

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052450.D
 Acq On : 21 Nov 2018 20:30
 Operator : MD\SY
 Sample : J5996-16 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 00:01:23 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	324235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	544552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240894	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.59	113	178181	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	678552	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	199055	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	

Target Compounds

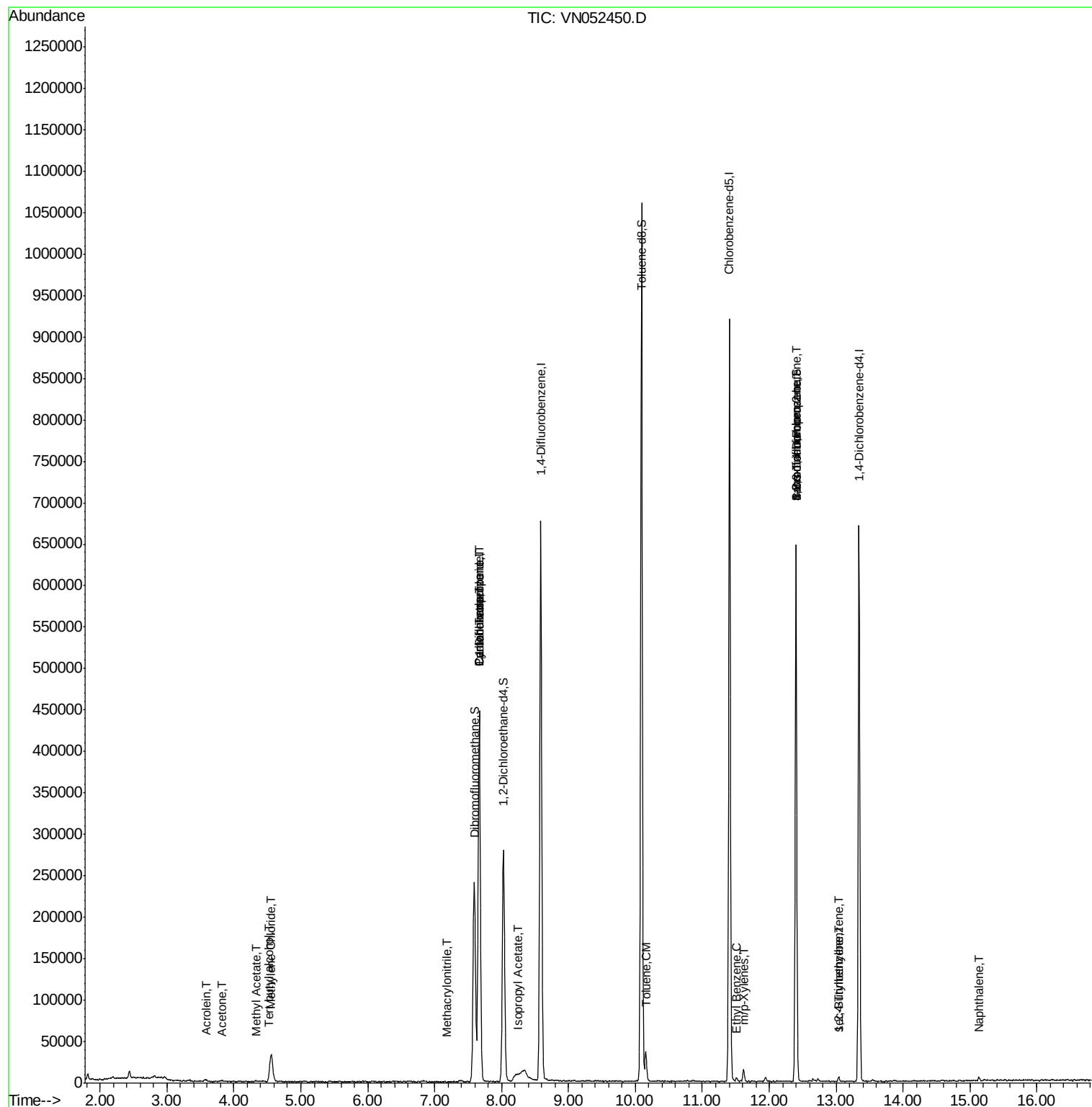
					Qvalue
11) Tert butyl alcohol	4.52	59	60	0.248 ug/l #	72
13) Acrolein	3.60	56	98	22.016 ug/l #	1
16) Acetone	3.82	43	1698	1.347 ug/l	95
18) Methyl Acetate	4.33	43	569	0.591 ug/l #	57
20) Methylene Chloride	4.56	84	21841	5.064 ug/l	98
31) Cyclohexane	7.67	56	10697	0.486 ug/l #	37
36) 1,1-Dichloropropene	7.67	75	31283	5.732 ug/l #	53
38) Carbon Tetrachloride	7.67	117	35440	7.068 ug/l #	16
41) Methacrylonitrile	7.18	41	122	3.747 ug/l #	100
43) Isopropyl Acetate	8.24	43	11611	1.519 ug/l #	67
52) Toluene	10.16	92	14052	1.506 ug/l	87
67) Ethyl Benzene	11.51	91	3441	0.204 ug/l	97
68) m/p-Xylenes	11.62	106	3543	0.574 ug/l	88
71) Bromoform	12.41	173	450	0.230 ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	117322	43.699 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	117322	141.732 ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	3058	0.301 ug/l	97
85) sec-Butylbenzene	13.04	105	3058	0.251 ug/l #	58
95) Naphthalene	15.13	128	3120	3.133 ug/l #	81

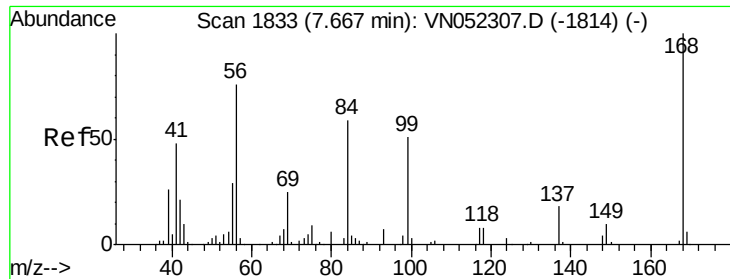
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112118\
Data File : VN052450.D
Acq On : 21 Nov 2018 20:30
Operator : MD\SY
Sample : J5996-16 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 28

Instrument :
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Quant Time: Nov 22 00:01:23 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: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

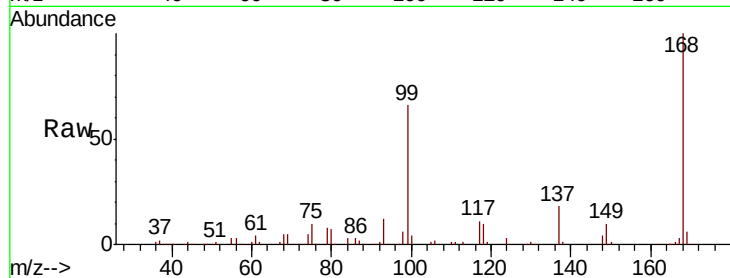
ClientSampled :

Tot Ion:168 Resp: 324235

Ion Ratio Lower Upper

168 100

99 65.5 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

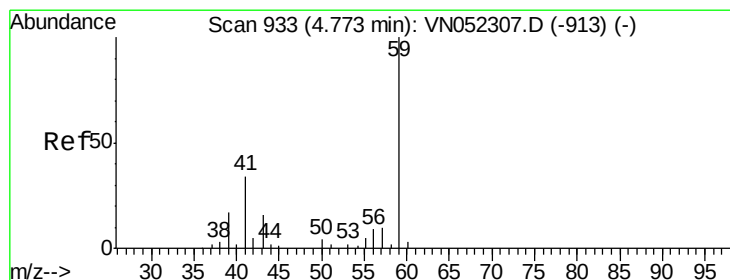
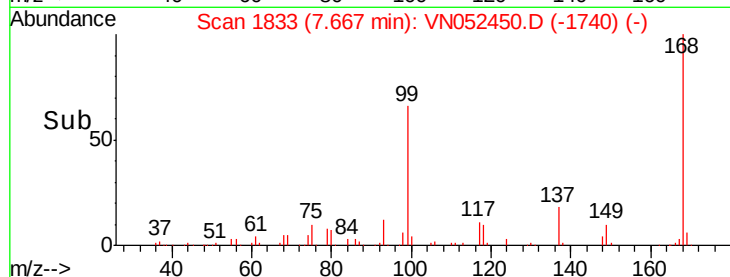
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.248 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.25 min

Lab File: VN052450.D

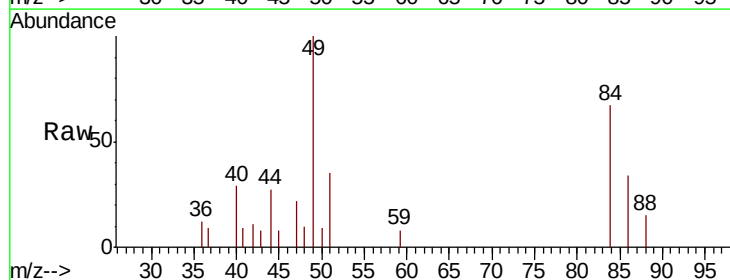
Acq: 21 Nov 2018 20:30

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN052307.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-913) (-)

4.52

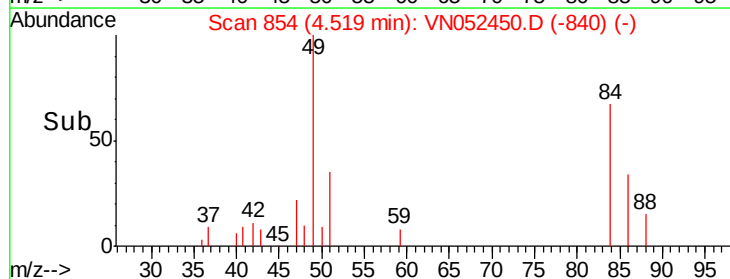
150

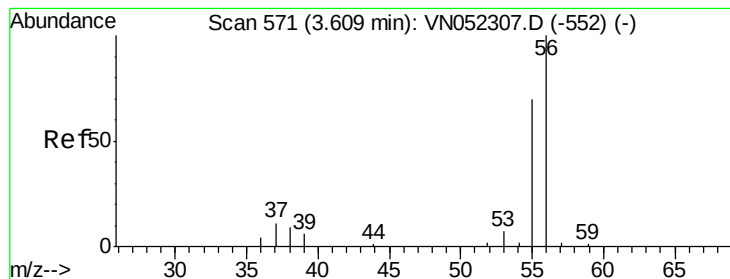
100

50

0

Time-->





#13

Acrolein

Concen: 22.016 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

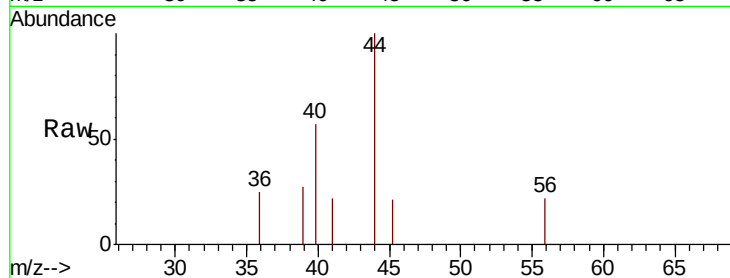
ClientSampled :

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

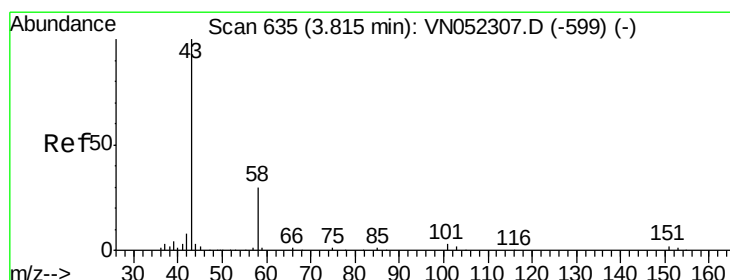
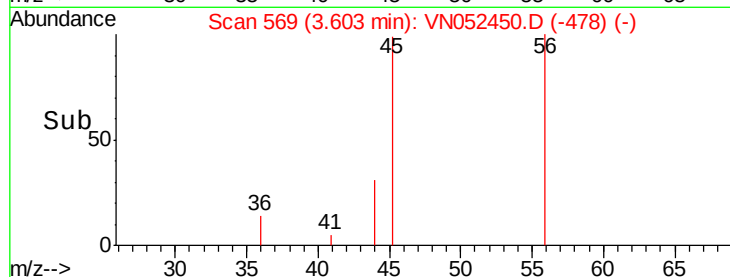
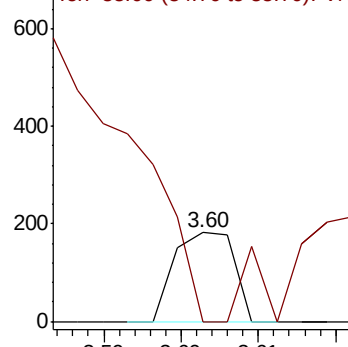
56 100

55 211.2 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.347 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052450.D

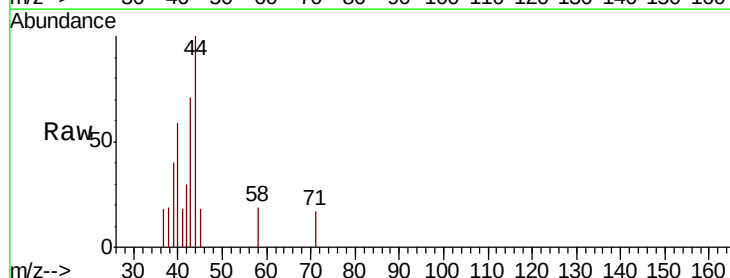
Acq: 21 Nov 2018 20:30

Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

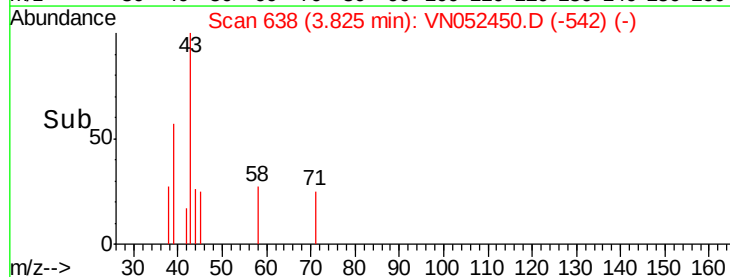
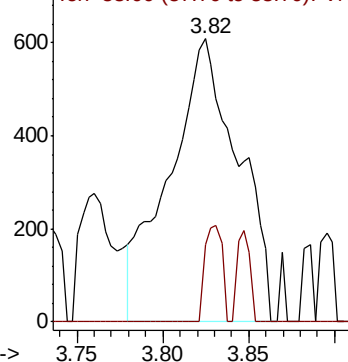
43 100

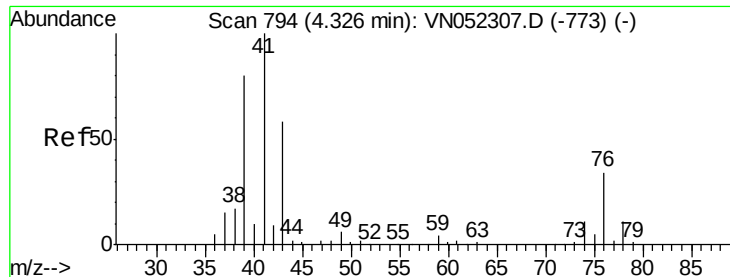
58 27.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

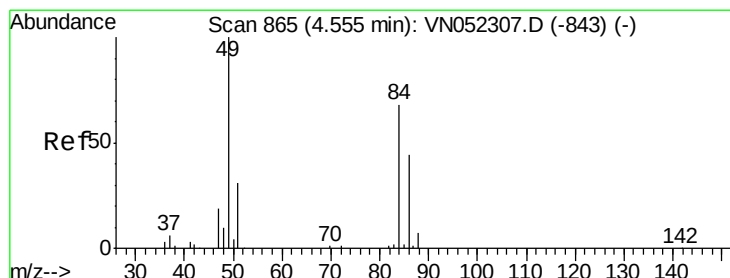
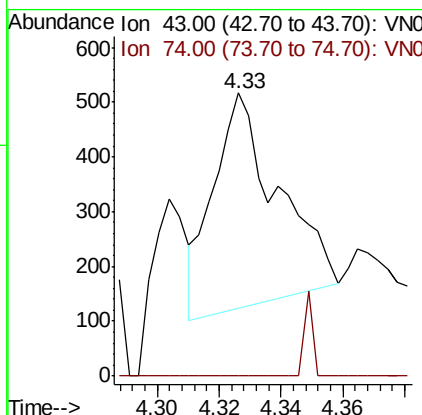
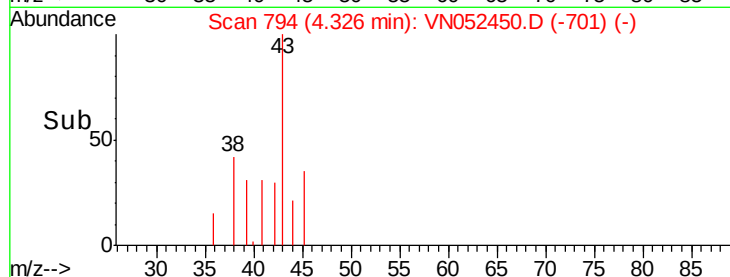
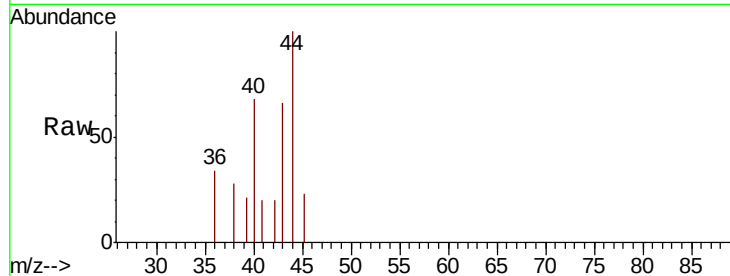




#18
Methyl Acetate
Concen: 0.591 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

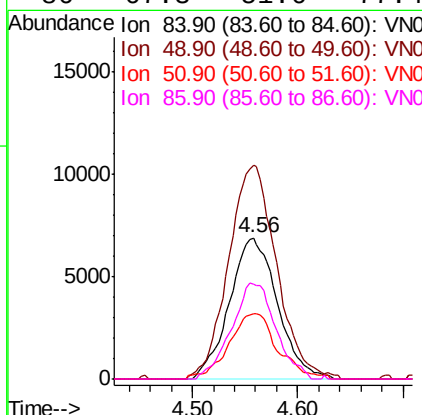
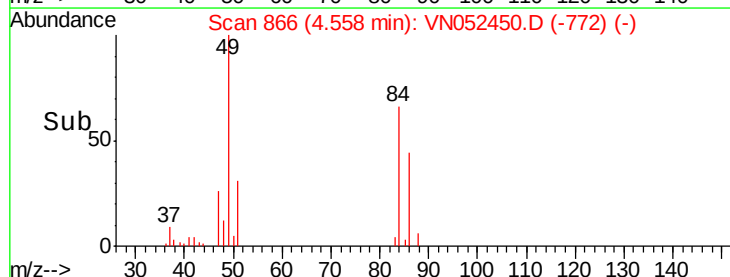
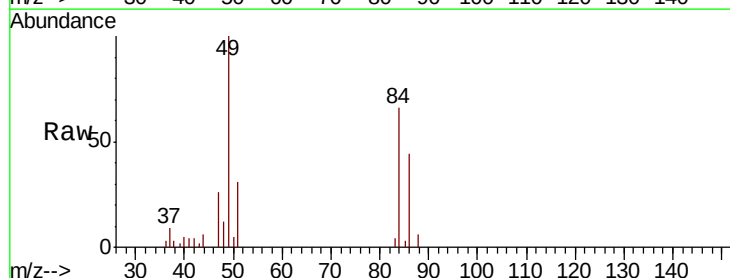
Instrument :
MSVOA_N
ClientSampled :

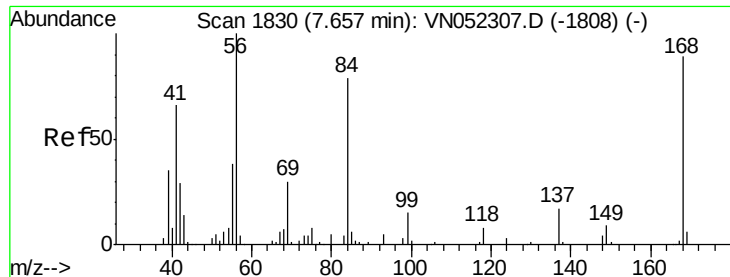
Tot Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#



#20
Methylene Chloride
Concen: 5.064 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion: 84 Resp: 21841
Ion Ratio Lower Upper
84 100
49 149.3 118.2 177.2
51 46.6 36.1 54.1
86 67.3 51.6 77.4

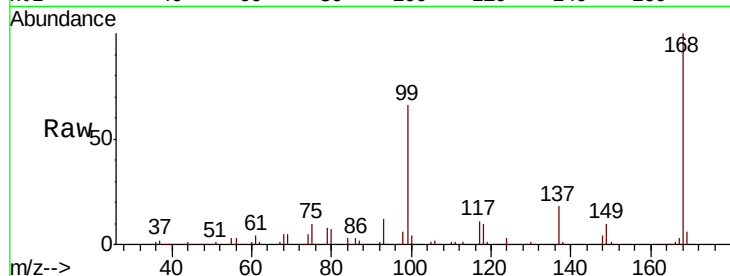




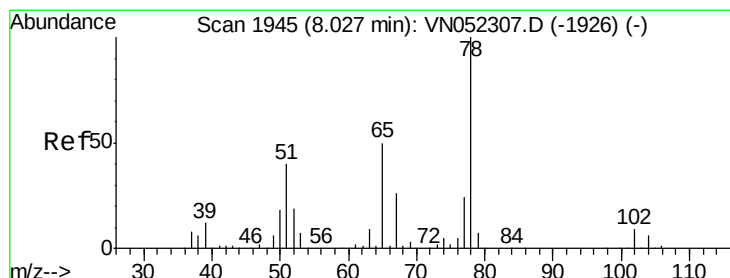
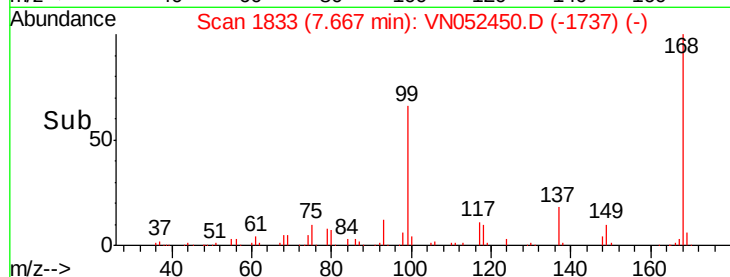
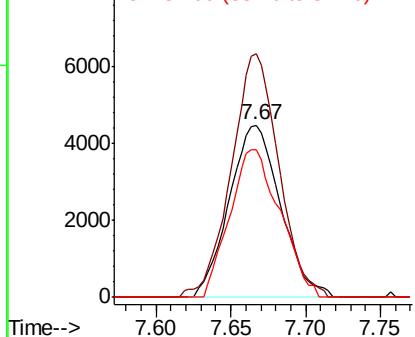
#31
Cyclohexane
Concen: 0.486 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10697
Ion Ratio Lower Upper
56 100
69 141.6 23.8 35.8#
84 86.0 63.0 94.6

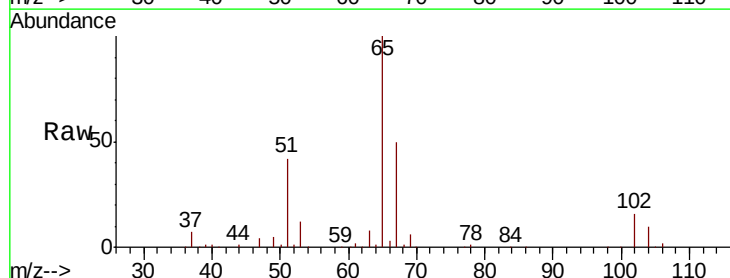


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

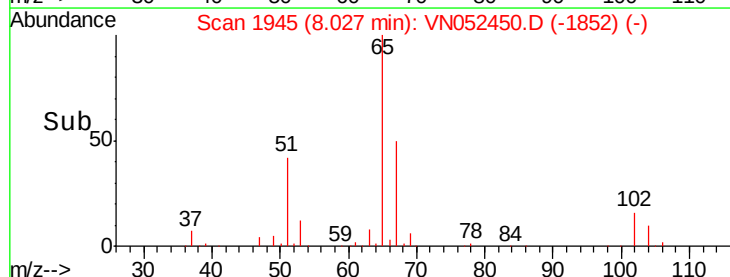
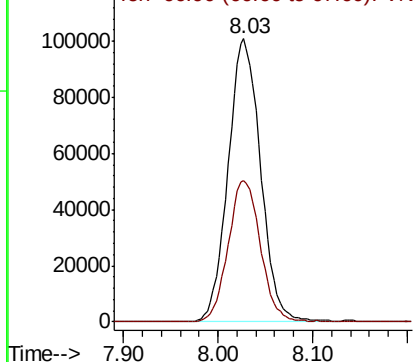


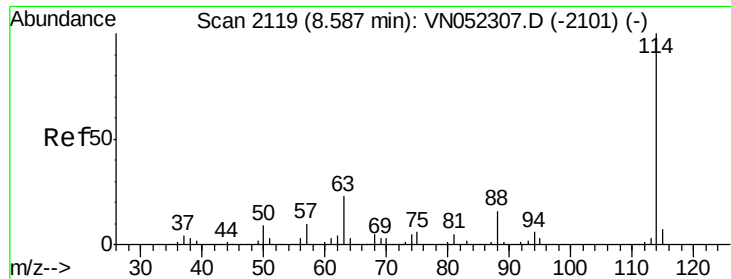
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion: 65 Resp: 240894
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.2



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

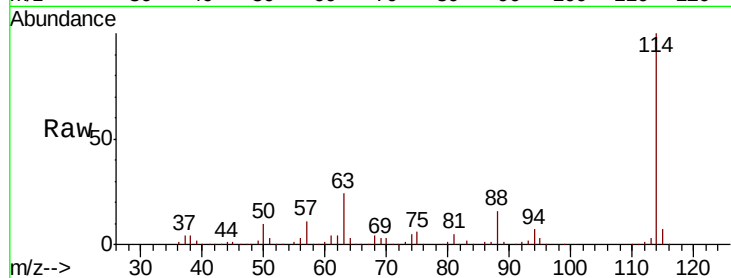




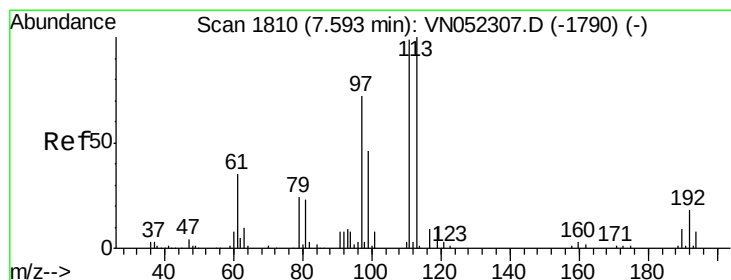
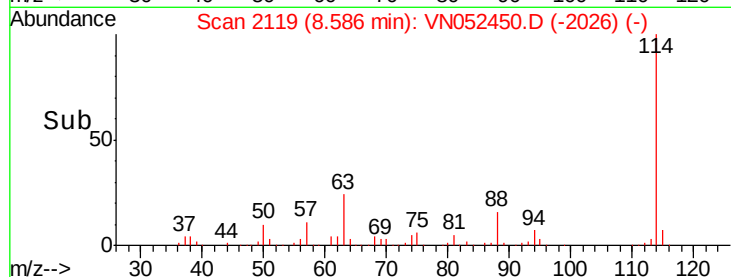
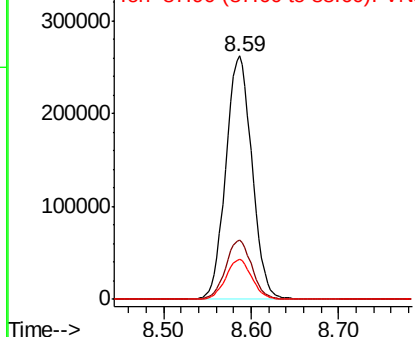
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 544552
Ion Ratio Lower Upper
114 100
63 24.2 0.0 45.4
88 16.2 0.0 31.2

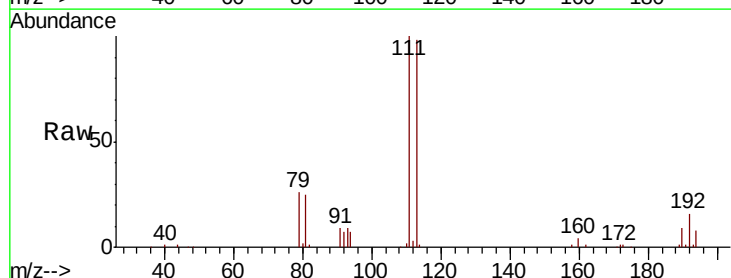


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

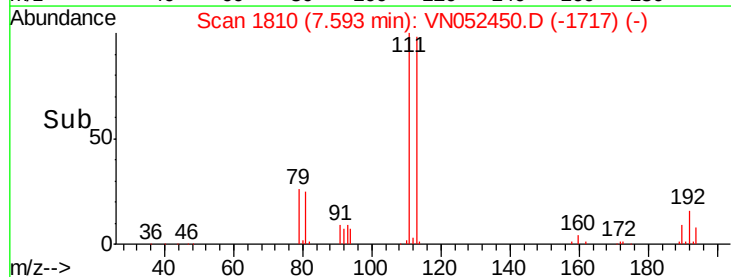
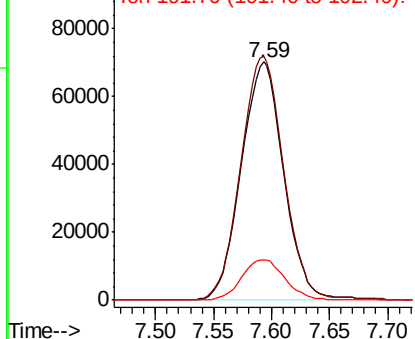


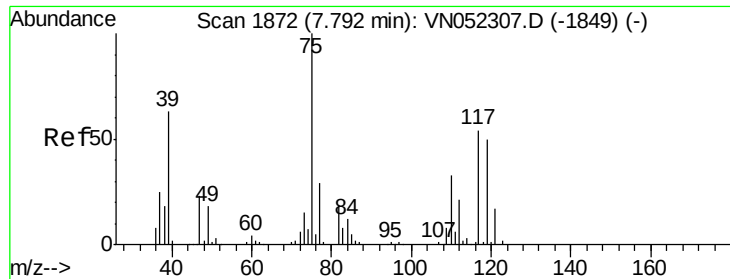
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion:113 Resp: 178181
Ion Ratio Lower Upper
113 100
111 104.0 81.0 121.6
192 17.2 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: 5.732 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

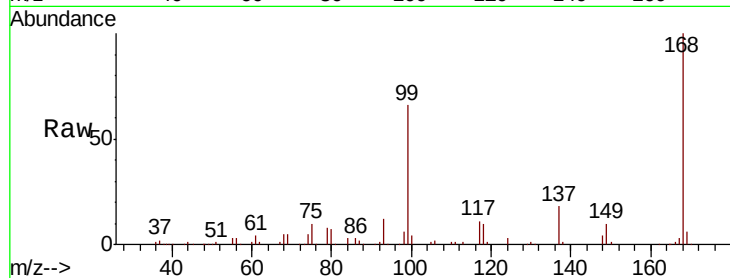
Tot Ion: 75 Resp: 31283

Ion Ratio Lower Upper

75 100

110 10.4 16.5 49.5#

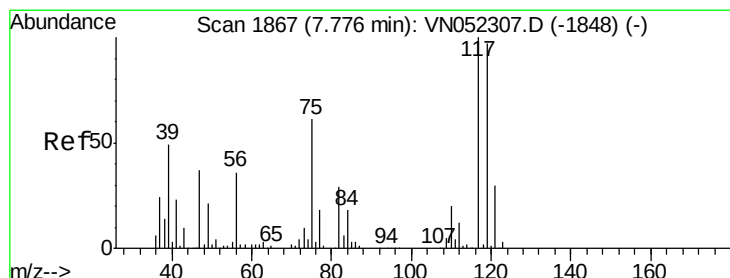
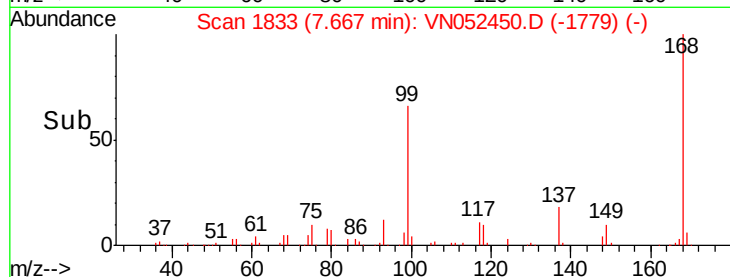
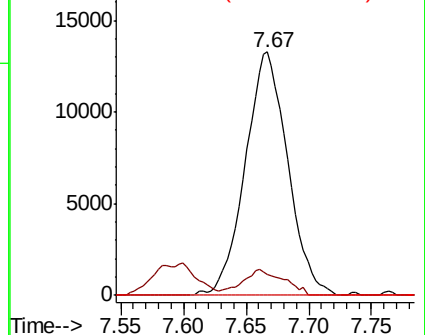
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052307.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 7.068 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

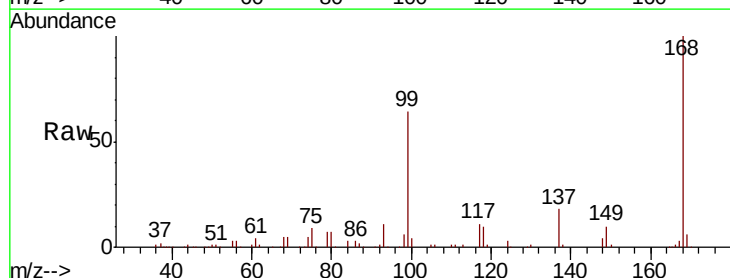
Tgt Ion: 117 Resp: 35440

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

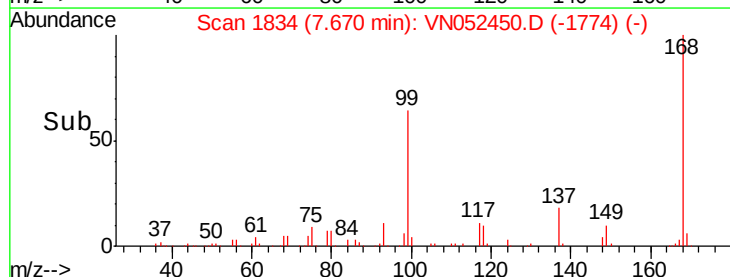
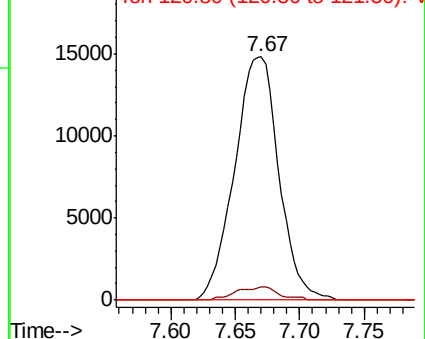
121 0.0 24.0 36.0#

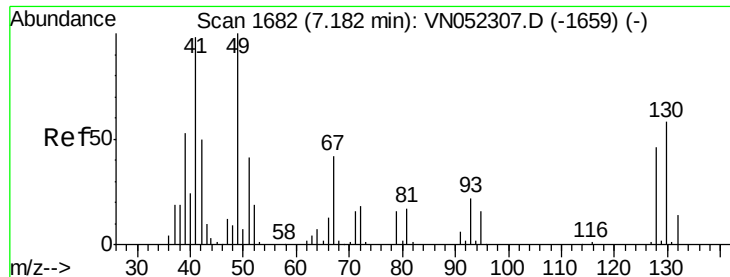


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

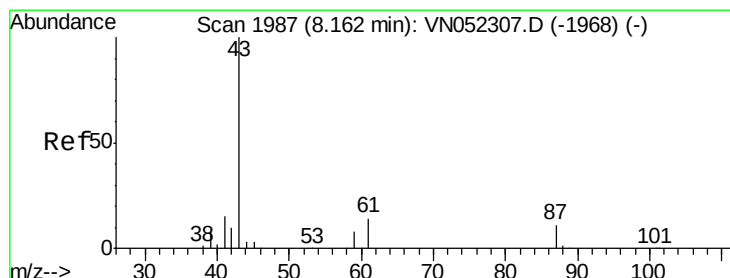
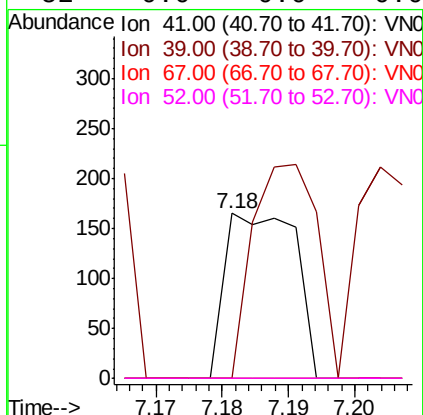
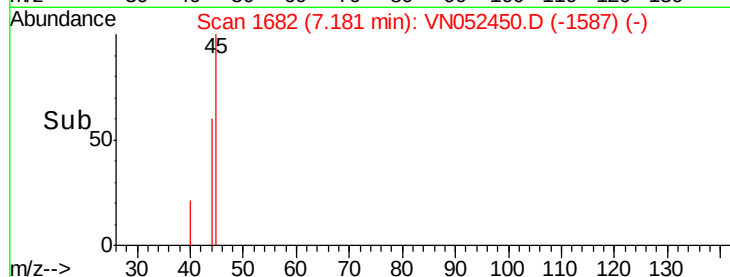
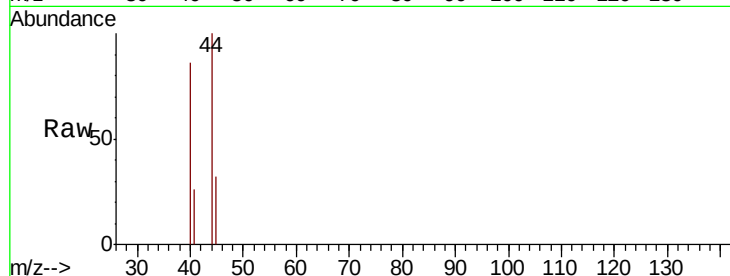




#41
Methacrylonitrile
Concen: 3.747 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

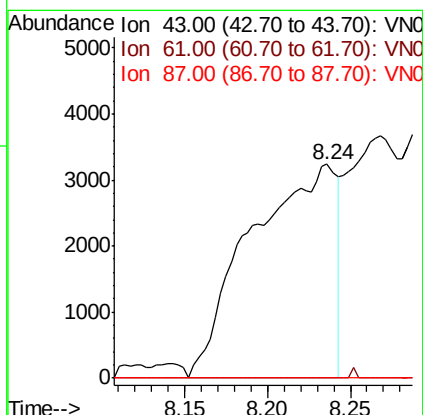
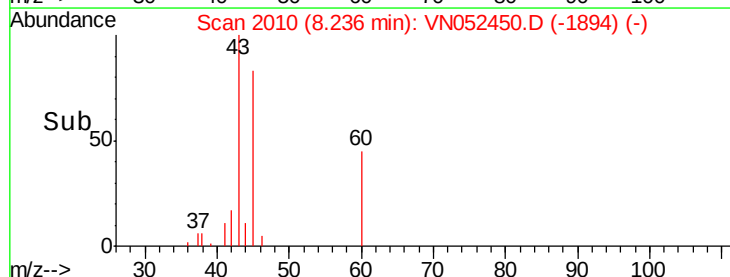
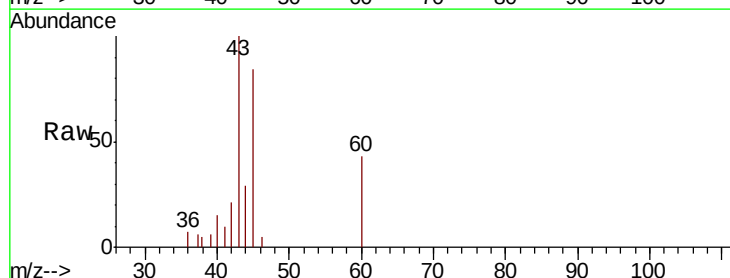
Instrument :
MSVOA_N
ClientSampled :

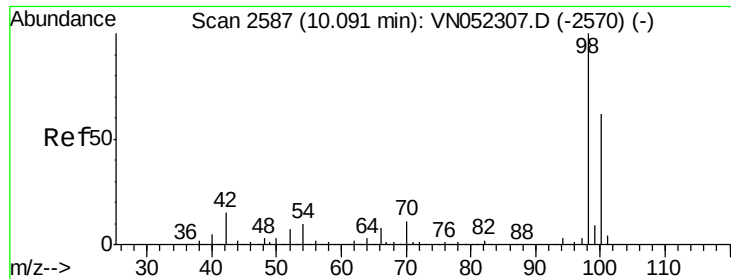
Tot Ion:	41	Resp:	122
Ion	Ratio	Lower	Upper
41	100		
39	118.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 1.519 ug/l
RT: 8.24 min Scan# 2010
Delta R.T. 0.07 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion:	43	Resp:	11611
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: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

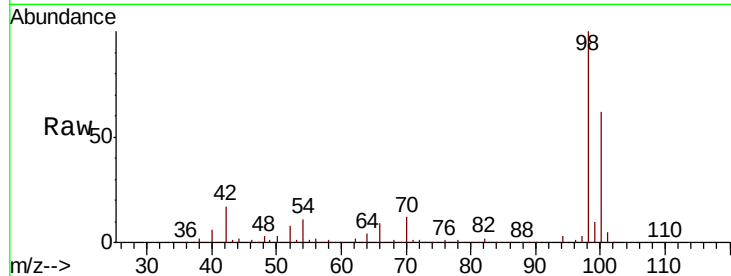
ClientSampleId :

Tot Ion: 98 Resp: 678552

Ion Ratio Lower Upper

98 100

100 62.5 49.5 74.3



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

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

400000

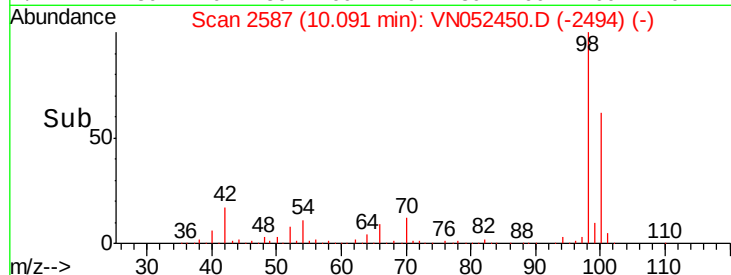
300000

200000

100000

0

Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN052450.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052450.D (-2494) (-)

10.09

400000

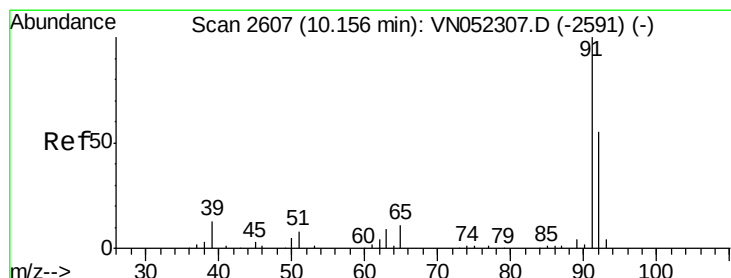
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1.506 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052450.D

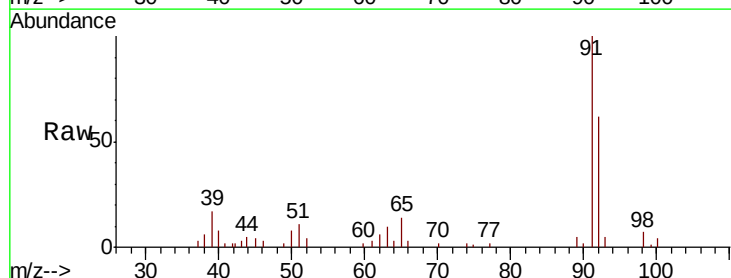
Acq: 21 Nov 2018 20:30

Tgt Ion: 92 Resp: 14052

Ion Ratio Lower Upper

92 100

91 161.3 143.6 215.4



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

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

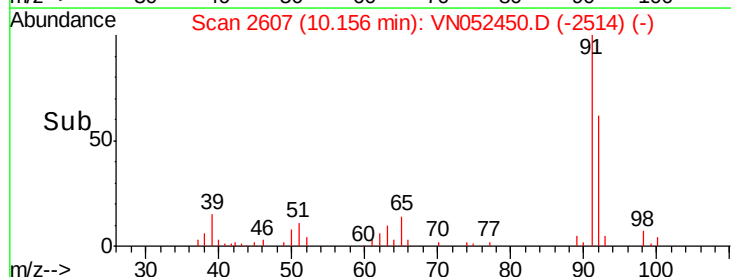
10.16

10000

5000

0

Time-->



Abundance Ion 92.00 (91.70 to 92.70): VN052450.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052450.D (-2514) (-)

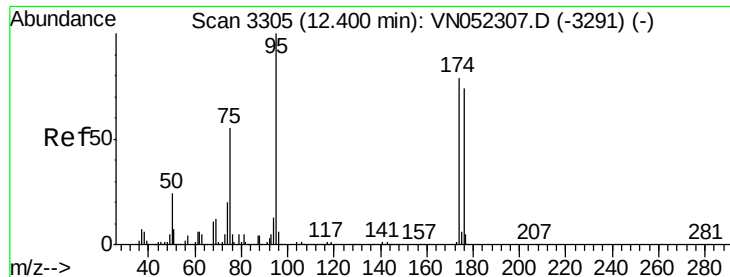
10.16

10000

5000

0

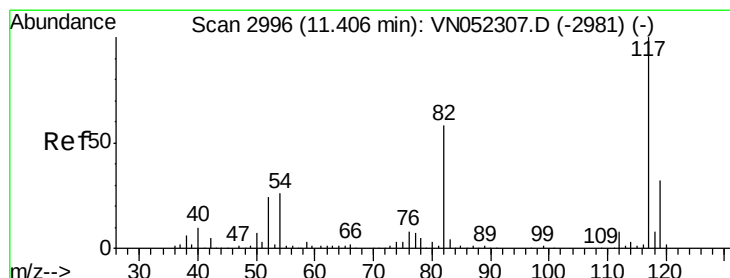
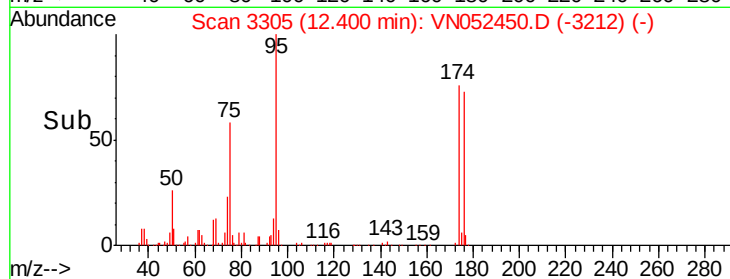
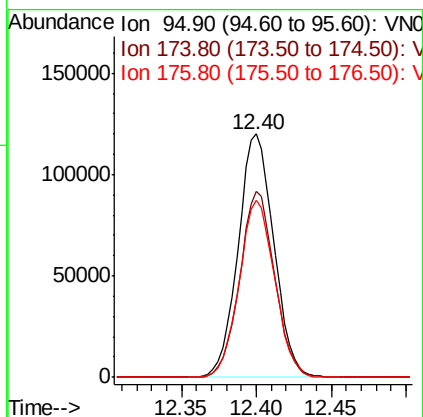
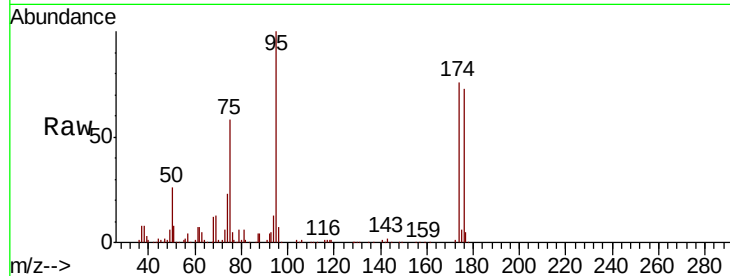
Time-->



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

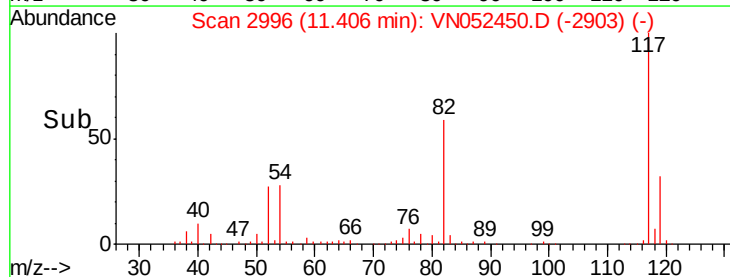
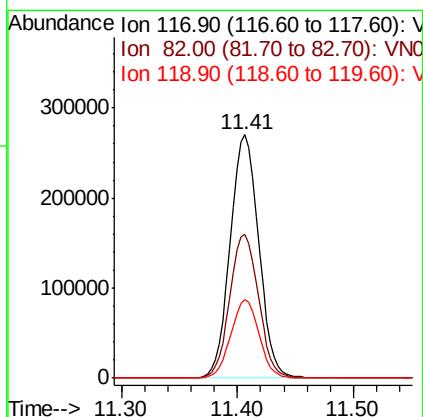
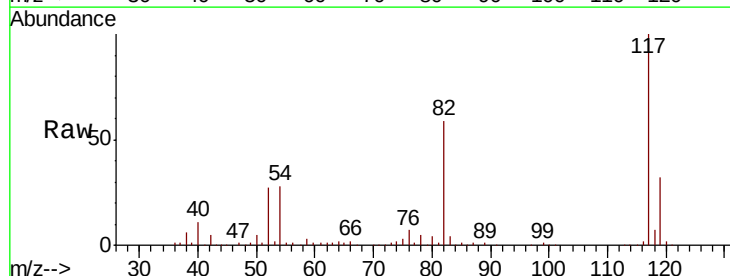
Instrument :
MSVOA_N
ClientSampleId :

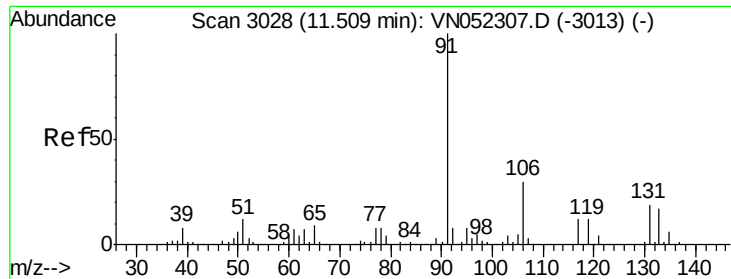
Tot Ion: 95 Resp: 199055
Ion Ratio Lower Upper
95 100
174 74.9 0.0 156.0
176 72.7 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion: 117 Resp: 460556
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 32.3 25.7 38.5

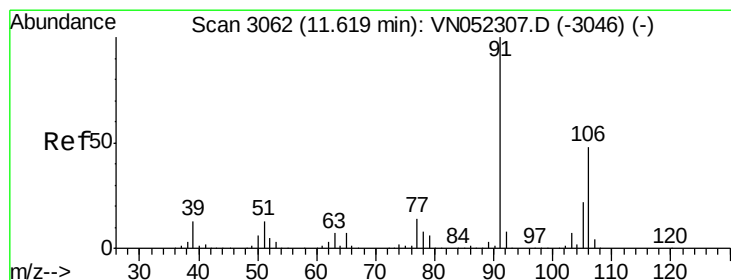
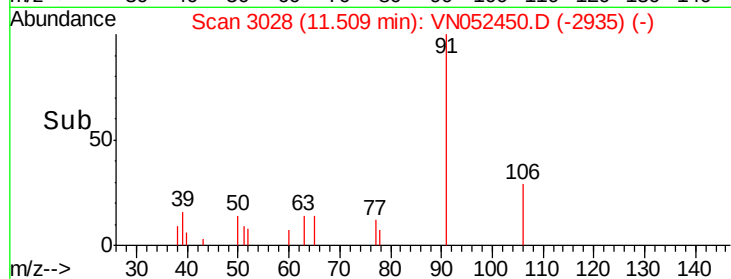
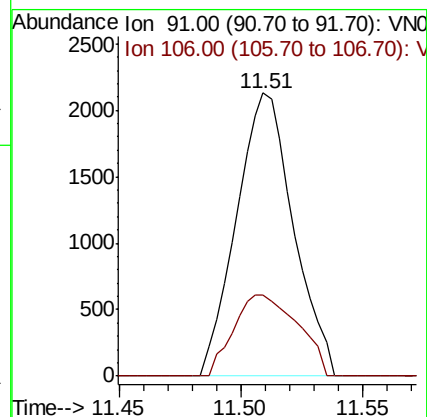
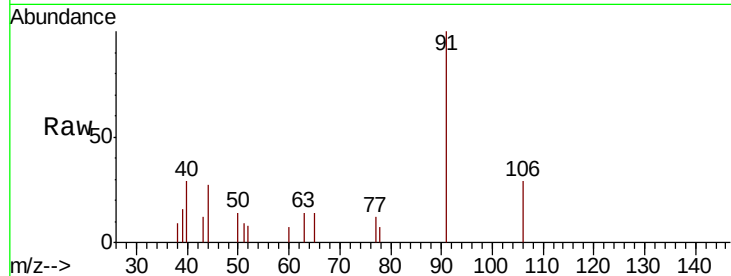




#67
Ethyl Benzene
Concen: 0.204 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

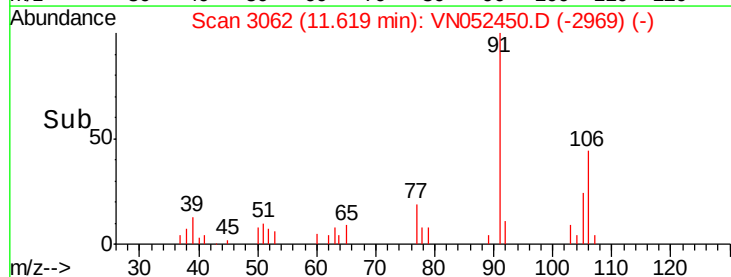
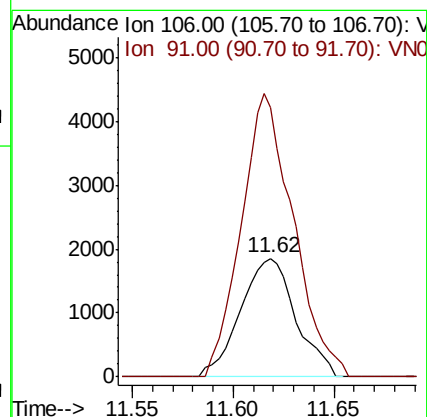
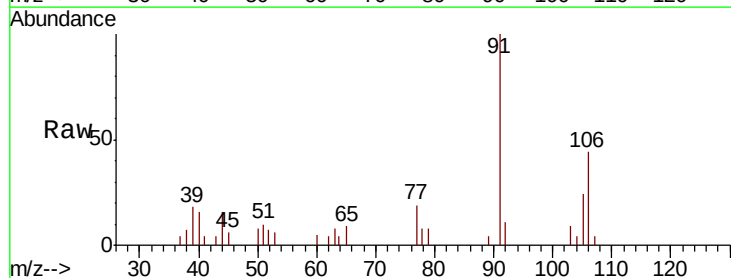
Instrument :
MSVOA_N
ClientSampled :

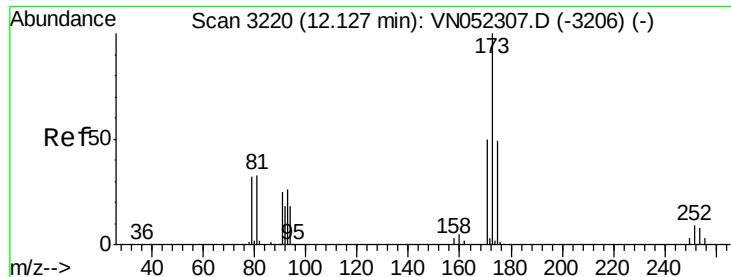
Tot Ion: 91 Resp: 3441
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2



#68
m/p-Xylenes
Concen: 0.574 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052450.D
Acq: 21 Nov 2018 20:30

Tgt Ion: 106 Resp: 3543
Ion Ratio Lower Upper
106 100
91 225.2 165.5 248.3





#71

Bromoform

Concen: 0.230 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

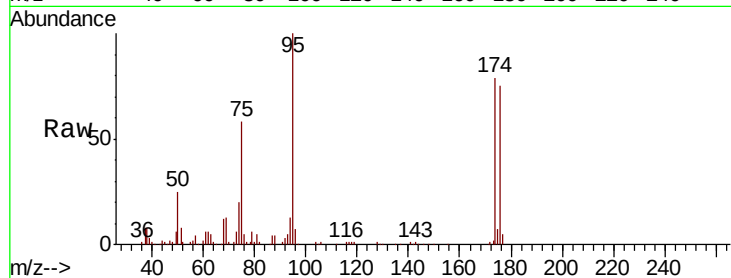
Tot Ion:173 Resp: 450

Ion Ratio Lower Upper

173 100

175 2328.4 25.0 75.0#

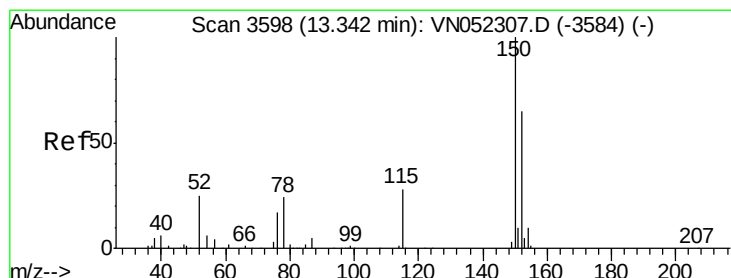
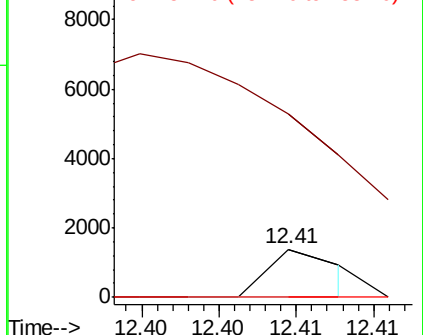
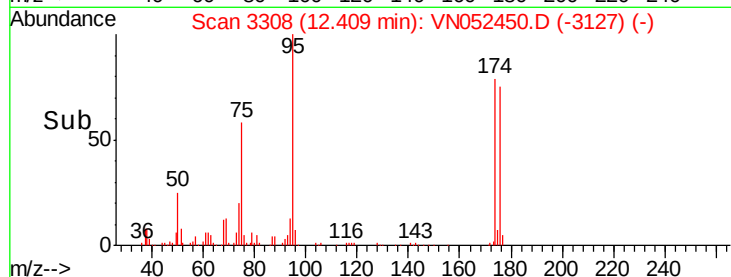
254 0.0 0.0 0.0



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: VN052450.D

Acq: 21 Nov 2018 20:30

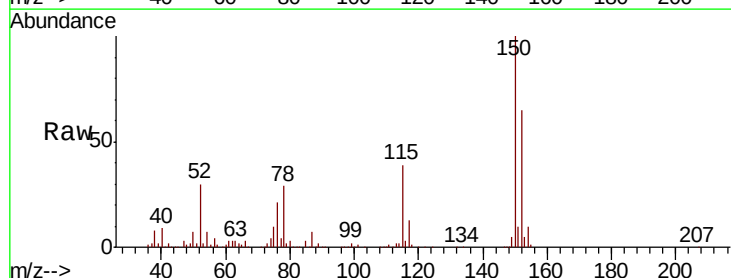
Tgt Ion:152 Resp: 158225

Ion Ratio Lower Upper

152 100

115 60.1 30.3 91.0

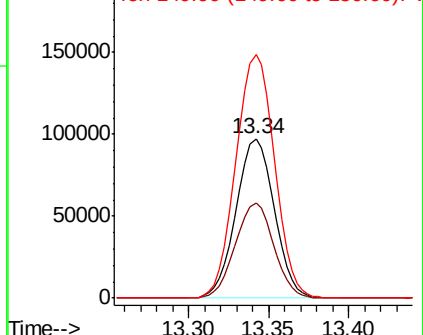
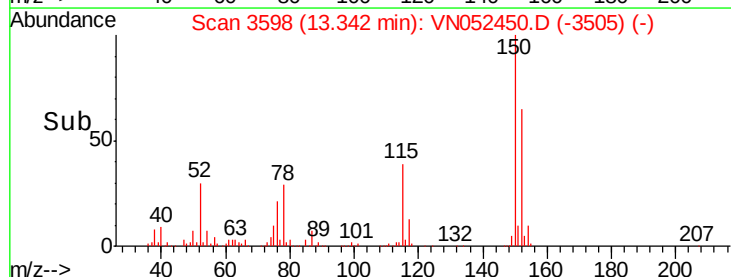
150 154.7 0.0 348.2

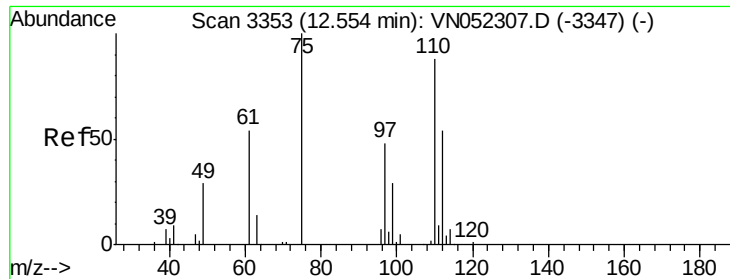


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.699 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

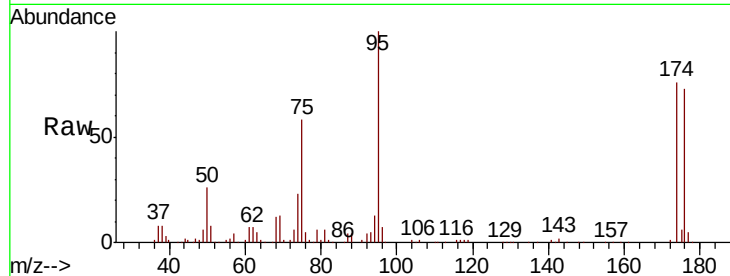
ClientSampleId :

Tot Ion: 75 Resp: 117322

Ion Ratio Lower Upper

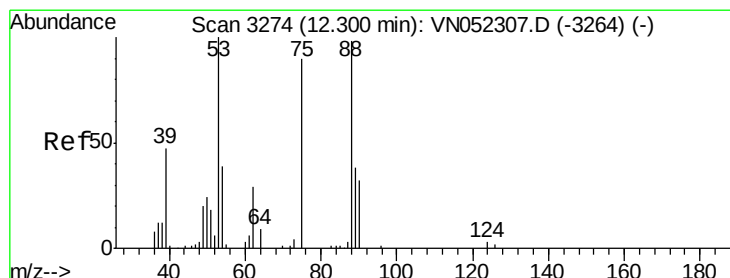
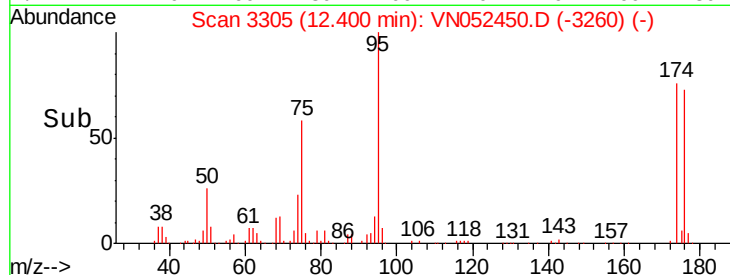
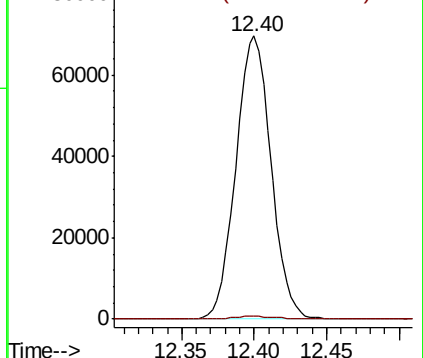
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 141.732 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

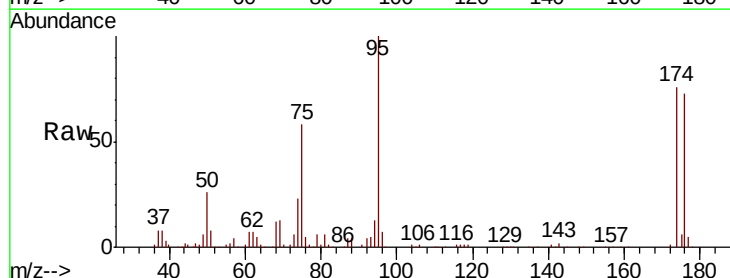
Tgt Ion: 75 Resp: 117322

Ion Ratio Lower Upper

75 100

53 0.2 90.2 135.2#

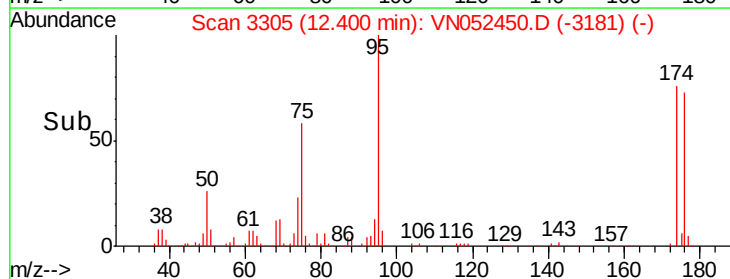
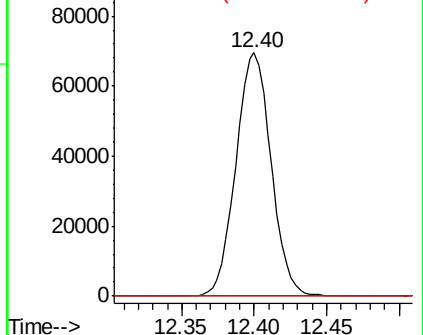
89 0.0 35.4 53.0#

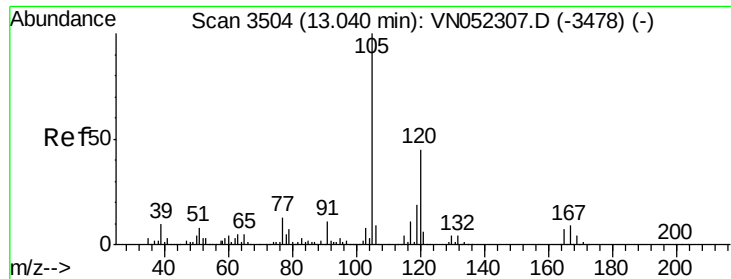


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

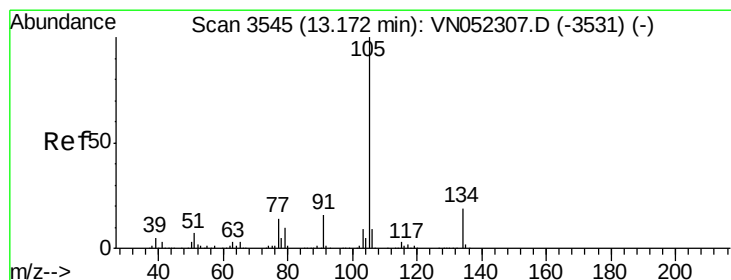
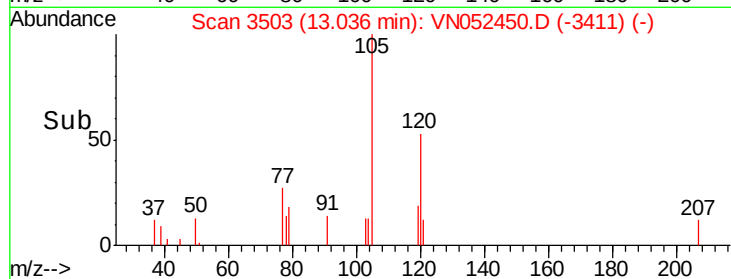
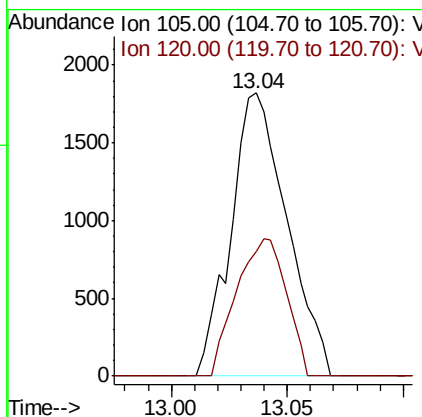
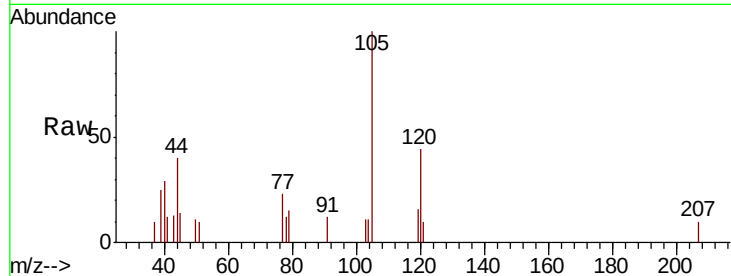




#84
 1,2,4-Trimethylbenzene
 Concen: 0.301 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052450.D
 Acq: 21 Nov 2018 20:30

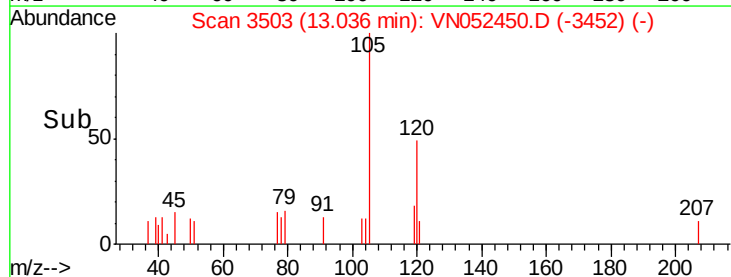
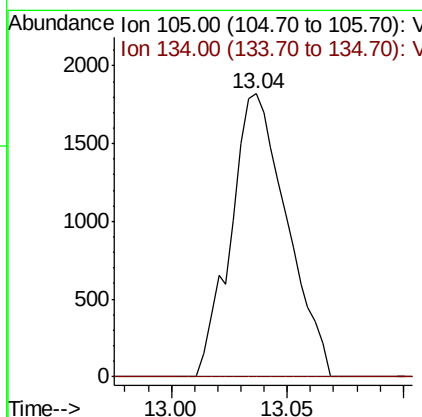
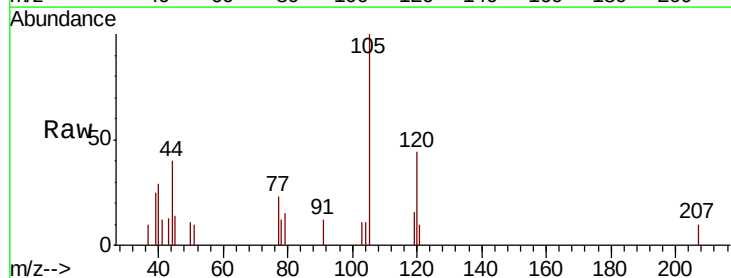
Instrument :
 MSVOA_N
 ClientSampled :

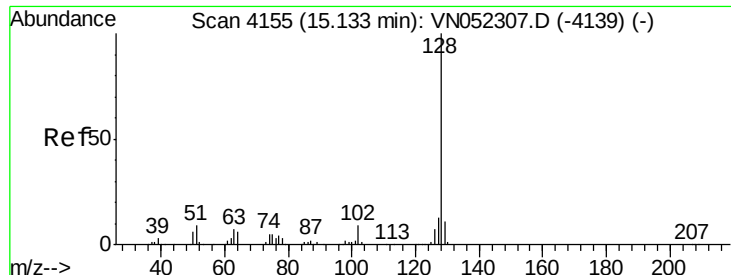
Tot Ion:105 Resp: 3058
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 0.251 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.14 min
 Lab File: VN052450.D
 Acq: 21 Nov 2018 20:30

Tgt Ion:105 Resp: 3058
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#





#95

Naphthalene

Concen: 3.133 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

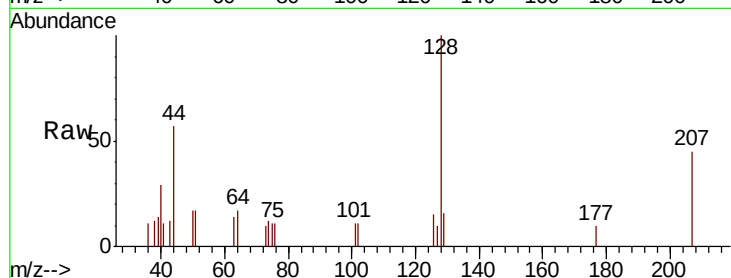
Lab File: VN052450.D

Acq: 21 Nov 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :



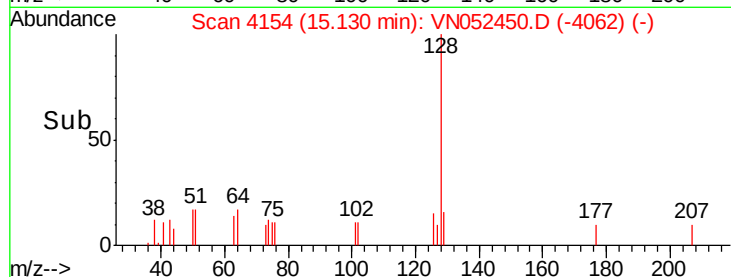
Tot Ion:128 Resp: 3120

Ion Ratio Lower Upper

128 100

127 3.9 10.4 15.6#

129 5.7 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

