

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052011.D
 Acq On : 25 Oct 2018 14:55
 Operator : MD\SY
 Sample : J5656-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-DRUM

Quant Time: Oct 26 01:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1140217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1661414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1579531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739590	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	595021	58.59	ug/l	0.00
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	7.59	113	626171	59.06	ug/l	0.00
Spiked Amount			Recovery	=	118.12%	
50) Toluene-d8	10.09	98	2287722	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	
62) 4-Bromofluorobenzene	12.40	95	727862	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	

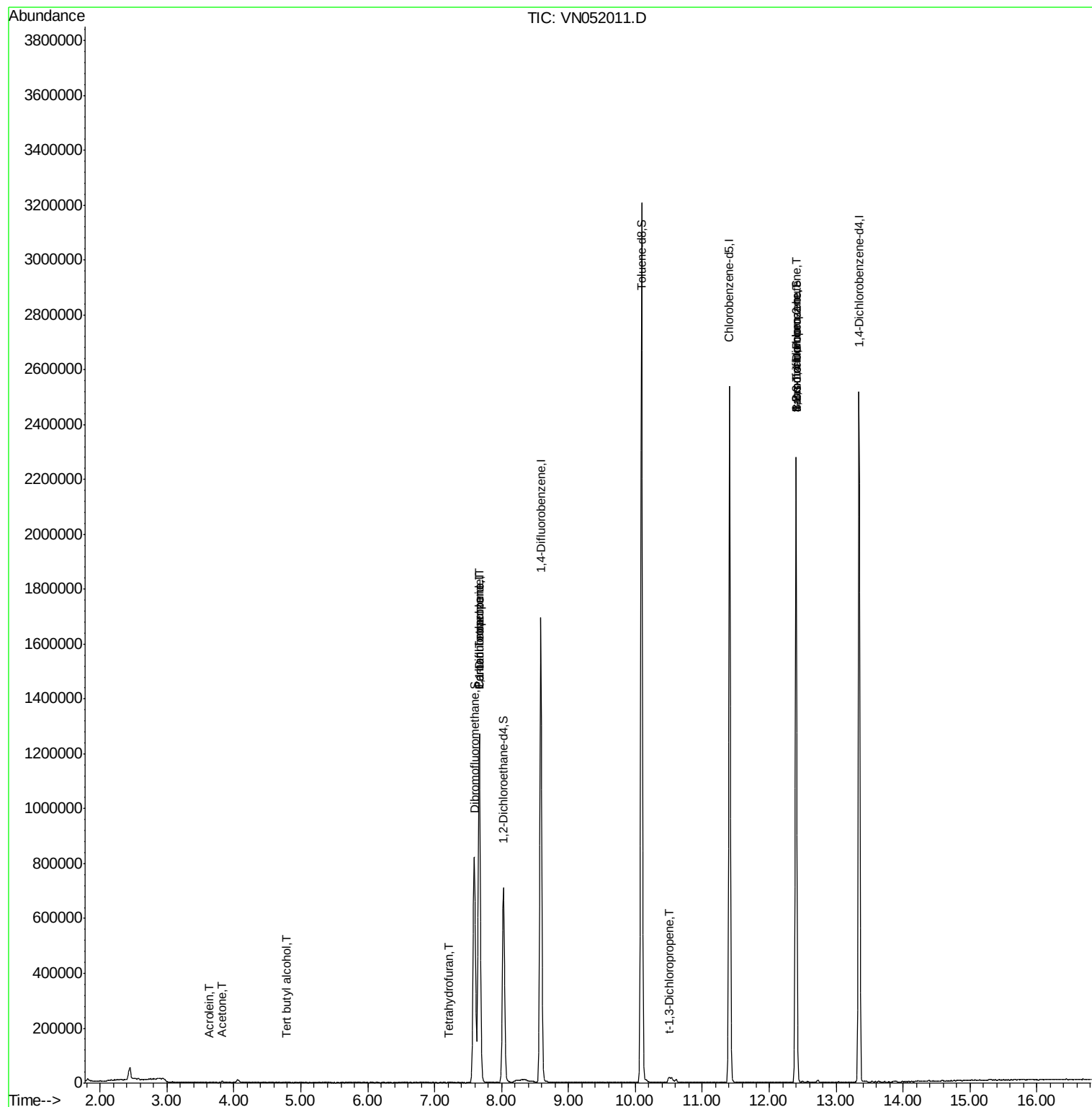
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	1968	3.745	ug/l #	72
13) Acrolein	3.62	56	97	37.545	ug/l #	14
16) Acetone	3.82	43	7651	4.573	ug/l #	86
18) Methyl Acetate	4.32	43	472	Below Cal		91
29) Tetrahydrofuran	7.22	42	344	0.213	ug/l #	65
31) Cyclohexane	7.67	56	17936	Below Cal	#	23
36) 1,1-Dichloropropene	7.66	75	68861	5.403	ug/l #	46
37) Ethyl Acetate	6.94	43	36	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	100465	6.867	ug/l #	16
53) t-1,3-Dichloropropene	10.50	75	66	1.249	ug/l #	43
71) Bromoform	12.40	173	5893	4.336	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	352208	46.103	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	352208	145.058	ug/l #	12

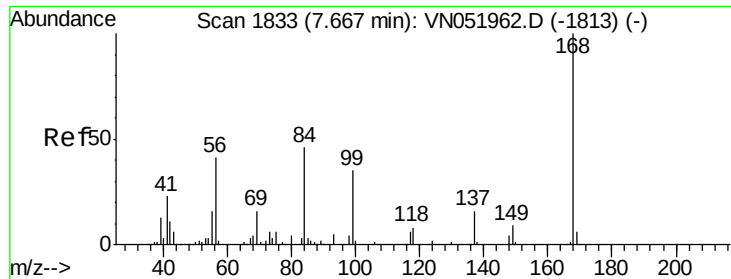
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

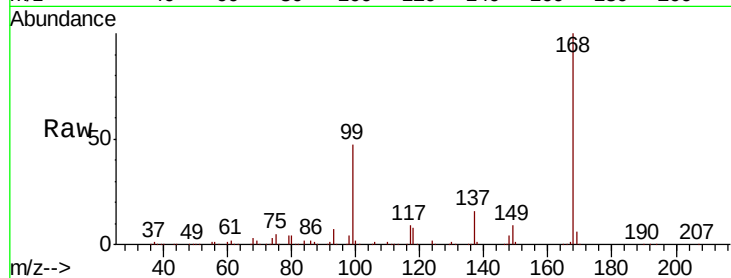
WS-DRUM

Tot Ion:168 Resp: 1140217

Ion Ratio Lower Upper

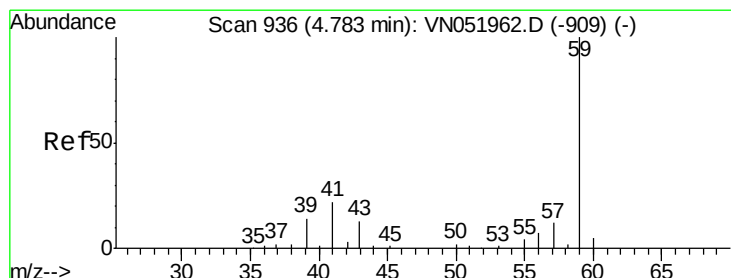
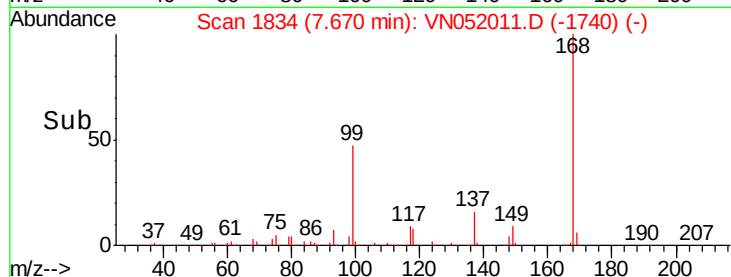
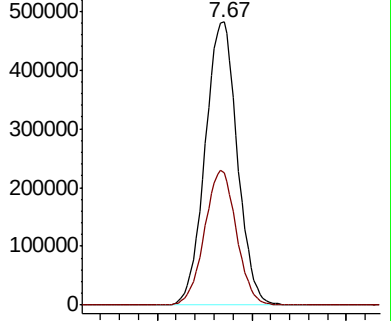
168 100

99 46.9 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 3.745 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN052011.D

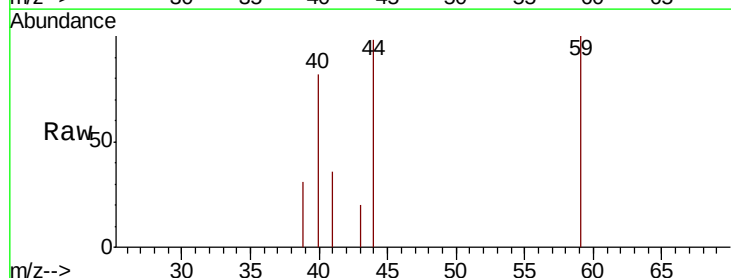
Acq: 25 Oct 2018 14:55

Tgt Ion: 59 Resp: 1968

Ion Ratio Lower Upper

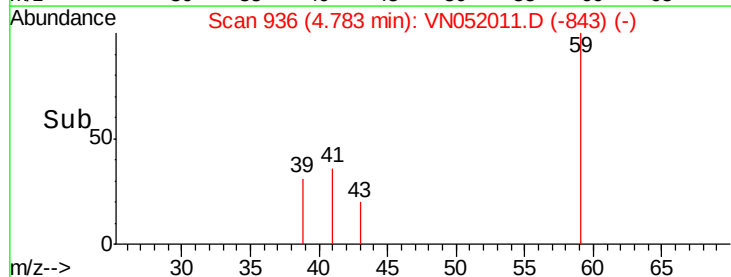
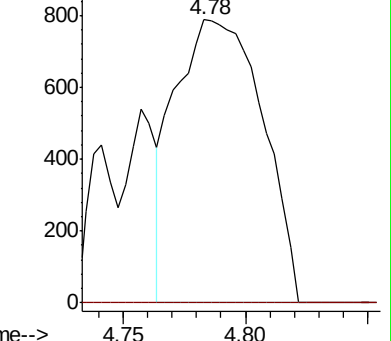
59 100

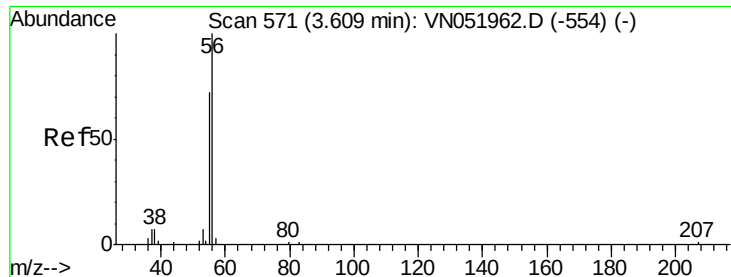
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 37.545 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

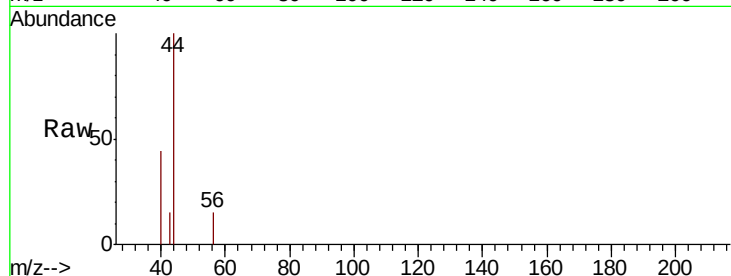
WS-DRUM

Tot Ion: 56 Resp: 97

Ion Ratio Lower Upper

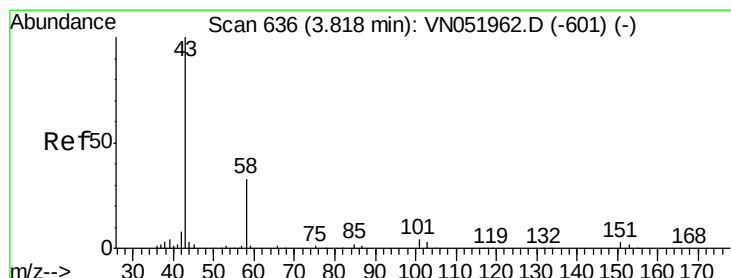
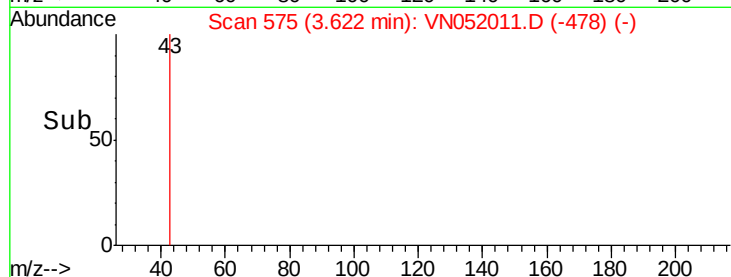
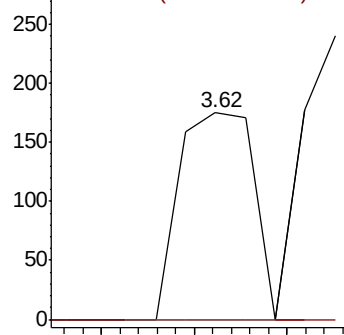
56 100

55 0.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 4.573 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052011.D

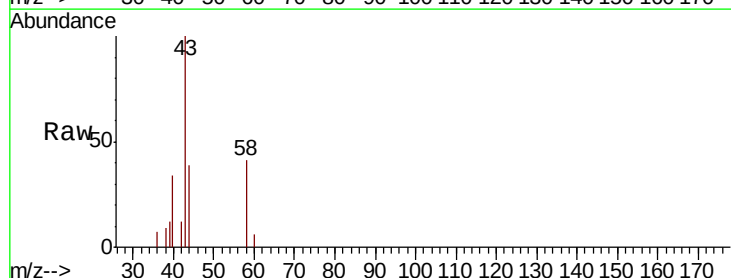
Acq: 25 Oct 2018 14:55

Tgt Ion: 43 Resp: 7651

Ion Ratio Lower Upper

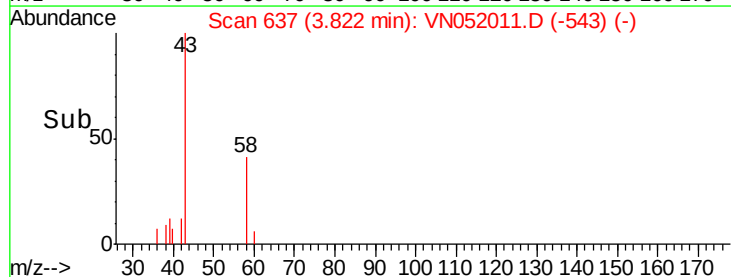
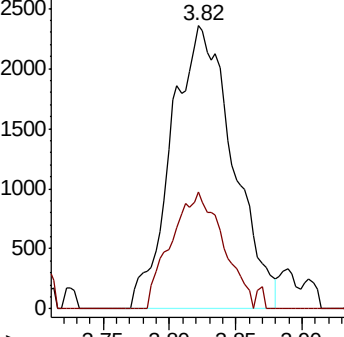
43 100

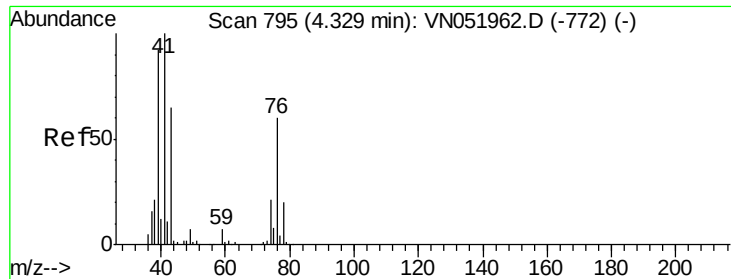
58 41.3 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

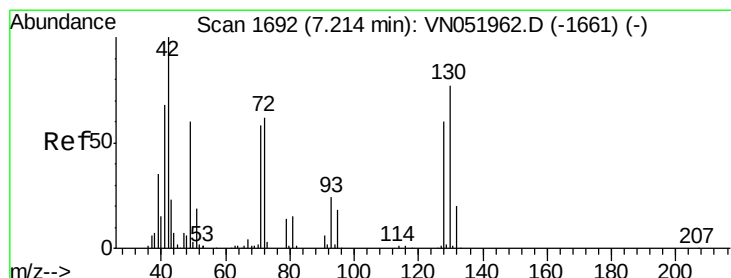
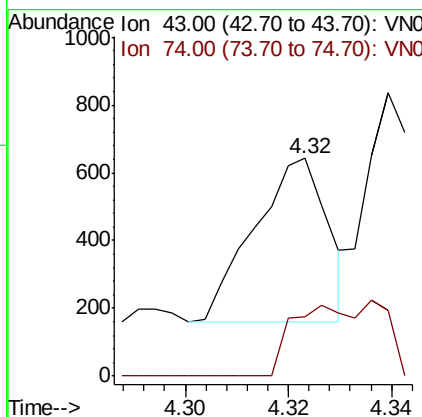
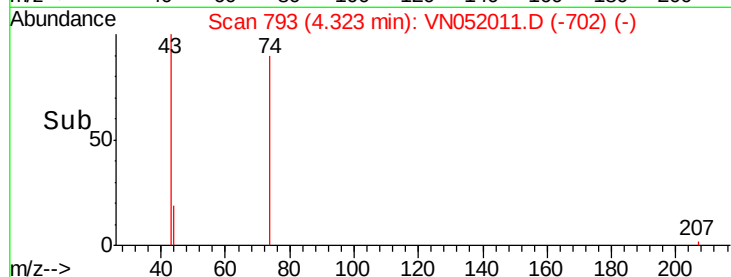
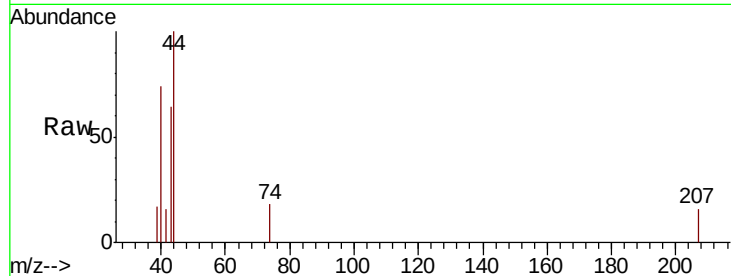




#18
Methvl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

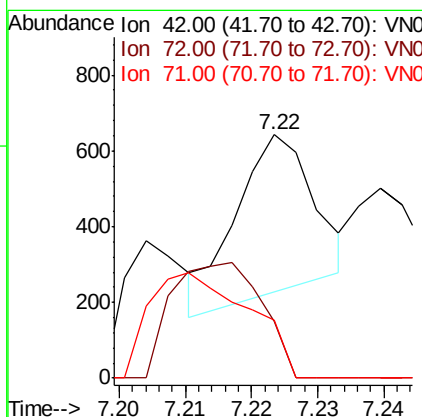
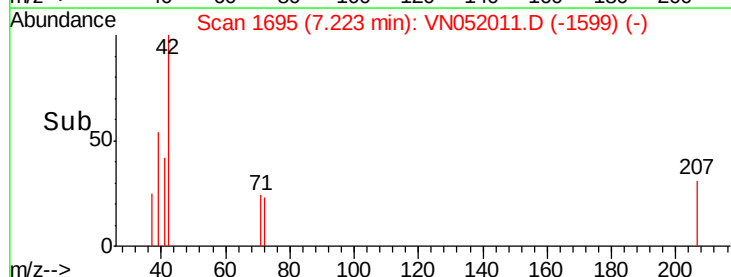
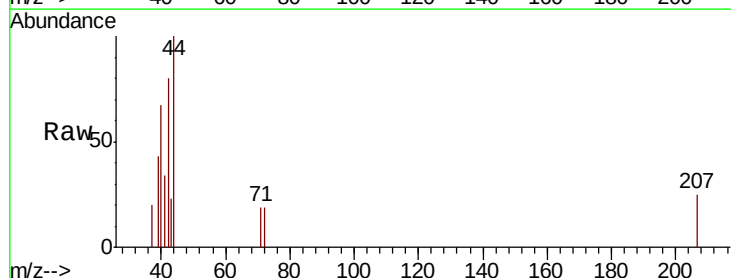
Instrument :
MSVOA_N
ClientSampled :
WS-DRUM

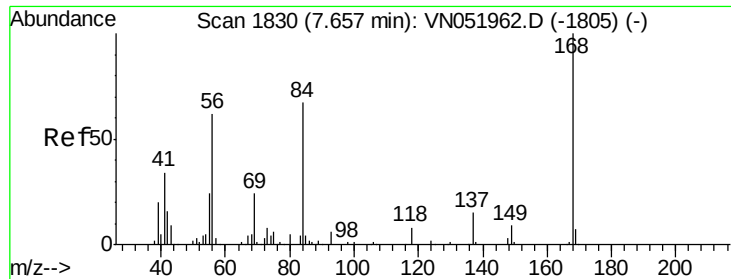
Tot Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
74 37.3 25.7 38.5



#29
Tetrahydrofuran
Concen: 0.213 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

Tgt Ion: 42 Resp: 344
Ion Ratio Lower Upper
42 100
72 83.7 47.5 71.3#
71 84.6 45.4 68.2#

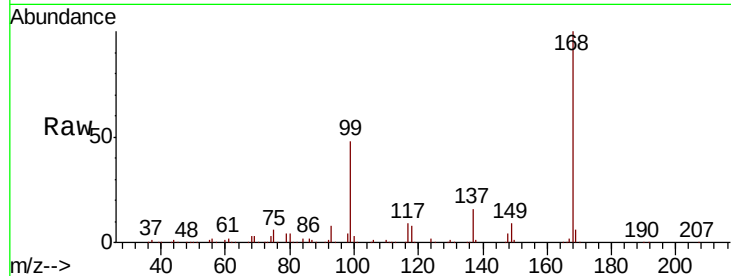




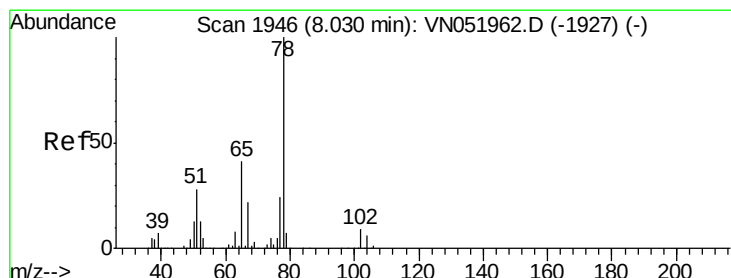
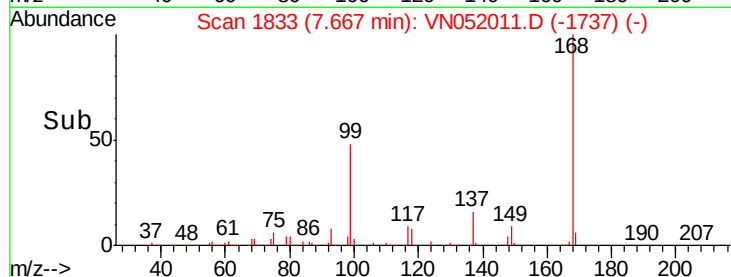
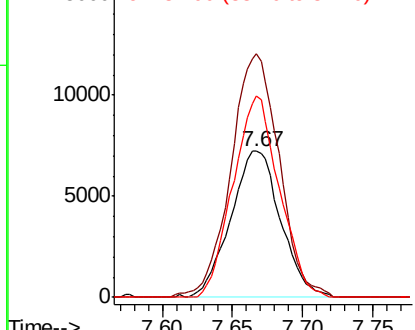
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
WS-DRUM

Tot Ion: 56 Resp: 17936
Ion Ratio Lower Upper
56 100
69 166.9 31.2 46.8#
84 138.5 86.3 129.5#

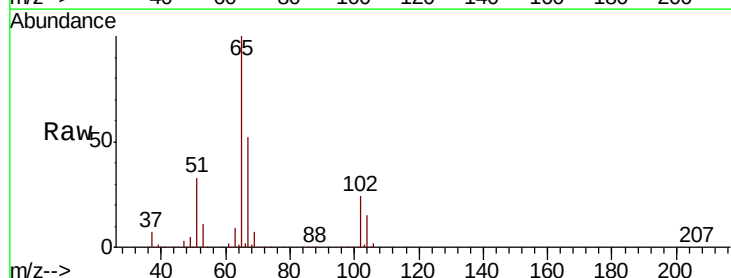


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

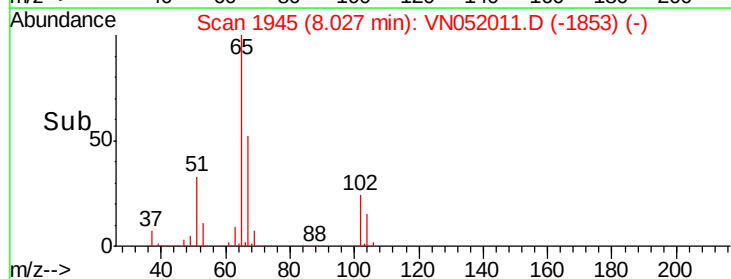
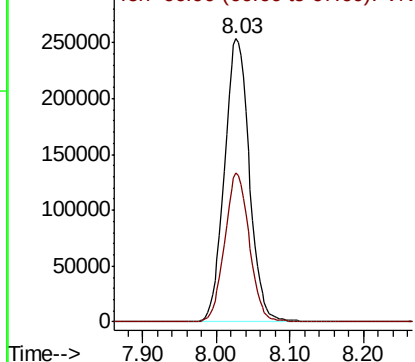


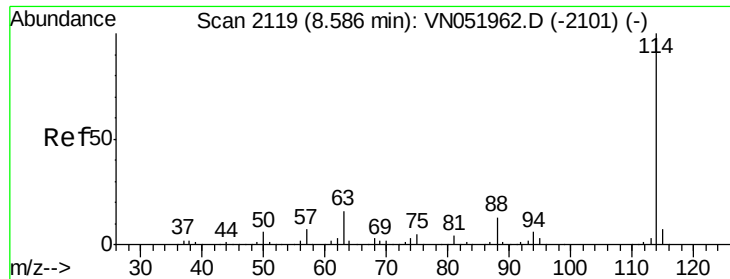
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

Tgt Ion: 65 Resp: 595021
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8



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

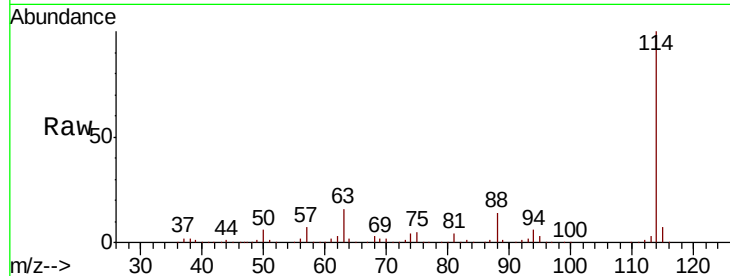




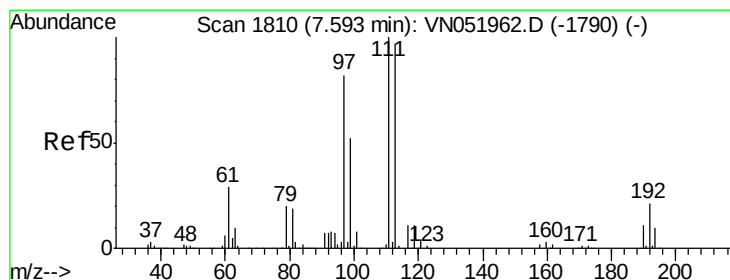
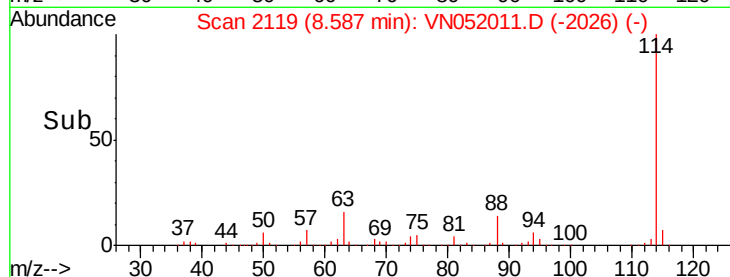
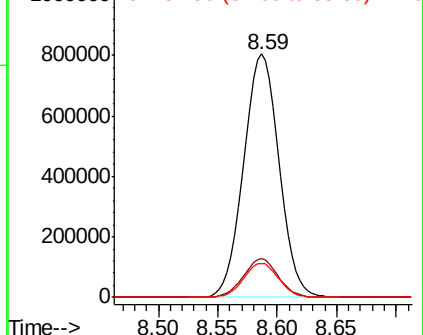
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052011.D
 Acq: 25 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-DRUM

Tot Ion:114 Resp: 1661414
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.2
 88 14.0 0.0 27.0

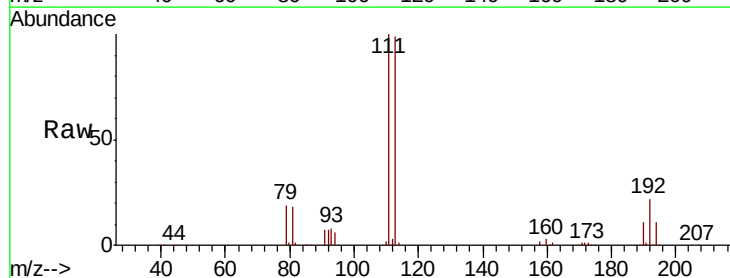


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

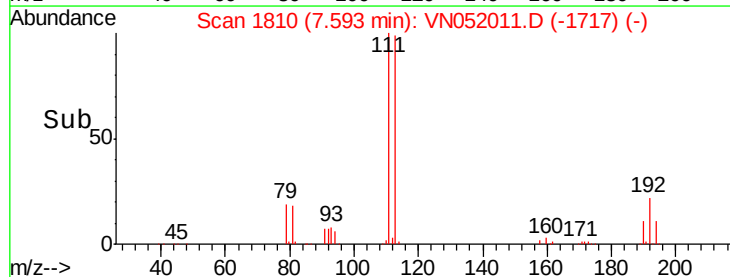
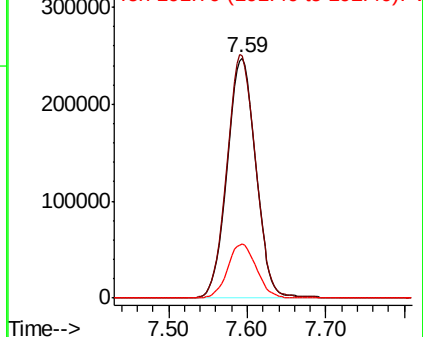


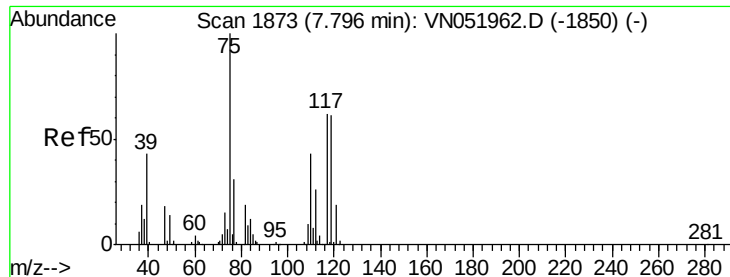
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052011.D
 Acq: 25 Oct 2018 14:55

Tgt Ion:113 Resp: 626171
 Ion Ratio Lower Upper
 113 100
 111 100.9 80.7 121.1
 192 22.5 17.2 25.8



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

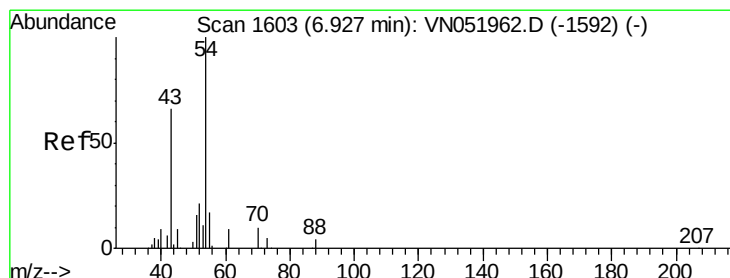
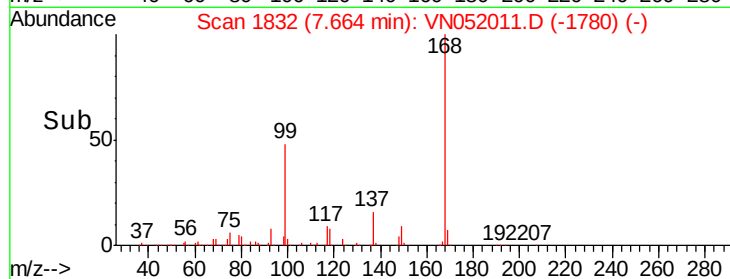
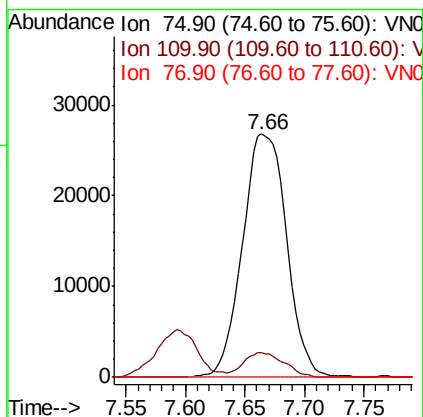
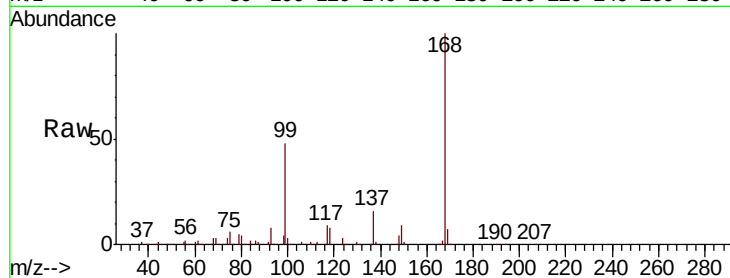




#36
 1,1-Dichloropropene
 Concen: 5.403 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052011.D
 Acq: 25 Oct 2018 14:55

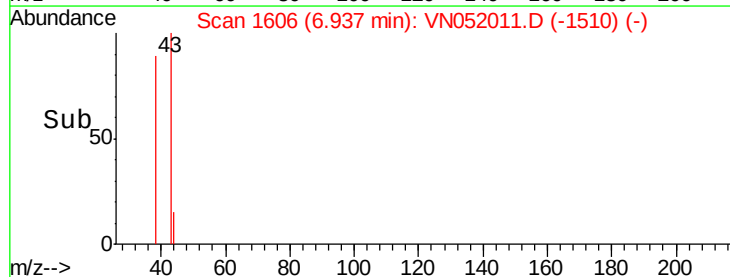
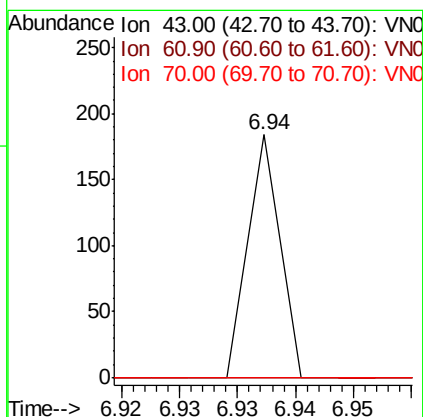
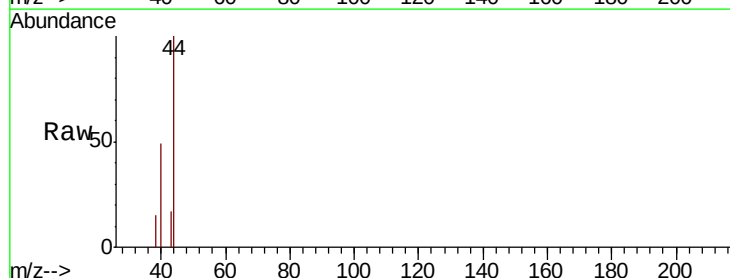
Instrument :
 MSVOA_N
 ClientSampled :
 WS-DRUM

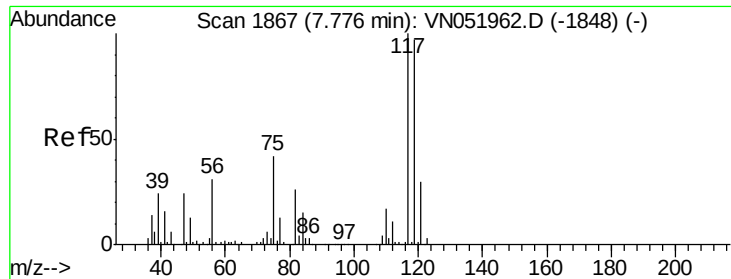
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	20.9	62.8#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN052011.D
 Acq: 25 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.5	20.3#
70	0.0	9.8	14.6#





#38

Carbon Tetrachloride

Concen: 6.867 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

WS-DRUM

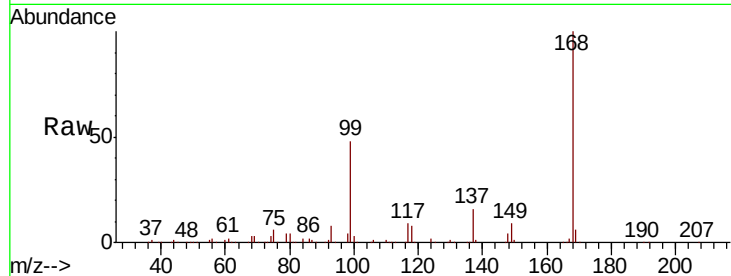
Tot Ion:117 Resp: 100465

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

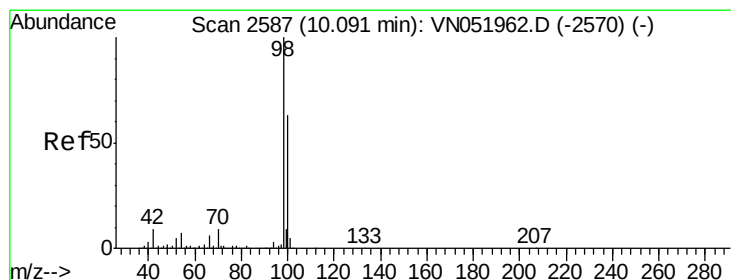
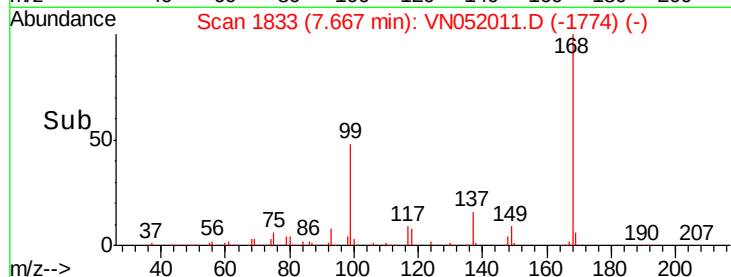
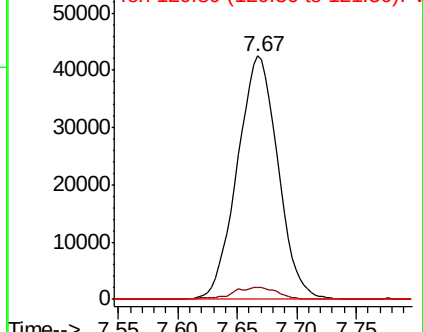
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052011.D

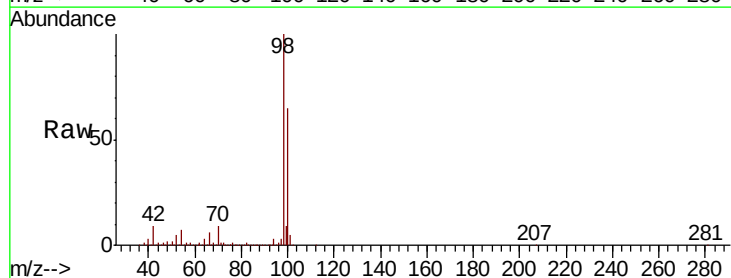
Acq: 25 Oct 2018 14:55

Tgt Ion: 98 Resp: 2287722

Ion Ratio Lower Upper

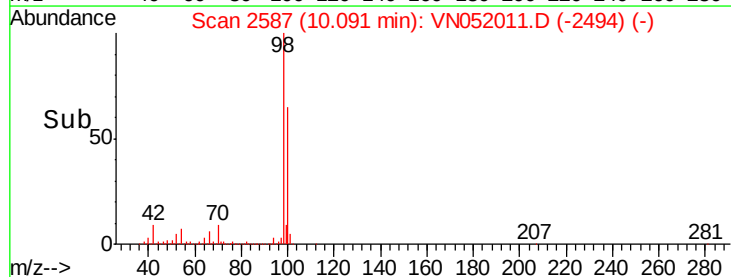
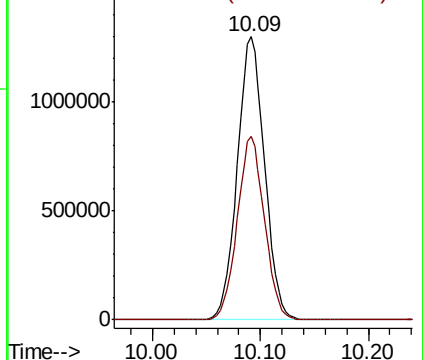
98 100

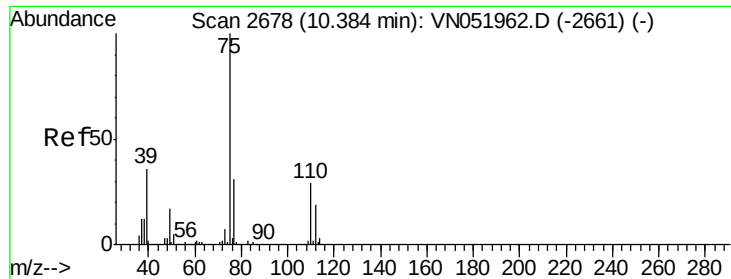
100 64.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#53

t-1,3-Dichloropropene

Concen: 1.249 ug/l

RT: 10.50 min Scan# 2714

Delta R.T. 0.12 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

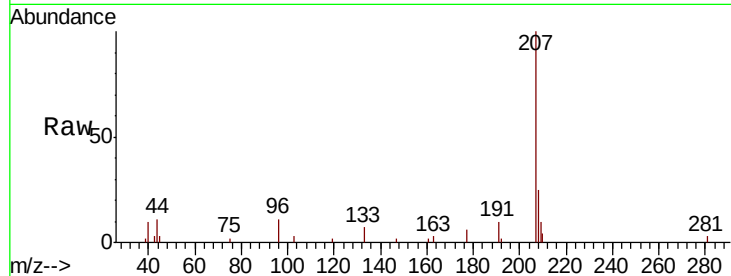
WS-DRUM

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

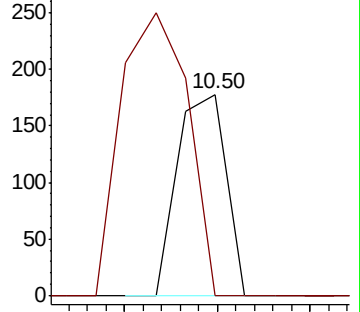
75 100

77 0.0 25.0 37.4#

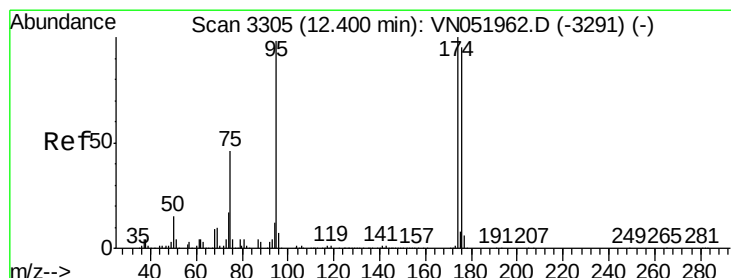
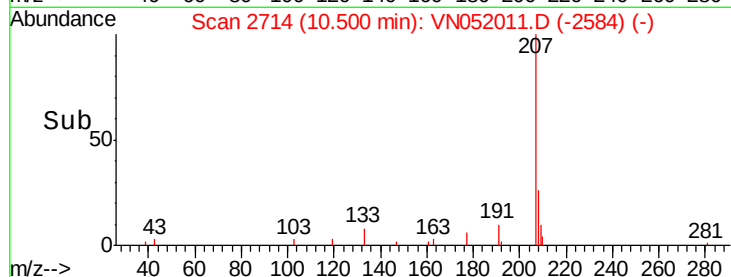


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

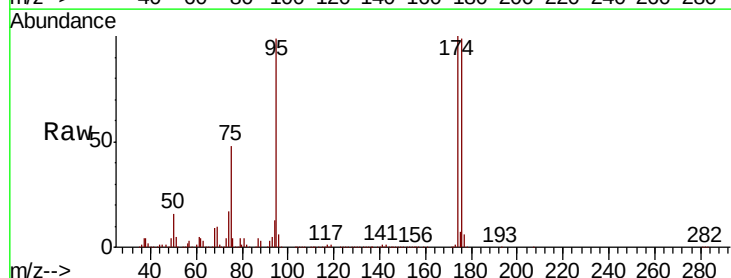
Tgt Ion: 95 Resp: 727862

Ion Ratio Lower Upper

95 100

174 102.4 0.0 206.0

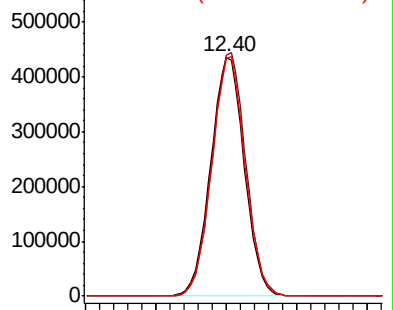
176 99.4 0.0 198.0



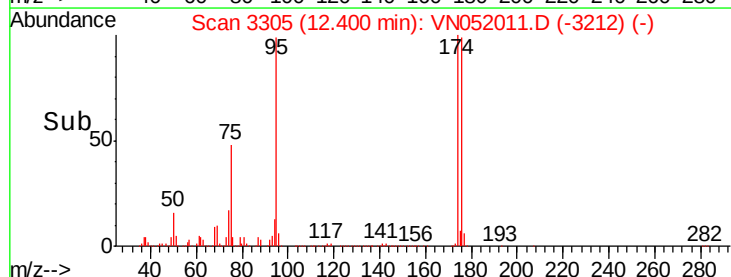
Abundance Ion 94.90 (94.60 to 95.60): VN0

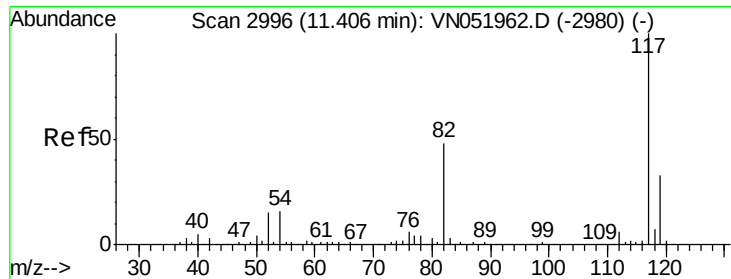
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

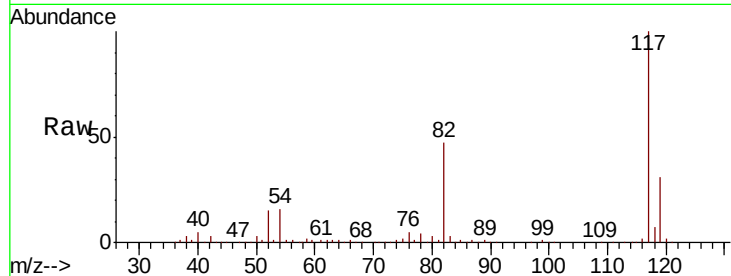




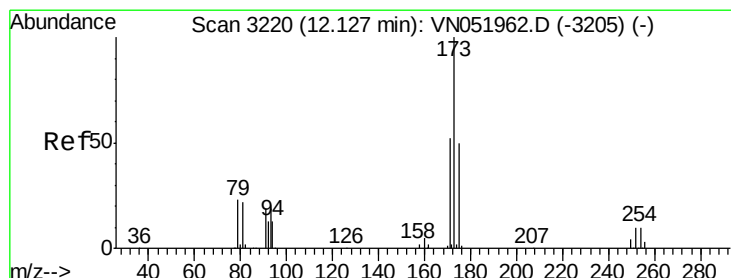
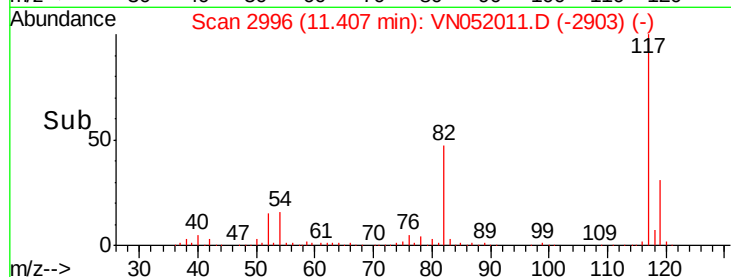
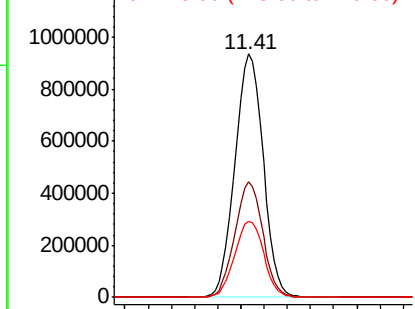
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
WS-DRUM

Tot Ion:117 Resp: 1579531
Ion Ratio Lower Upper
117 100
82 47.3 38.1 57.1
119 31.4 26.4 39.6

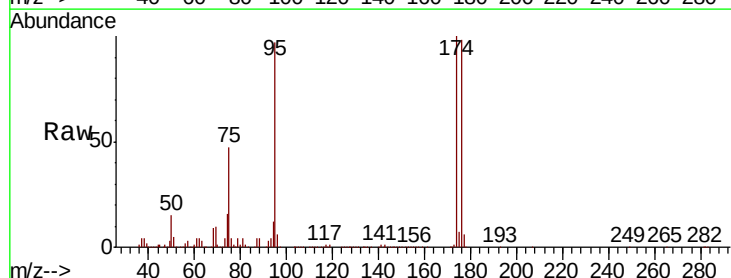


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

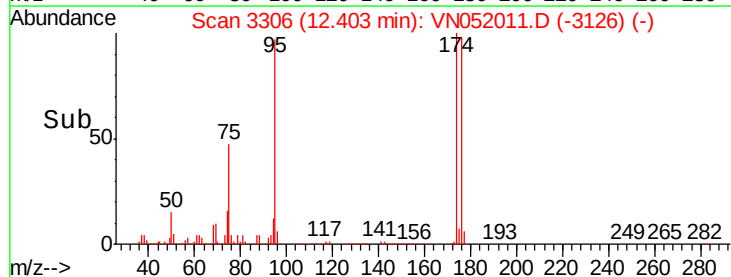
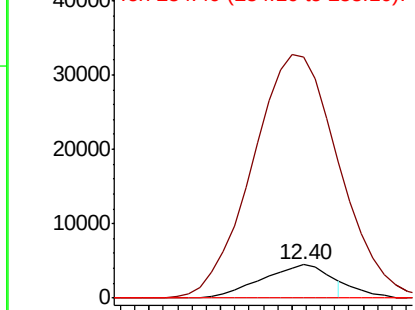


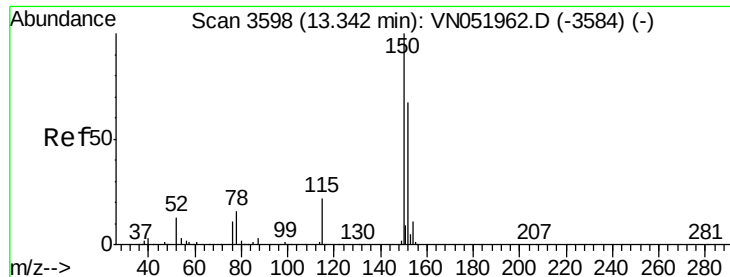
#71
Bromoform
Concen: 4.336 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052011.D
Acq: 25 Oct 2018 14:55

Tgt Ion:173 Resp: 5893
Ion Ratio Lower Upper
173 100
175 824.5 24.6 74.0#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

WS-DRUM

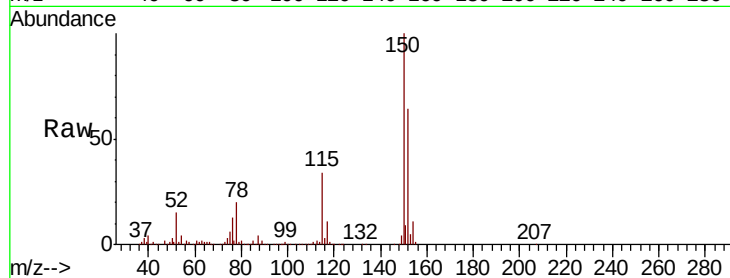
Tot Ion:152 Resp: 739590

Ion Ratio Lower Upper

152 100

115 52.7 25.8 77.3

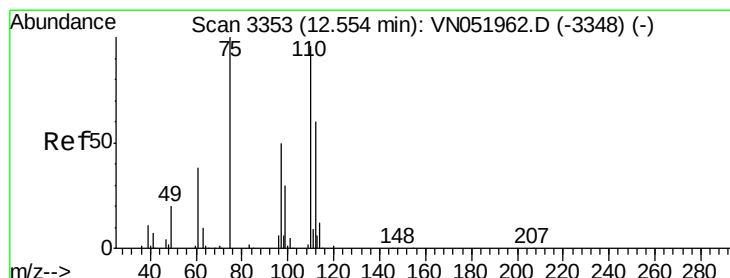
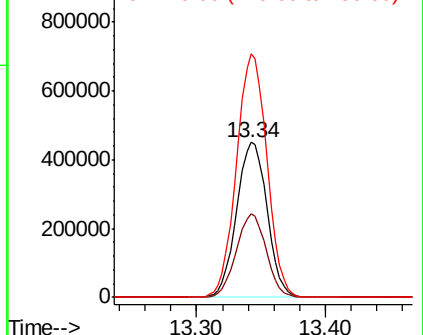
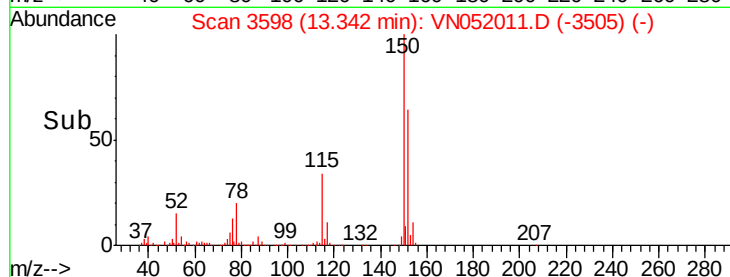
150 156.8 0.0 344.4



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: 46.103 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052011.D

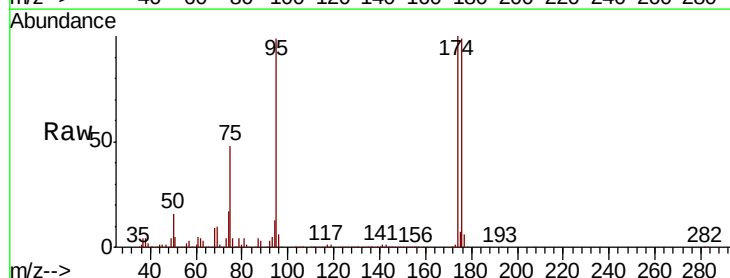
Acq: 25 Oct 2018 14:55

Tgt Ion: 75 Resp: 352208

Ion Ratio Lower Upper

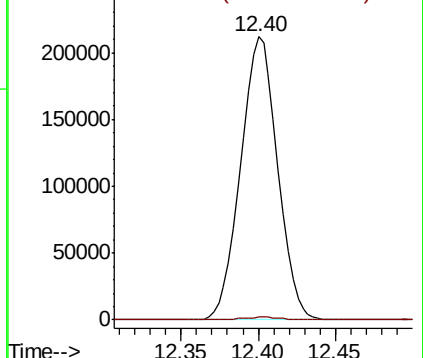
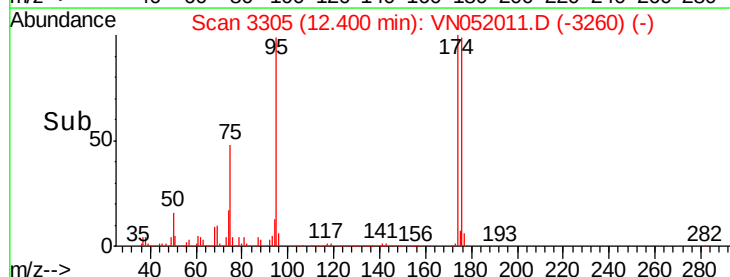
75 100

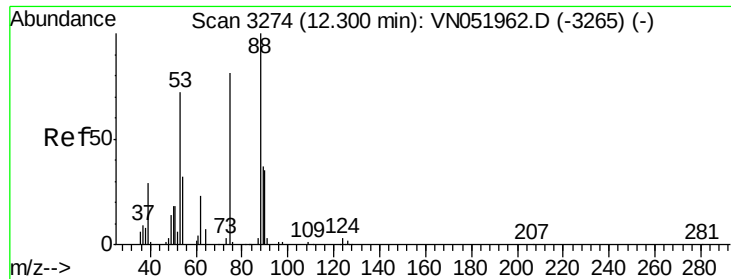
77 1.0 0.0 0.0#



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: 145.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052011.D

Acq: 25 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

WS-DRUM

Tot Ion: 75 Resp: 352208

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#

