

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052429.D
 Acq On : 21 Nov 2018 11:11
 Operator : MD\SY
 Sample : PB114992TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:55:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	158148	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	234844	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	173627	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.09	98	669900	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	200207	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

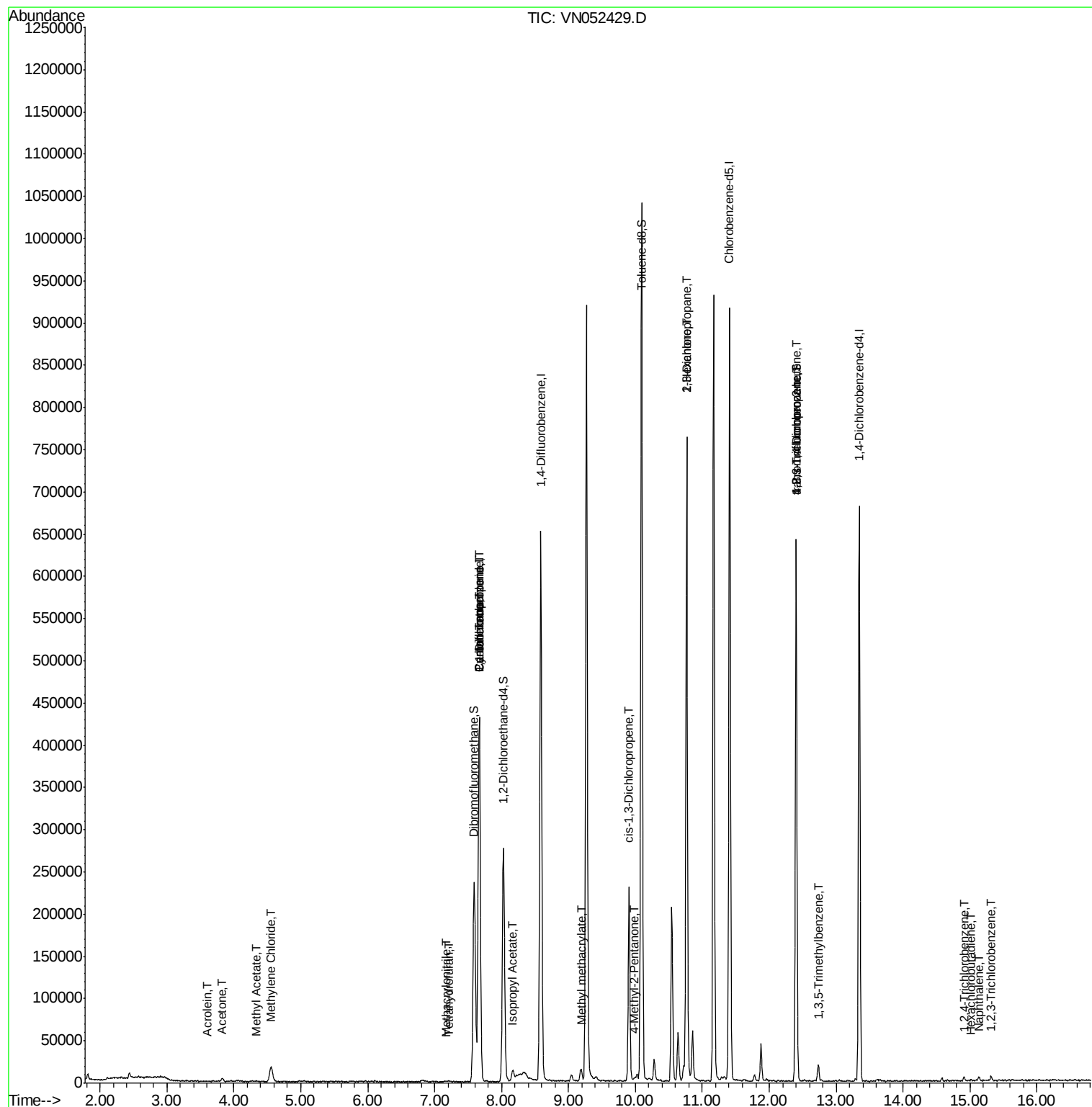
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	97	22.019	ug/l #	49
16) Acetone	3.82	43	6370	5.181	ug/l #	89
18) Methyl Acetate	4.34	43	1602	0.893	ug/l #	57
20) Methylene Chloride	4.55	84	11849	2.502	ug/l #	88
29) Tetrahydrofuran	7.20	42	659	0.580	ug/l #	40
31) Cyclohexane	7.66	56	10158	0.445	ug/l #	44
36) 1,1-Dichloropropene	7.66	75	29683	5.686	ug/l #	51
38) Carbon Tetrachloride	7.67	117	34716	7.239	ug/l #	16
41) Methacrylonitrile	7.18	41	185	3.777	ug/l #	100
43) Isopropyl Acetate	8.17	43	19609	2.682	ug/l #	94
48) Methyl methacrylate	9.18	41	4690	1.264	ug/l #	39
51) 4-Methyl-2-Pentanone	9.98	43	2930	0.796	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	34336	5.940	ug/l #	76
57) 1,3-Dichloropropane	10.76	76	7298	1.274	ug/l #	43
59) 2-Hexanone	10.76	43	130667	51.626	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	117871	43.925	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	10057	0.995	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	117871	142.465	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	1444	2.839	ug/l	93
94) Hexachlorobutadiene	15.01	225	278	0.239	ug/l #	58
95) Naphthalene	15.13	128	3532	3.203	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	1334	0.690	ug/l	81

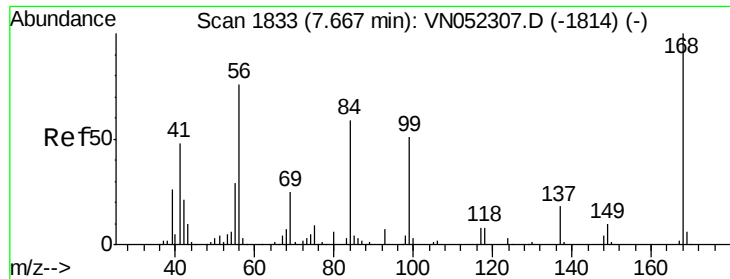
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112118\
Data File : VN052429.D
Acq On : 21 Nov 2018 11:11
Operator : MD\SY
Sample : PB114992TB
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Nov 21 23:55:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052429.D

Acq: 21 Nov 2018 11:11

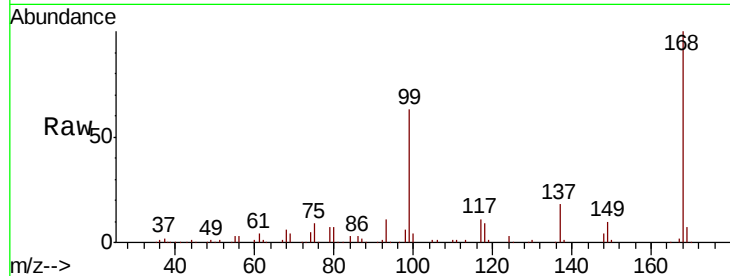
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 316190

Ion Ratio Lower Upper

168 100

99 63.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

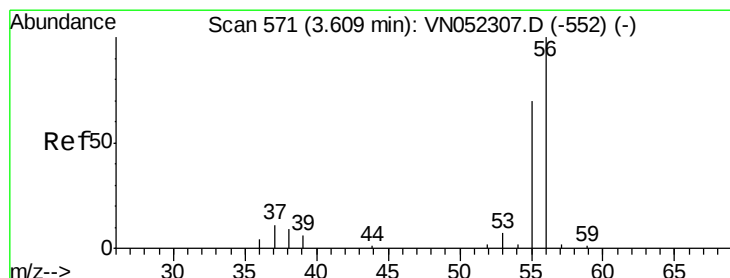
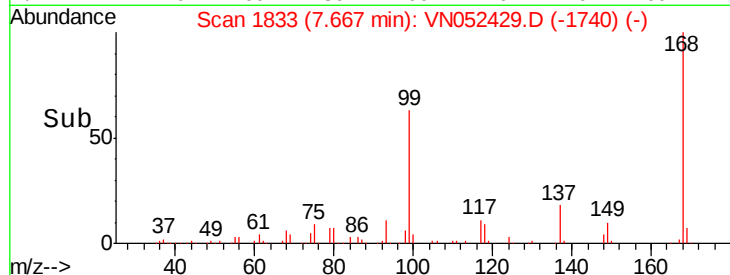
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 22.019 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052429.D

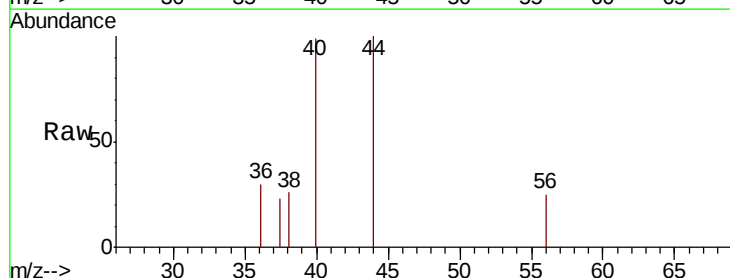
Acq: 21 Nov 2018 11:11

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 29.9 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

200

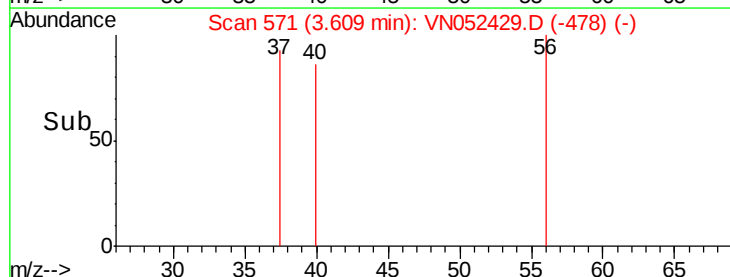
150

100

50

0

Time-->

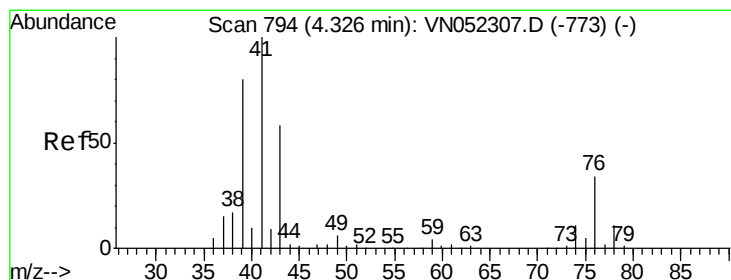
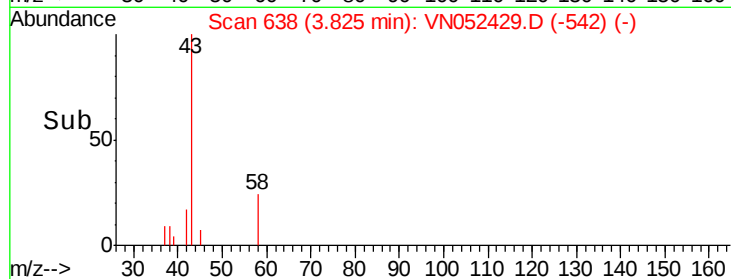
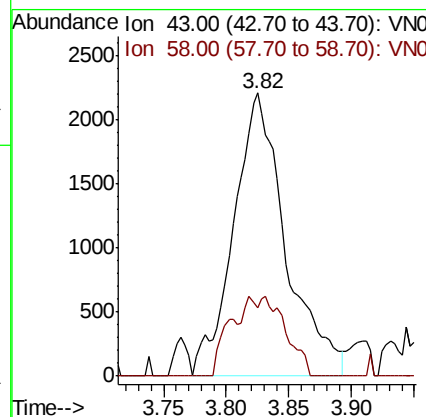
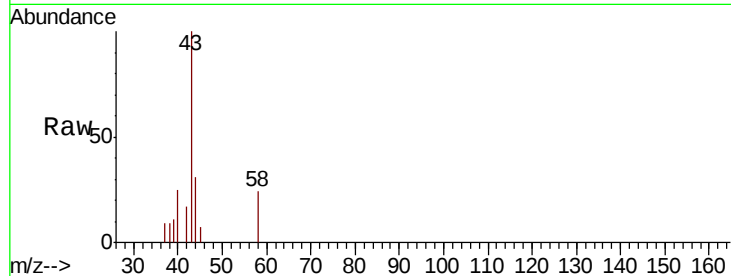




#16
Acetone
Concen: 5.181 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

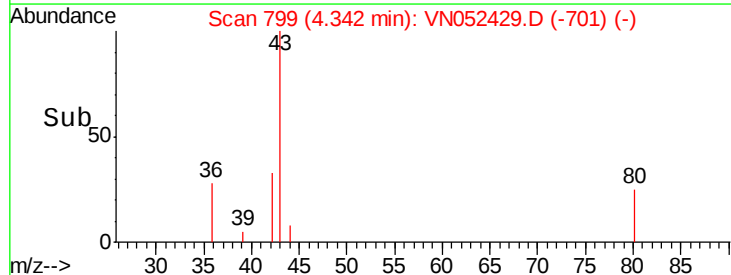
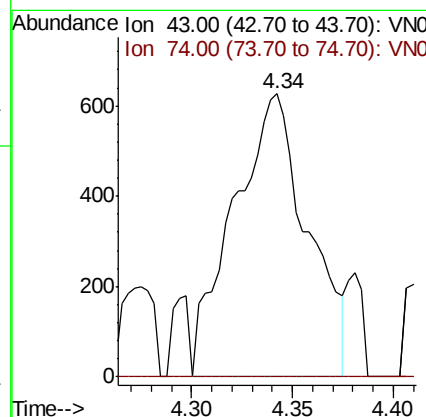
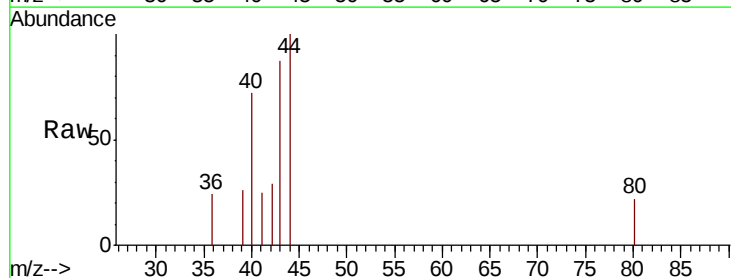
Instrument :
MSVOA_N
ClientSampled :

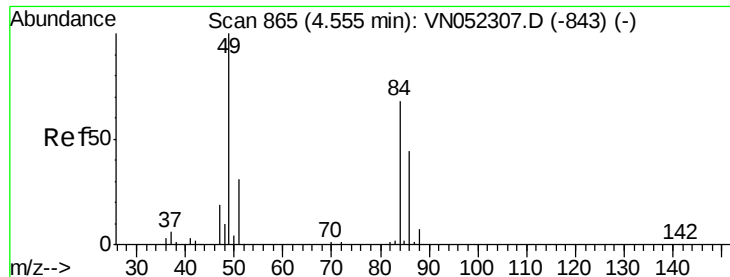
Tot Ion: 43 Resp: 6370
Ion Ratio Lower Upper
43 100
58 24.2 24.2 36.4#



#18
Methyl Acetate
Concen: 0.893 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#

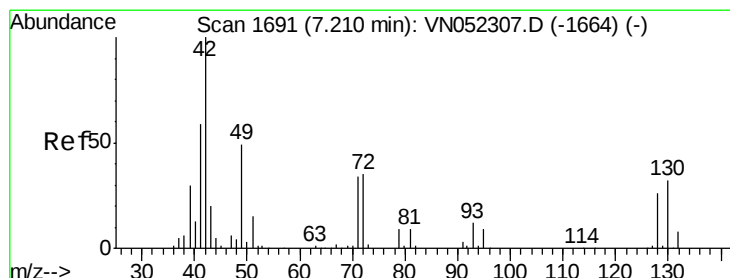
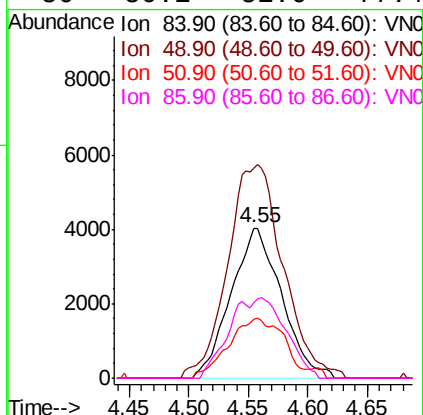
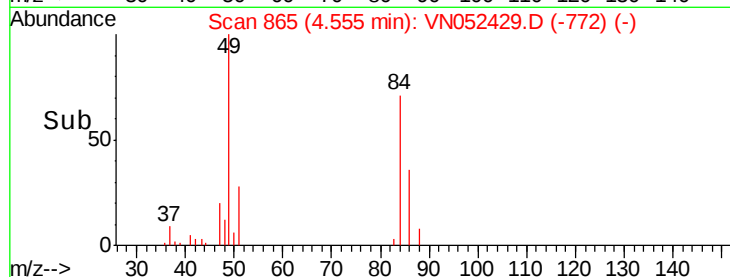
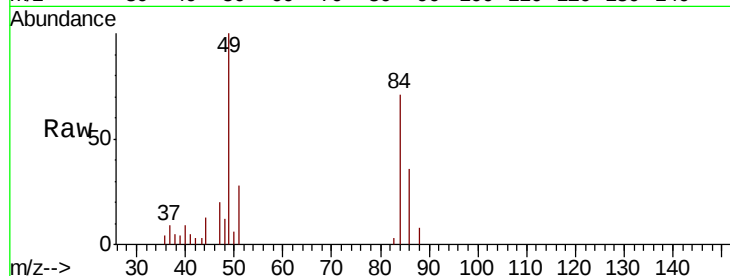




#20
Methvlene Chloride
Concen: 2.502 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

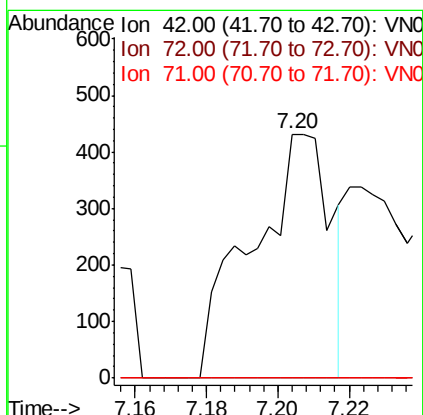
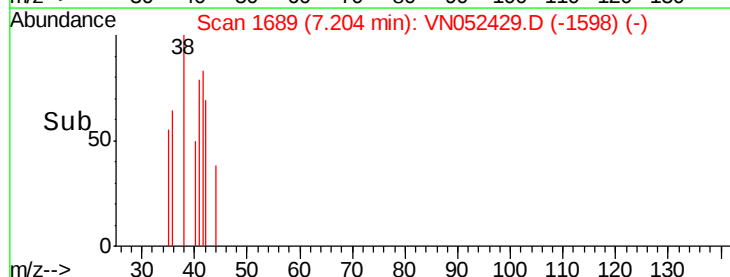
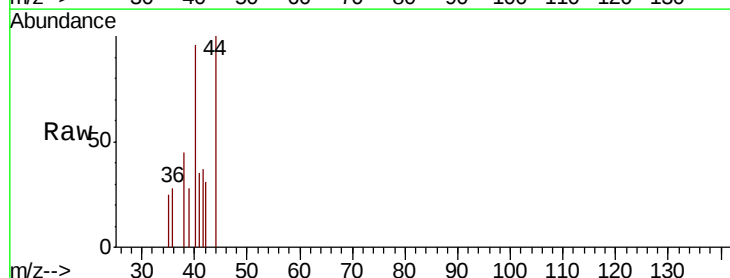
Instrument :
MSVOA_N
ClientSampled :

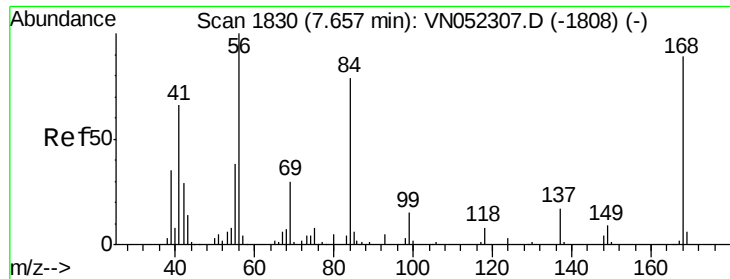
Tot Ion: 84 Resp: 11849
Ion Ratio Lower Upper
84 100
49 134.4 118.2 177.2
51 39.3 36.1 54.1
86 50.1 51.6 77.4#



#29
Tetrahydrofuran
Concen: 0.580 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion: 42 Resp: 659
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#

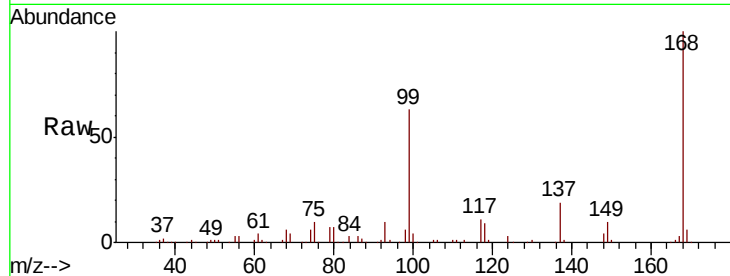




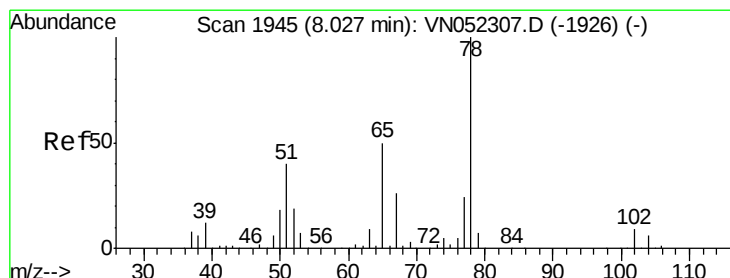
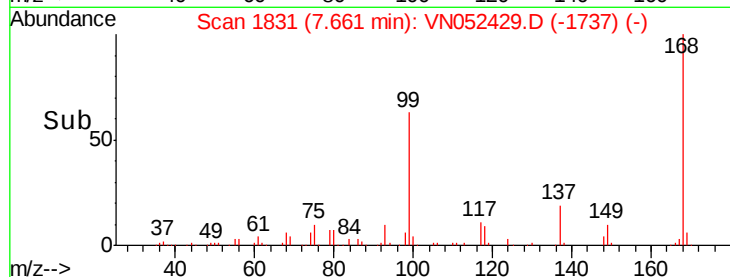
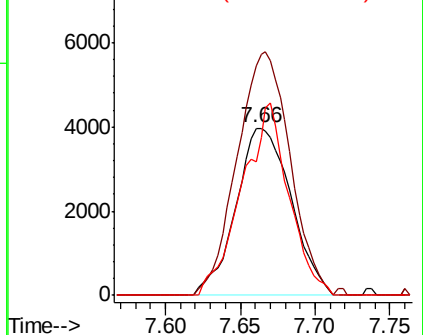
#31
Cyclohexane
Concen: 0.445 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10158
Ion Ratio Lower Upper
56 100
69 137.8 23.8 35.8#
84 80.3 63.0 94.6

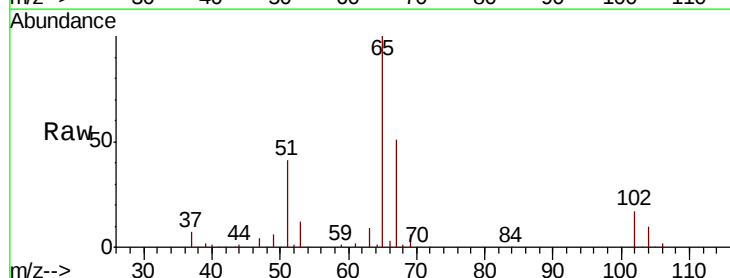


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

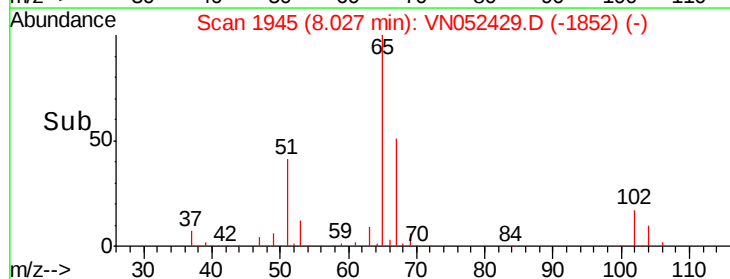
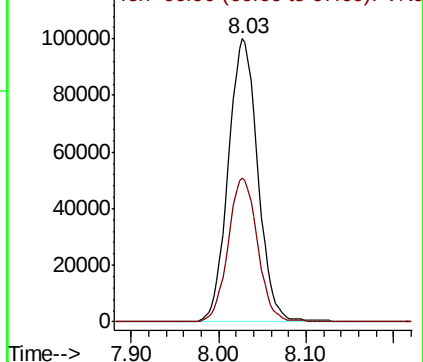


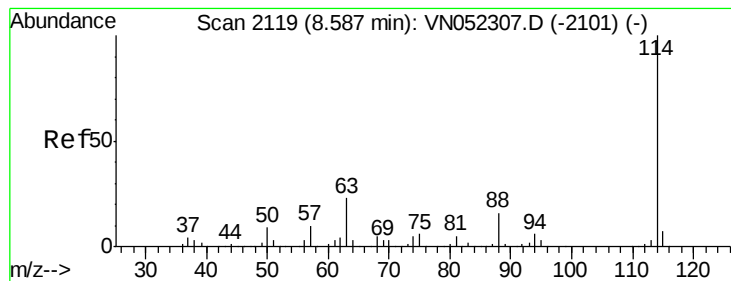
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion: 65 Resp: 234844
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

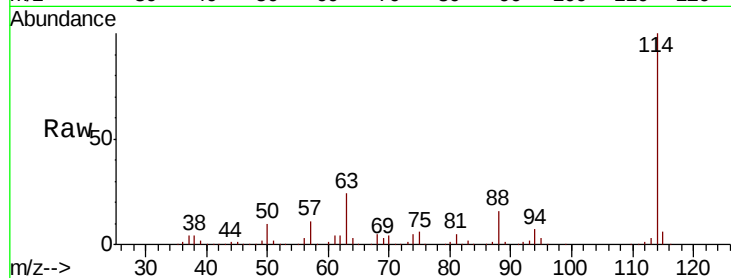
Tot Ion:114 Resp: 520796

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.4

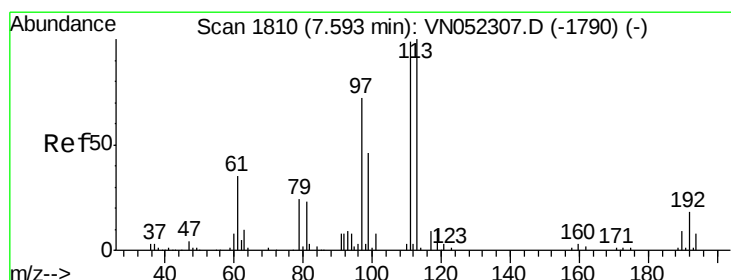
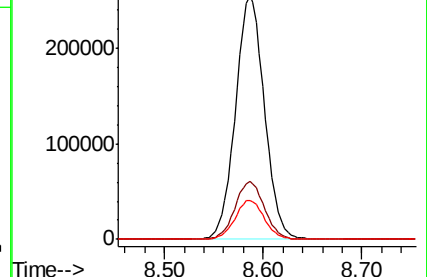
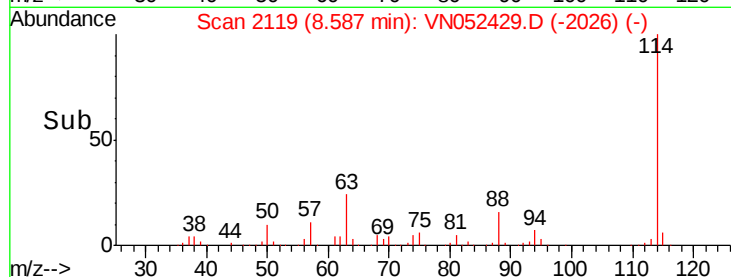
88 16.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

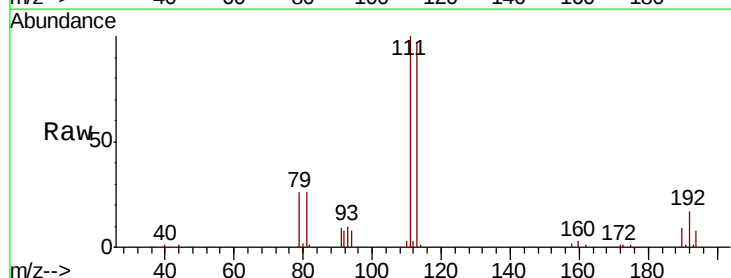
Tgt Ion:113 Resp: 173627

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.6

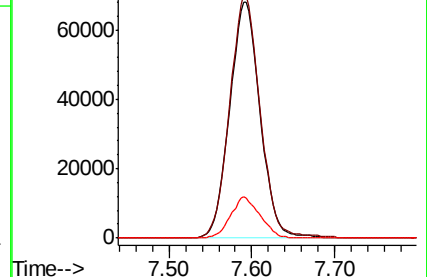
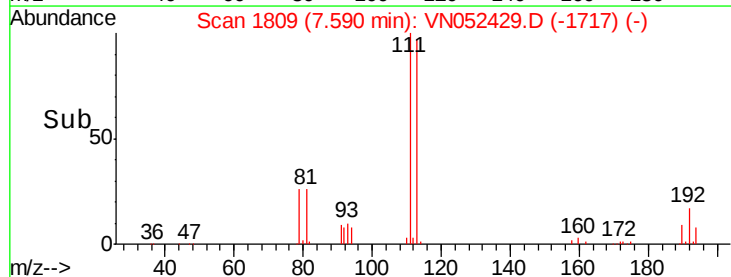
192 16.8 13.8 20.6

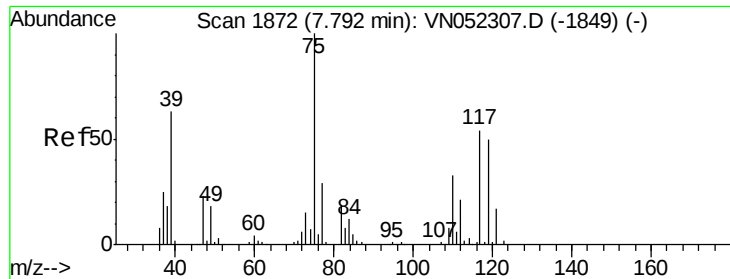


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

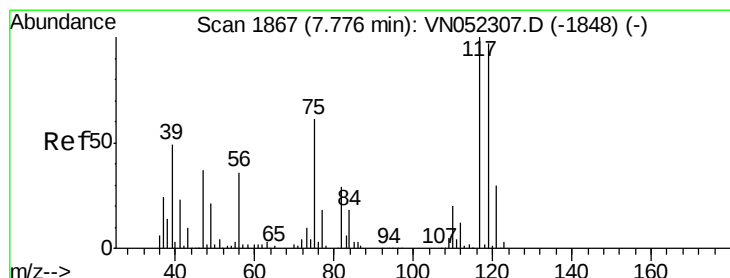
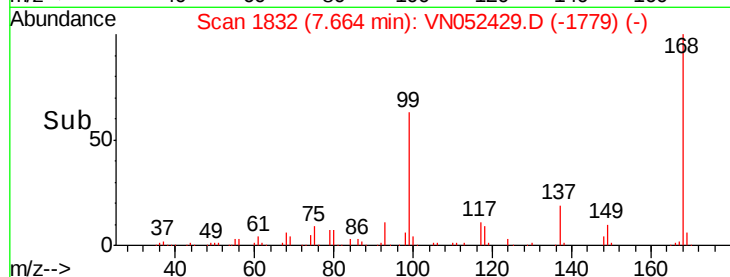
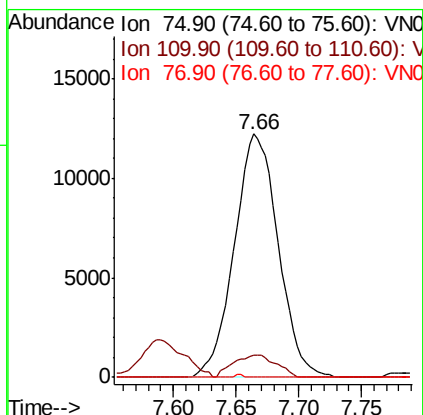
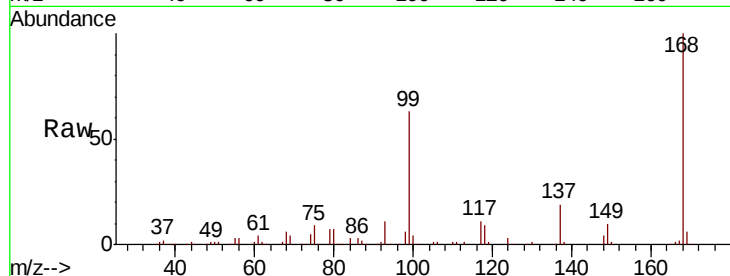




#36
 1,1-Dichloropropene
 Concen: 5.686 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

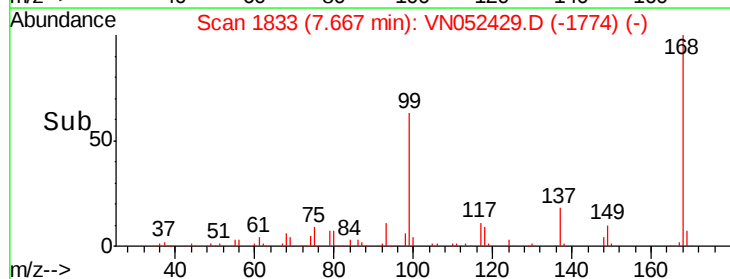
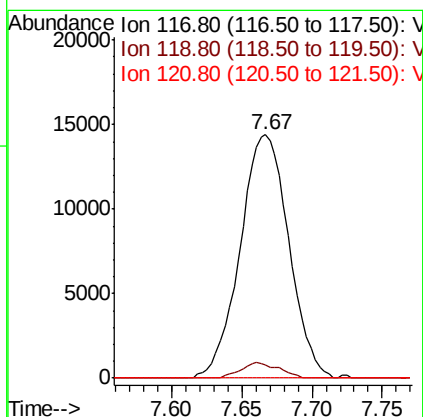
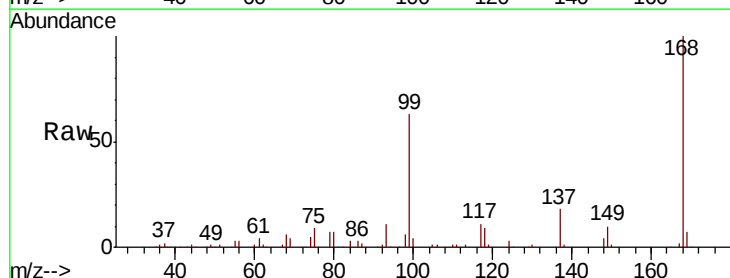
Instrument :
 MSVOA_N
 ClientSampleId :

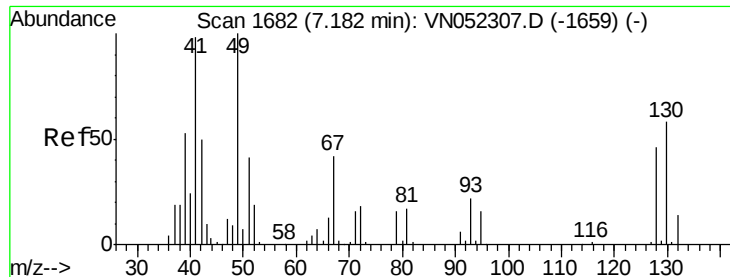
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.5	49.5#
77	0.2	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 7.239 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.4	116.0#
121	0.0	24.0	36.0#

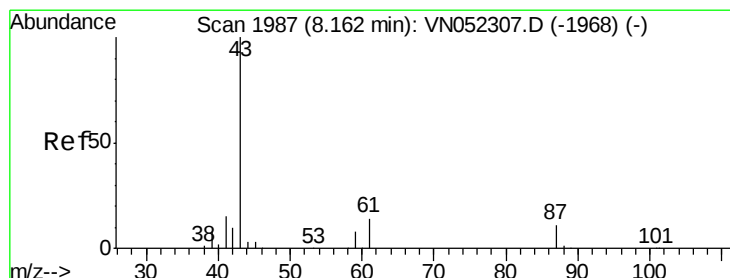
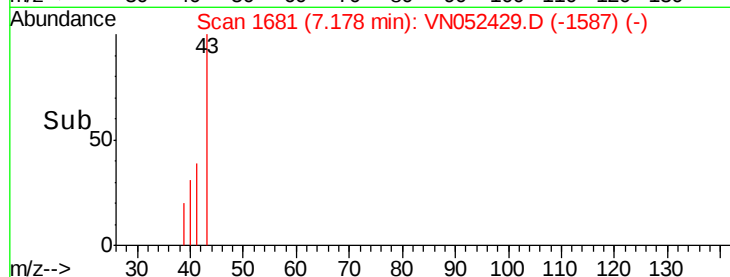
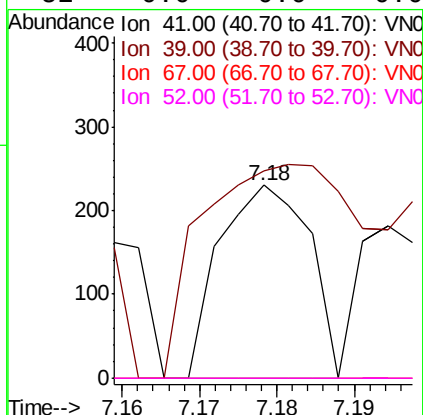
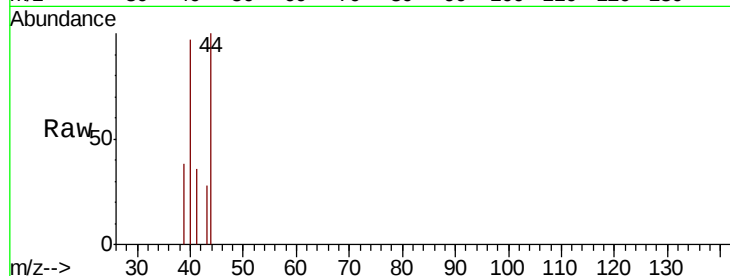




#41
Methacrylonitrile
Concen: 3.777 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

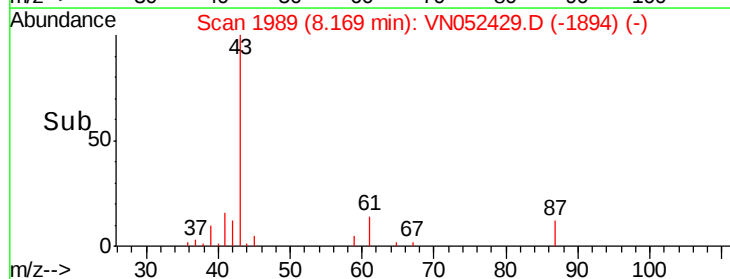
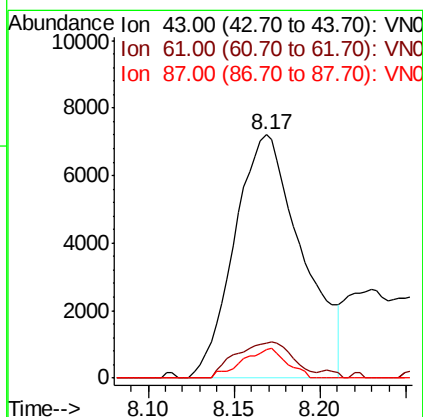
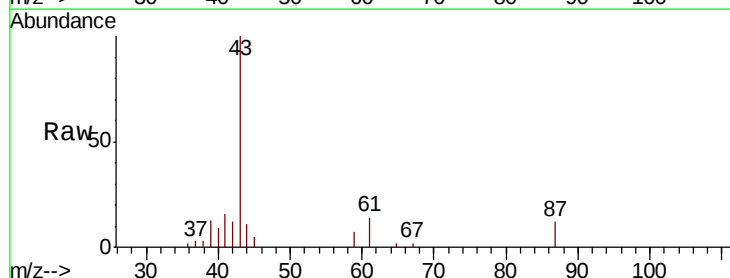
Instrument :
MSVOA_N
ClientSampleId :

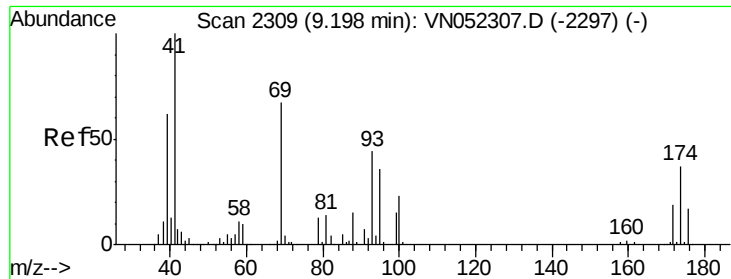
Tot Ion:	41	Resp:	185
Ion	Ratio	Lower	Upper
41	100		
39	203.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.682 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion:	43	Resp:	19609
Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.0	18.0
87	8.1	8.3	12.5#

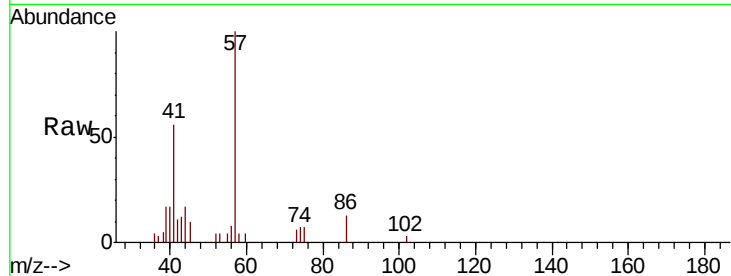




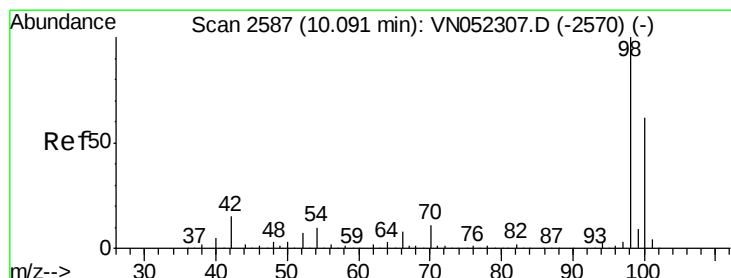
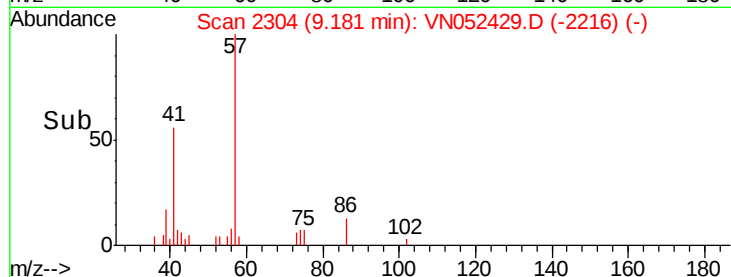
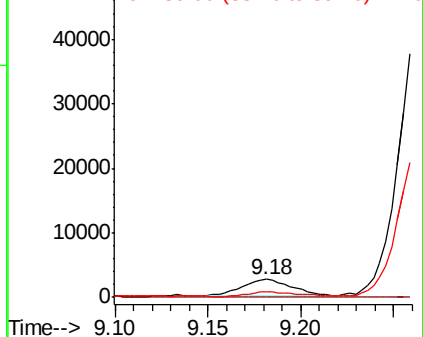
#48
Methvl methacrylate
Concen: 1.264 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4690
Ion Ratio Lower Upper
41 100
69 1.3 57.1 85.7#
39 38.1 52.5 78.7#

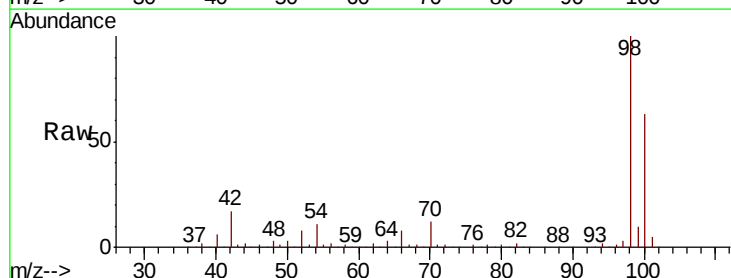


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

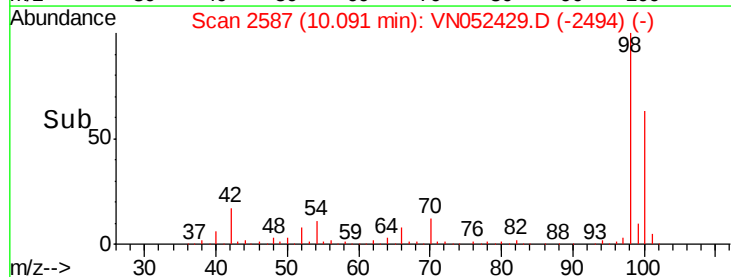
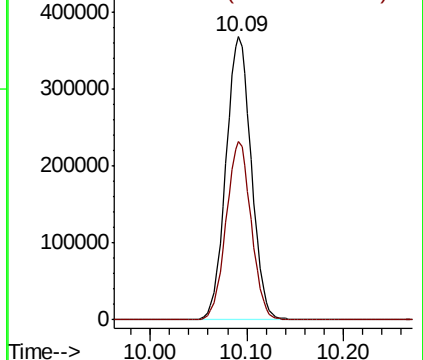


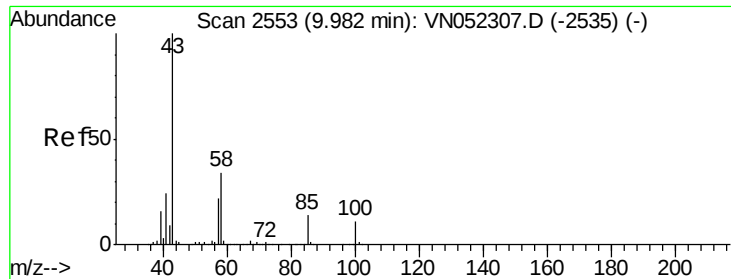
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion: 98 Resp: 669900
Ion Ratio Lower Upper
98 100
100 62.3 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.796 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

Instrument :

MSVOA_N

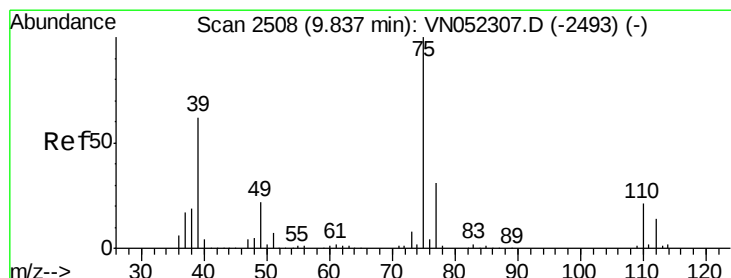
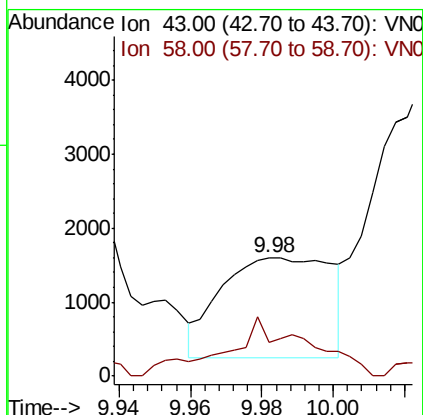
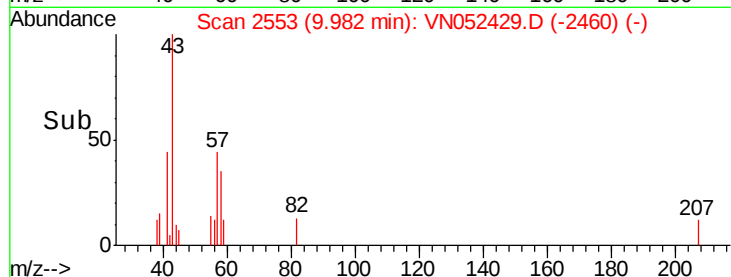
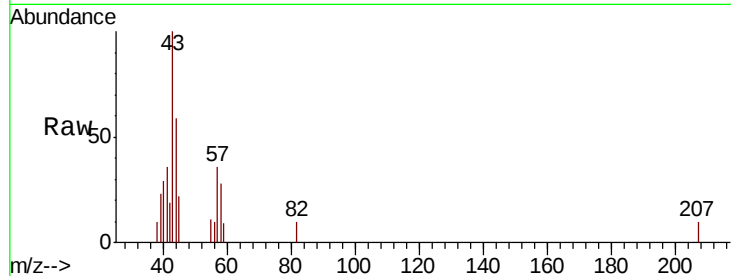
ClientSampled :

Tot Ion: 43 Resp: 2930

Ion Ratio Lower Upper

43 100

58 27.2 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 5.940 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

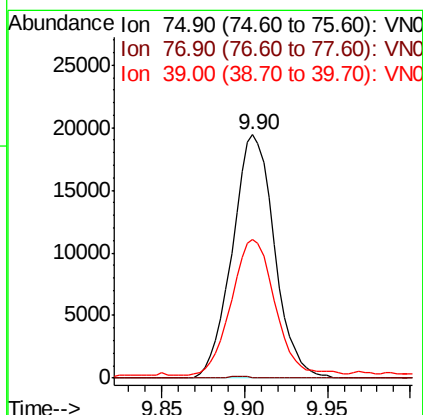
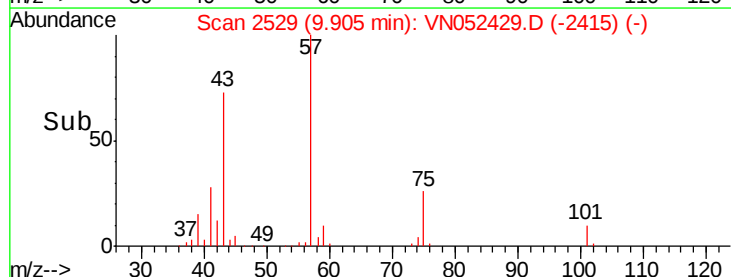
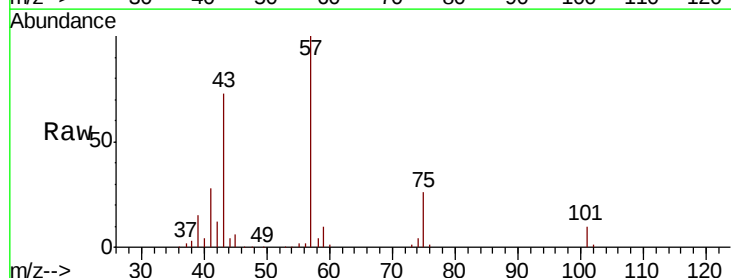
Tgt Ion: 75 Resp: 34336

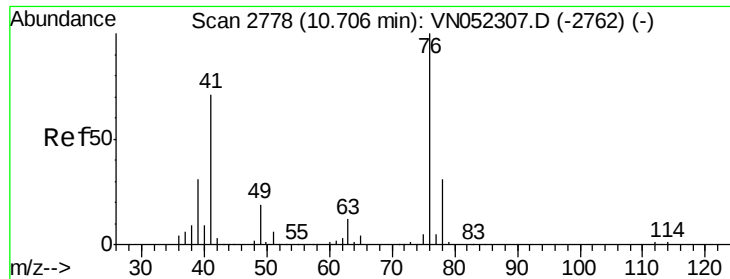
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 55.9 49.9 74.9





#57

1,3-Dichloropropane

Concen: 1.274 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

Instrument :

MSVOA_N

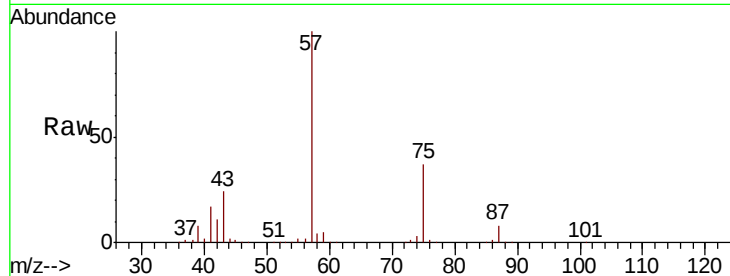
ClientSampled :

Tot Ion: 76 Resp: 7298

Ion Ratio Lower Upper

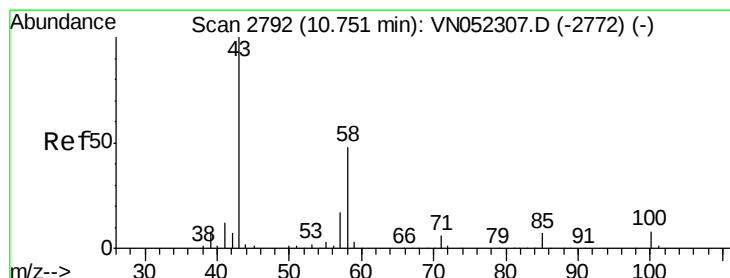
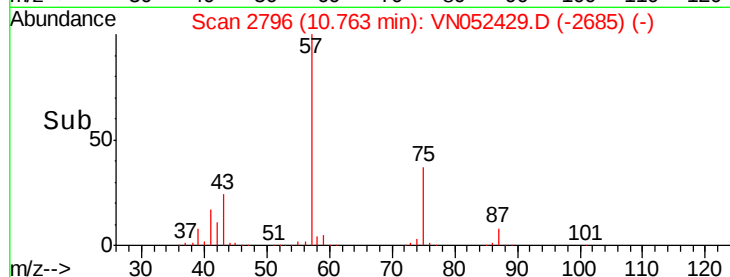
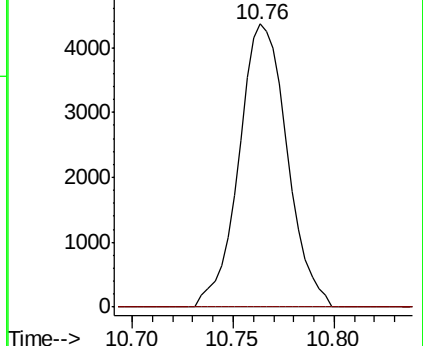
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 51.626 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052429.D

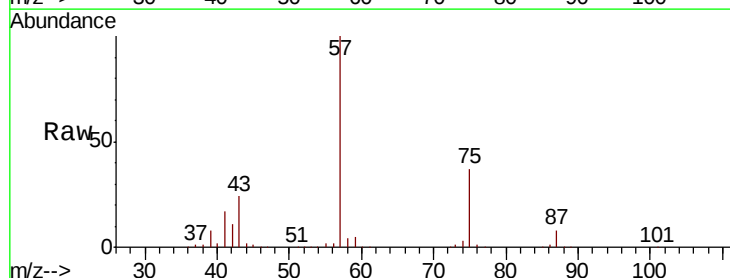
Acq: 21 Nov 2018 11:11

Tgt Ion: 43 Resp: 130667

Ion Ratio Lower Upper

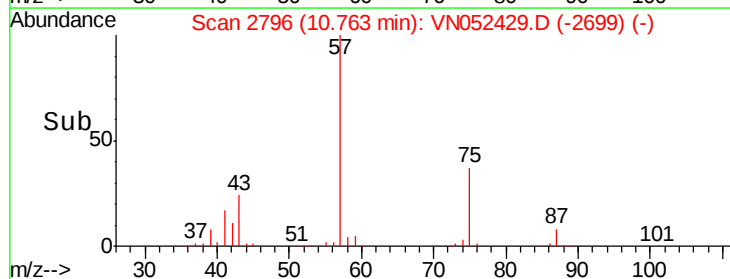
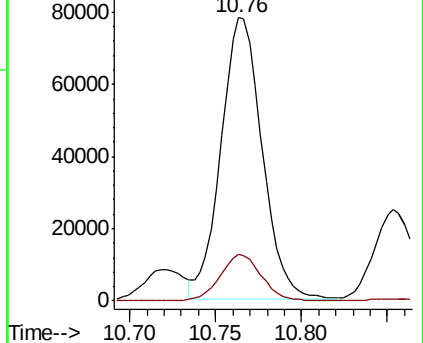
43 100

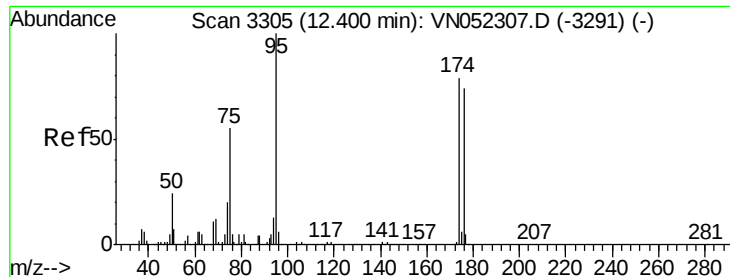
58 16.7 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

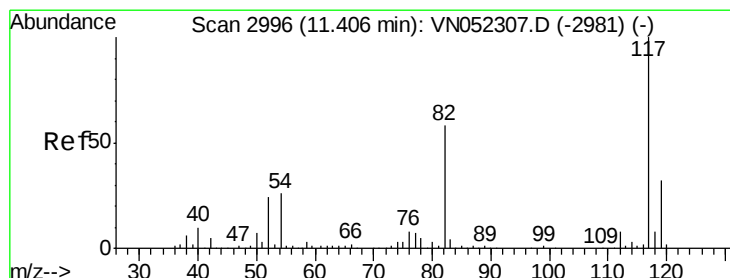
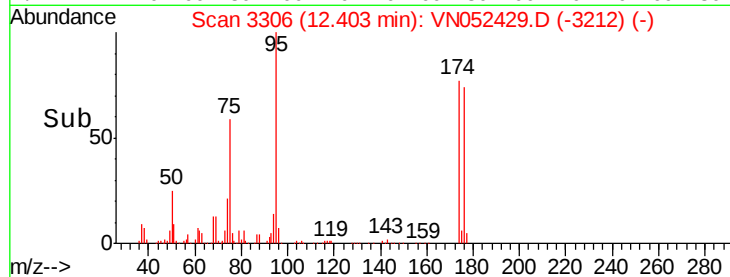
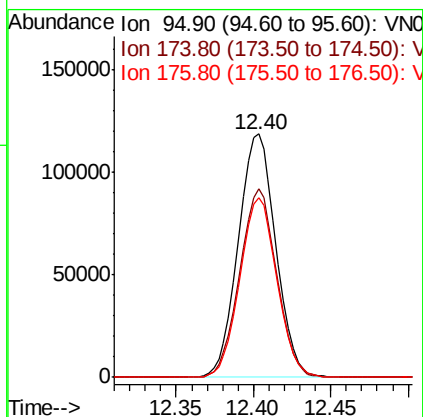
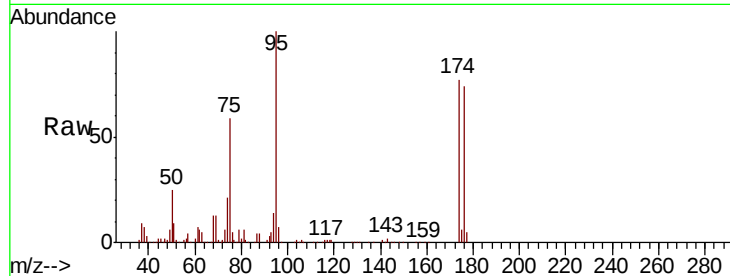




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

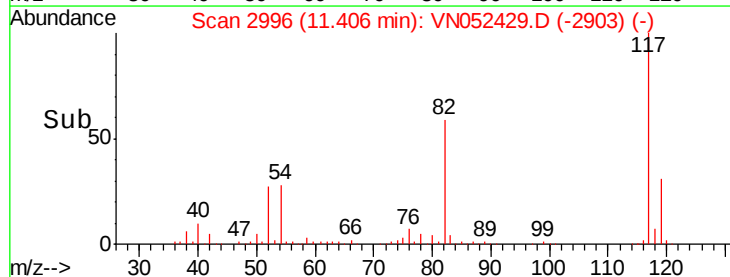
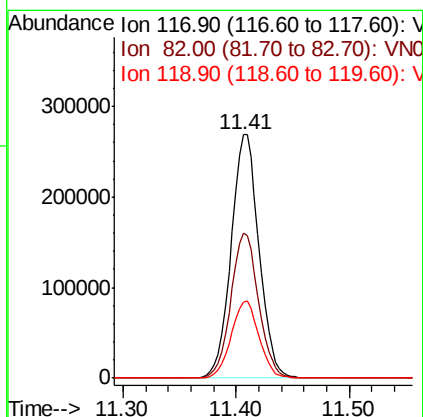
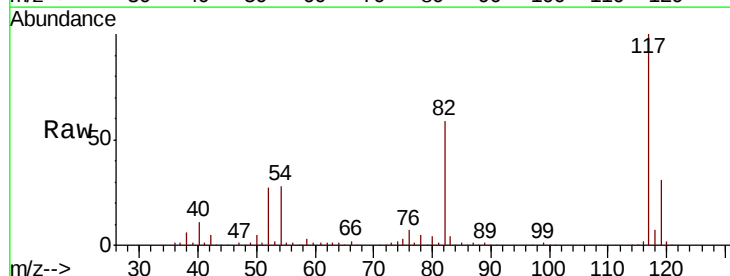
Instrument :
MSVOA_N
ClientSampleId :

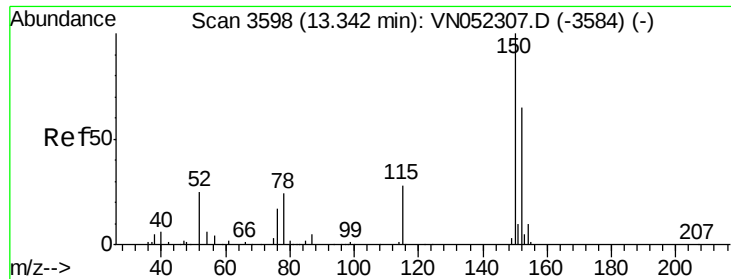
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	156.0
176	73.0	0.0	148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052429.D
Acq: 21 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.5	69.7
119	31.4	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

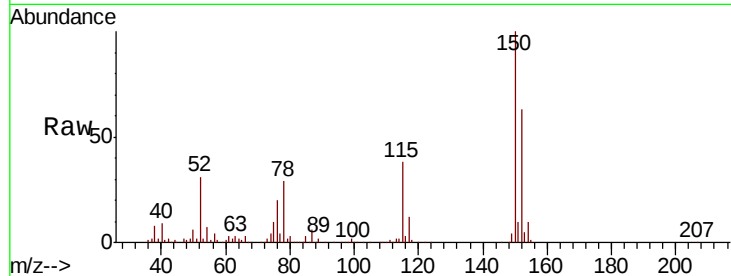
Tot Ion:152 Resp: 158148

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

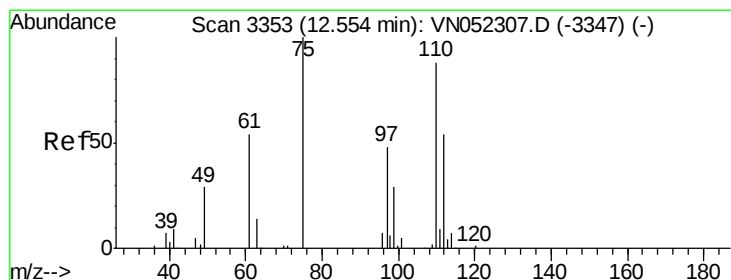
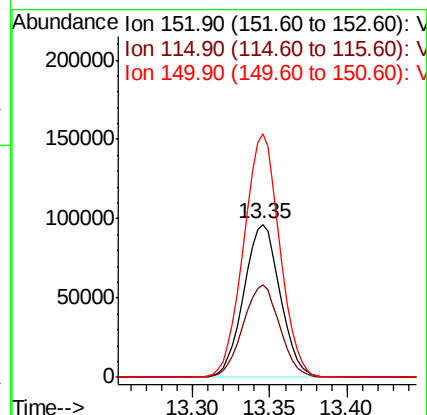
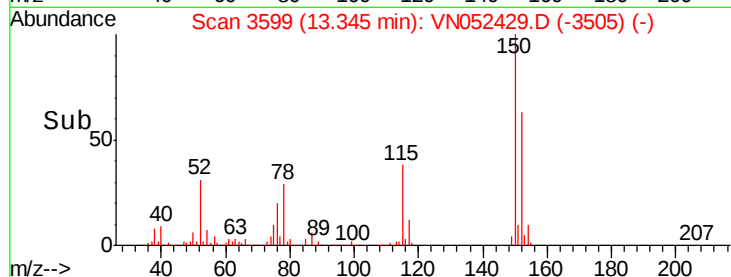
150 157.4 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 43.925 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052429.D

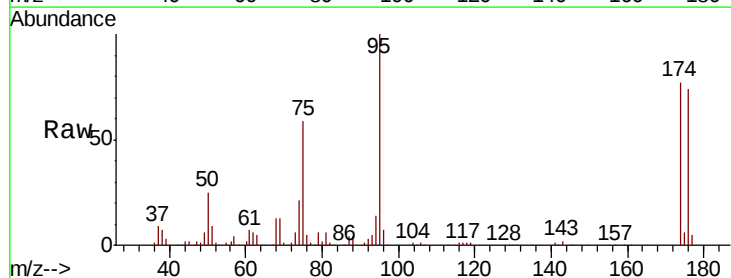
Acq: 21 Nov 2018 11:11

Tgt Ion: 75 Resp: 117871

Ion Ratio Lower Upper

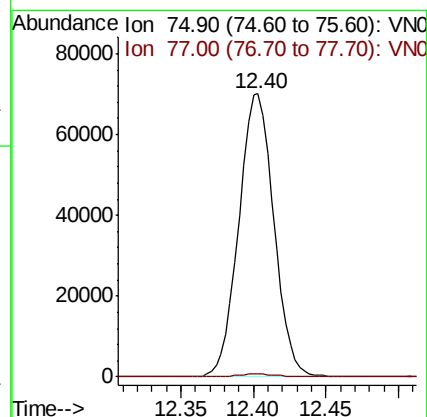
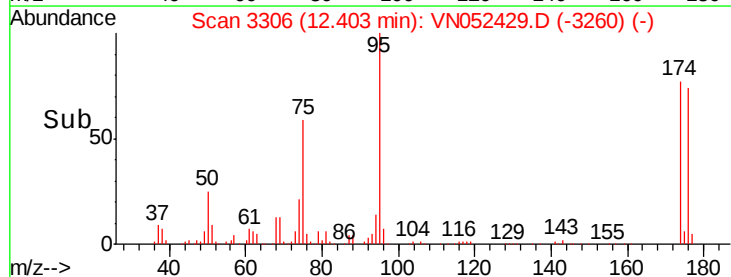
75 100

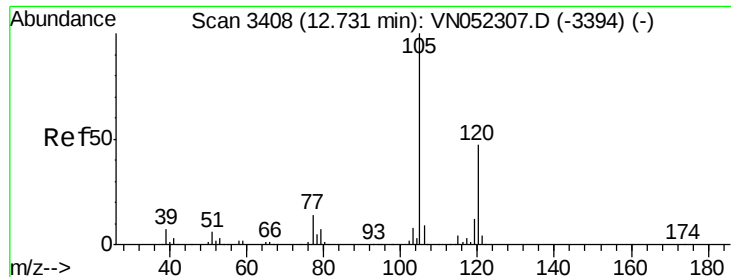
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

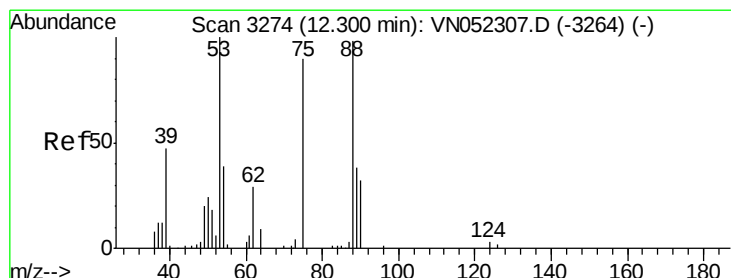
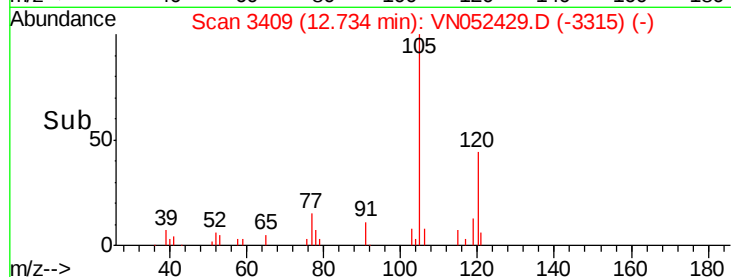
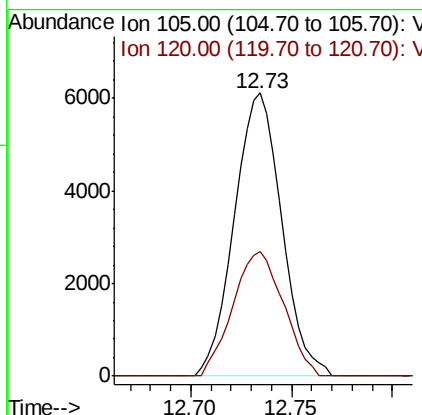
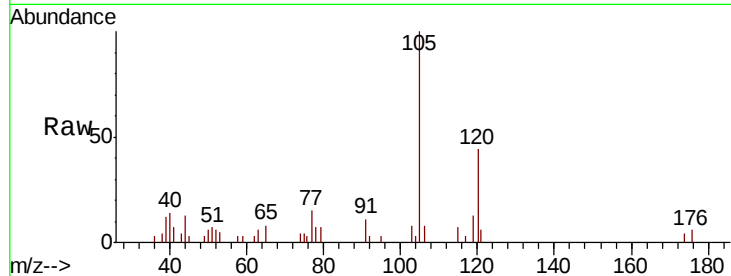




#80
 1,3,5-Trimethylbenzene
 Concen: 0.995 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

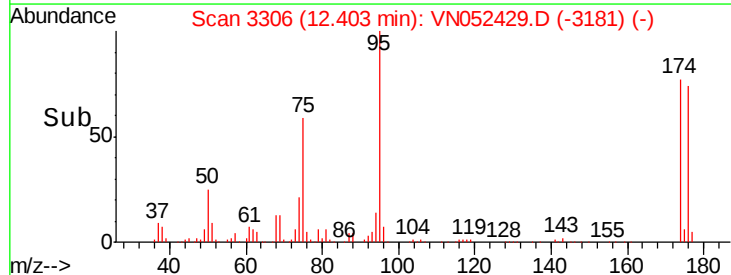
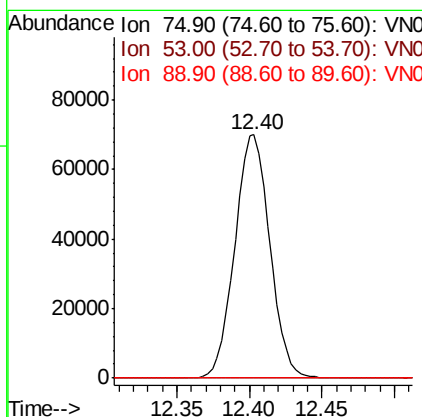
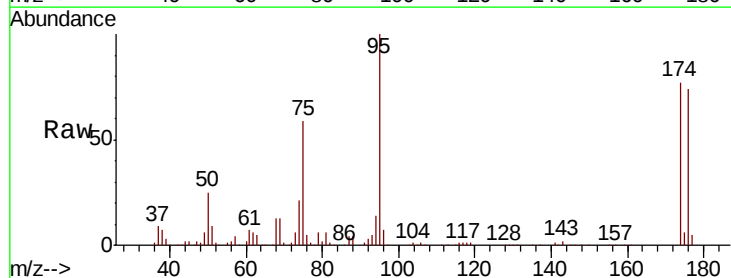
Instrument :
 MSVOA_N
 ClientSampleId :

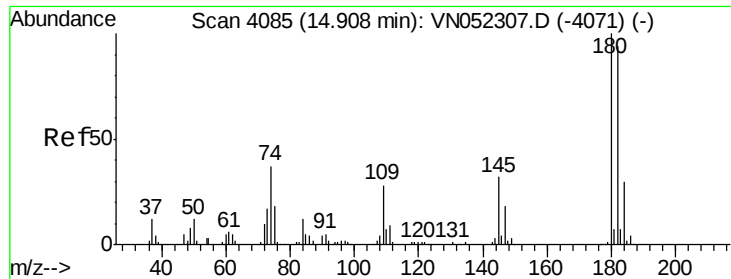
Tot Ion:105 Resp: 10057
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.465 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

Tgt Ion: 75 Resp: 117871
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.2 135.2#
 89 0.0 35.4 53.0#

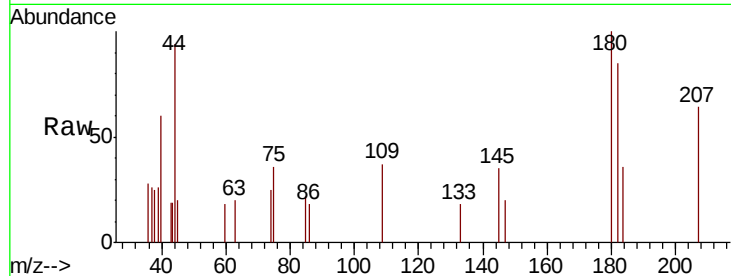




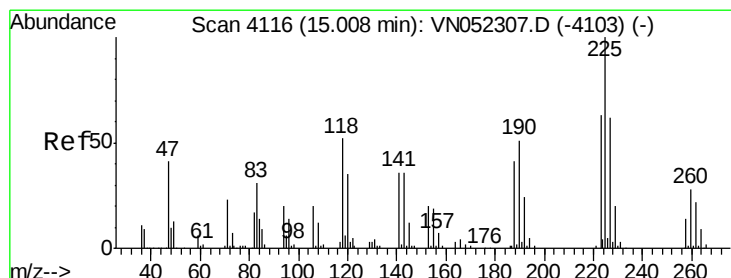
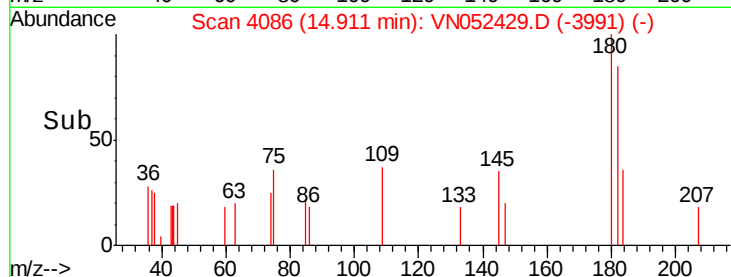
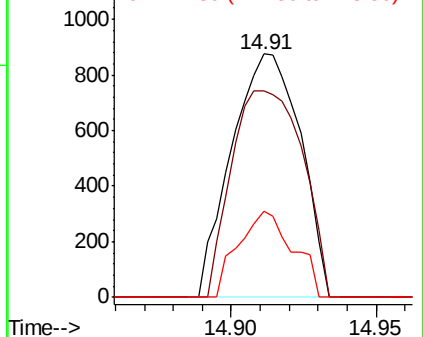
#93
 1,2,4-Trichlorobenzene
 Concen: 2.839 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1444
 Ion Ratio Lower Upper
 180 100
 182 87.7 47.6 142.9
 145 28.0 15.5 46.5

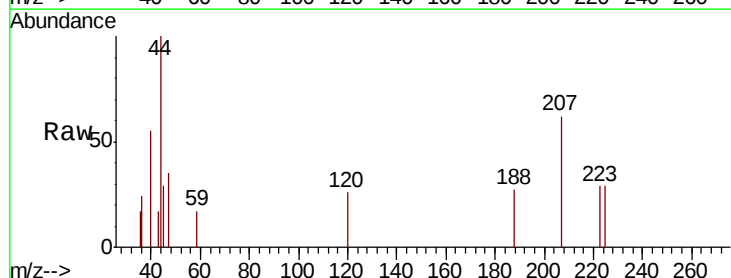


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

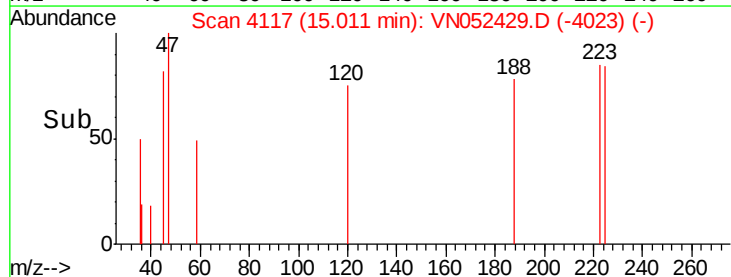
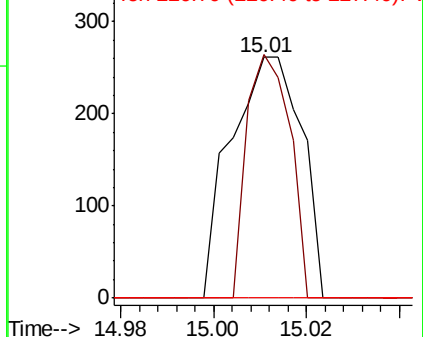


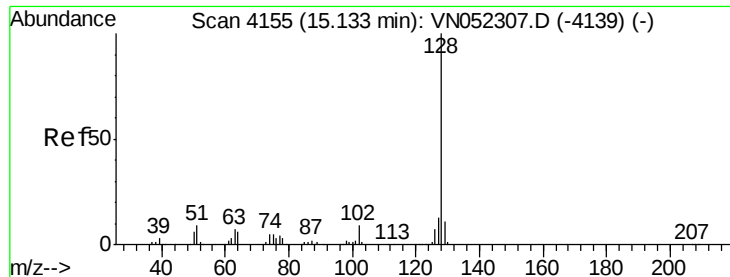
#94
 Hexachlorobutadiene
 Concen: 0.239 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052429.D
 Acq: 21 Nov 2018 11:11

Tgt Ion:225 Resp: 278
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.5
 227 0.0 31.6 95.0#



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: 3.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

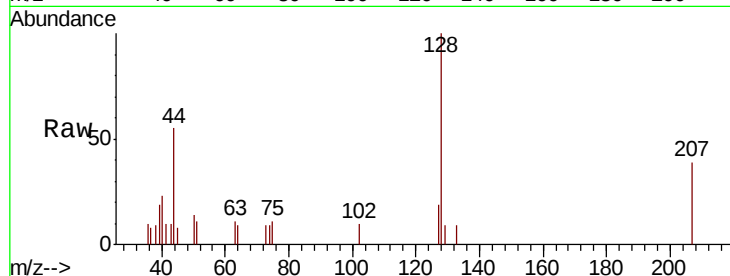
Tot Ion:128 Resp: 3532

Ion Ratio Lower Upper

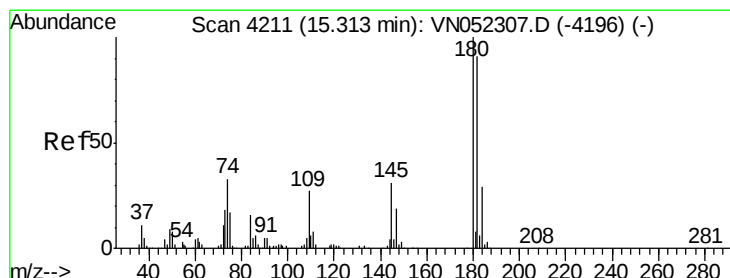
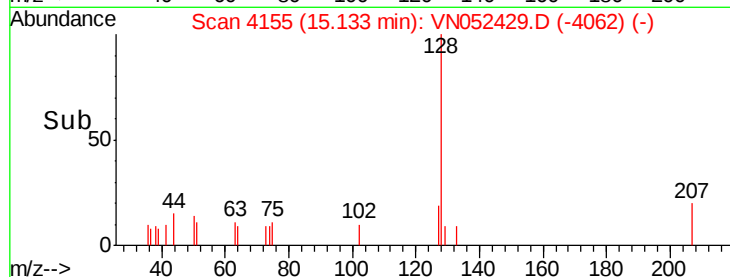
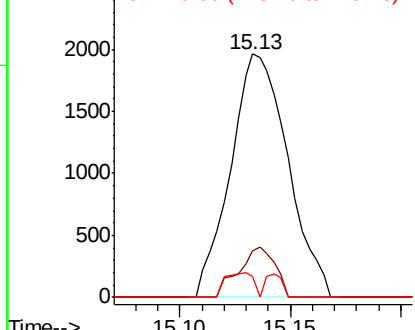
128 100

127 13.1 10.4 15.6

129 4.9 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: 0.690 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052429.D

Acq: 21 Nov 2018 11:11

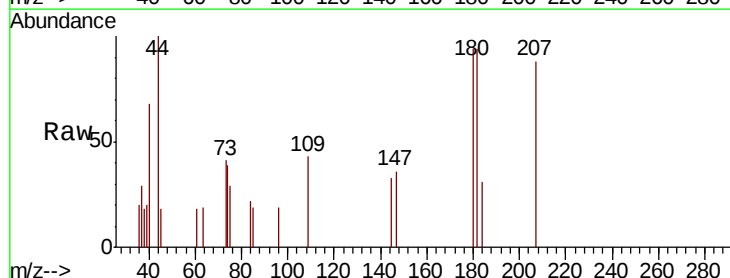
Tgt Ion:180 Resp: 1334

Ion Ratio Lower Upper

180 100

182 117.2 46.5 139.3

145 32.8 16.4 49.2



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

