

Tgt Ion:104 Resp: 189
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): 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: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

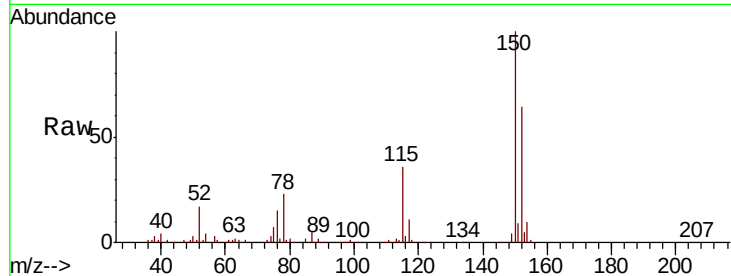
Tot Ion:152 Resp: 283245

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.4

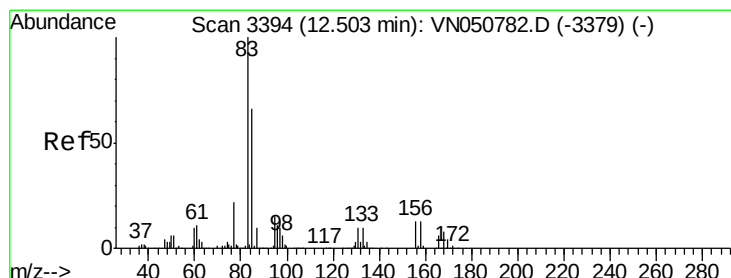
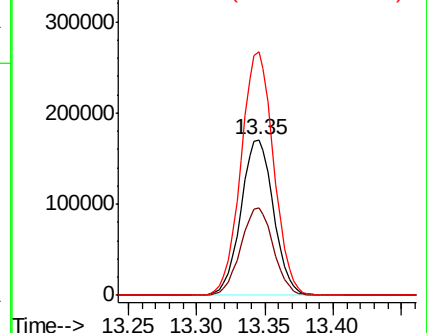
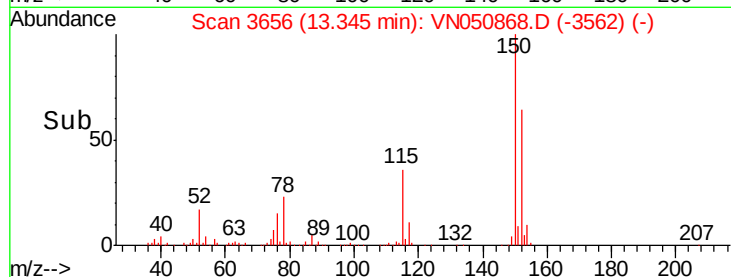
150 156.7 0.0 351.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3367

Delta R.T. -0.09 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

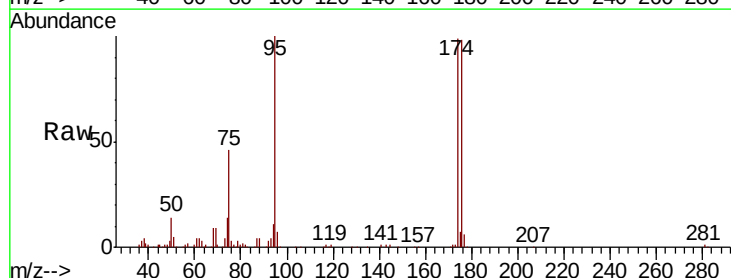
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

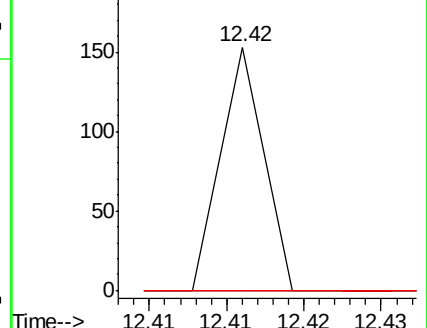
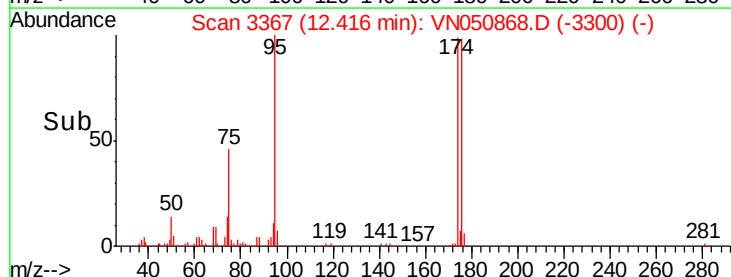
85 0.0 31.9 95.7#

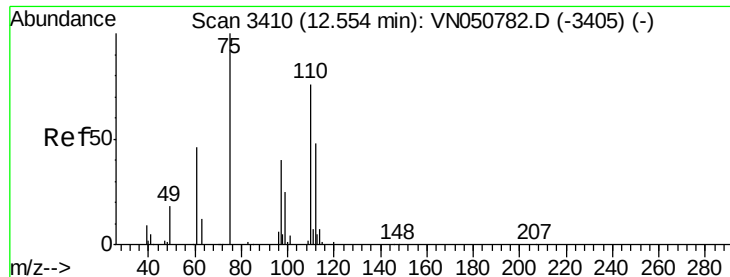


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

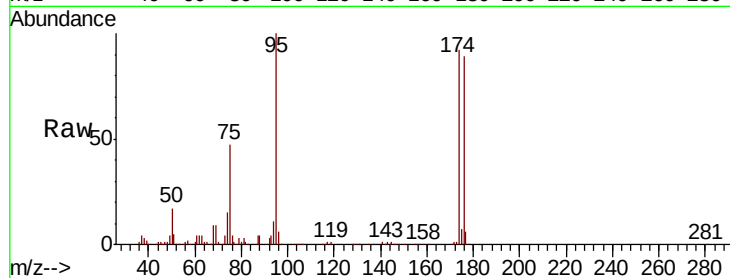
VN0824MBL01

Tot Ion: 75 Resp: 174230

Ion Ratio Lower Upper

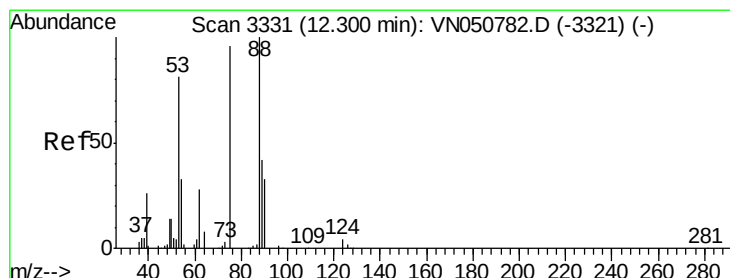
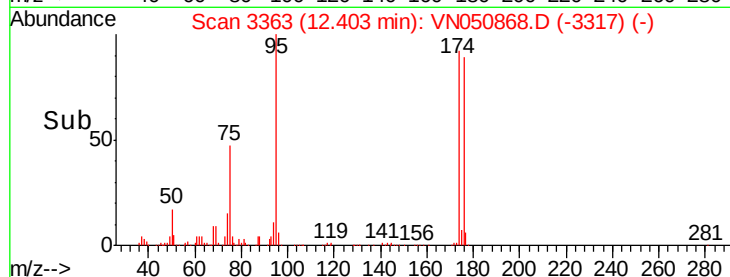
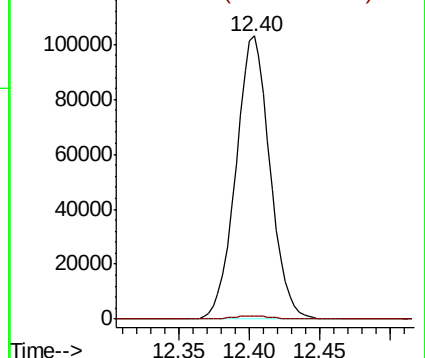
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 118.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

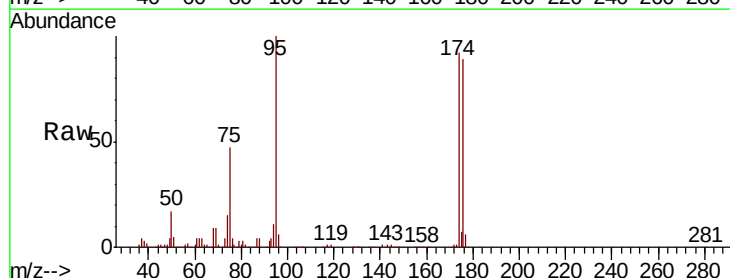
Tgt Ion: 75 Resp: 174230

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

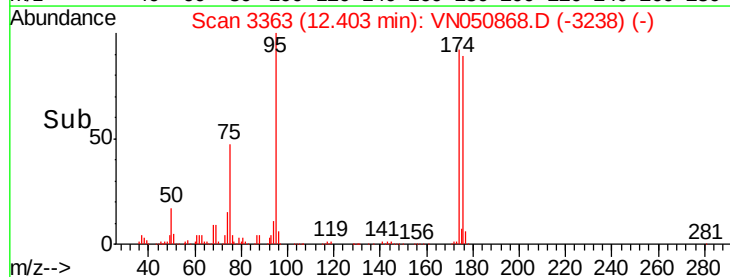
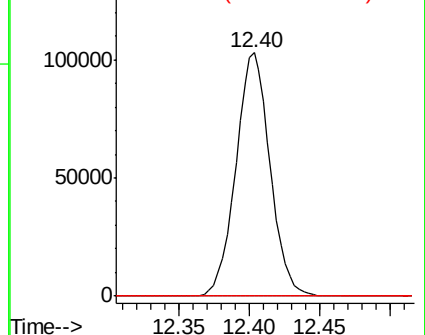
89 0.0 36.1 54.1#

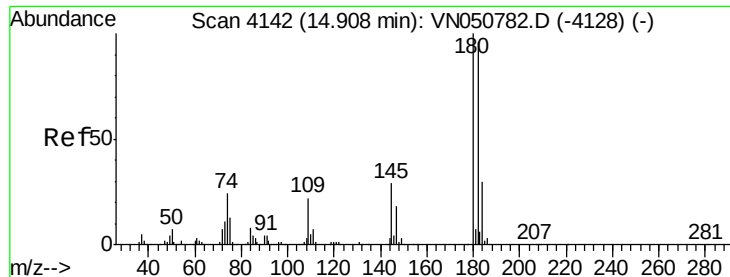


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

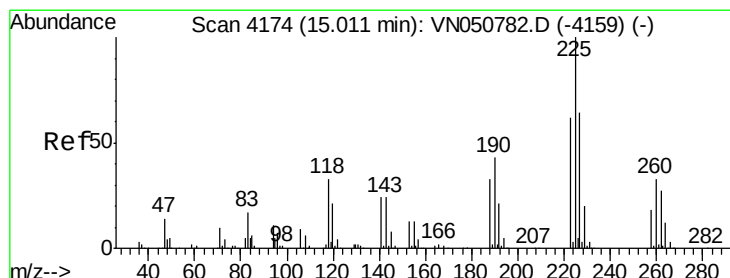
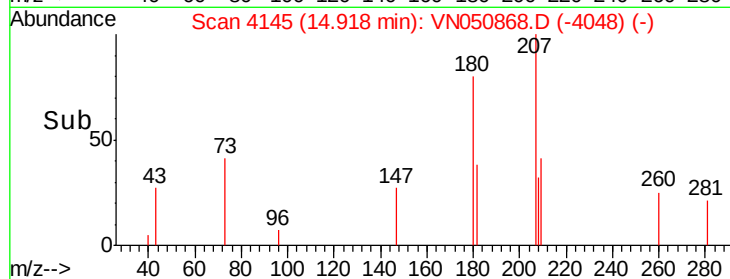
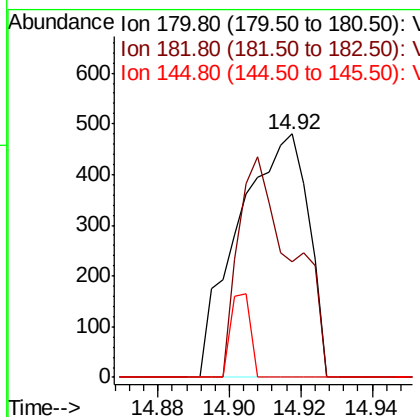
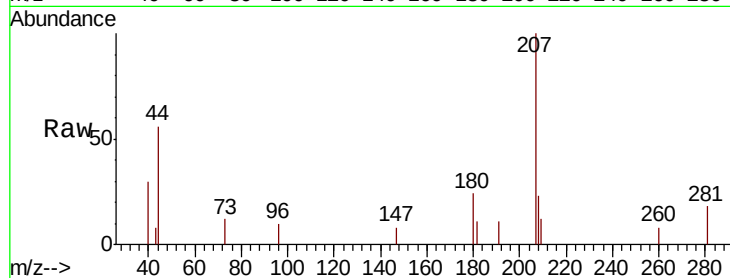




#93
 1,2,4-Trichlorobenzene
 Concen: 4.19 ua/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050868.D
 Acq: 24 Aug 2018 11:36

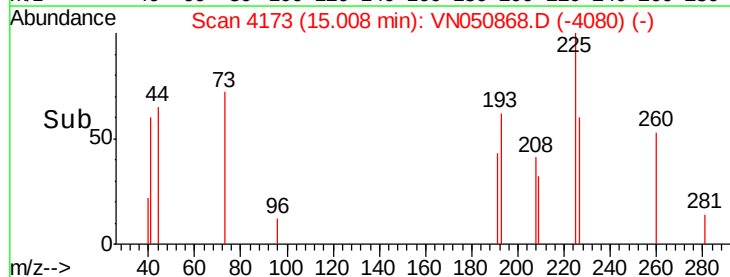
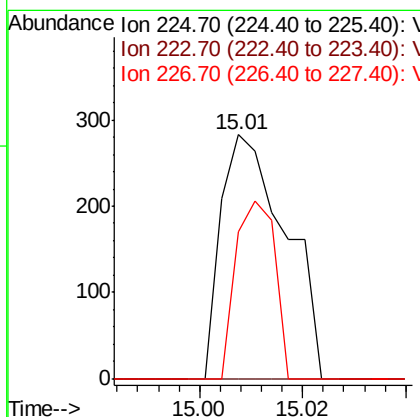
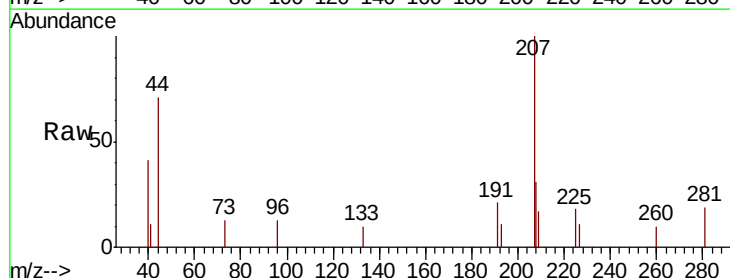
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBL01

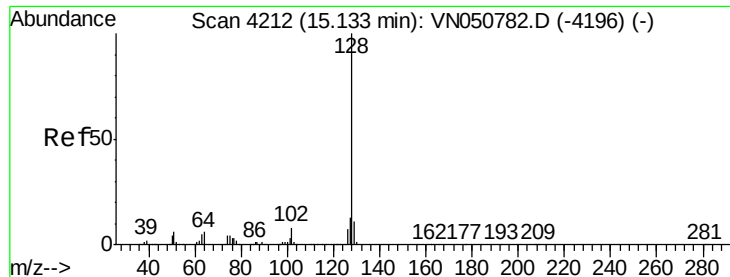
Tot Ion:180 Resp: 649
 Ion Ratio Lower Upper
 180 100
 182 69.3 48.2 144.6
 145 9.7 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.00 min
 Lab File: VN050868.D
 Acq: 24 Aug 2018 11:36

Tgt Ion:225 Resp: 245
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.3 93.8#
 227 44.1 32.0 96.2





#95

Naphthalene

Concen: 5.54 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0824MBL01

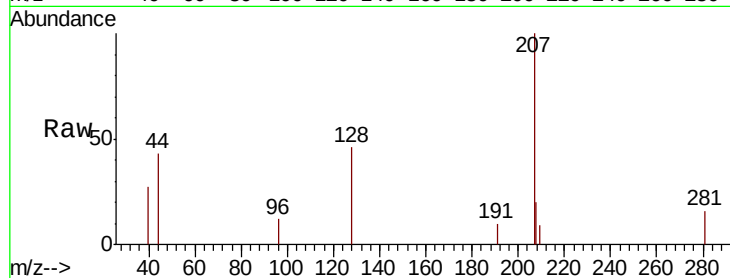
Tot Ion:128 Resp: 1785

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

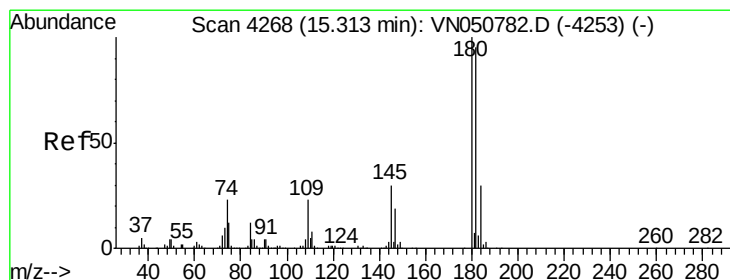
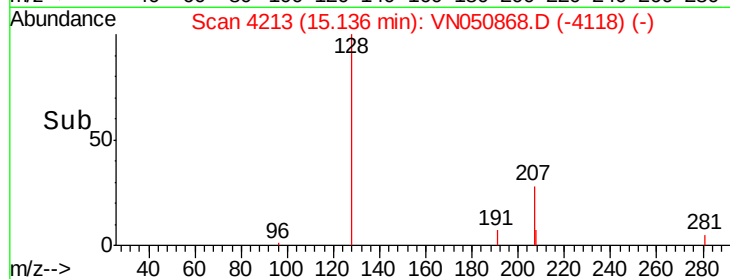
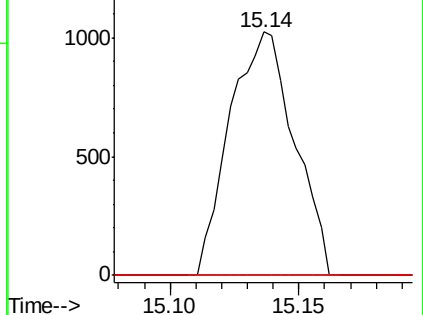
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050868.D

Acq: 24 Aug 2018 11:36

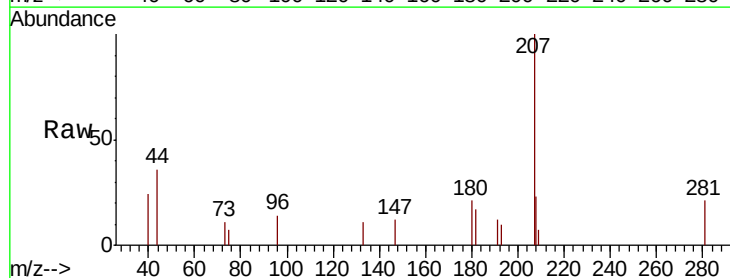
Tgt Ion:180 Resp: 719

Ion Ratio Lower Upper

180 100

182 65.0 48.0 144.2

145 4.2 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

