

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052451.D
 Acq On : 21 Nov 2018 20:57
 Operator : MD\SY
 Sample : J5996-16 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 00:01:38 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	313753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	531410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240113	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	7.59	113	173458	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	668345	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	198558	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

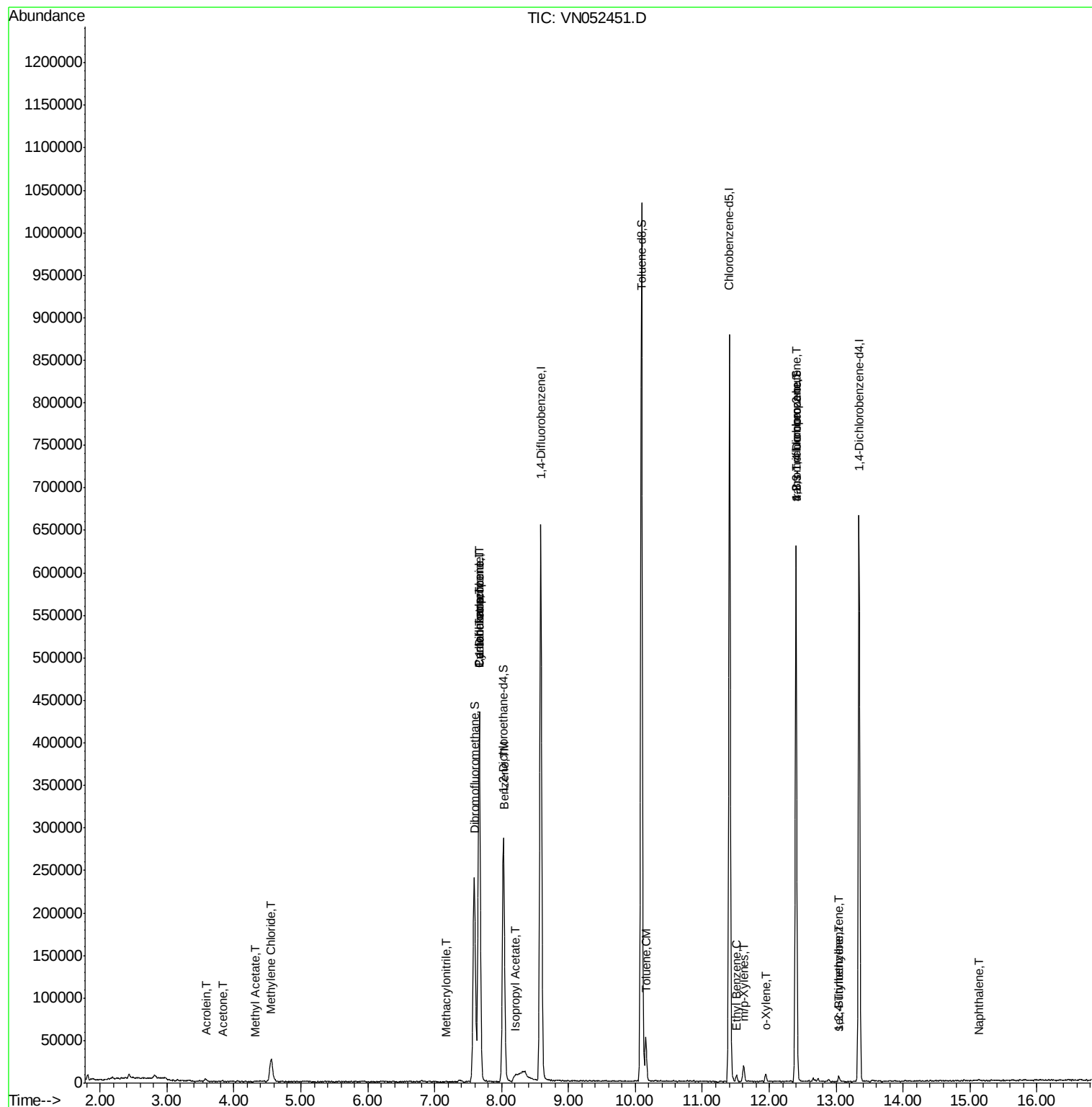
						Qvalue
13) Acrolein	3.59	56	61	21.928	ug/l #	1
16) Acetone	3.82	43	681	0.558	ug/l	96
18) Methyl Acetate	4.32	43	212	0.493	ug/l #	57
20) Methylene Chloride	4.56	84	16091	3.686	ug/l	94
31) Cyclohexane	7.67	56	9693	0.386	ug/l #	39
36) 1,1-Dichloropropene	7.67	75	30118	5.655	ug/l #	52
38) Carbon Tetrachloride	7.67	117	34483	7.047	ug/l #	16
40) Benzene	8.04	78	4248	0.279	ug/l	91
41) Methacrylonitrile	7.17	41	151	3.761	ug/l #	100
43) Isopropyl Acetate	8.19	43	3442	0.461	ug/l #	67
52) Toluene	10.16	92	19598	2.153	ug/l	94
67) Ethyl Benzene	11.51	91	4769	0.292	ug/l	96
68) m/p-Xylenes	11.62	106	5325	0.892	ug/l	97
69) o-Xylene	11.95	106	2134	0.373	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	116576	45.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	116576	146.709	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	3516	0.361	ug/l	100
85) sec-Butylbenzene	13.04	105	3516	0.301	ug/l #	58
95) Naphthalene	15.13	128	1212	2.818	ug/l #	69

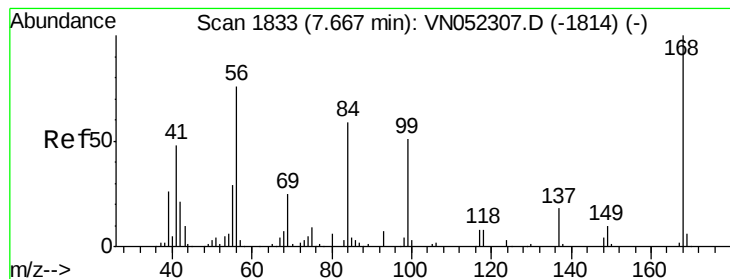
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

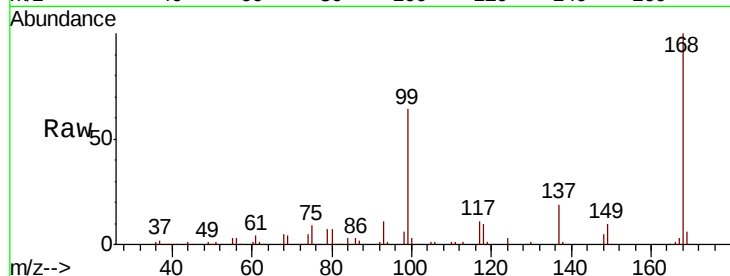
ClientSampleId :

Tot Ion:168 Resp: 313753

Ion Ratio Lower Upper

168 100

99 64.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

150000

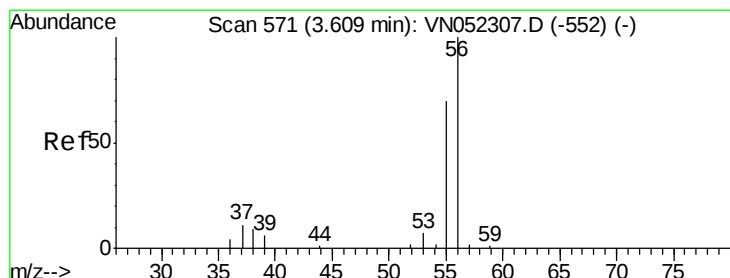
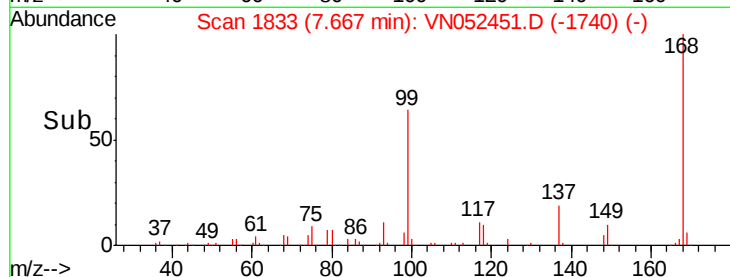
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 21.928 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.02 min

Lab File: VN052451.D

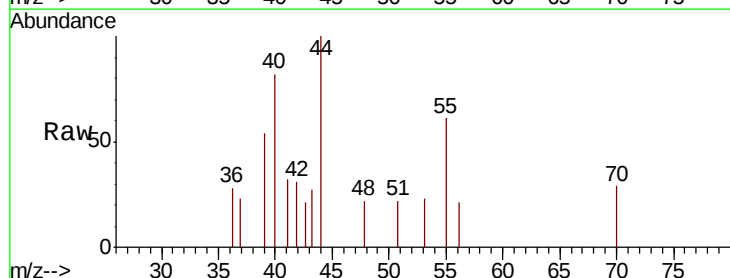
Acq: 21 Nov 2018 20:57

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 3172.1 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052307.D (-552) (-)

800

600

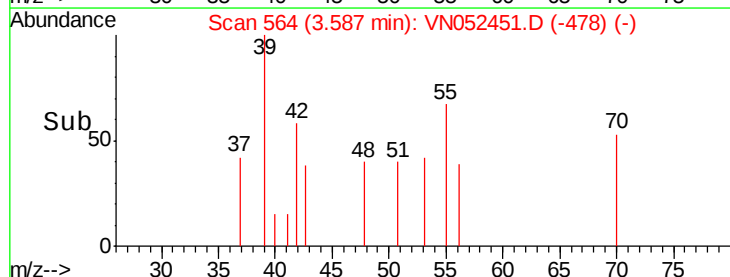
400

200

0

3.58 3.59 3.60

Time-->





#16

Acetone

Concen: 0.558 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

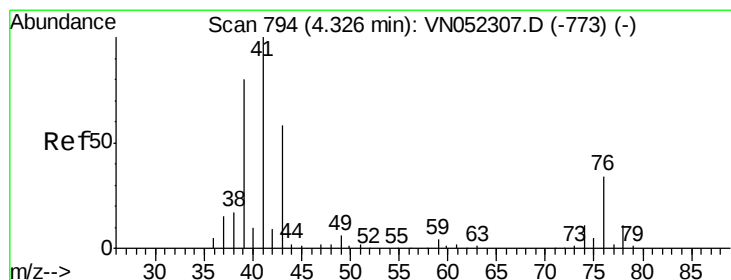
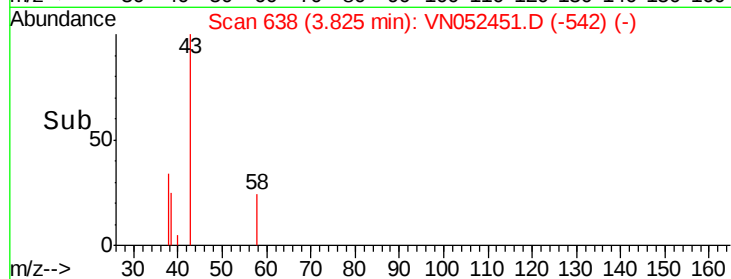
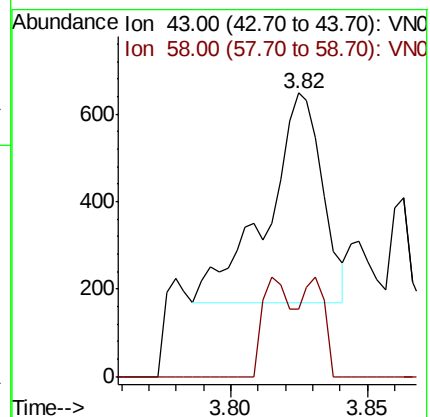
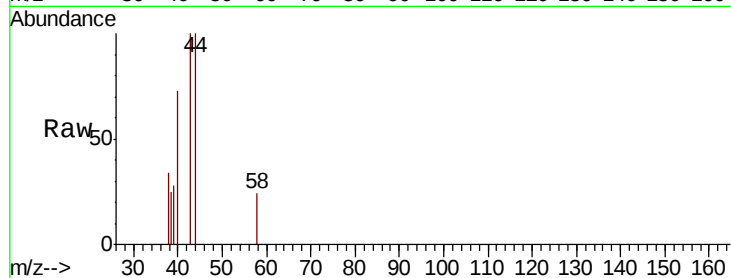
ClientSampled :

Tot Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 32.2 24.2 36.4



#18

Methyl Acetate

Concen: 0.493 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052451.D

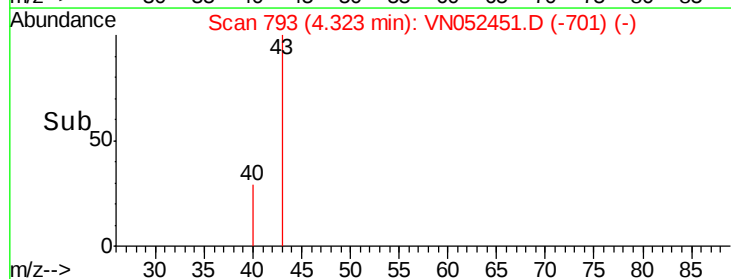
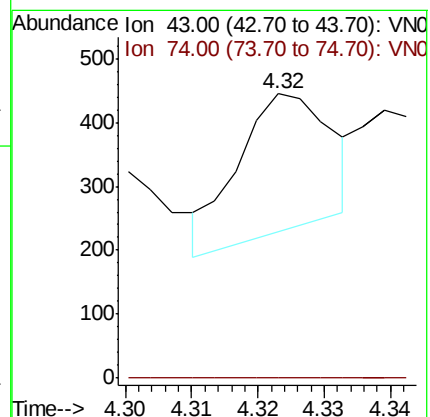
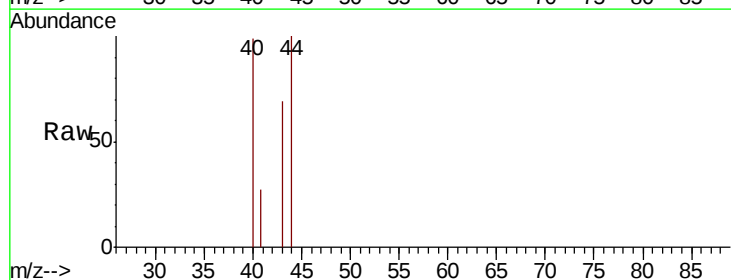
Acq: 21 Nov 2018 20:57

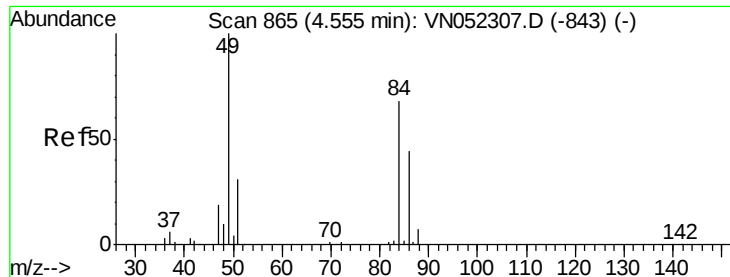
Tgt Ion: 43 Resp: 212

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#

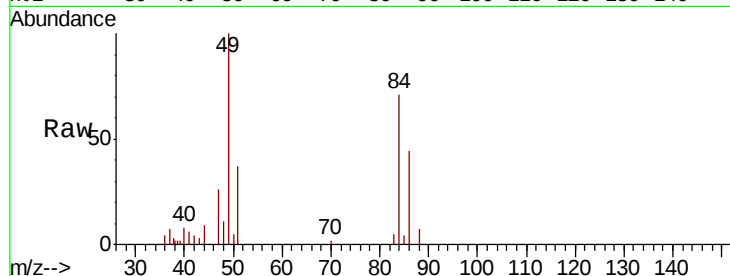




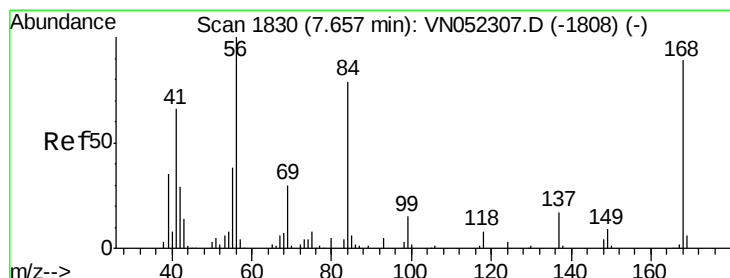
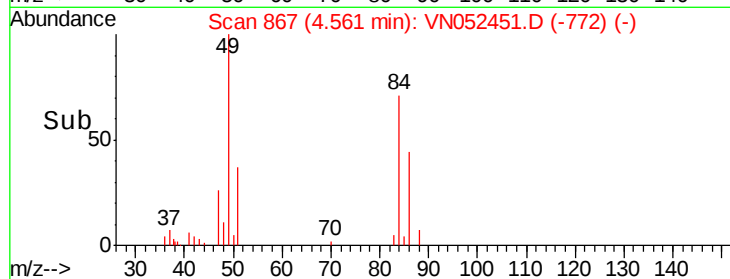
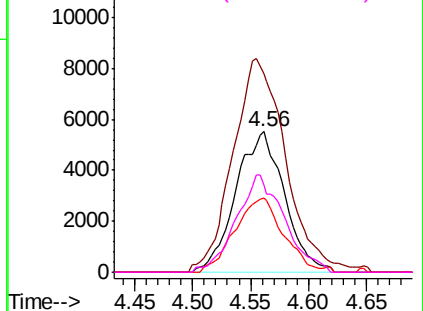
#20
Methvlene Chloride
Concen: 3.686 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	16091
Ion	Ratio	Lower	Upper
84	100		
49	141.2	118.2	177.2
51	52.5	36.1	54.1
86	62.4	51.6	77.4

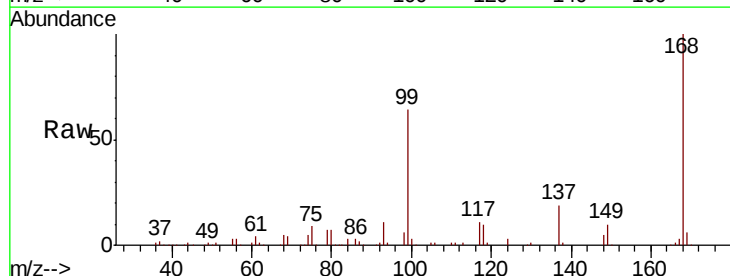


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

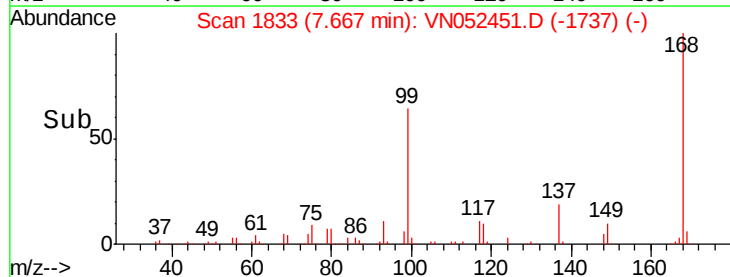
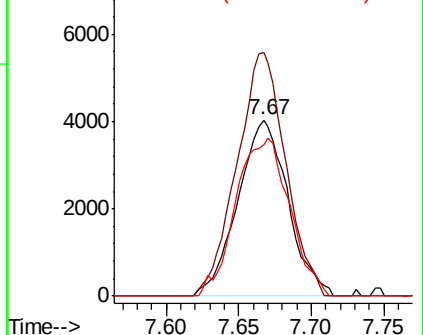


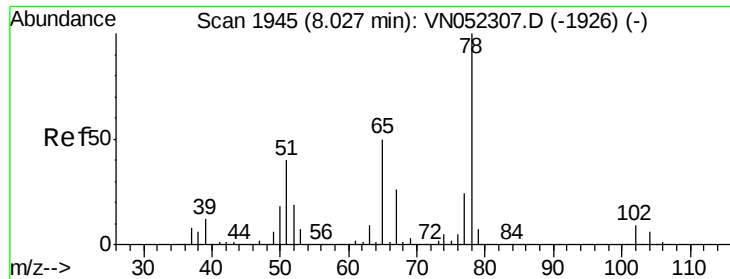
#31
Cyclohexane
Concen: 0.386 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Tgt Ion:	56	Resp:	9693
Ion	Ratio	Lower	Upper
56	100		
69	138.3	23.8	35.8#
84	86.1	63.0	94.6



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

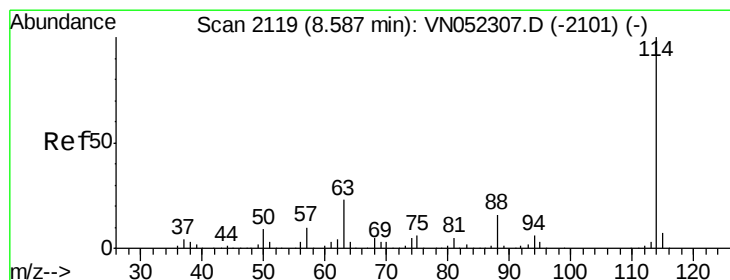
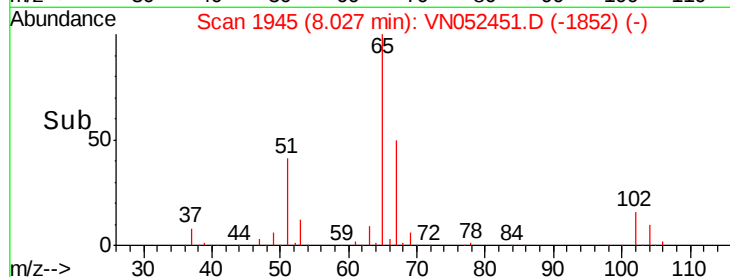
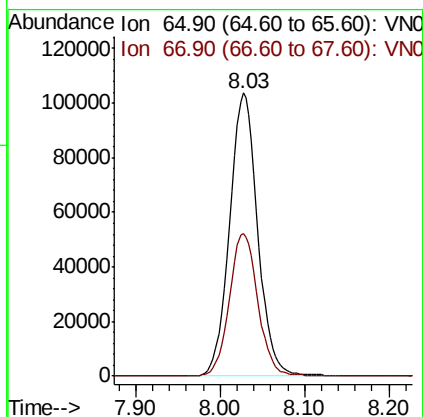
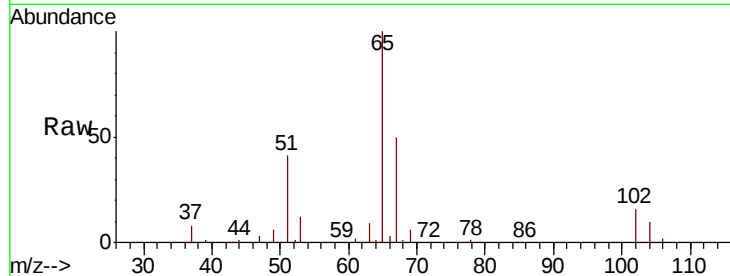




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

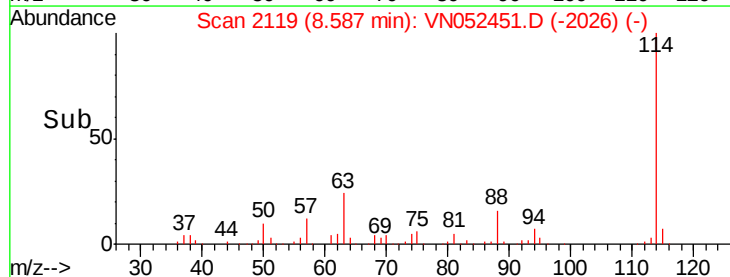
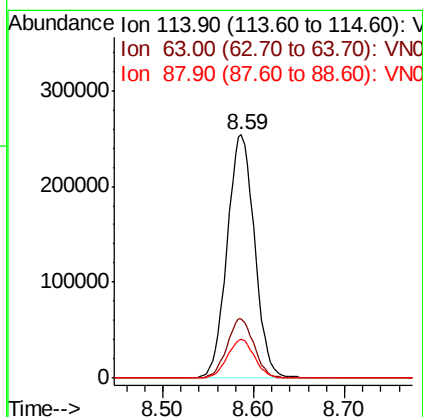
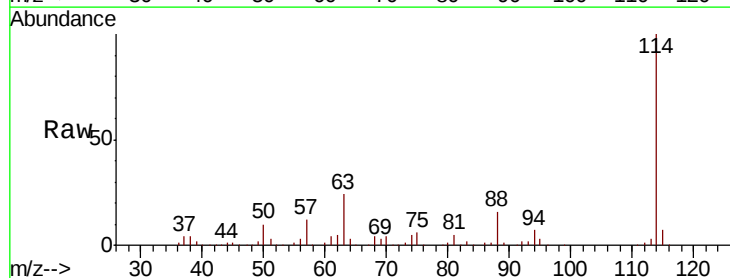
Instrument :
 MSVOA_N
 ClientSampled :

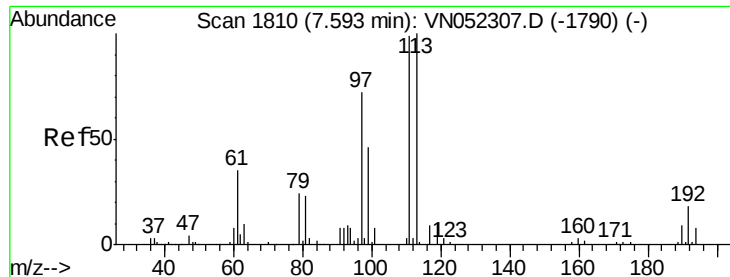
Tot Ion: 65 Resp: 240113
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

Tgt Ion: 114 Resp: 531410
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 45.4
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

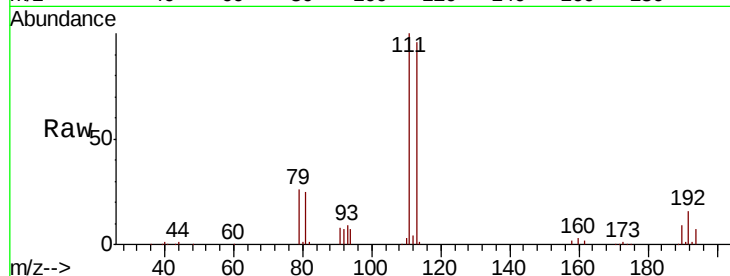
Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 173458

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.6
192	17.0	13.8	20.6

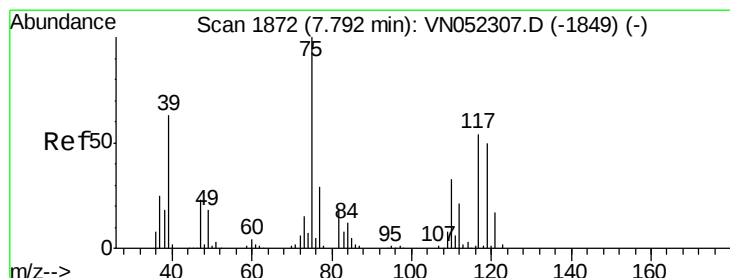
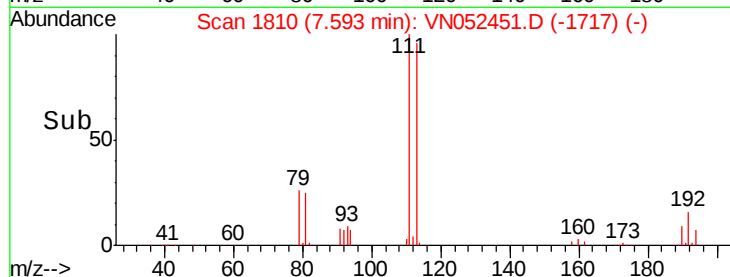
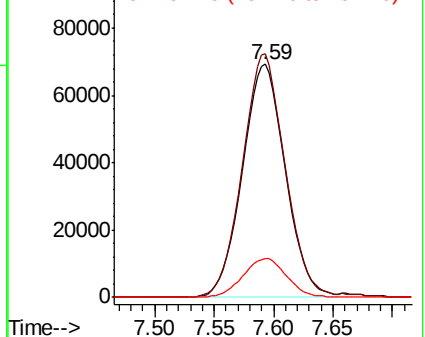


Abundance

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: 5.655 ug/l

RT: 7.67 min Scan# 1833

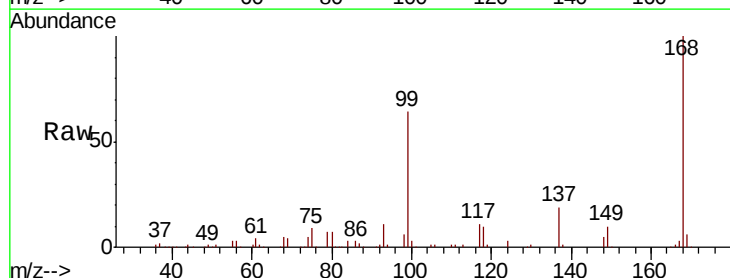
Delta R.T. -0.13 min

Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Tgt Ion: 75 Resp: 30118

Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.5	49.5#
77	0.0	24.2	36.2#

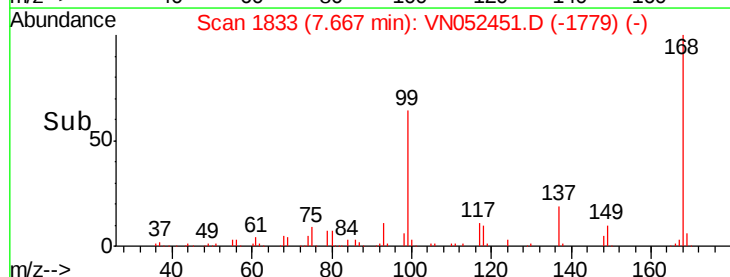
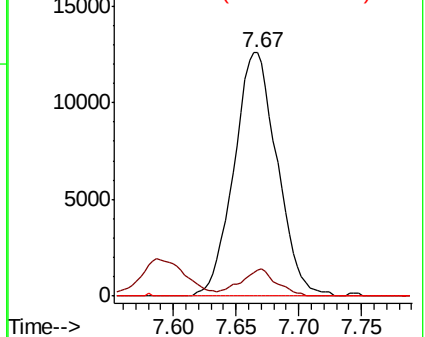


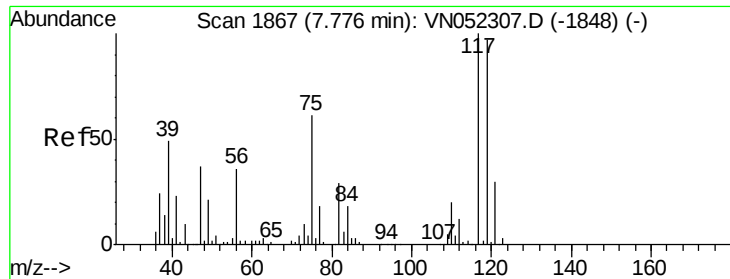
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.047 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

ClientSampleId :

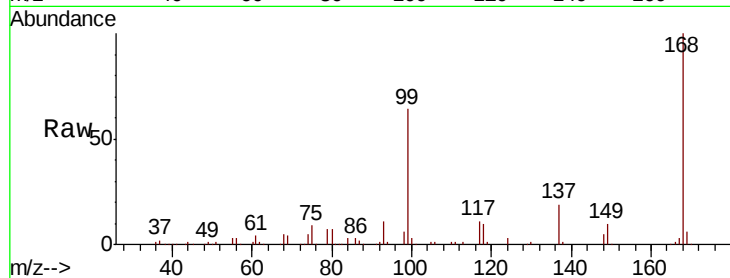
Tot Ion:117 Resp: 34483

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

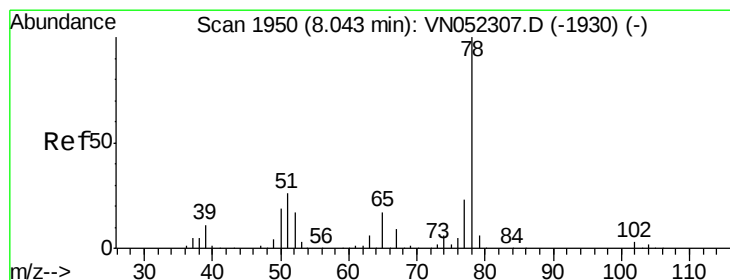
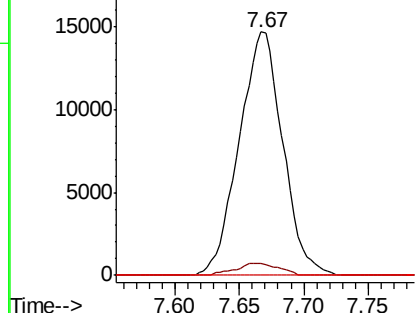
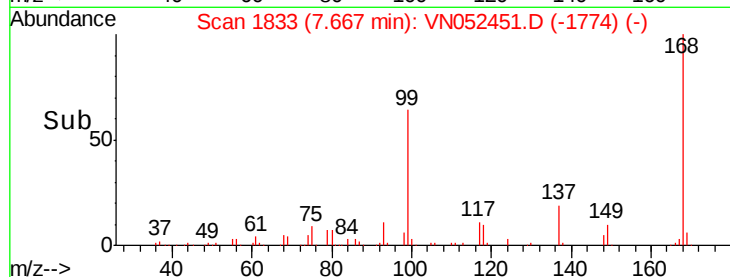
121 0.0 24.0 36.0#



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



#40

Benzene

Concen: 0.279 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052451.D

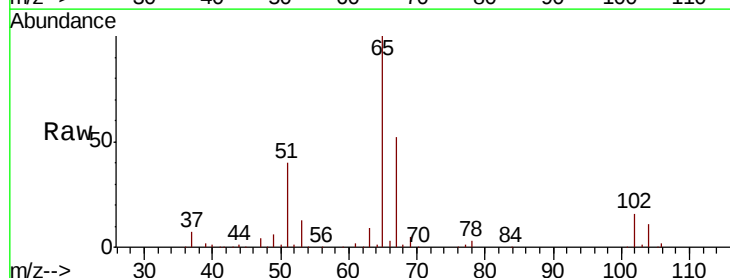
Acq: 21 Nov 2018 20:57

Tgt Ion: 78 Resp: 4248

Ion Ratio Lower Upper

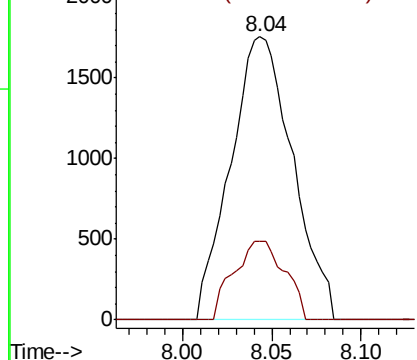
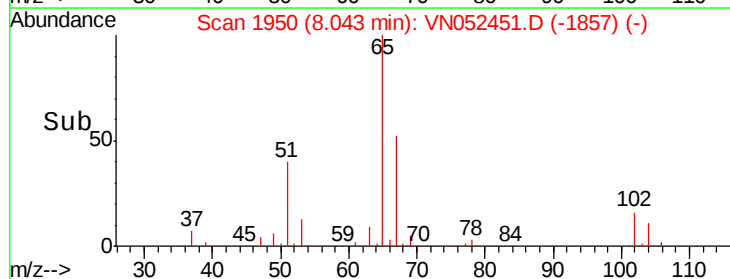
78 100

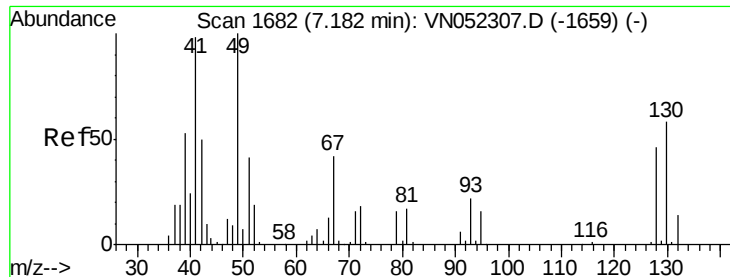
77 27.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

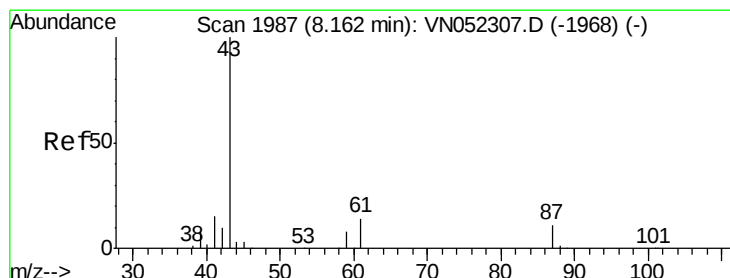
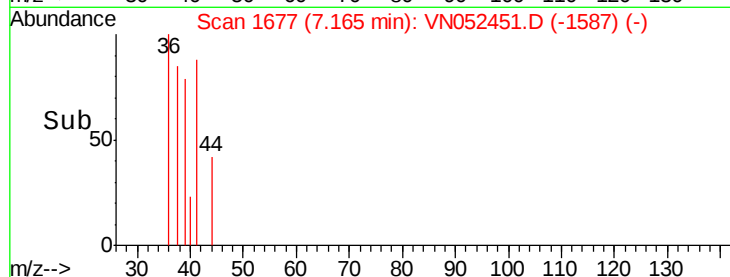
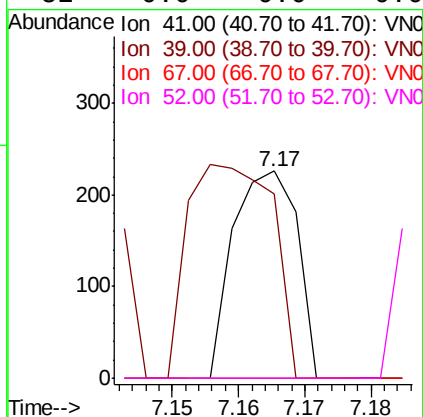
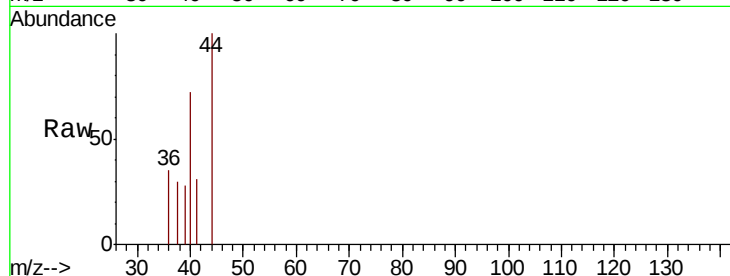




#41
Methacrylonitrile
Concen: 3.761 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

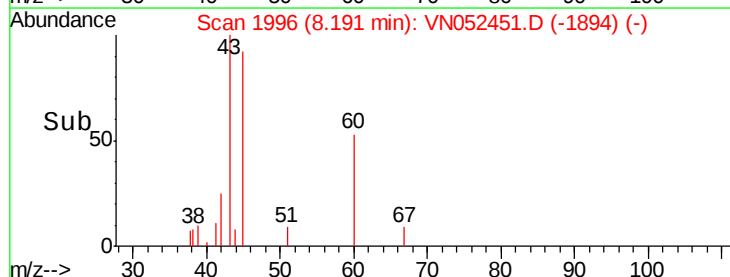
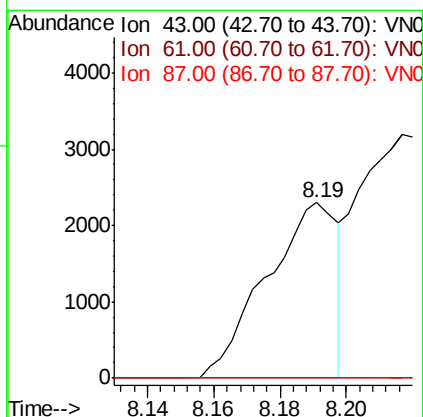
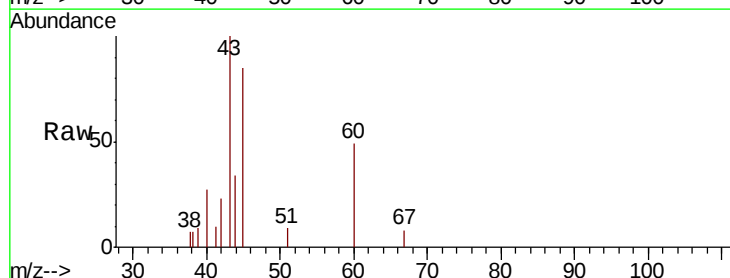
Instrument :
MSVOA_N
ClientSampleId :

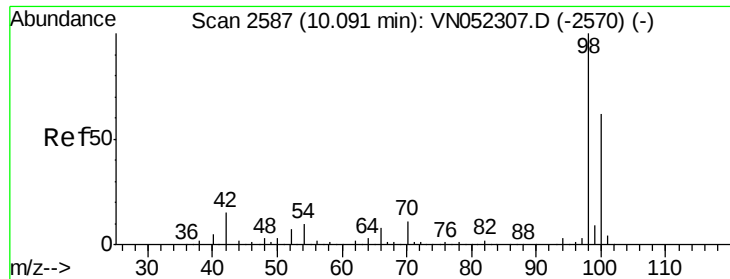
Tot Ion:	41	Resp:	151
Ion	Ratio	Lower	Upper
41	100		
39	137.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.461 ug/l
RT: 8.19 min Scan# 1996
Delta R.T. 0.03 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Tgt Ion:	43	Resp:	3442
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: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

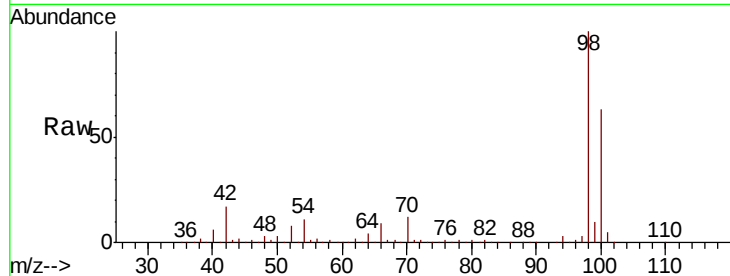
ClientSampleId :

Tot Ion: 98 Resp: 668345

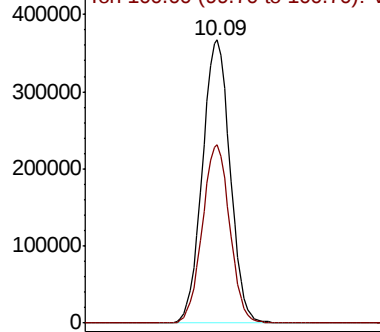
Ion Ratio Lower Upper

98 100

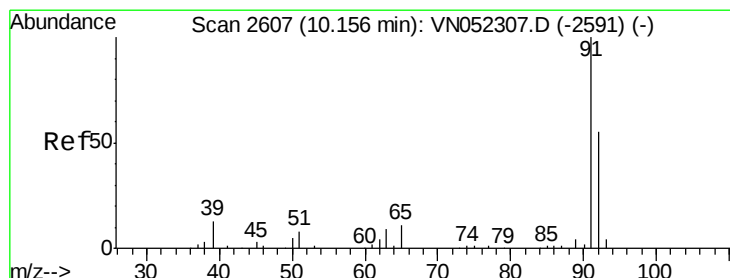
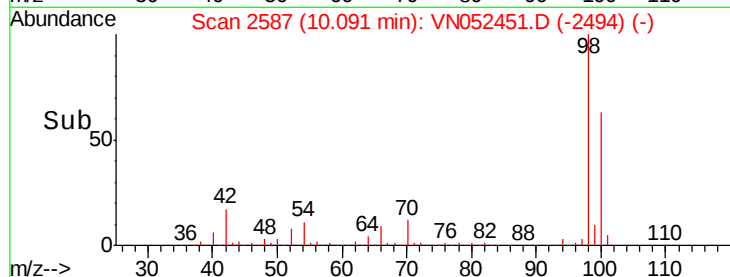
100 62.1 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)



Time-->



#52

Toluene

Concen: 2.153 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052451.D

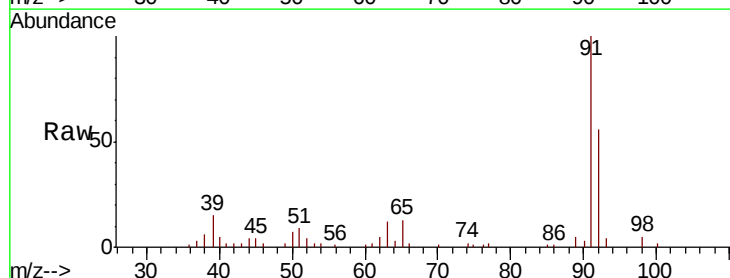
Acq: 21 Nov 2018 20:57

Tgt Ion: 92 Resp: 19598

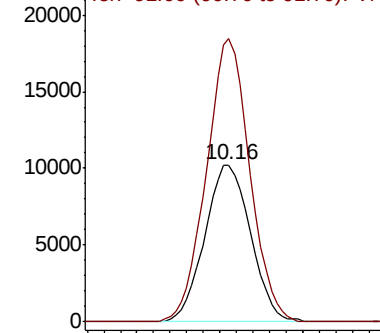
Ion Ratio Lower Upper

92 100

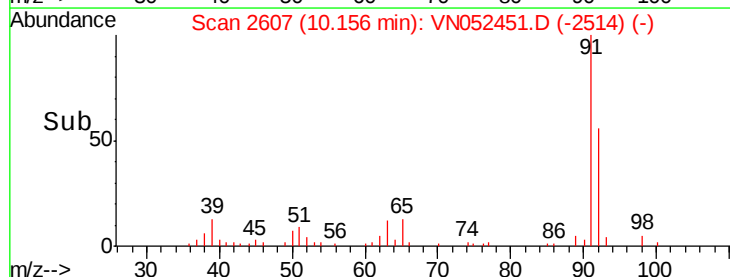
91 170.3 143.6 215.4

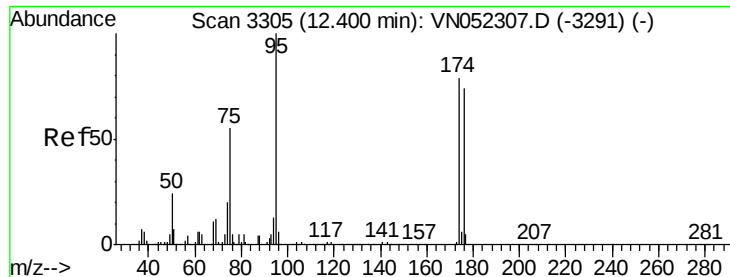


Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

ClientSampleId :

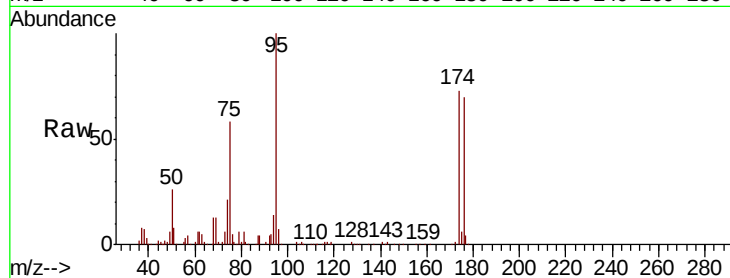
Tot Ion: 95 Resp: 198558

Ion Ratio Lower Upper

95 100

174 73.2 0.0 156.0

176 70.8 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052307.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052307.D (-3291) (-)

12.40

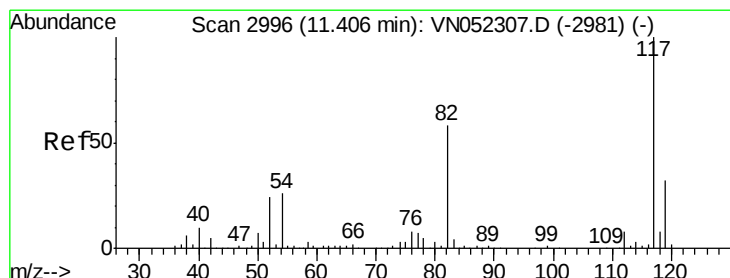
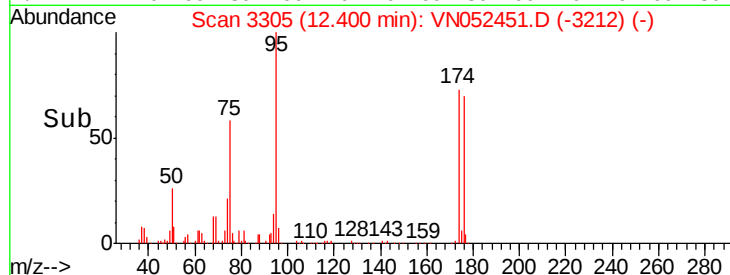
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

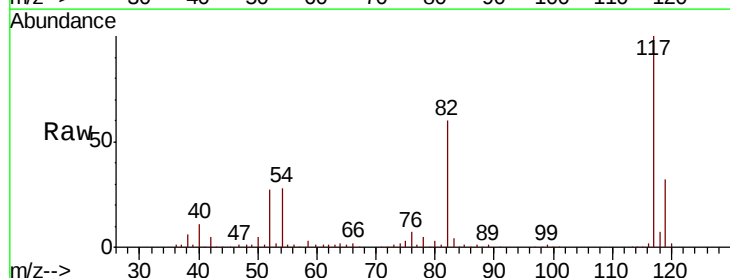
Tgt Ion: 117 Resp: 445540

Ion Ratio Lower Upper

117 100

82 60.3 46.5 69.7

119 31.8 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052307.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052307.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052307.D (-2981) (-)

11.41

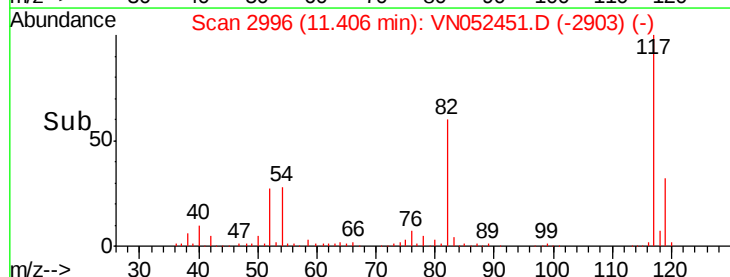
300000

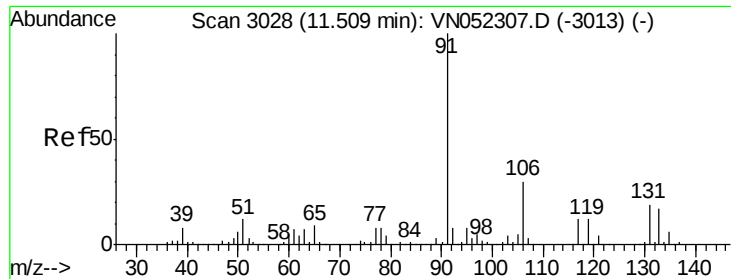
200000

100000

0

Time--> 11.30 11.40 11.50

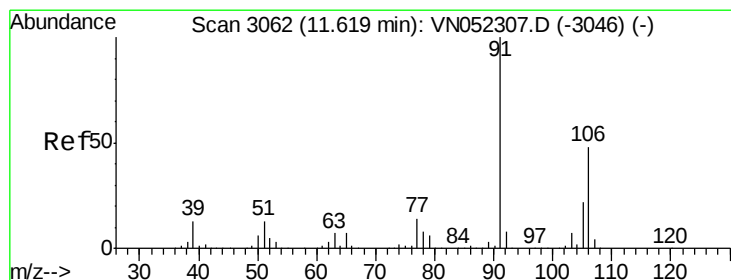
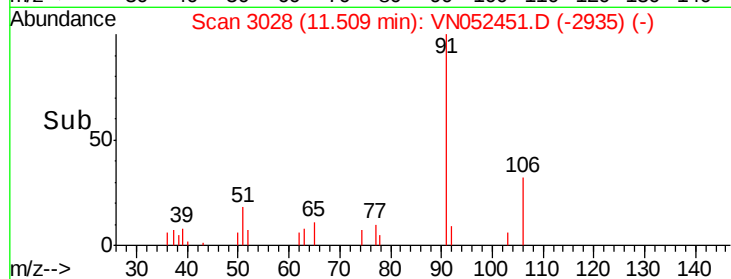
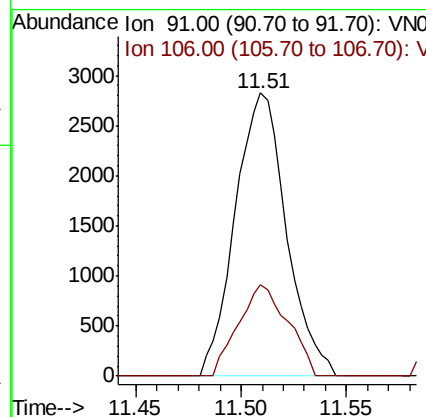
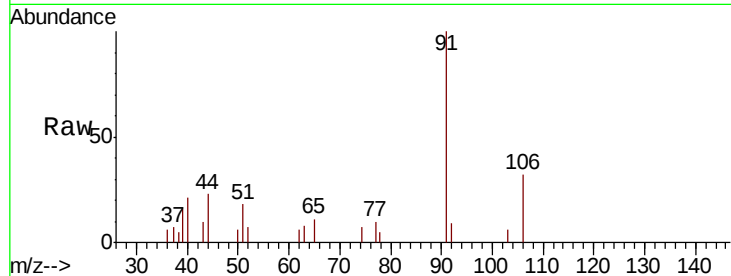




#67
Ethyl Benzene
Concen: 0.292 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

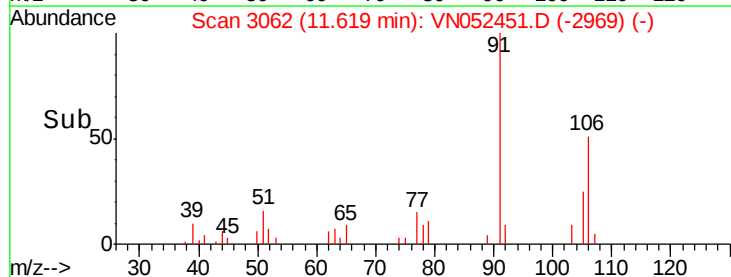
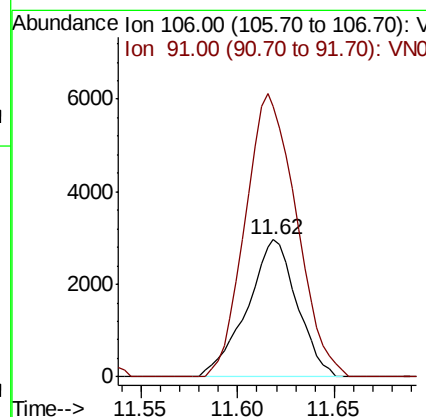
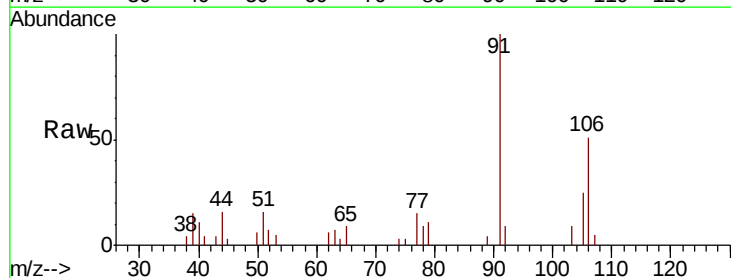
Instrument :
MSVOA_N
ClientSampled :

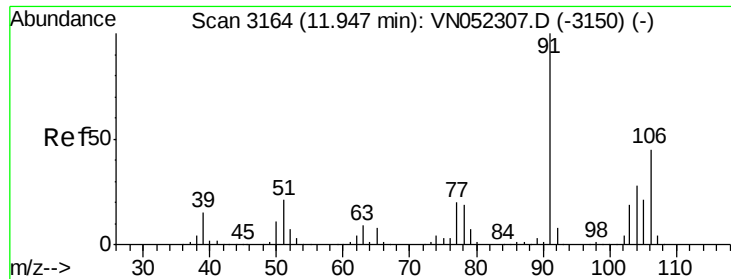
Tot Ion: 91 Resp: 4769
Ion Ratio Lower Upper
91 100
106 32.3 24.2 36.2



#68
m/p-Xylenes
Concen: 0.892 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Tgt Ion: 106 Resp: 5325
Ion Ratio Lower Upper
106 100
91 211.1 165.5 248.3

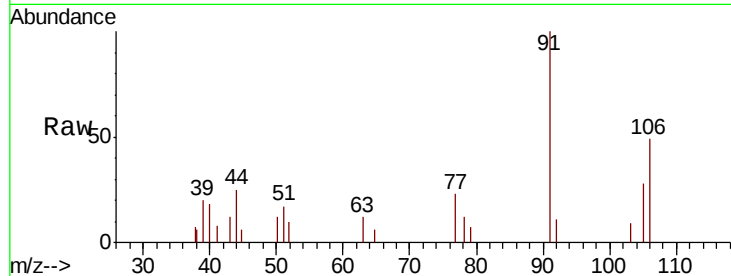




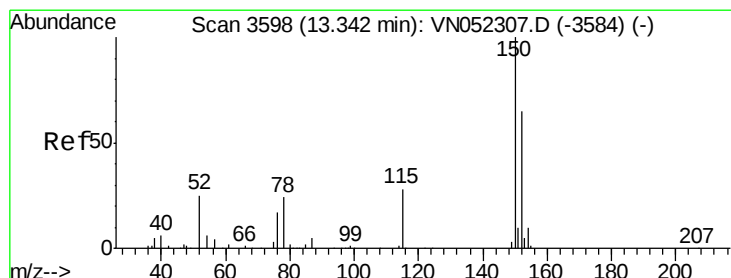
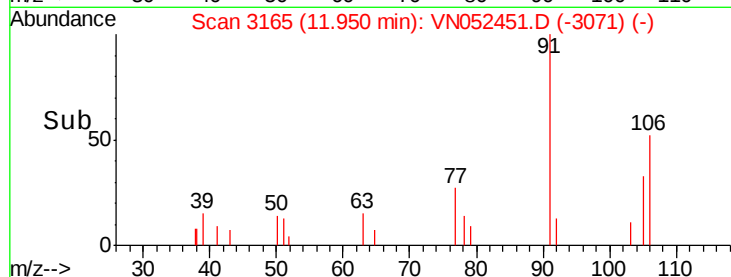
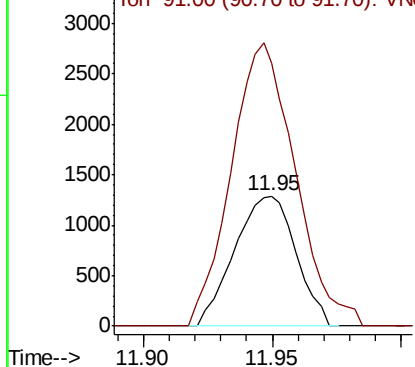
#69
o-Xylene
Concen: 0.373 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 2134
Ion Ratio Lower Upper
106 100
91 227.6 110.0 330.0

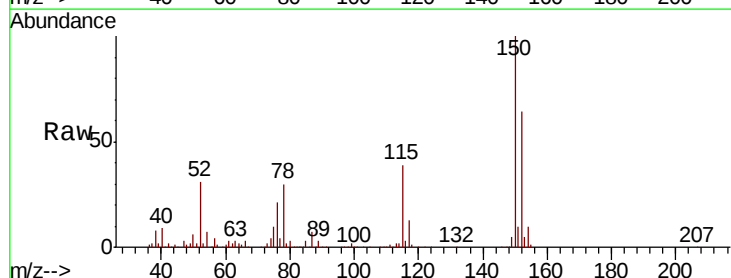


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

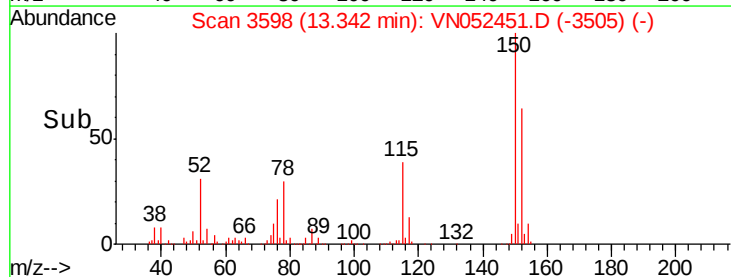
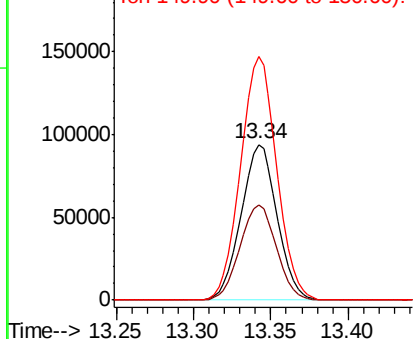


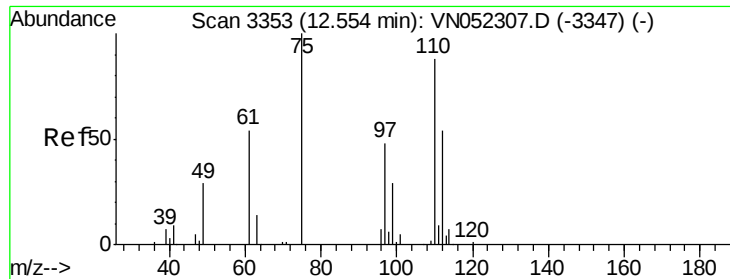
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052451.D
Acq: 21 Nov 2018 20:57

Tgt Ion:152 Resp: 151886
Ion Ratio Lower Upper
152 100
115 62.0 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

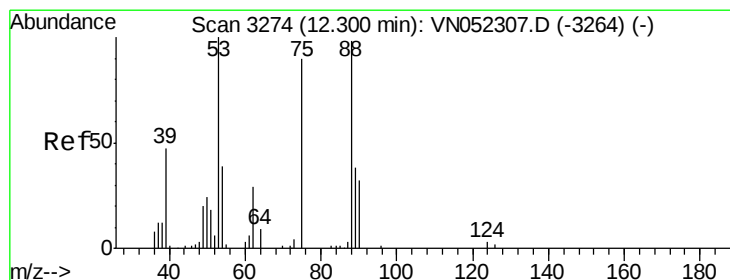
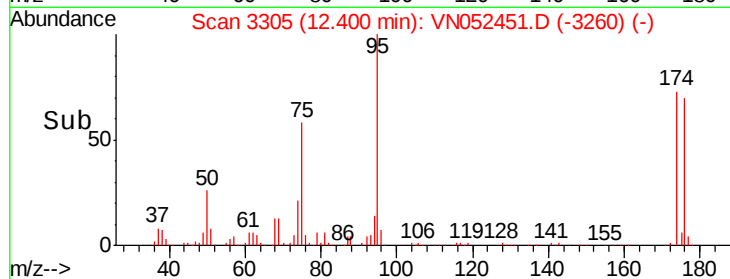
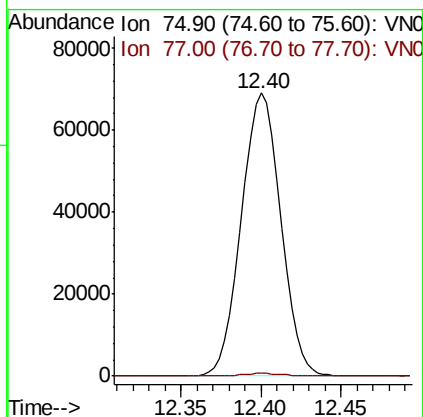
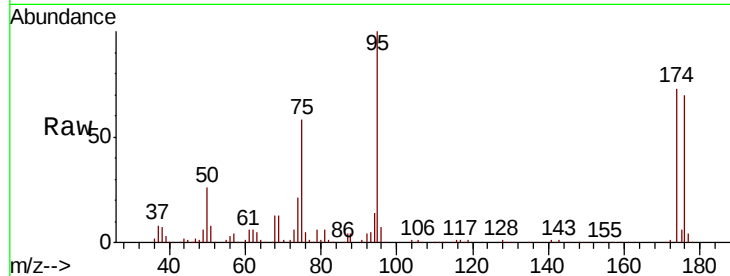




#76
 1,2,3-Trichloropropane
 Concen: 45.233 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

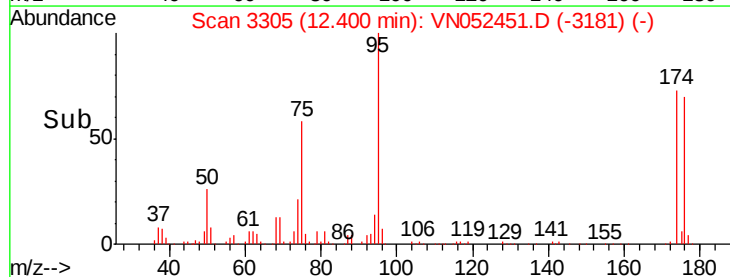
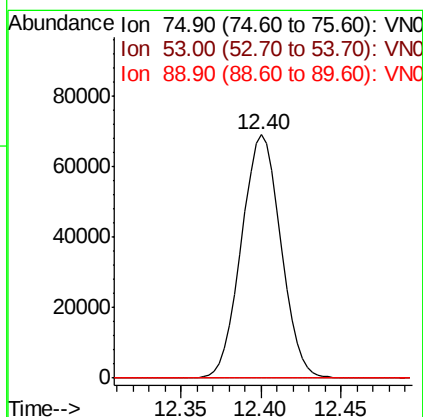
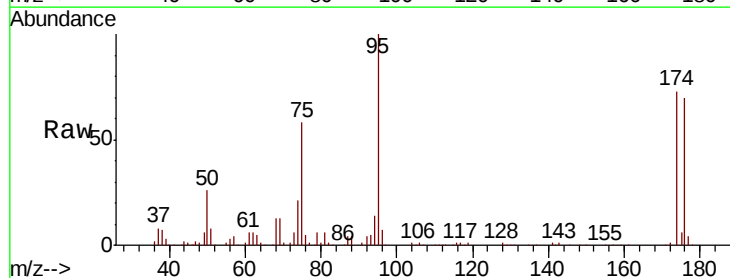
Instrument :
 MSVOA_N
 ClientSampleId :

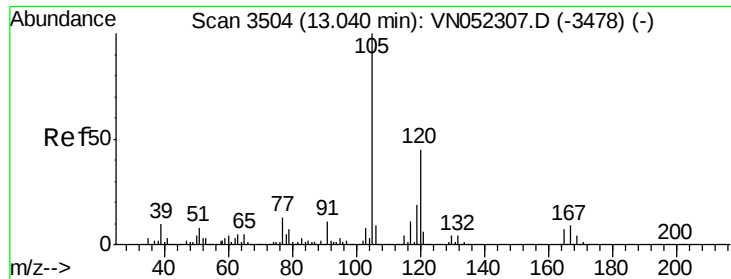
Tot Ion: 75 Resp: 116576
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.709 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

Tgt Ion: 75 Resp: 116576
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.2 135.2#
 89 0.0 35.4 53.0#

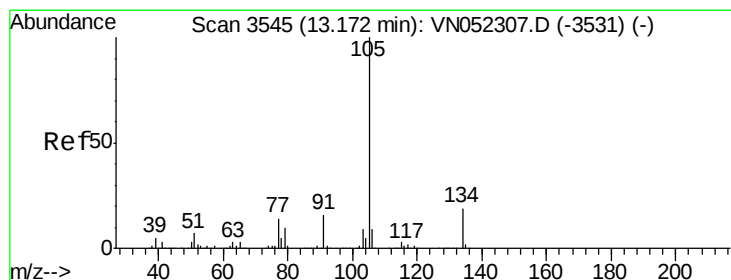
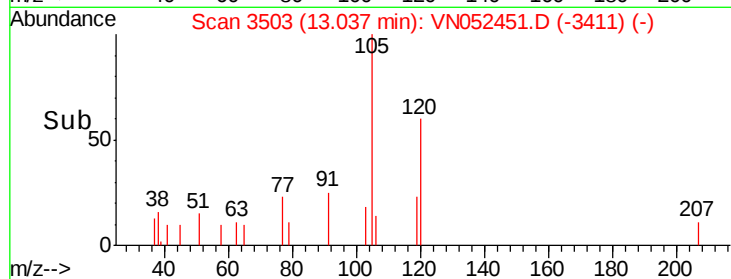
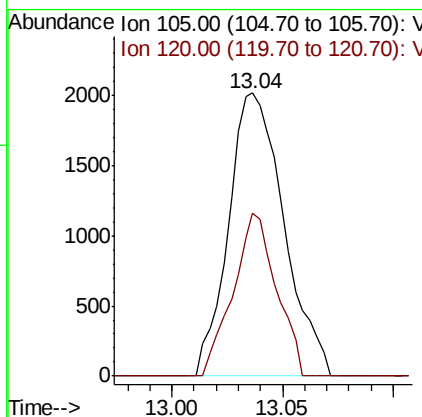
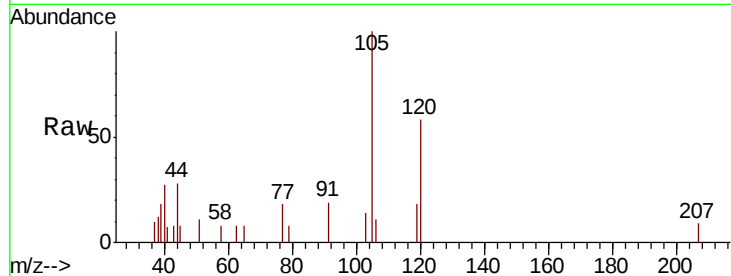




#84
 1,2,4-Trimethylbenzene
 Concen: 0.361 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

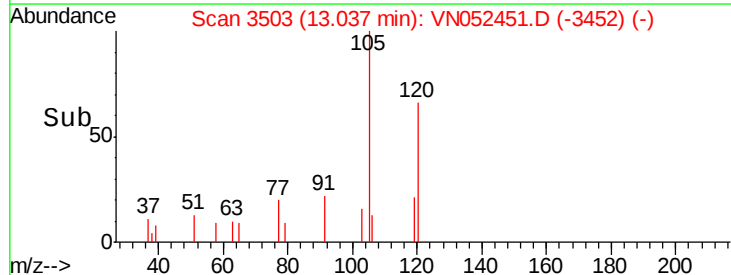
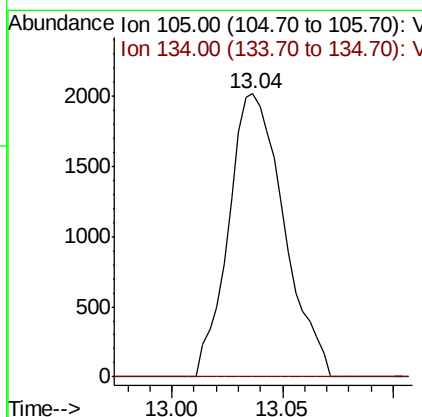
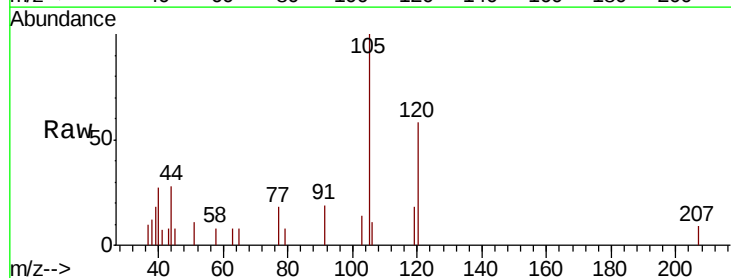
Instrument :
 MSVOA_N
 ClientSampled :

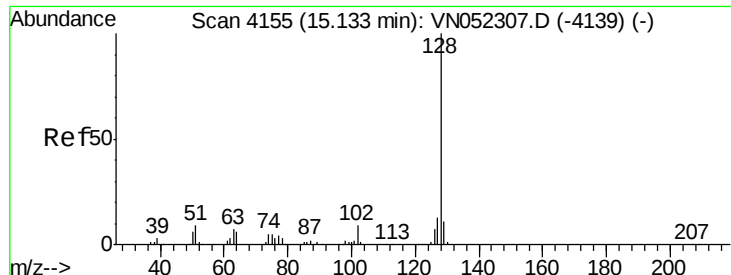
Tot Ion:105 Resp: 3516
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 0.301 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.14 min
 Lab File: VN052451.D
 Acq: 21 Nov 2018 20:57

Tgt Ion:105 Resp: 3516
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#





#95

Naphthalene

Concen: 2.818 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

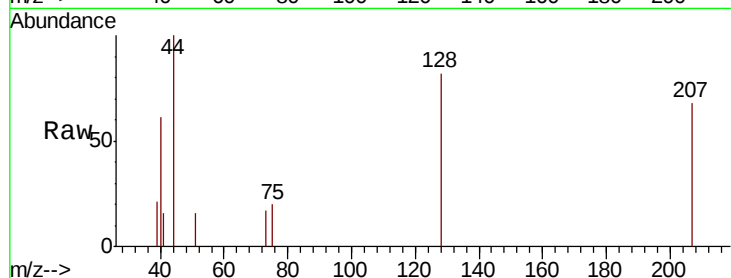
Lab File: VN052451.D

Acq: 21 Nov 2018 20:57

Instrument :

MSVOA_N

ClientSampleId :



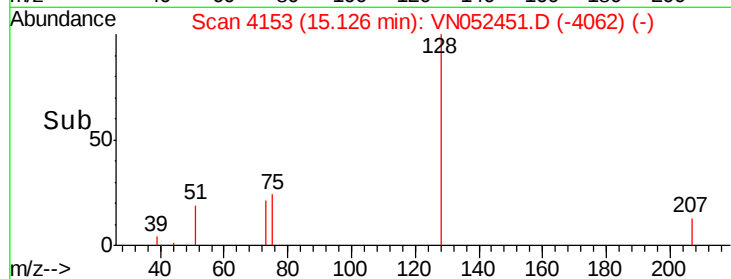
Tot Ion:128 Resp: 1212

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

