

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050919.D
 Acq On : 28 Aug 2018 17:48
 Operator : MD\SY
 Sample : VN0828WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL02

Quant Time: Aug 29 03:52:52 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	626354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256548	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	398508	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.60	113	380916	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.09	98	1363930	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.40	95	347489	36.17	ug/l	0.00
Spiked Amount			Recovery	=	72.34%	

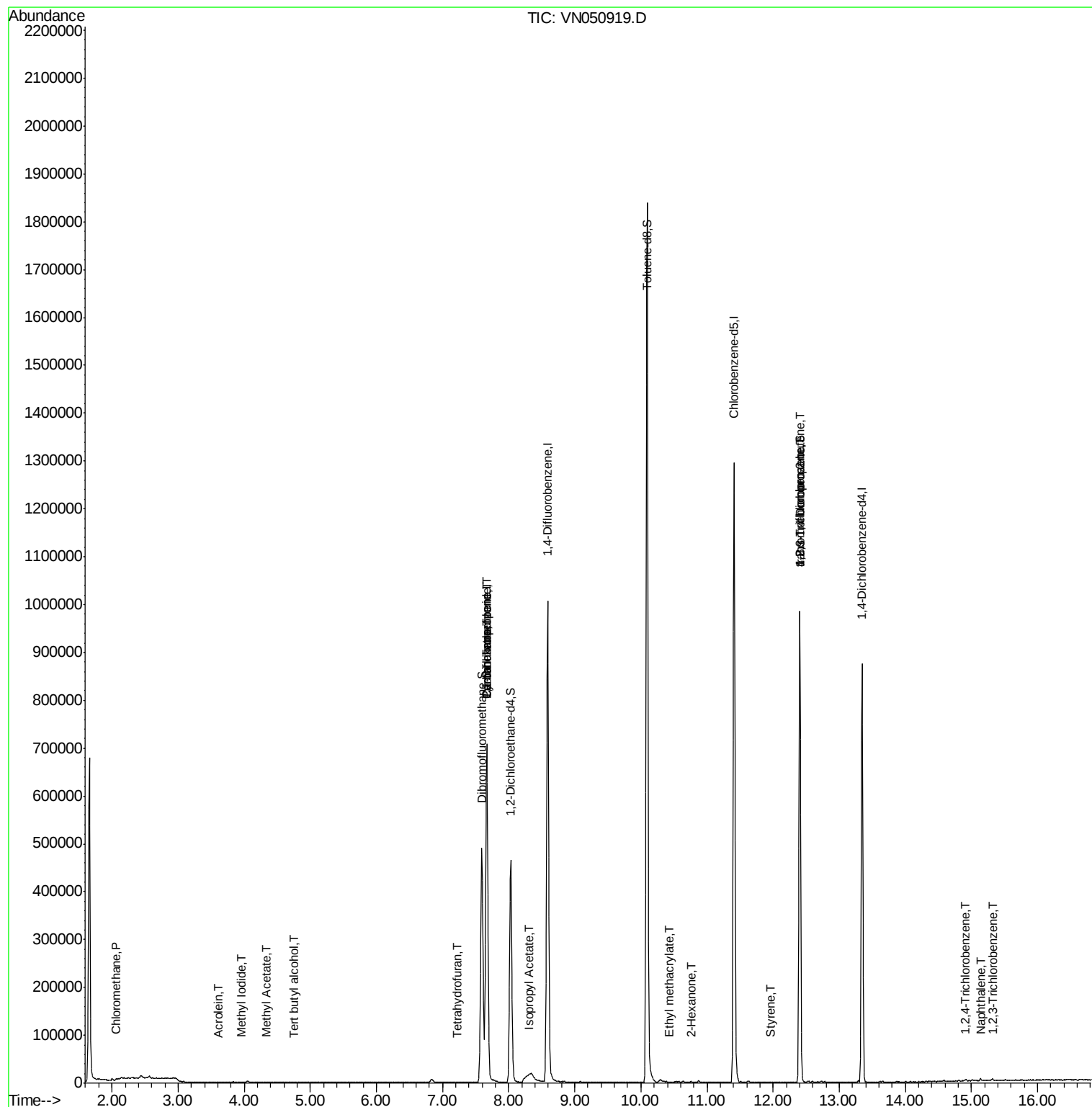
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2149	0.21	ug/l	94
5) Bromomethane	2.57	94	2622	Below	Cal	100
10) Methyl Iodide	3.96	142	1380	6.52	ug/l #	68
11) Tert butyl alcohol	4.77	59	114	0.24	ug/l #	72
13) Acrolein	3.61	56	63	18.12	ug/l #	14
16) Acetone	3.82	43	826	Below	Cal	89
18) Methyl Acetate	4.34	43	3461	0.49	ug/l #	66
29) Tetrahydrofuran	7.22	42	425	0.24	ug/l #	33
31) Cyclohexane	7.67	56	11155	1.33	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42168	3.68	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54593	4.71	ug/l #	16
43) Isopropyl Acetate	8.30	43	19983	1.76	ug/l #	58
56) Ethyl methacrylate	10.43	69	134	2.36	ug/l #	28
59) 2-Hexanone	10.76	43	1601	0.36	ug/l	63
70) Styrene	11.97	104	825	1.31	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.51	83	313	Below	Cal #	70
76) 1,2,3-Trichloropropane	12.40	75	163437	36.37	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163437	122.96	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1260	4.32	ug/l	92
94) Hexachlorobutadiene	15.01	225	410	Below	Cal #	68
95) Naphthalene	15.14	128	3752	5.73	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	1569	3.61	ug/l #	78

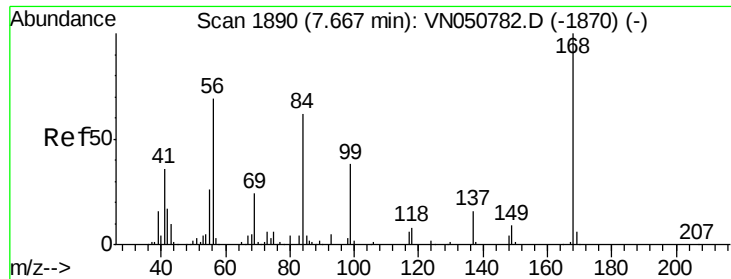
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
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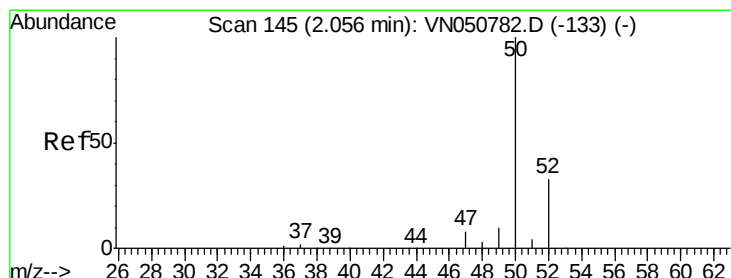
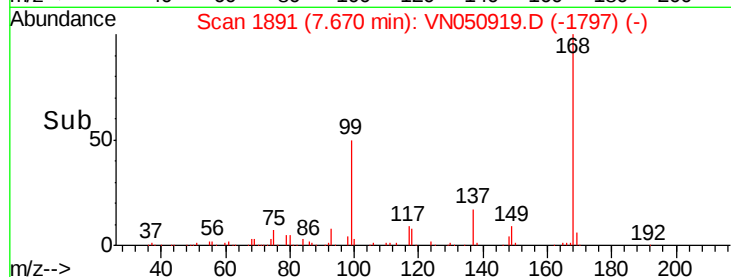
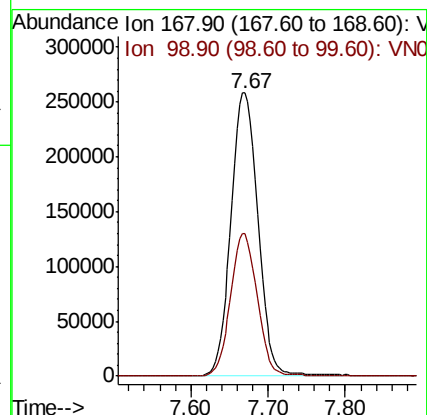
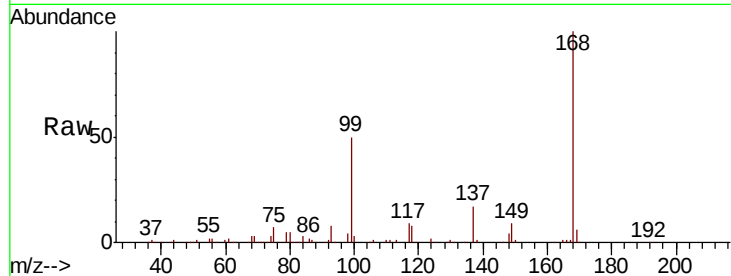




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

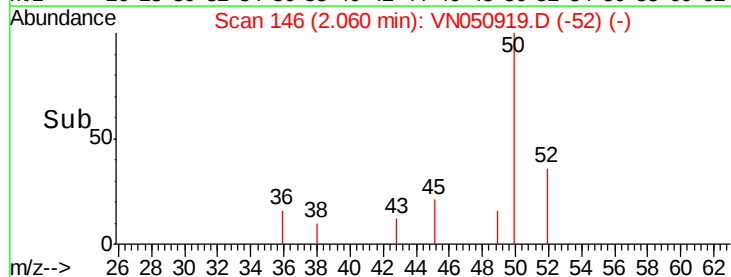
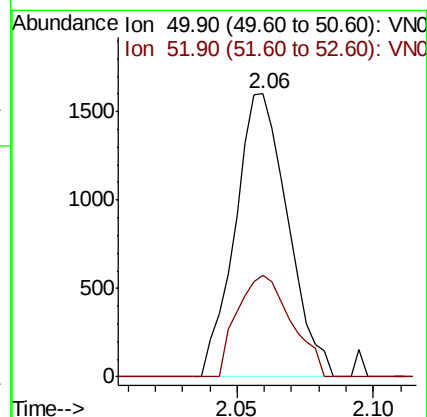
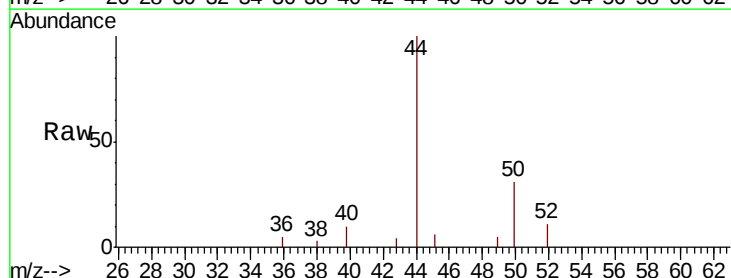
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL02

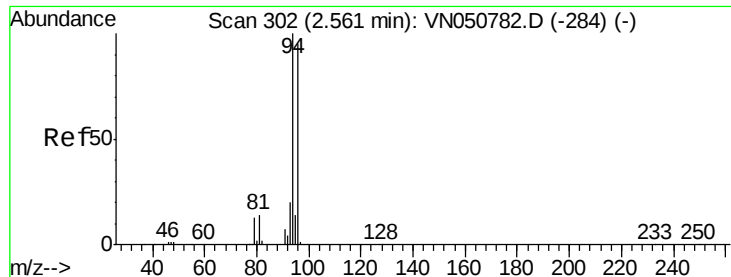
Tot Ion:168 Resp: 626354
Ion Ratio Lower Upper
168 100
99 50.2 39.6 59.4



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

Tgt Ion: 50 Resp: 2149
Ion Ratio Lower Upper
50 100
52 36.0 26.3 39.5





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampled :

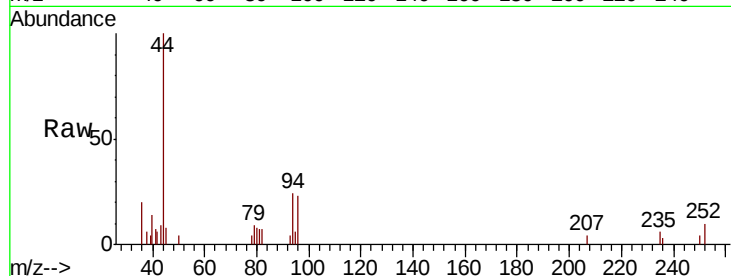
VN0828WBL02

Tot Ion: 94 Resp: 2622

Ion Ratio Lower Upper

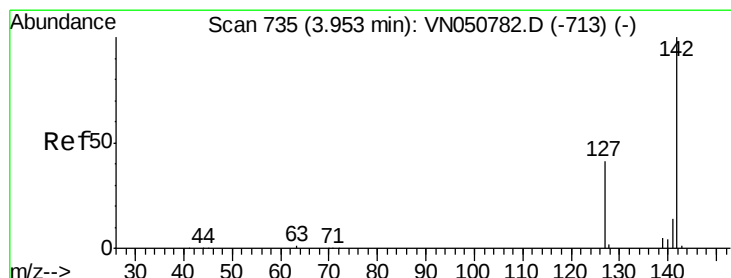
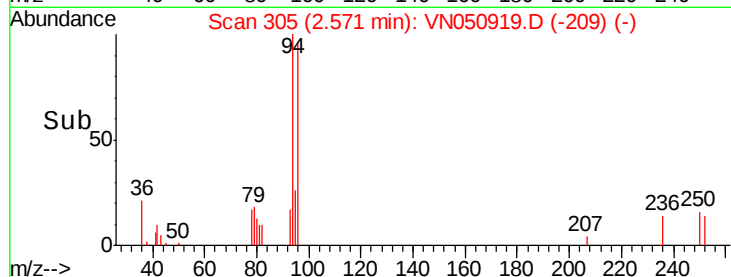
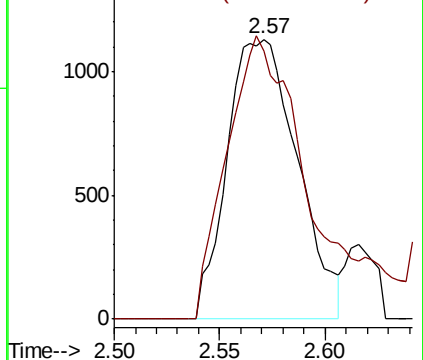
94 100

96 95.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 6.52 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

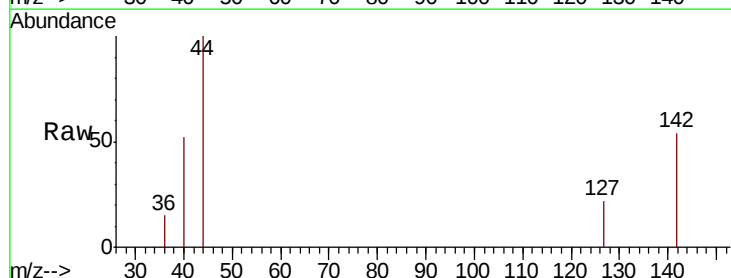
Tgt Ion: 142 Resp: 1380

Ion Ratio Lower Upper

142 100

127 20.7 31.7 47.5#

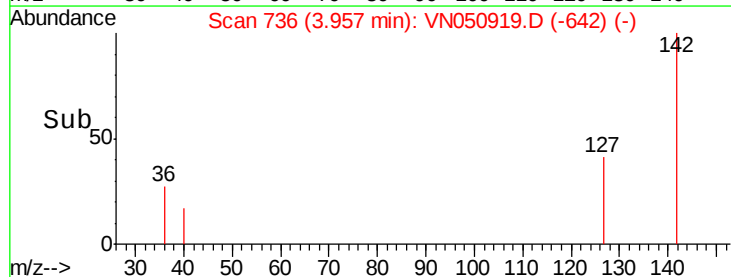
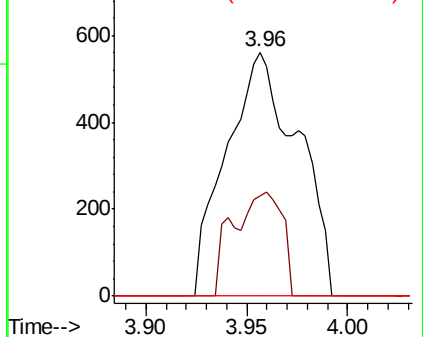
141 0.0 11.4 17.0#

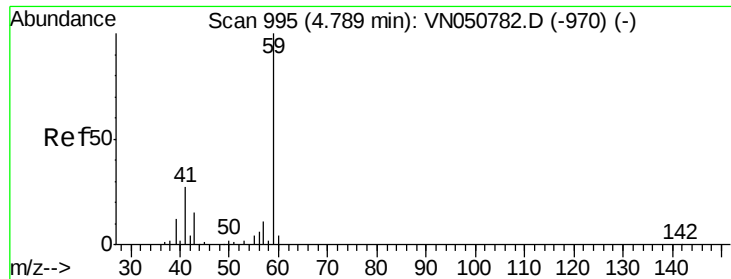


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



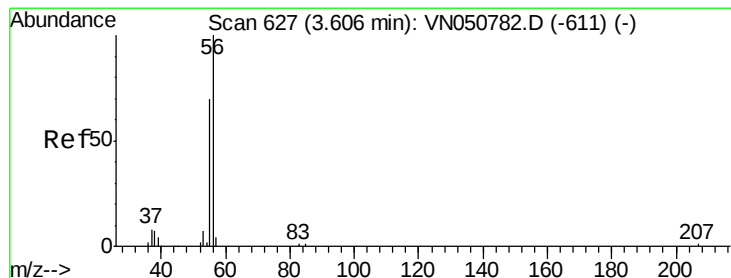
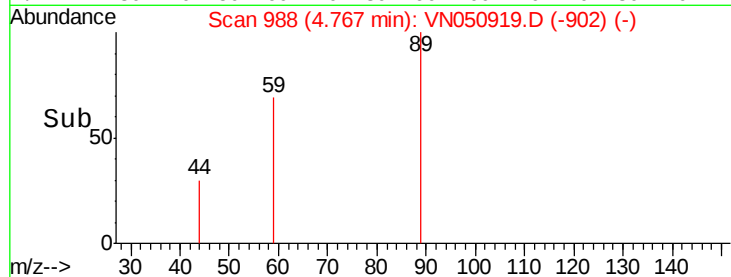
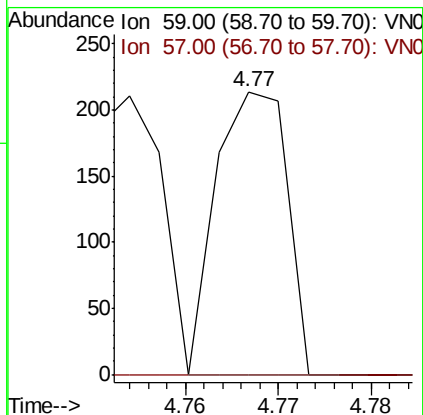
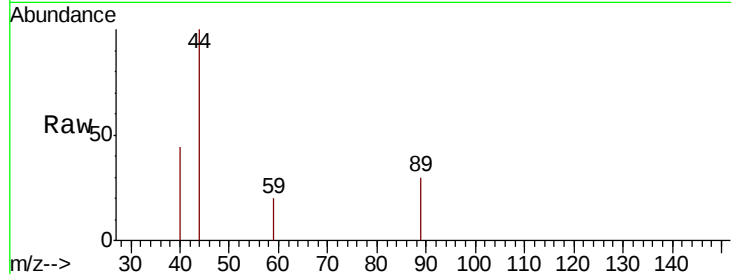


#11

Tert butyl alcohol
 Concen: 0.24 ug/l
 RT: 4.77 min Scan# 988
 Delta R.T. -0.02 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL02

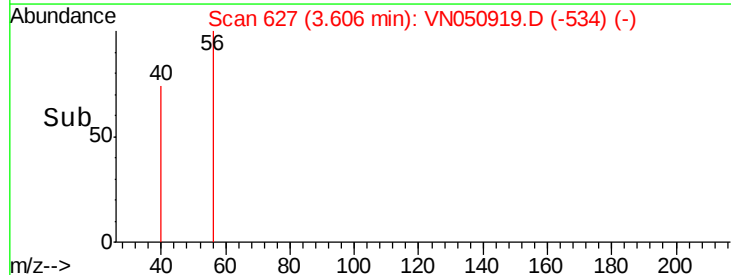
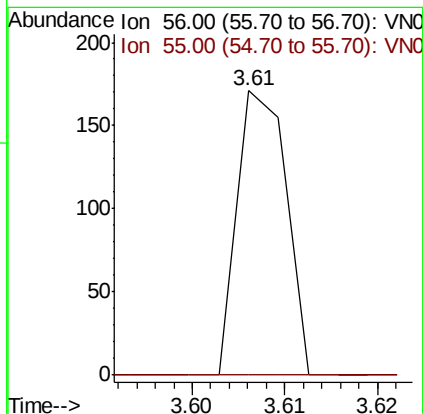
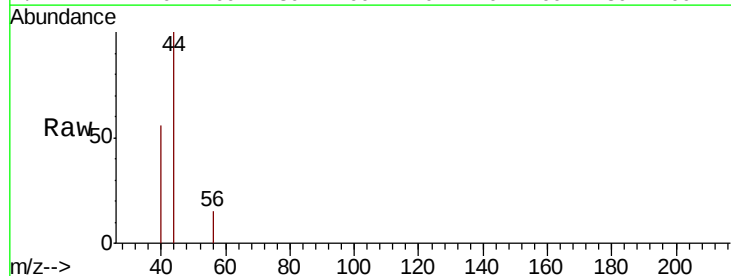
Tot Ion: 59 Resp: 114
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

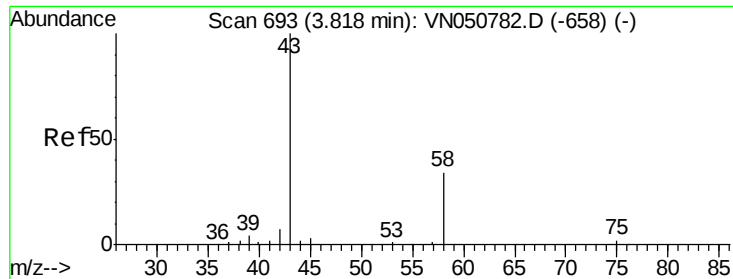


#13

Acrolein
 Concen: 18.12 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

Tgt Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.7 86.5#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

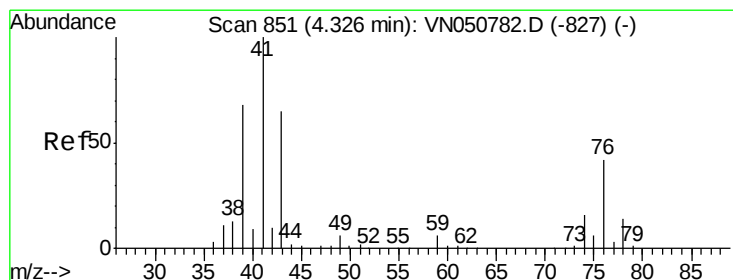
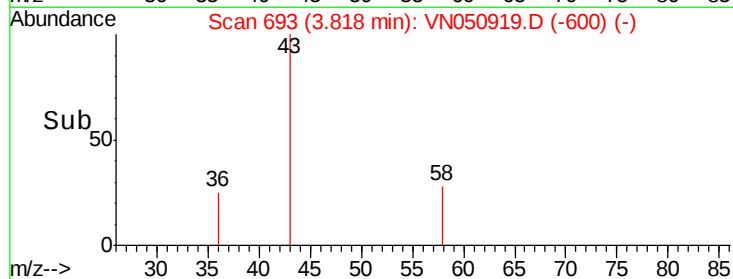
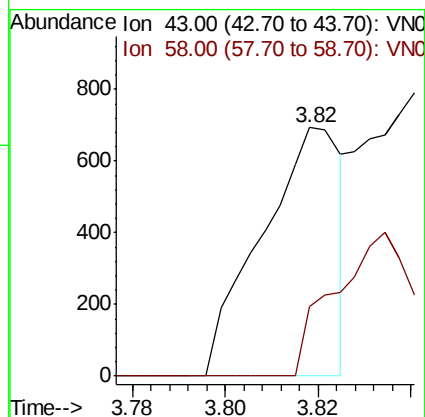
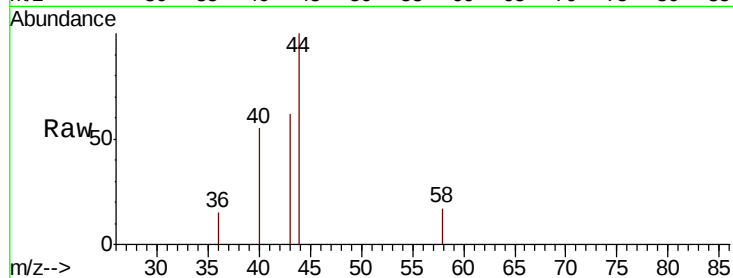
VN0828WBL02

Tot Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

58 28.0 27.2 40.8



#18

Methyl Acetate

Concen: 0.49 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050919.D

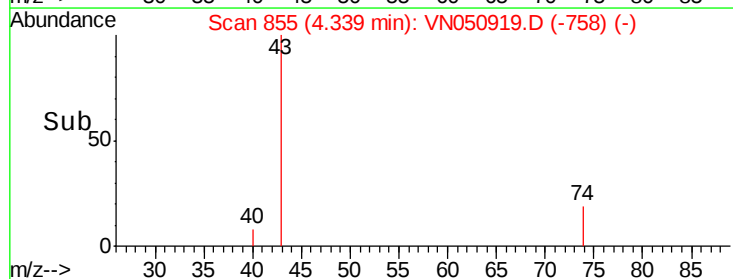
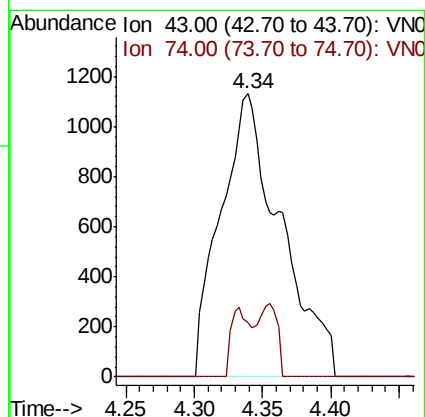
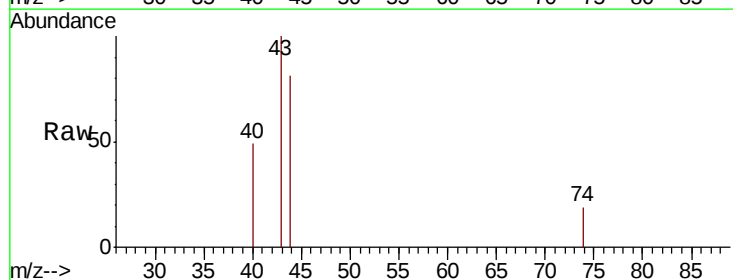
Acq: 28 Aug 2018 17:48

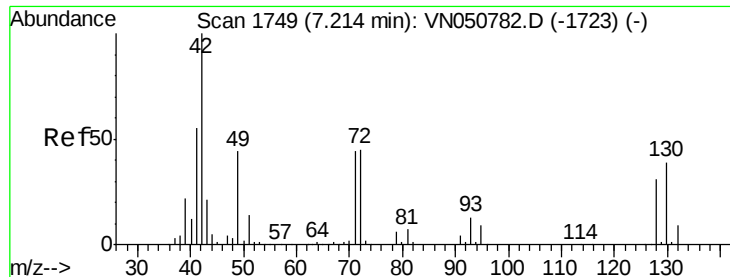
Tgt Ion: 43 Resp: 3461

Ion Ratio Lower Upper

43 100

74 7.6 19.8 29.8#





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

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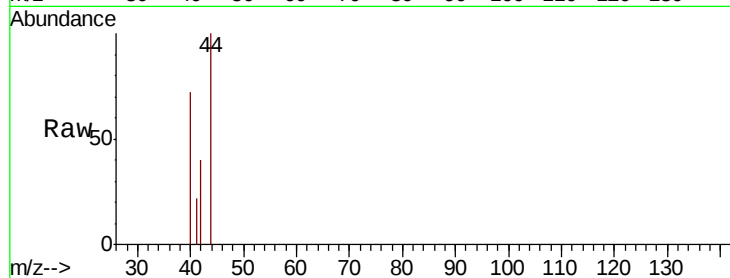
Tot Ion: 42 Resp: 425

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

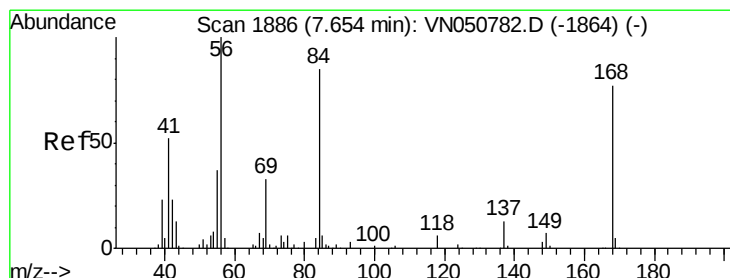
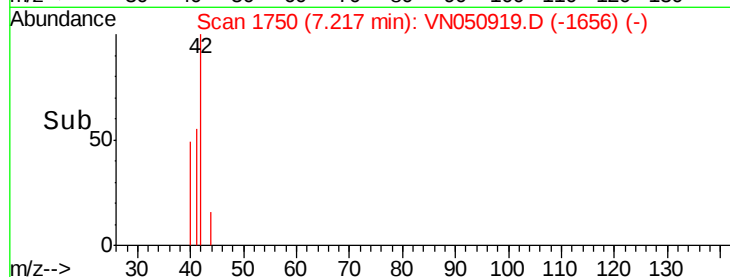
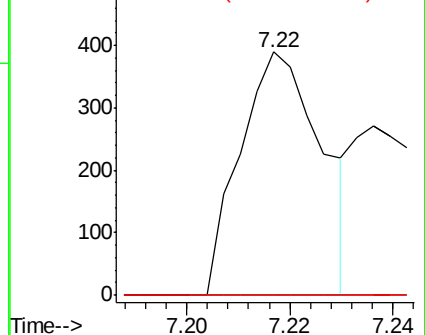
71 0.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

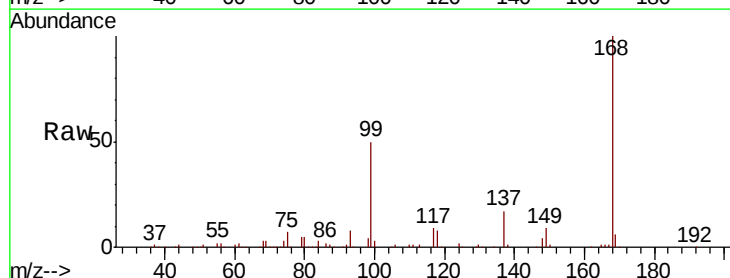
Tgt Ion: 56 Resp: 11155

Ion Ratio Lower Upper

56 100

69 183.4 26.2 39.4#

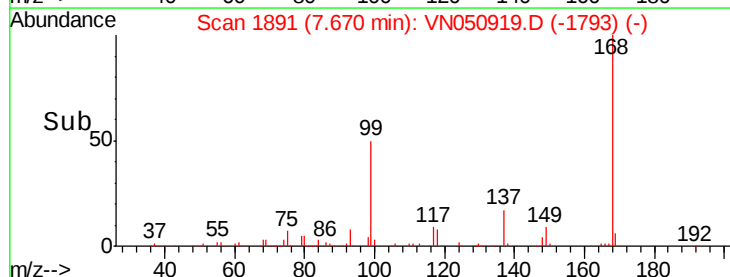
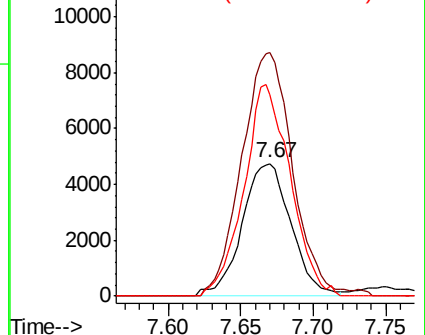
84 151.6 68.3 102.5#

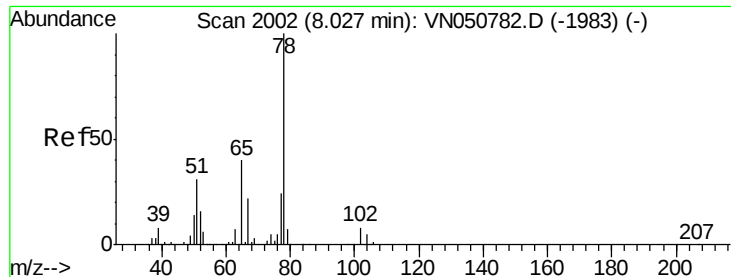


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

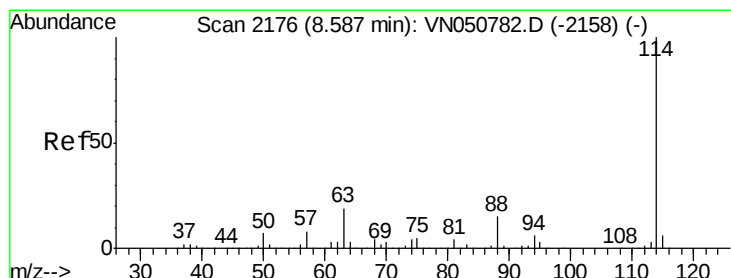
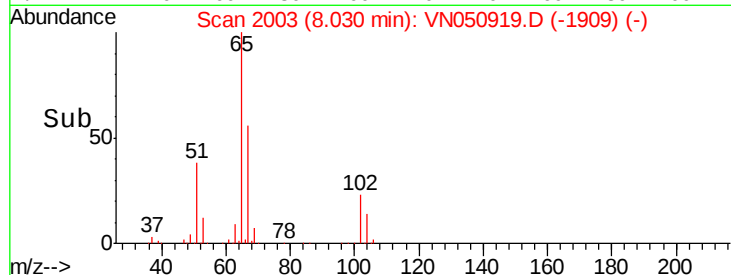
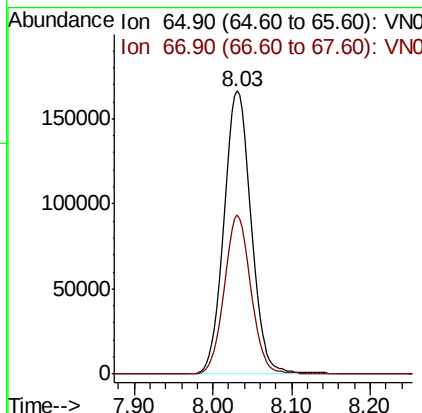
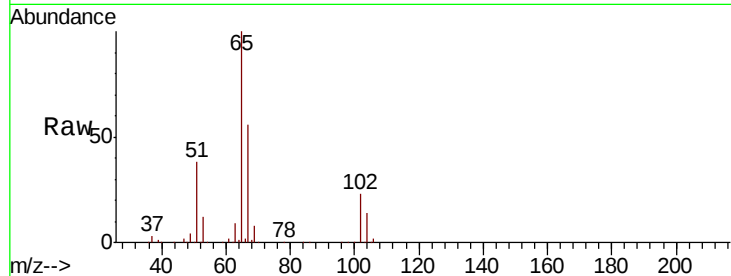




#33
 1,2-Dichloroethane-d4
 Concen: 52.85 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

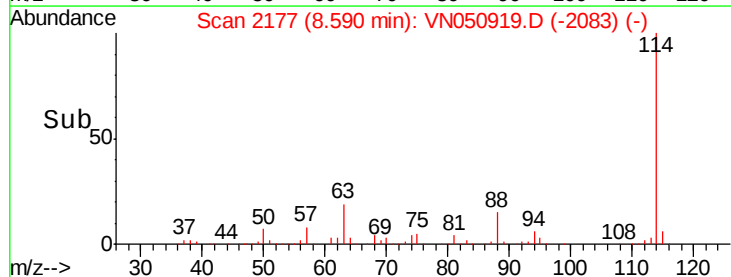
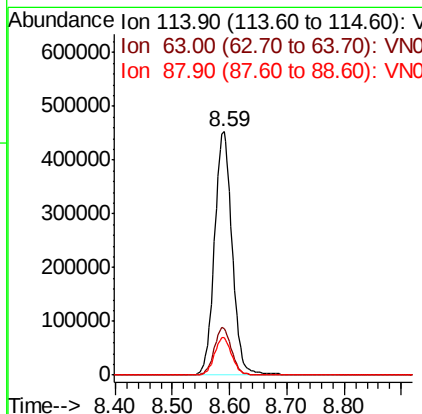
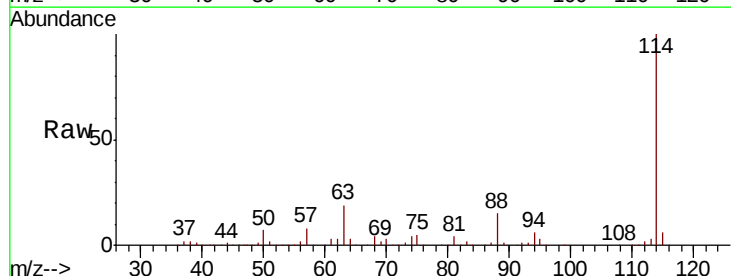
Instrument :
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 VN0828WBL02

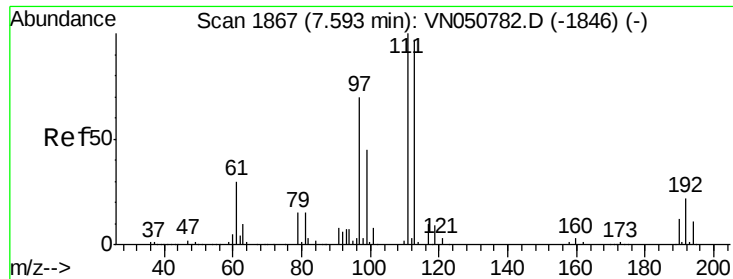
Tot Ion: 65 Resp: 398508
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

Tgt Ion: 114 Resp: 971954
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.6

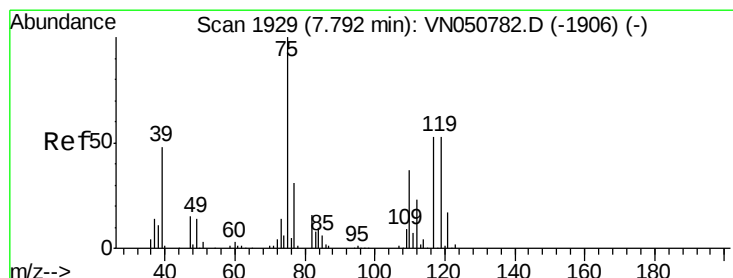
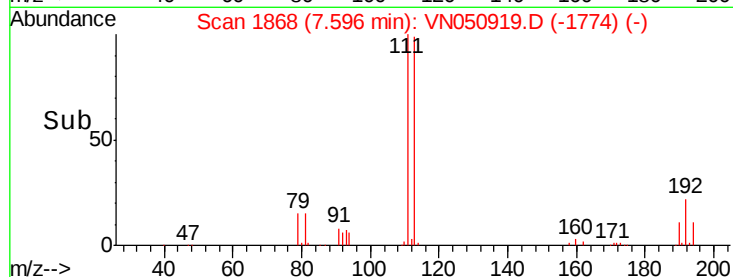
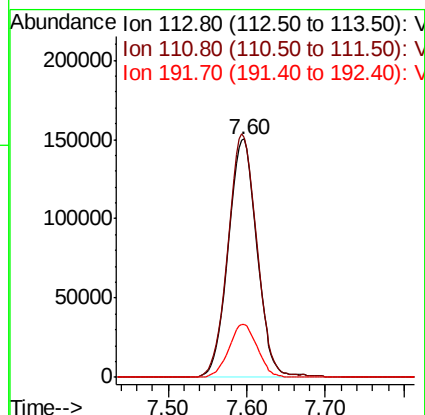
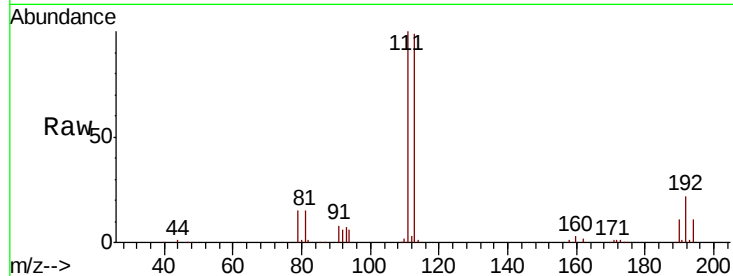




#35
 Dibromofluoromethane
 Concen: 49.26 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

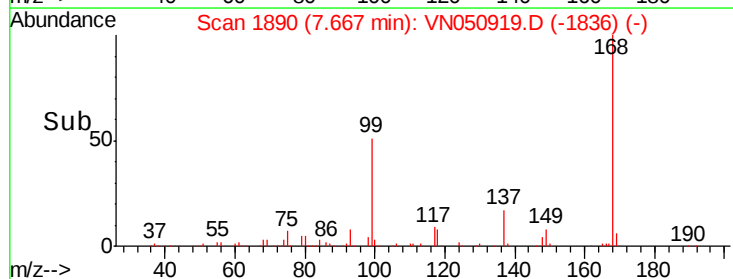
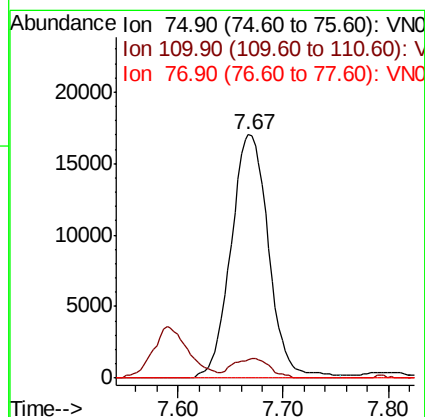
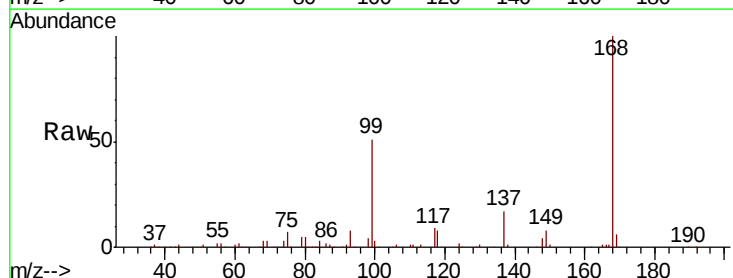
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL02

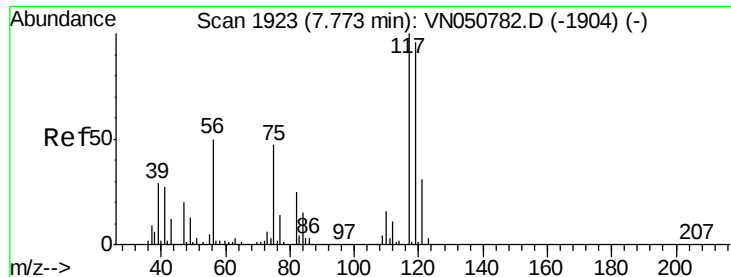
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	22.0	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.71 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBL02

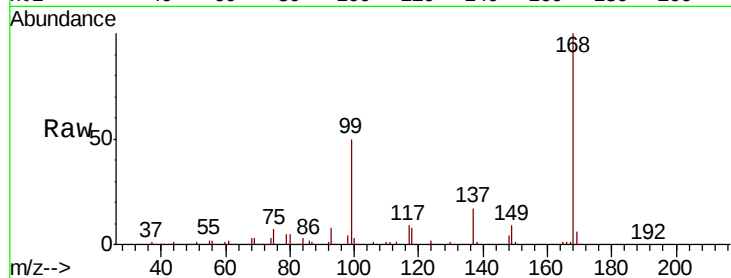
Tot Ion:117 Resp: 54593

Ion Ratio Lower Upper

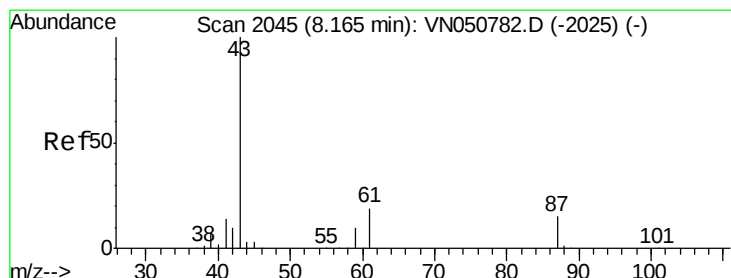
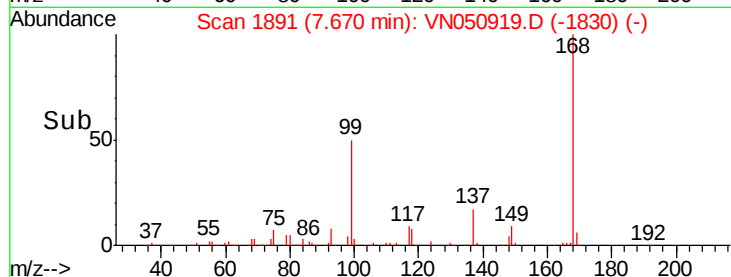
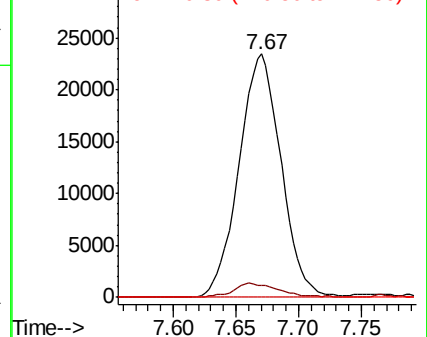
117 100

119 4.9 76.3 114.5#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.76 ug/l

RT: 8.30 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

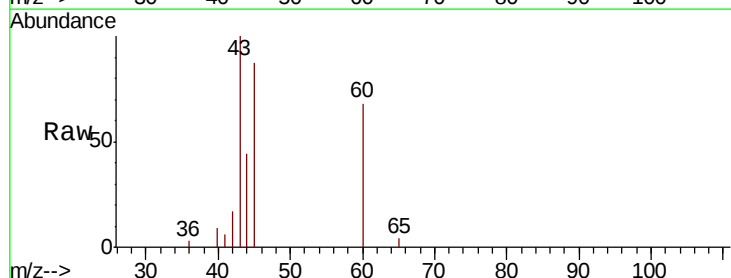
Tgt Ion: 43 Resp: 19983

Ion Ratio Lower Upper

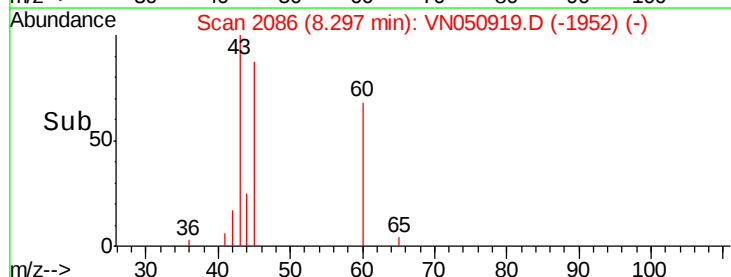
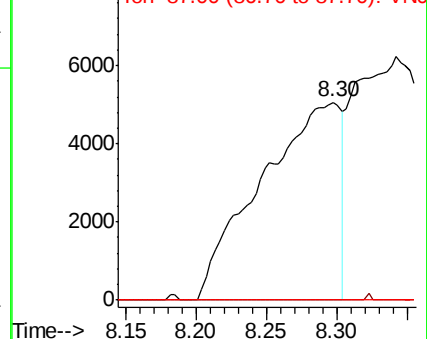
43 100

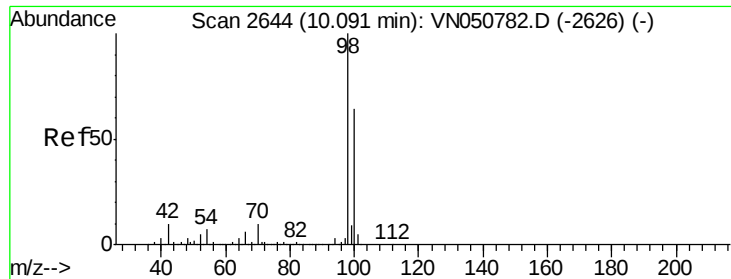
61 0.0 17.5 26.3#

87 0.0 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

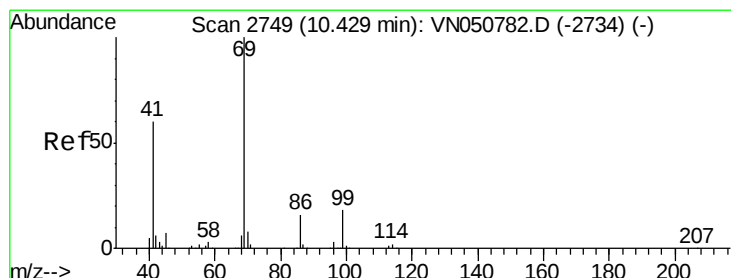
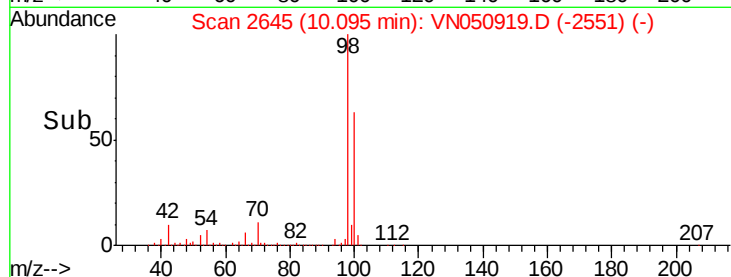
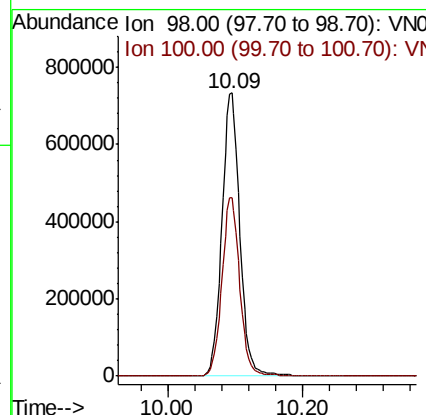
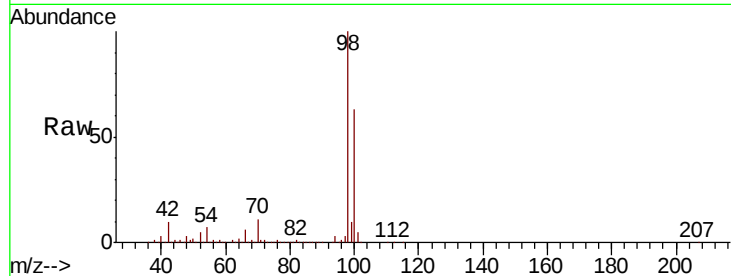




#50
Toluene-d8
Concen: 47.18 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

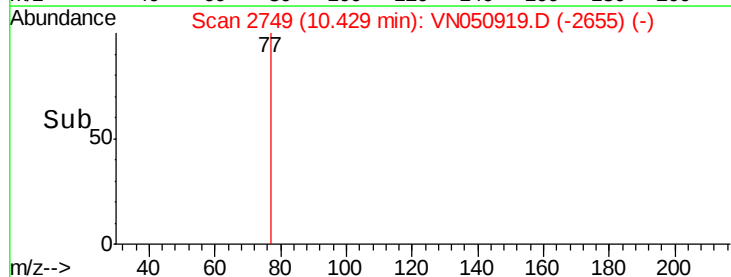
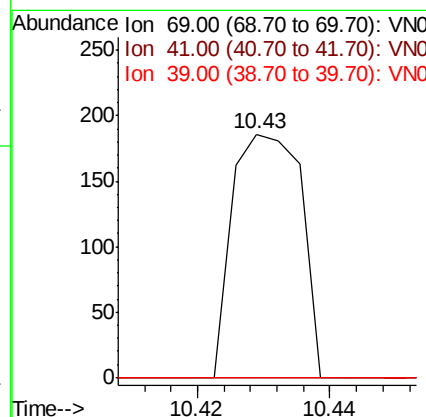
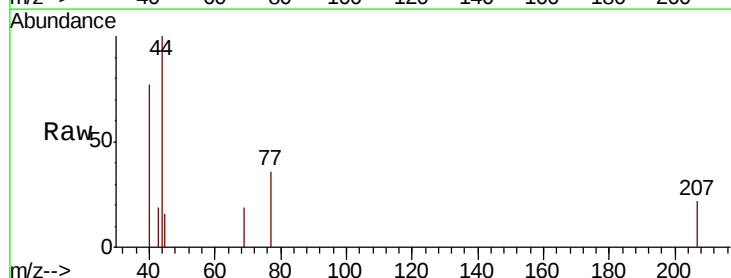
Instrument :
MSVOA_N
ClientSampled :
VN0828WBL02

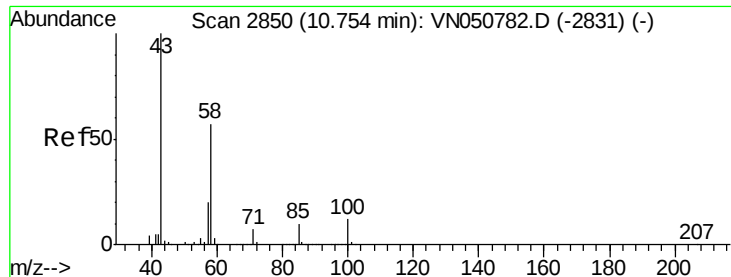
Tot Ion: 98 Resp: 1363930
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3



#56
Ethyl methacrylate
Concen: 2.36 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

Tgt Ion: 69 Resp: 134
Ion Ratio Lower Upper
69 100
41 0.0 48.3 72.5#
39 0.0 24.0 36.0#

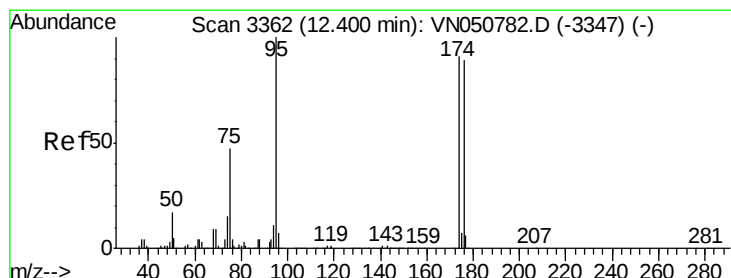
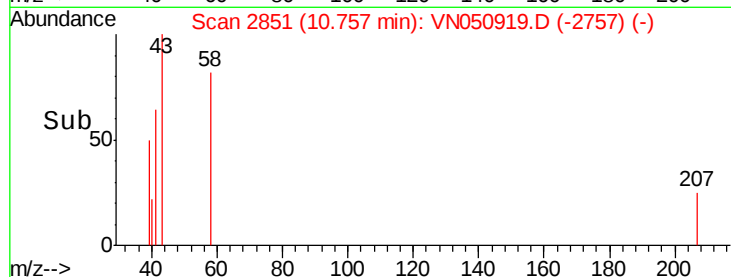
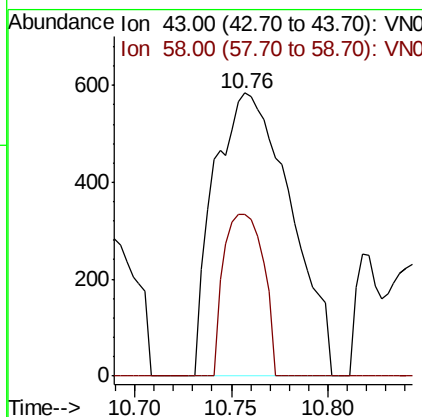
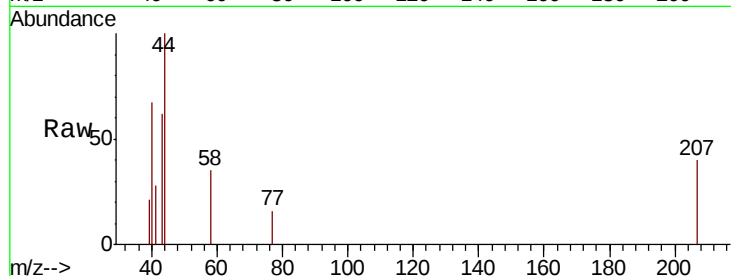




#59
2-Hexanone
Concen: 0.36 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

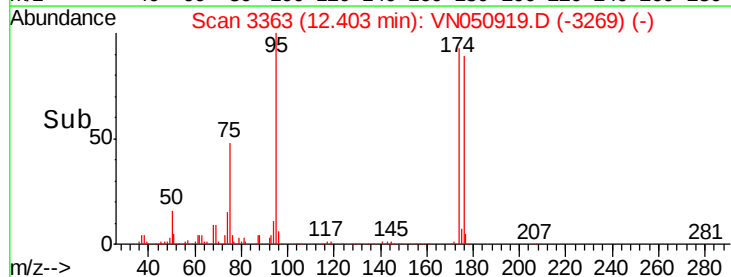
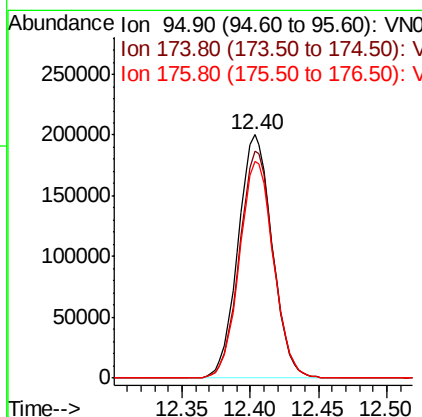
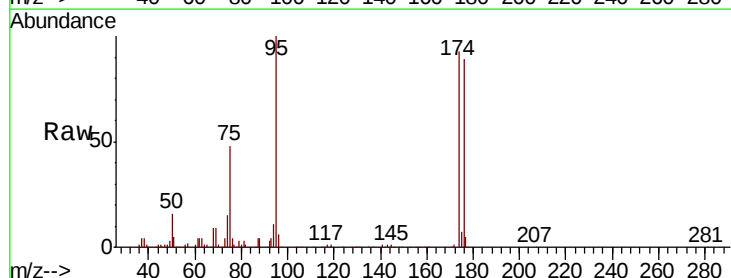
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL02

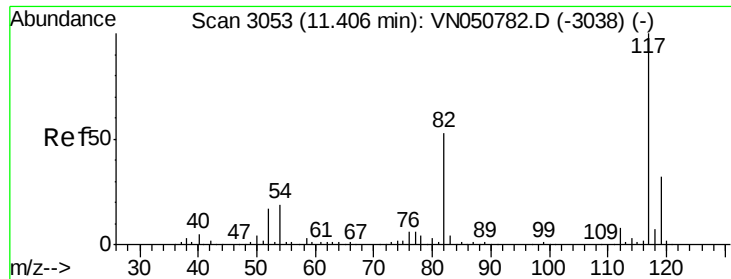
Tot Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
58 29.8 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 36.17 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

Tgt Ion: 95 Resp: 347489
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.0
176 89.0 0.0 178.8

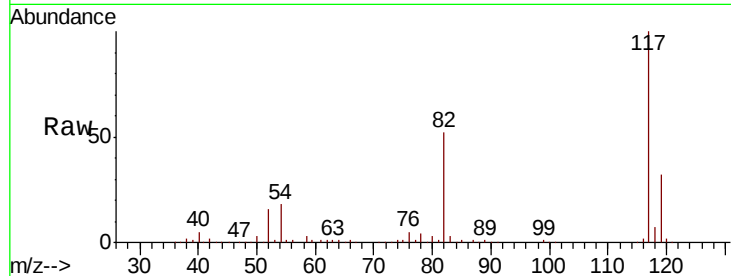




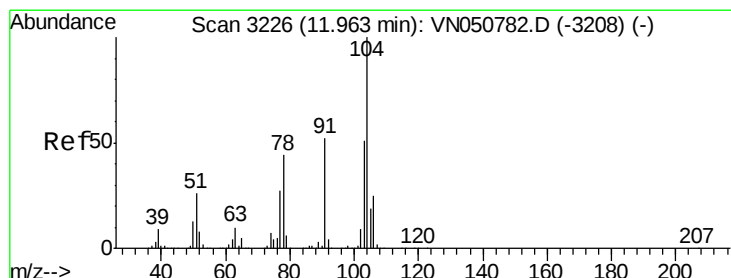
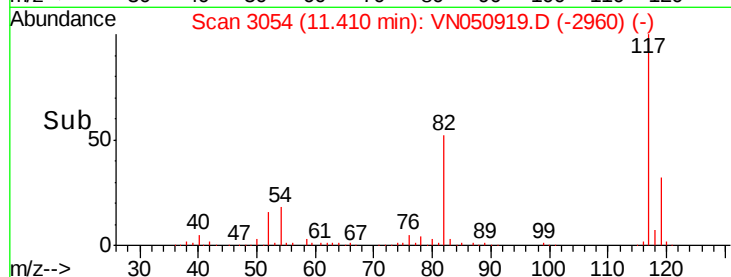
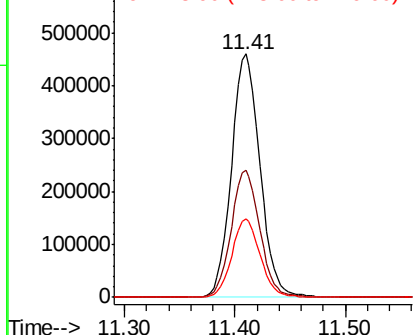
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL02

Tot Ion:117 Resp: 823852
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.3 25.8 38.6

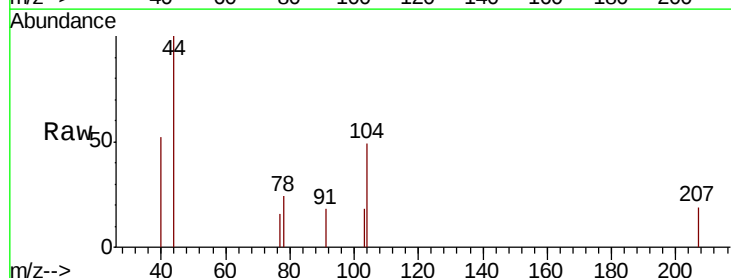


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

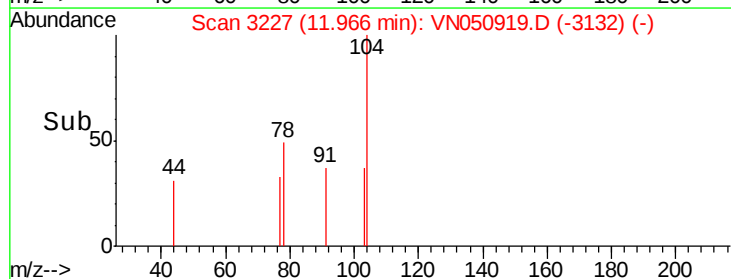
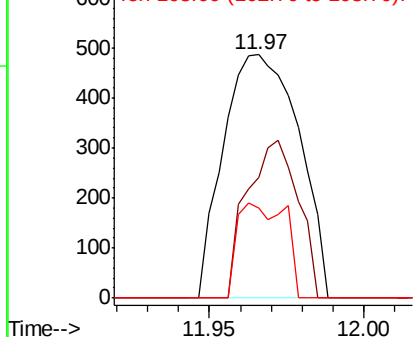


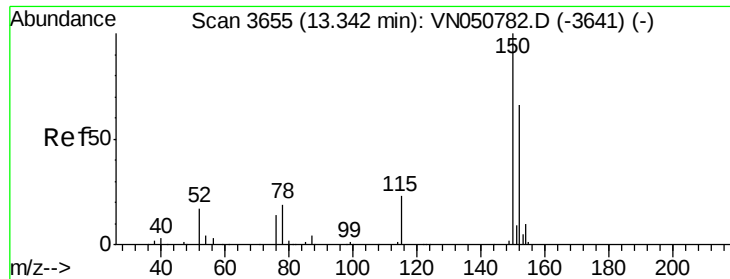
#70
Styrene
Concen: 1.31 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050919.D
Acq: 28 Aug 2018 17:48

Tgt Ion:104 Resp: 825
Ion Ratio Lower Upper
104 100
78 43.8 38.2 57.4
103 24.5 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBL02

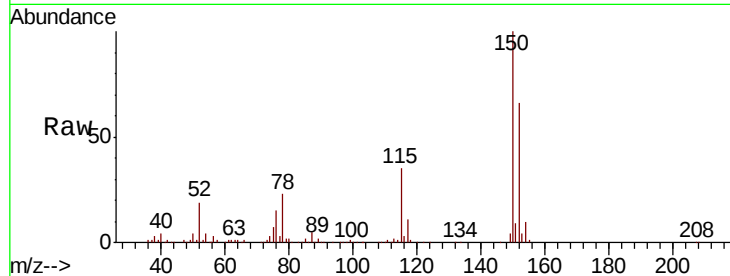
Tot Ion:152 Resp: 256548

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

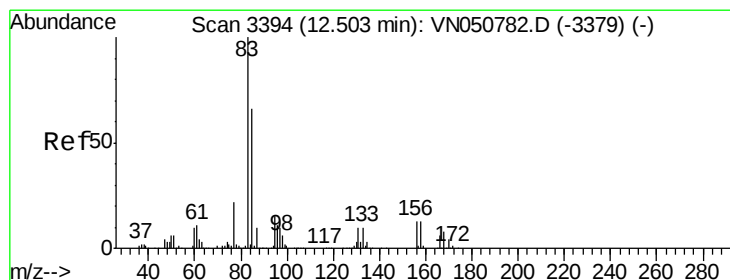
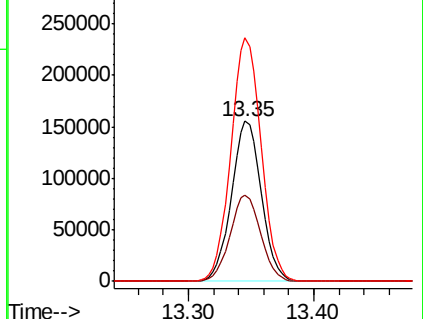
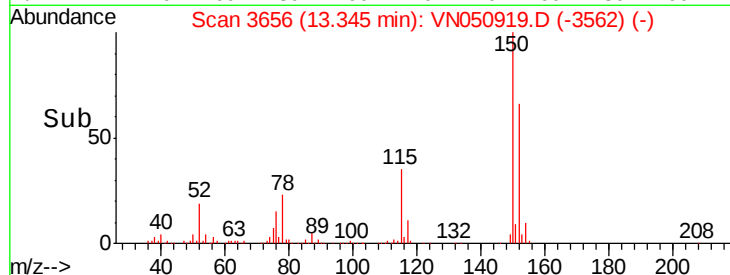
150 154.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

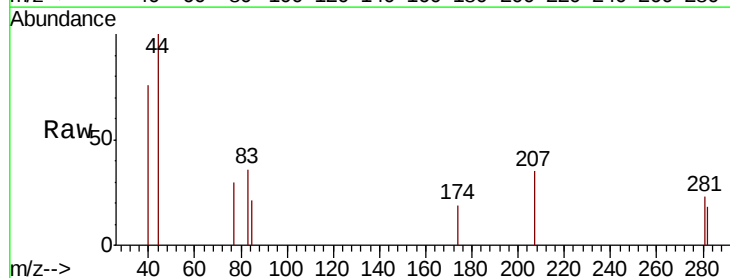
Tgt Ion: 83 Resp: 313

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

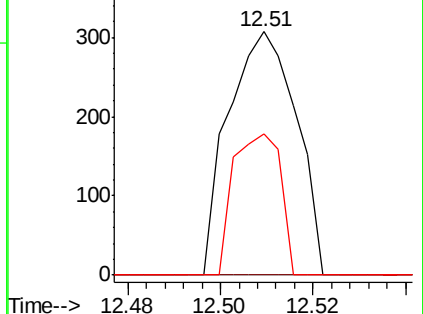
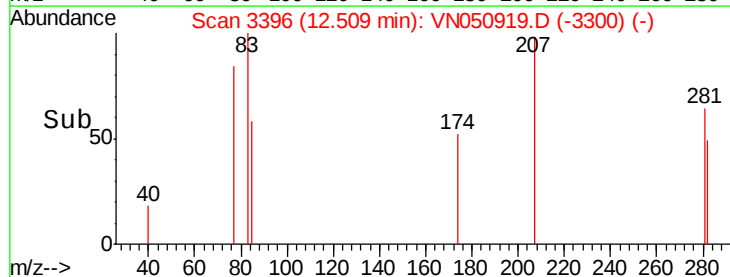
85 40.3 31.9 95.7

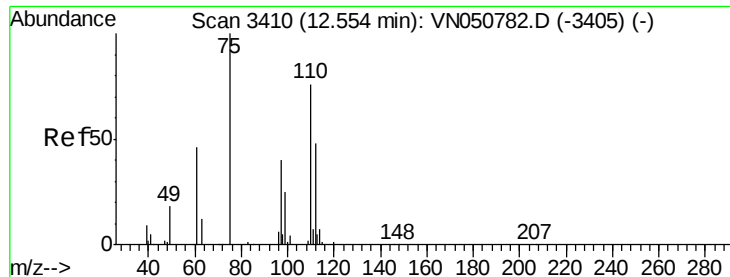


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 36.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

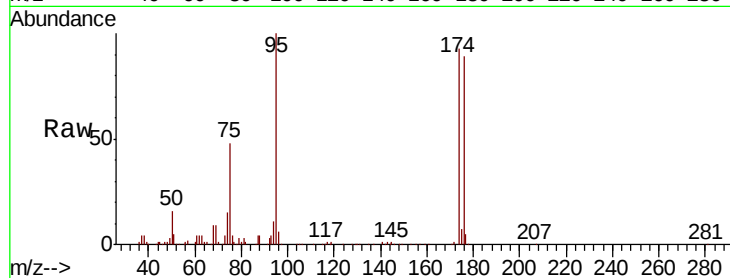
VN0828WBL02

Tot Ion: 75 Resp: 163437

Ion Ratio Lower Upper

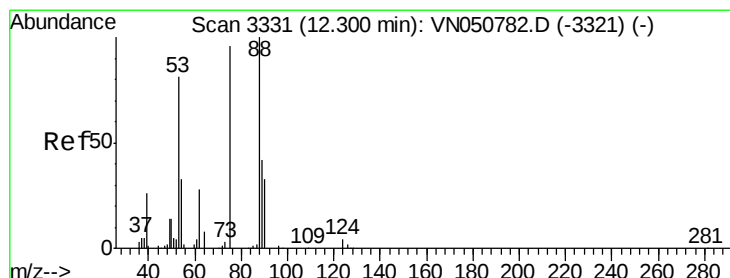
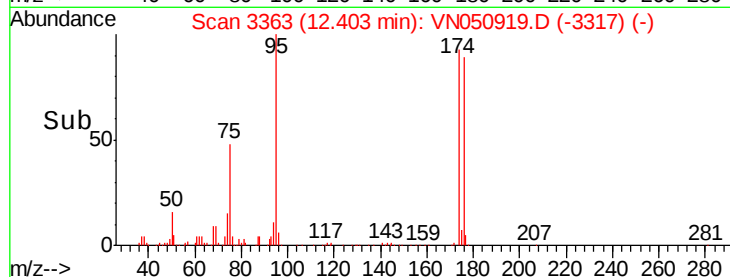
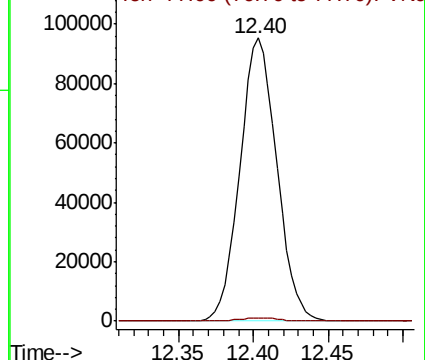
75 100

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: 122.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

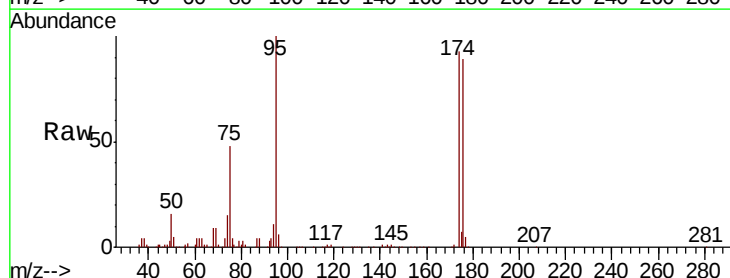
Tgt Ion: 75 Resp: 163437

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

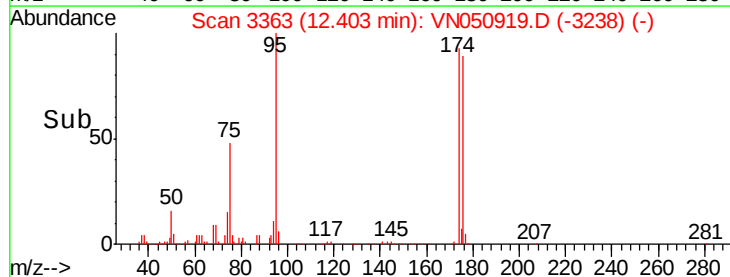
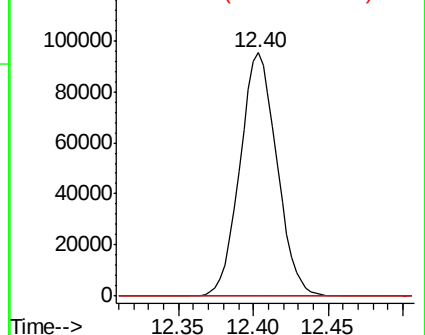
89 0.0 36.1 54.1#

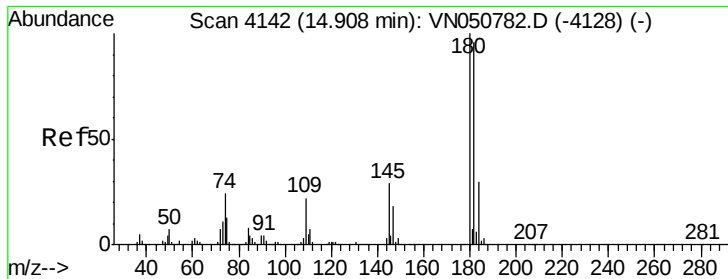


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

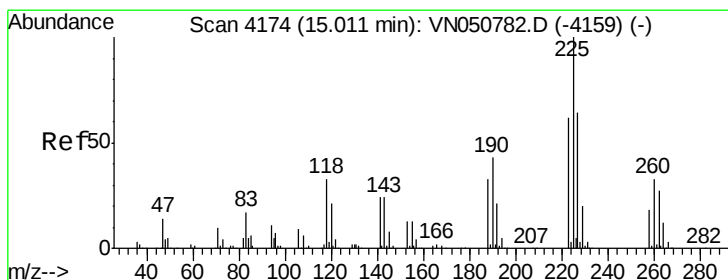
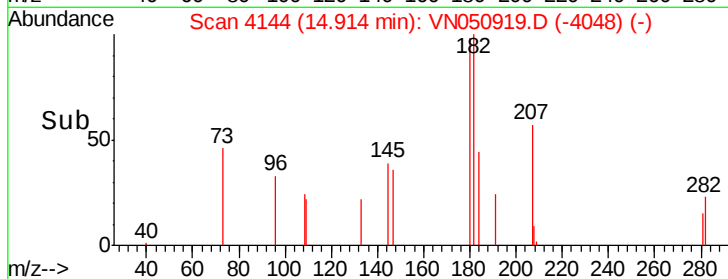
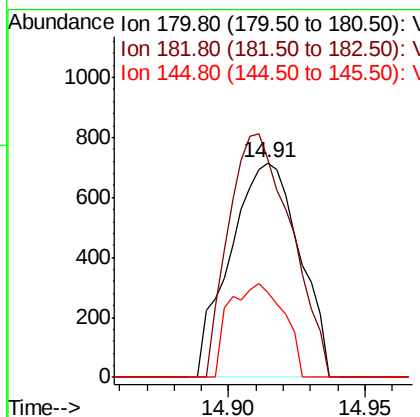
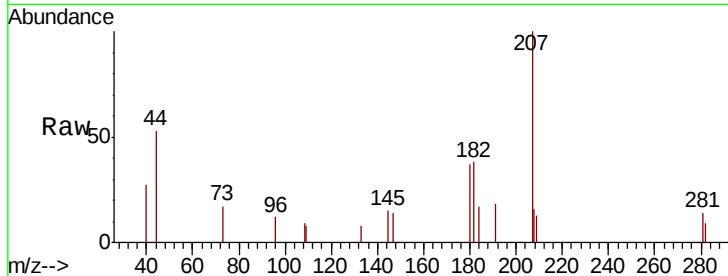




#93
 1,2,4-Trichlorobenzene
 Concen: 4.32 ua/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.01 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

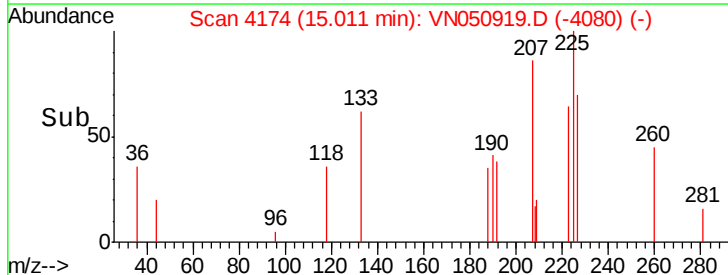
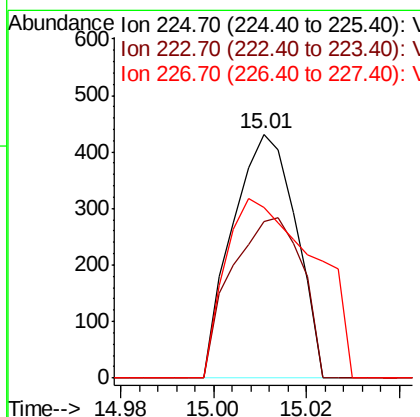
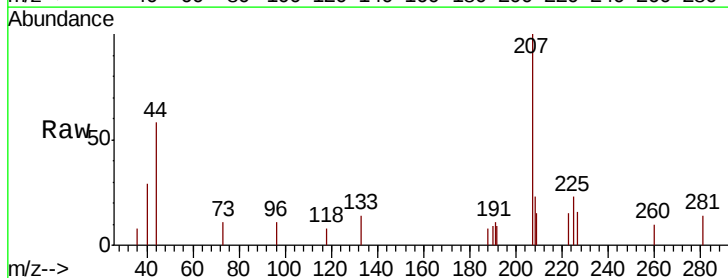
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL02

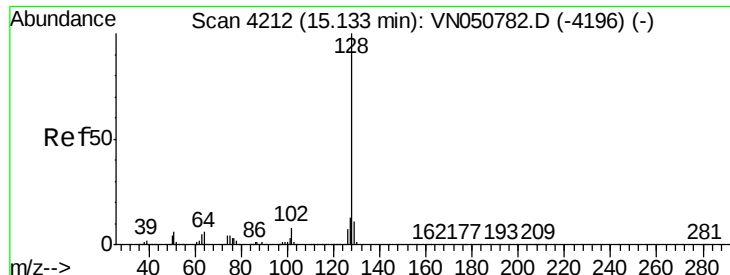
Tot Ion:180 Resp: 1260
 Ion Ratio Lower Upper
 180 100
 182 102.8 48.2 144.6
 145 34.6 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050919.D
 Acq: 28 Aug 2018 17:48

Tgt Ion:225 Resp: 410
 Ion Ratio Lower Upper
 225 100
 223 73.7 31.3 93.8
 227 102.7 32.0 96.2#





#95

Naphthalene

Concen: 5.73 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBL02

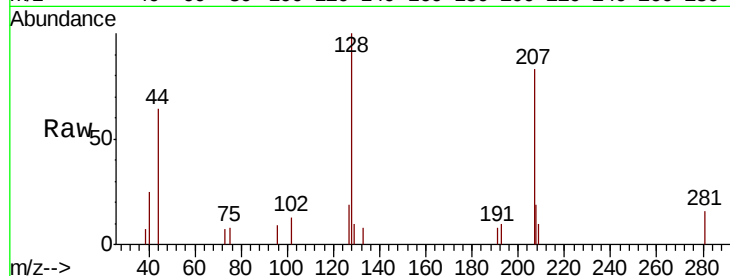
Tot Ion:128 Resp: 3752

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

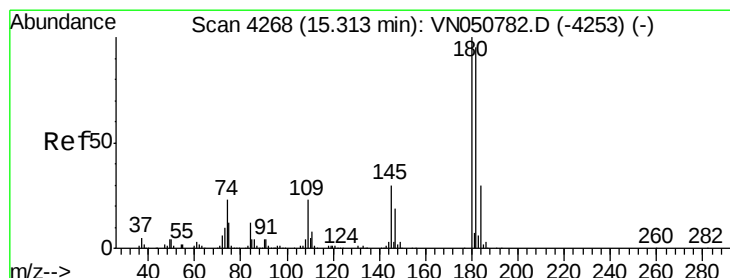
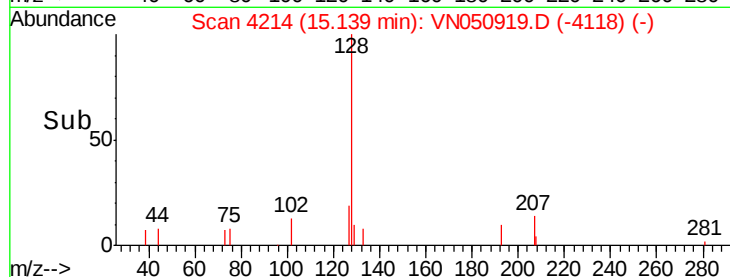
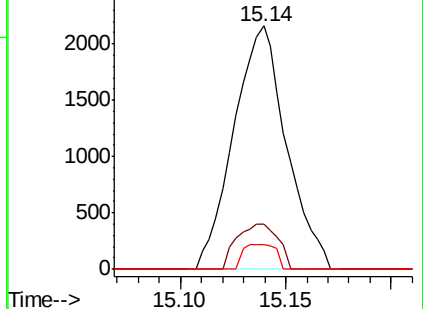
129 6.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.61 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.01 min

Lab File: VN050919.D

Acq: 28 Aug 2018 17:48

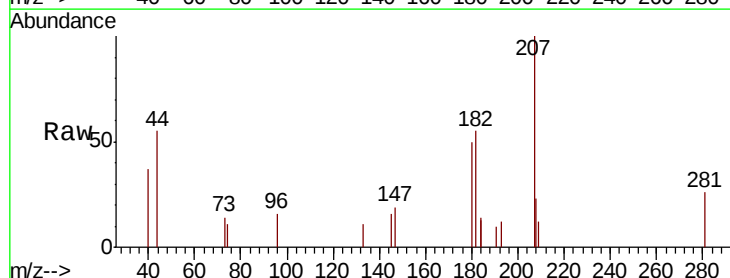
Tgt Ion:180 Resp: 1569

Ion Ratio Lower Upper

180 100

182 114.5 48.0 144.2

145 12.2 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

