

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050641.D
 Acq On : 15 Aug 2018 9:28
 Operator : MD\SY
 Sample : VN0815MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815MBL01

Quant Time: Aug 16 01:24:28 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	620072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	841610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293324	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	413543	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	384524	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	10.09	98	1380949	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	12.40	95	369865	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	

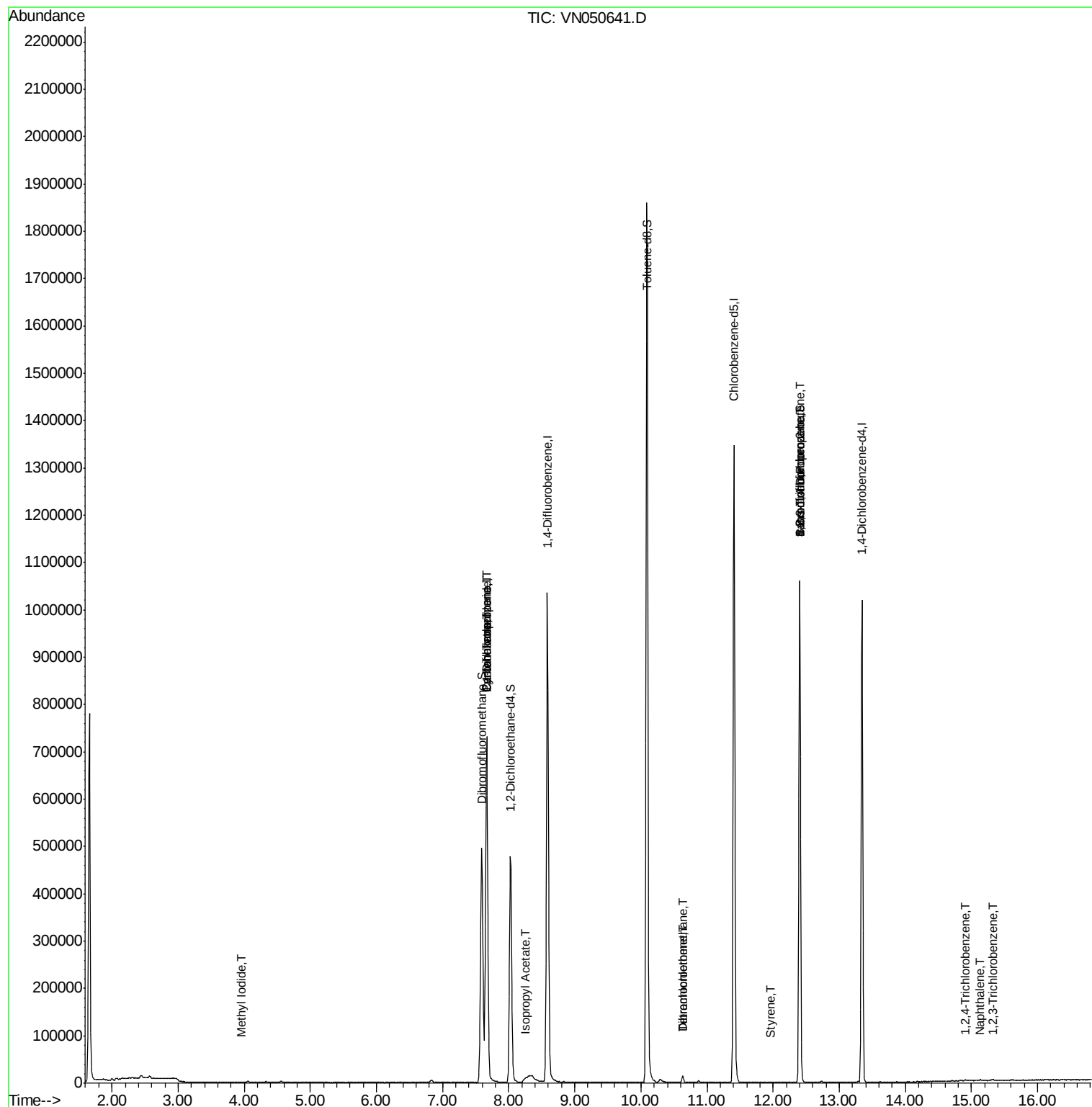
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2672	Below Cal	#	87
5) Bromomethane	2.57	94	3294	Below Cal		99
6) Chloroethane	2.71	64	325	Below Cal	#	43
10) Methyl Iodide	3.96	142	1375	7.17	ug/l	# 66
16) Acetone	3.81	43	526	Below Cal	#	41
18) Methyl Acetate	4.33	43	1880	Below Cal	#	83
20) Methylene Chloride	4.55	84	1399	Below Cal		93
31) Cyclohexane	7.67	56	10931	0.58	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	42202	3.90	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	55136	4.92	ug/l	# 16
43) Isopropyl Acetate	8.24	43	3743	0.34	ug/l	# 60
60) Dibromochloromethane	10.63	129	3103	0.38	ug/l	# 10
64) Tetrachloroethene	10.64	164	3671	0.47	ug/l	92
70) Styrene	11.97	104	246	0.95	ug/l	# 46
71) Bromoform	12.40	173	3214	0.62	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	174767	36.60	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	174767	132.46	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.90	180	345	2.74	ug/l	# 22
95) Naphthalene	15.13	128	1884	4.01	ug/l	# 86
96) 1,2,3-Trichlorobenzene	15.32	180	894	2.11	ug/l	# 88

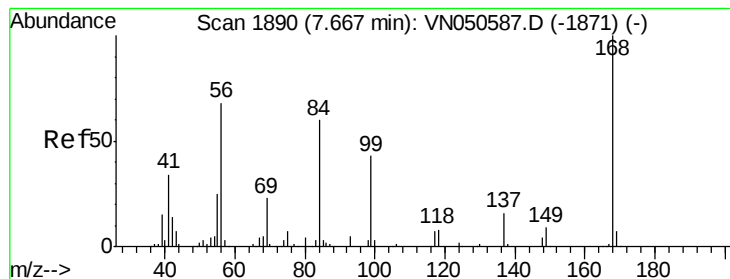
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 15 Aug 2018 9:28
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 16 01:24:28 2018
Quant Method : Z:\V0ASRV\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: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

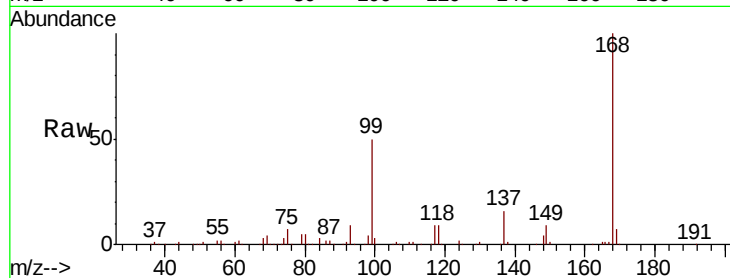
VN0815MBL01

Tot Ion:168 Resp: 620072

Ion Ratio Lower Upper

168 100

99 50.0 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

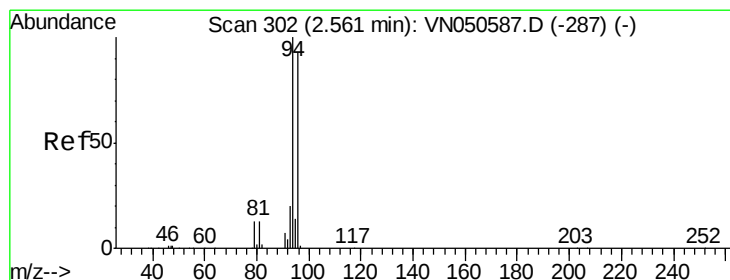
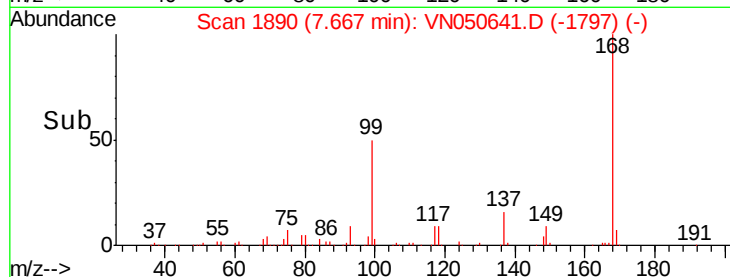
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050641.D

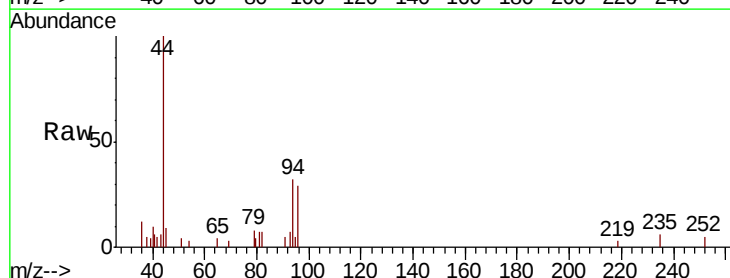
Acq: 15 Aug 2018 9:28

Tgt Ion: 94 Resp: 3294

Ion Ratio Lower Upper

94 100

96 91.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

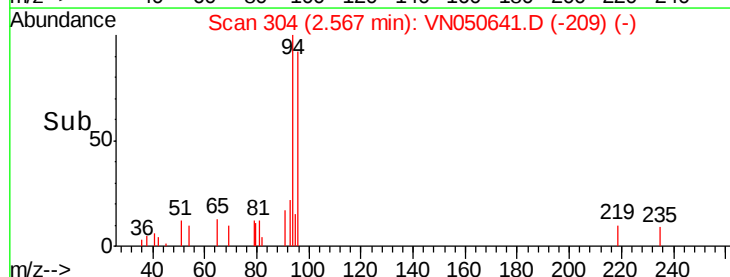
1500

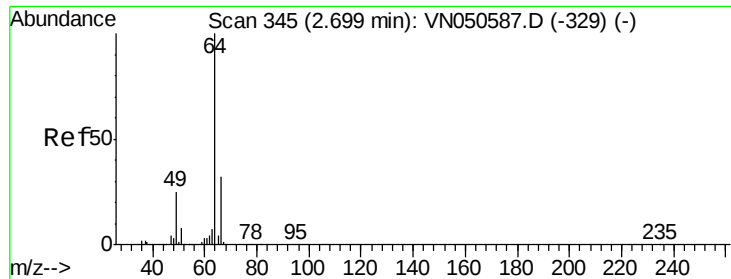
1000

500

0

Time--> 2.50 2.55 2.60





#6

Chloroethane

Concen: Below Cal

RT: 2.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

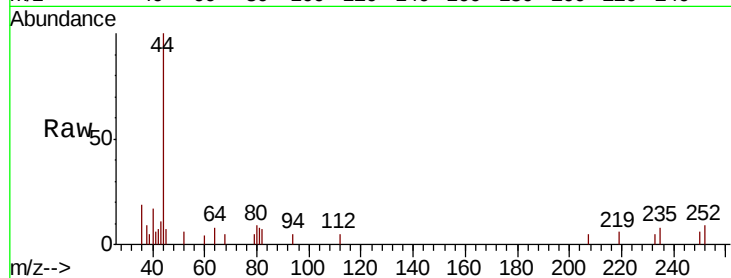
VN0815MBL01

Tot Ion: 64 Resp: 325

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

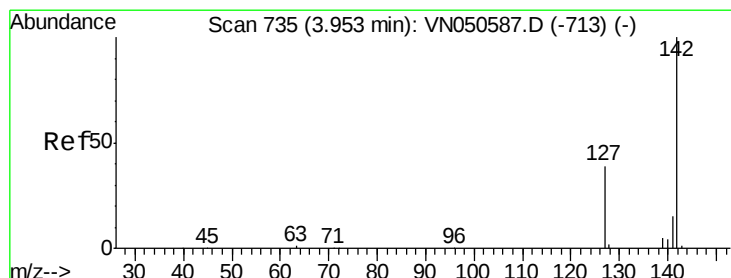
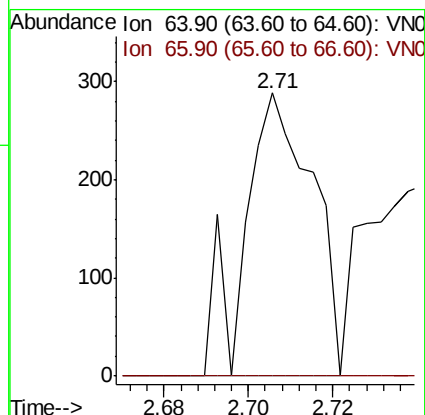
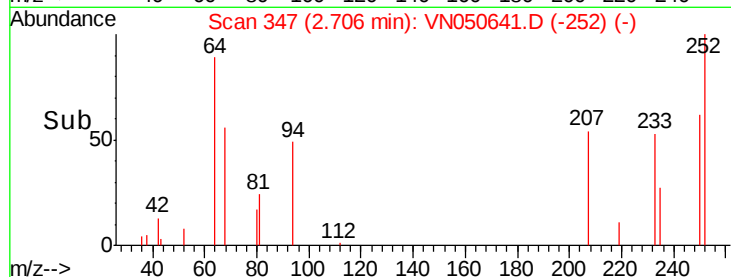


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

2.72



#10

Methyl Iodide

Concen: 7.17 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

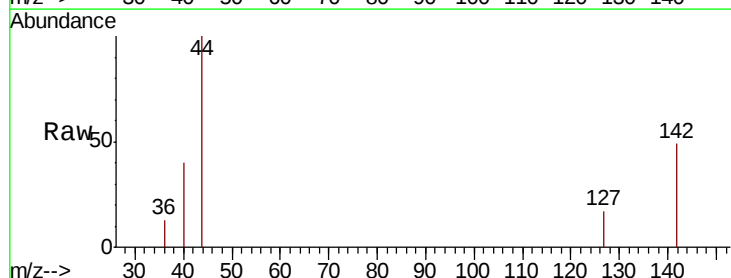
Tgt Ion:142 Resp: 1375

Ion Ratio Lower Upper

142 100

127 20.2 32.6 49.0#

141 0.0 11.5 17.3#



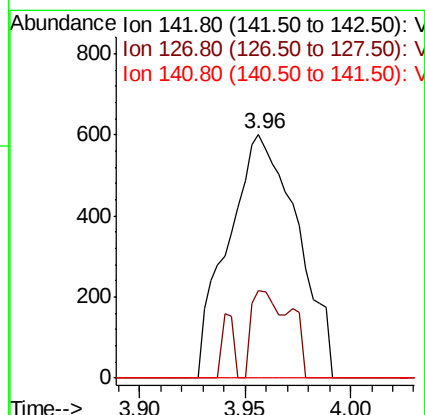
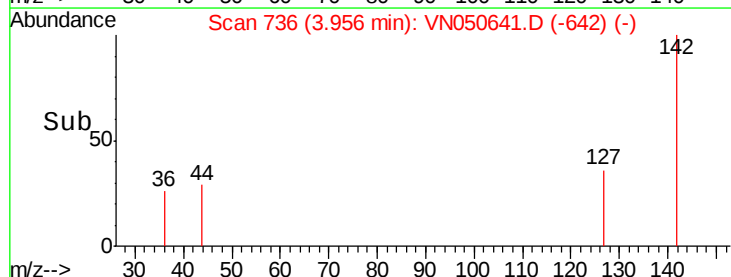
Abundance Ion 141.80 (141.50 to 142.50): V

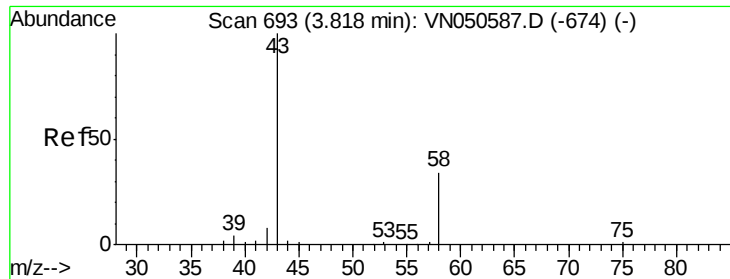
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.96

4.00

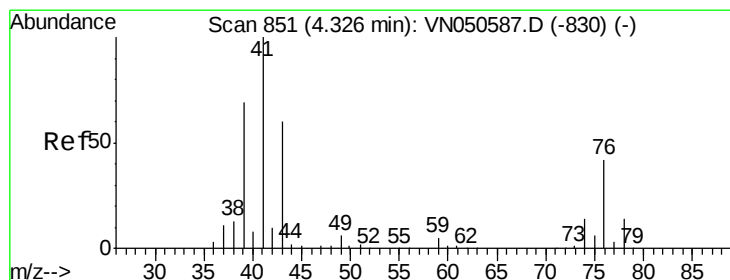
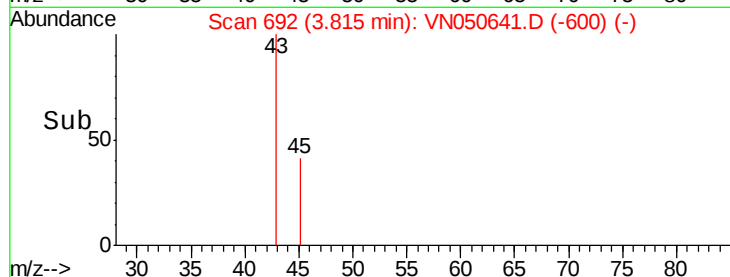
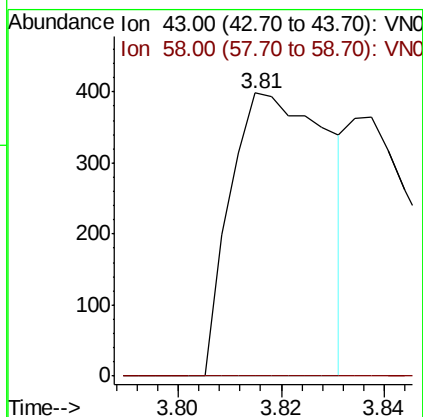
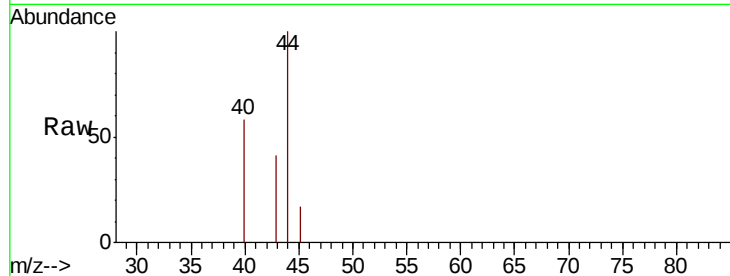




#16
Acetone
Concen: Below Cal
RT: 3.81 min Scan# 692
Delta R.T. -0.00 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

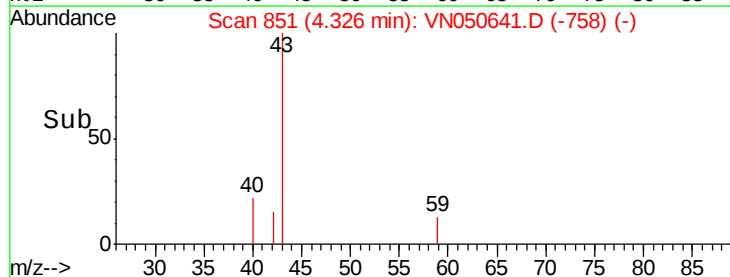
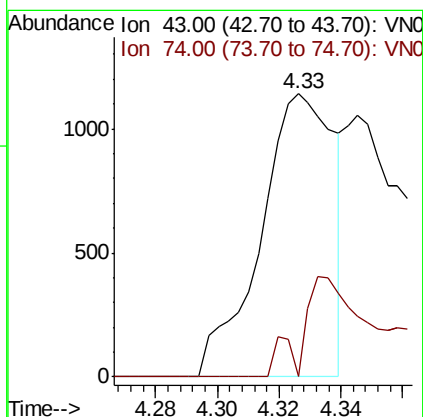
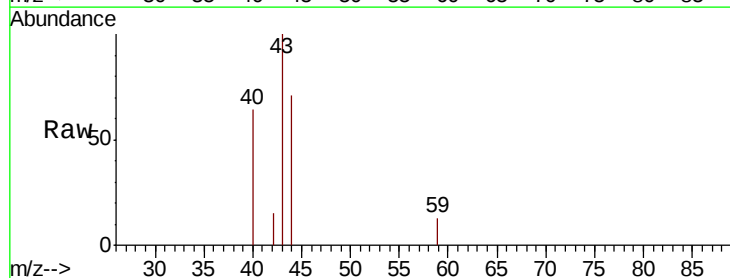
Instrument :
MSVOA_N
ClientSampled :
VN0815MBL01

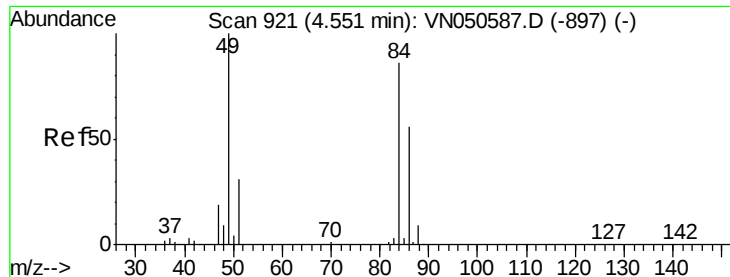
Tot Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
74 33.3 19.7 29.5#

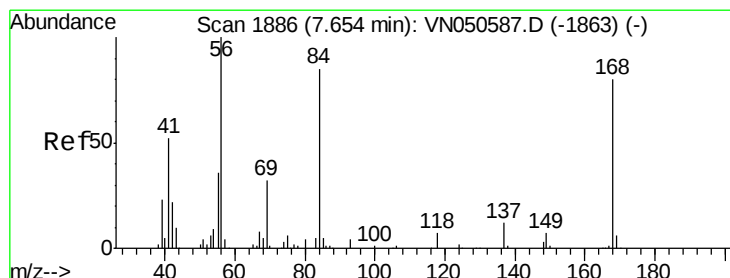
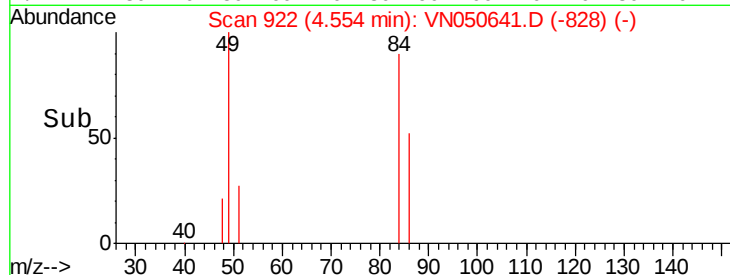
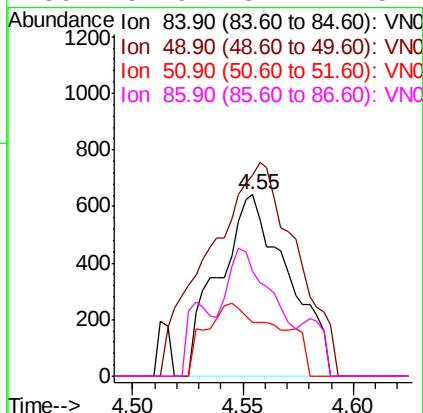
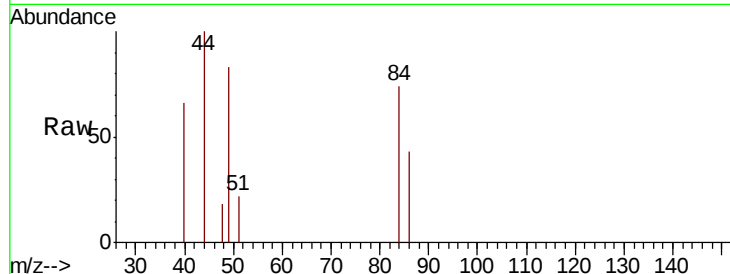




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

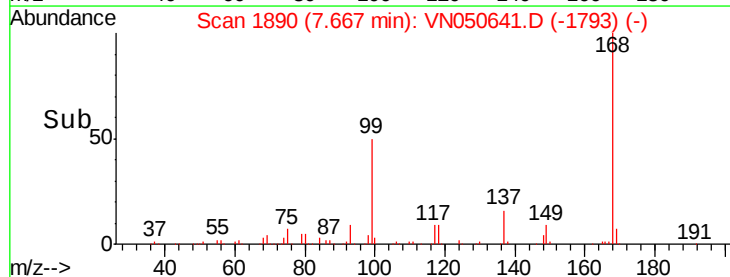
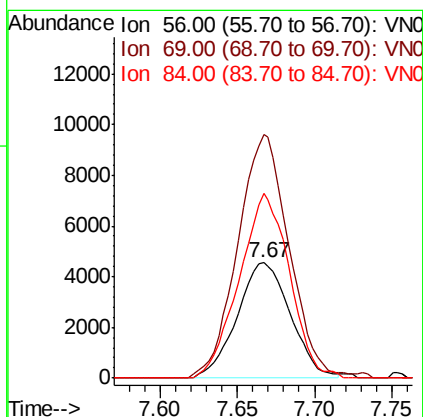
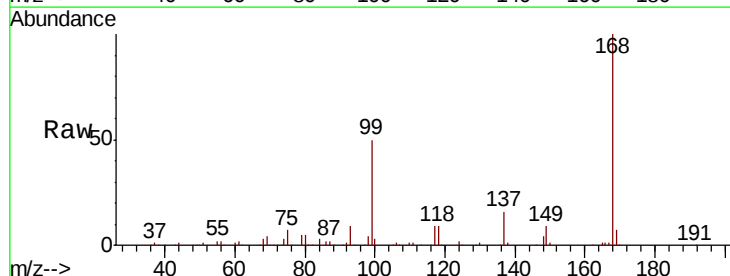
Instrument :
MSVOA_N
ClientSampleId :
VN0815MBL01

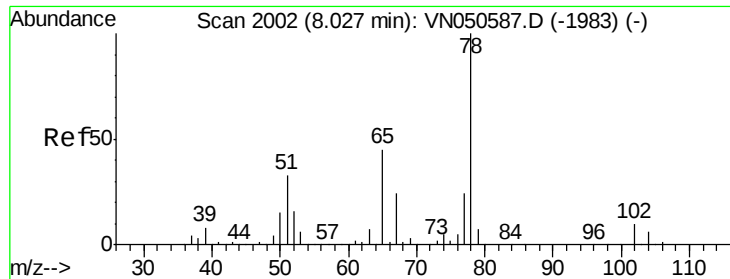
Tot Ion:	84	Resp:	1399
Ion	Ratio	Lower	Upper
84	100		
49	110.9	92.6	138.8
51	29.6	28.6	43.0
86	57.9	52.2	78.2



#31
Cyclohexane
Concen: 0.58 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Tgt Ion:	56	Resp:	10931
Ion	Ratio	Lower	Upper
56	100		
69	211.7	25.8	38.6#
84	160.4	67.8	101.6#

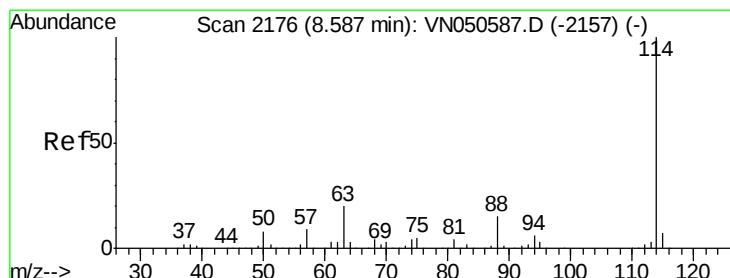
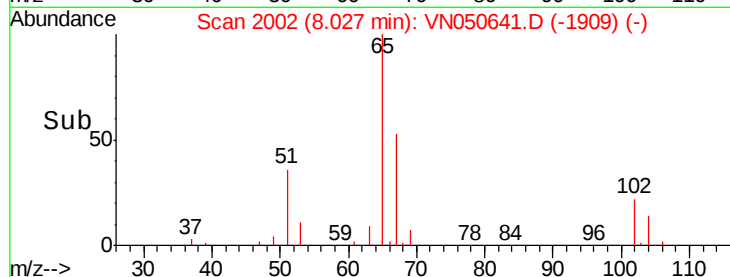
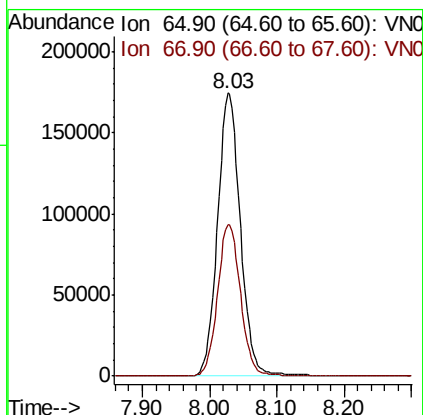
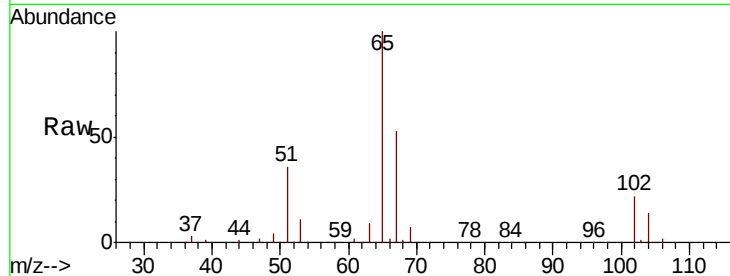




#33
 1,2-Dichloroethane-d4
 Concen: 52.91 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050641.D
 Acq: 15 Aug 2018 9:28

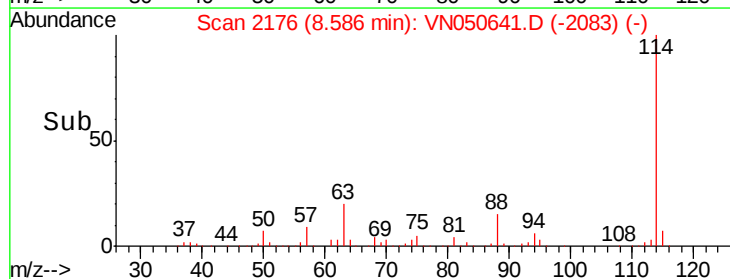
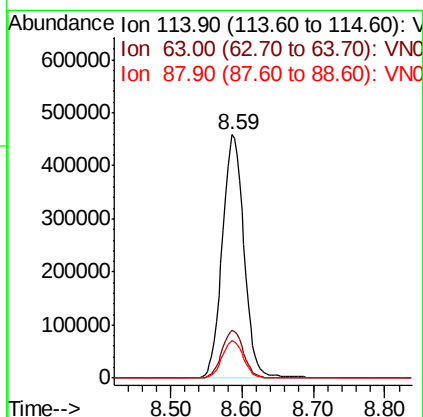
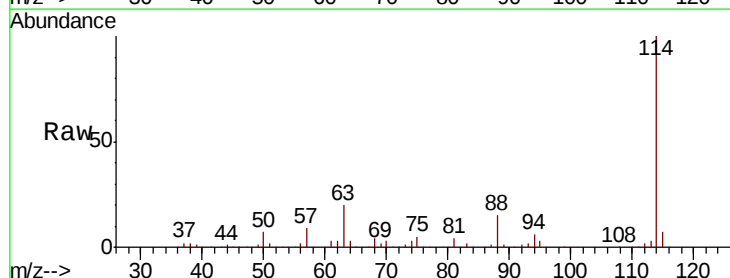
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815MBL01

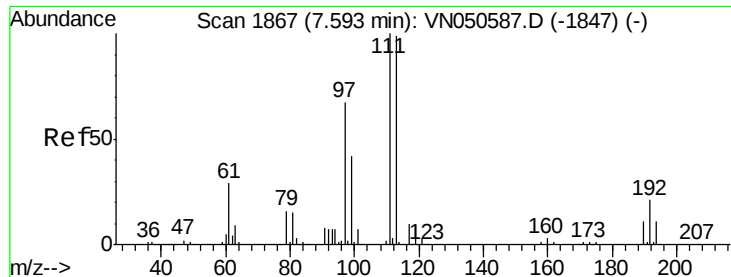
Tot Ion: 65 Resp: 413543
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050641.D
 Acq: 15 Aug 2018 9:28

Tgt Ion: 114 Resp: 971077
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.60 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0815MBL01

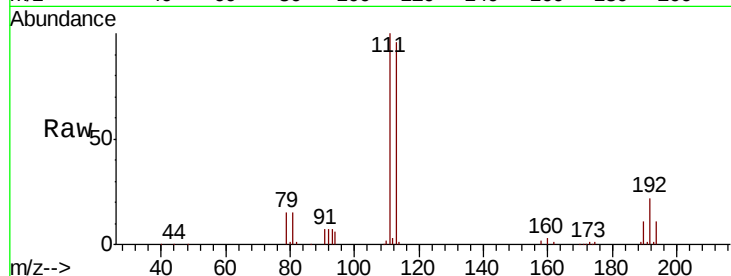
Tot Ion:113 Resp: 384524

Ion Ratio Lower Upper

113 100

111 103.9 81.0 121.6

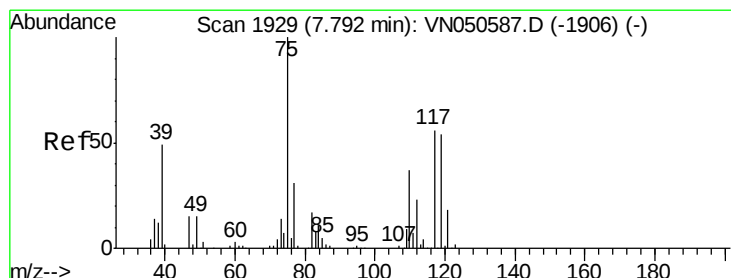
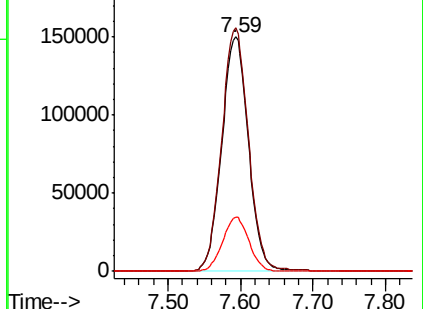
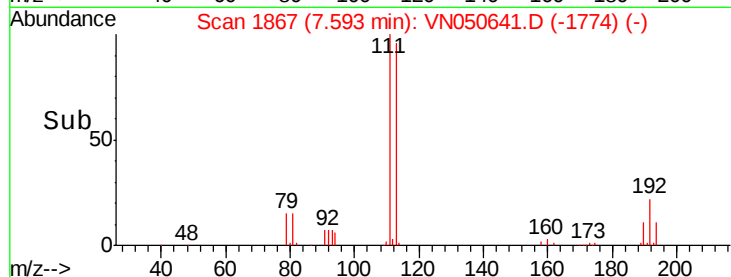
192 22.9 17.6 26.4



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: 3.90 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

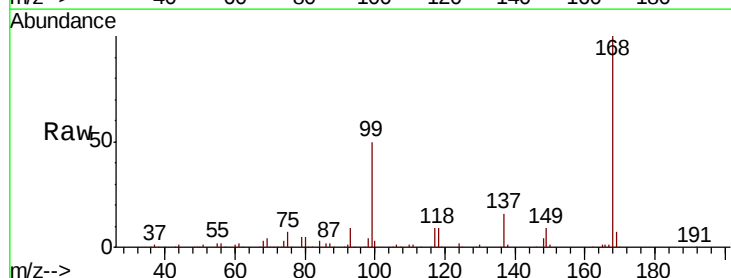
Tgt Ion: 75 Resp: 42202

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.9#

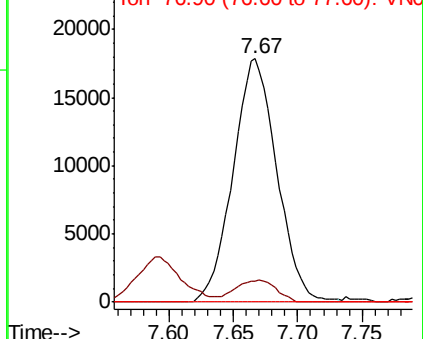
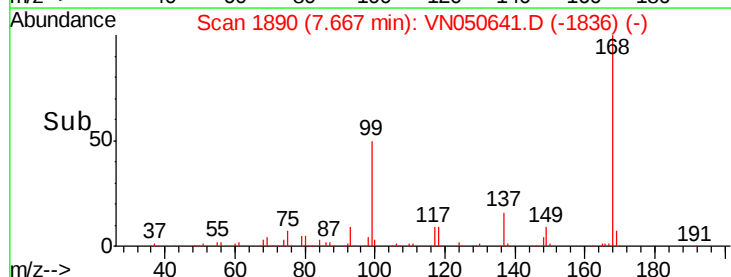
77 0.0 25.0 37.4#

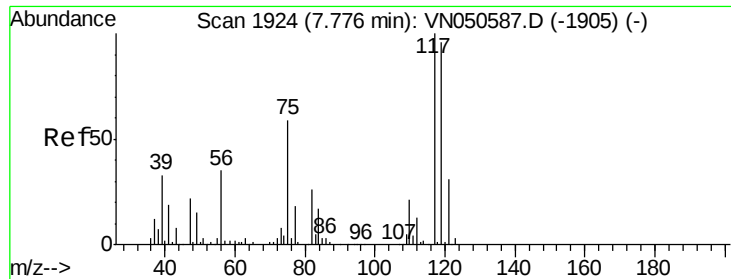


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

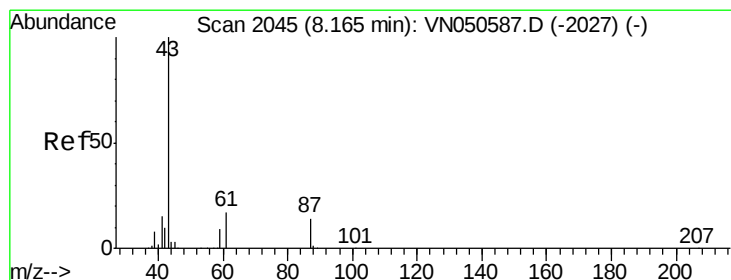
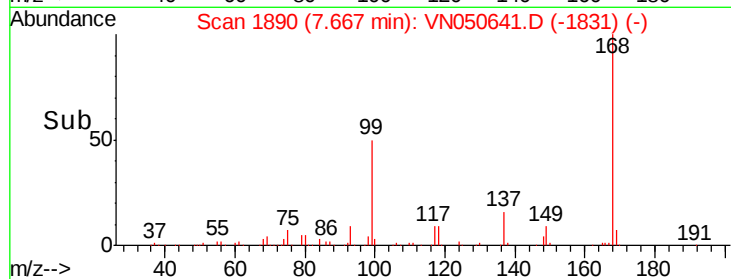
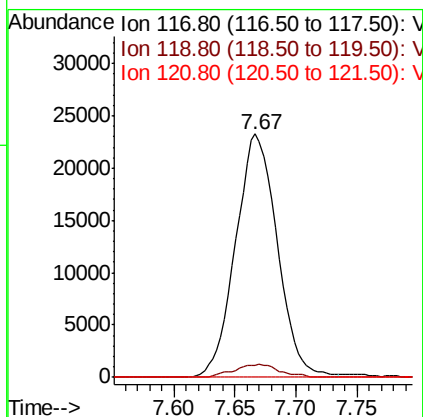
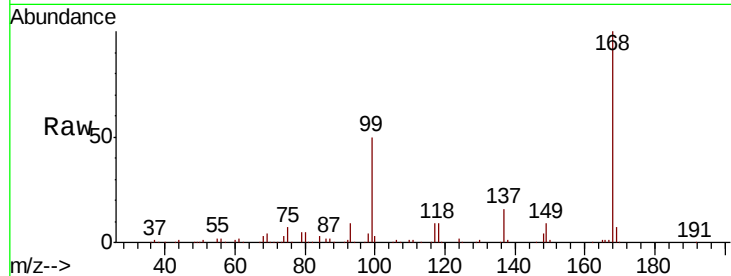




#38
Carbon Tetrachloride
Concen: 4.92 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

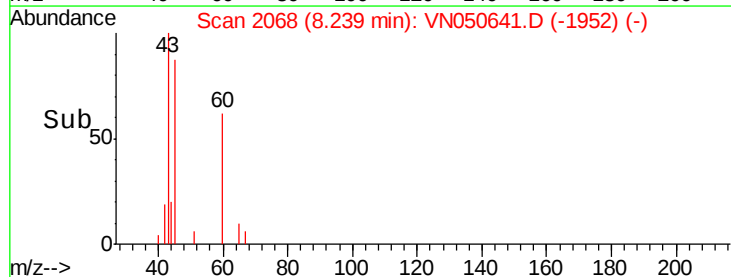
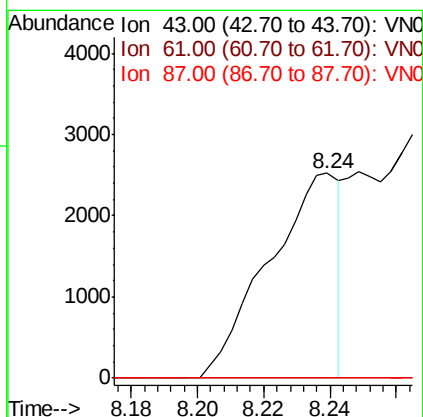
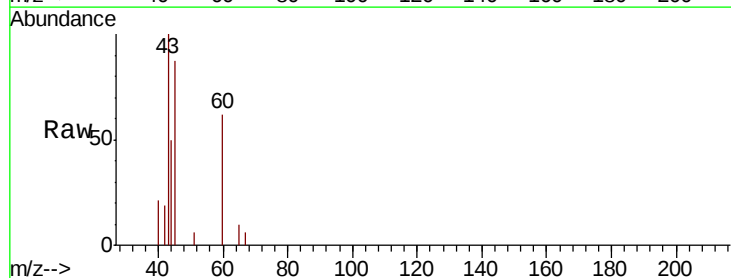
Instrument :
MSVOA_N
ClientSampled :
VN0815MBL01

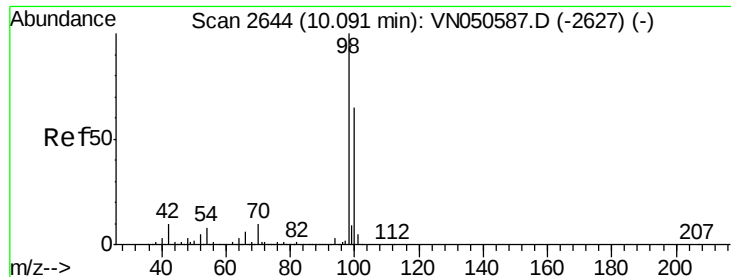
Tot Ion:117 Resp: 55136
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.34 ug/l
RT: 8.24 min Scan# 2068
Delta R.T. 0.07 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Tgt Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
61 0.0 16.2 24.2#
87 0.0 10.9 16.3#





#50

Toluene-d8

Concen: 47.33 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

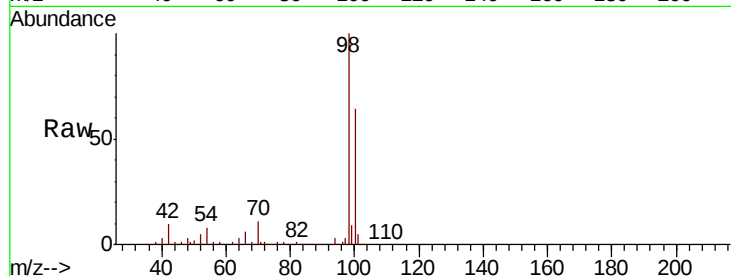
VN0815MBL01

Tot Ion: 98 Resp: 1380949

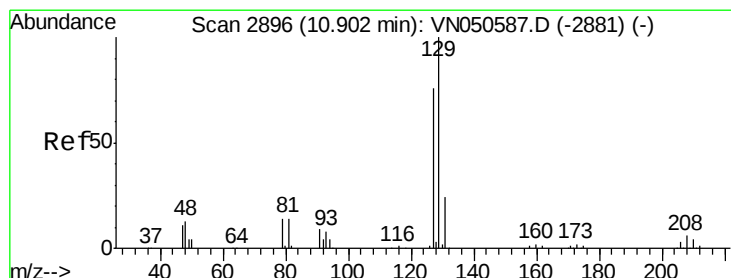
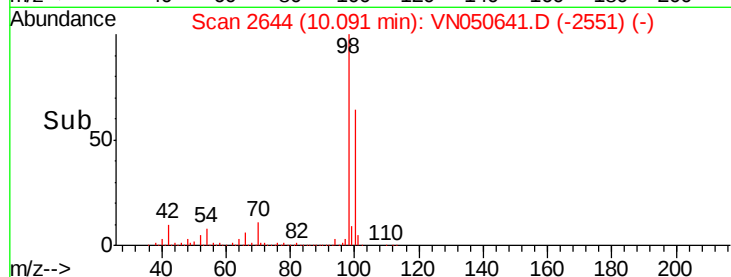
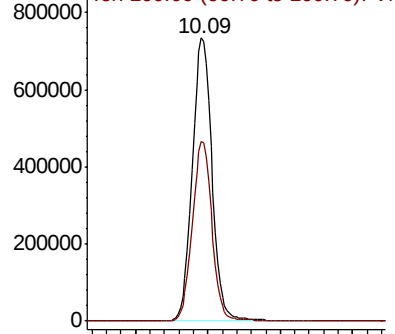
Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)



#60

Dibromochloromethane

Concen: 0.38 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN050641.D

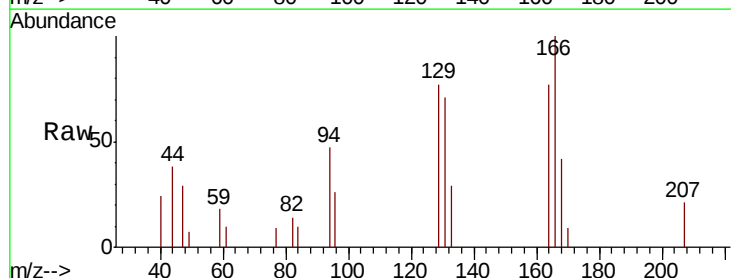
Acq: 15 Aug 2018 9:28

Tgt Ion: 129 Resp: 3103

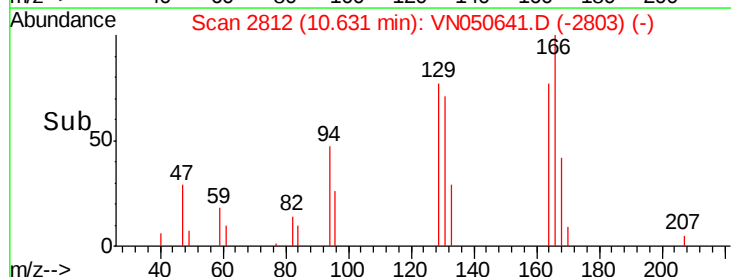
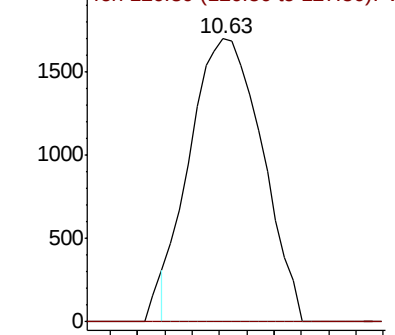
Ion Ratio Lower Upper

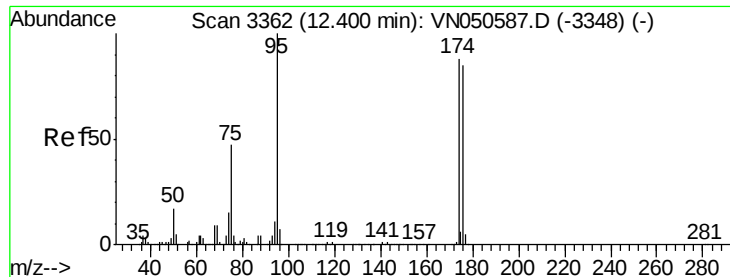
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VN050587.D (-2881) (-)





#62

4-Bromofluorobenzene

Concen: 38.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0815MBL01

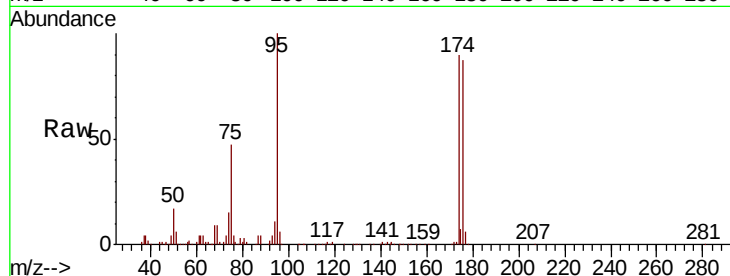
Tot Ion: 95 Resp: 369865

Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.8

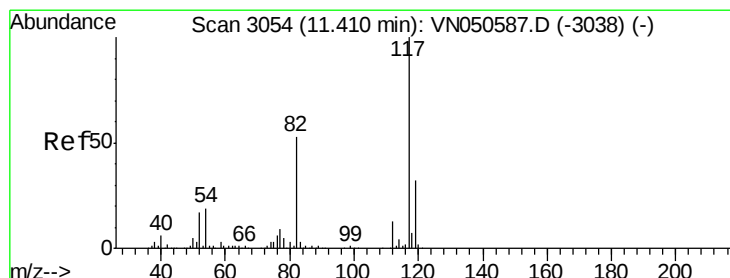
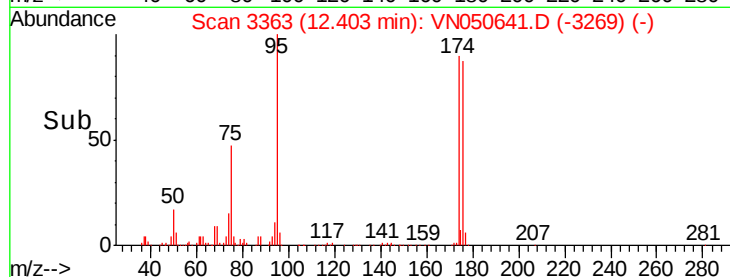
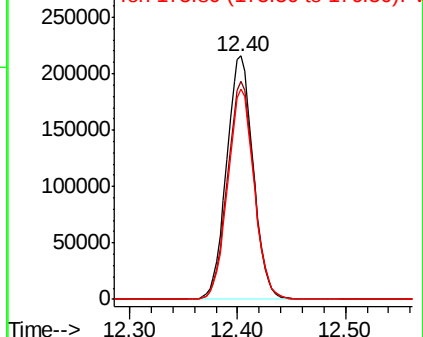
176 85.7 0.0 175.0



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: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

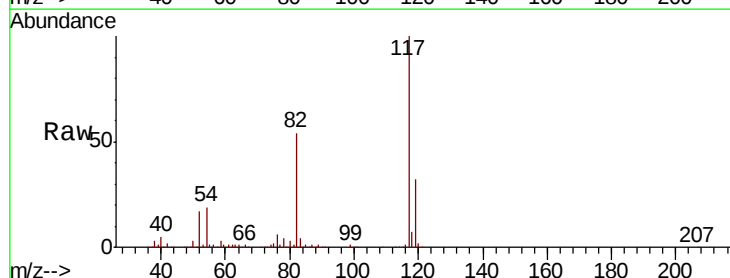
Tgt Ion: 117 Resp: 841610

Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

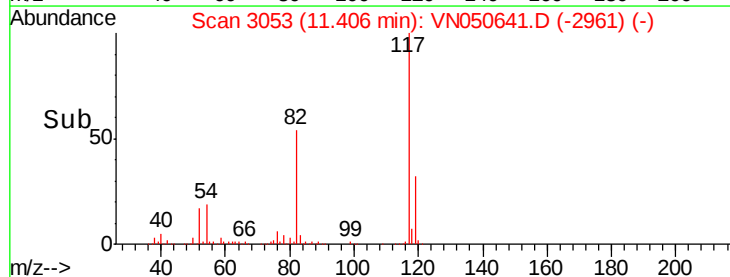
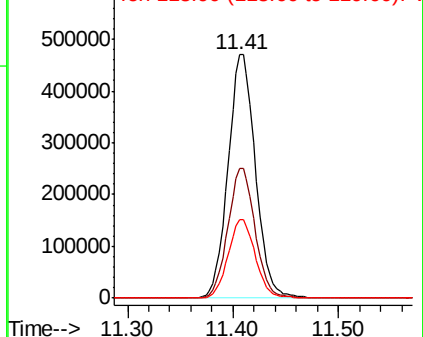
119 32.0 25.8 38.8

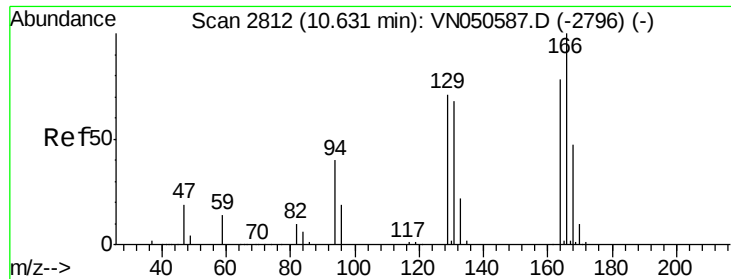


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

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

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





#64

Tetrachloroethene

Concen: 0.47 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.01 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0815MBL01

Tot Ion:164 Resp: 3671

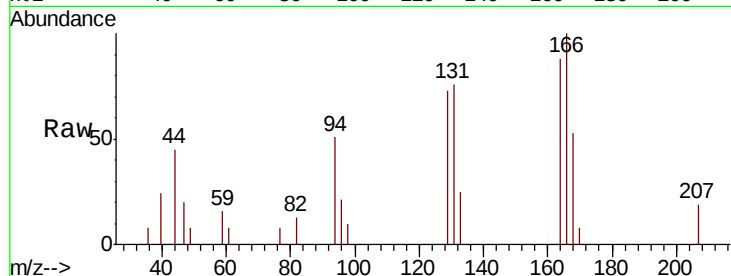
Ion Ratio Lower Upper

164 100

166 113.1 102.1 153.1

129 82.3 72.7 109.1

131 85.6 69.9 104.9

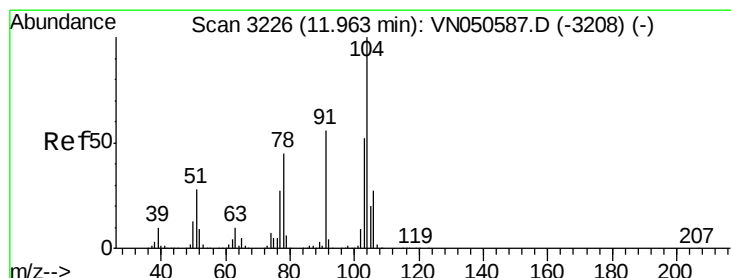
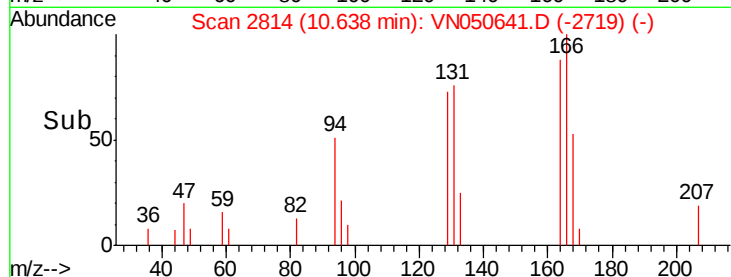
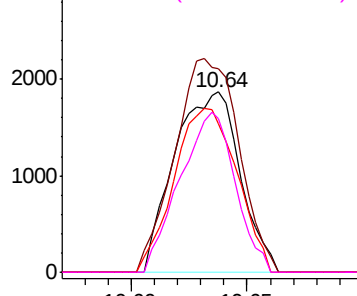


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#70

Styrene

Concen: 0.95 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.01 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

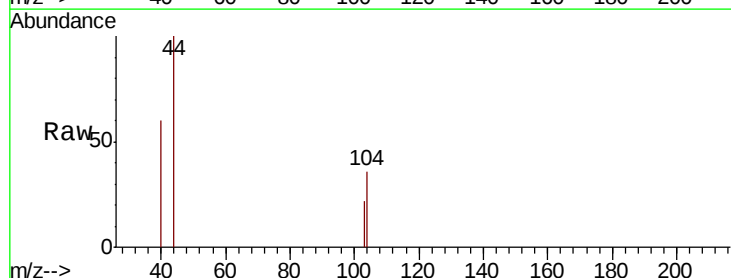
Tgt Ion:104 Resp: 246

Ion Ratio Lower Upper

104 100

78 0.0 39.1 58.7#

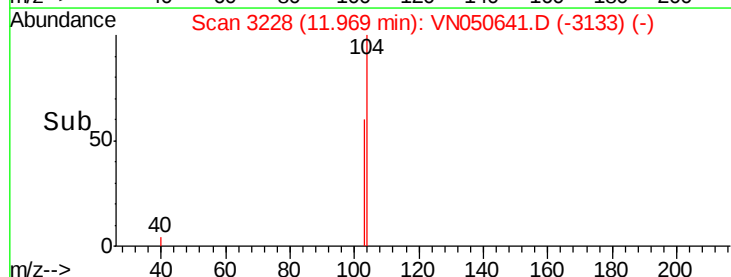
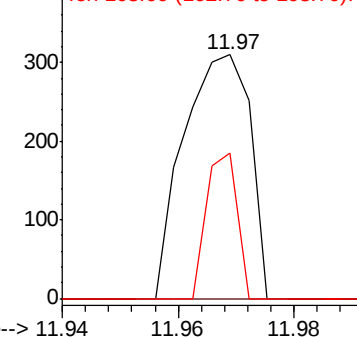
103 27.6 44.9 67.3#

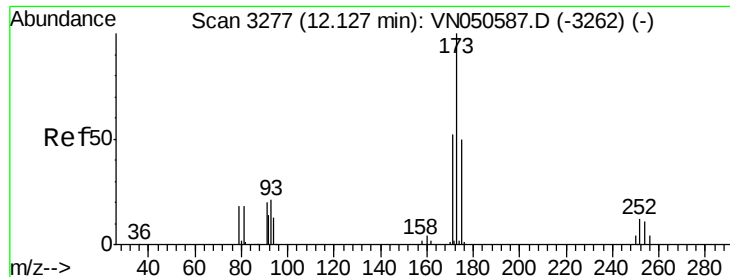


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

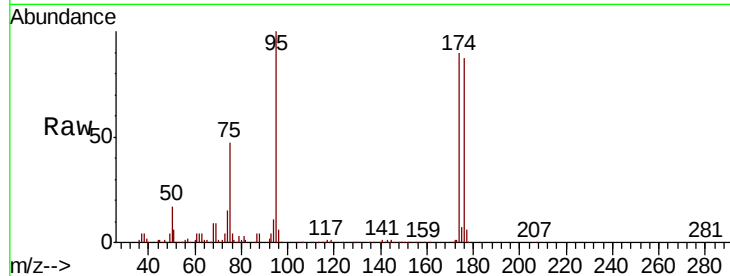




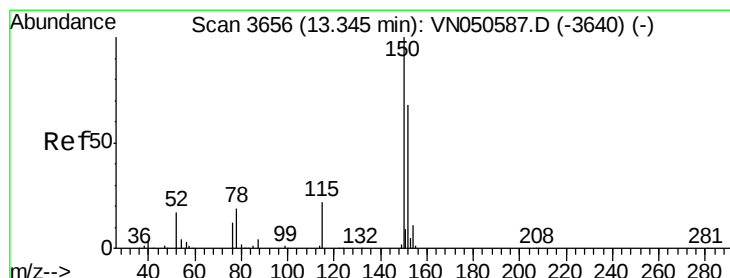
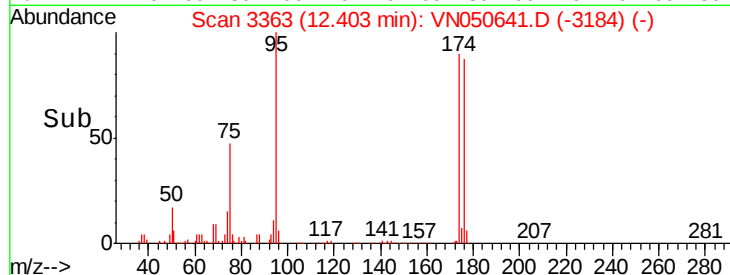
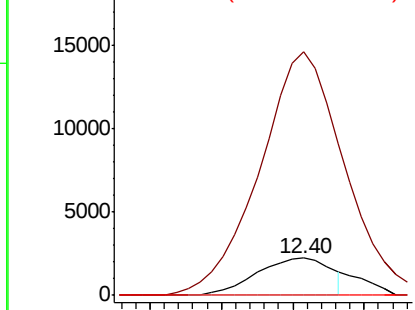
#71
Bromoform
Concen: 0.62 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VN0815MBL01

Tot Ion:173 Resp: 3214
Ion Ratio Lower Upper
173 100
175 630.8 24.4 73.2#
254 0.0 0.0 0.0

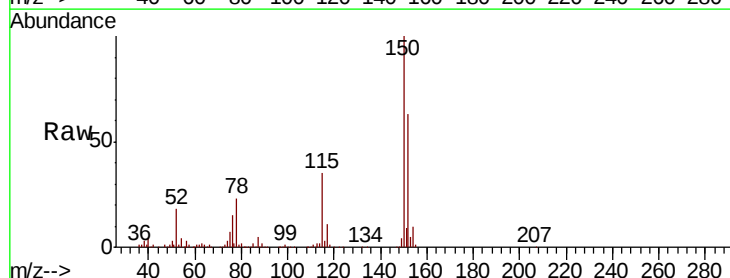


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

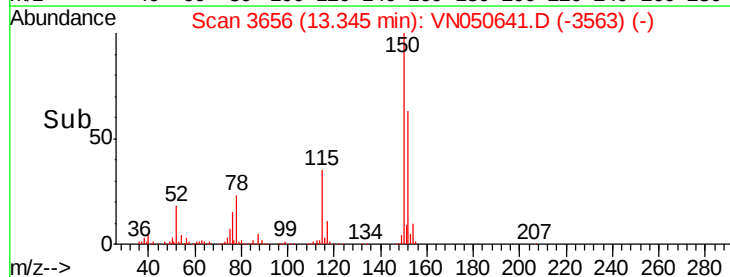
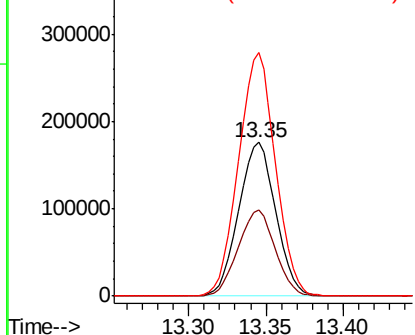


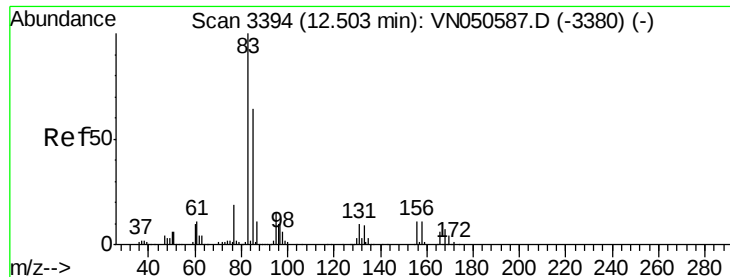
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Tgt Ion:152 Resp: 293324
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.2
150 157.9 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: 12.41 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0815MBL01

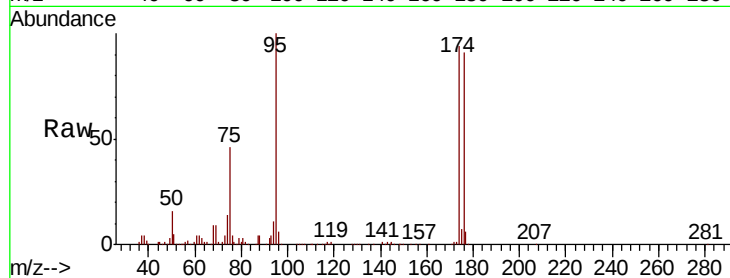
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 1617.2 5.3 15.9#

85 0.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

500

400

300

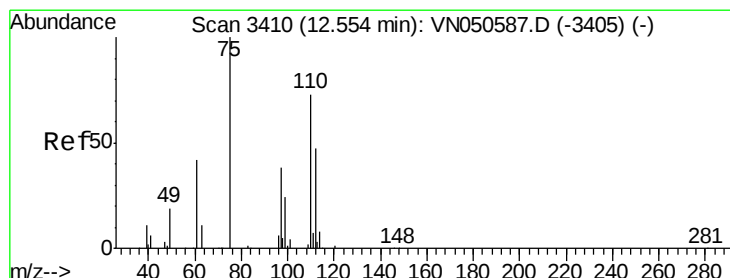
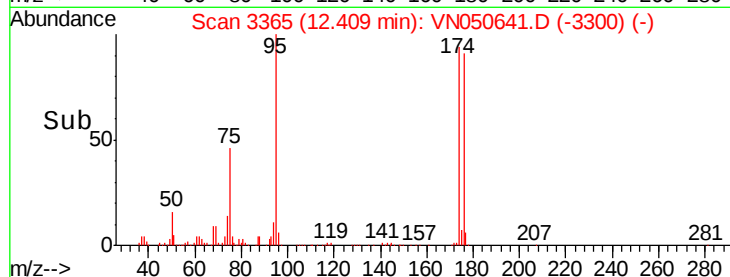
200

100

0

12.40 12.41 12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 36.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050641.D

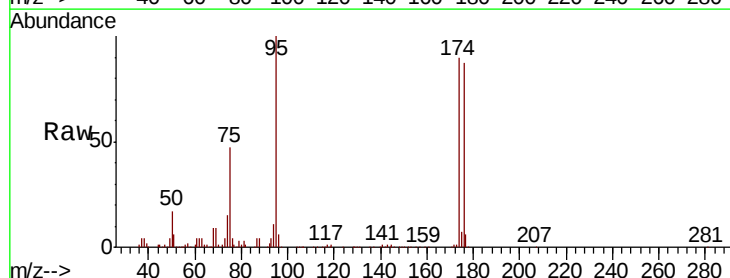
Acq: 15 Aug 2018 9:28

Tgt Ion: 75 Resp: 174767

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

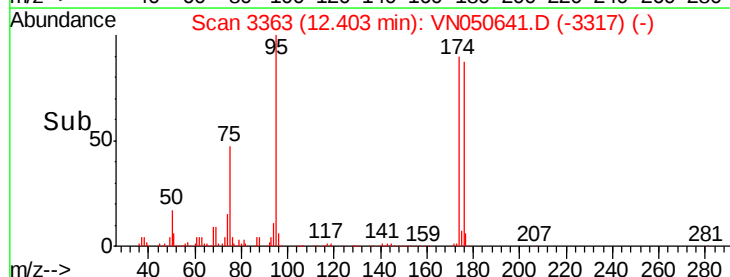
40000

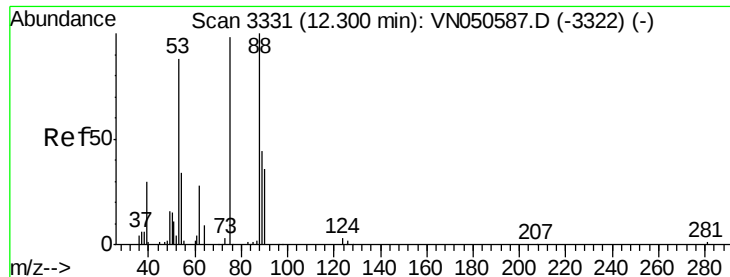
20000

0

12.40 12.50

Time-->

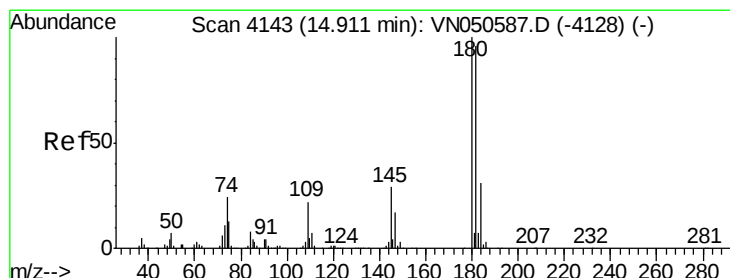
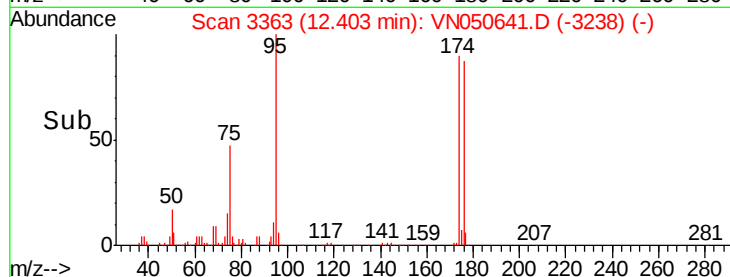
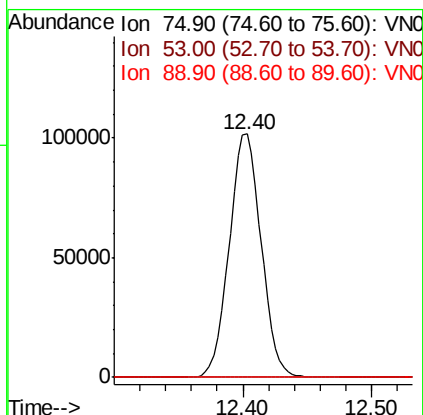
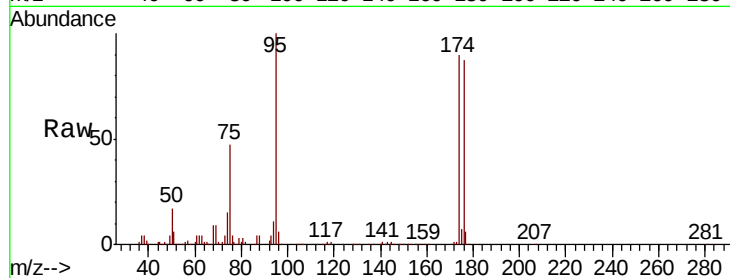




#81
trans-1,4-Dichloro-2-butene
Concen: 132.46 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

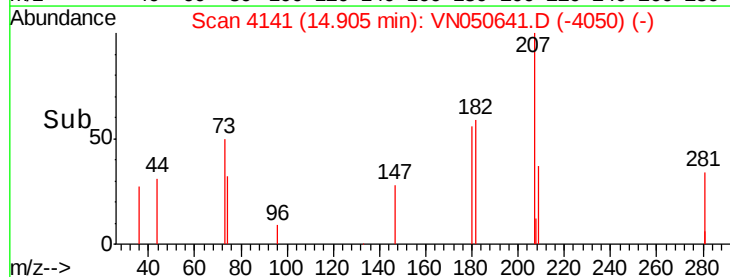
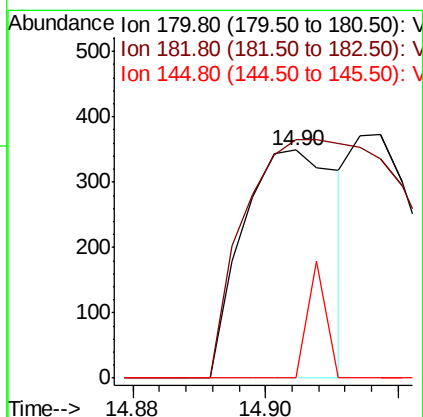
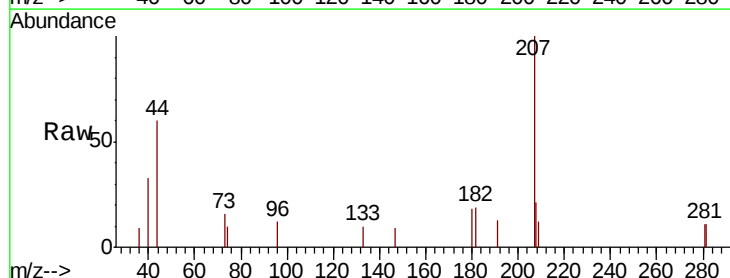
Instrument :
MSVOA_N
ClientSampled :
VN0815MBL01

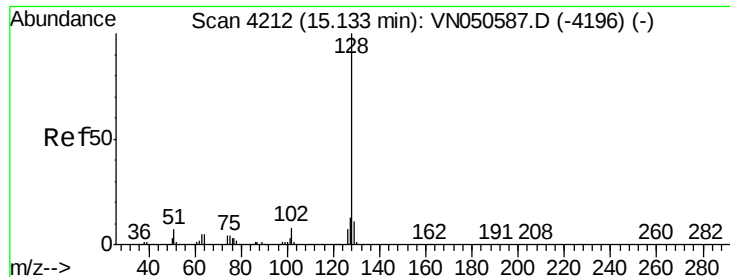
Tot Ion: 75 Resp: 174767
Ion Ratio Lower Upper
75 100
53 0.2 72.2 108.2#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.74 ug/l
RT: 14.90 min Scan# 4141
Delta R.T. -0.01 min
Lab File: VN050641.D
Acq: 15 Aug 2018 9:28

Tgt Ion:180 Resp: 345
Ion Ratio Lower Upper
180 100
182 184.3 47.9 143.7#
145 10.1 14.4 43.4#





#95

Naphthalene

Concen: 4.01 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0815MBL01

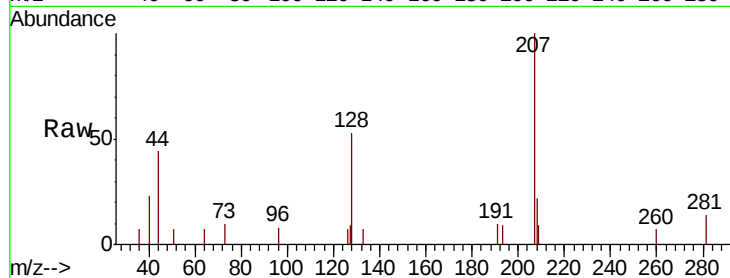
Tot Ion:128 Resp: 1884

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

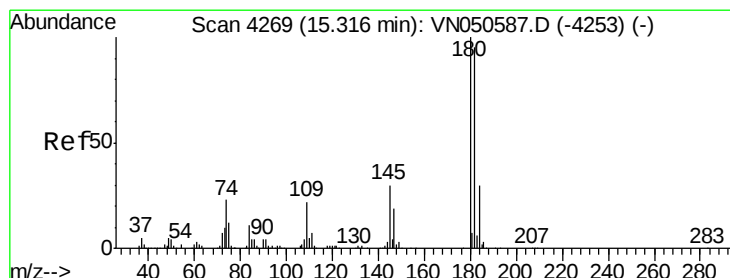
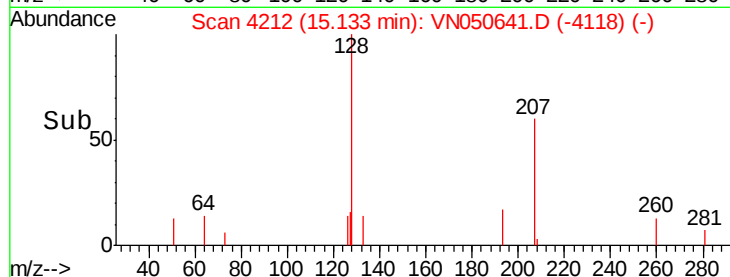
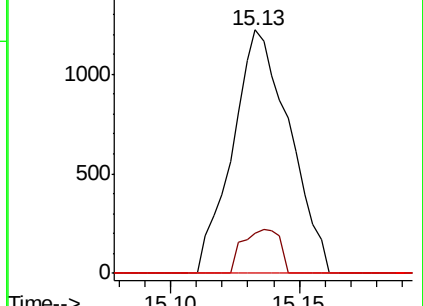
129 0.0 8.5 12.7#



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: 2.11 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050641.D

Acq: 15 Aug 2018 9:28

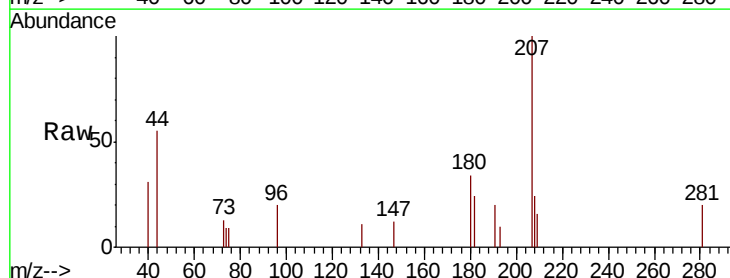
Tgt Ion:180 Resp: 894

Ion Ratio Lower Upper

180 100

182 93.6 47.3 141.8

145 3.4 14.6 44.0#



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

