

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052361.D
 Acq On : 16 Nov 2018 13:40
 Operator : MD\SY
 Sample : J5957-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Nov 16 22:39:39 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	311252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	526388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	222012	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.59	113	171620	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.09	98	655872	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	191972	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	

Target Compounds

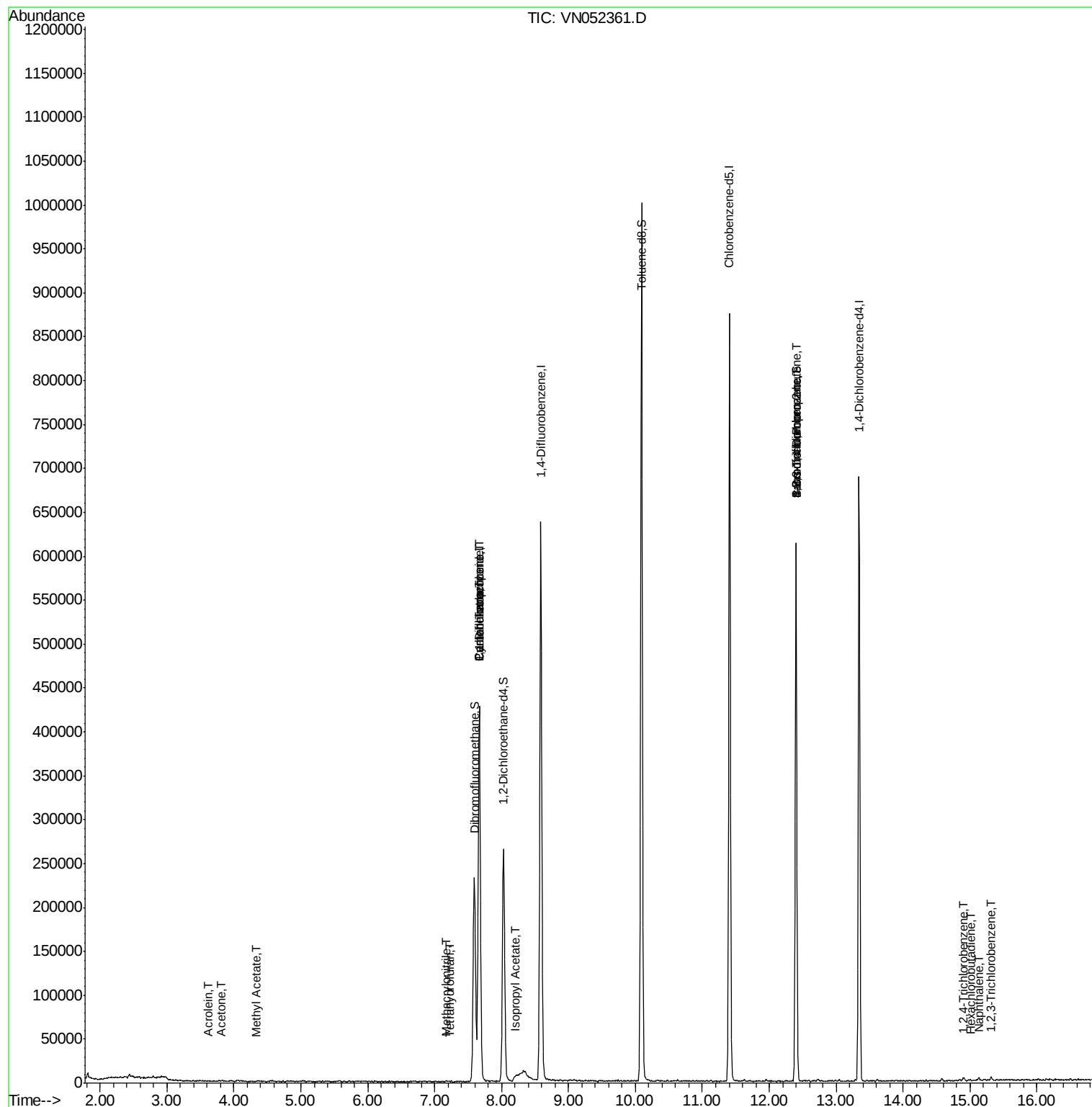
						Qvalue
13) Acrolein	3.62	56	62	21.932	ug/l #	70
16) Acetone	3.82	43	619	0.511	ug/l #	44
18) Methyl Acetate	4.33	43	213	0.494	ug/l #	57
20) Methylene Chloride	4.55	84	144	Below Cal	#	58
29) Tetrahydrofuran	7.21	42	288	0.257	ug/l #	69
31) Cyclohexane	7.67	56	9273	0.334	ug/l #	17
36) 1,1-Dichloropropene	7.66	75	28395	5.382	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33596	6.931	ug/l #	16
41) Methacrylonitrile	7.17	41	33	3.710	ug/l #	100
43) Isopropyl Acetate	8.19	43	2943	0.398	ug/l #	67
71) Bromoform	12.40	173	2622	1.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	111479	40.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	111479	130.934	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	1022	2.657	ug/l	89
94) Hexachlorobutadiene	15.01	225	298	0.249	ug/l #	32
95) Naphthalene	15.14	128	2691	3.047	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.32	180	1128	0.567	ug/l	84

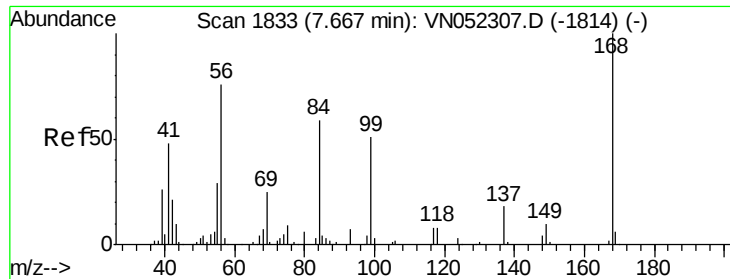
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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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: VN052361.D

Acq: 16 Nov 2018 13:40

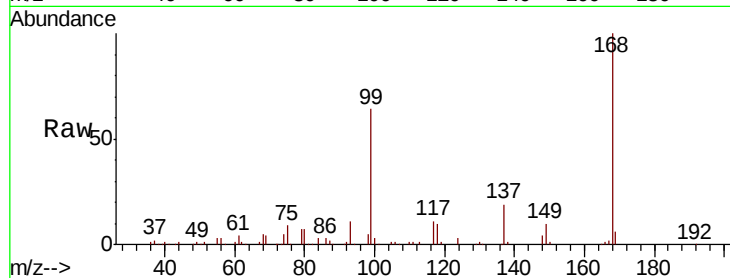
Instrument :
MSVOA_N
ClientSampled :
TB

Tot Ion:168 Resp: 311252

Ion Ratio Lower Upper

168 100

99 64.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D

Ion 98.90 (98.60 to 99.60): VN052307.D

7.67

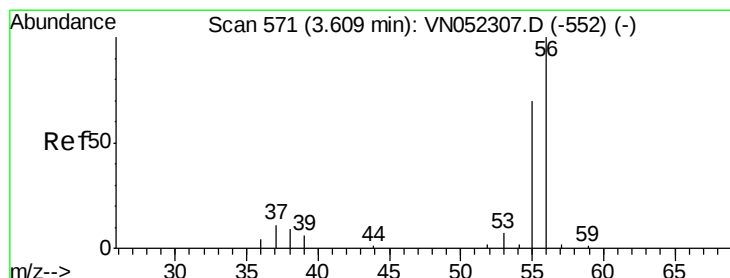
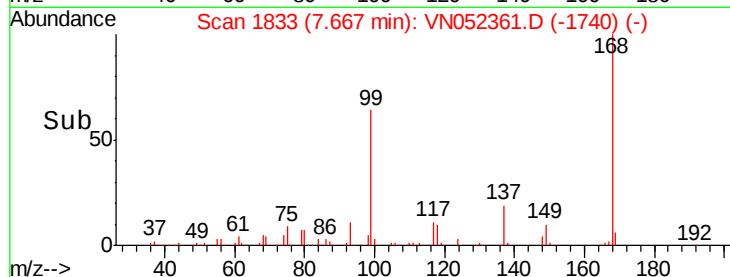
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 21.932 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052361.D

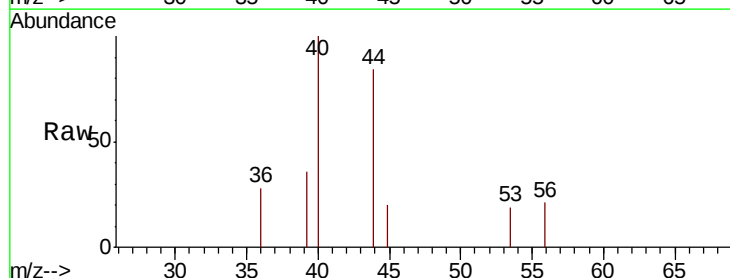
Acq: 16 Nov 2018 13:40

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 96.8 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D

Ion 55.00 (54.70 to 55.70): VN052307.D

3.62

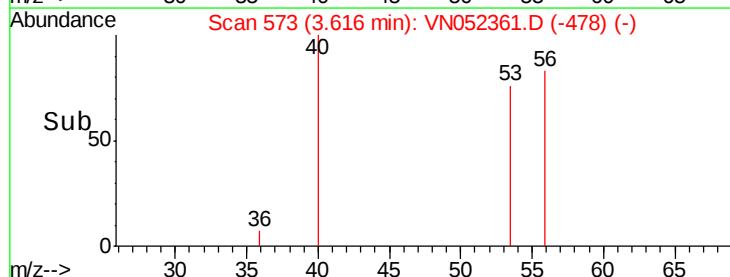
150

100

50

0

Time-->





#16

Acetone

Concen: 0.511 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :

MSVOA_N

ClientSampled :

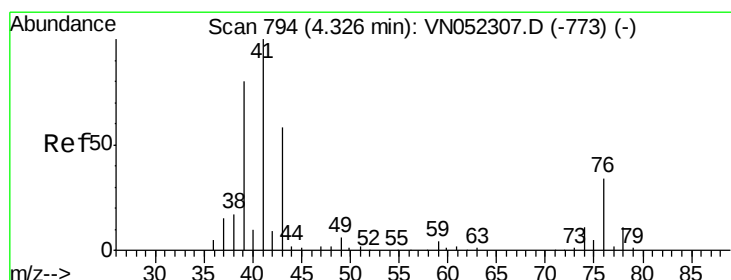
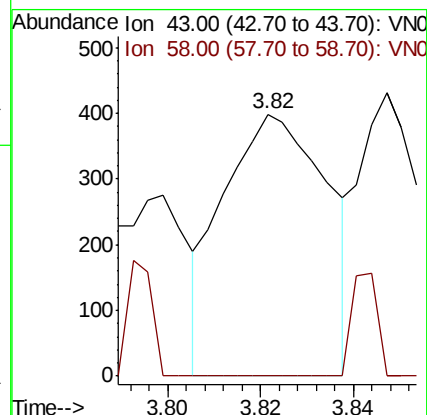
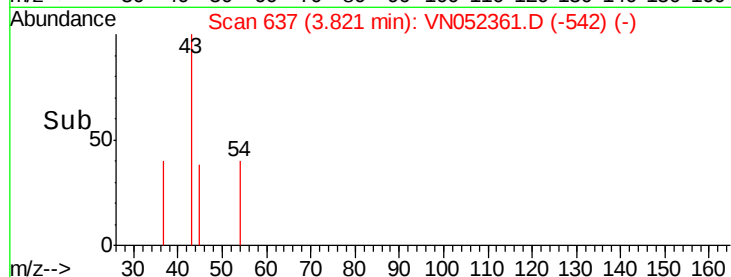
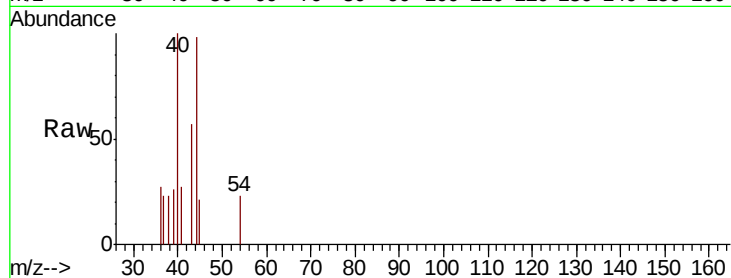
TB

Tot Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#



#18

Methyl Acetate

Concen: 0.494 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052361.D

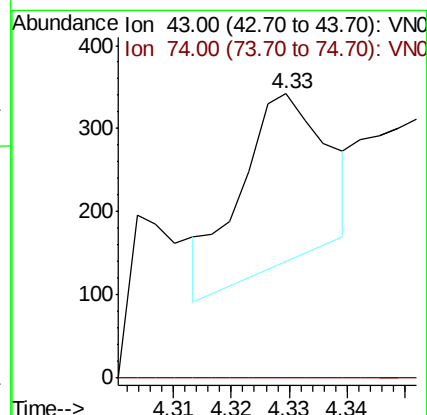
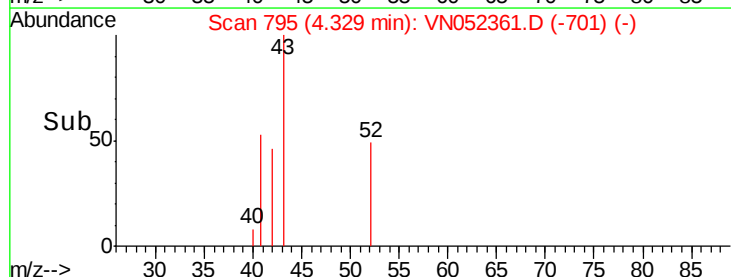
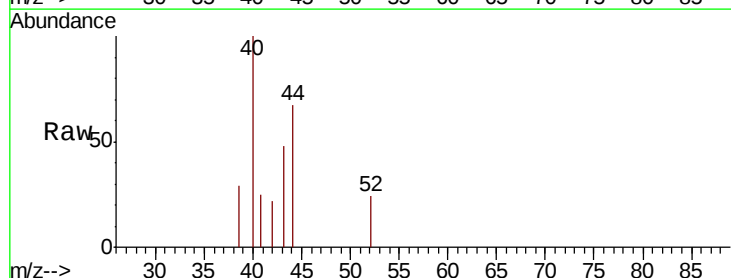
Acq: 16 Nov 2018 13:40

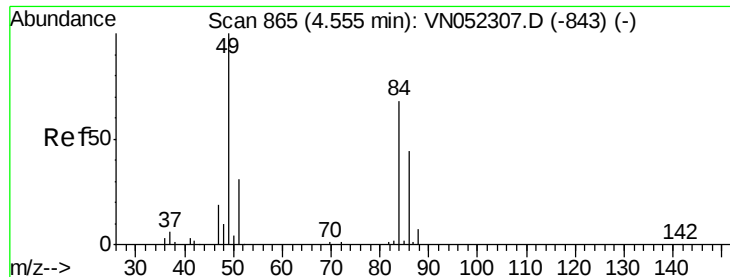
Tgt Ion: 43 Resp: 213

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 864

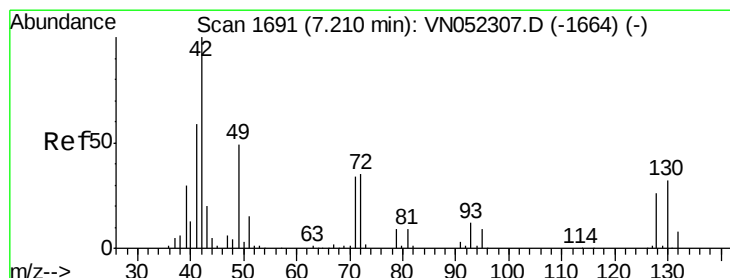
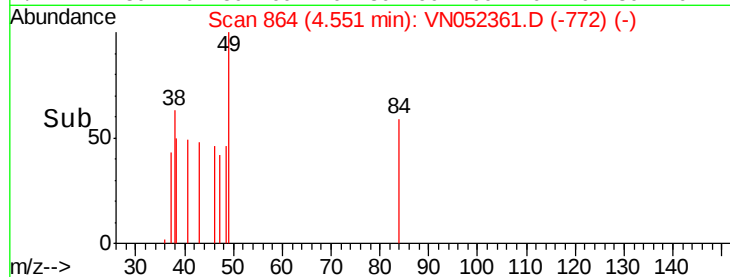
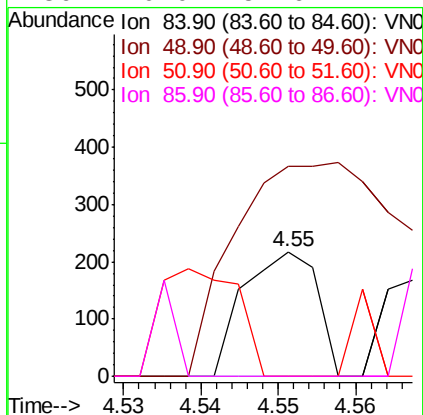
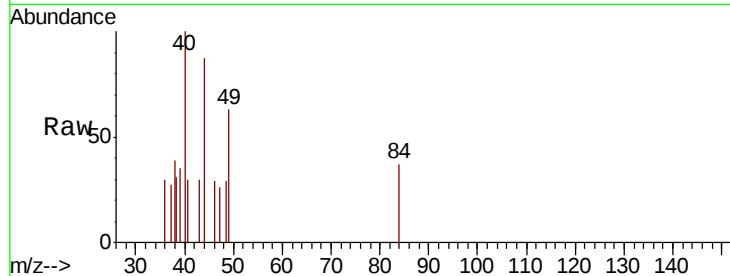
Delta R.T. -0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :
MSVOA_N
ClientSampled :
TB

Tot Ion:	84	Resp:	144
Ion	Ratio	Lower	Upper
84	100		
49	168.3	118.2	177.2
51	0.0	36.1	54.1#
86	0.0	51.6	77.4#



#29

Tetrahydrofuran

Concen: 0.257 ug/l

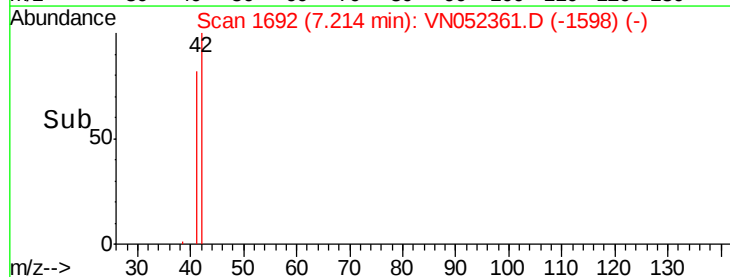
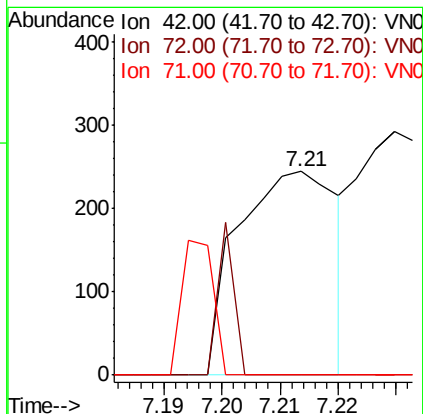
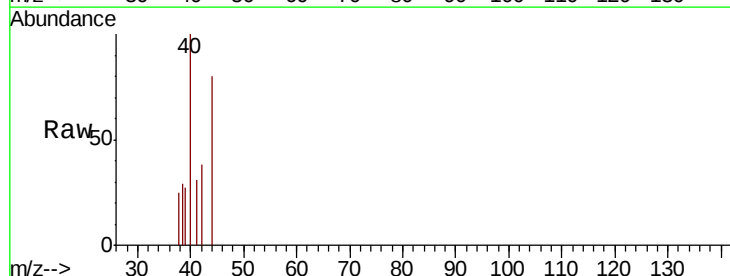
RT: 7.21 min Scan# 1692

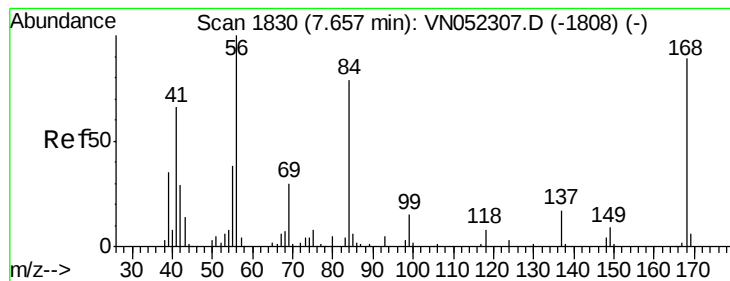
Delta R.T. 0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Tgt Ion:	42	Resp:	288
Ion	Ratio	Lower	Upper
42	100		
72	12.2	28.6	42.8#
71	21.2	26.7	40.1#





#31

Cyclohexane

Concen: 0.334 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :

MSVOA_N

ClientSampleId :

TB

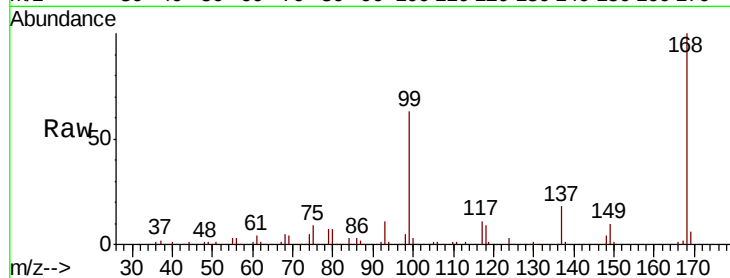
Tot Ion: 56 Resp: 9273

Ion Ratio Lower Upper

56 100

69 149.0 23.8 35.8#

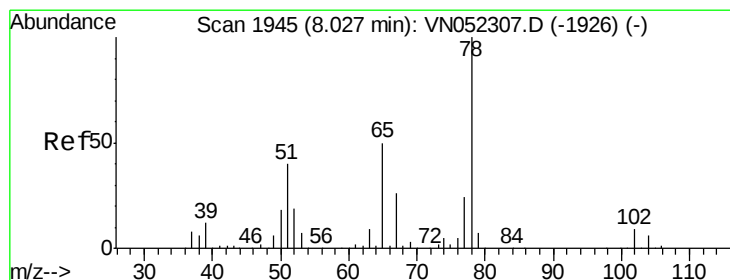
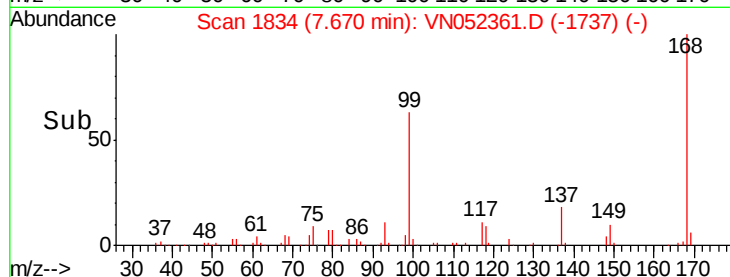
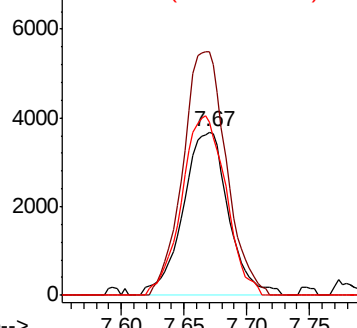
84 105.7 63.0 94.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN052307.D (-1808) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052361.D

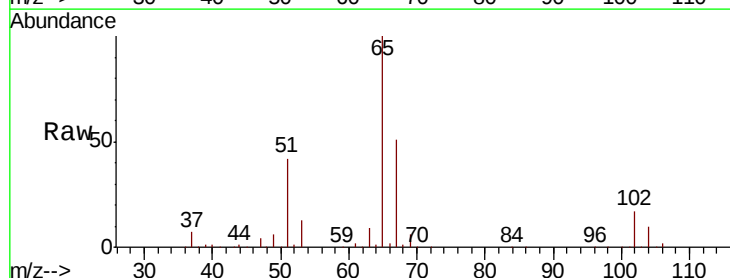
Acq: 16 Nov 2018 13:40

Tgt Ion: 65 Resp: 222012

Ion Ratio Lower Upper

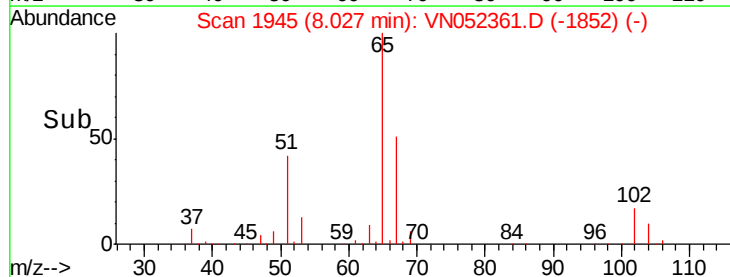
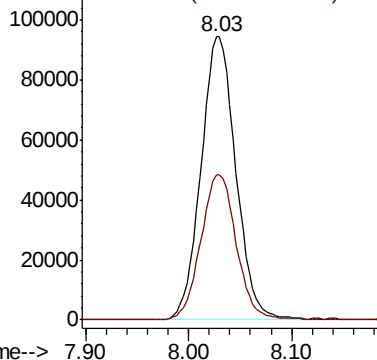
65 100

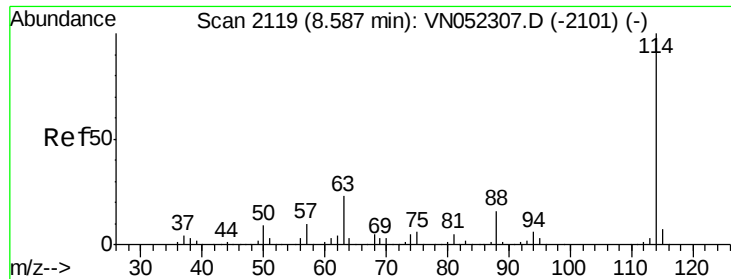
67 52.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052307.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052307.D (-1926) (-)

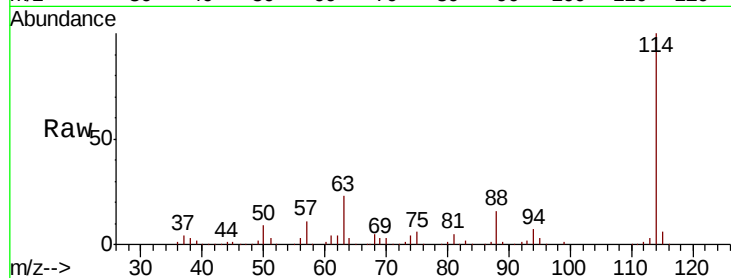




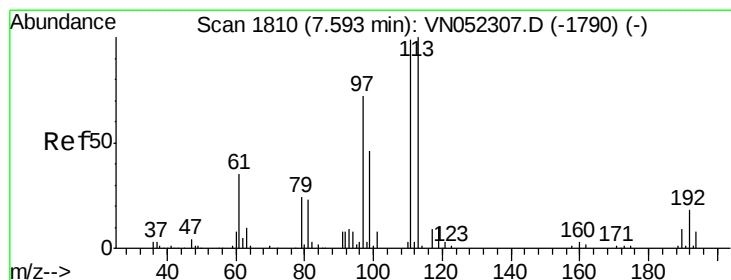
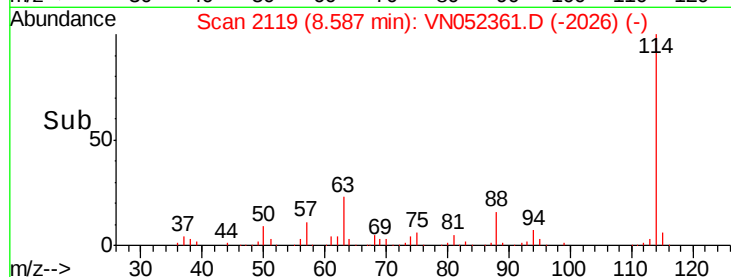
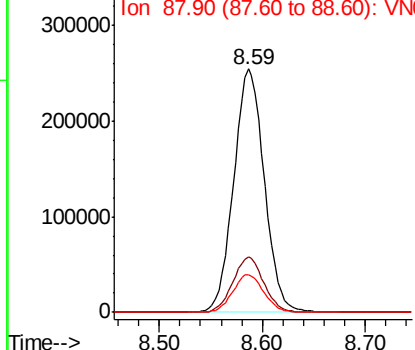
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052361.D
 Acq: 16 Nov 2018 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.4
88	15.6	0.0	31.2

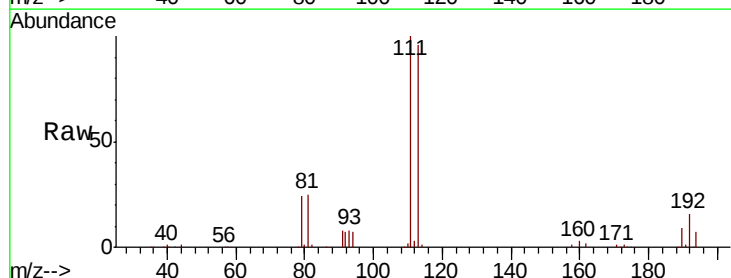


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

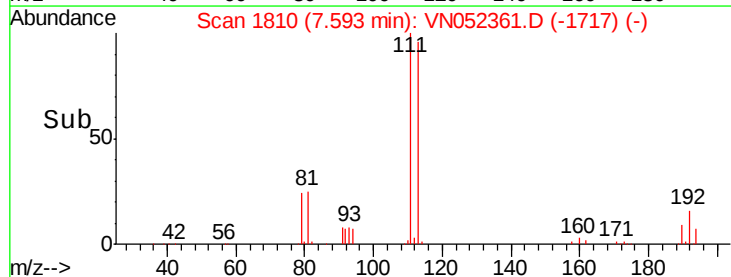
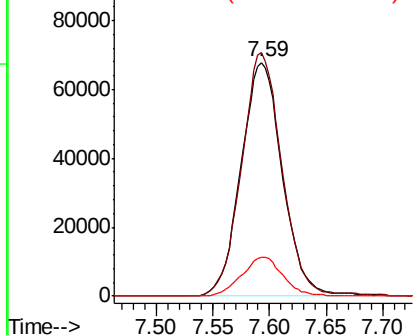


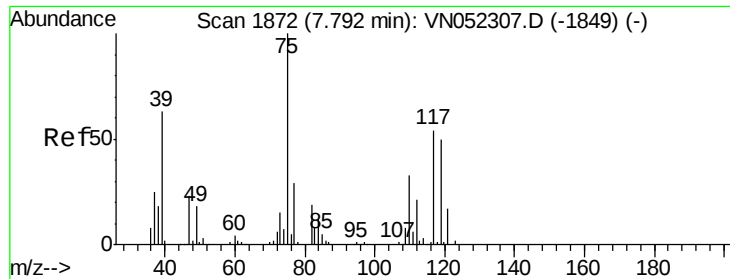
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052361.D
 Acq: 16 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.6
192	16.6	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

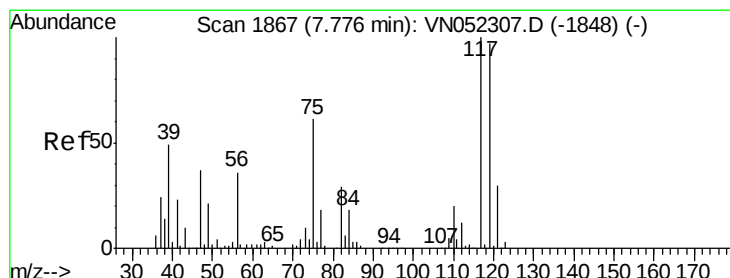
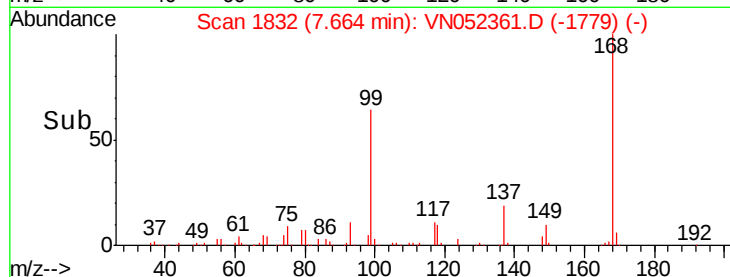
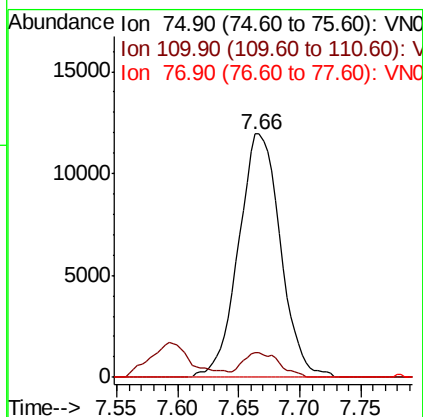
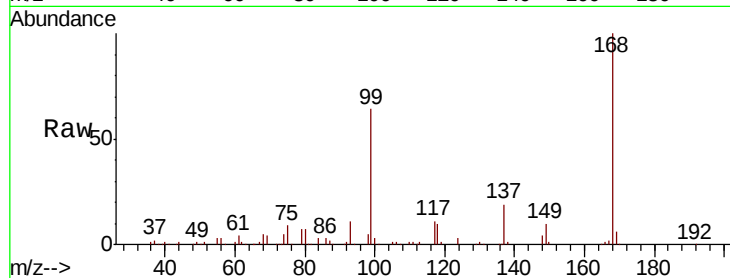




#36
 1,1-Dichloropropene
 Concen: 5.382 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052361.D
 Acq: 16 Nov 2018 13:40

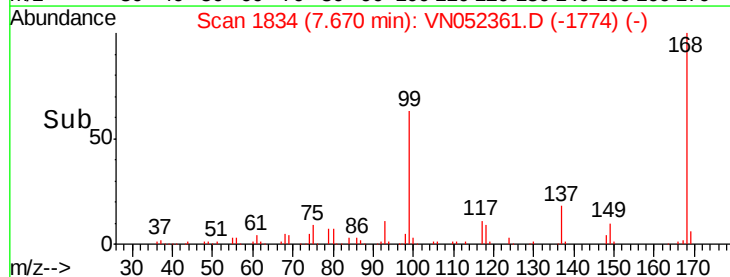
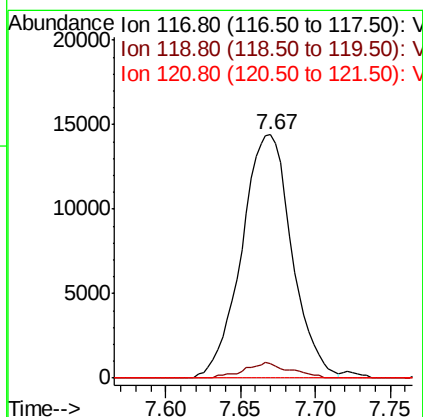
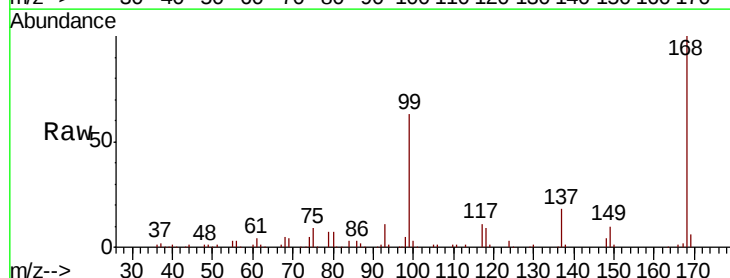
Instrument :
 MSVOA_N
 ClientSampleId :
 TB

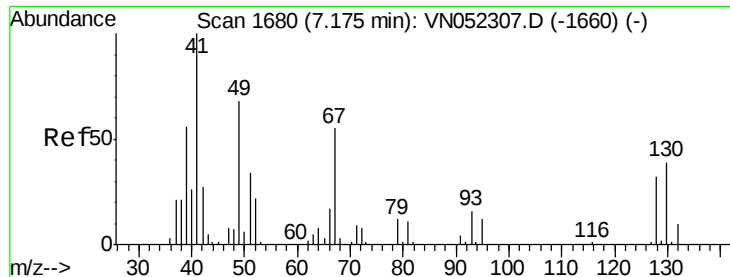
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.5	49.5#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.931 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052361.D
 Acq: 16 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.4	116.0#
121	0.0	24.0	36.0#

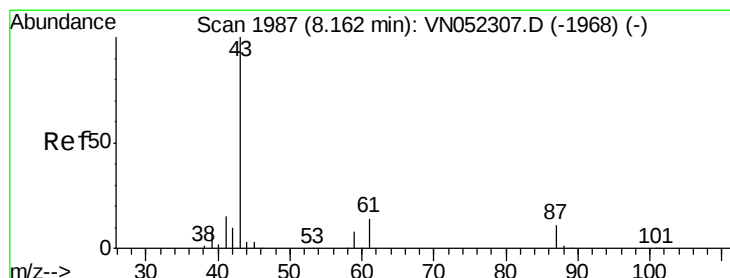
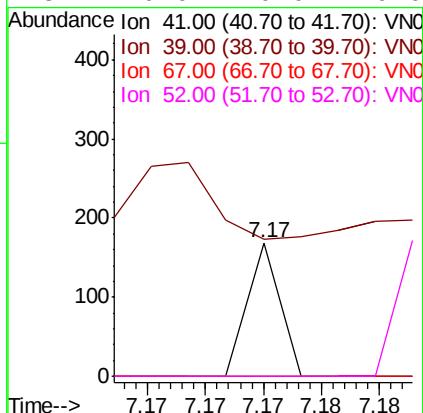
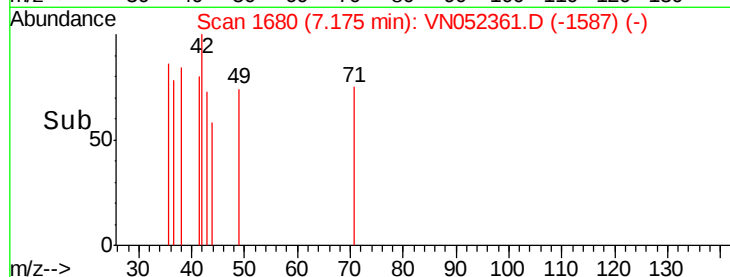
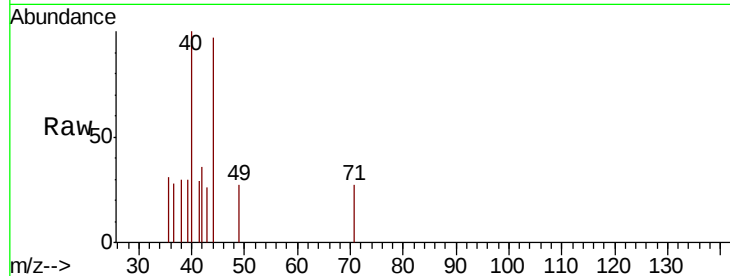




#41
Methacrylonitrile
Concen: 3.710 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

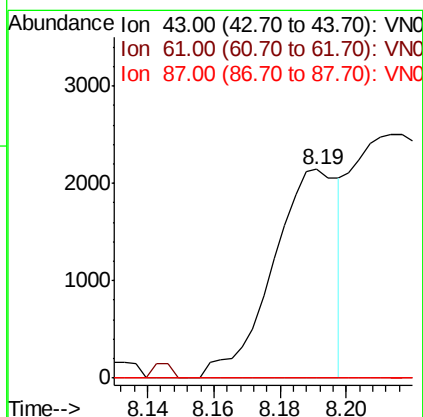
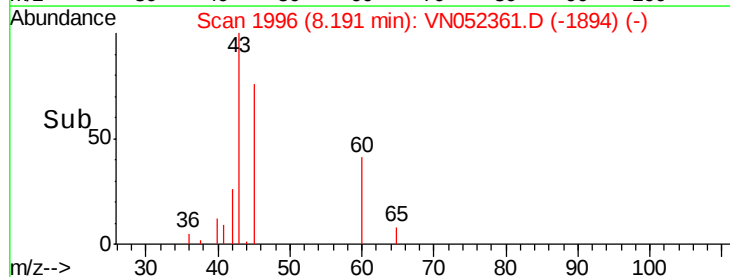
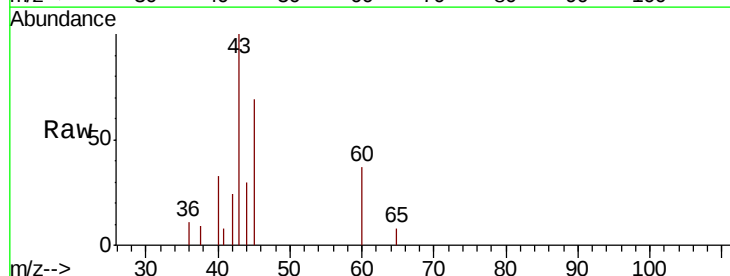
Instrument :
MSVOA_N
ClientSampled :
TB

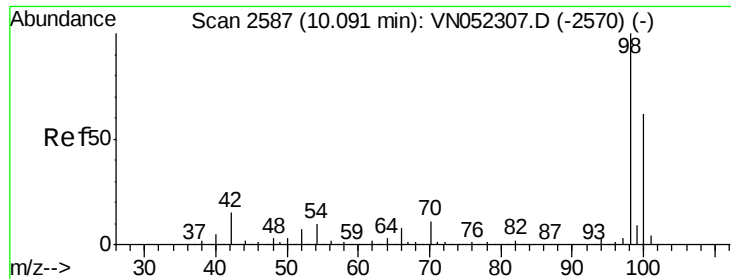
Tot Ion:	41	Resp:	33
Ion	Ratio	Lower	Upper
41	100		
39	736.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.398 ug/l
RT: 8.19 min Scan# 1996
Delta R.T. 0.03 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

Tgt Ion:	43	Resp:	2943
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
87	0.0	8.3	12.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :

MSVOA_N

ClientSampled :

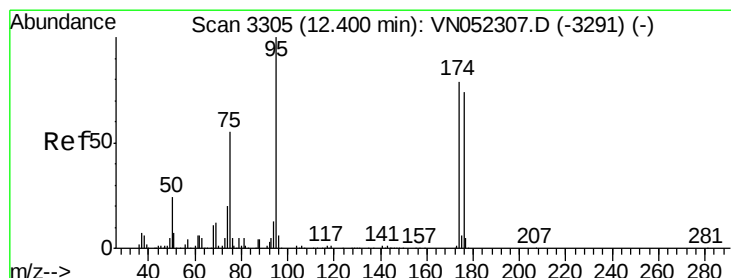
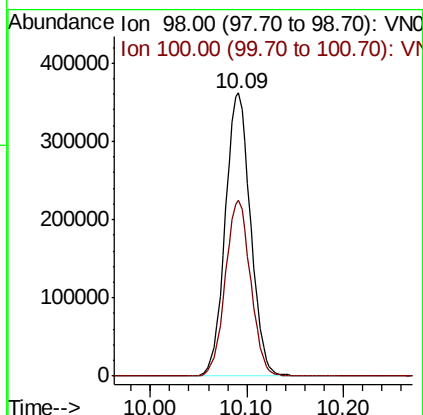
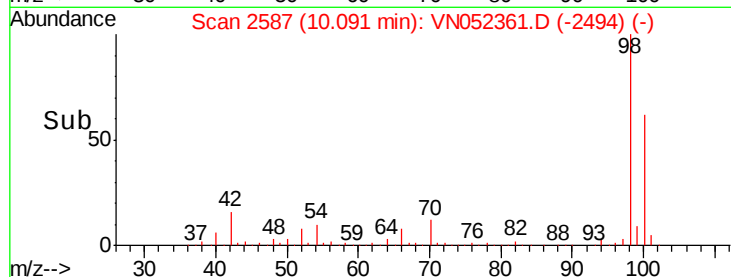
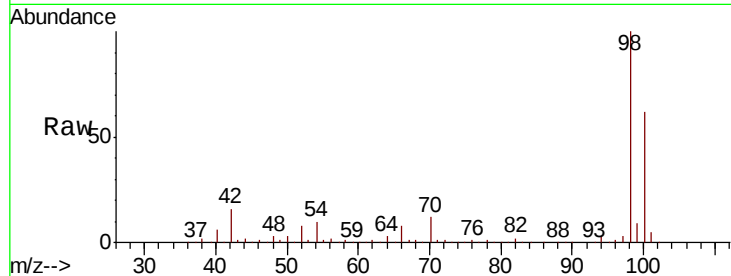
TB

Tot Ion: 98 Resp: 655872

Ion Ratio Lower Upper

98 100

100 62.1 49.5 74.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

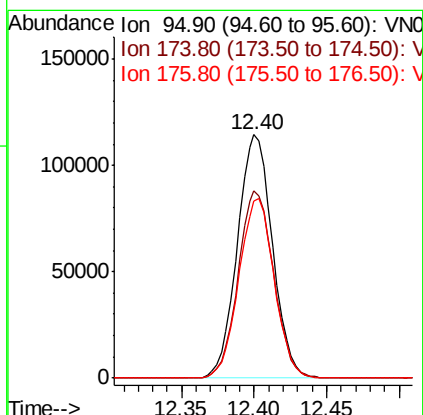
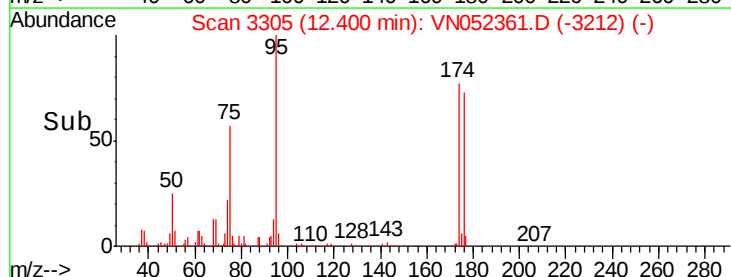
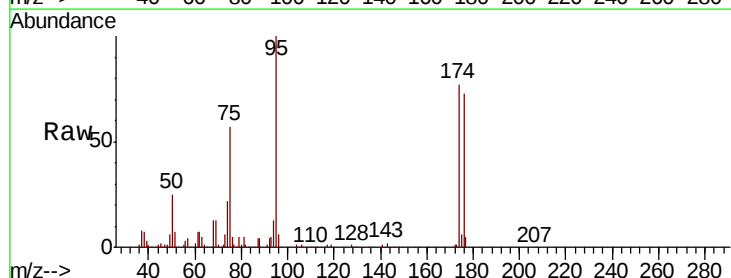
Tgt Ion: 95 Resp: 191972

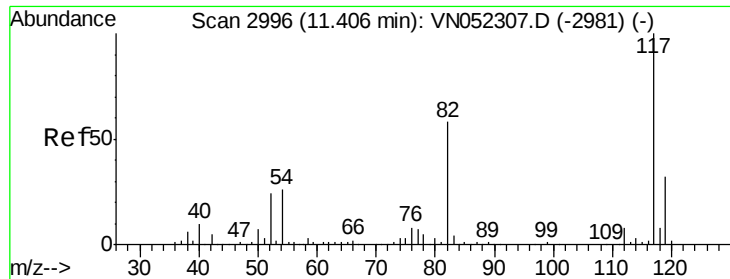
Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.0

176 74.6 0.0 148.4

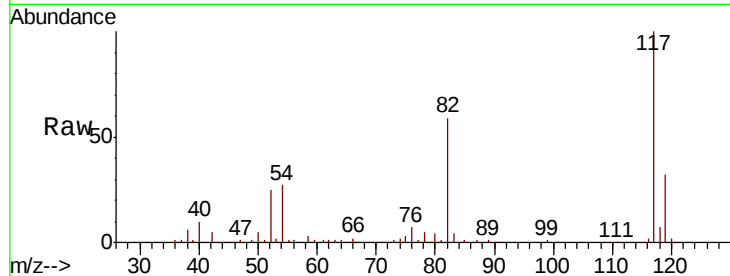




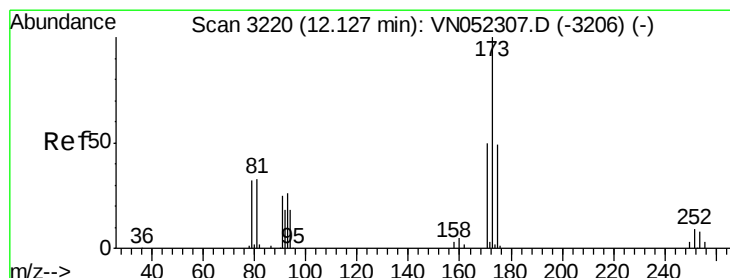
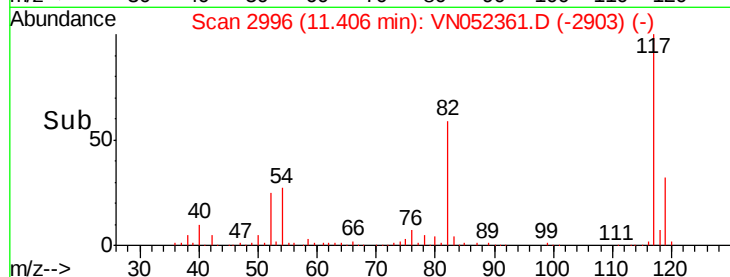
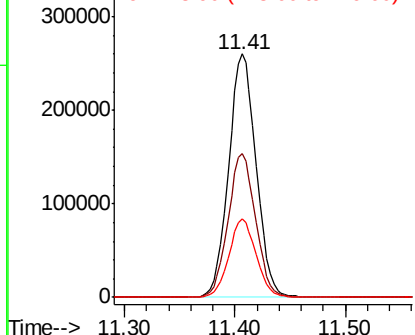
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

Instrument :
MSVOA_N
ClientSampleId :
TB

Tot Ion:117 Resp: 448601
Ion Ratio Lower Upper
117 100
82 59.1 46.5 69.7
119 32.1 25.7 38.5

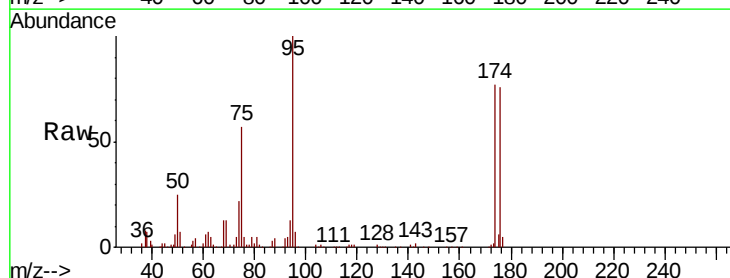


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

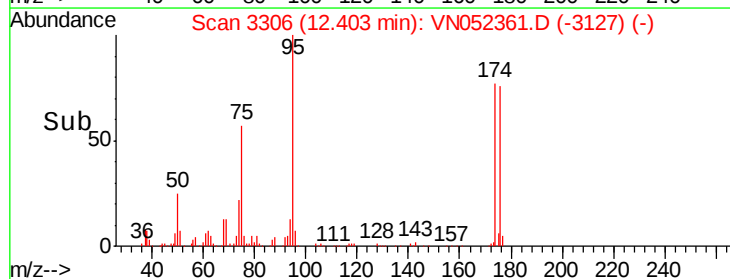
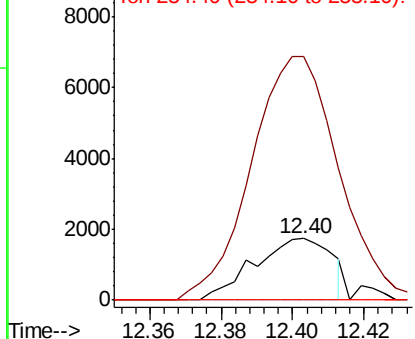


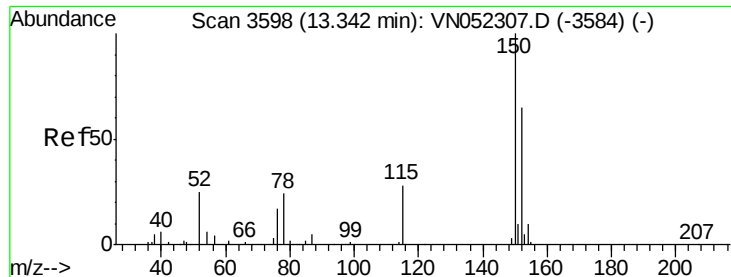
#71
Bromoform
Concen: 1.373 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

Tgt Ion:173 Resp: 2622
Ion Ratio Lower Upper
173 100
175 393.4 25.0 75.0#
254 0.0 0.0 0.0



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



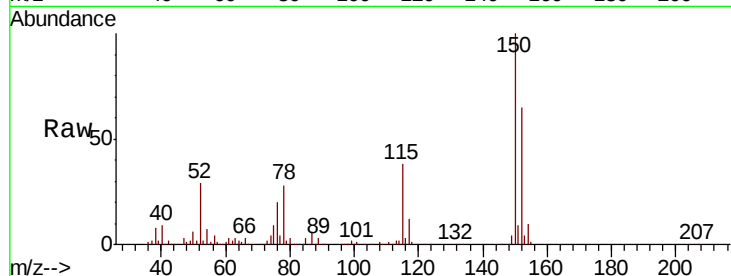


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

Instrument :
MSVOA_N
ClientSampled :
TB

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	156.0	0.0	348.2

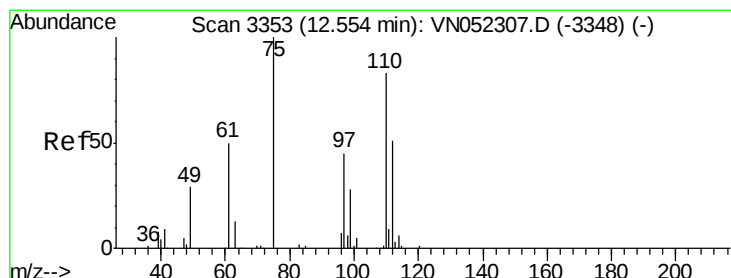
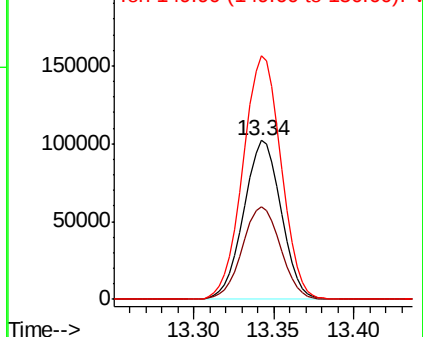
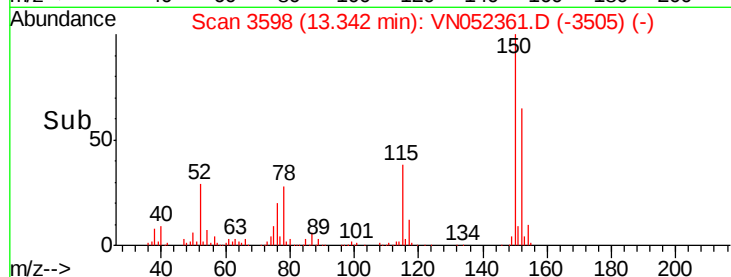


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

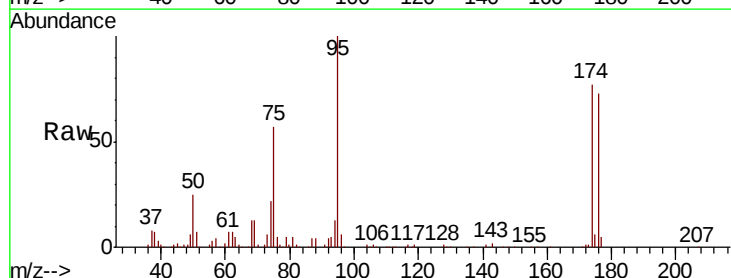
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 40.370 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052361.D
Acq: 16 Nov 2018 13:40

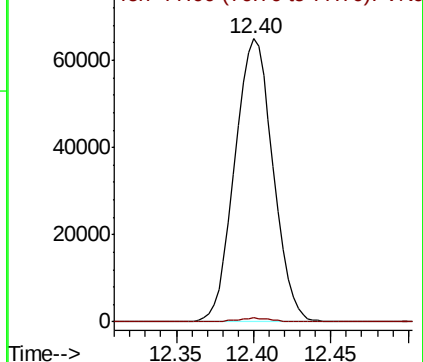
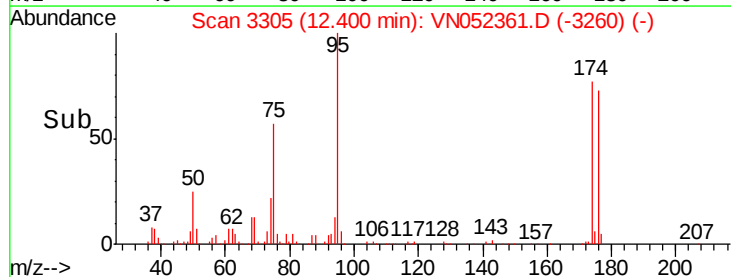
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

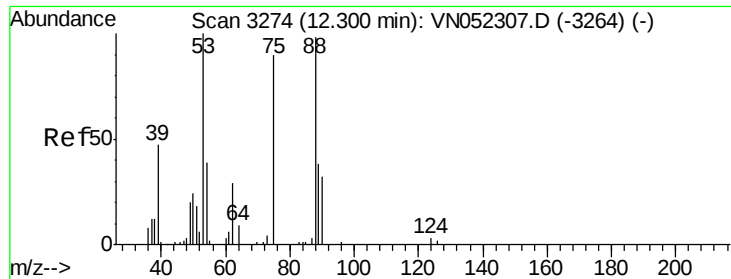


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.934 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :

MSVOA_N

ClientSampleId :

TB

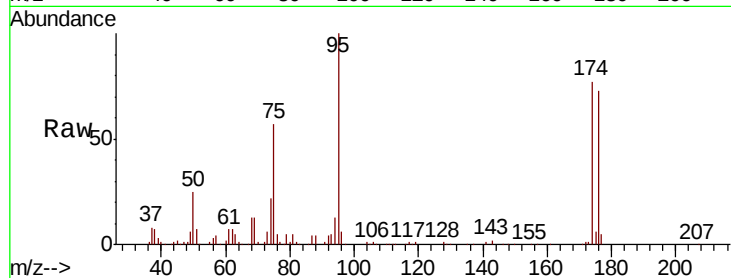
Tot Ion: 75 Resp: 111479

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

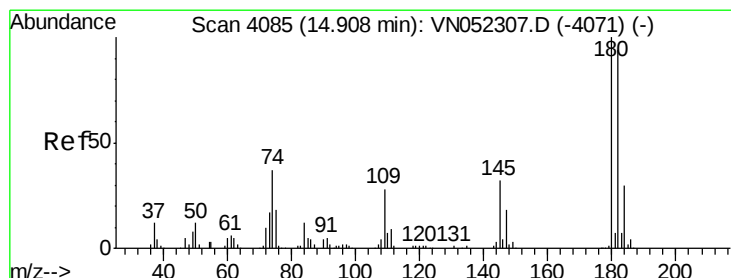
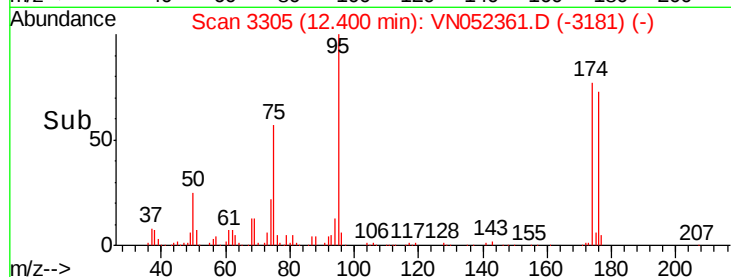
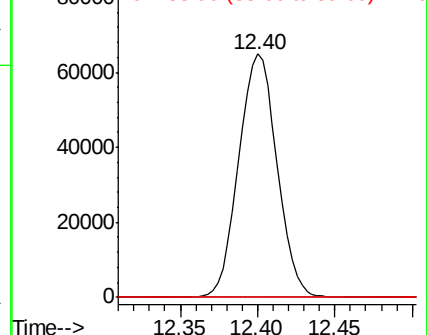
89 0.0 35.4 53.0#



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: 2.657 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

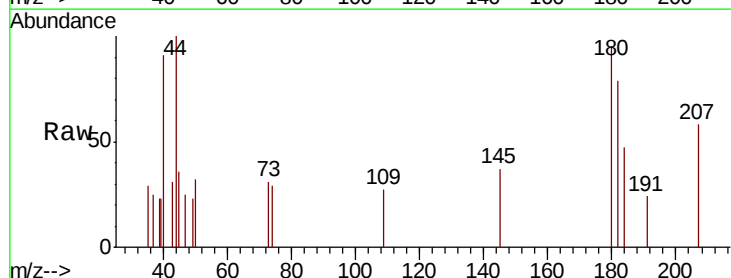
Tgt Ion:180 Resp: 1022

Ion Ratio Lower Upper

180 100

182 86.0 47.6 142.9

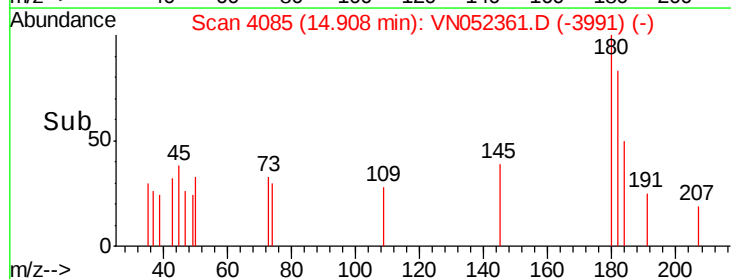
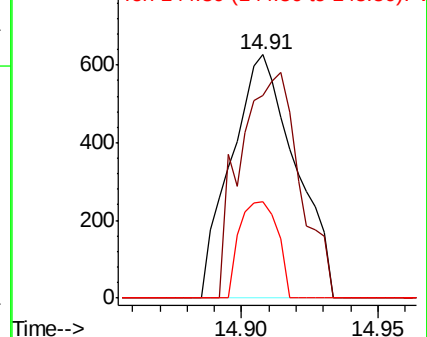
145 23.6 15.5 46.5

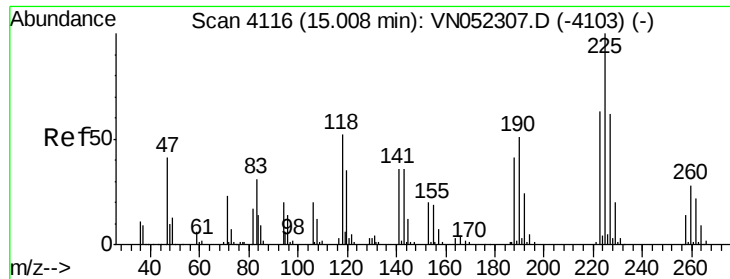


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.249 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

Instrument :

MSVOA_N

ClientSampled :

TB

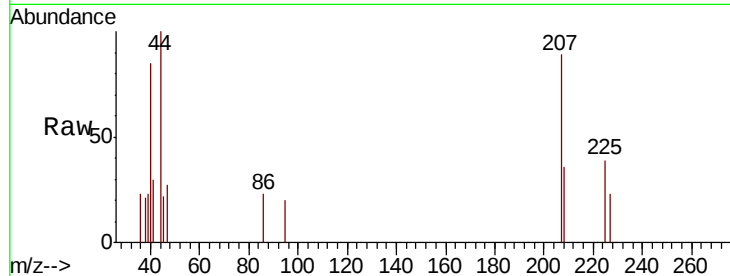
Tot Ion:225 Resp: 298

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

227 20.8 31.6 95.0#

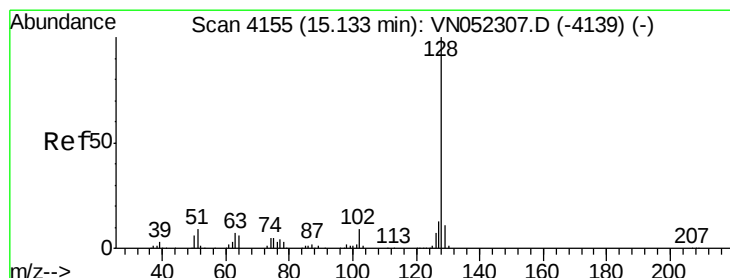
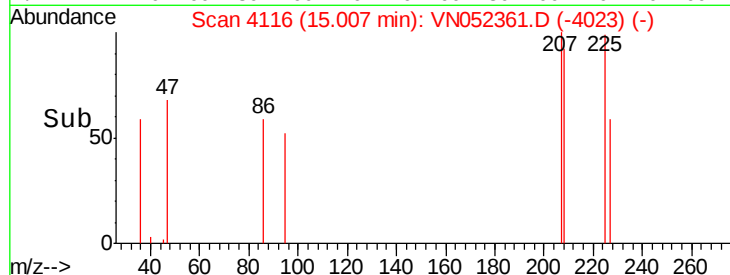
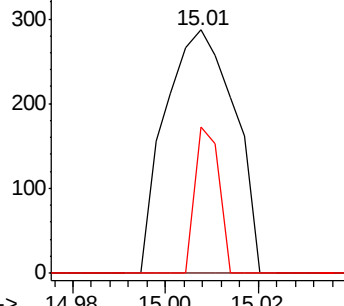


Abundance

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: 3.047 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052361.D

Acq: 16 Nov 2018 13:40

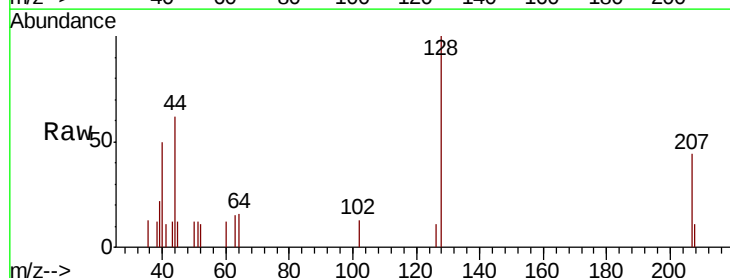
Tgt Ion:128 Resp: 2691

Ion Ratio Lower Upper

128 100

127 7.4 10.4 15.6#

129 3.9 8.6 13.0#

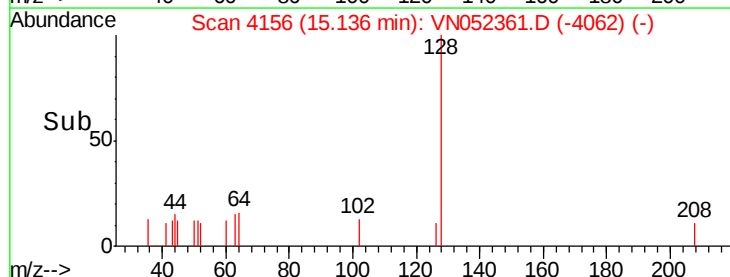
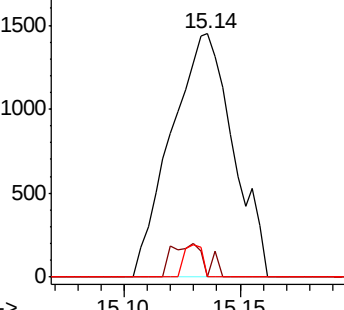


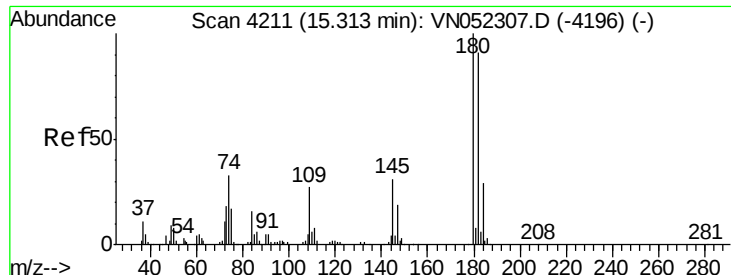
Abundance

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: 0.567 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN052361.D
 Acq: 16 Nov 2018 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	74.2	46.5	139.3
145	29.9	16.4	49.2

