

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051779.D
 Acq On : 10 Oct 2018 10:19
 Operator : MD\SY
 Sample : VN1010MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBL01

Quant Time: Oct 11 01:52:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

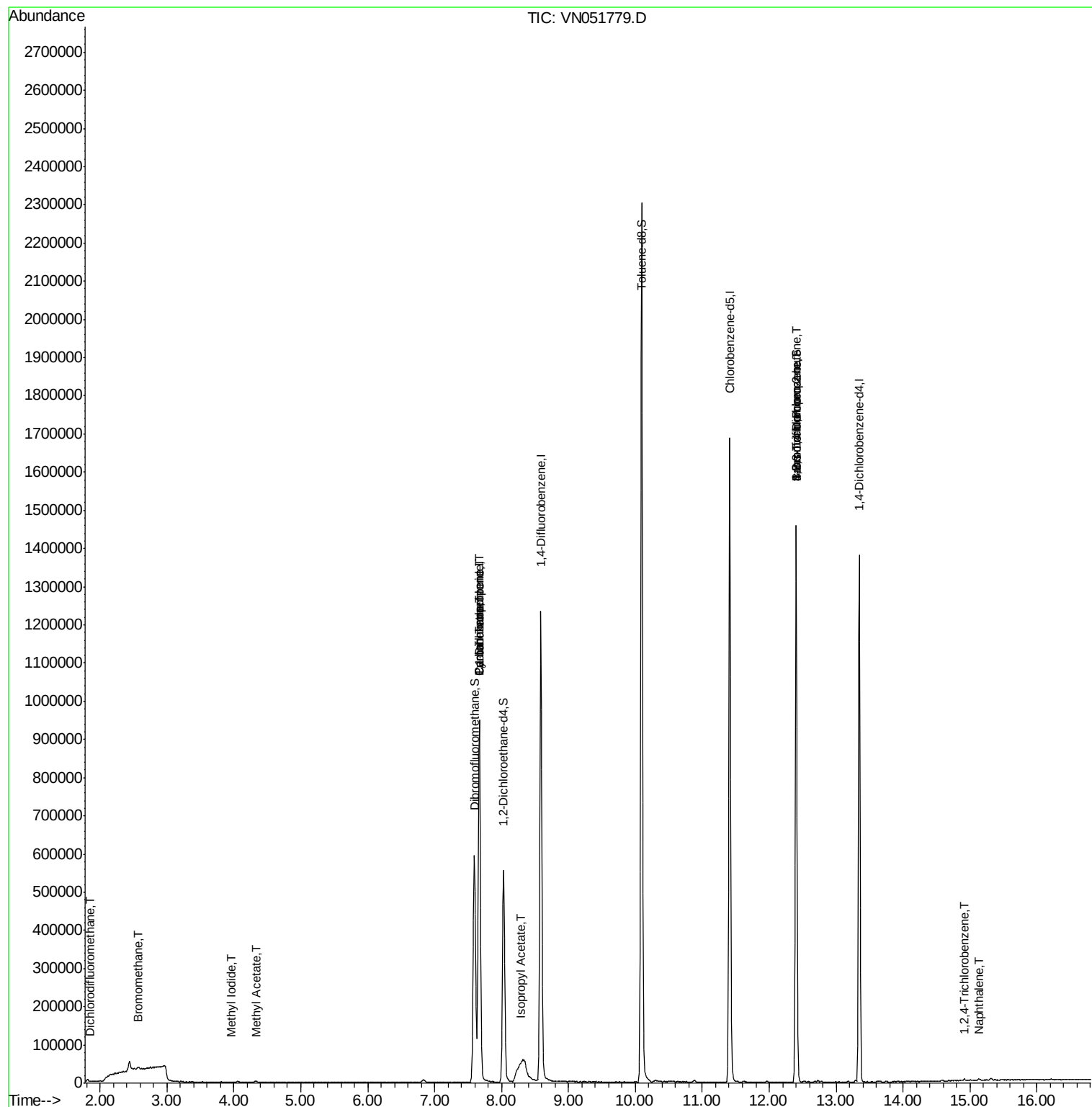
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	820959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1184074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1040455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391826	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	475619	43.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.70%	
35) Dibromofluoromethane	7.59	113	440727	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	10.09	98	1679723	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.40	95	471730	39.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	101	1.159	ug/l #	42
5) Bromomethane	2.56	94	4452	0.392	ug/l #	79
7) Trichlorofluoromethane	3.00	101	410	Below Cal		91
10) Methyl Iodide	3.96	142	200	2.355	ug/l #	41
13) Acrolein	3.61	56	65	Below Cal	#	14
16) Acetone	3.83	43	610	Below Cal	#	48
18) Methyl Acetate	4.34	43	5464	0.913	ug/l #	76
31) Cyclohexane	7.67	56	14414	0.979	ug/l #	13
36) 1,1-Dichloropropene	7.67	75	52839	4.269	ug/l #	49
38) Carbon Tetrachloride	7.67	117	75814	5.105	ug/l #	16
41) Methacrylonitrile	7.17	41	31	Below Cal	#	13
43) Isopropyl Acetate	8.28	43	67381	5.007	ug/l #	59
71) Bromoform	12.40	173	3859	0.503	ug/l #	1
74) N-amyl acetate	12.06	43	20	Below Cal	#	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	64	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	246925	50.782	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	246925	115.841	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.92	180	1597	0.254	ug/l	84
95) Naphthalene	15.14	128	4169	0.307	ug/l #	93

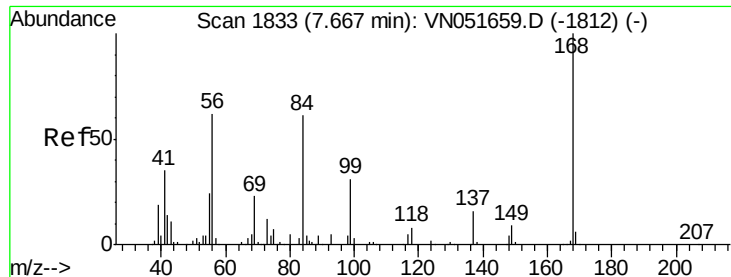
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN101018\
Data File : VN051779.D
Acq On : 10 Oct 2018 10:19
Operator : MD\SY
Sample : VN1010MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBL01

Quant Time: Oct 11 01:52:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

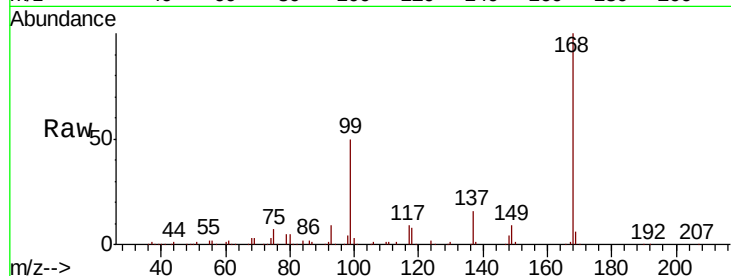
VN1010MBL01

Tot Ion:168 Resp: 820959

Ion Ratio Lower Upper

168 100

99 49.5 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

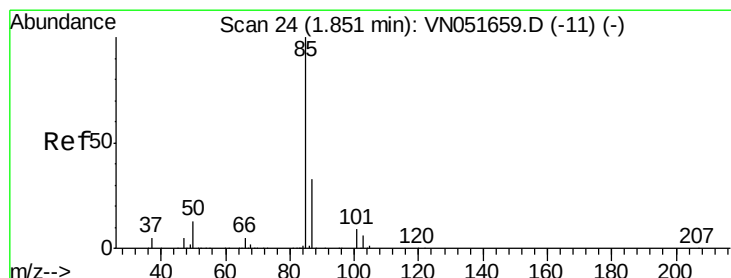
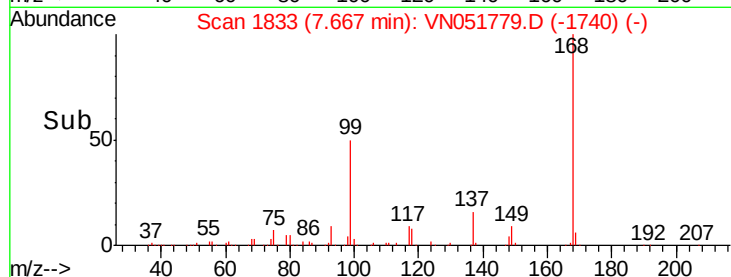
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.159 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051779.D

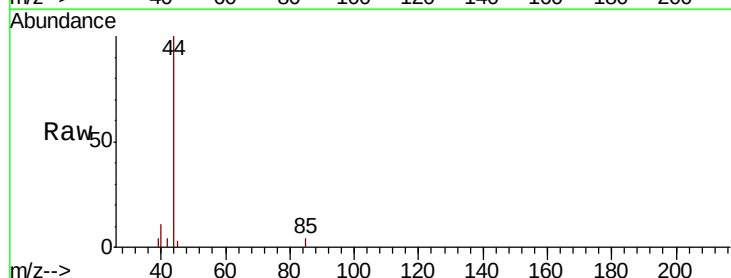
Acq: 10 Oct 2018 10:19

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200

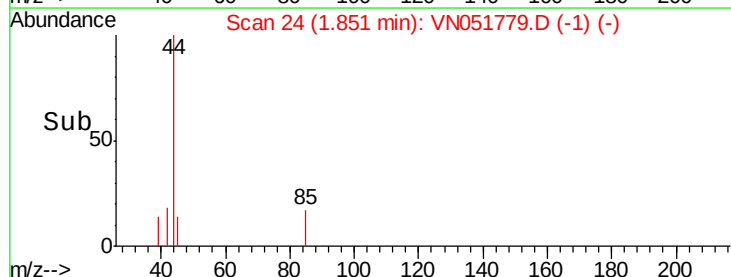
150

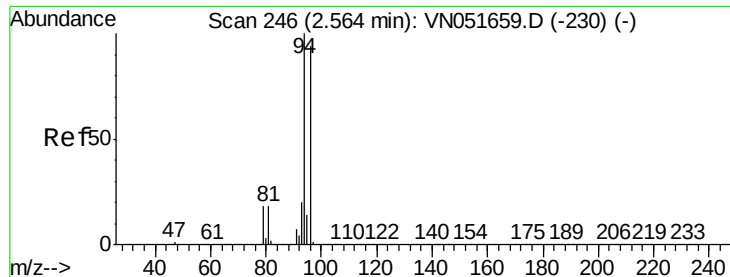
100

50

0

Time-->





#5

Bromomethane

Concen: 0.392 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

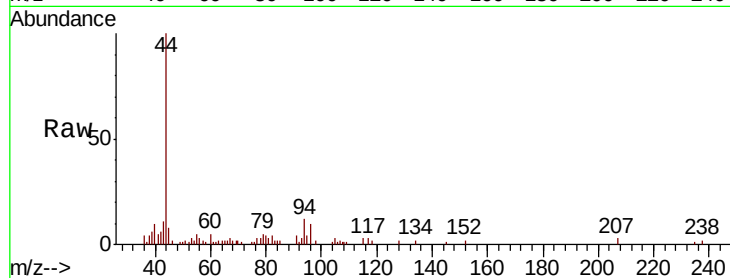
VN1010MBL01

Tot Ion: 94 Resp: 4452

Ion Ratio Lower Upper

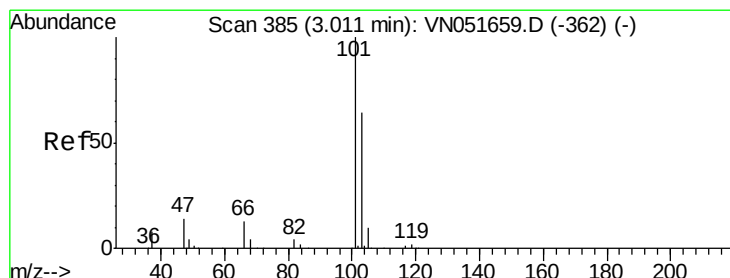
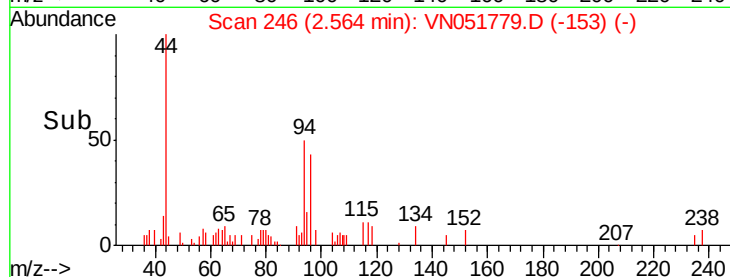
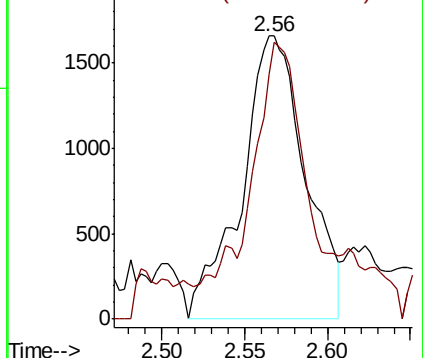
94 100

96 74.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 382

Delta R.T. -0.01 min

Lab File: VN051779.D

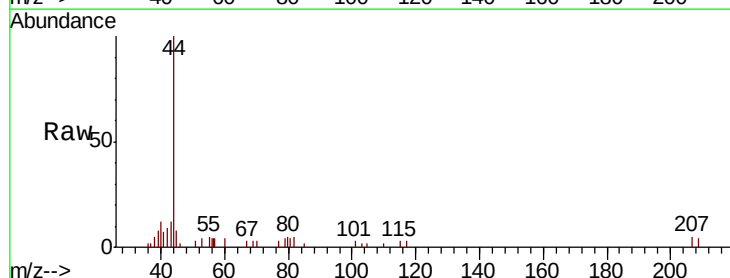
Acq: 10 Oct 2018 10:19

Tgt Ion: 101 Resp: 410

Ion Ratio Lower Upper

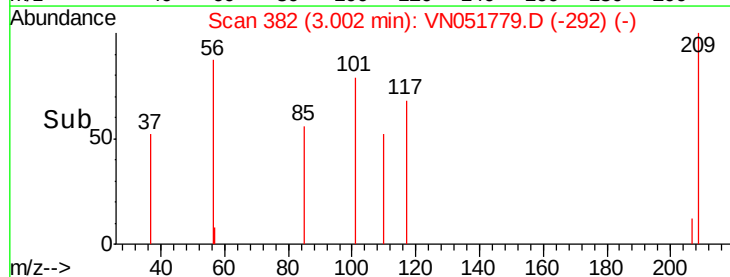
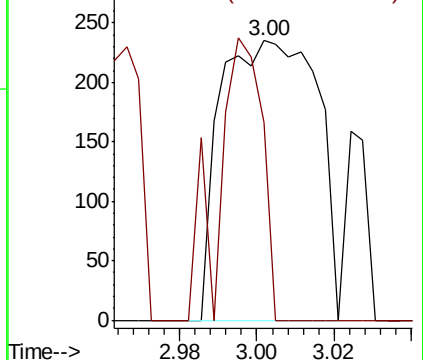
101 100

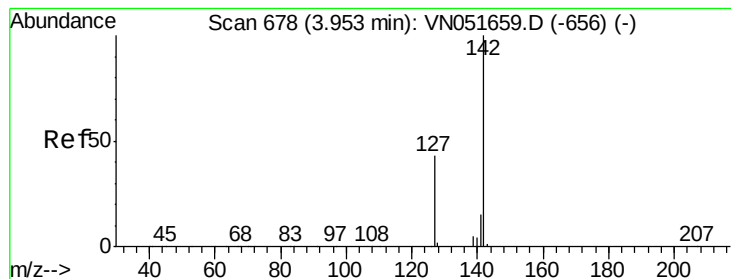
103 71.1 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#10

Methvl Iodide

Concen: 2.355 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBL01

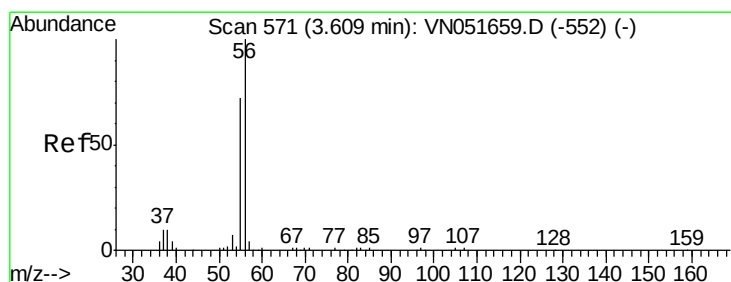
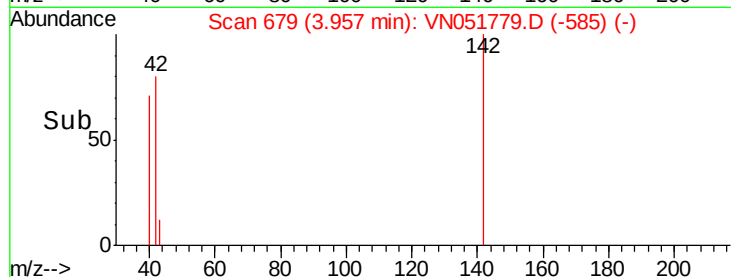
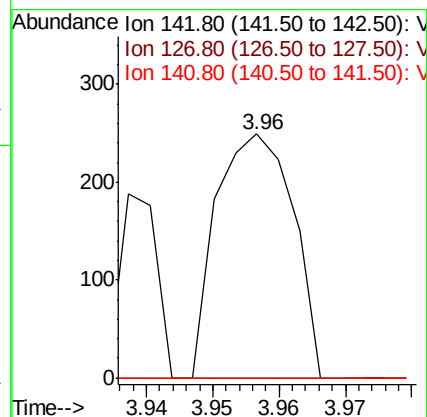
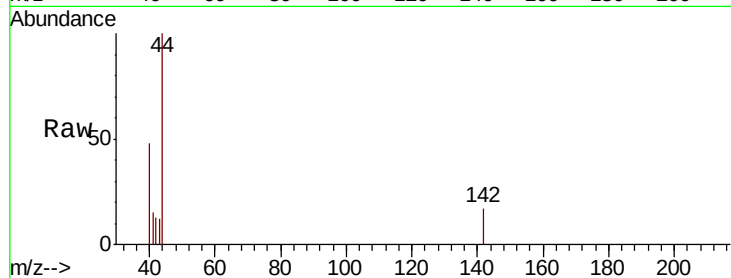
Tot Ion:142 Resp: 200

Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.4 17.2#



#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051779.D

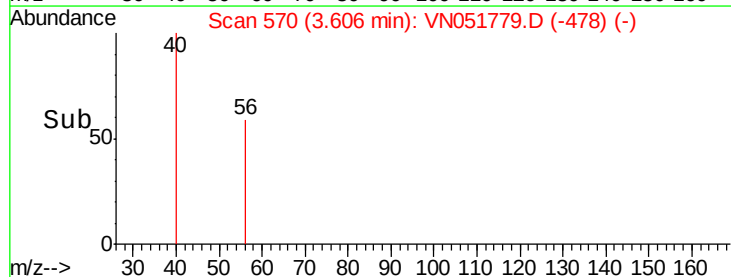
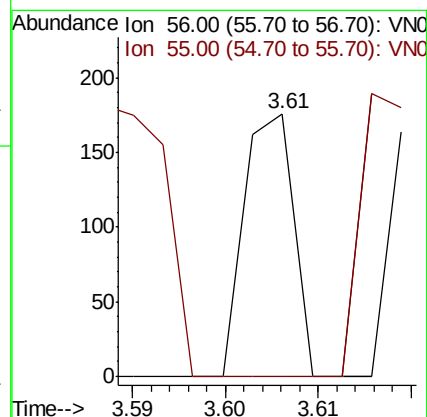
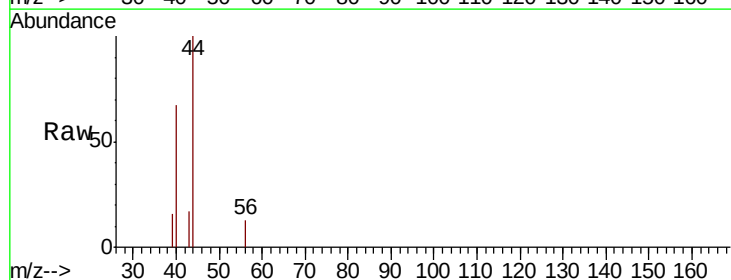
Acq: 10 Oct 2018 10:19

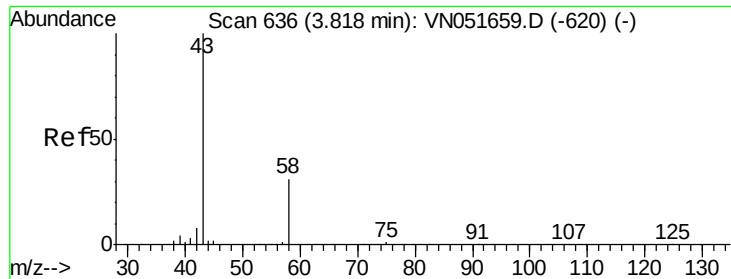
Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampled :

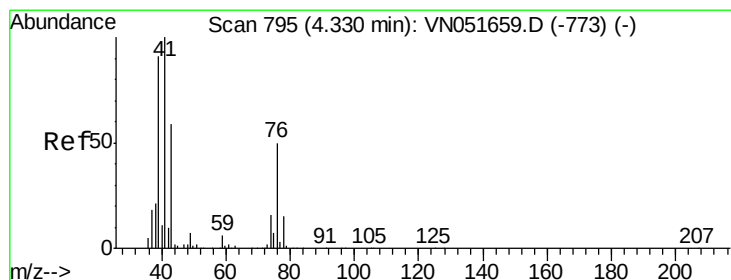
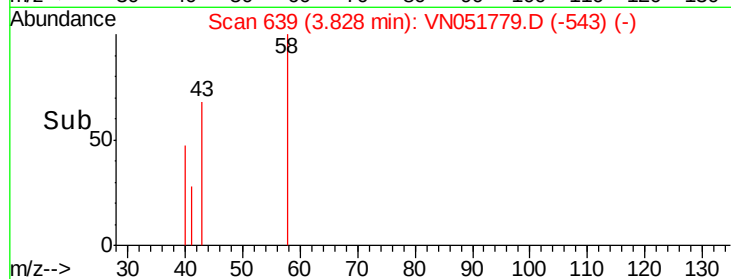
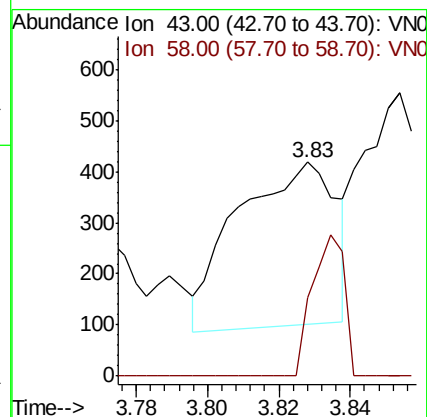
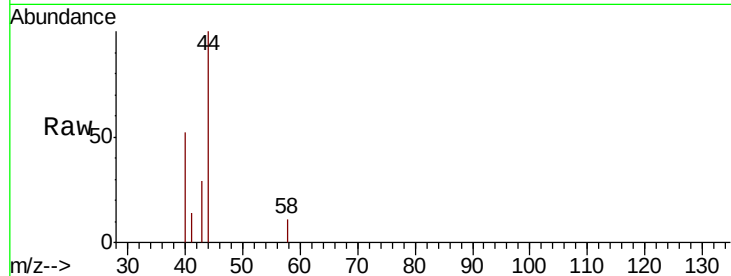
VN1010MBL01

Tot Ion: 43 Resp: 610

Ion Ratio Lower Upper

43 100

58 58.8 24.3 36.5#



#18

Methyl Acetate

Concen: 0.913 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051779.D

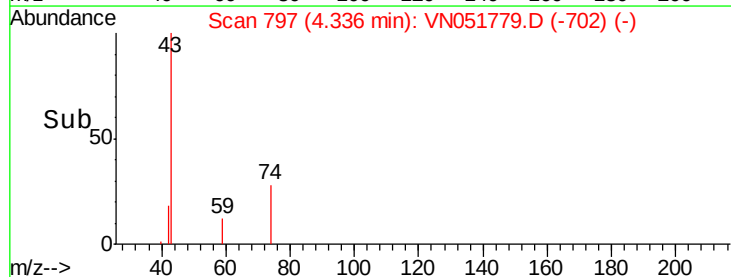
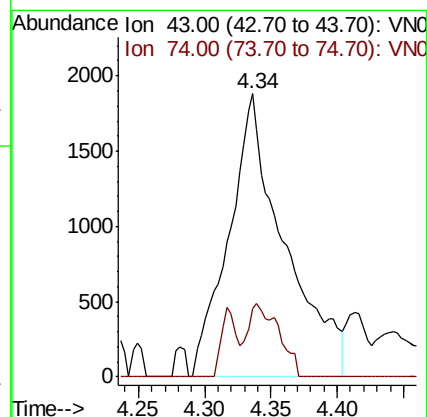
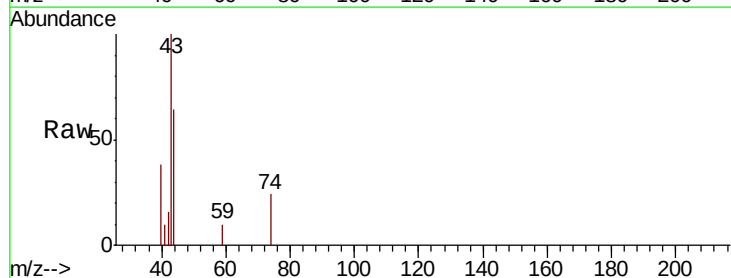
Acq: 10 Oct 2018 10:19

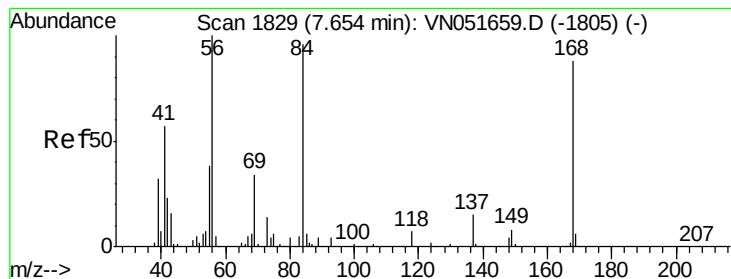
Tgt Ion: 43 Resp: 5464

Ion Ratio Lower Upper

43 100

74 14.7 21.5 32.3#





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampled :

VN1010MBL01

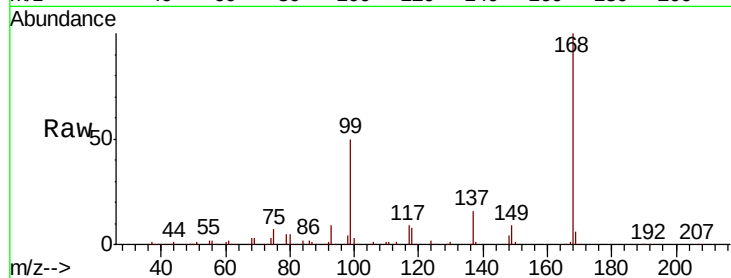
Tot Ion: 56 Resp: 14414

Ion Ratio Lower Upper

56 100

69 163.2 27.5 41.3#

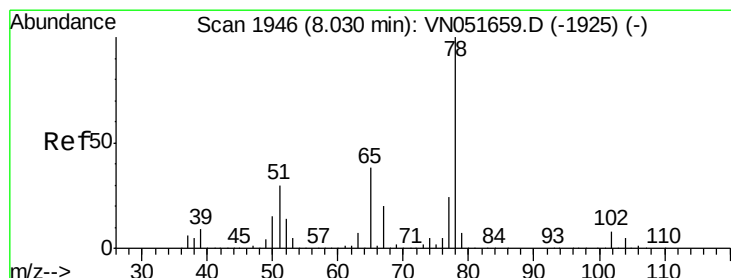
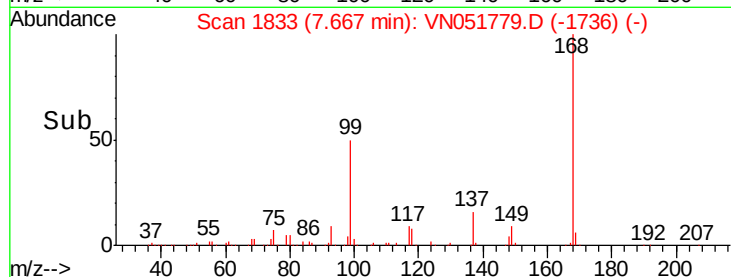
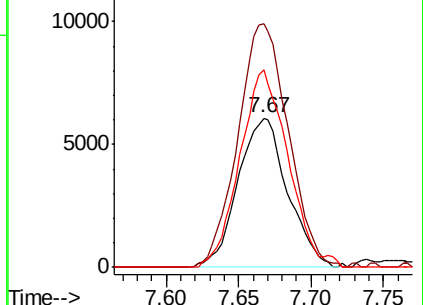
84 132.5 76.7 115.1#



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051779.D

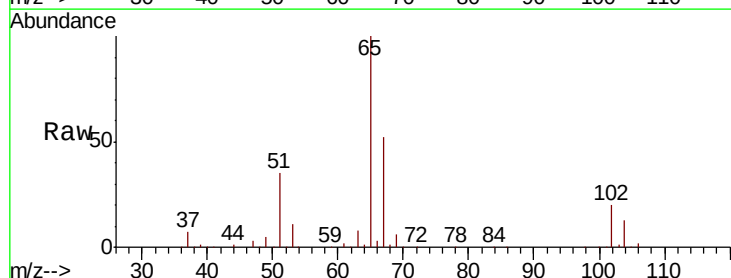
Acq: 10 Oct 2018 10:19

Tgt Ion: 65 Resp: 475619

Ion Ratio Lower Upper

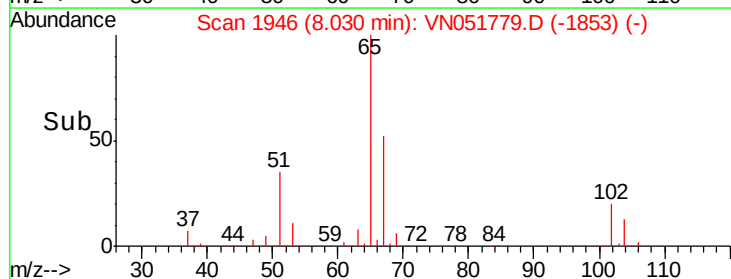
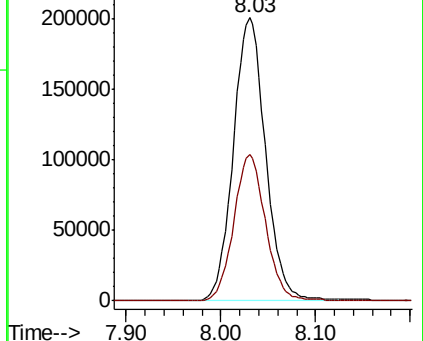
65 100

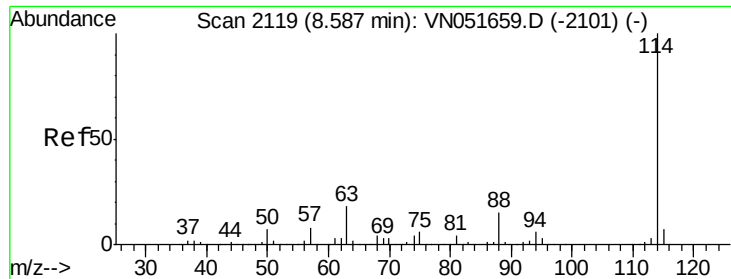
67 51.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

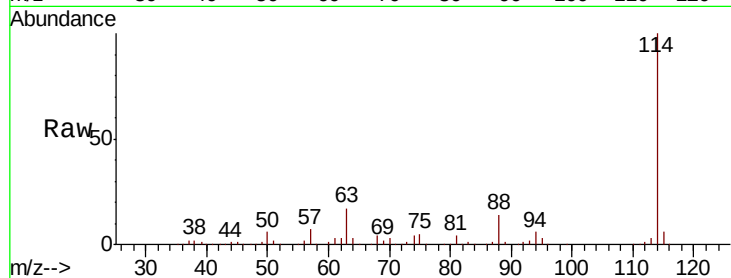




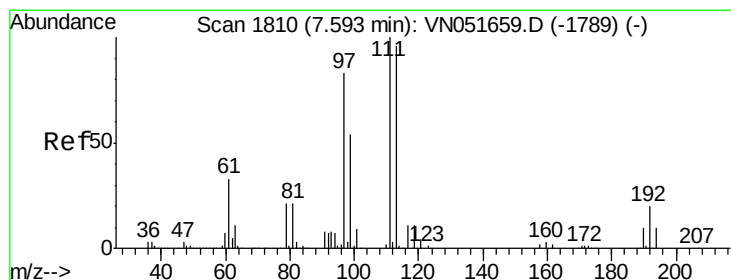
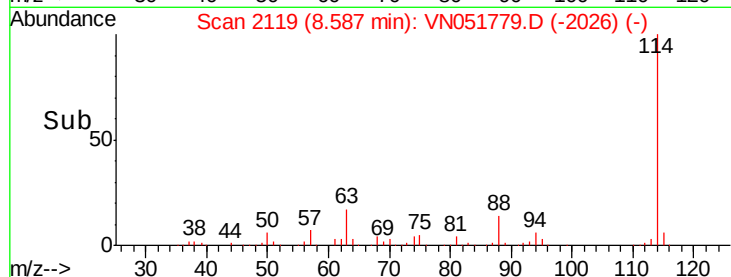
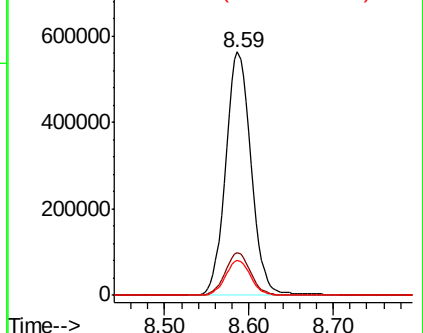
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051779.D
Acq: 10 Oct 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBL01

Tot Ion:114 Resp: 1184074
Ion Ratio Lower Upper
114 100
63 17.3 0.0 36.2
88 14.3 0.0 30.2

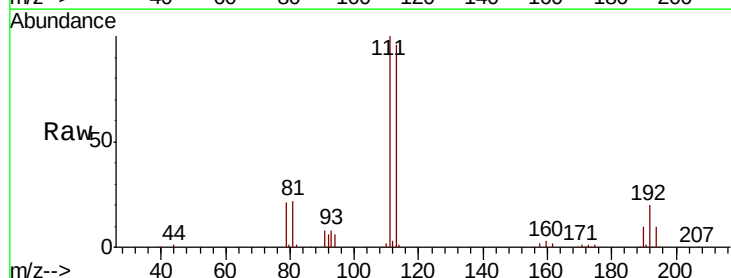


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

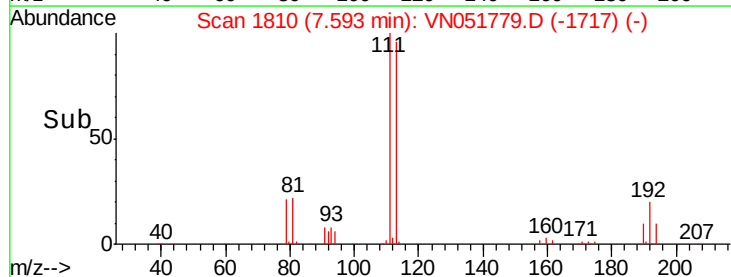
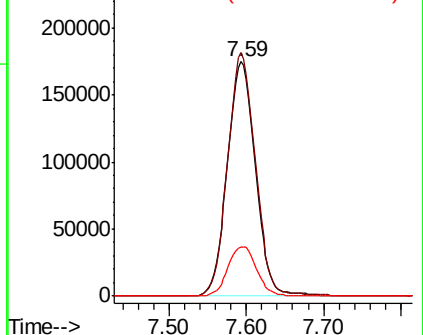


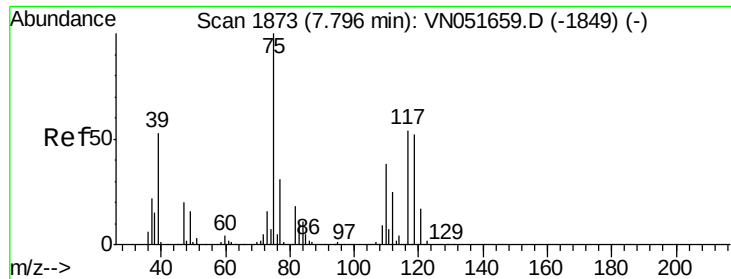
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051779.D
Acq: 10 Oct 2018 10:19

Tgt Ion:113 Resp: 440727
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 21.6 16.5 24.7



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

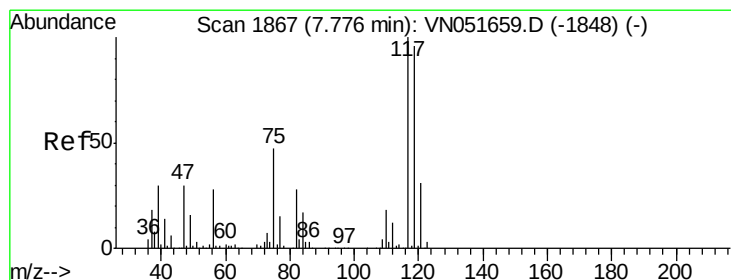
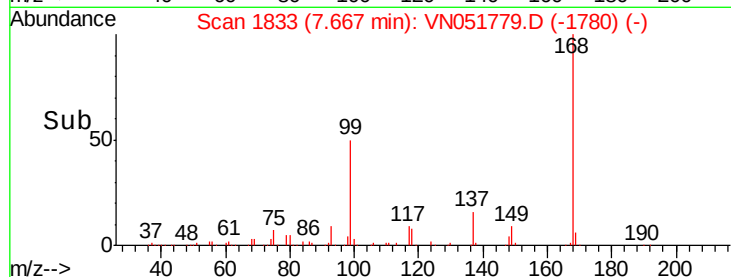
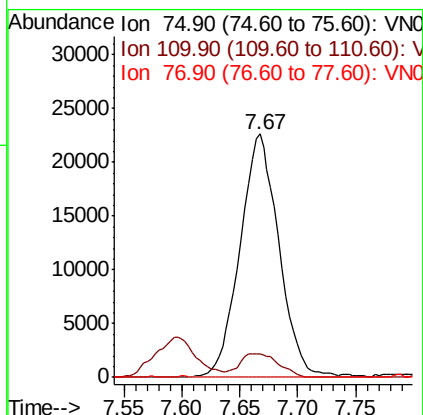
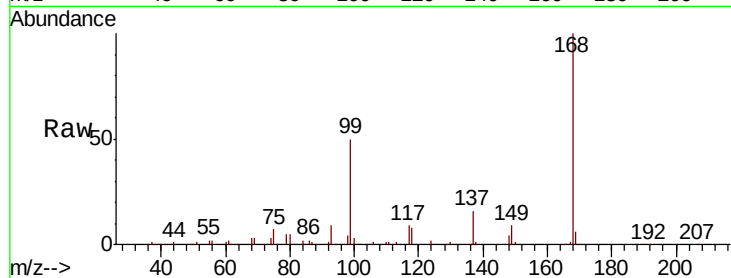




#36
 1,1-Dichloropropene
 Concen: 4.269 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051779.D
 Acq: 10 Oct 2018 10:19

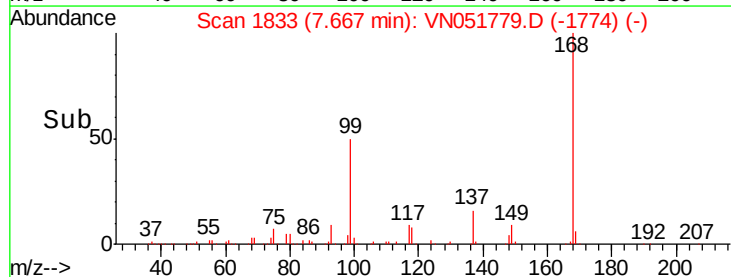
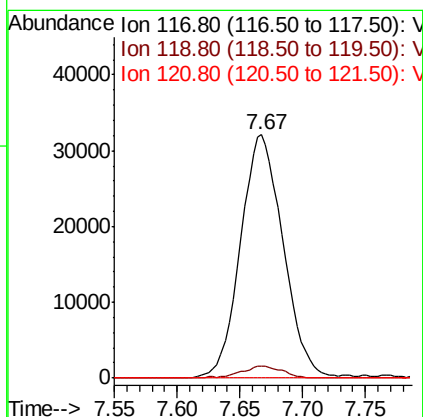
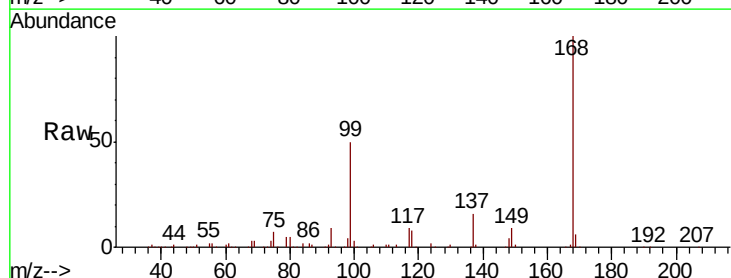
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBL01

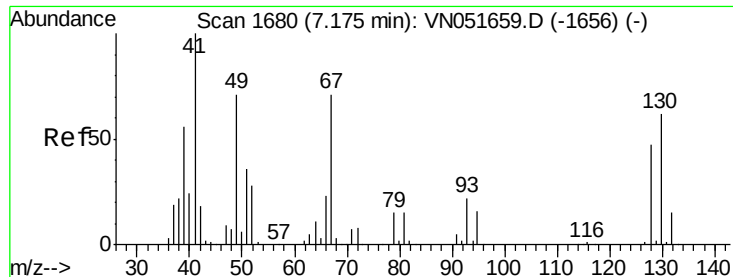
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.3	57.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.105 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051779.D
 Acq: 10 Oct 2018 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.0	115.6#
121	0.0	25.0	37.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBL01

Tot Ion: 41 Resp: 31

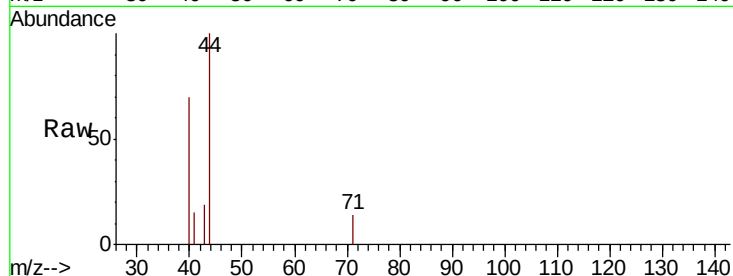
Ion Ratio Lower Upper

41 100

39 0.0 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#

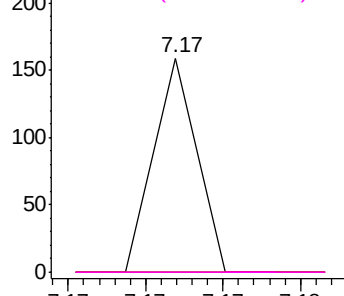


Abundance Ion 41.00 (40.70 to 41.70): VN0

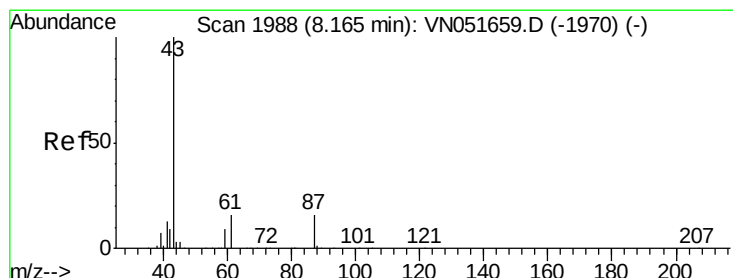
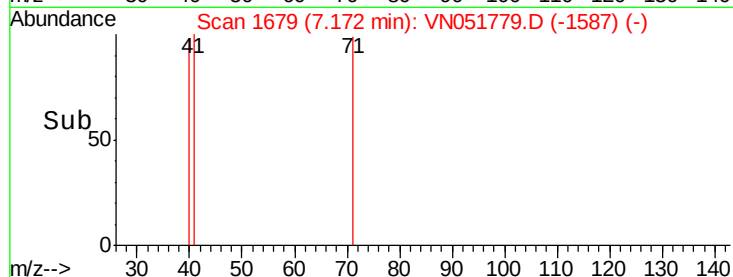
Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#43

Isopropyl Acetate

Concen: 5.007 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

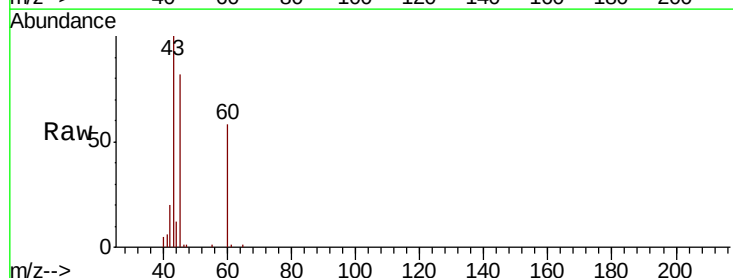
Tgt Ion: 43 Resp: 67381

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

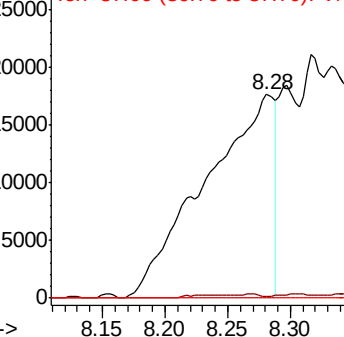
87 0.0 12.6 19.0#



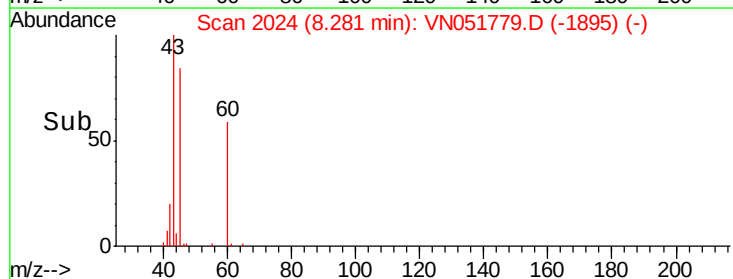
Abundance Ion 43.00 (42.70 to 43.70): VN0

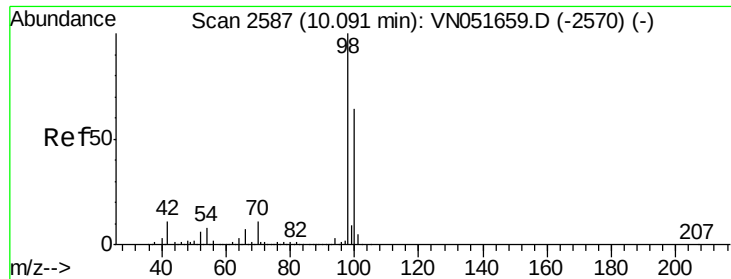
Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampled :

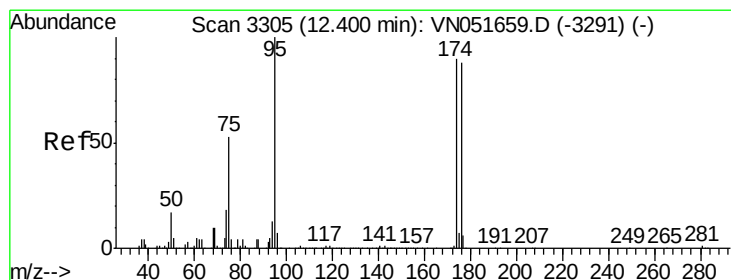
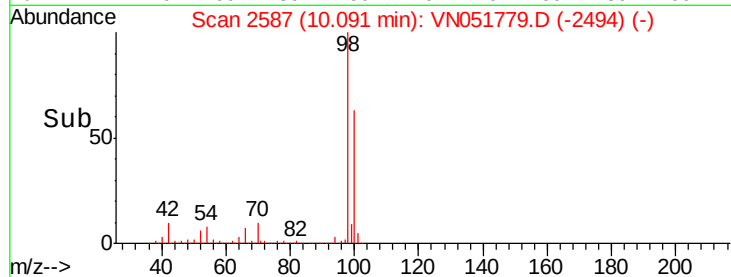
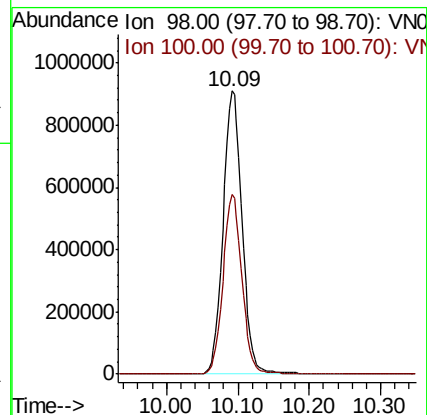
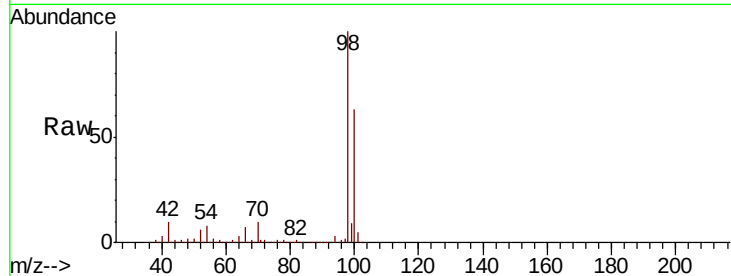
VN1010MBL01

Tot Ion: 98 Resp: 1679723

Ion Ratio Lower Upper

98 100

100 63.1 51.5 77.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

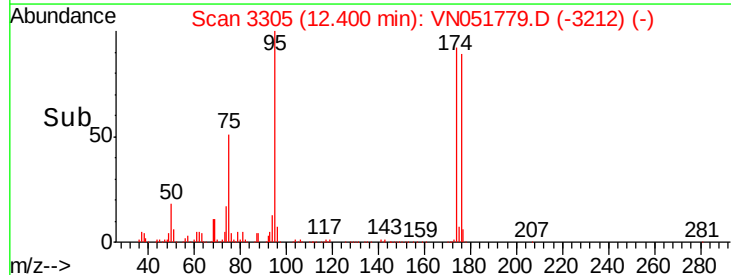
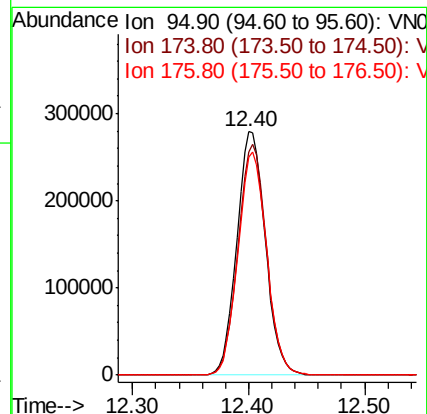
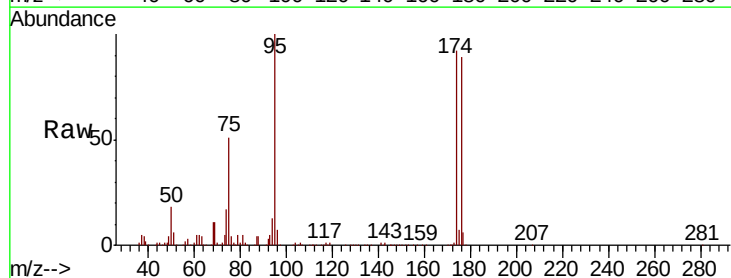
Tgt Ion: 95 Resp: 471730

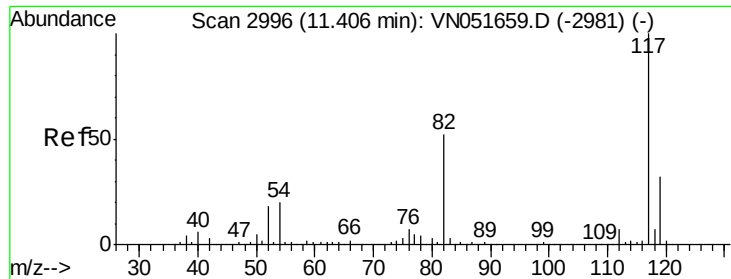
Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.8

176 92.4 0.0 176.4

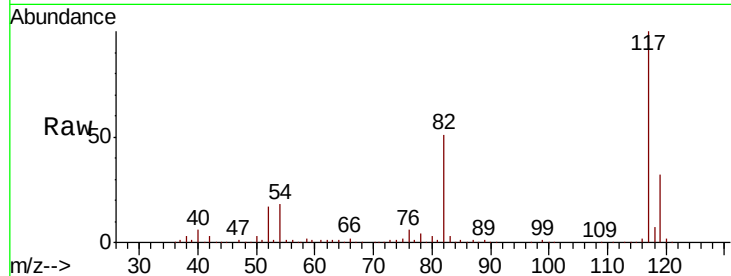




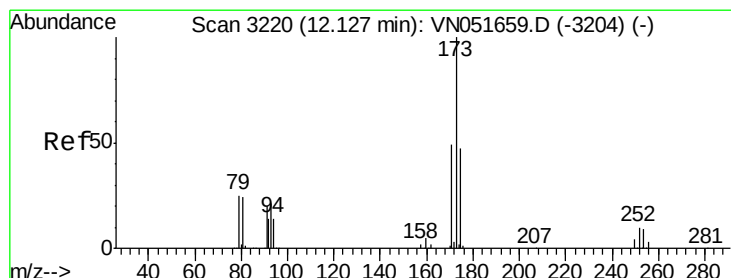
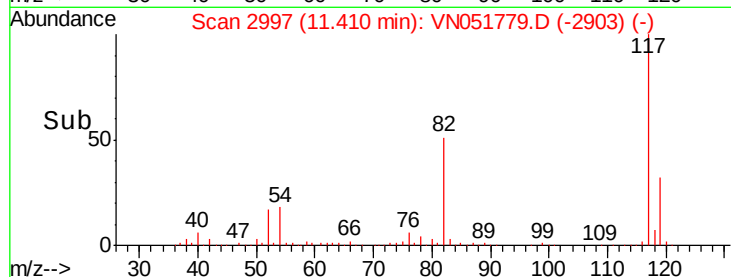
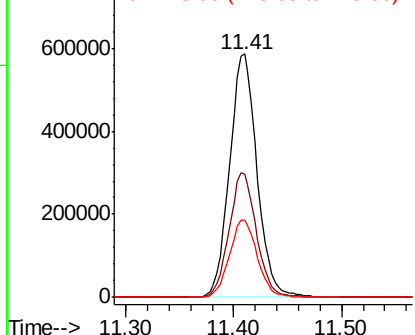
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051779.D
Acq: 10 Oct 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBL01

Tot Ion:117 Resp: 1040455
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 31.9 25.9 38.9

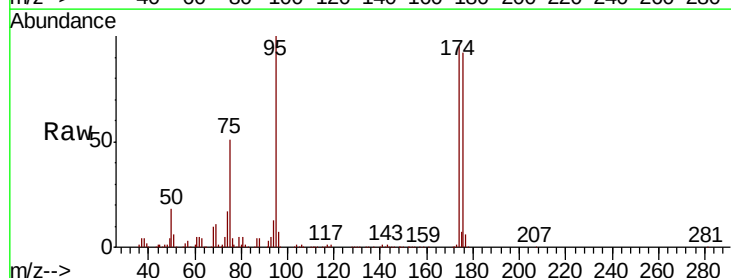


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

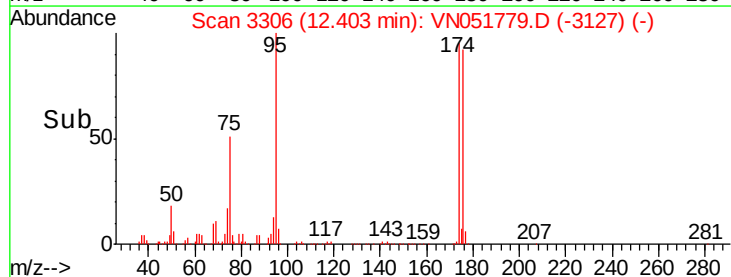
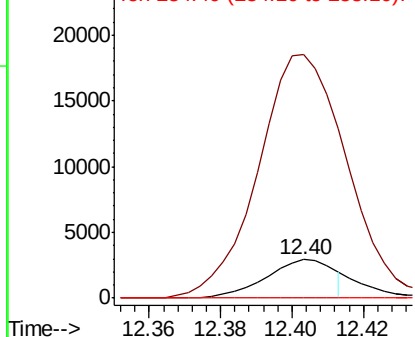


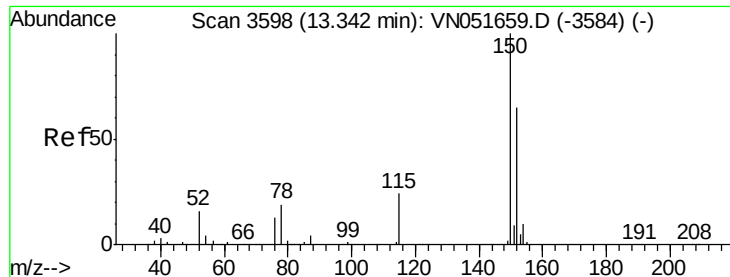
#71
Bromoform
Concen: 0.503 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051779.D
Acq: 10 Oct 2018 10:19

Tgt Ion:173 Resp: 3859
Ion Ratio Lower Upper
173 100
175 693.0 24.0 72.0#
254 0.0 0.1 0.1#



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# 3599

Delta R.T. 0.00 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBL01

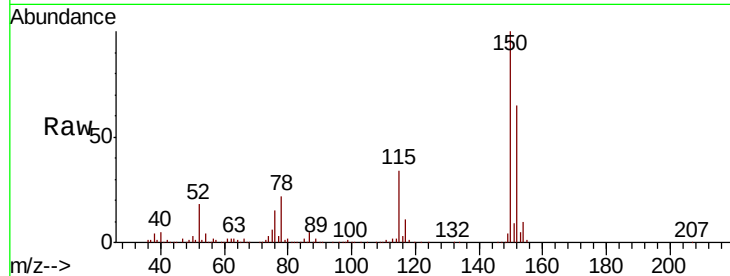
Tot Ion:152 Resp: 391826

Ion Ratio Lower Upper

152 100

115 54.0 28.6 85.8

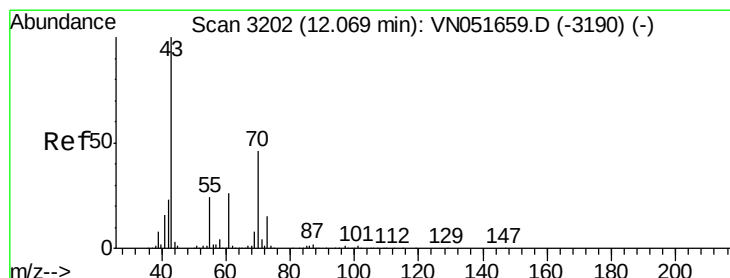
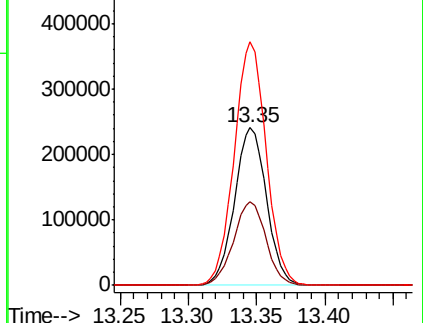
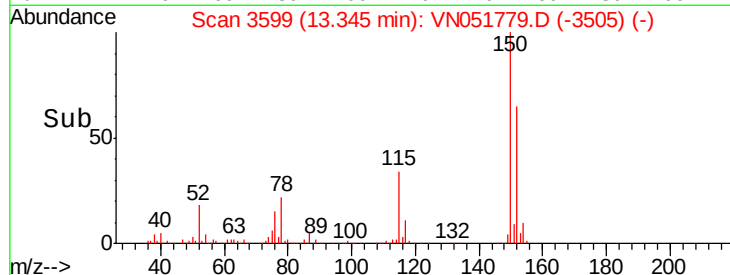
150 154.8 0.0 352.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Tgt Ion: 43 Resp: 20

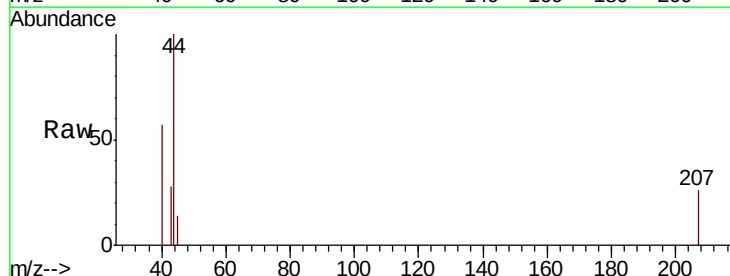
Ion Ratio Lower Upper

43 100

70 640.0 37.1 55.7#

55 330.0 19.1 28.7#

61 0.0 20.8 31.2#

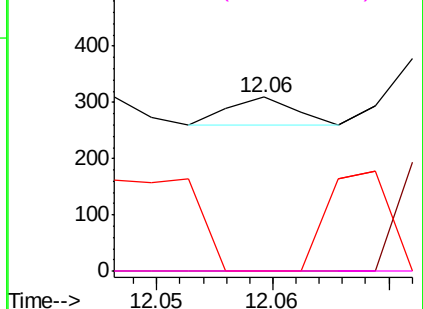
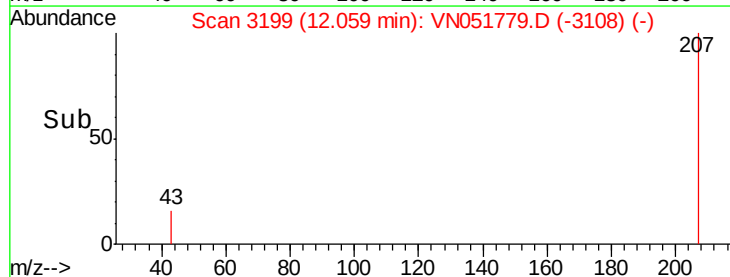


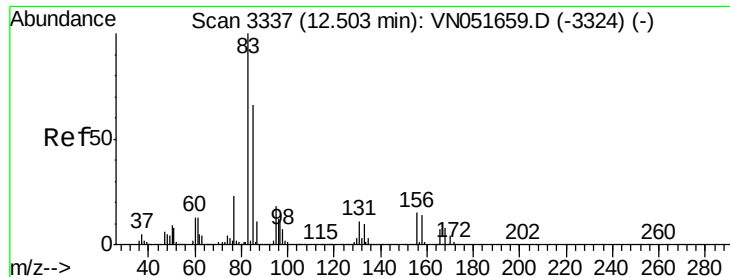
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampled :

VN1010MBL01

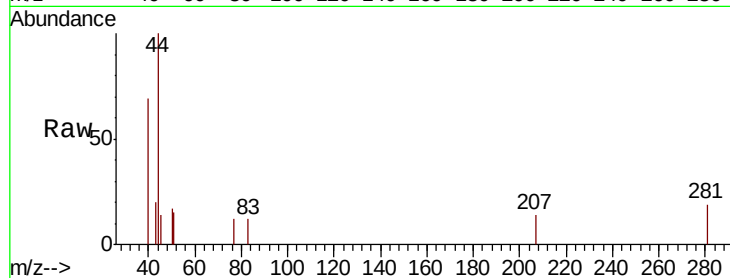
Tot Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

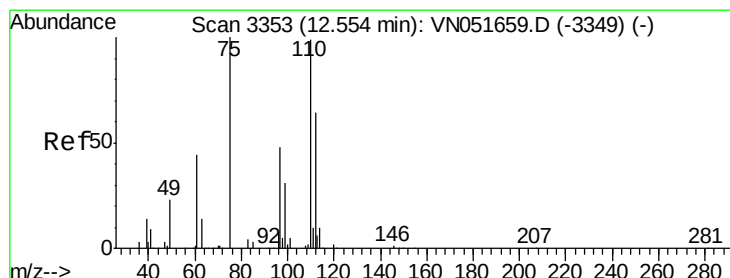
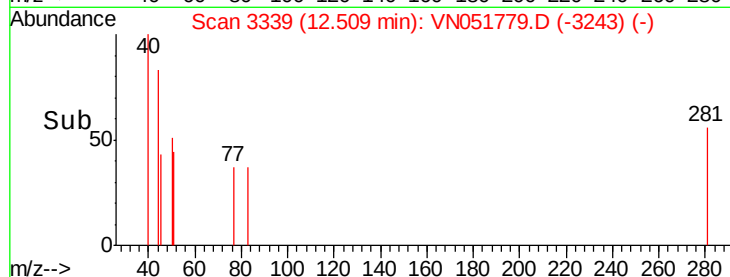
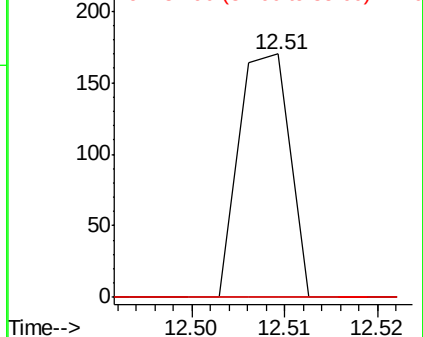
85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 50.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051779.D

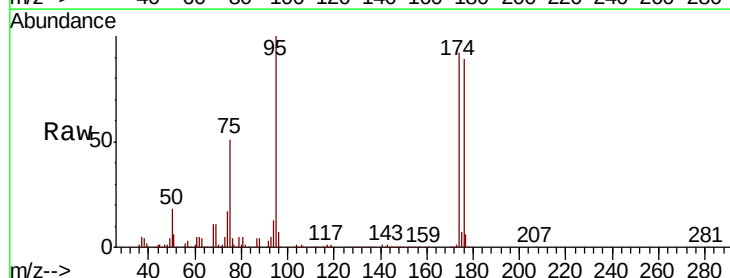
Acq: 10 Oct 2018 10:19

Tgt Ion: 75 Resp: 246925

Ion Ratio Lower Upper

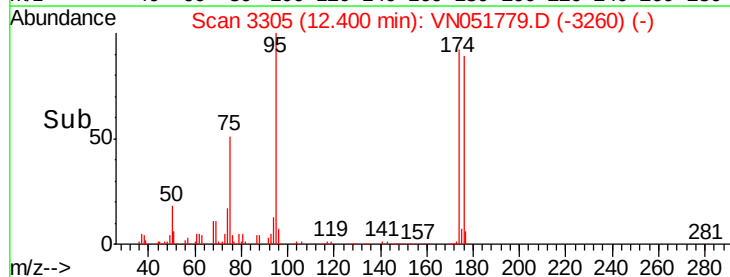
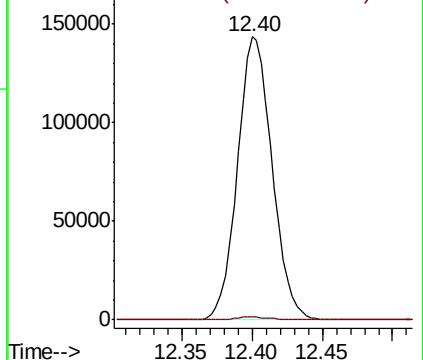
75 100

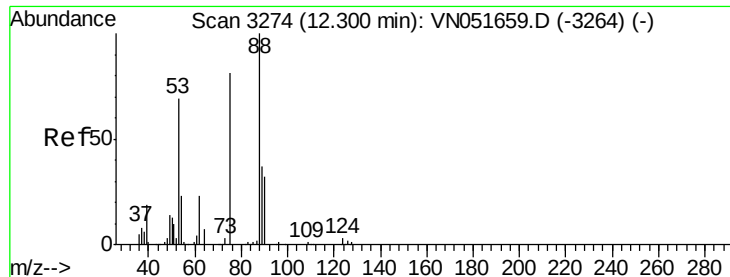
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 115.841 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBL01

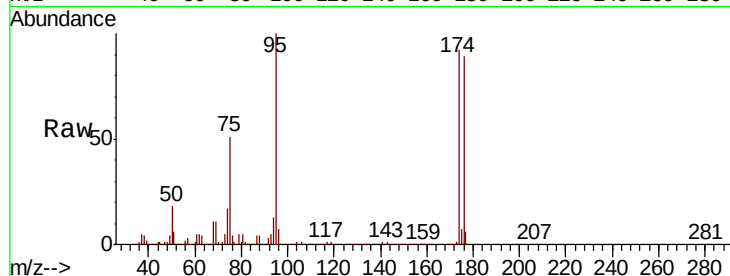
Tot Ion: 75 Resp: 246925

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

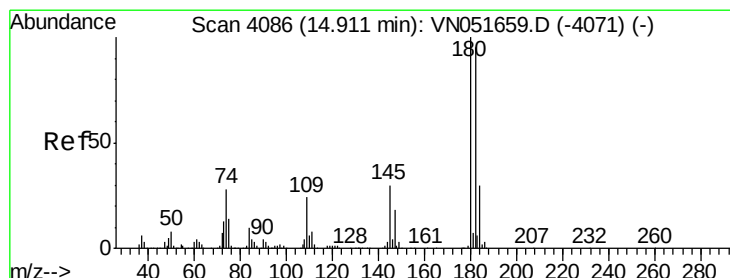
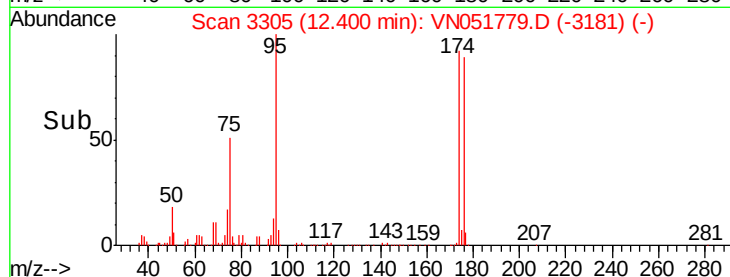
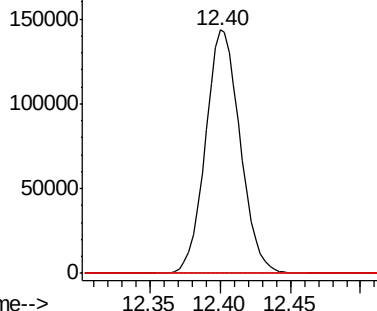
89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VN051779.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051779.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051779.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN051779.D

Acq: 10 Oct 2018 10:19

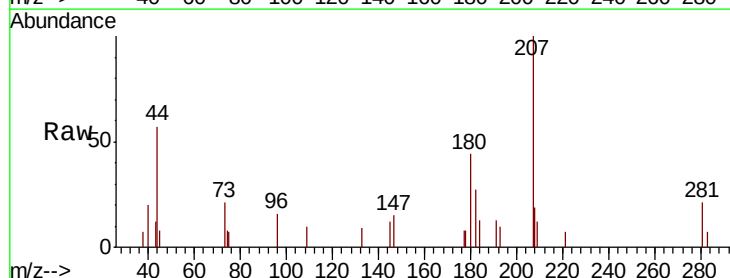
Tgt Ion:180 Resp: 1597

Ion Ratio Lower Upper

180 100

182 77.7 47.7 143.1

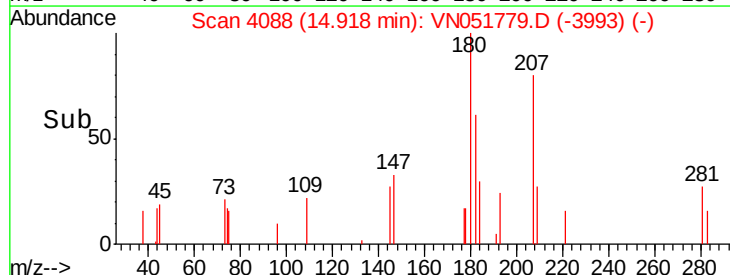
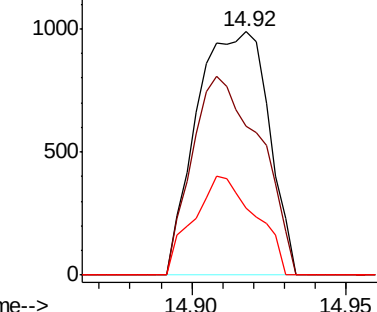
145 35.3 15.3 45.9

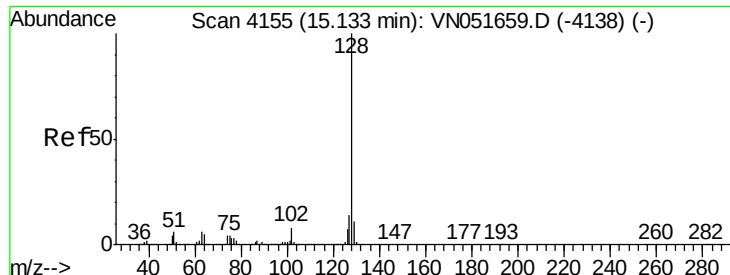


Abundance Ion 179.80 (179.50 to 180.50): VN051779.D (-3993) (-)

Ion 181.80 (181.50 to 182.50): VN051779.D (-3993) (-)

Ion 144.80 (144.50 to 145.50): VN051779.D (-3993) (-)





#95

Naphthalene

Concen: 0.307 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051779.D

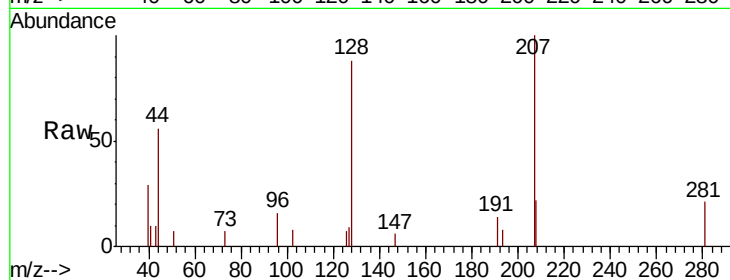
Acq: 10 Oct 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBL01



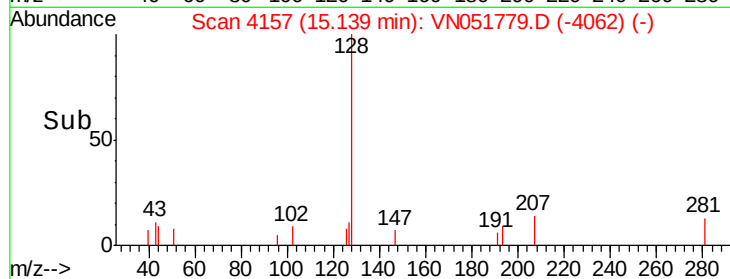
Tot Ion:128 Resp: 4169

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

129 7.0 9.0 13.6



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

