

Data File : VN050691.D
Acq On : 16 Aug 2018 10:05
Operator : MD\SY
Sample : VN0816MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

Quant Time: Aug 17 02:59:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1006228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	853662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284143	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	422176	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	7.59	113	398324	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.09	98	1417750	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	12.40	95	364874	36.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.06%	

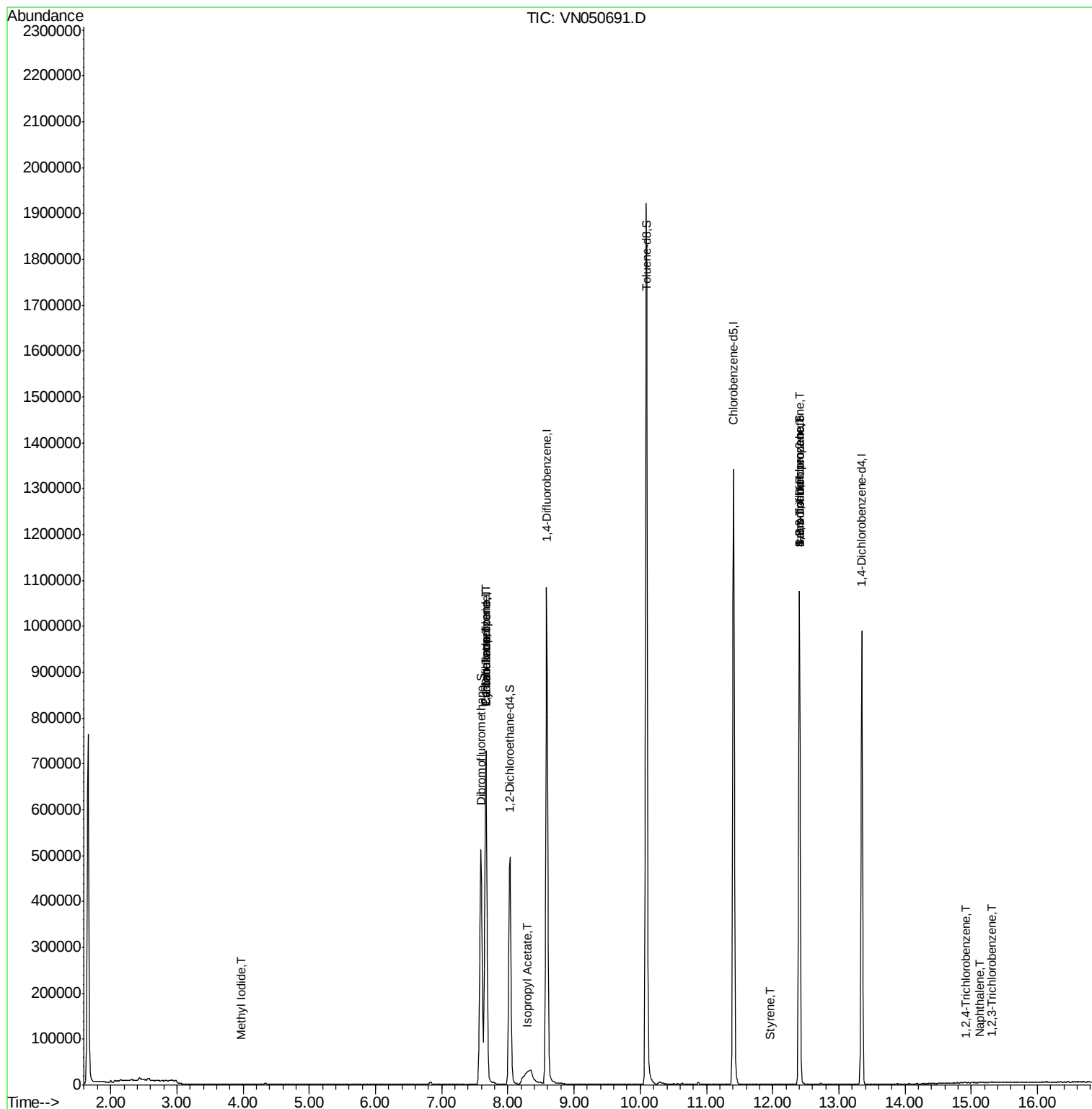
Target Compounds				Qvalue		
3) Chloromethane	2.06	50	2407	Below Cal		95
5) Bromomethane	2.57	94	2908	Below Cal		88
6) Chloroethane	2.69	64	102	Below Cal	#	43
10) Methyl Iodide	3.97	142	857	7.087 ug/l	#	42
16) Acetone	3.83	43	1170	Below Cal		90
18) Methyl Acetate	4.33	43	2416	Below Cal		91
20) Methylene Chloride	4.56	84	1001	Below Cal	#	75
31) Cyclohexane	7.67	56	11693	0.626 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	45102	4.027 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	55766	4.799 ug/l	#	18
43) Isopropyl Acetate	8.28	43	31431	2.724 ug/l	#	62
70) Styrene	11.97	104	76	0.944 ug/l	#	26
71) Bromoform	12.40	173	1268	0.240 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	33	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	170447	36.858 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	170447	133.362 ug/l	#	13
93) 1,2,4-Trichlorobenzene	14.92	180	578	2.780 ug/l	#	72
95) Naphthalene	15.13	128	827	3.931 ug/l	#	86
96) 1,2,3-Trichlorobenzene	15.31	180	660	2.071 ug/l	#	91

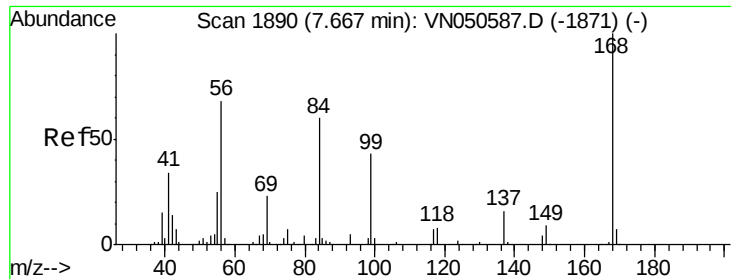
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN050691.D
Acq On : 16 Aug 2018 10:05
Operator : MD\SY
Sample : VN0816MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

Quant Time: Aug 17 02:59:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

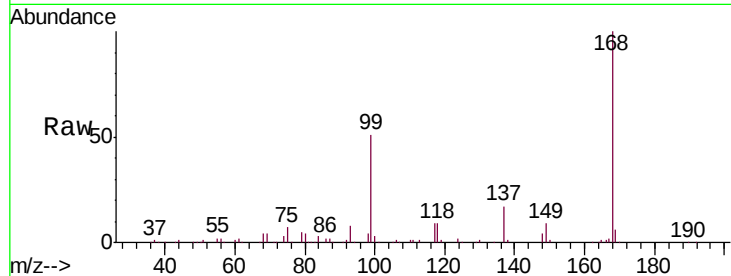
VN0816MBL01

Tgt Ion:168 Resp: 632733

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

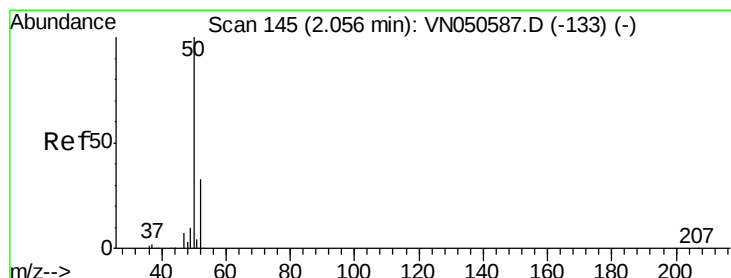
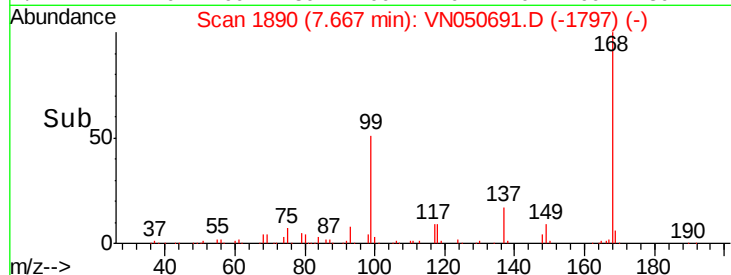
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050691.D

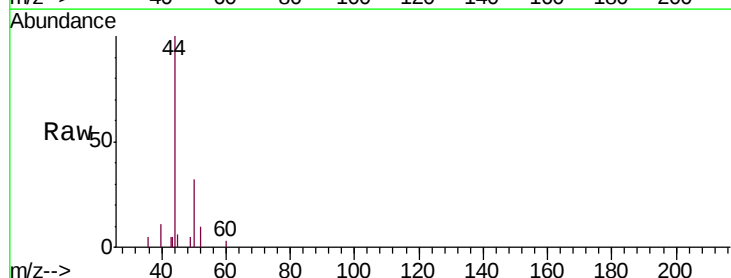
Acq: 16 Aug 2018 10:05

Tgt Ion: 50 Resp: 2407

Ion Ratio Lower Upper

50 100

52 29.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN050587.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050587.D (-133) (-)

2.06

2000

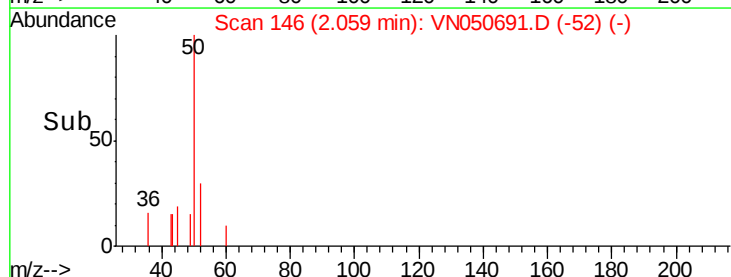
1500

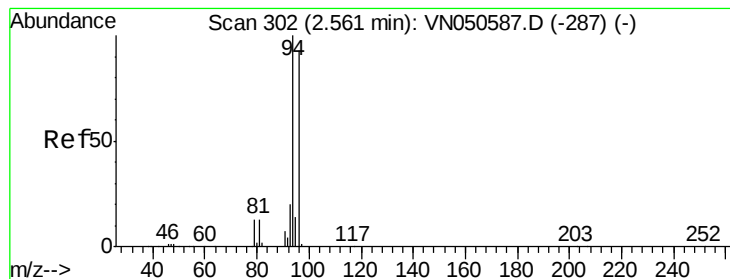
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

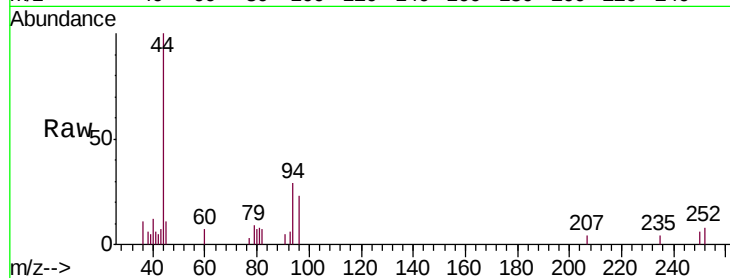
VN0816MBL01

Tgt Ion: 94 Resp: 2908

Ion Ratio Lower Upper

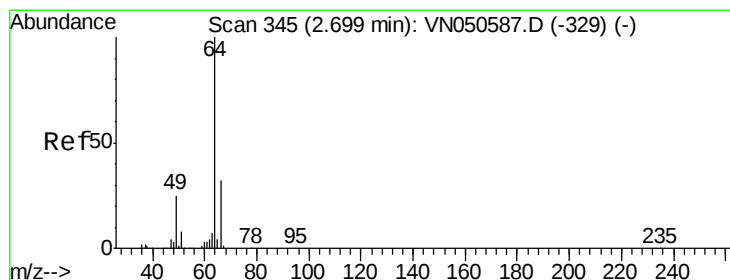
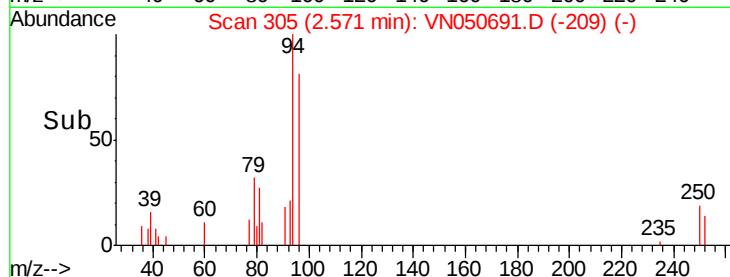
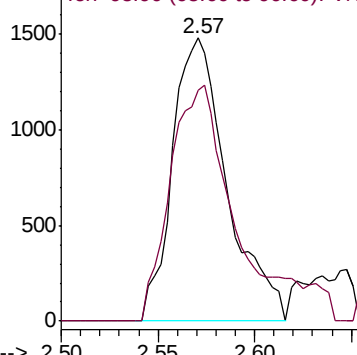
94 100

96 81.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN050691.D

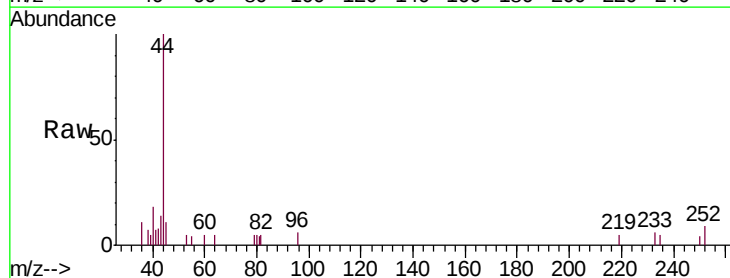
Acq: 16 Aug 2018 10:05

Tgt Ion: 64 Resp: 102

Ion Ratio Lower Upper

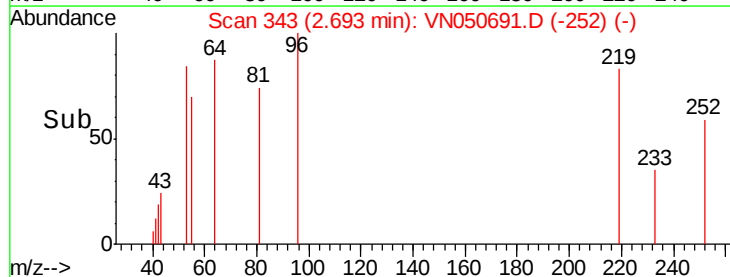
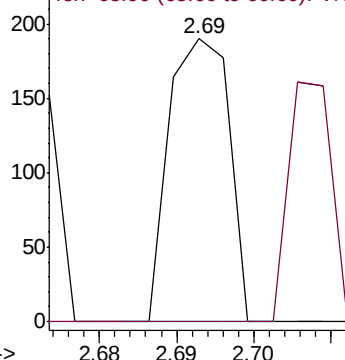
64 100

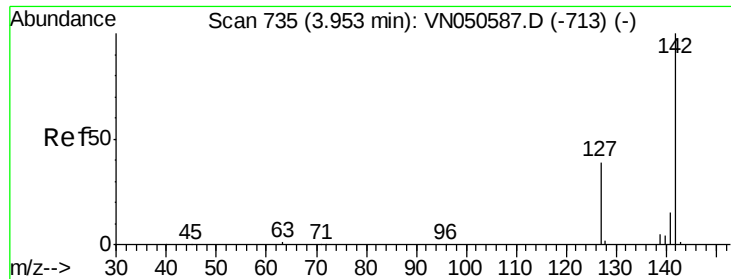
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

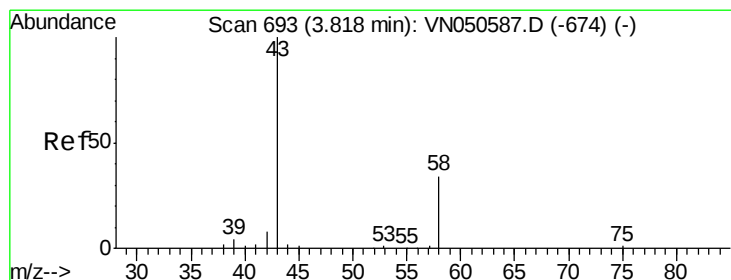
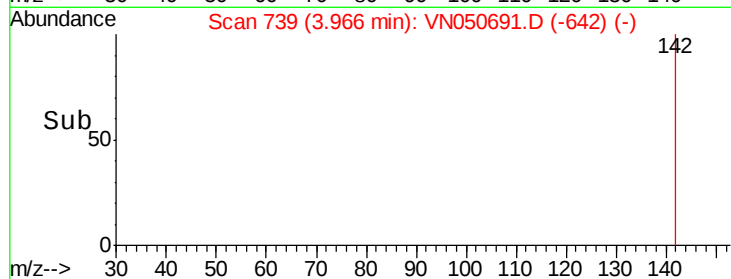
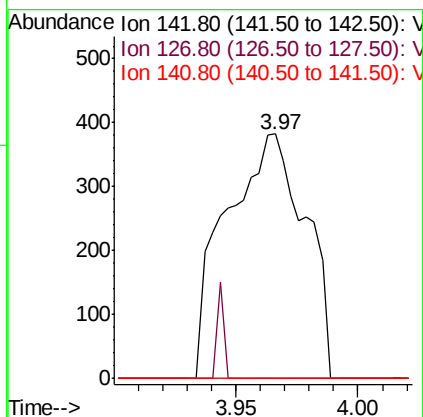
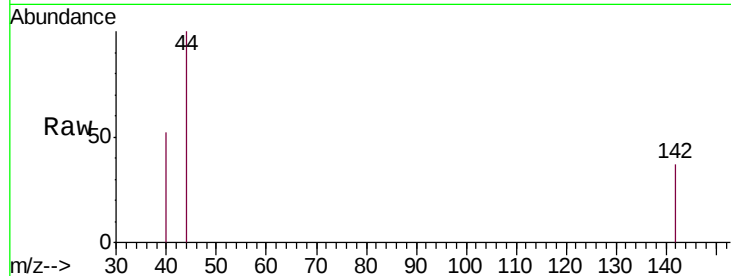




#10
Methyl Iodide
Concen: 7.087 ug/l
RT: 3.97 min Scan# 739
Delta R.T. 0.01 min
Lab File: VN050691.D
Acq: 16 Aug 2018 10:05

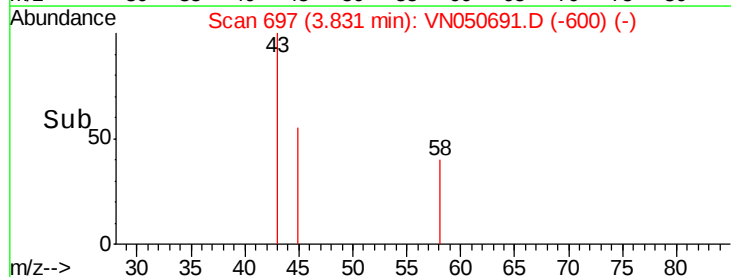
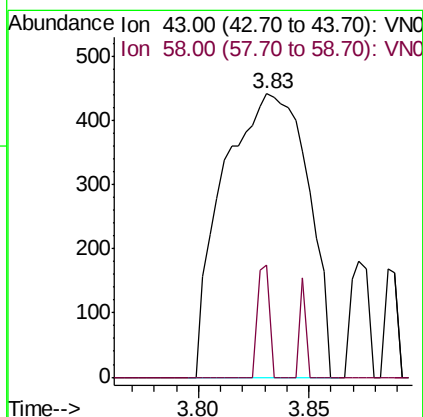
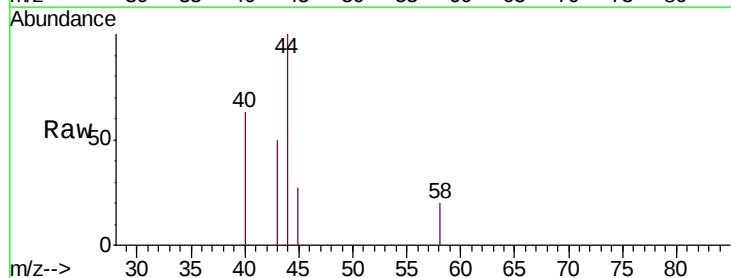
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

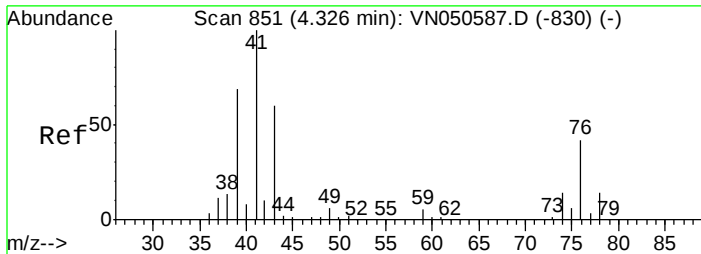
Tgt Ion: 142 Resp: 857
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN050691.D
Acq: 16 Aug 2018 10:05

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 39.6 27.1 40.7

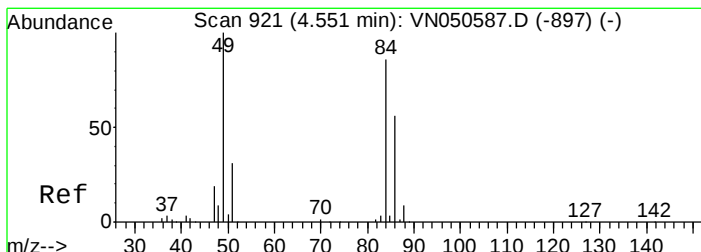
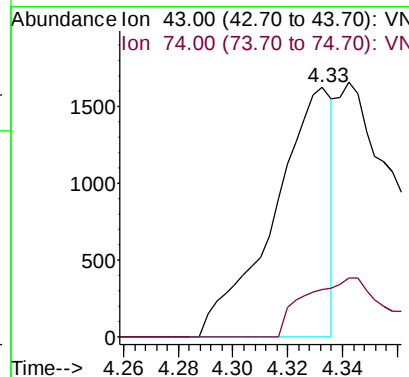
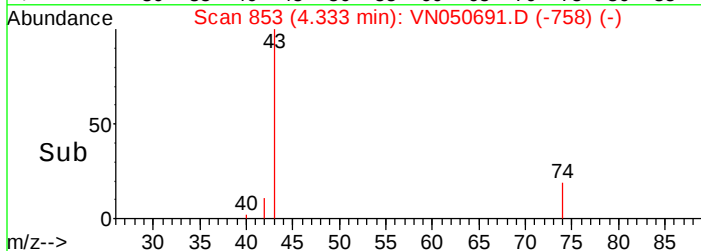
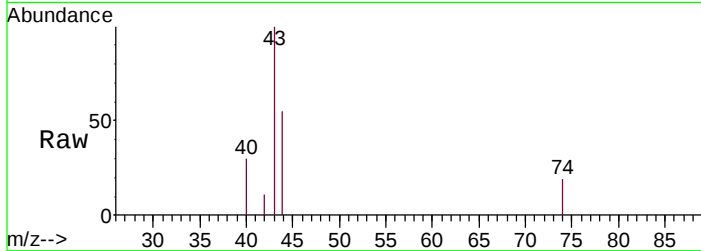




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050691.D
Acq: 16 Aug 2018 10:05

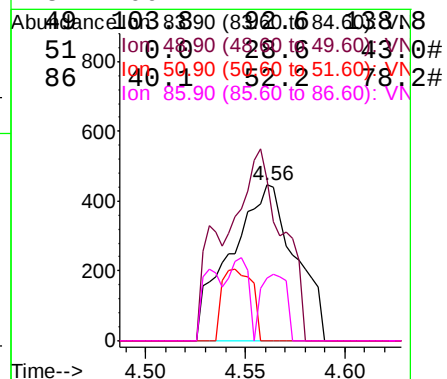
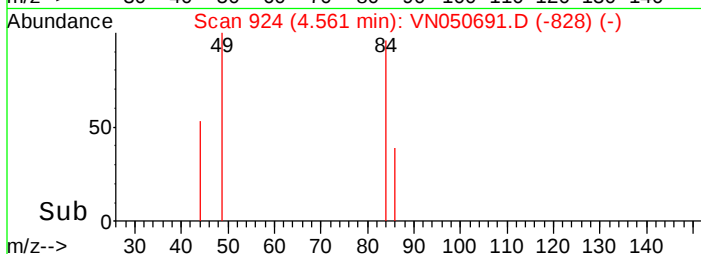
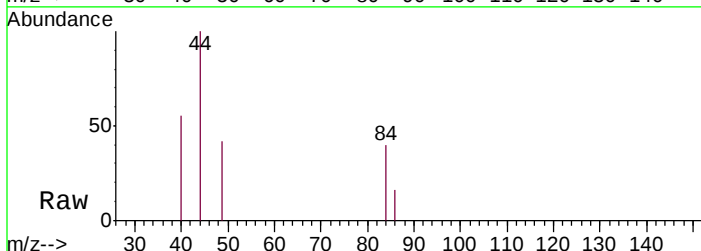
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

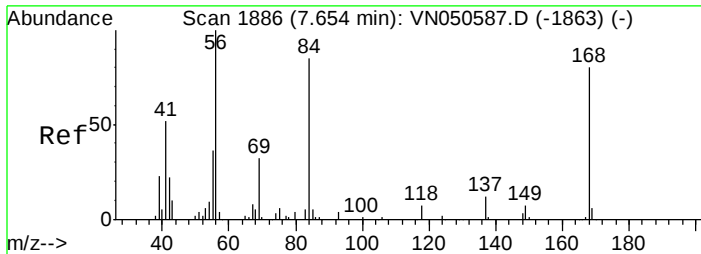
Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
74 29.3 19.7 29.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN050691.D
Acq: 16 Aug 2018 10:05

Tgt Ion: 84 Resp: 1001
Ion Ratio Lower Upper
84 100





#31

Cyclohexane

Concen: 0.626 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBL01

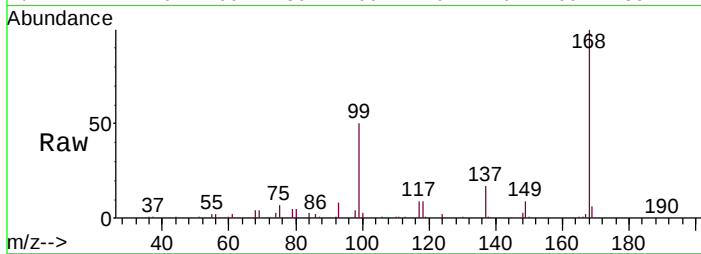
Tgt Ion: 56 Resp: 11693

Ion Ratio Lower Upper

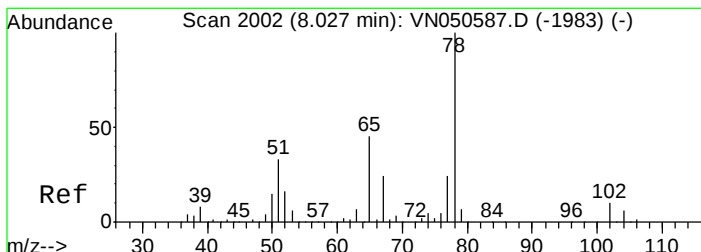
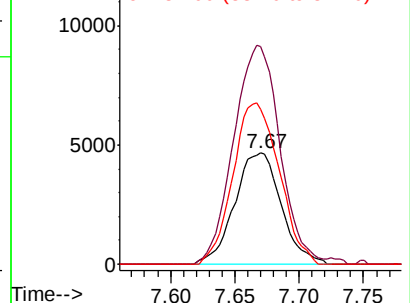
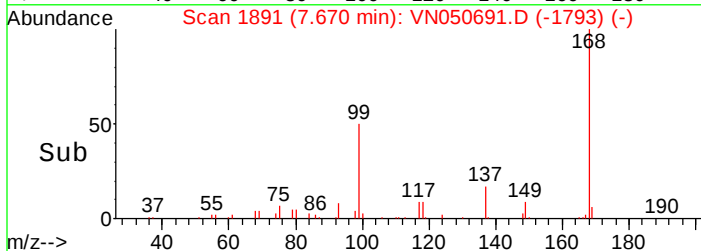
56 100

69 195.8 25.8 38.6#

84 139.2 67.8 101.6#



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 69.00 (68.70 to 69.70): VN
Ion 84.00 (83.70 to 84.70): VN



#33

1,2-Dichloroethane-d4

Concen: 52.933 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

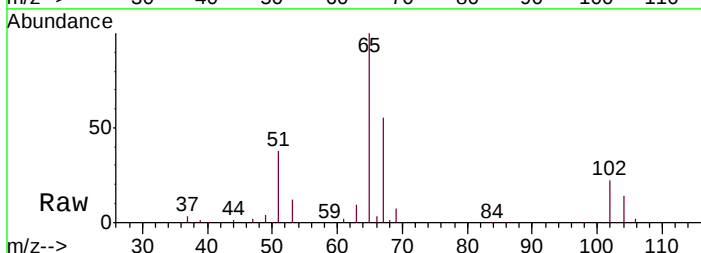
Tgt Ion: 65 Resp: 422176

Ion Ratio Lower Upper

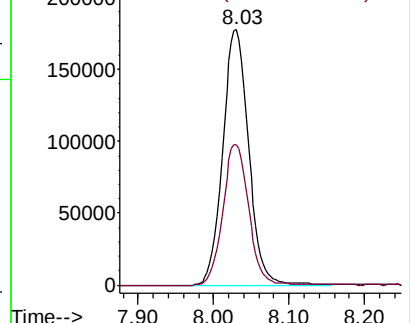
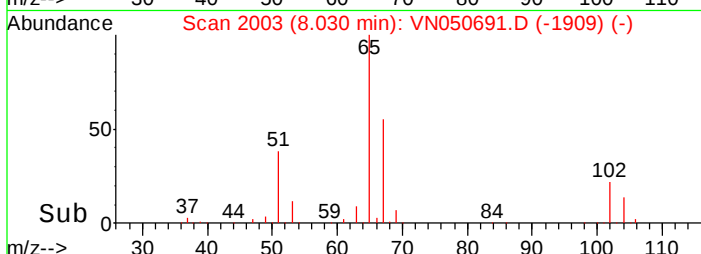
65 100

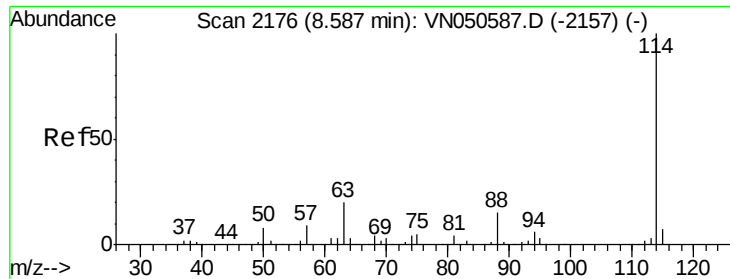
67 54.9 64.0 109.8

69 54.9 66.0 109.8



Abundance Ion 65.00 (64.60 to 65.40): VN
Ion 66.90 (66.60 to 67.60): VN

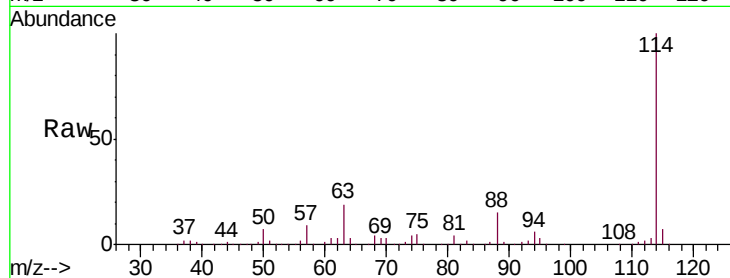




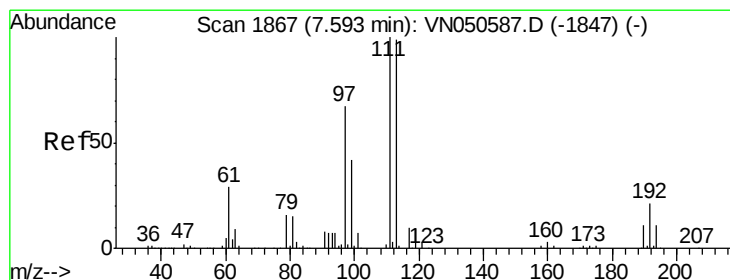
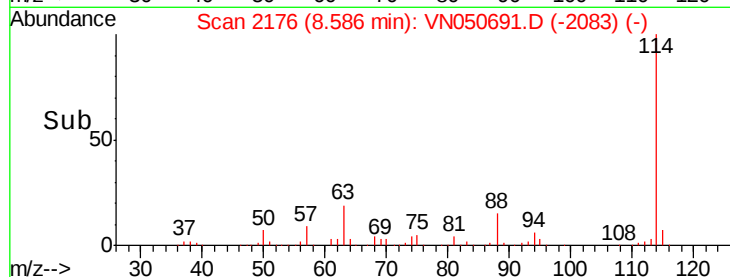
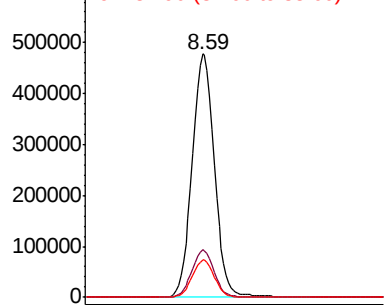
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBL01

Tgt Ion:114 Resp: 1006228
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.2 0.0 30.8

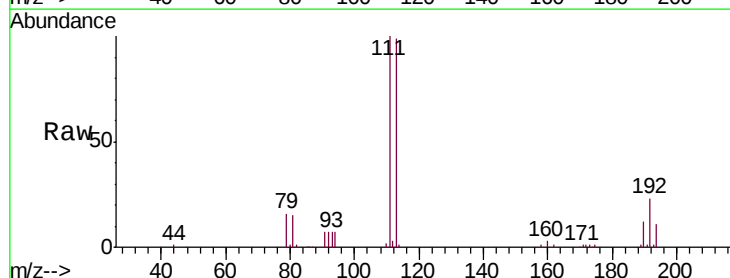


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

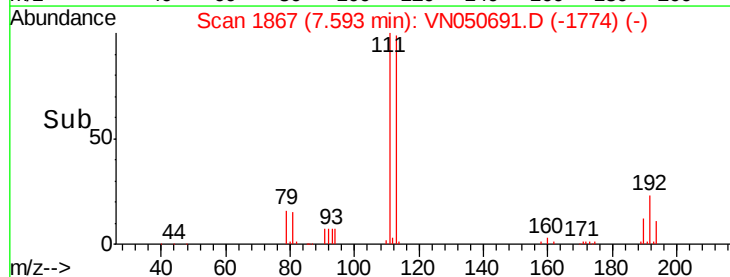
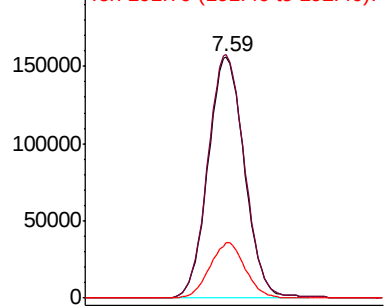


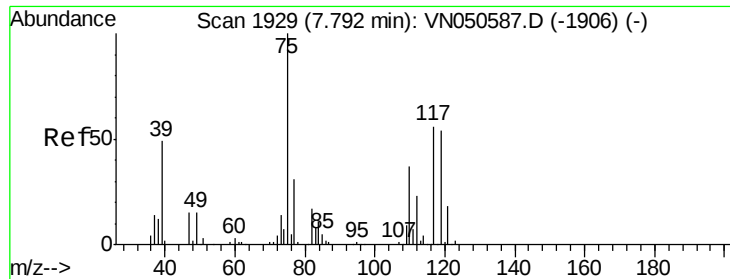
#35
 Dibromofluoromethane
 Concen: 49.584 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

Tgt Ion:113 Resp: 398324
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.6
 192 22.5 17.6 26.4



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

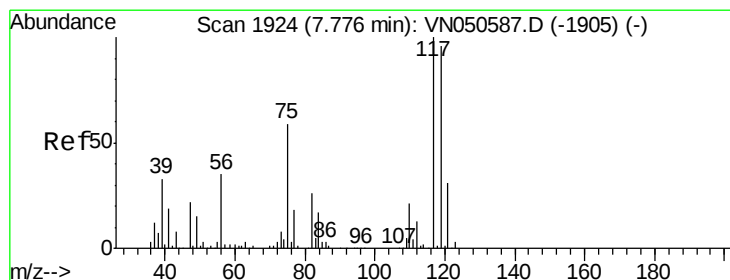
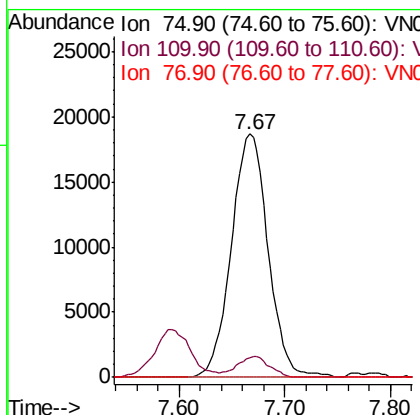
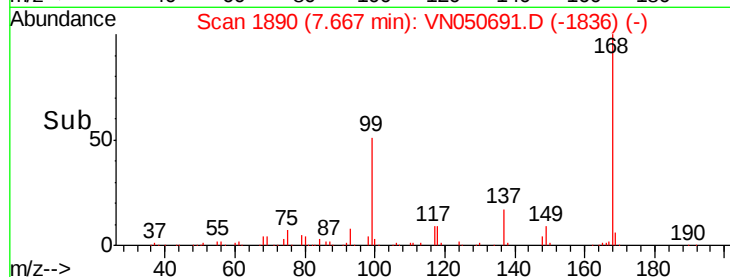
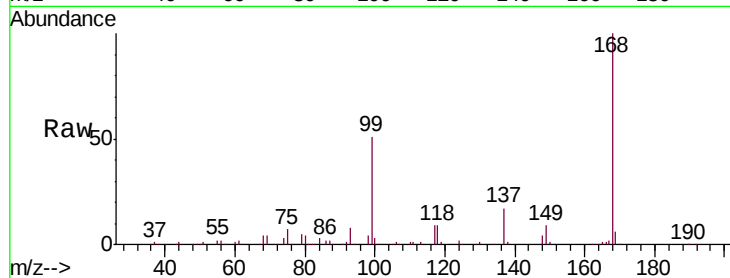




#36
 1,1-Dichloropropene
 Concen: 4.027 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

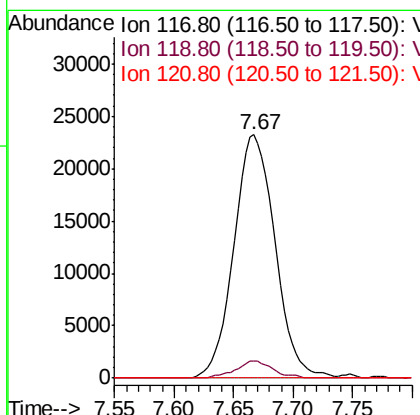
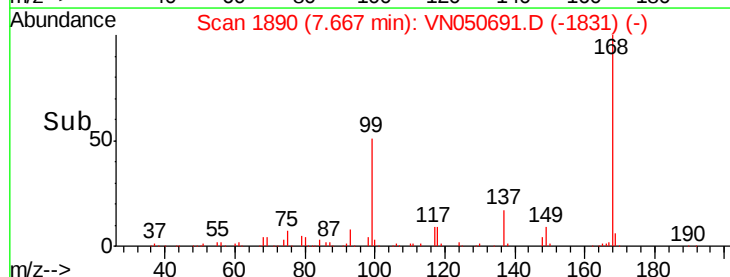
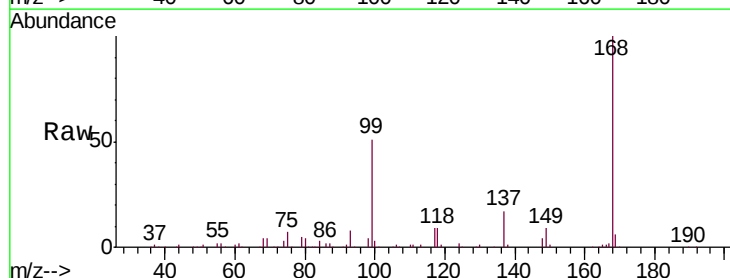
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBL01

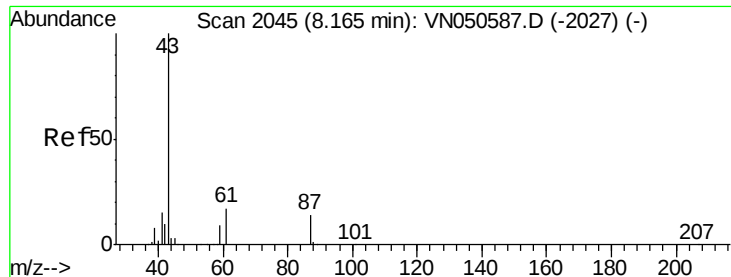
Tgt Ion: 75 Resp: 45102
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.3 54.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.799 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

Tgt Ion: 117 Resp: 55766
 Ion Ratio Lower Upper
 117 100
 119 7.1 76.6 115.0#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.724 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampled :

VN0816MBL01

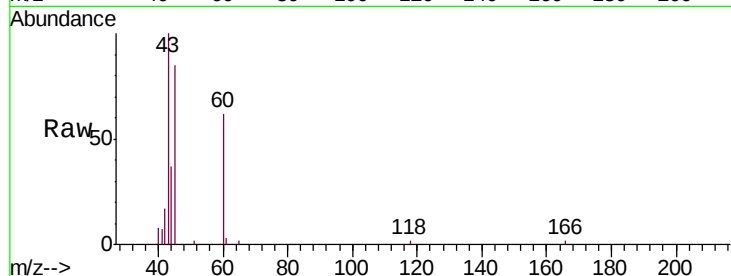
Tgt Ion: 43 Resp: 31431

Ion Ratio Lower Upper

43 100

61 1.1 16.2 24.2#

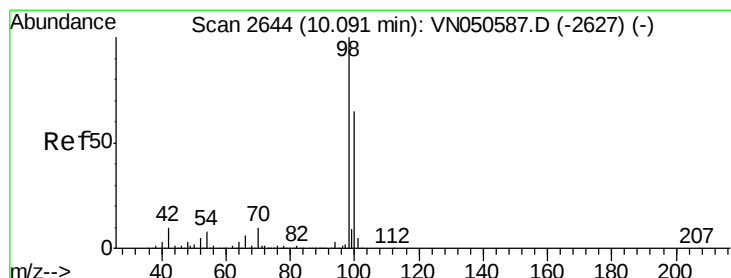
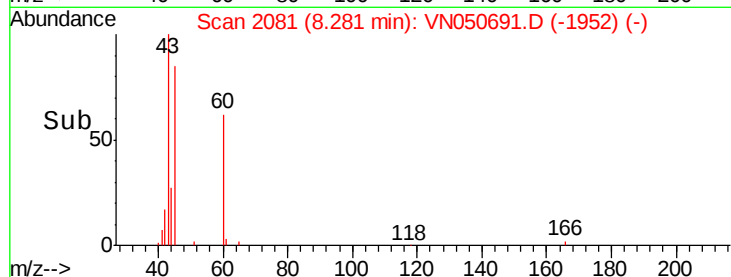
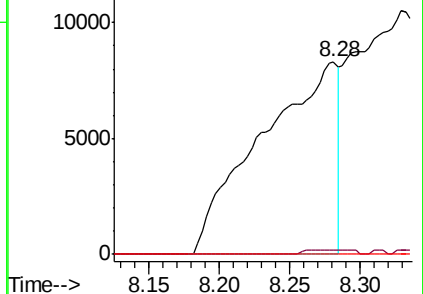
87 0.0 10.9 16.3#



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: 46.893 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050691.D

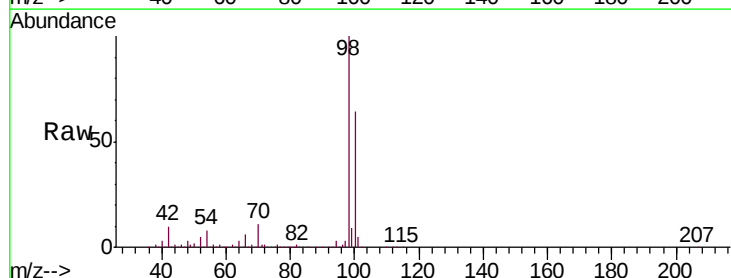
Acq: 16 Aug 2018 10:05

Tgt Ion: 98 Resp: 1417750

Ion Ratio Lower Upper

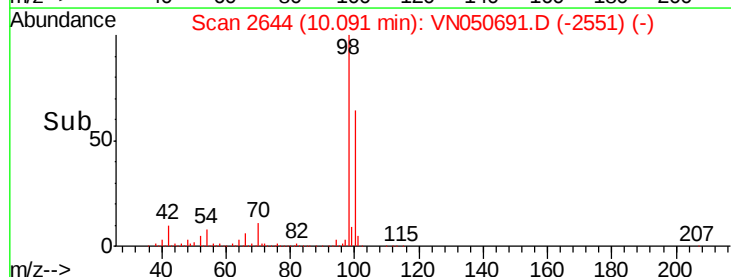
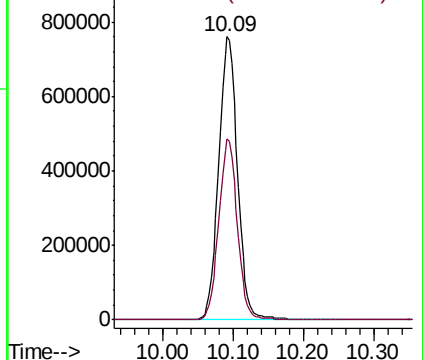
98 100

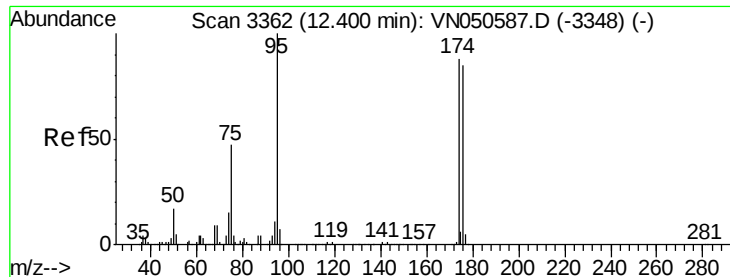
100 63.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.531 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBL01

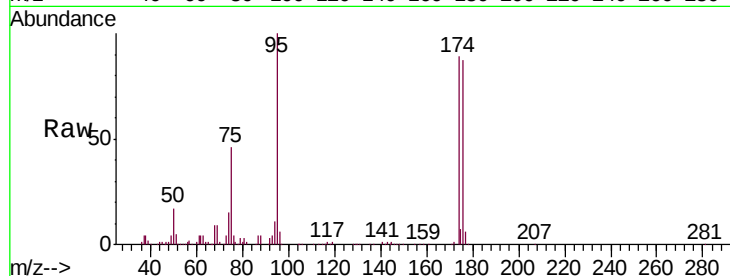
Tgt Ion: 95 Resp: 364874

Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.8

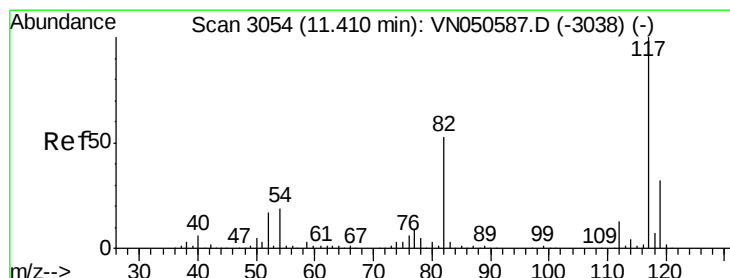
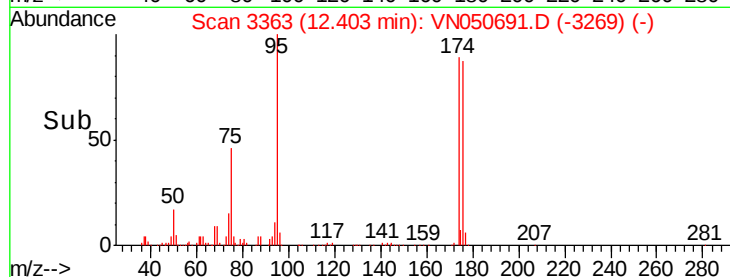
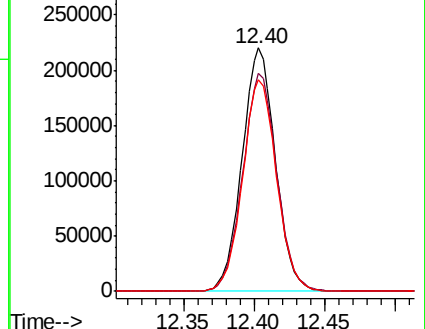
176 88.6 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

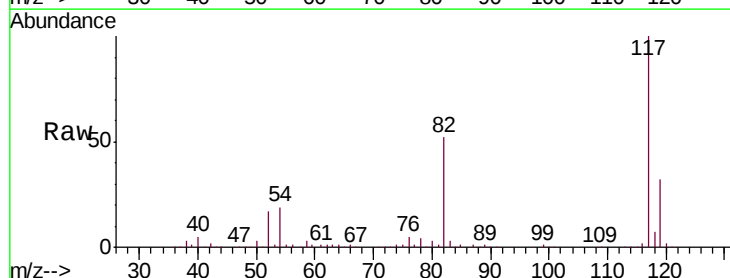
Tgt Ion: 117 Resp: 853662

Ion Ratio Lower Upper

117 100

82 52.0 42.4 63.6

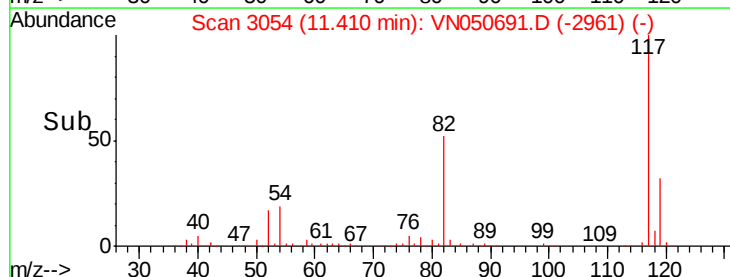
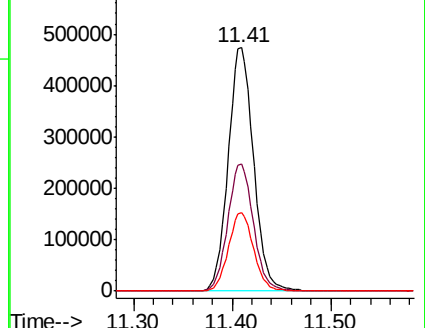
119 32.2 25.8 38.8

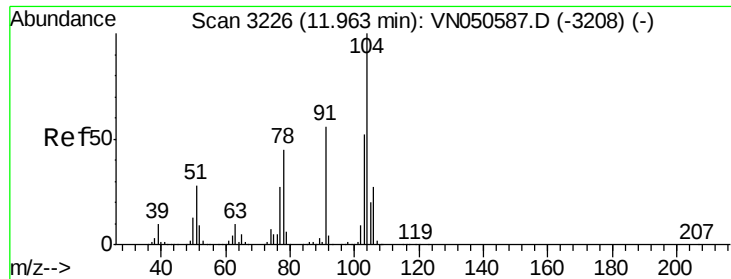


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)





#70

Styrene

Concen: 0.944 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampled :

VN0816MBL01

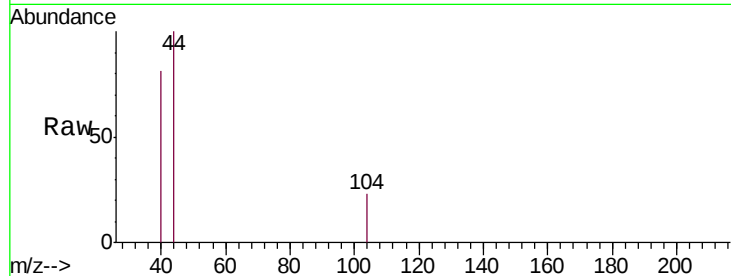
Tgt Ion:104 Resp: 76

Ion Ratio Lower Upper

104 100

78 0.0 39.1 58.7#

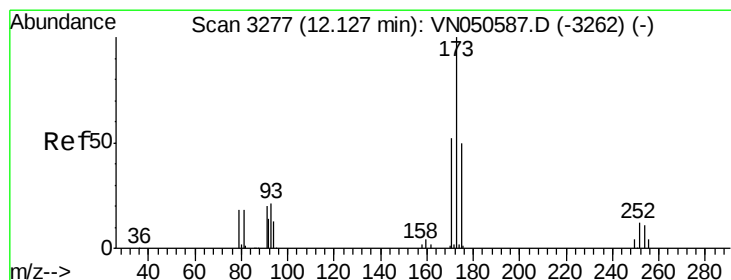
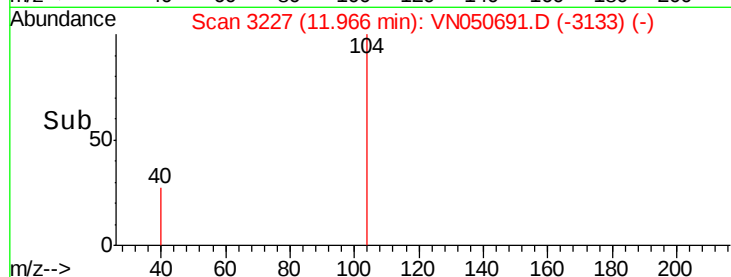
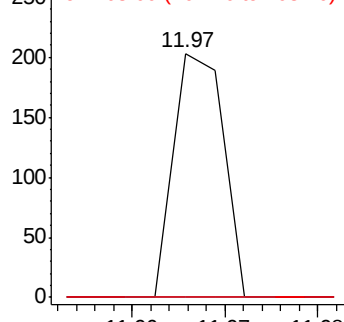
103 0.0 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.240 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

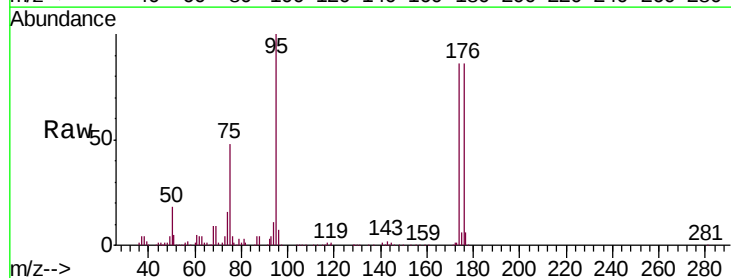
Tgt Ion:173 Resp: 1268

Ion Ratio Lower Upper

173 100

175 1579.7 24.4 73.2#

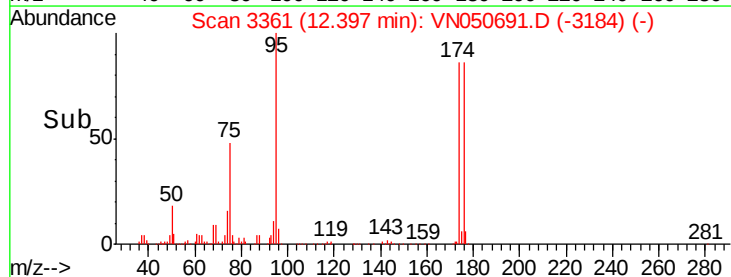
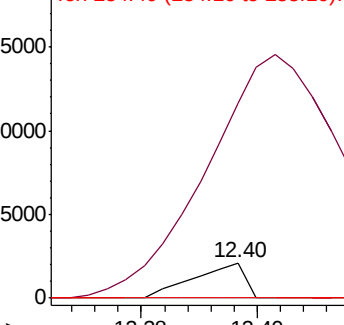
254 0.0 0.0 0.0

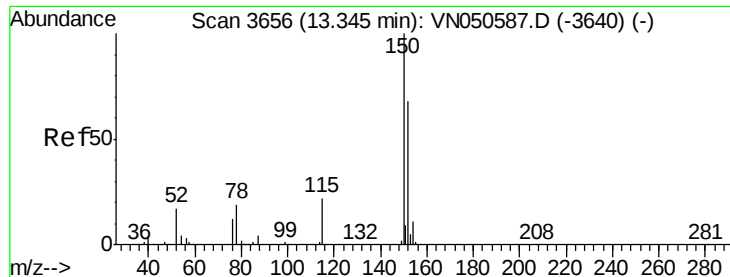


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBL01

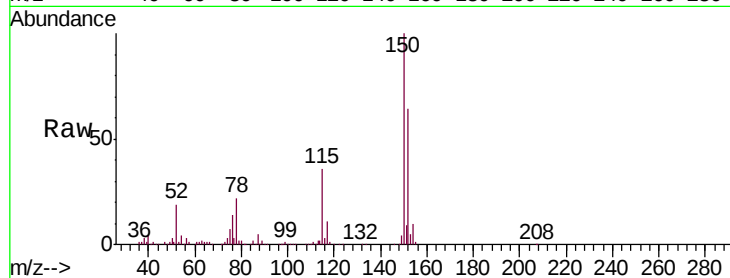
Tgt Ion:152 Resp: 284143

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

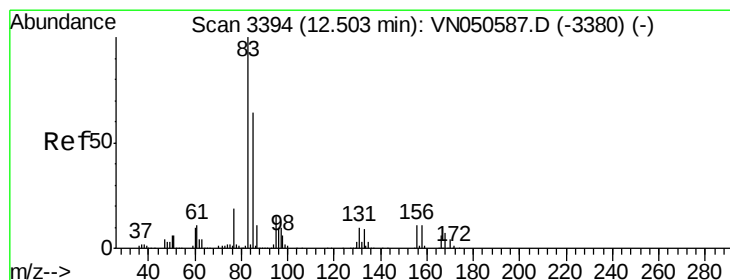
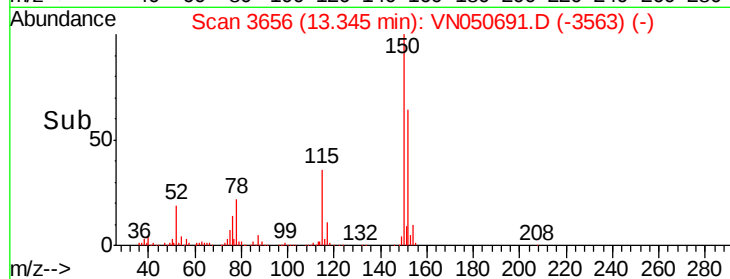
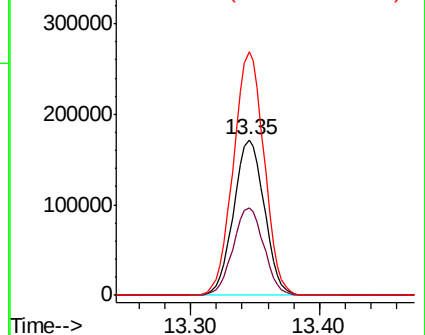
150 156.7 0.0 347.8



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

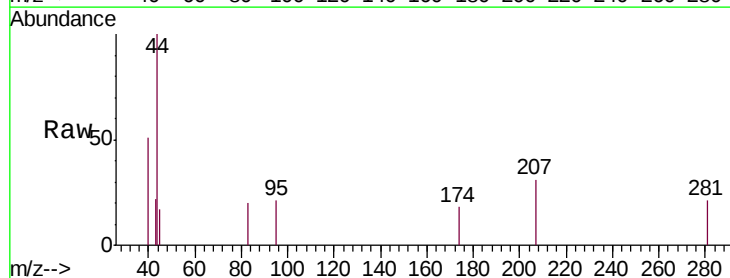
Tgt Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

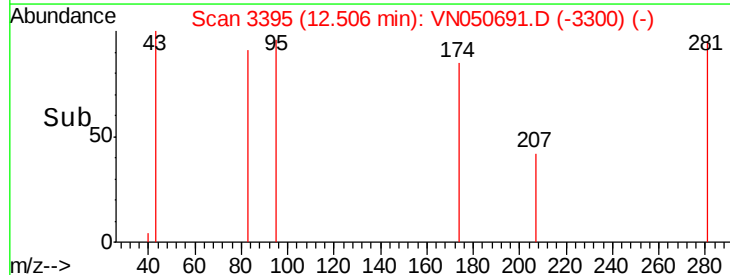
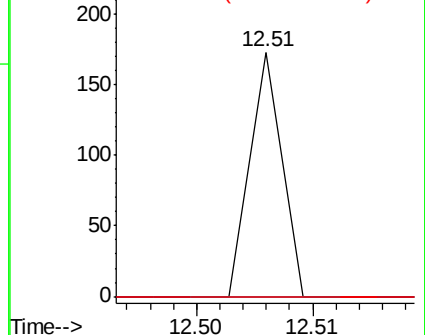
85 0.0 32.1 96.5#

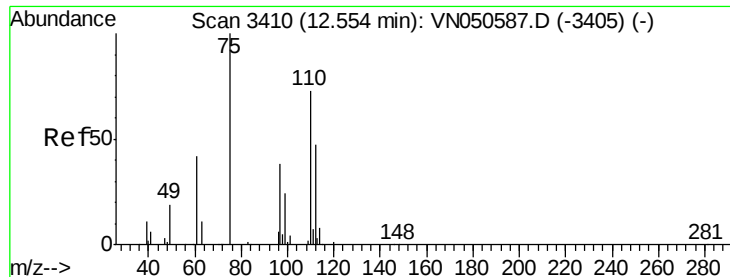


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 36.858 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

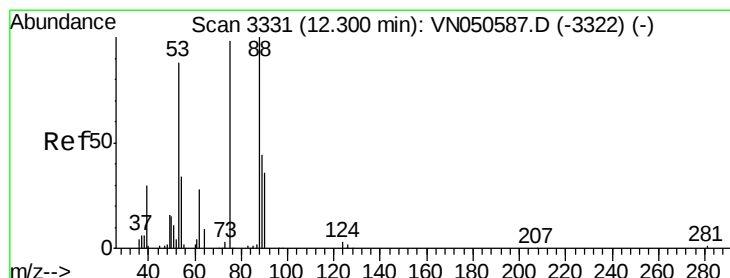
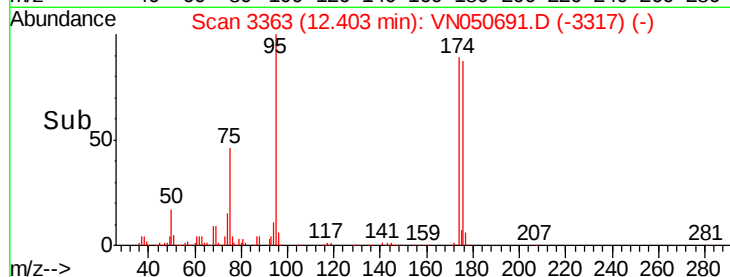
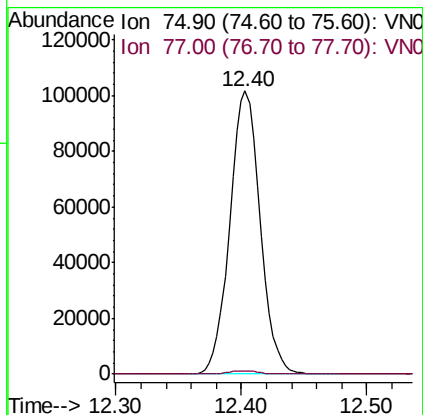
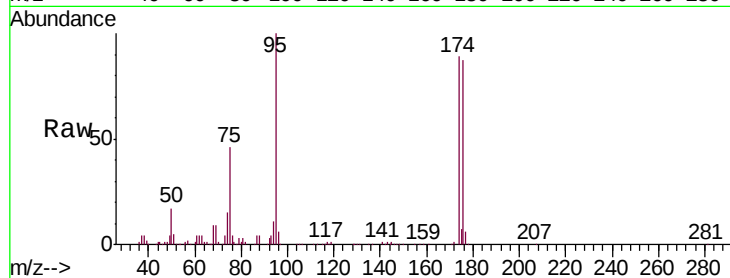
VN0816MBL01

Tgt Ion: 75 Resp: 170447

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.362 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050691.D

Acq: 16 Aug 2018 10:05

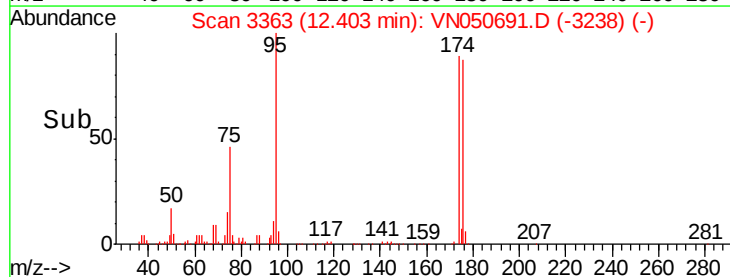
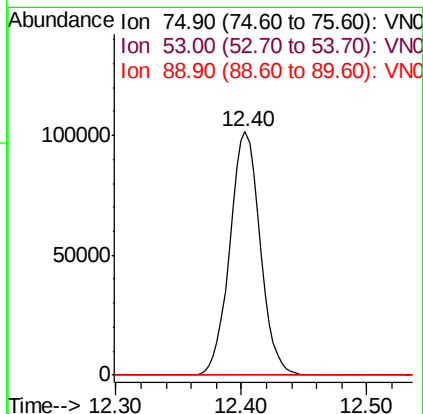
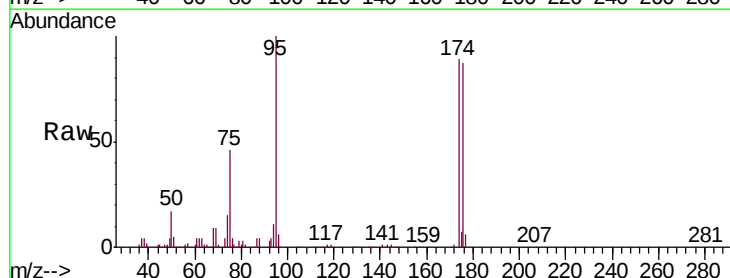
Tgt Ion: 75 Resp: 170447

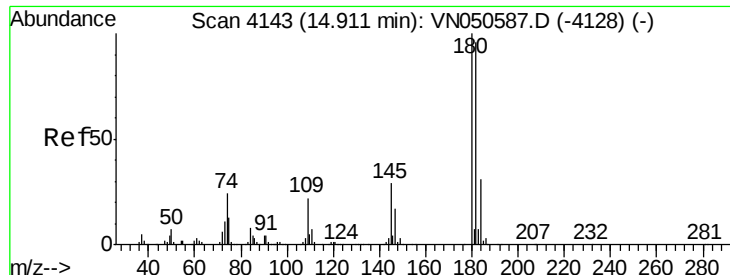
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#

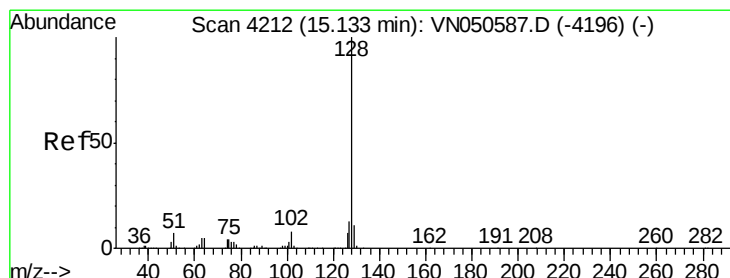
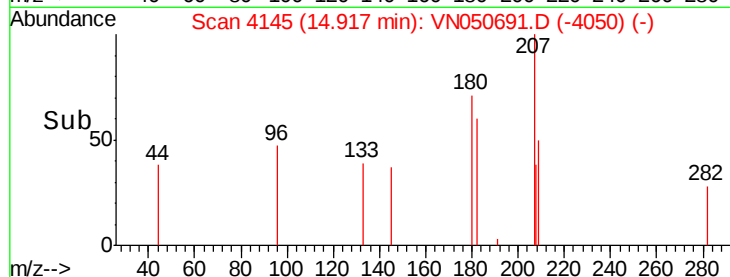
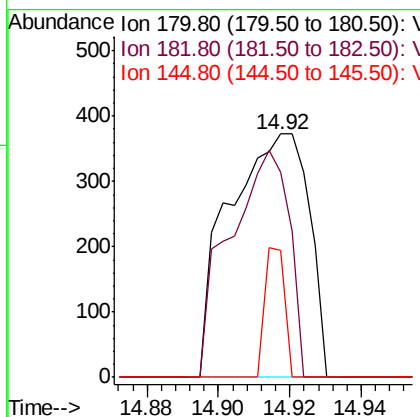
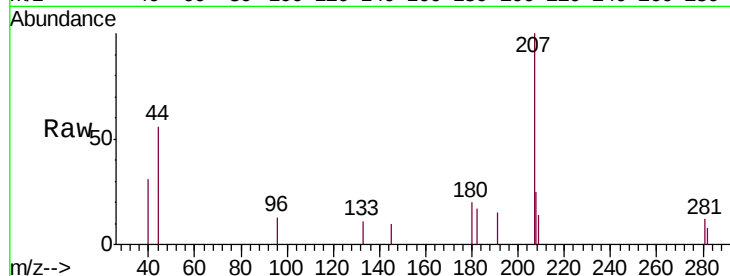




#93
 1,2,4-Trichlorobenzene
 Concen: 2.780 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

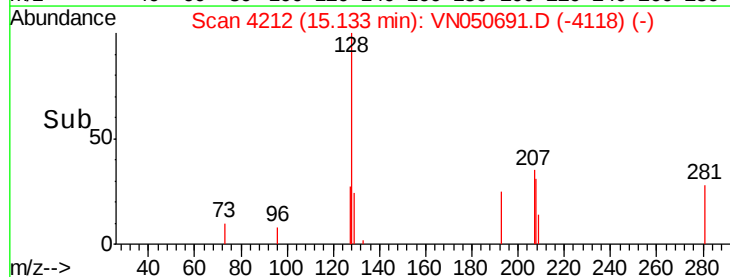
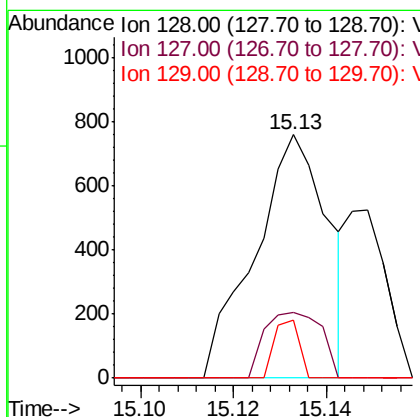
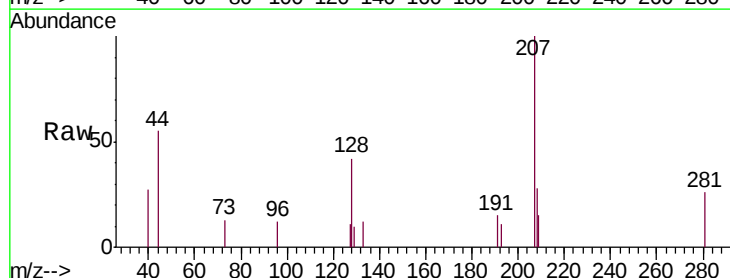
Instrument :
 MSVOA_N
 ClientSampled :
 VN0816MBL01

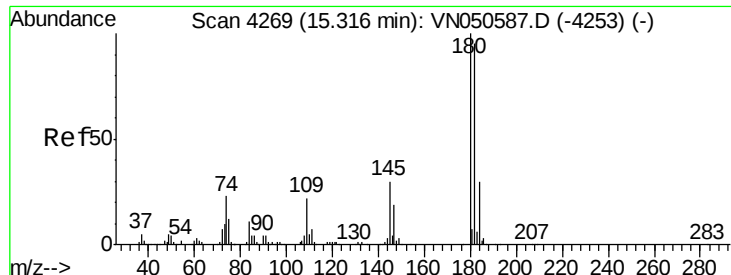
Tgt Ion:180 Resp: 578
 Ion Ratio Lower Upper
 180 100
 182 69.4 47.9 143.7
 145 13.1 14.4 43.4#



#95
 Naphthalene
 Concen: 3.931 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

Tgt Ion:128 Resp: 827
 Ion Ratio Lower Upper
 128 100
 127 21.2 10.3 15.5#
 129 8.1 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.071 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050691.D
 Acq: 16 Aug 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.8
145	10.6	14.6	44.0

