

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052979.D
 Acq On : 19 Dec 2018 00:12
 Operator : MD\SY
 Sample : J6465-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TB03_121718

Quant Time: Dec 19 03:53:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1322027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2009965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1822016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	784479	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	644896	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	501690	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
50) Toluene-d8	10.09	98	2450036	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	837656	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	

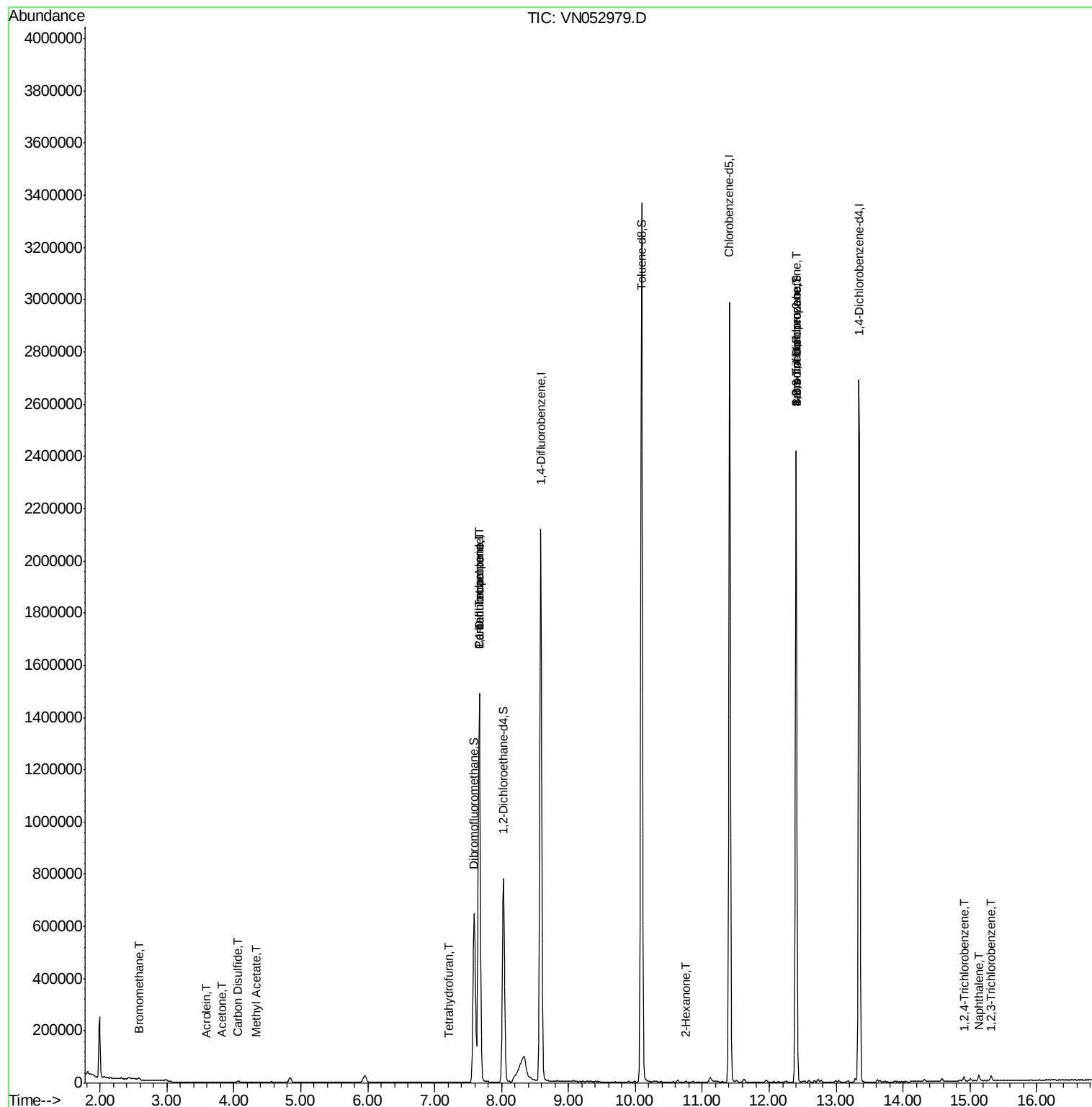
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	2278	0.200	ug/l	93
13) Acrolein	3.60	56	541	0.729	ug/l #	69
16) Acetone	3.82	43	3830	1.456	ug/l	92
17) Carbon Disulfide	4.06	76	9798	0.238	ug/l	96
18) Methyl Acetate	4.33	43	3486	1.278	ug/l	95
29) Tetrahydrofuran	7.22	42	713	0.216	ug/l #	44
31) Cyclohexane	7.67	56	22388	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	86715	4.495	ug/l #	48
38) Carbon Tetrachloride	7.67	117	114322	6.465	ug/l #	16
43) Isopropyl Acetate	8.19	43	15075	Below Cal	#	56
59) 2-Hexanone	10.76	43	1703	0.241	ug/l #	56
71) Bromoform	12.40	173	4785	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	389634	29.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	389634	95.097	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	6126	1.026	ug/l	94
94) Hexachlorobutadiene	15.01	225	2116	Below Cal		91
95) Naphthalene	15.13	128	21763	1.836	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	7432	1.088	ug/l	96

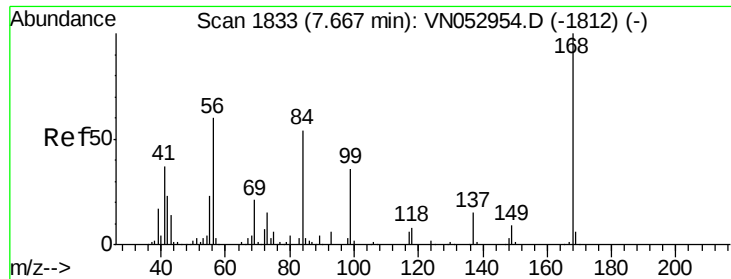
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

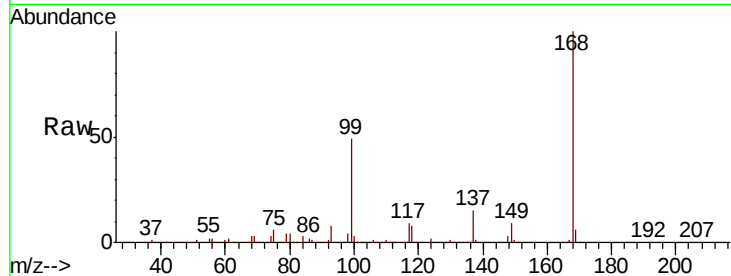
TB03_121718

Tot Ion:168 Resp: 1322027

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

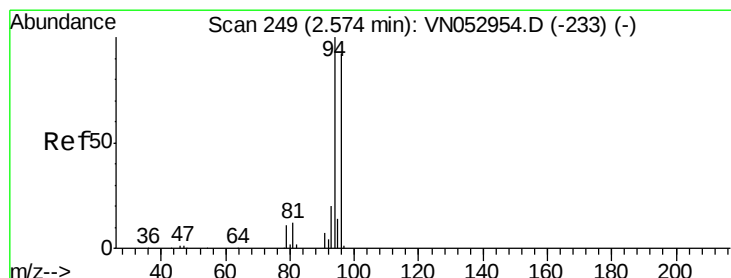
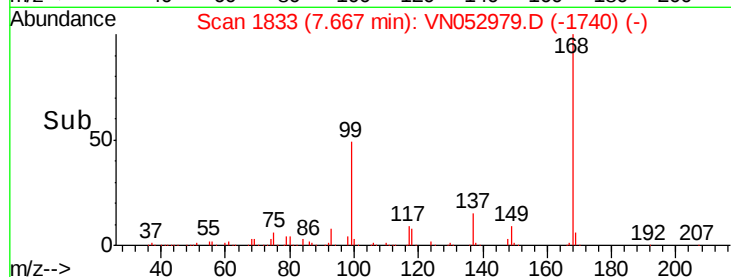
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.200 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052979.D

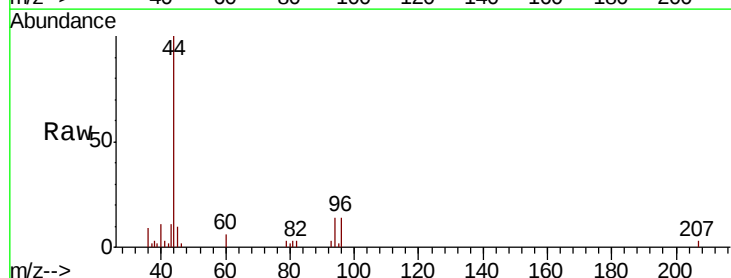
Acq: 19 Dec 2018 00:12

Tgt Ion: 94 Resp: 2278

Ion Ratio Lower Upper

94 100

96 100.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

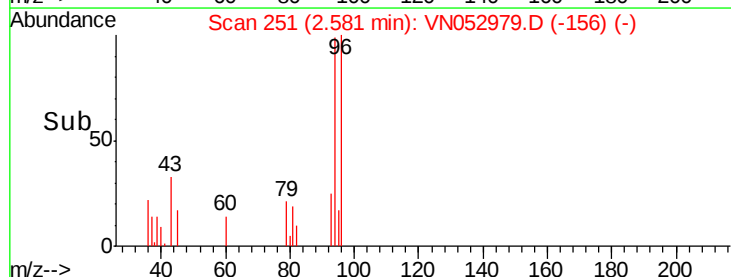
1500

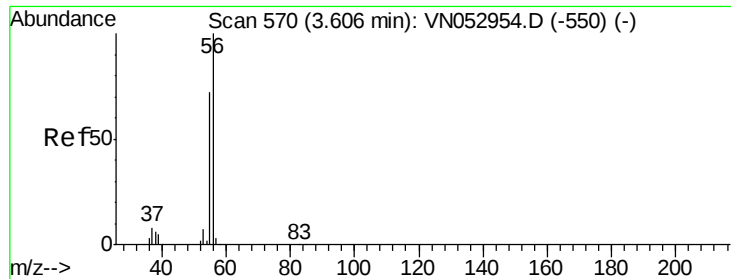
1000

500

0

Time-->





#13

Acrolein

Concen: 0.729 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

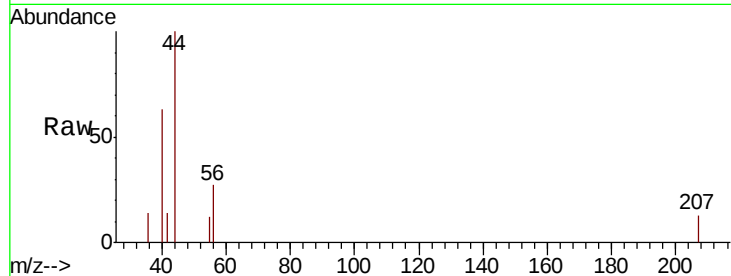
TB03_121718

Tot Ion: 56 Resp: 541

Ion Ratio Lower Upper

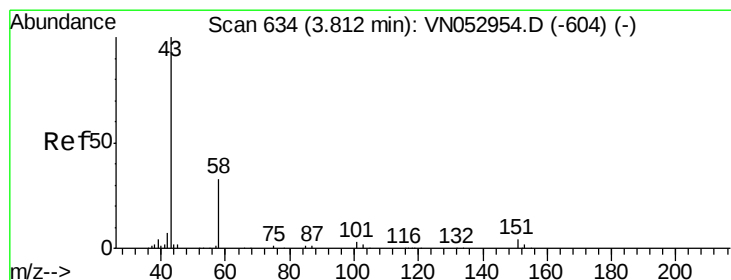
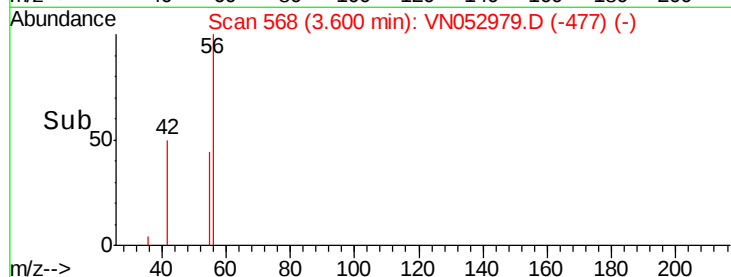
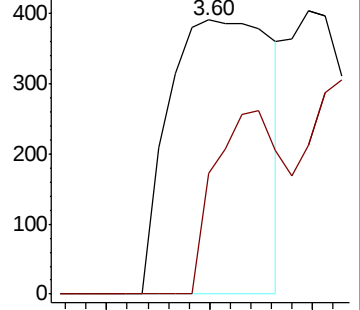
56 100

55 45.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.456 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052979.D

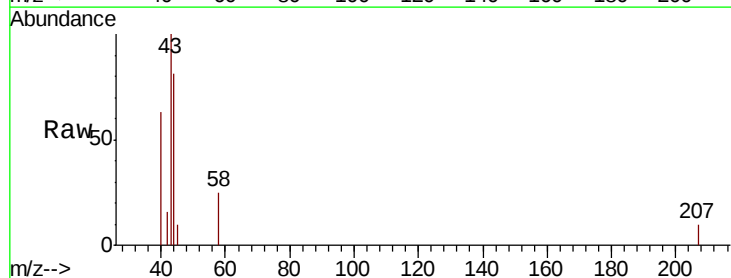
Acq: 19 Dec 2018 00:12

Tgt Ion: 43 Resp: 3830

Ion Ratio Lower Upper

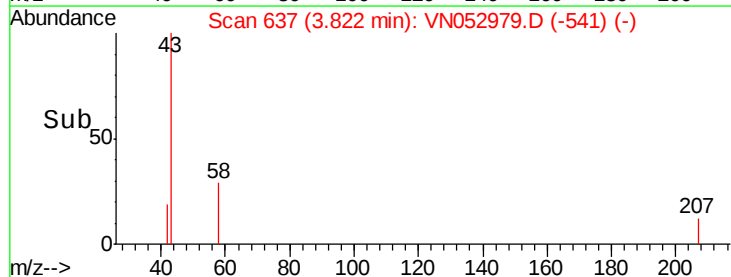
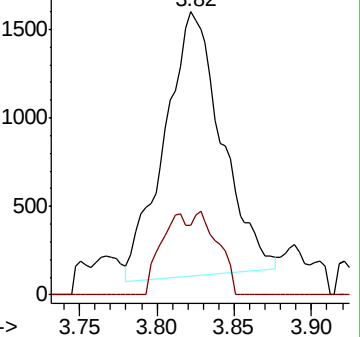
43 100

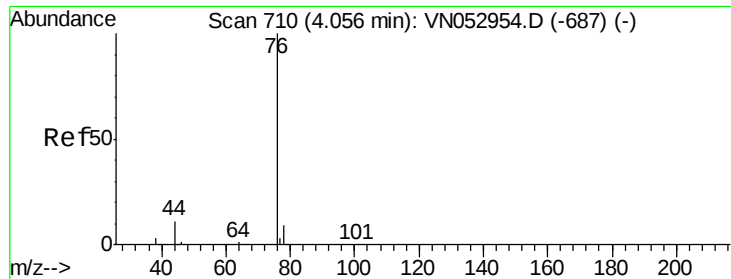
58 27.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

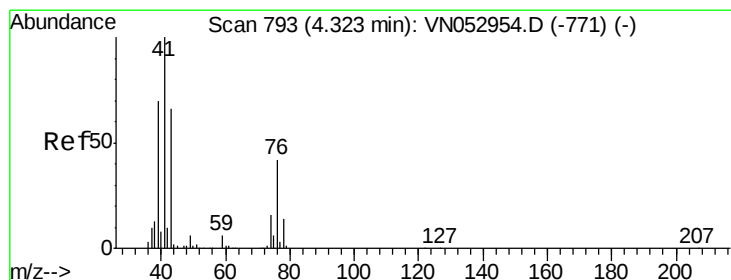
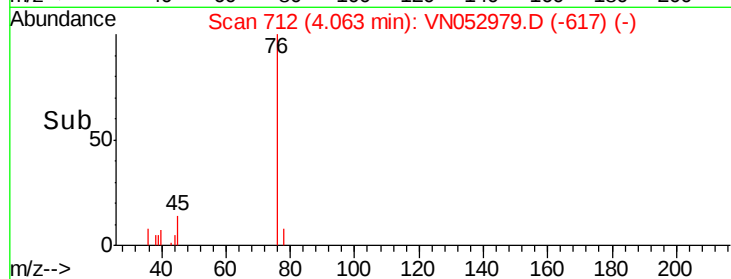
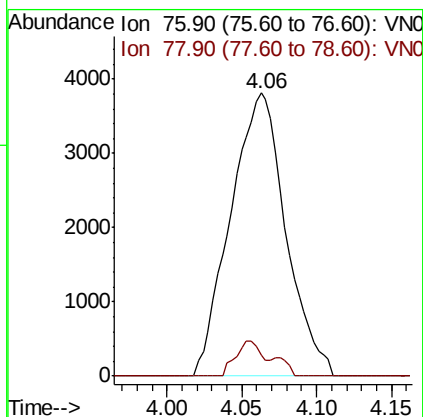
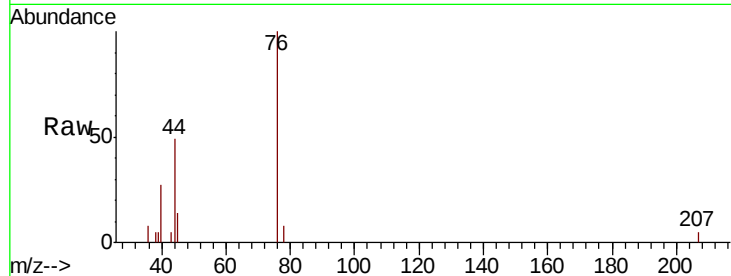




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

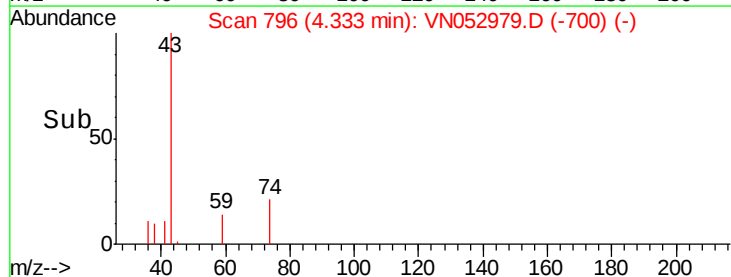
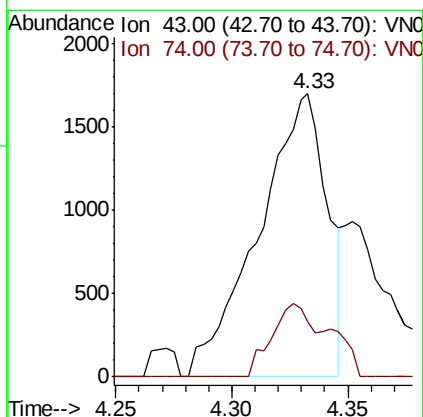
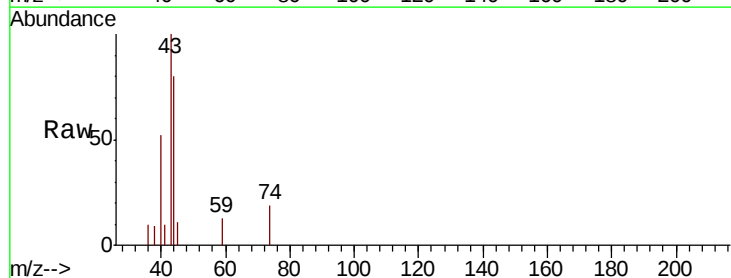
Instrument :
MSVOA_N
ClientSampleId :
TB03_121718

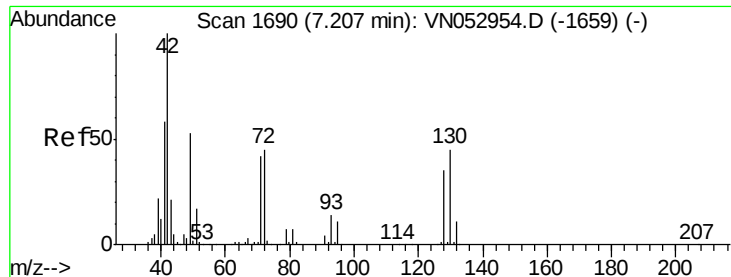
Tot Ion: 76 Resp: 9798
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7



#18
Methyl Acetate
Concen: 1.278 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
74 21.7 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

TB03_121718

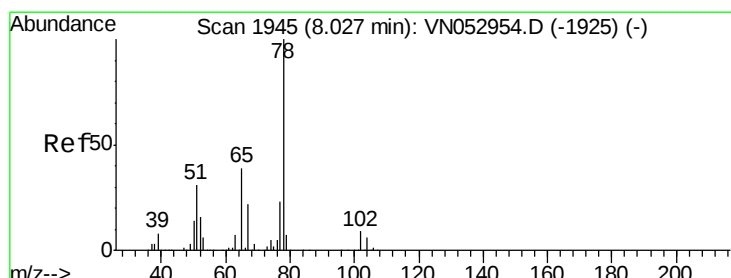
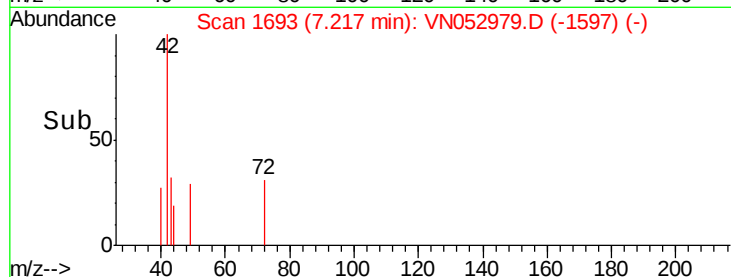
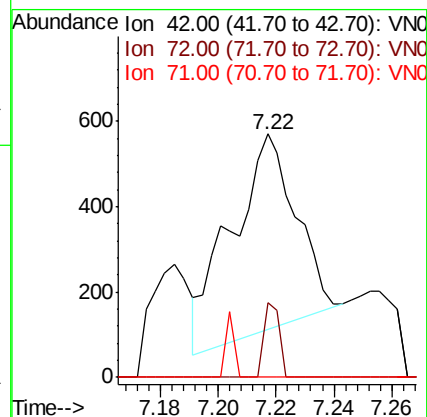
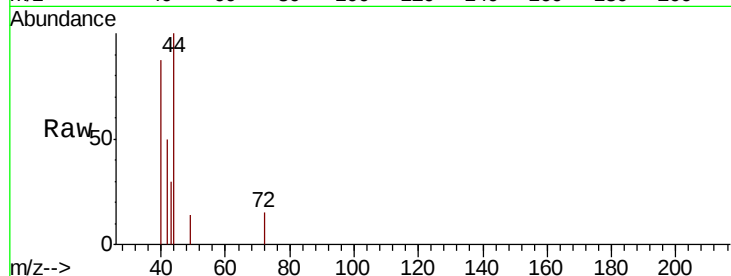
Tot Ion: 42 Resp: 713

Ion Ratio Lower Upper

42 100

72 9.0 34.7 52.1#

71 4.2 32.3 48.5#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052979.D

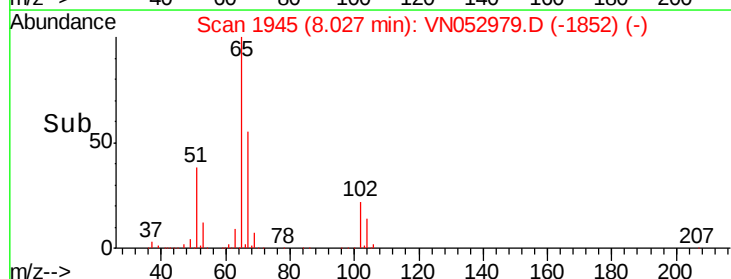
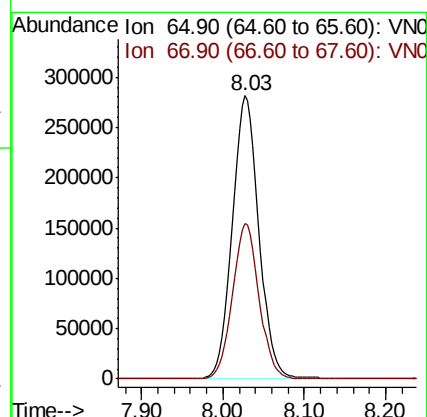
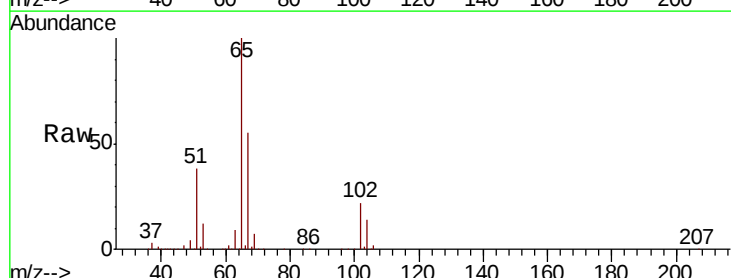
Acq: 19 Dec 2018 00:12

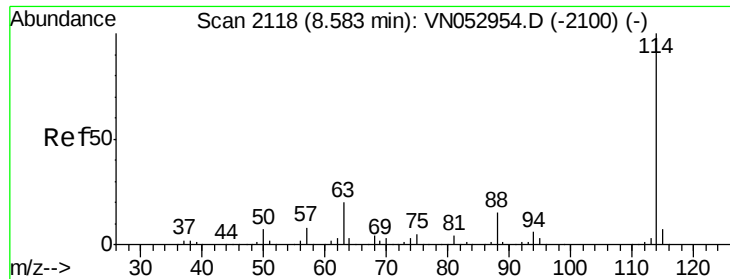
Tgt Ion: 65 Resp: 644896

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4

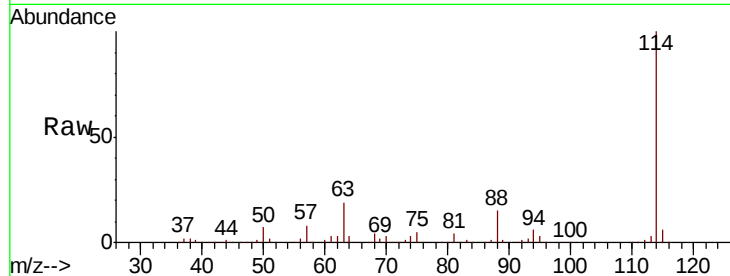




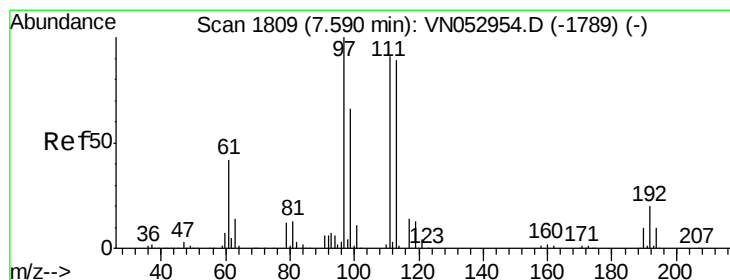
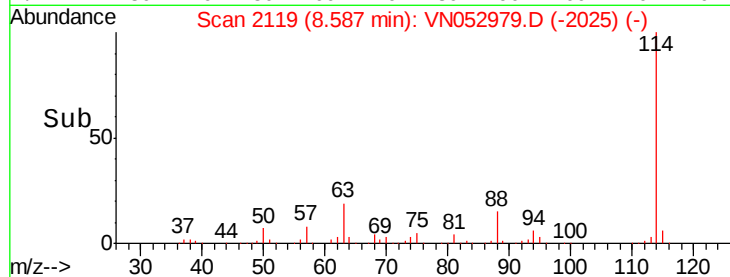
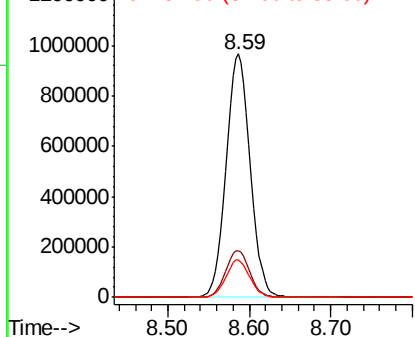
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

Instrument :
 MSVOA_N
 ClientSampleId :
 TB03_121718

Tot Ion:114 Resp: 2009965
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.4 0.0 31.0

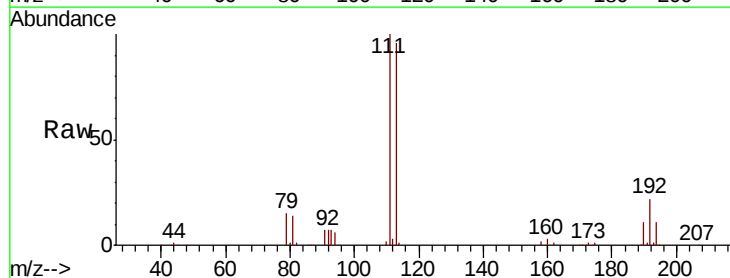


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

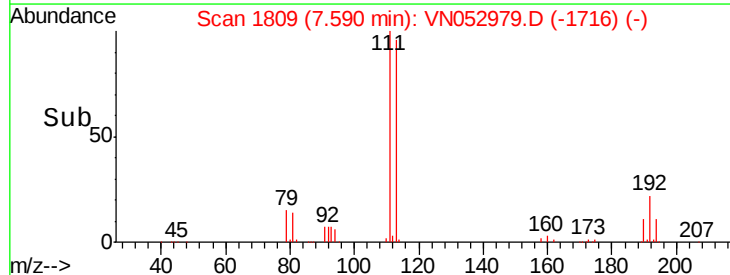
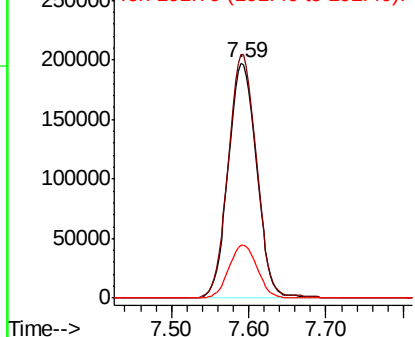


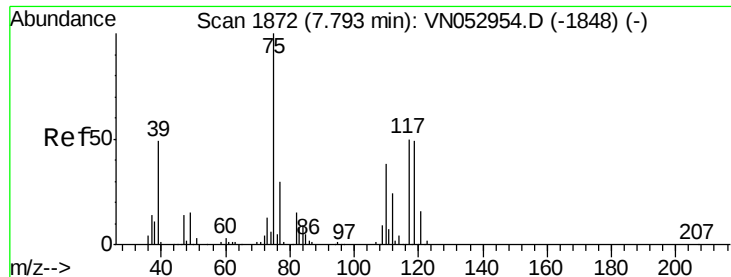
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

Tgt Ion:113 Resp: 501690
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.4
 192 22.6 17.5 26.3



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

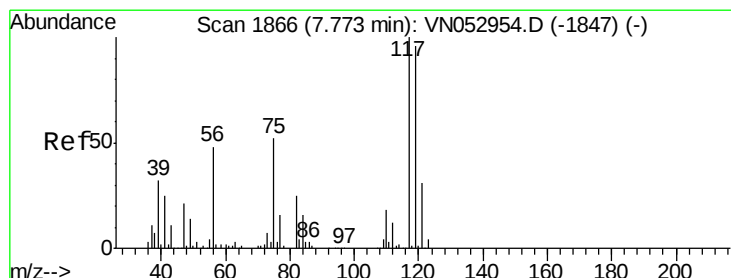
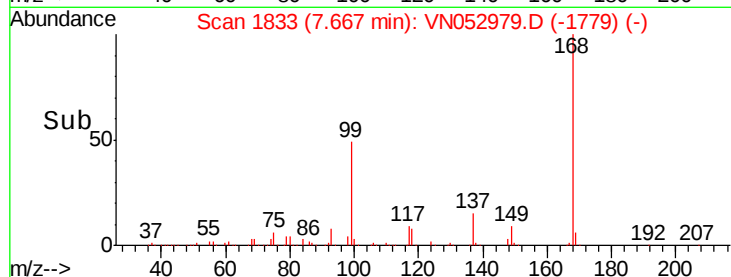
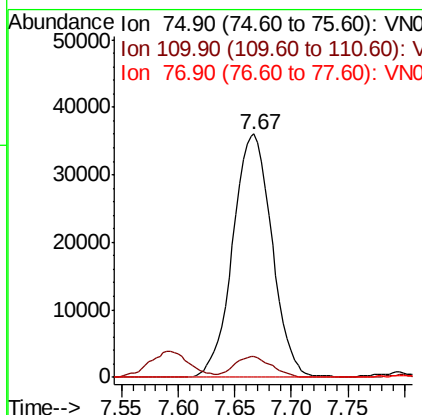
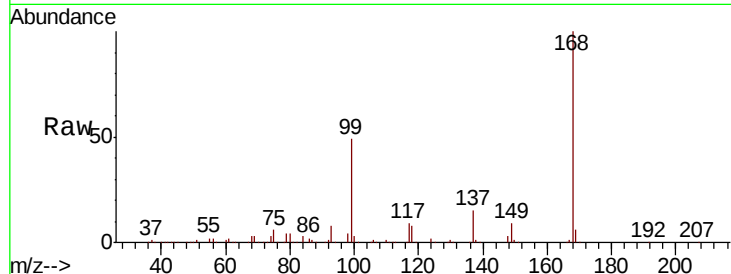




#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

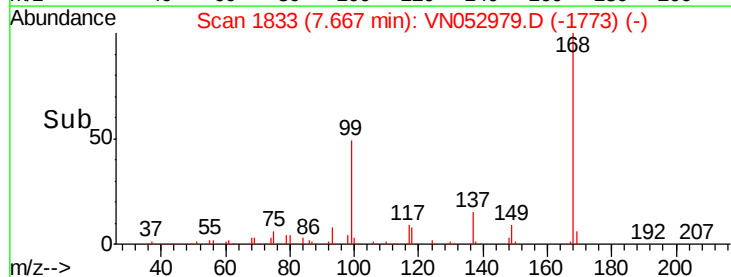
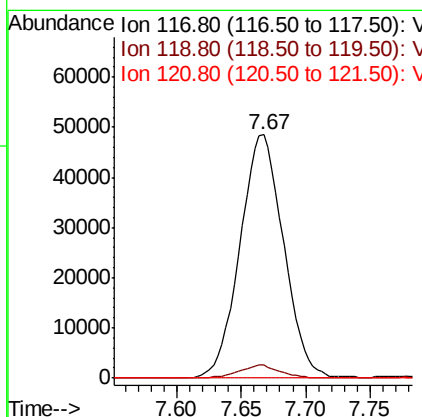
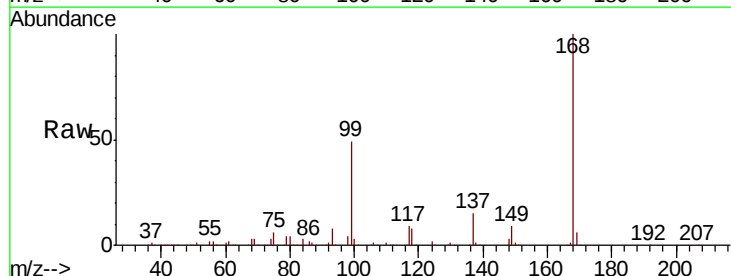
Instrument :
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 ClientSampleId :
 TB03_121718

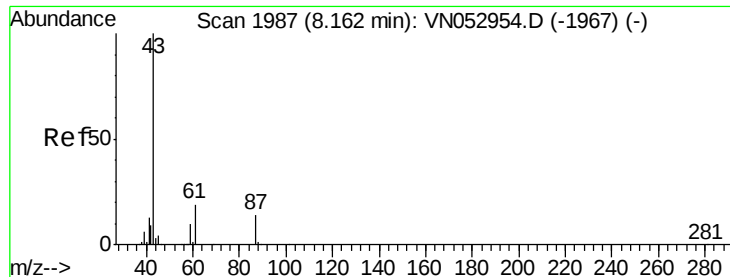
Tot Ion	75	Resp	86715
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.465 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

Tgt Ion	117	Resp	114322
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.3	77.1	115.7#
121	0.0	24.9	37.3#



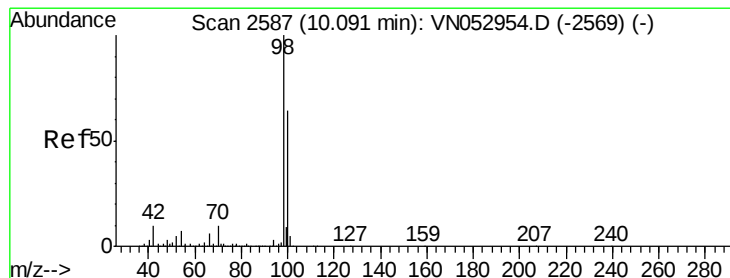
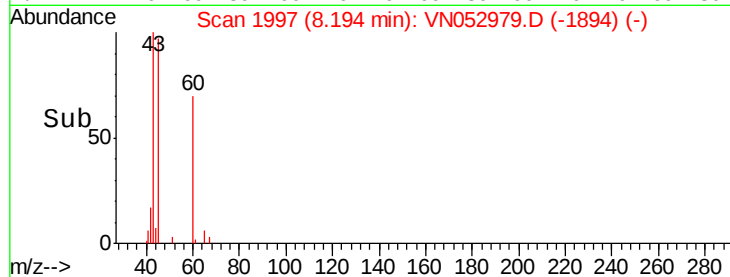
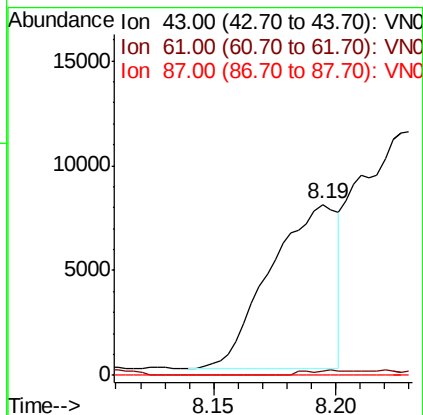
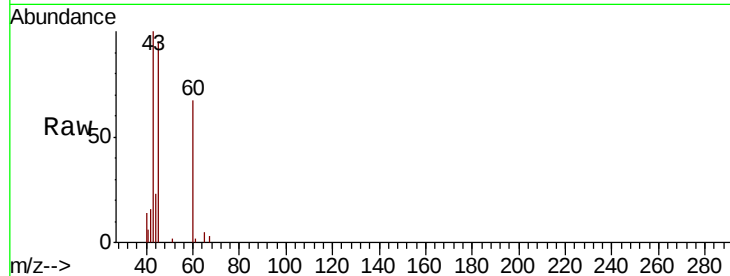


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.19 min Scan# 1997
 Delta R.T. 0.03 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

Instrument :
 MSVOA_N
 ClientSampleId :
 TB03_121718

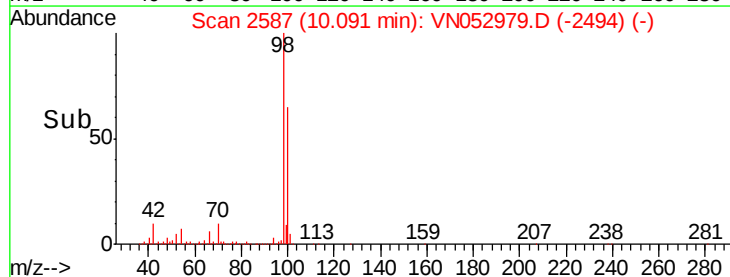
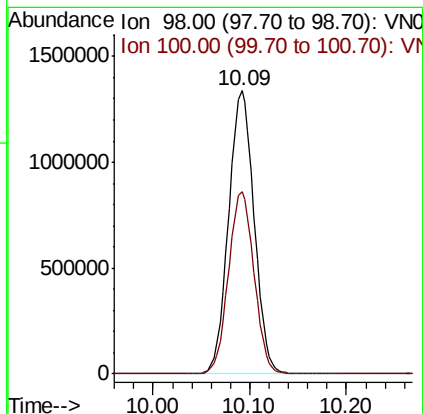
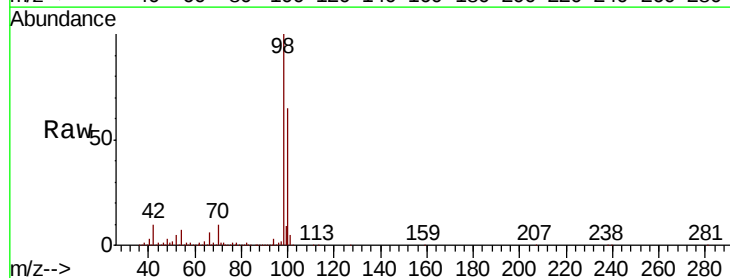
Tot Ion	43	Resp	15075
Ion Ratio	Lower	Upper	
43	100		
61	2.6	22.9	34.3#
87	0.0	10.6	15.8#

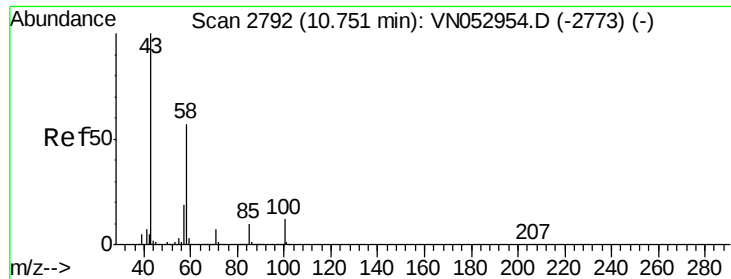


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052979.D
 Acq: 19 Dec 2018 00:12

Tgt Ion	98	Resp	2450036
Ion Ratio	Lower	Upper	
98	100		
100	64.6	51.6	77.4

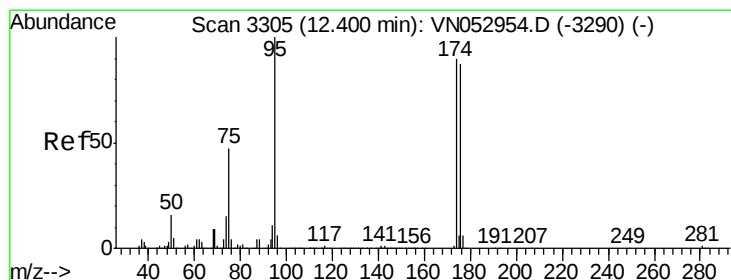
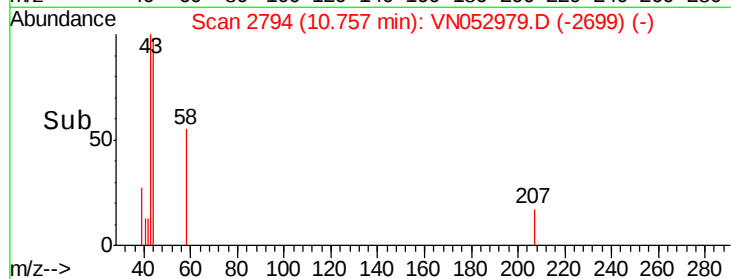
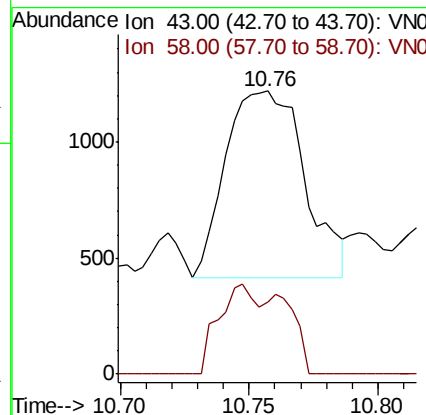
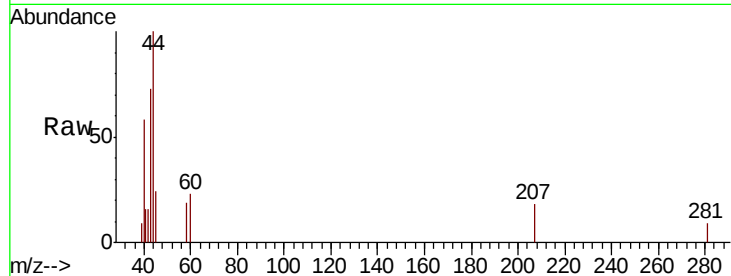




#59
2-Hexanone
Concen: 0.241 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

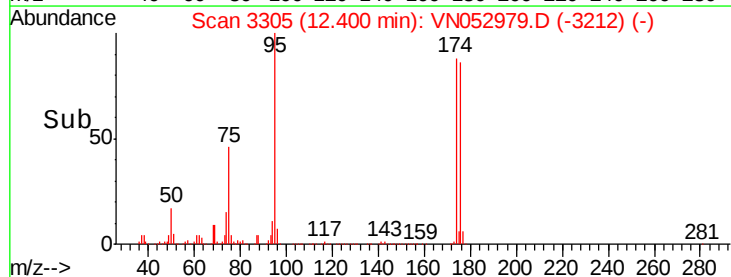
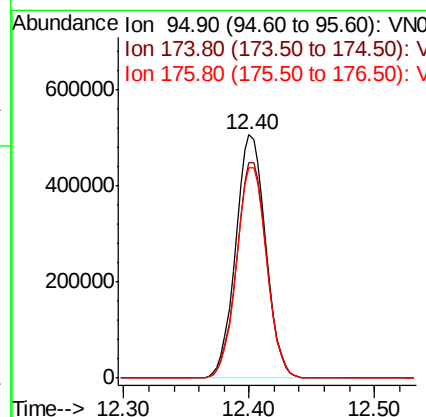
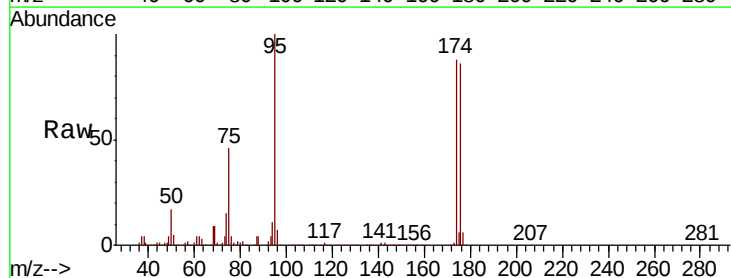
Instrument :
MSVOA_N
ClientSampleId :
TB03_121718

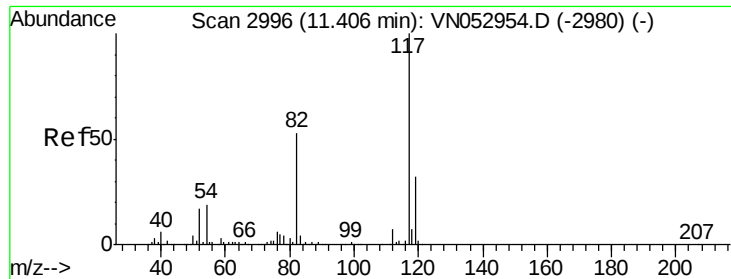
Tot Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
58 23.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

Tgt Ion: 95 Resp: 837656
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.8
176 87.5 0.0 173.8

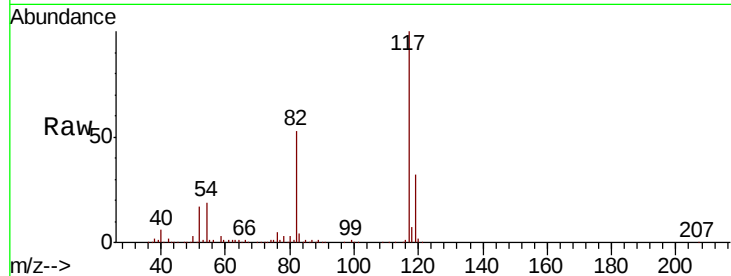




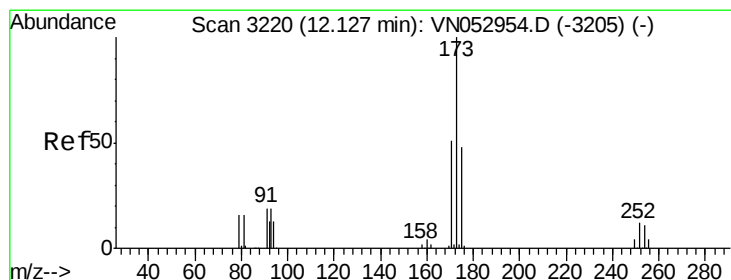
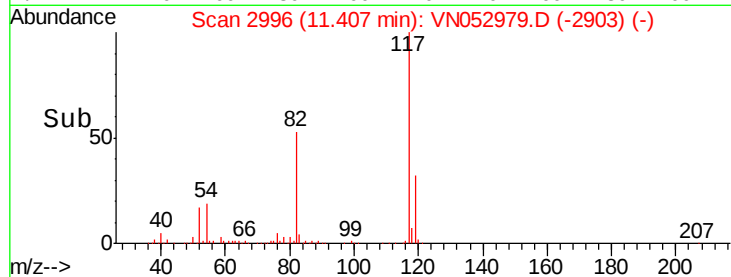
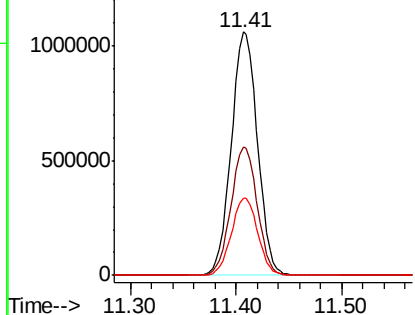
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

Instrument :
MSVOA_N
ClientSampled :
TB03_121718

Tot Ion:117 Resp: 1822016
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 31.8 25.5 38.3

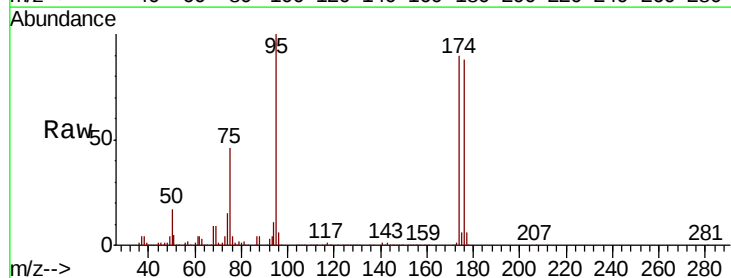


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

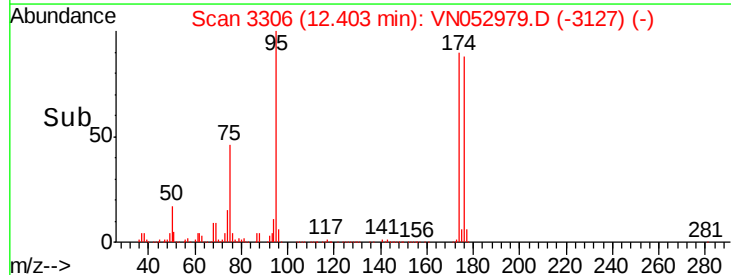
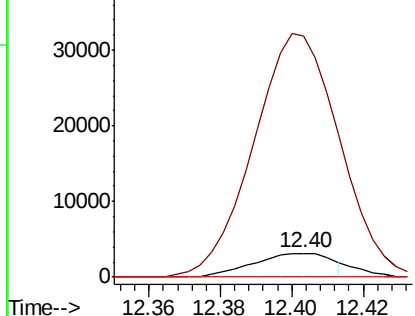


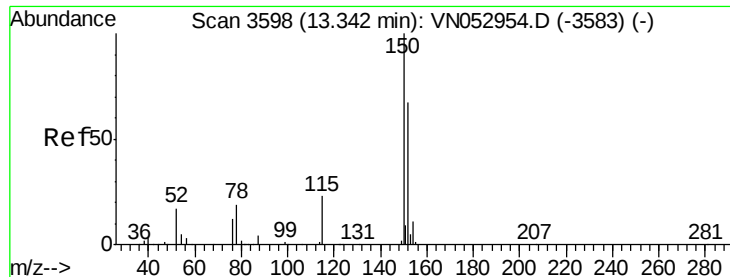
#71
Bromoform
Concen: 0.472 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052979.D
Acq: 19 Dec 2018 00:12

Tgt Ion:173 Resp: 4785
Ion Ratio Lower Upper
173 100
175 992.2 24.3 72.9#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

TB03_121718

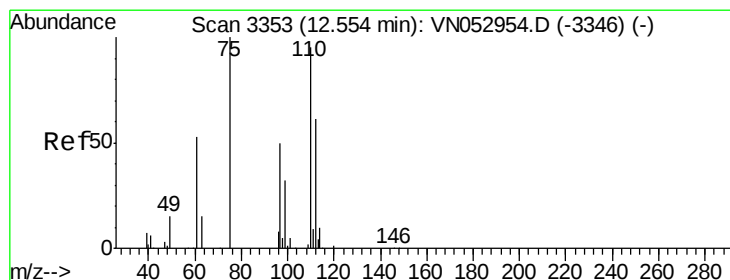
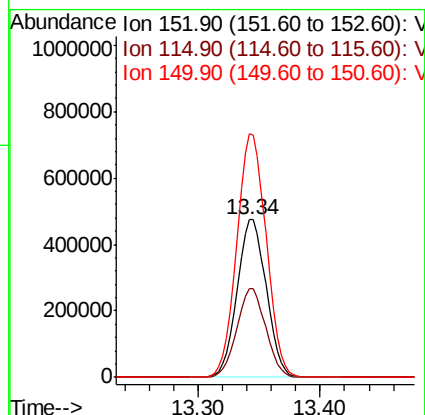
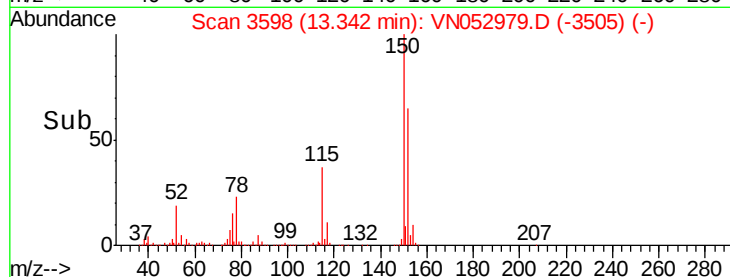
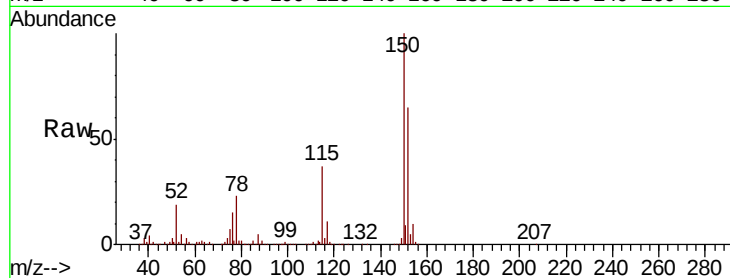
Tot Ion:152 Resp: 784479

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

150 155.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 29.505 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052979.D

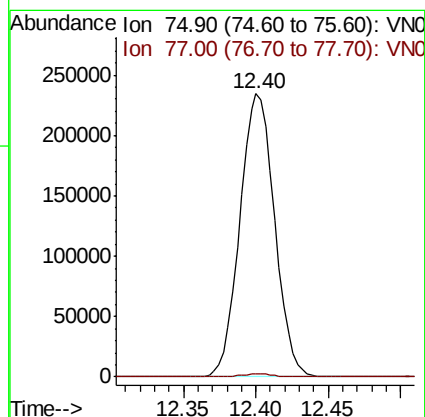
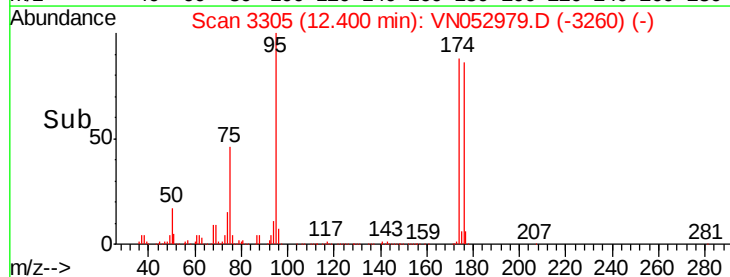
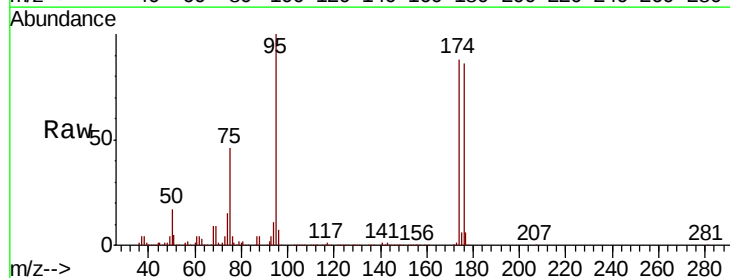
Acq: 19 Dec 2018 00:12

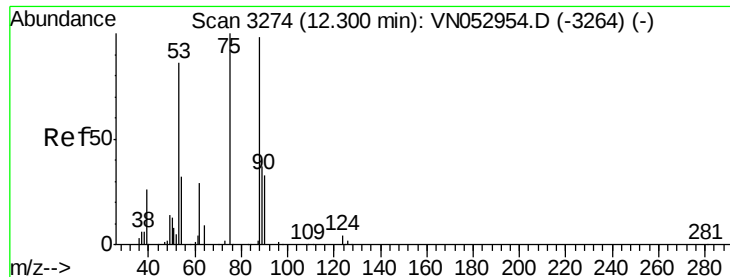
Tgt Ion: 75 Resp: 389634

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

TB03_121718

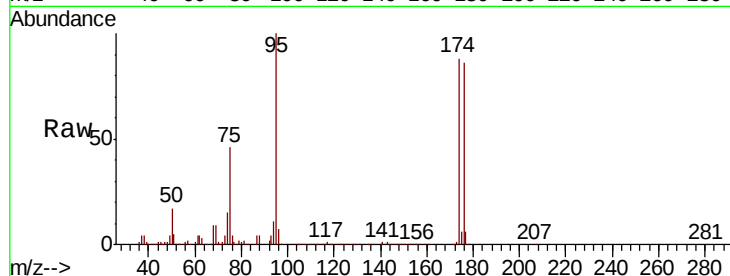
Tot Ion: 75 Resp: 389634

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

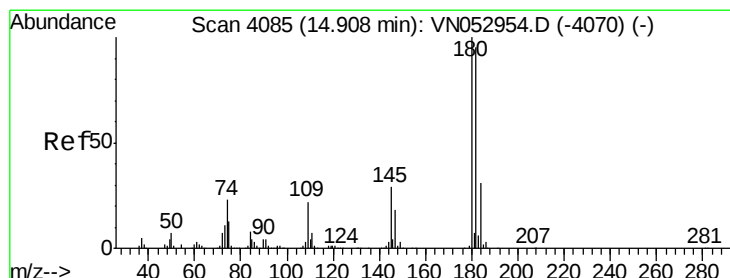
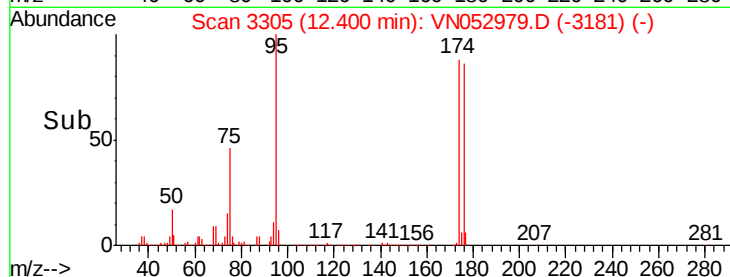
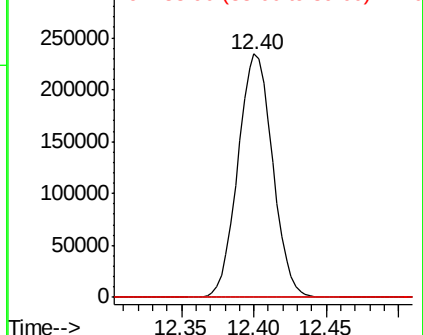


Abundance

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: 1.026 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

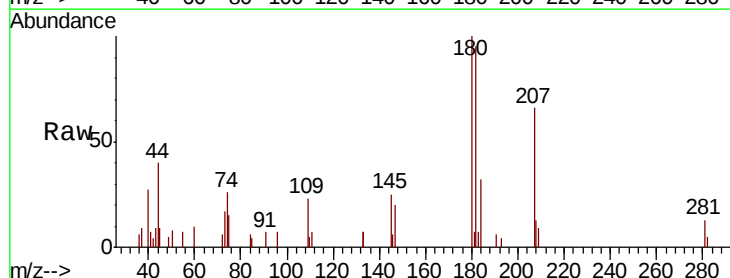
Tgt Ion: 180 Resp: 6126

Ion Ratio Lower Upper

180 100

182 102.1 47.8 143.3

145 26.7 14.2 42.6

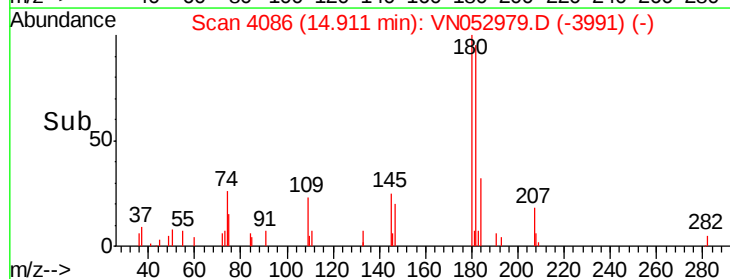
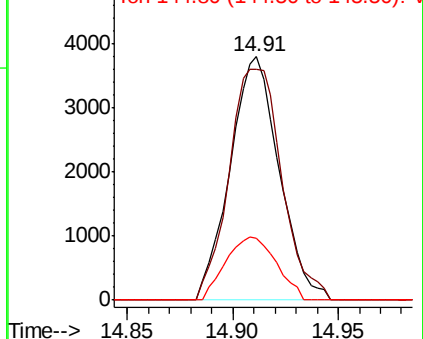


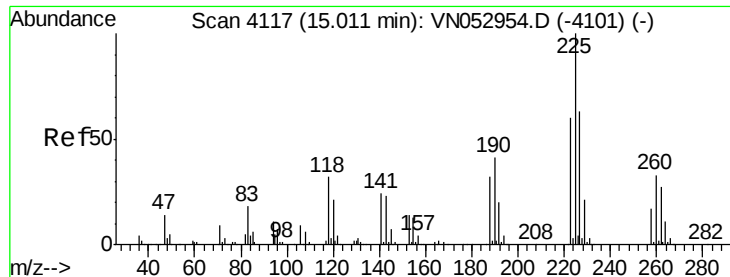
Abundance

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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

TB03_121718

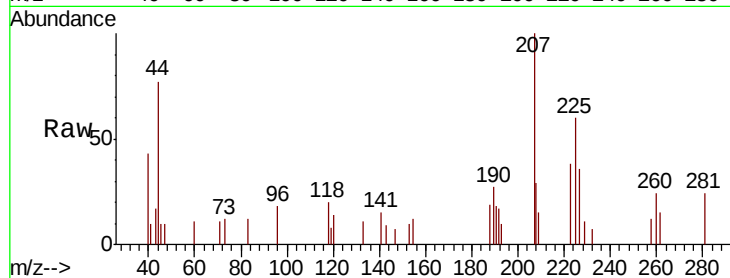
Tot Ion:225 Resp: 2116

Ion Ratio Lower Upper

225 100

223 58.0 31.5 94.5

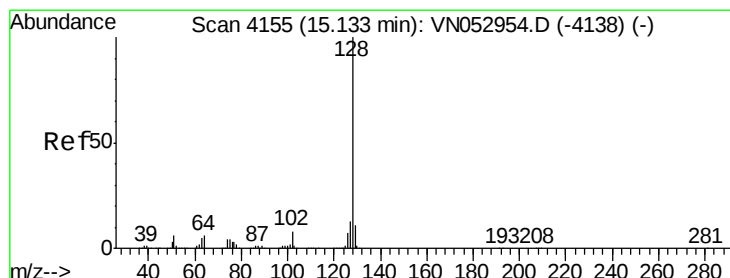
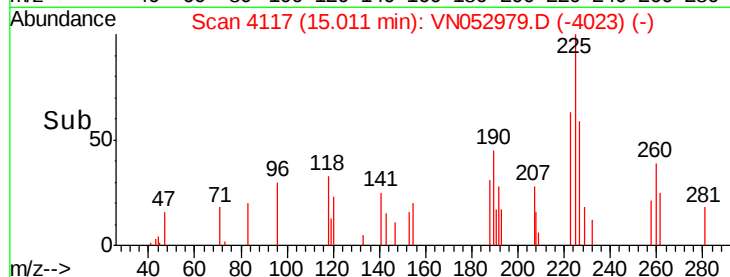
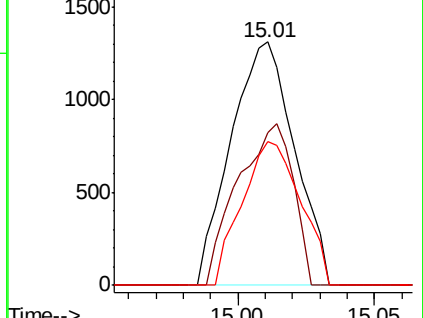
227 54.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.836 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

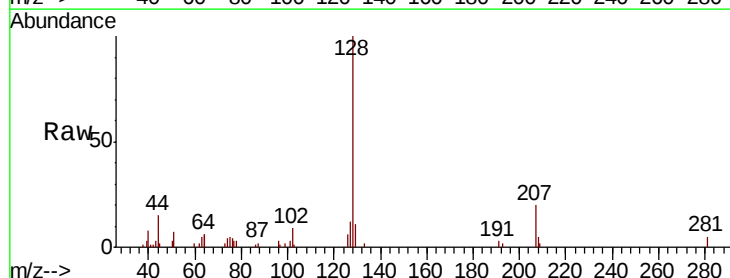
Tgt Ion:128 Resp: 21763

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

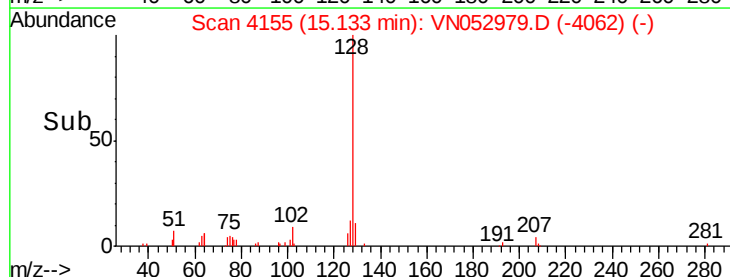
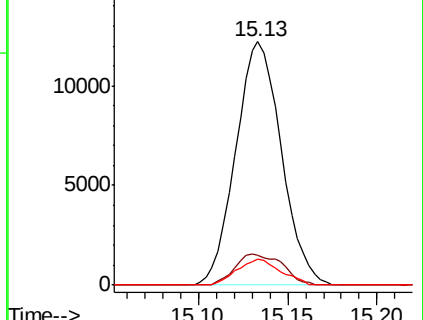
129 10.0 8.6 13.0

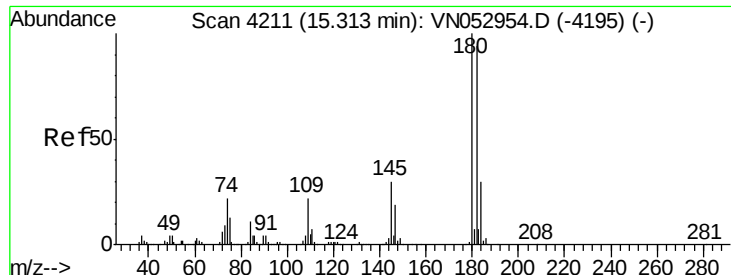


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.088 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052979.D

Acq: 19 Dec 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

TB03_121718

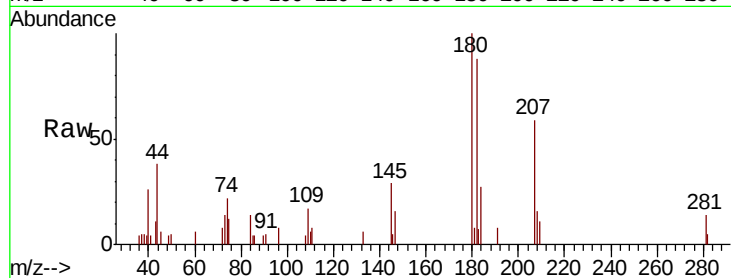
Tot Ion:180 Resp: 7432

Ion Ratio Lower Upper

180 100

182 91.1 47.9 143.7

145 29.2 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

