

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051738.D
 Acq On : 8 Oct 2018 16:13
 Operator : MD\SY
 Sample : J5205-01
 Misc : 5.05µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100418

Quant Time: Oct 09 03:59:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

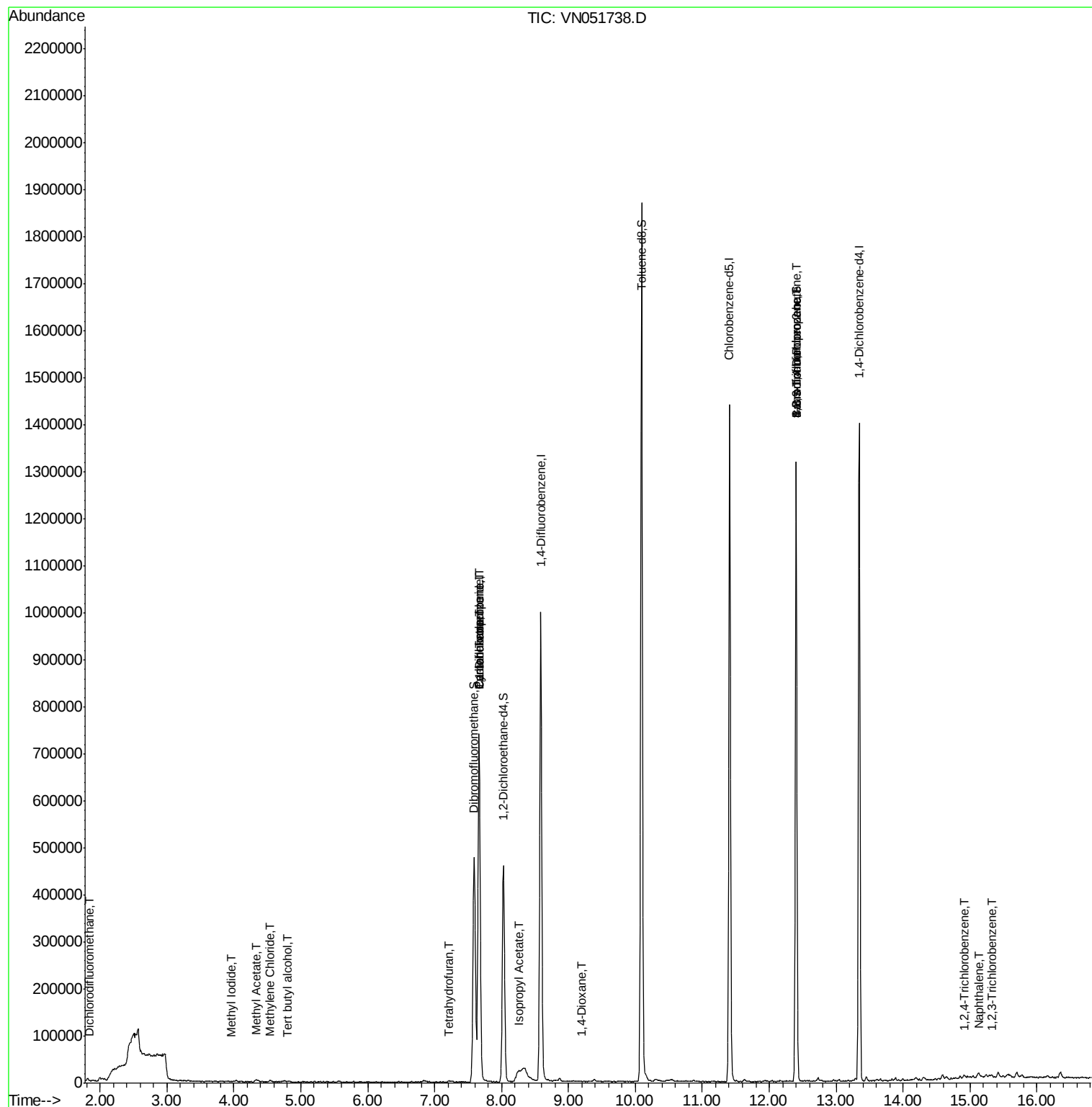
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	941522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	845538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	386446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	390118	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	7.59	113	349322	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	10.09	98	1338636	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	415493	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	33	1.153	ug/l #	42
7) Trichlorofluoromethane	2.98	101	389	Below Cal	#	75
10) Methyl Iodide	3.95	142	70	2.346	ug/l #	41
11) Tert butyl alcohol	4.80	59	120	0.206	ug/l #	73
16) Acetone	3.81	43	157	Below Cal	#	44
18) Methyl Acetate	4.33	43	4639	0.982	ug/l #	84
20) Methylene Chloride	4.54	84	1886	0.268	ug/l	93
29) Tetrahydrofuran	7.21	42	849	0.560	ug/l #	72
31) Cyclohexane	7.67	56	13456	1.158	ug/l #	43
36) 1,1-Dichloropropene	7.66	75	42997	4.369	ug/l #	49
38) Carbon Tetrachloride	7.66	117	58063	4.917	ug/l #	15
41) Methacrylonitrile	7.17	41	129	Below Cal	#	13
43) Isopropyl Acetate	8.27	43	28675	2.680	ug/l #	59
49) 1,4-Dioxane	9.20	88	63	0.859	ug/l #	1
71) Bromoform	12.40	173	3340	0.536	ug/l #	1
74) N-amyl acetate	12.07	43	612	Below Cal	#	32
75) 1,1,2,2-Tetrachloroethane	12.49	83	124	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.40	75	222770	46.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	222770	105.964	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	1701	0.274	ug/l	95
95) Naphthalene	15.13	128	6113	0.456	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	1824	0.298	ug/l	90

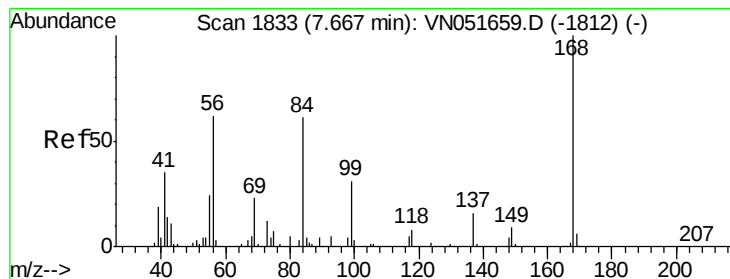
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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TR-05-100418

Quant Time: Oct 09 03:59:17 2018
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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 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: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

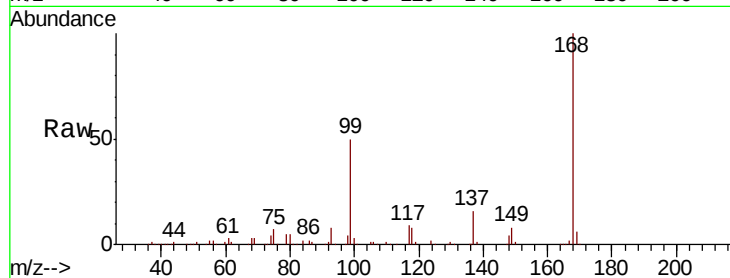
TR-05-100418

Tot Ion:168 Resp: 647762

Ion Ratio Lower Upper

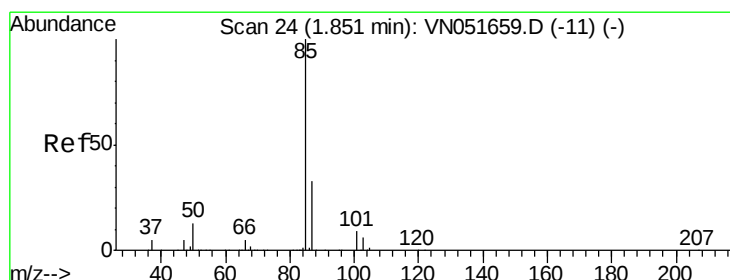
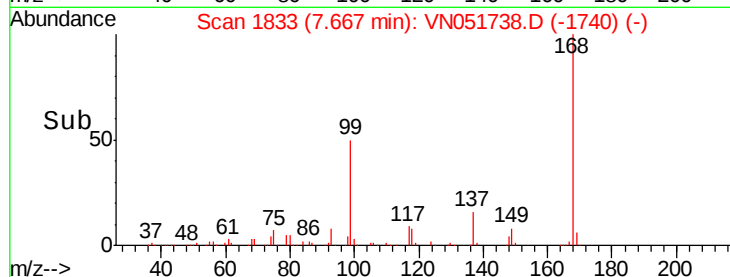
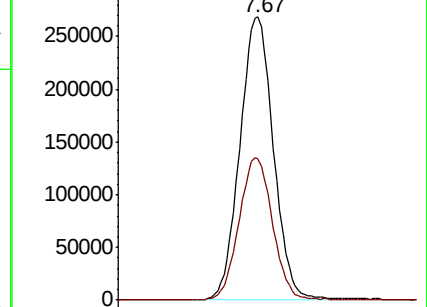
168 100

99 49.8 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): VN051738.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051738.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 1.153 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.01 min

Lab File: VN051738.D

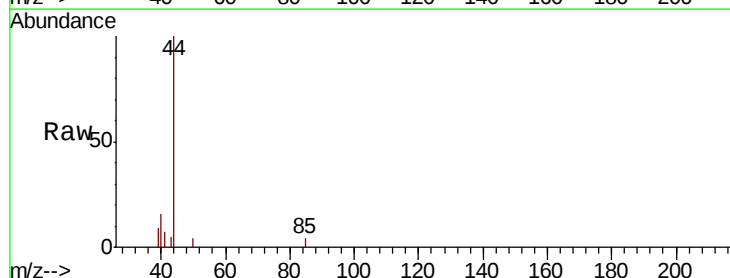
Acq: 8 Oct 2018 16:13

Tgt Ion: 85 Resp: 33

Ion Ratio Lower Upper

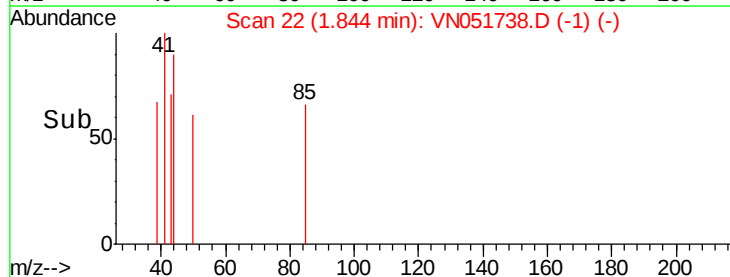
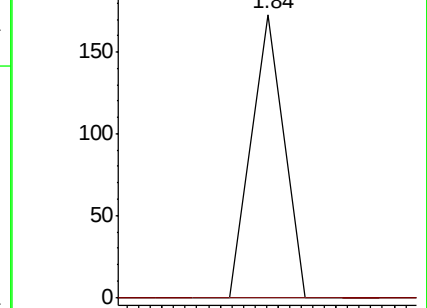
85 100

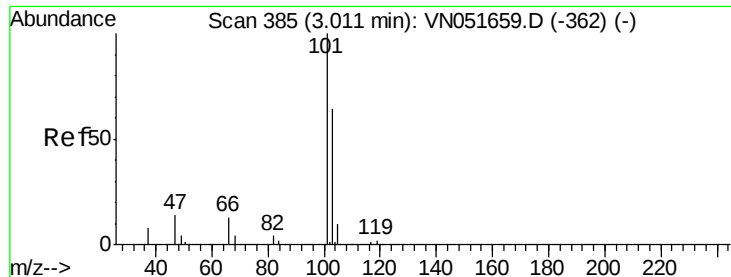
87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN051738.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN051738.D (-1) (-)



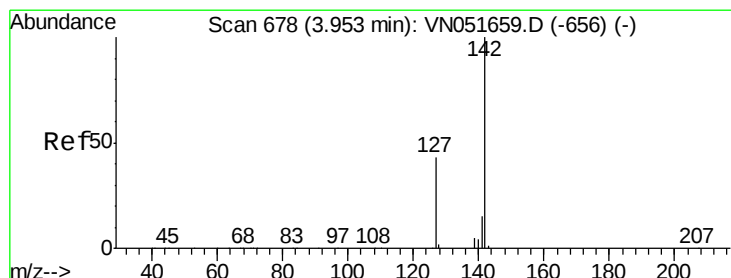
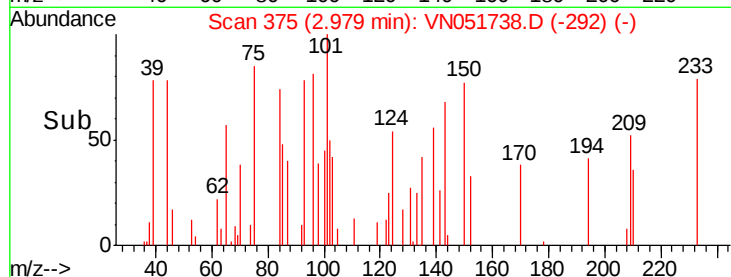
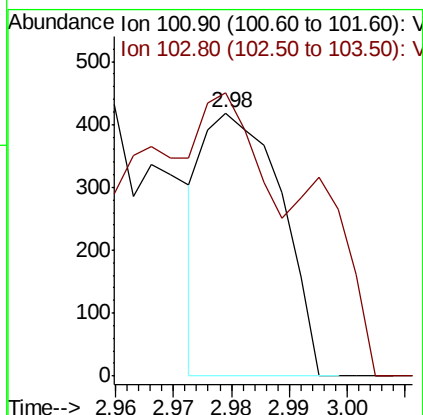
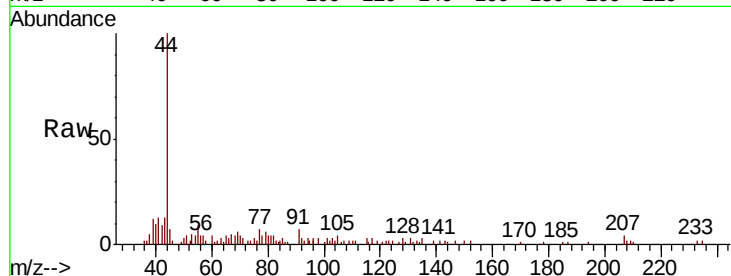


#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.98 min Scan# 375
Delta R.T. -0.03 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Instrument :
MSVOA_N
ClientSampled :
TR-05-100418

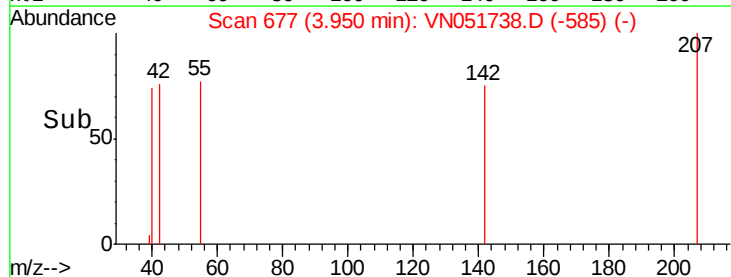
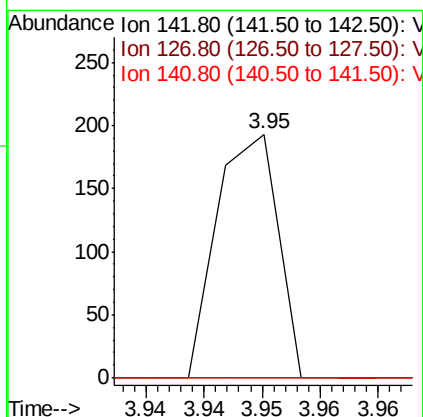
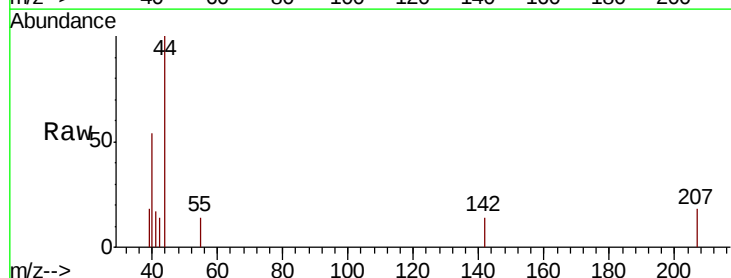
Tot Ion:101 Resp: 389
Ion Ratio Lower Upper
101 100
103 44.0 51.1 76.7#

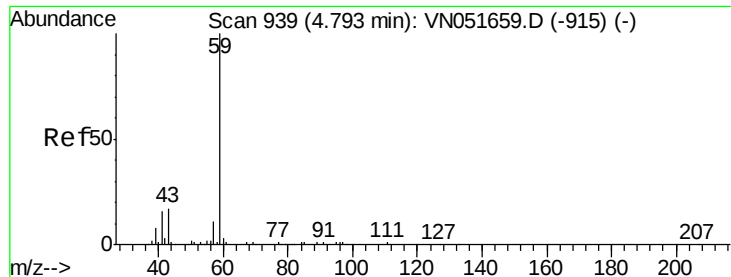


#10

Methyl Iodide
Concen: 2.346 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.4 17.2#



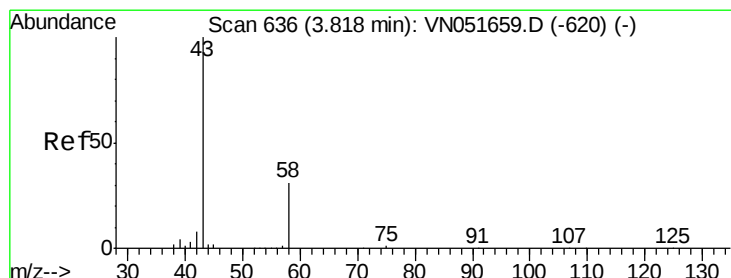
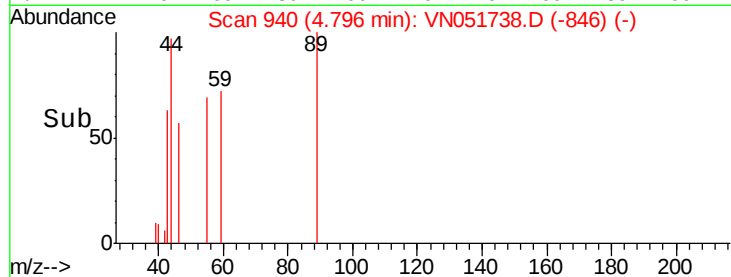
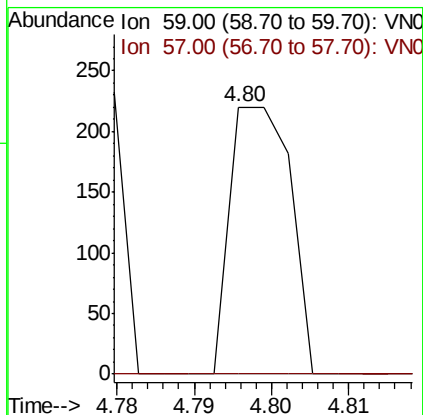
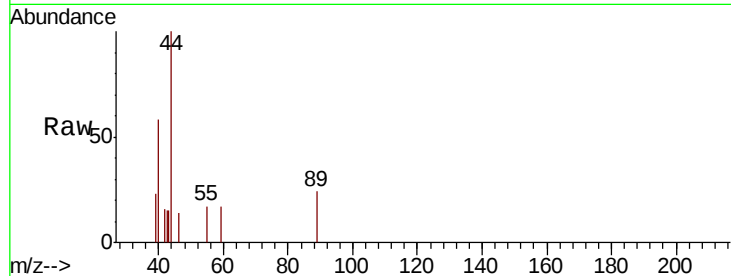


#11

Tert butyl alcohol
 Concen: 0.206 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051738.D
 Acq: 8 Oct 2018 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 TR-05-100418

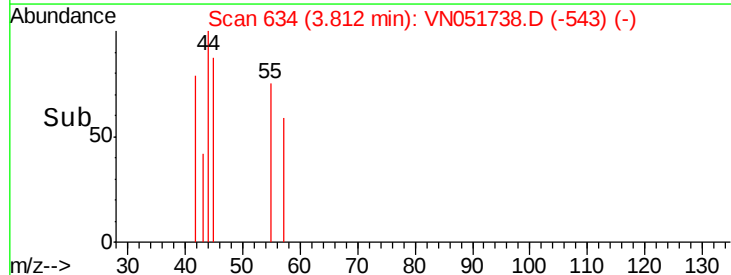
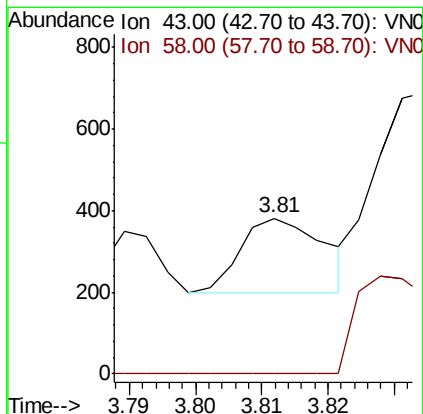
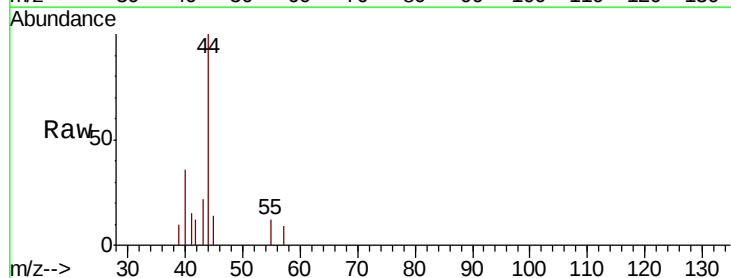
Tot Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

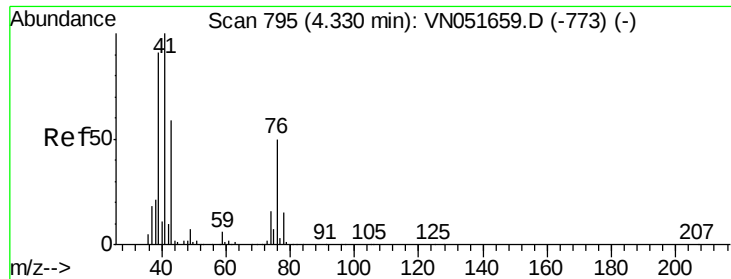


#16

Acetone
 Concen: Below Cal
 RT: 3.81 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: VN051738.D
 Acq: 8 Oct 2018 16:13

Tgt Ion: 43 Resp: 157
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.3 36.5#

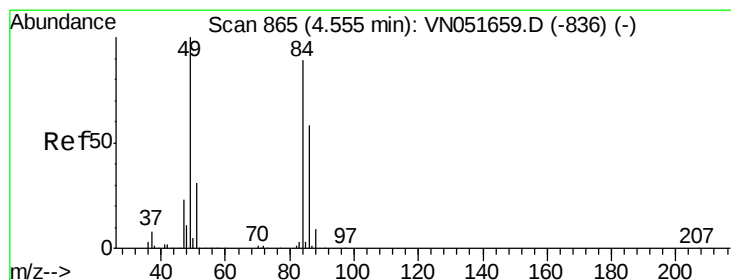
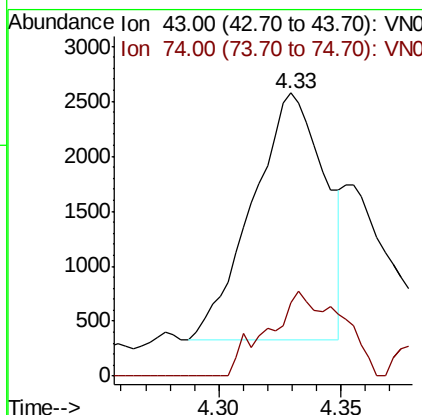
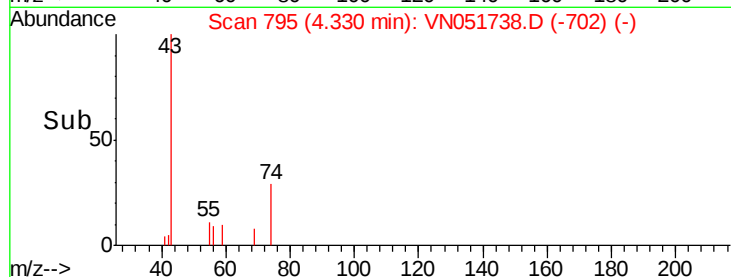
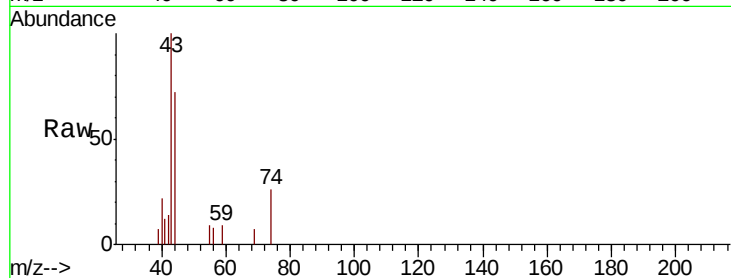




#18
Methvl Acetate
Concen: 0.982 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

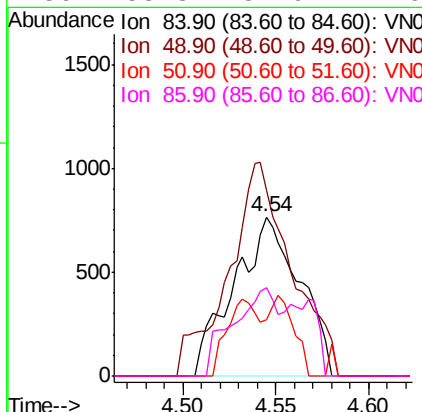
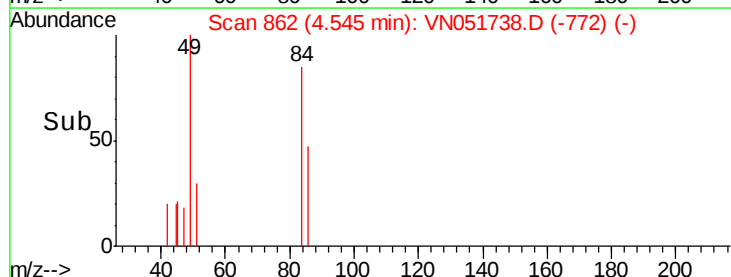
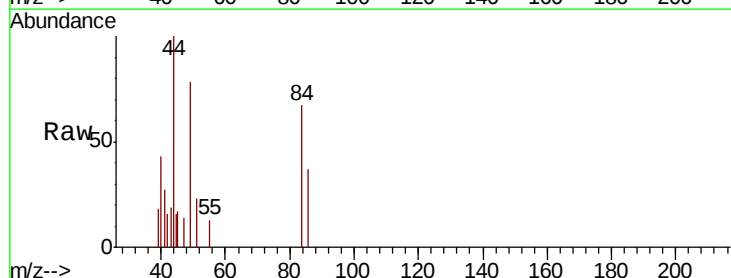
Instrument :
MSVOA_N
ClientSampleId :
TR-05-100418

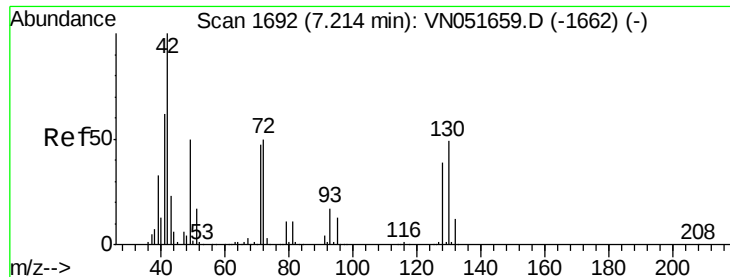
Tot Ion: 43 Resp: 4639
Ion Ratio Lower Upper
43 100
74 35.0 21.5 32.3#



#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Tgt Ion: 84 Resp: 1886
Ion Ratio Lower Upper
84 100
49 117.0 89.5 134.3
51 35.2 27.4 41.0
86 55.3 51.9 77.9





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampled :

TR-05-100418

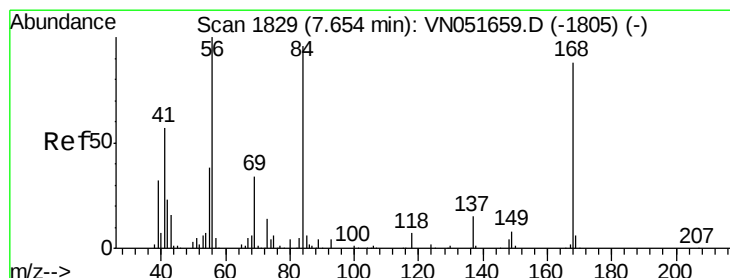
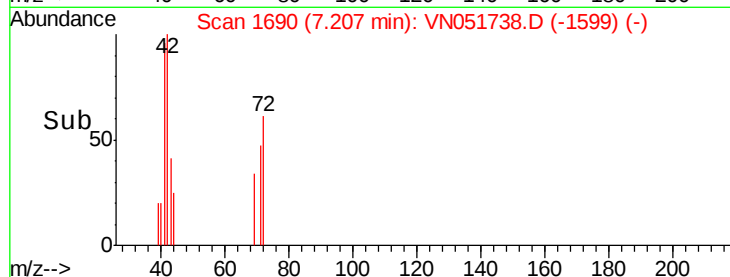
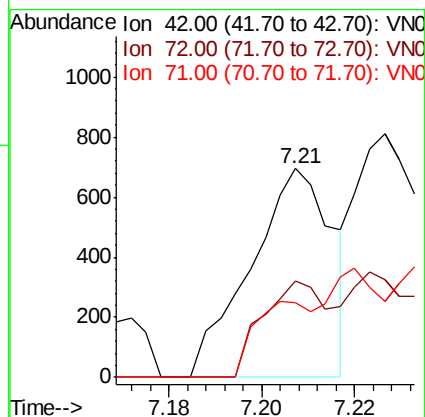
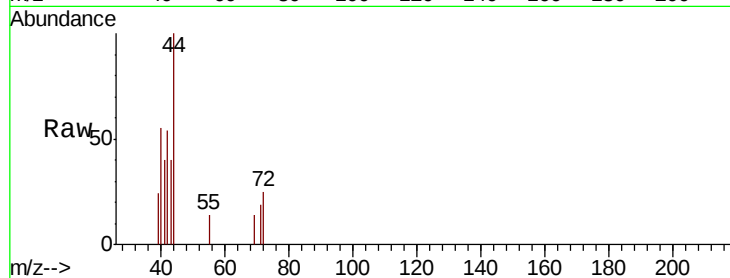
Tot Ion: 42 Resp: 849

Ion Ratio Lower Upper

42 100

72 34.0 40.1 60.1#

71 25.1 38.0 57.0#



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

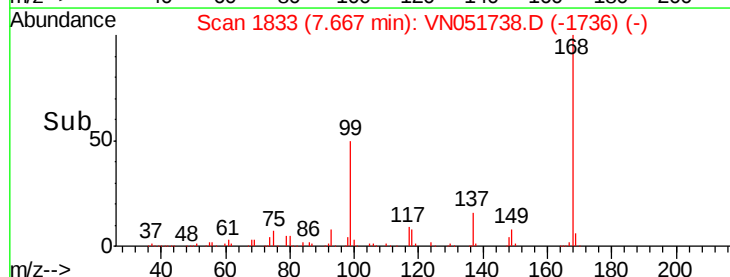
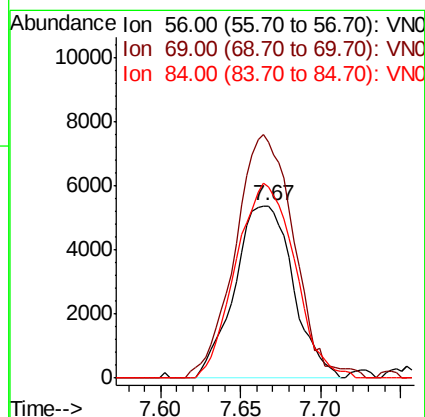
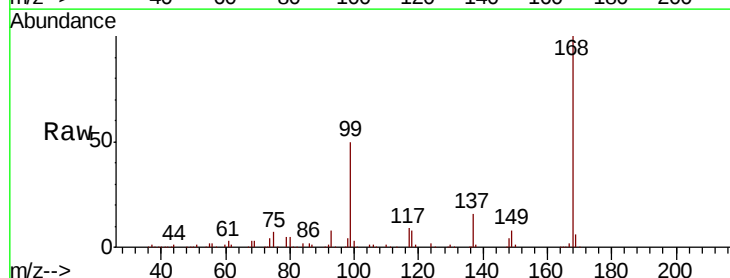
Tgt Ion: 56 Resp: 13456

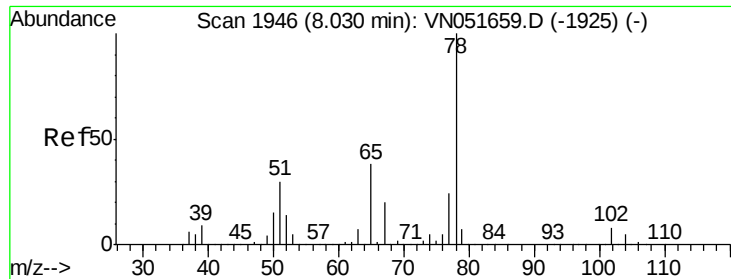
Ion Ratio Lower Upper

56 100

69 133.1 27.5 41.3#

84 111.3 76.7 115.1

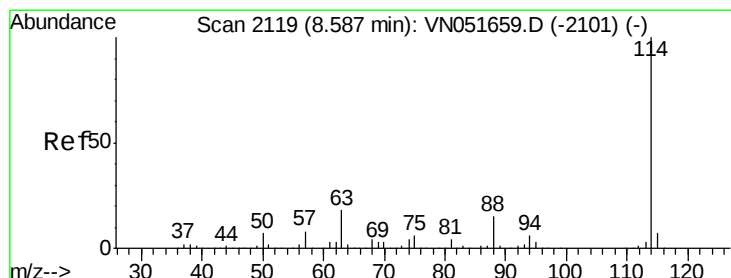
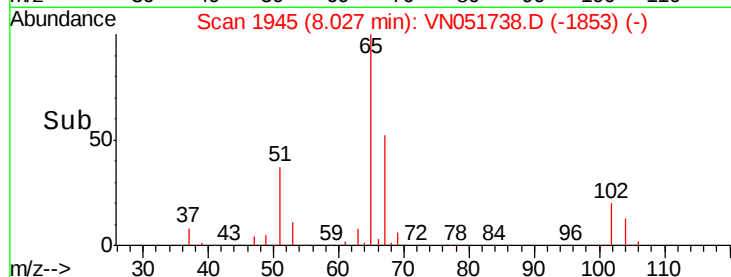
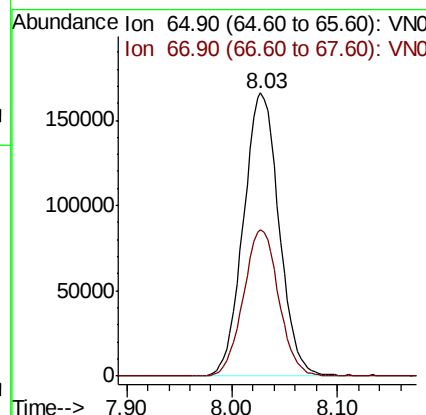
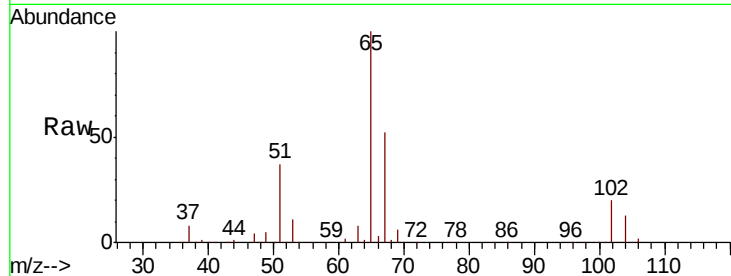




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051738.D
 Acq: 8 Oct 2018 16:13

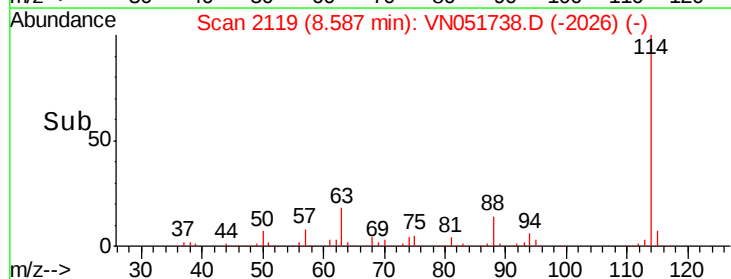
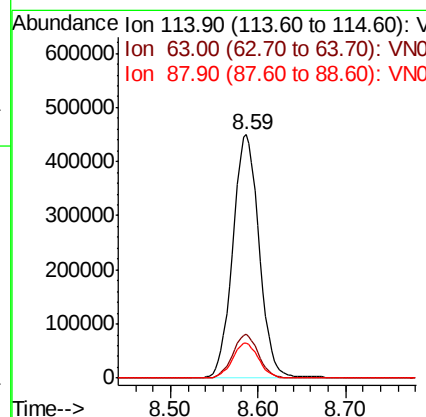
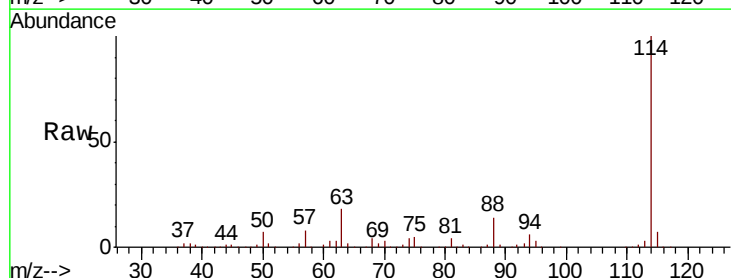
Instrument :
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 TR-05-100418

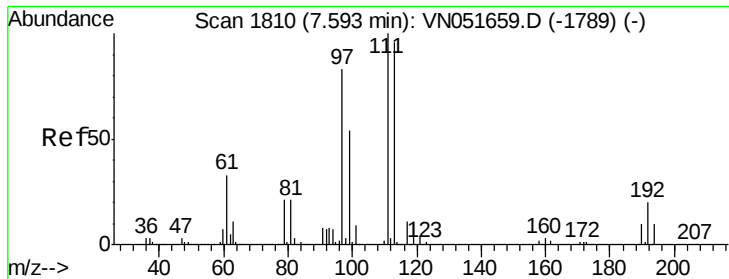
Tot Ion: 65 Resp: 390118
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051738.D
 Acq: 8 Oct 2018 16:13

Tgt Ion: 114 Resp: 941522
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 14.4 0.0 30.2

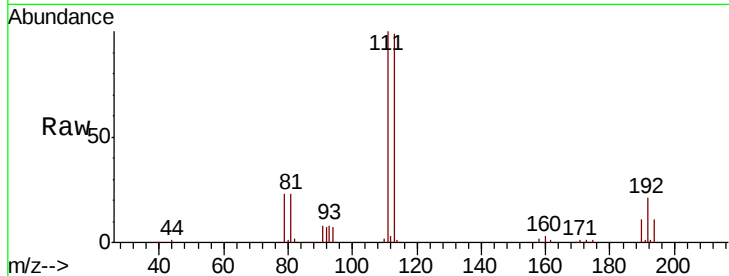




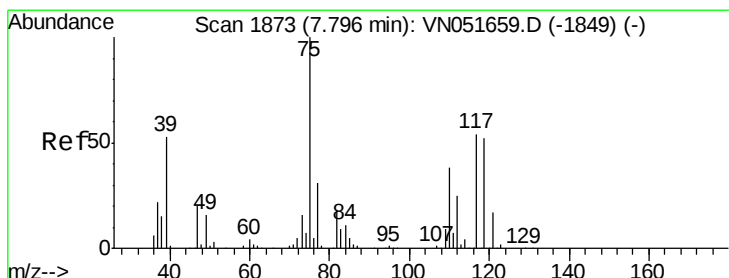
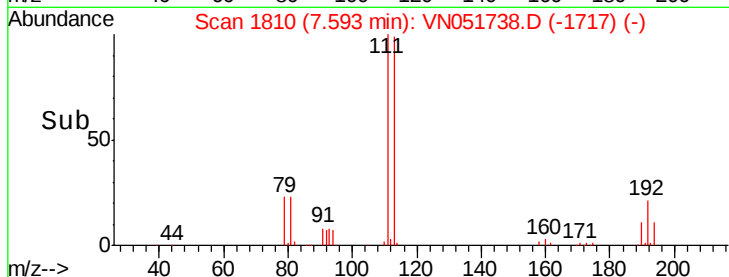
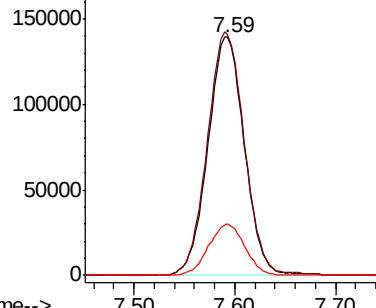
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
TR-05-100418

Tot Ion:113 Resp: 349322
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 21.5 16.5 24.7

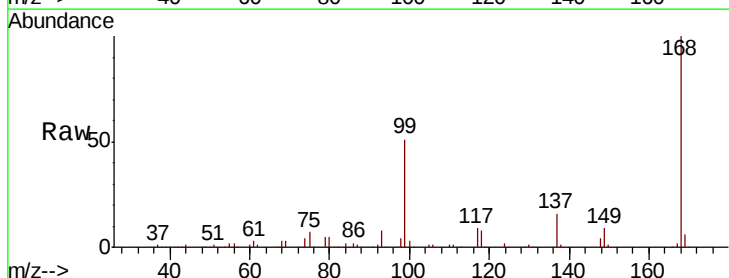


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

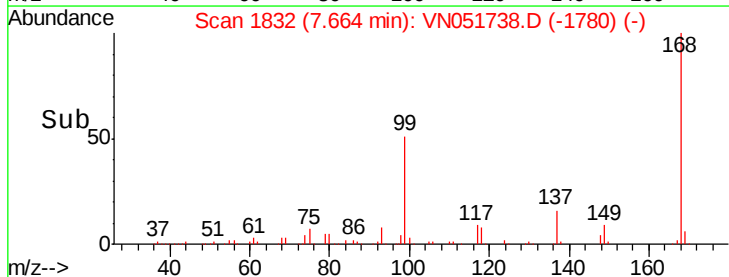
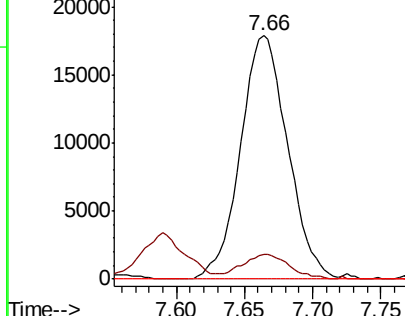


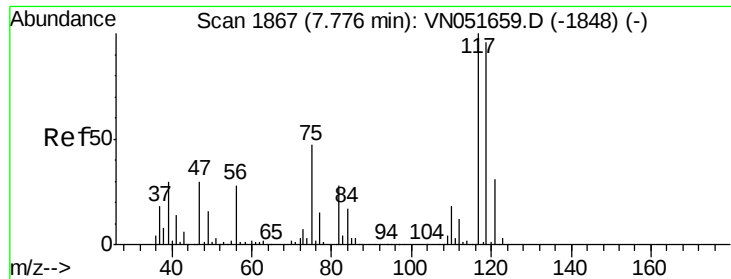
#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Tgt Ion: 75 Resp: 42997
Ion Ratio Lower Upper
75 100
110 10.3 19.3 57.8#
77 0.0 24.7 37.1#



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

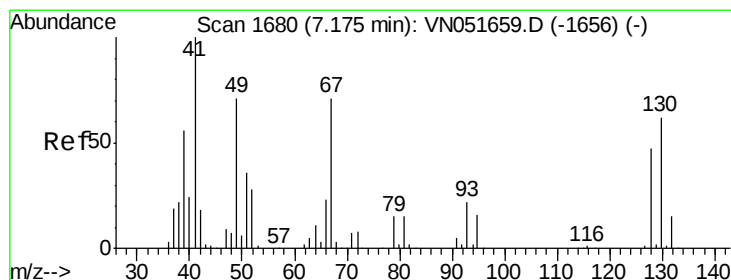
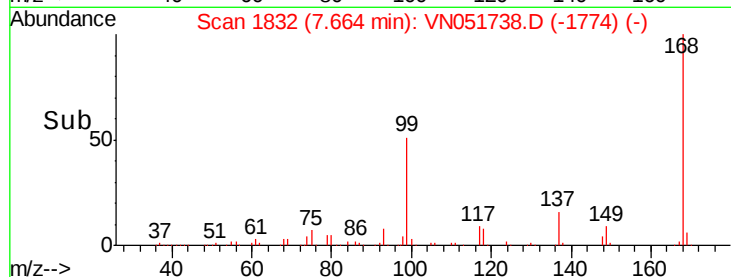
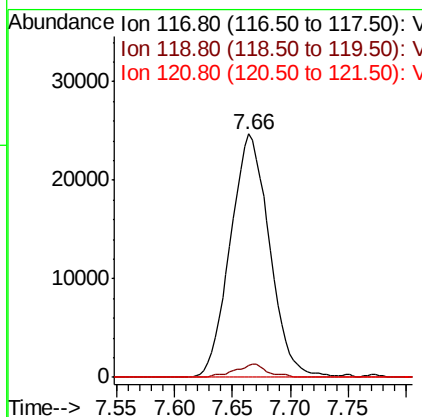
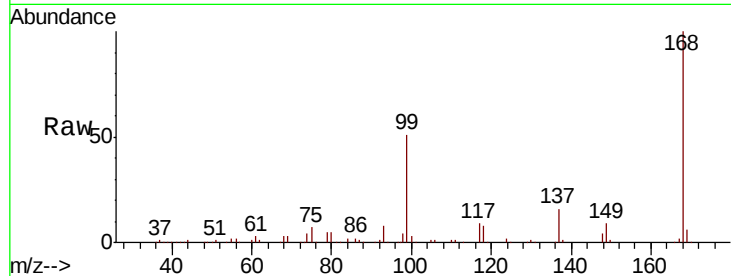




#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

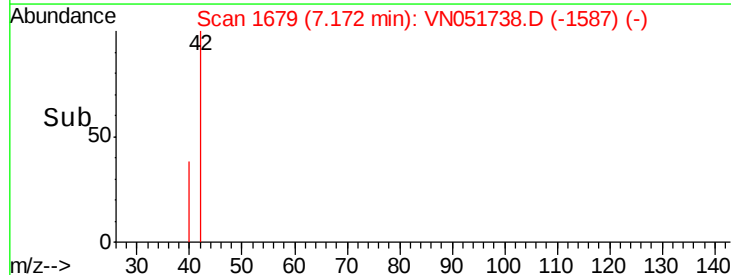
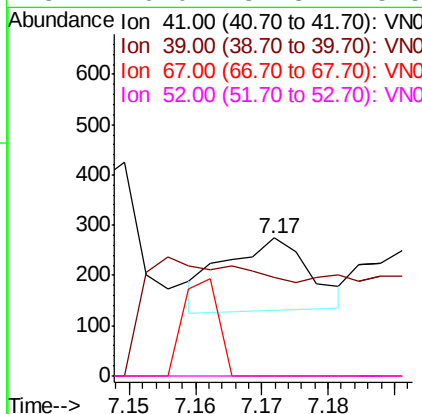
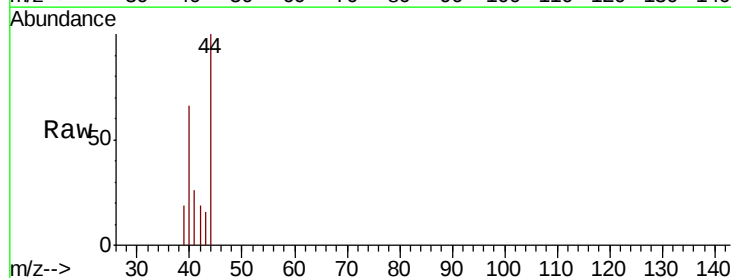
Instrument :
MSVOA_N
ClientSampleId :
TR-05-100418

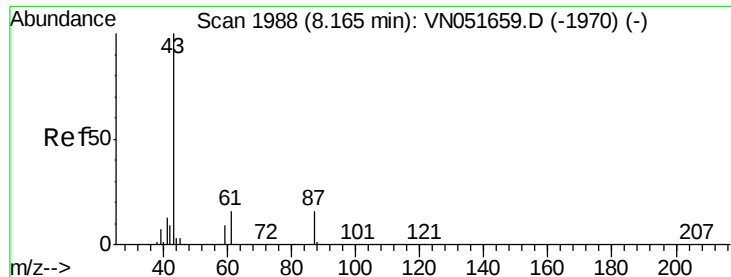
Tot Ion:117 Resp: 58063
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.6#
121 0.0 25.0 37.6#



#41
Methacrylonitrile
Concen: Below Cal
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Tgt Ion: 41 Resp: 129
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#





#43

Isopropyl Acetate

Concen: 2.680 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.10 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100418

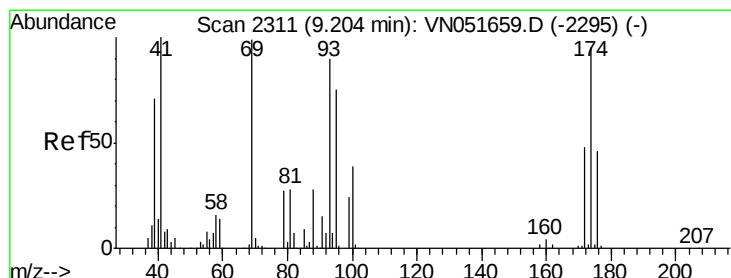
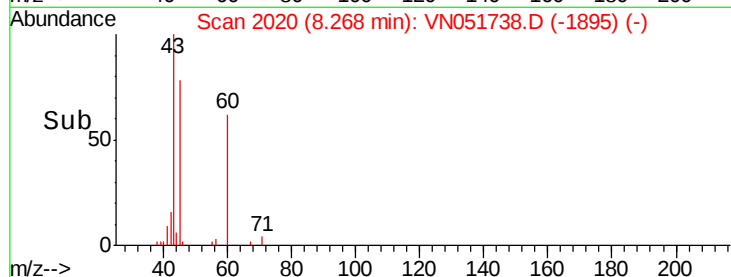
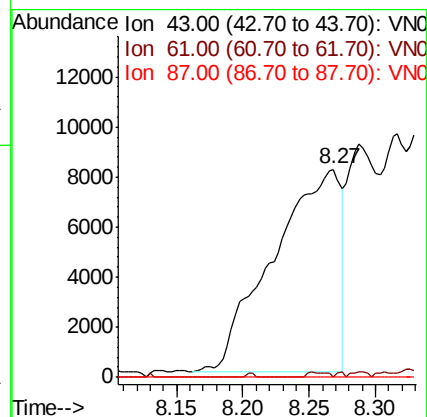
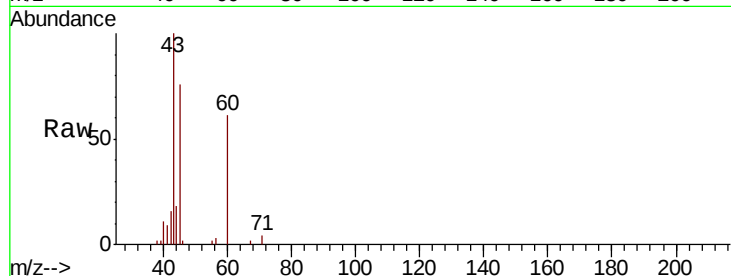
Tot Ion: 43 Resp: 28675

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 12.6 19.0#



#49

1,4-Dioxane

Concen: 0.859 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

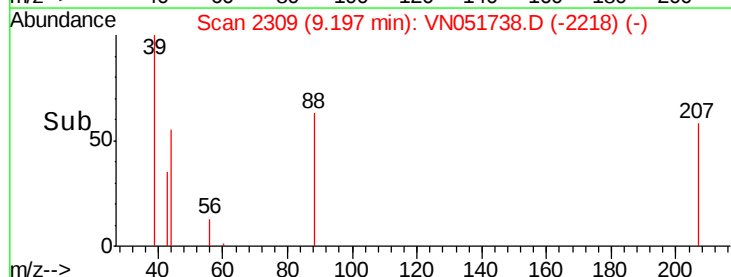
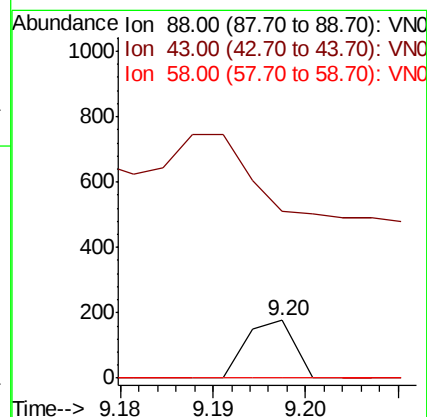
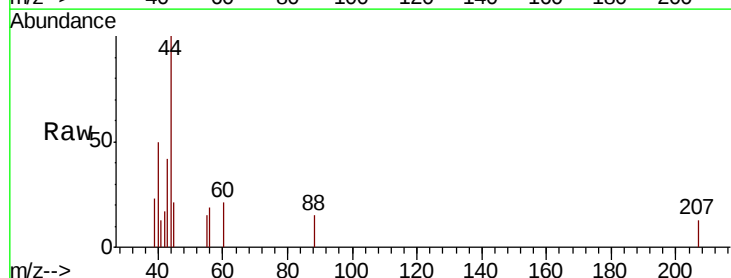
Tgt Ion: 88 Resp: 63

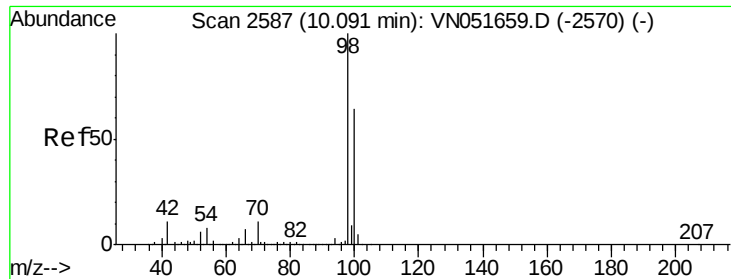
Ion Ratio Lower Upper

88 100

43 452.4 24.5 36.7#

58 0.0 47.6 71.4#





#50

Toluene-d8

Concen: 0.859 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

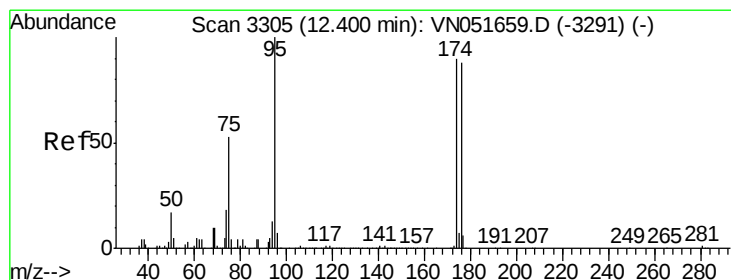
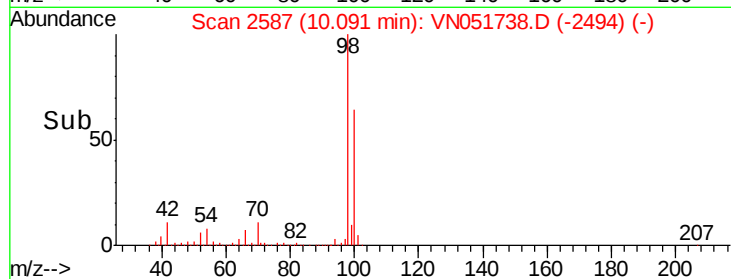
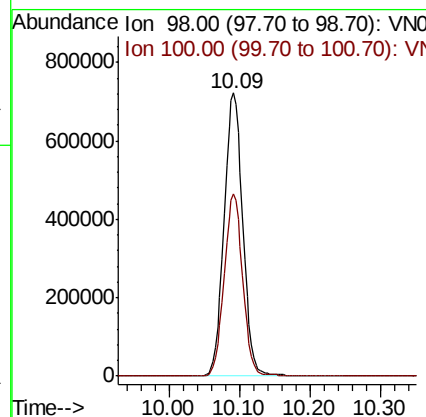
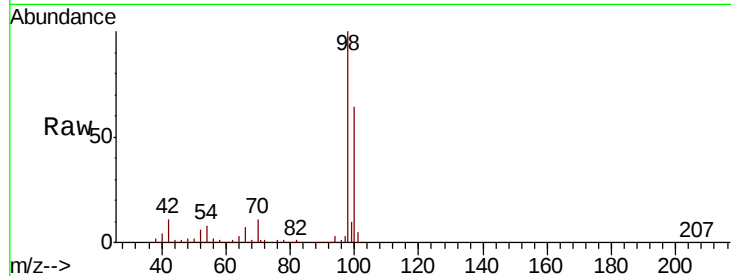
TR-05-100418

Tot Ion: 98 Resp: 1338636

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

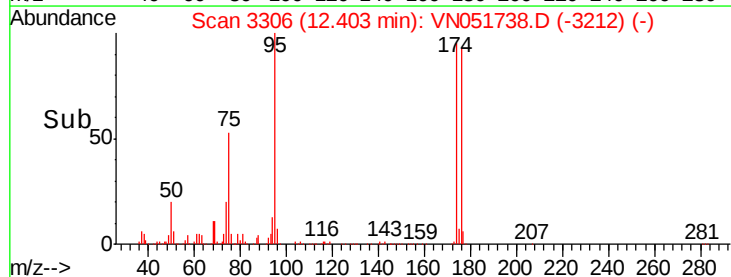
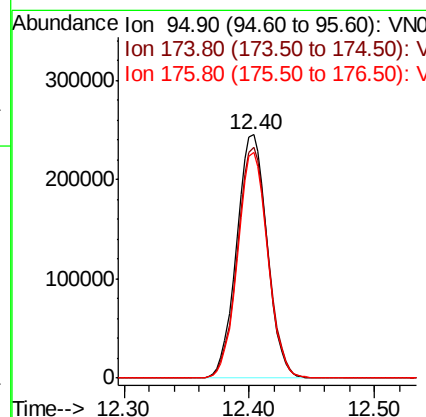
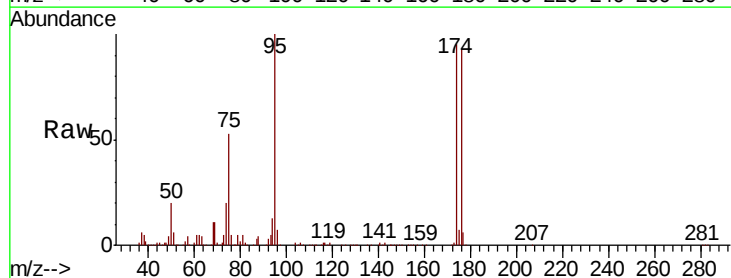
Tgt Ion: 95 Resp: 415493

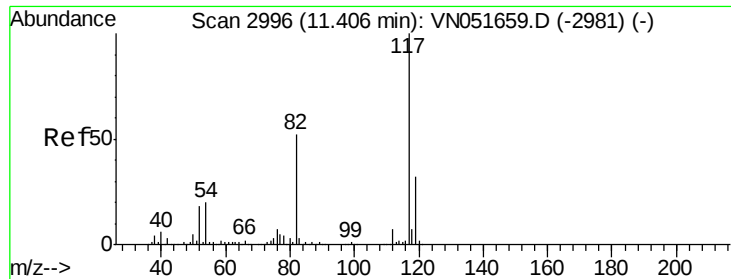
Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.8

176 91.2 0.0 176.4

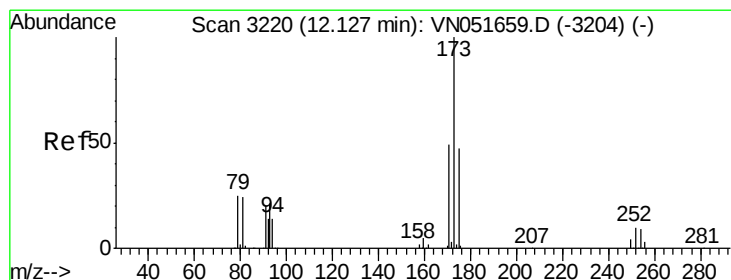
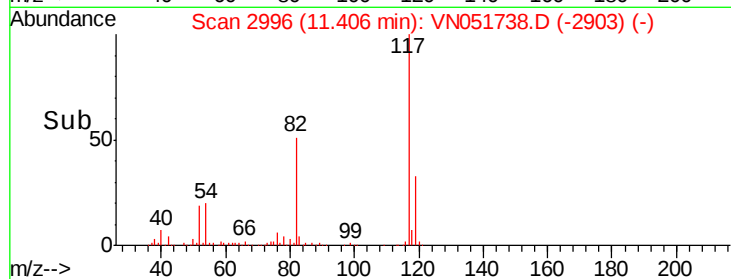
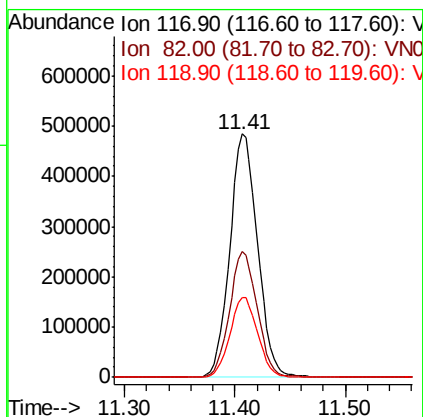
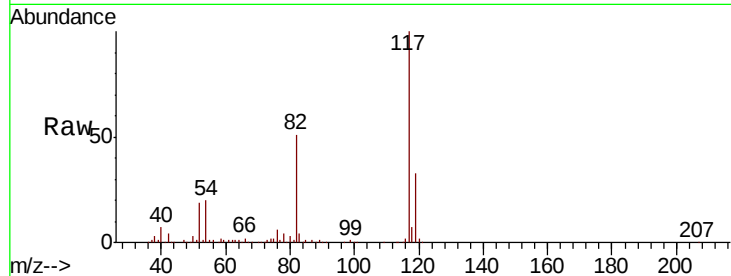




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

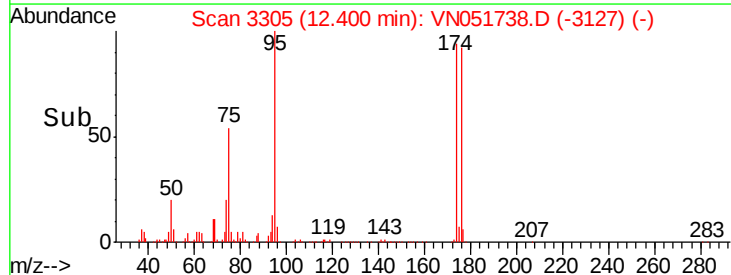
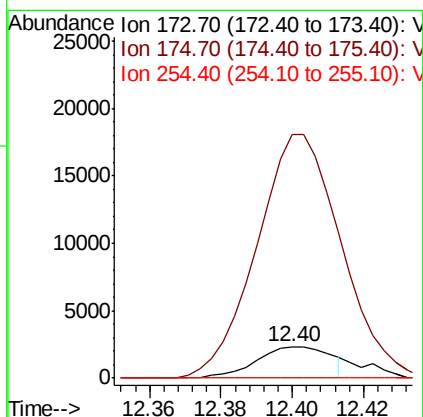
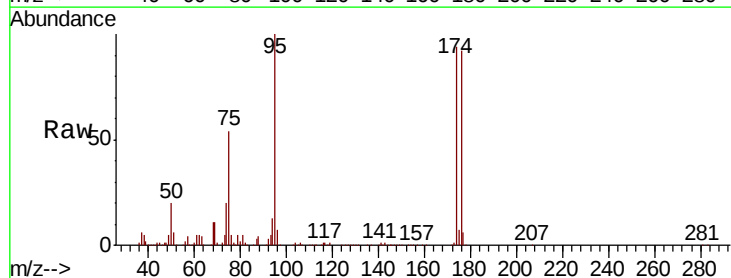
Instrument :
MSVOA_N
ClientSampleId :
TR-05-100418

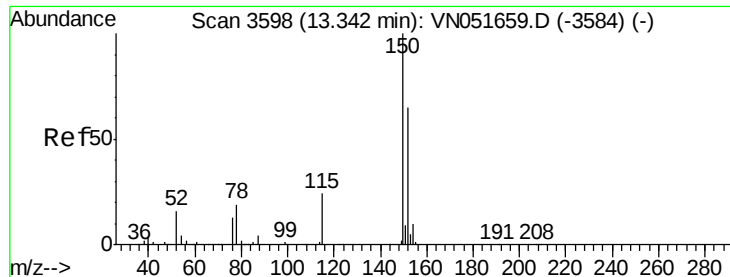
Tot Ion:117 Resp: 845538
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 33.0 25.9 38.9



#71
Bromoform
Concen: 0.536 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051738.D
Acq: 8 Oct 2018 16:13

Tgt Ion:173 Resp: 3340
Ion Ratio Lower Upper
173 100
175 770.6 24.0 72.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100418

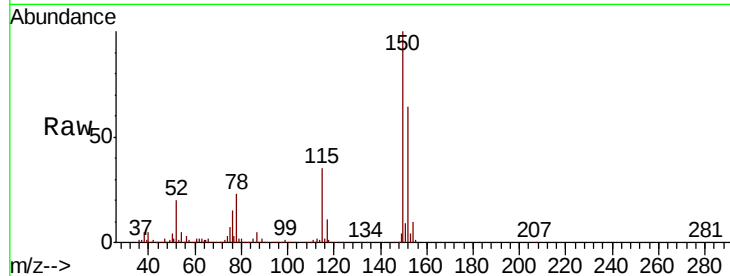
Tot Ion:152 Resp: 386446

Ion Ratio Lower Upper

152 100

115 55.0 28.6 85.8

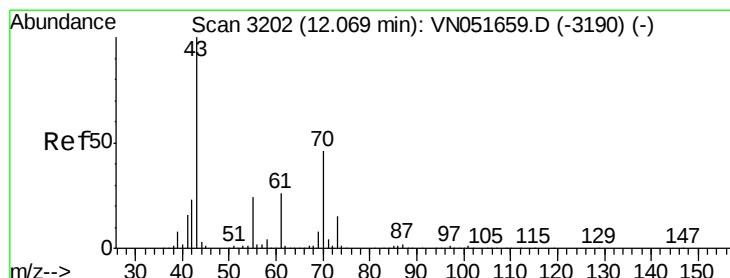
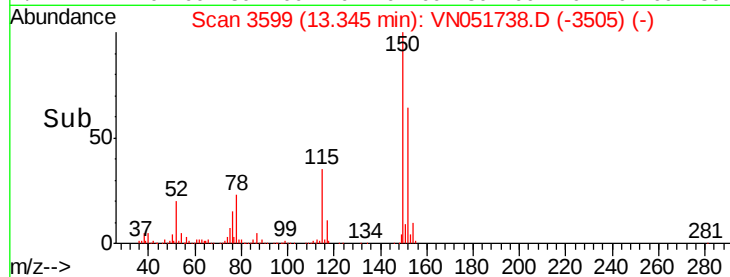
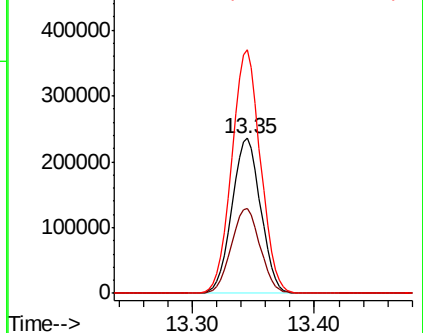
150 156.8 0.0 352.4



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: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Tgt Ion: 43 Resp: 612

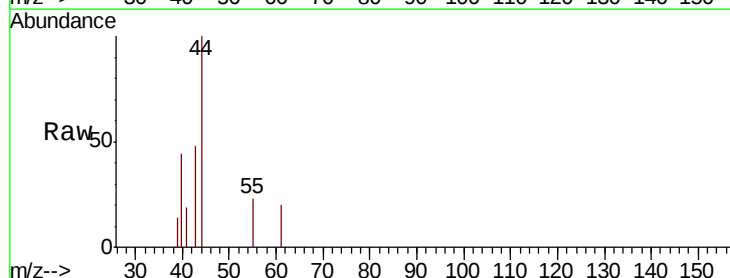
Ion Ratio Lower Upper

43 100

70 0.0 37.1 55.7#

55 70.6 19.1 28.7#

61 46.6 20.8 31.2#

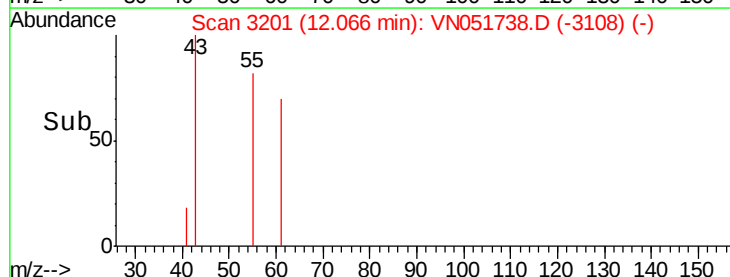
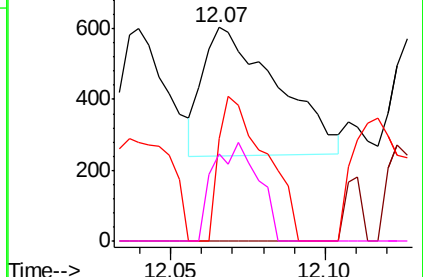


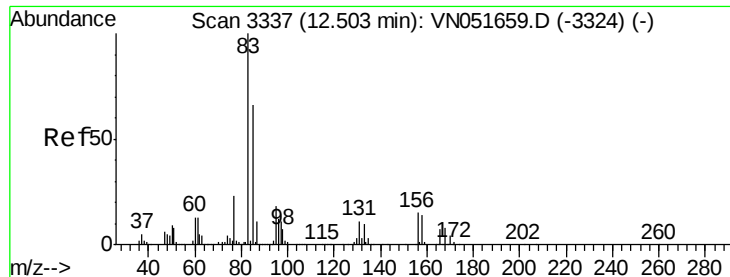
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3334

Delta R.T. -0.01 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100418

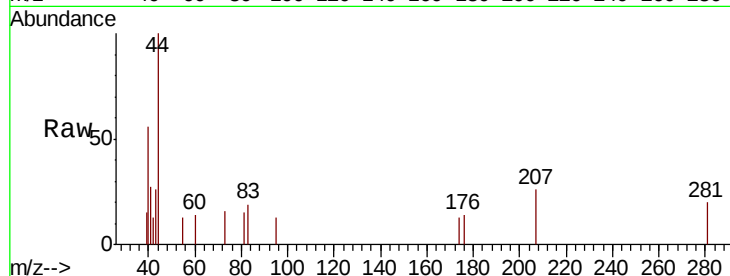
Tot Ion: 83 Resp: 124

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

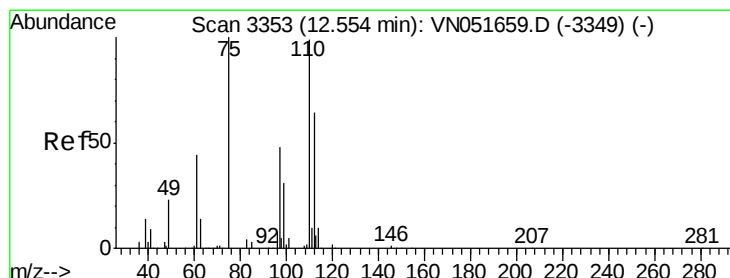
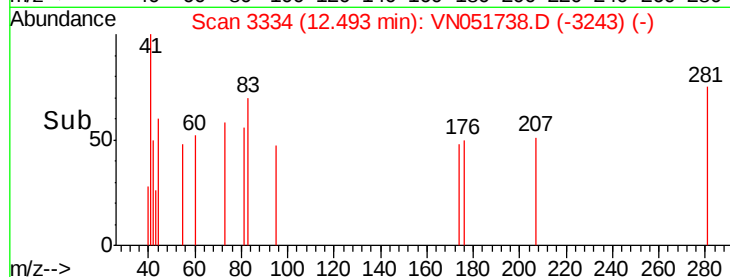
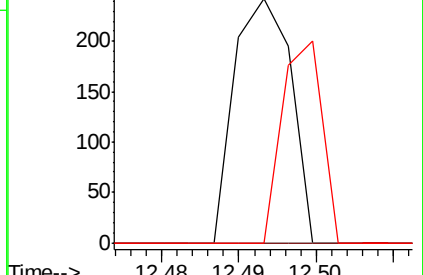
85 58.9 33.0 98.9



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



#76

1,2,3-Trichloropropane

Concen: 46.071 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051738.D

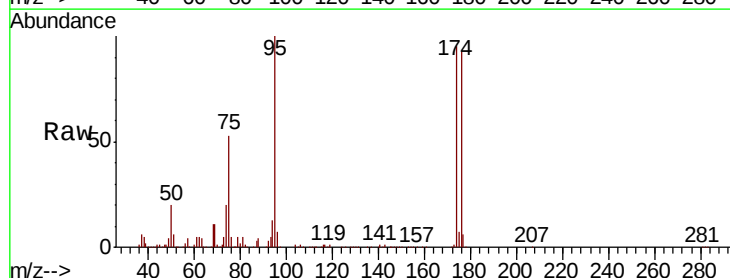
Acq: 8 Oct 2018 16:13

Tgt Ion: 75 Resp: 222770

Ion Ratio Lower Upper

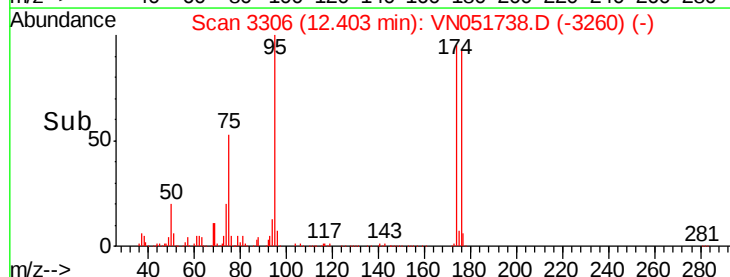
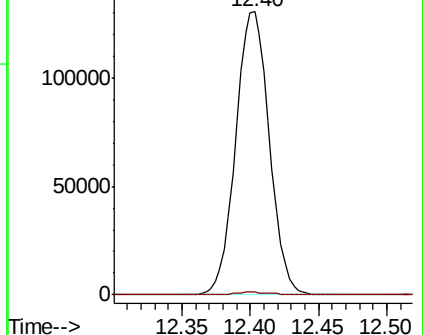
75 100

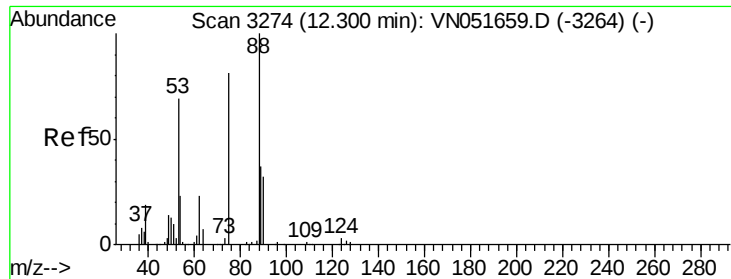
77 1.1 0.0 0.0#



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: 105.964 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100418

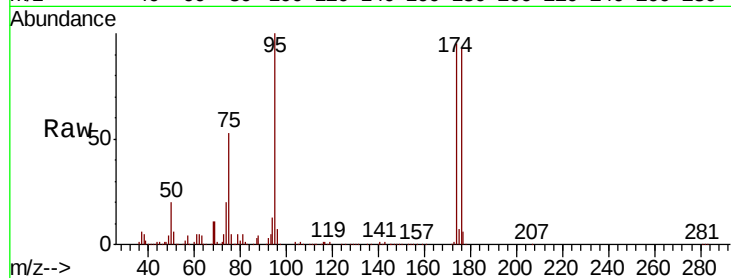
Tot Ion: 75 Resp: 222770

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

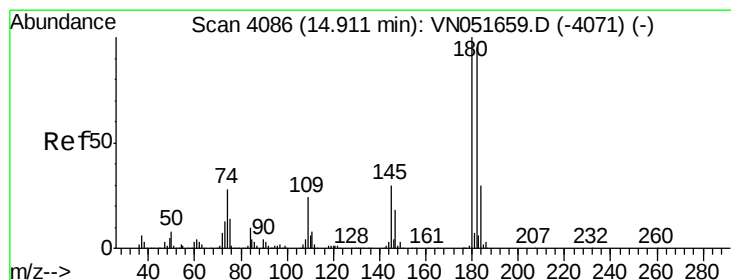
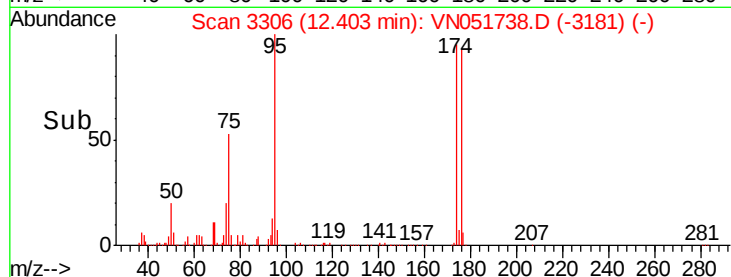
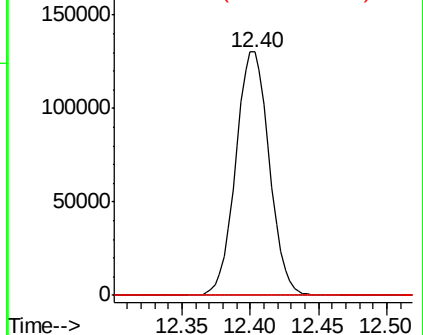
89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): 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: 0.274 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

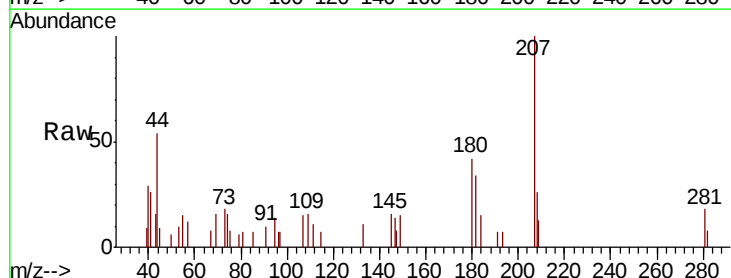
Tgt Ion:180 Resp: 1701

Ion Ratio Lower Upper

180 100

182 98.5 47.7 143.1

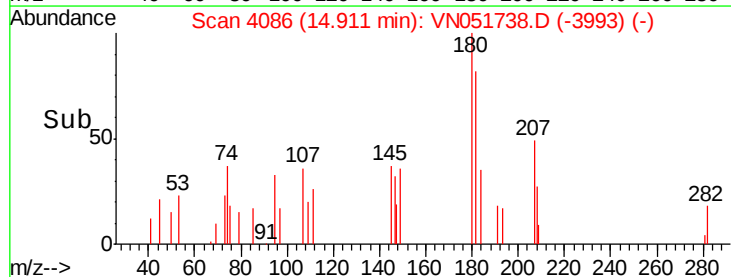
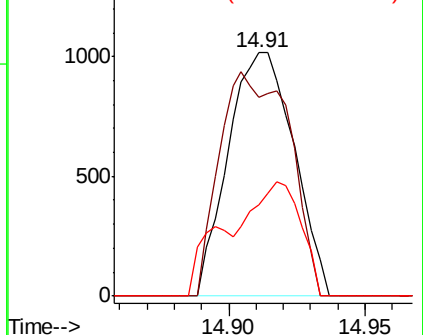
145 36.8 15.3 45.9

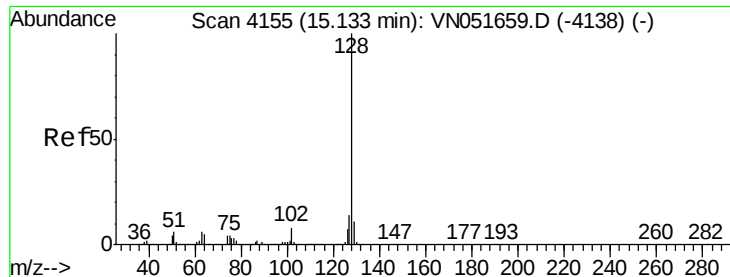


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.456 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100418

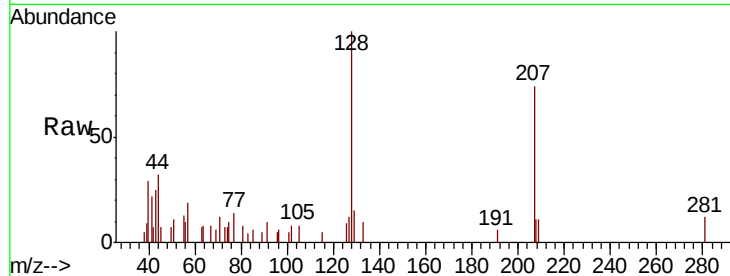
Tot Ion:128 Resp: 6113

Ion Ratio Lower Upper

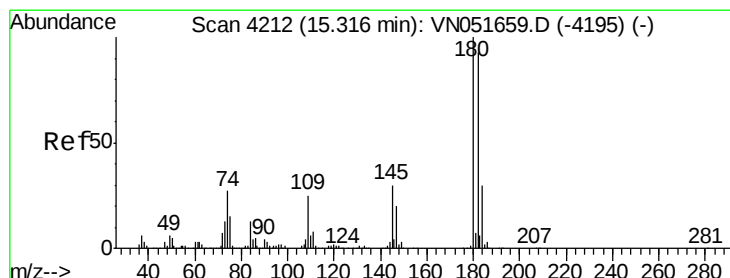
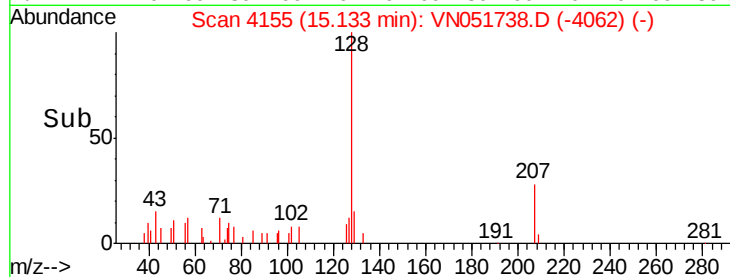
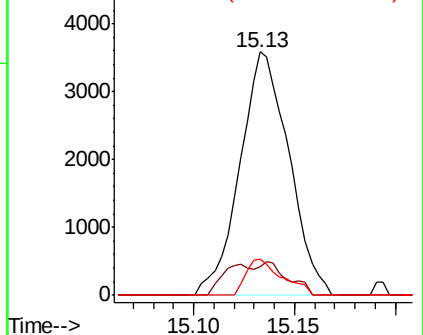
128 100

127 8.0 10.6 15.8#

129 10.9 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



#96

1,2,3-Trichlorobenzene

Concen: 0.298 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN051738.D

Acq: 8 Oct 2018 16:13

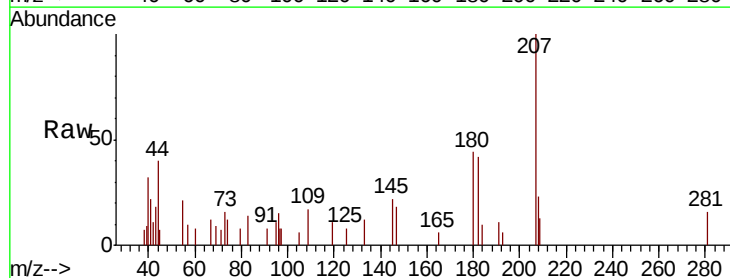
Tgt Ion:180 Resp: 1824

Ion Ratio Lower Upper

180 100

182 99.8 47.3 141.8

145 43.7 15.6 46.8



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

