

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052006.D
 Acq On : 25 Oct 2018 12:41
 Operator : MD\SY
 Sample : PB114157ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157ZHE#03

Quant Time: Oct 26 01:11:14 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	1107612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1612249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1530188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	703692	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	575513	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	
35) Dibromofluoromethane	7.59	113	582470	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
50) Toluene-d8	10.09	98	2226714	59.89	ug/l	0.00
Spiked Amount			Recovery	=	119.78%	
62) 4-Bromofluorobenzene	12.40	95	704208	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	

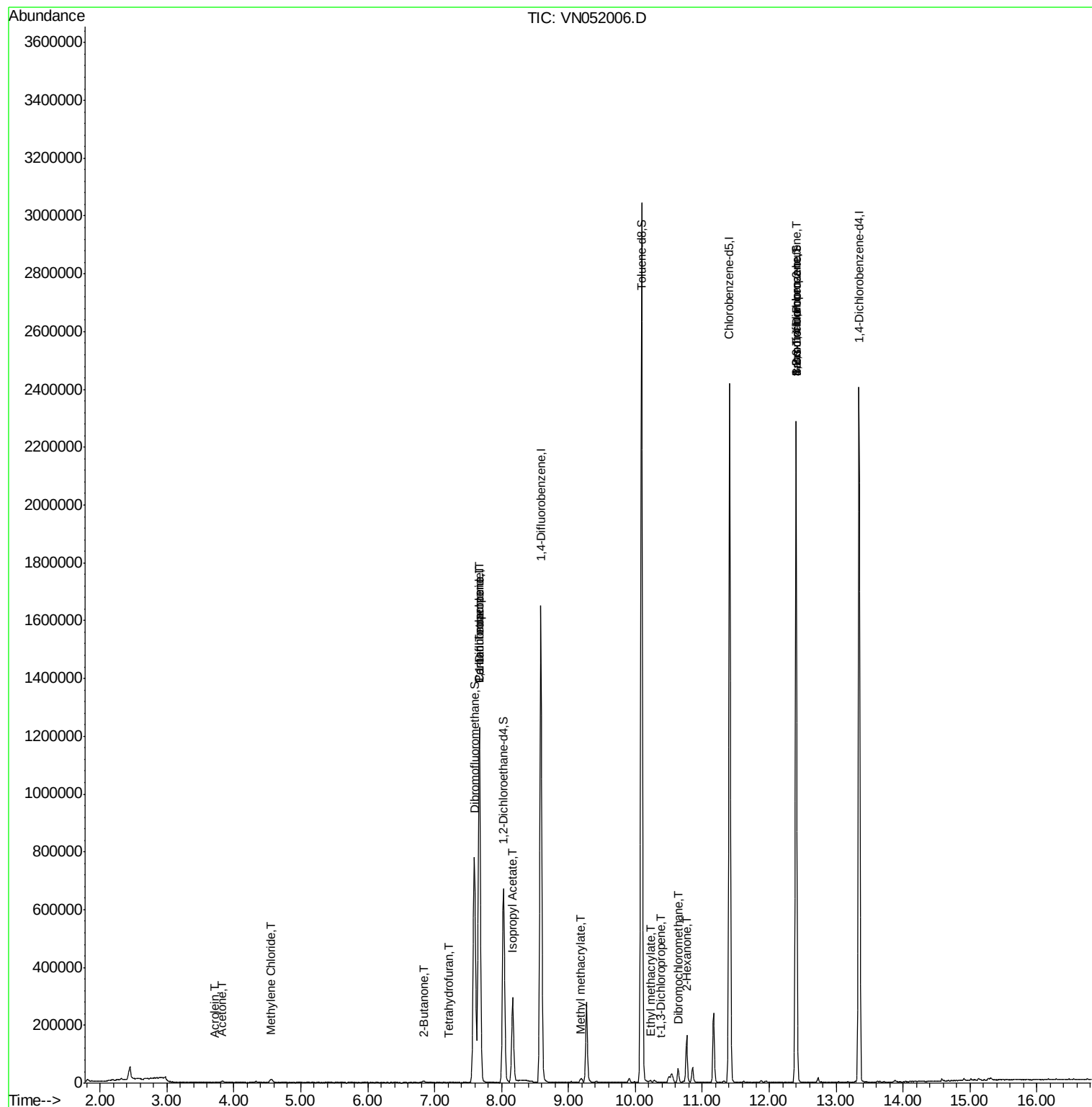
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.72	56	64	37.458	ug/l #	14
16) Acetone	3.83	43	7791	4.794	ug/l	96
18) Methyl Acetate	4.33	43	6297	Below Cal	#	81
20) Methylene Chloride	4.56	84	5750	0.603	ug/l #	93
25) 2-Butanone	6.85	43	2374	1.025	ug/l #	77
29) Tetrahydrofuran	7.21	42	417	0.266	ug/l #	39
31) Cyclohexane	7.66	56	17849	Below Cal	#	30
36) 1,1-Dichloropropene	7.67	75	65054	5.260	ug/l #	48
37) Ethyl Acetate	6.92	43	593	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	94370	6.647	ug/l #	16
43) Isopropyl Acetate	8.17	43	318879	30.788	ug/l	99
48) Methyl methacrylate	9.18	41	8155	1.629	ug/l #	12
53) t-1,3-Dichloropropene	10.39	75	104	1.252	ug/l #	43
56) Ethyl methacrylate	10.22	69	3261	0.330	ug/l #	84
59) 2-Hexanone	10.77	43	21606	5.644	ug/l #	54
60) Dibromochloromethane	10.64	129	193	1.993	ug/l #	11
71) Bromoform	12.40	173	6149	4.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	342221	47.081	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	342221	148.097	ug/l #	12

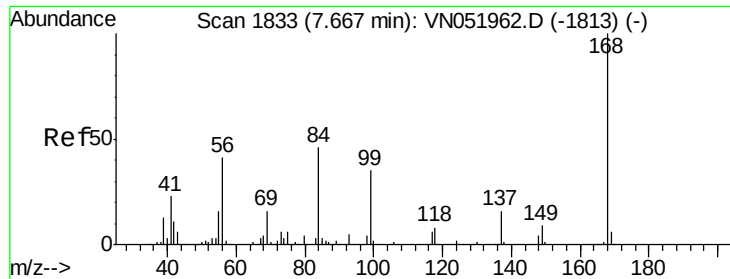
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 10:12:55 2018
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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: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

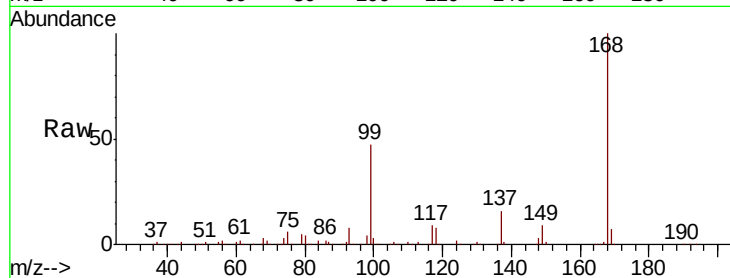
PB114157ZHE#03

Tot Ion:168 Resp: 1107612

Ion Ratio Lower Upper

168 100

99 46.9 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

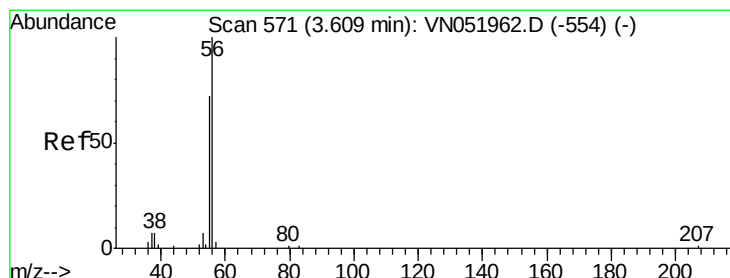
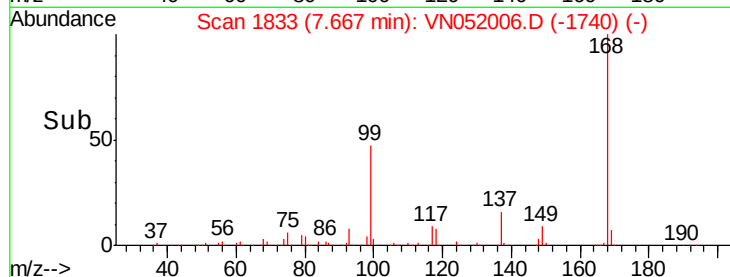
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 37.458 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.11 min

Lab File: VN052006.D

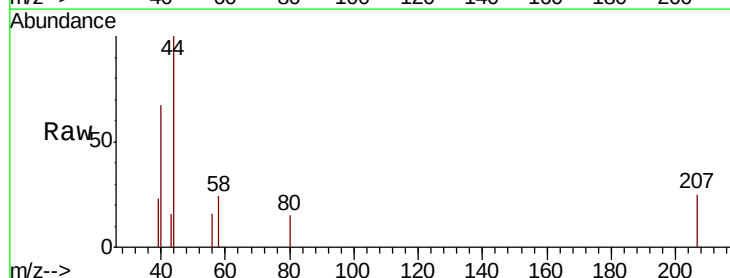
Acq: 25 Oct 2018 12:41

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)

3.72

200

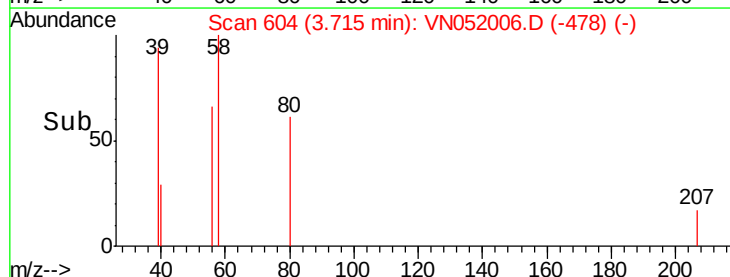
150

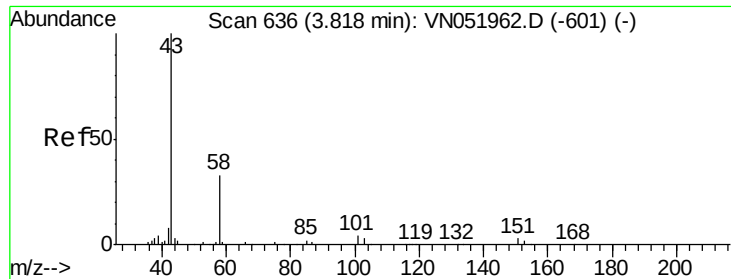
100

50

0

Time-->





#16

Acetone

Concen: 4.794 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

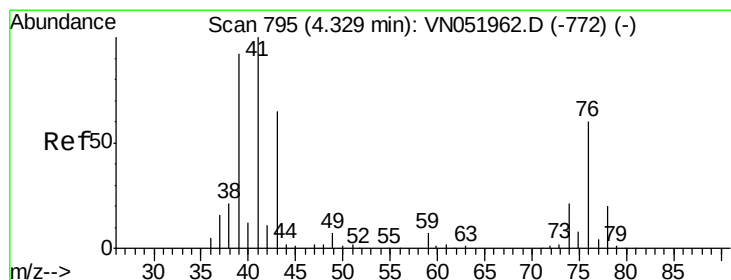
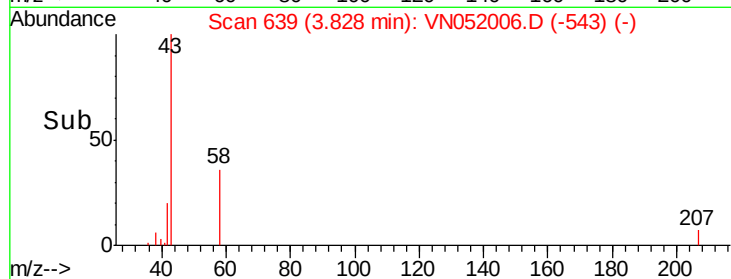
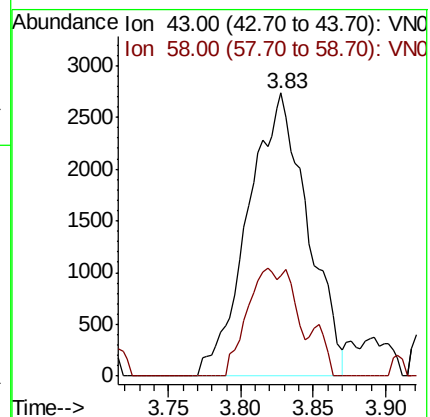
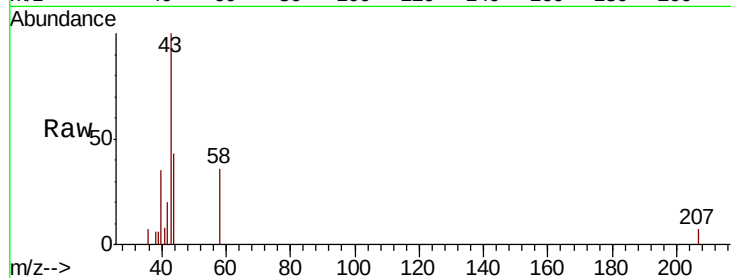
PB114157ZHE#03

Tot Ion: 43 Resp: 7791

Ion Ratio Lower Upper

43 100

58 35.5 26.7 40.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052006.D

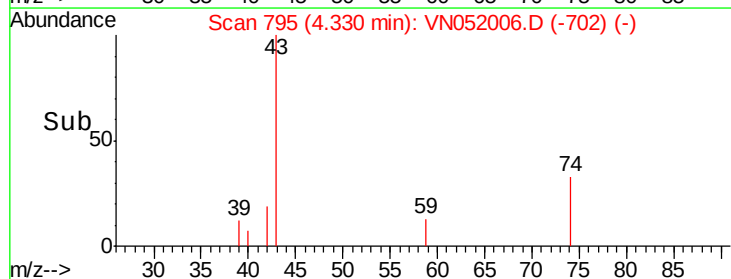
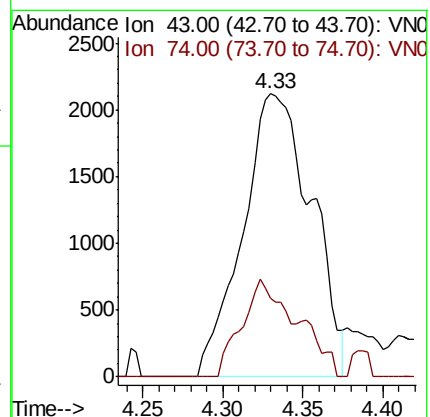
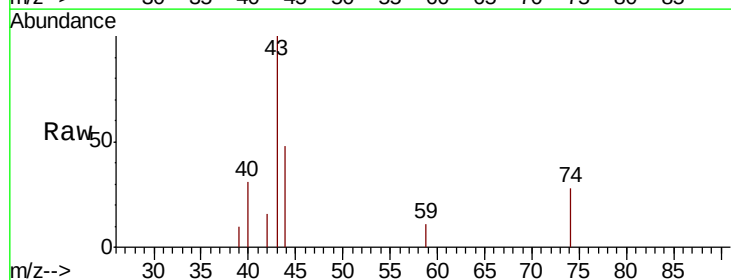
Acq: 25 Oct 2018 12:41

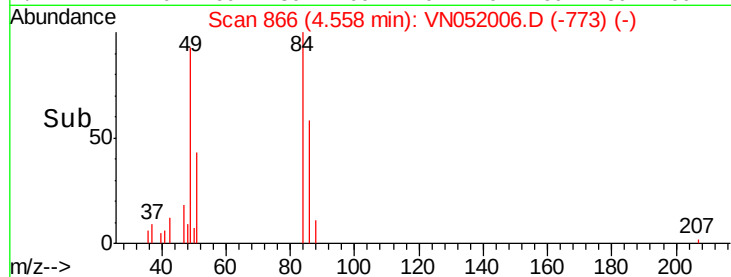
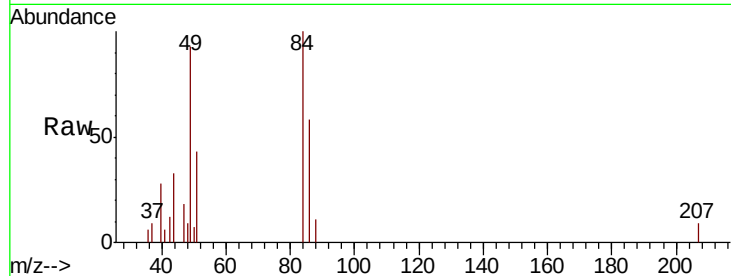
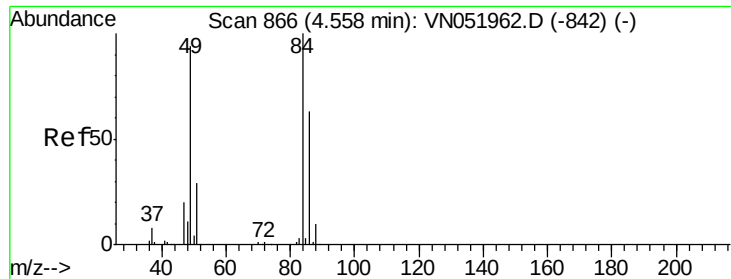
Tgt Ion: 43 Resp: 6297

Ion Ratio Lower Upper

43 100

74 21.4 25.7 38.5#

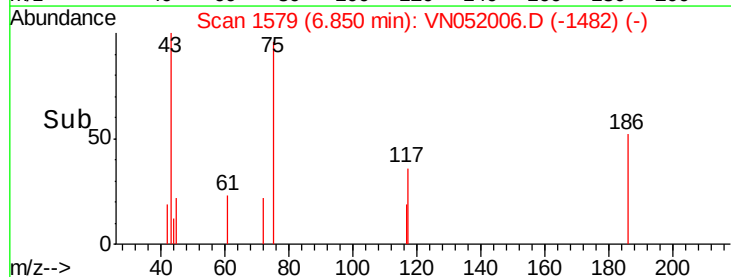
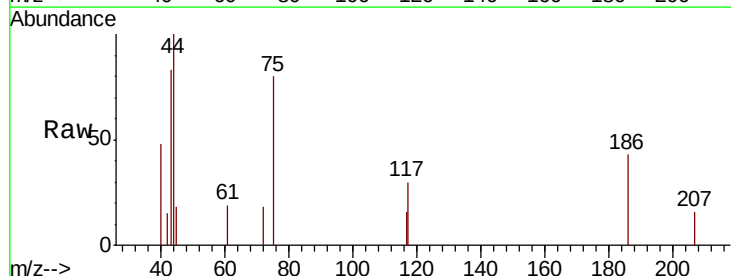
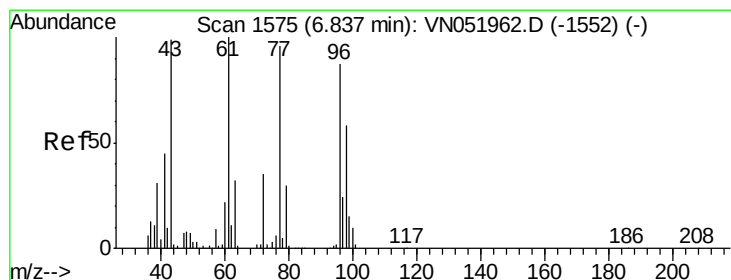
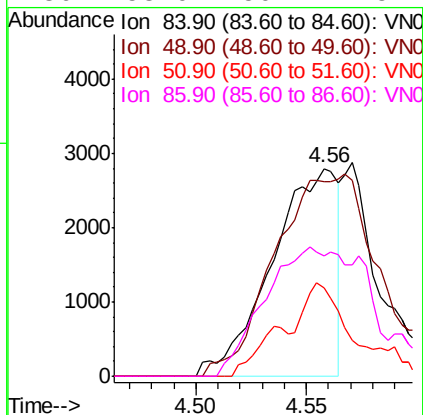




#20
Methylene Chloride
Concen: 0.603 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

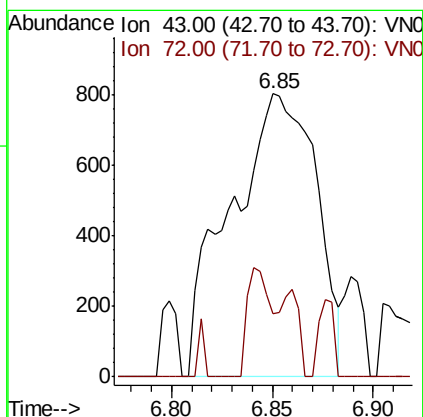
Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#03

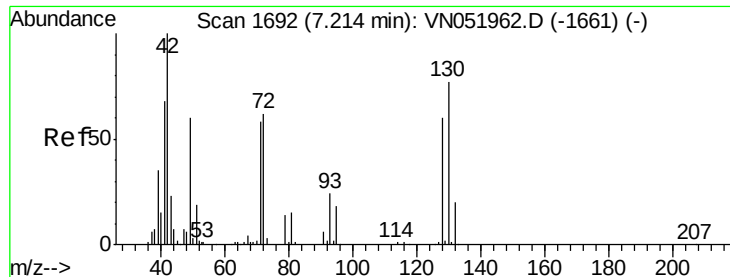
Tot Ion:	84	Resp:	5750
Ion	Ratio	Lower	Upper
84	100		
49	93.4	75.4	113.0
51	42.8	23.1	34.7#
86	58.0	50.2	75.4



#25
2-Butanone
Concen: 1.025 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

Tgt Ion:	43	Resp:	2374
Ion	Ratio	Lower	Upper
43	100		
72	22.3	28.5	42.7#





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#03

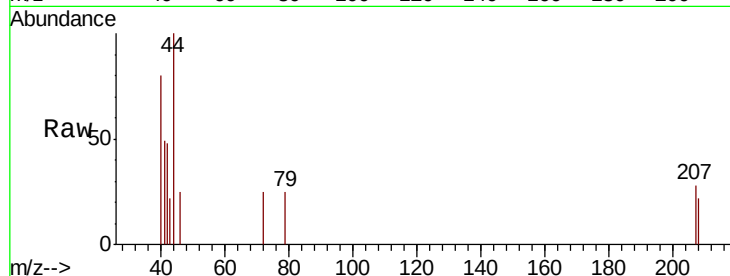
Tot Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 0.0 47.5 71.3#

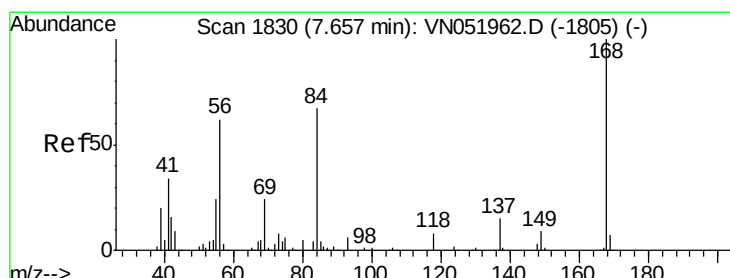
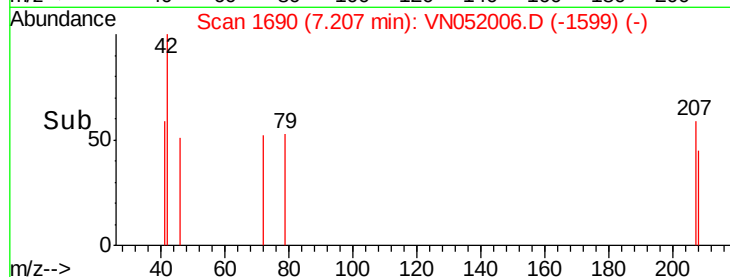
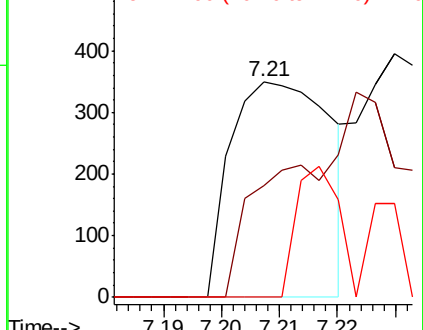
71 25.9 45.4 68.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

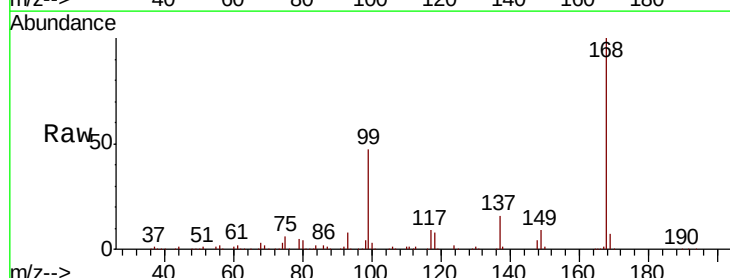
Tgt Ion: 56 Resp: 17849

Ion Ratio Lower Upper

56 100

69 149.7 31.2 46.8#

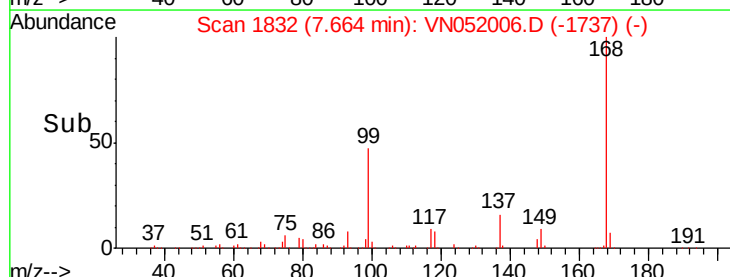
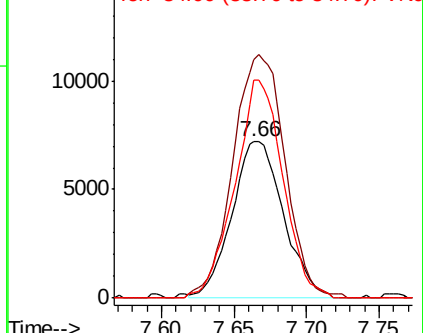
84 139.4 86.3 129.5#

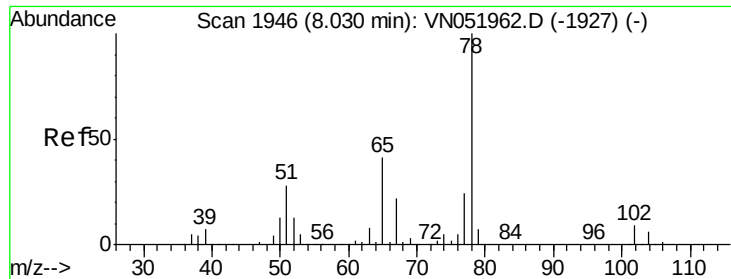


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

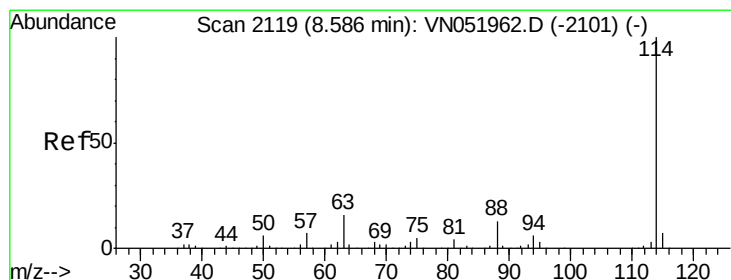
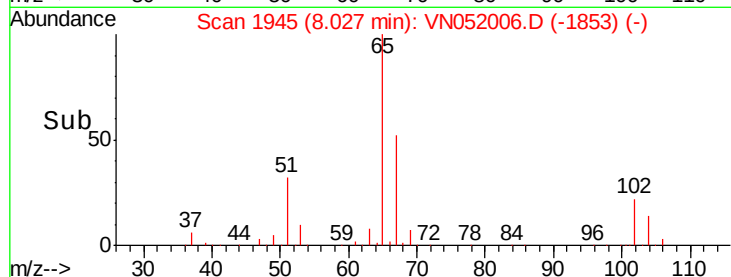
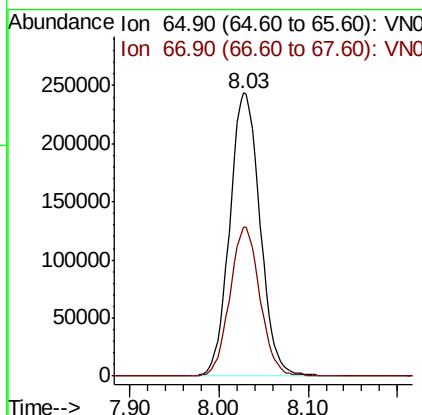
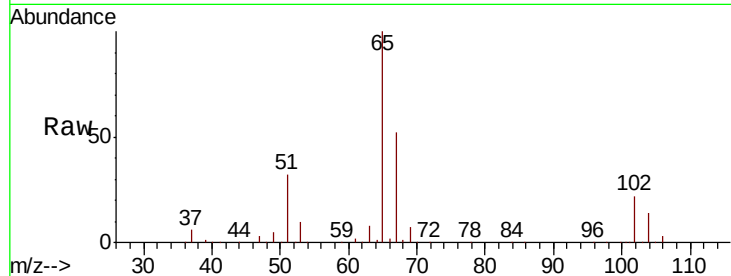




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052006.D
 Acq: 25 Oct 2018 12:41

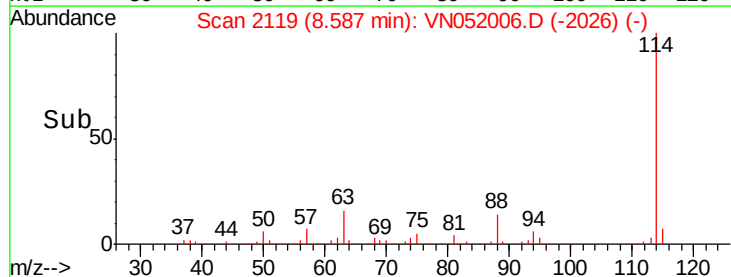
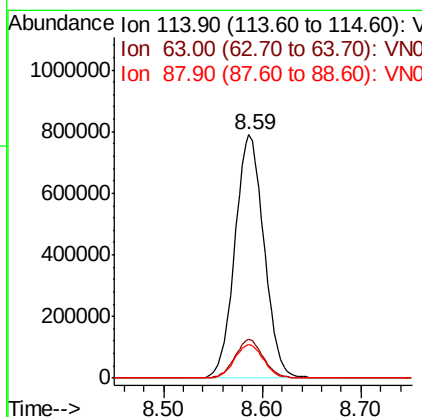
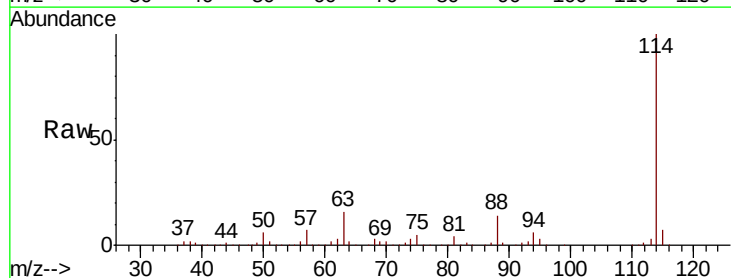
Instrument :
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 PB114157ZHE#03

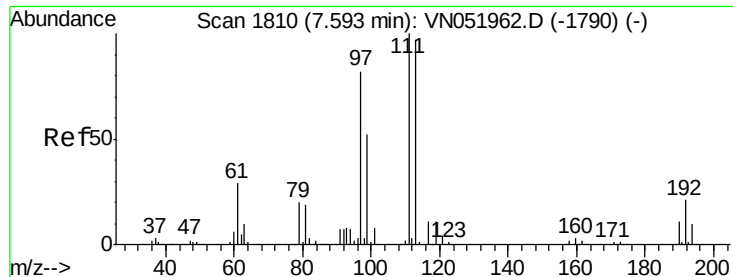
Tot Ion: 65 Resp: 575513
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052006.D
 Acq: 25 Oct 2018 12:41

Tgt Ion: 114 Resp: 1612249
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 13.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#03

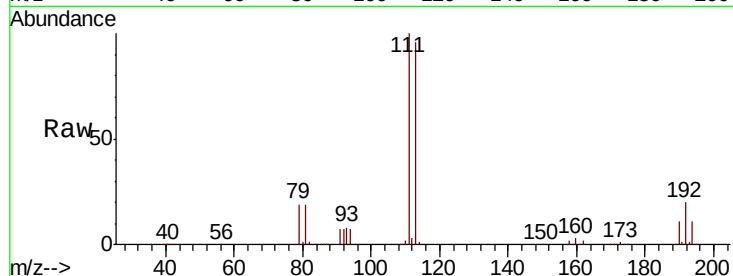
Tot Ion:113 Resp: 582470

Ion Ratio Lower Upper

113 100

111 103.5 80.7 121.1

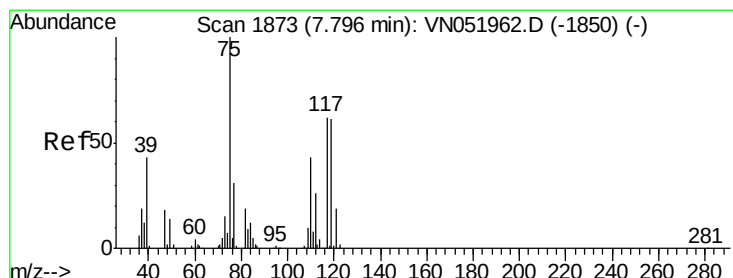
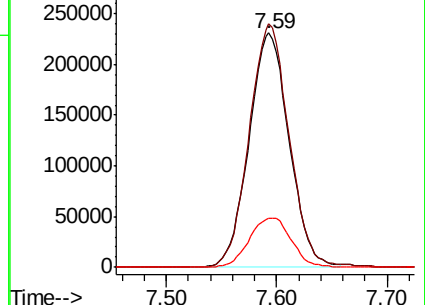
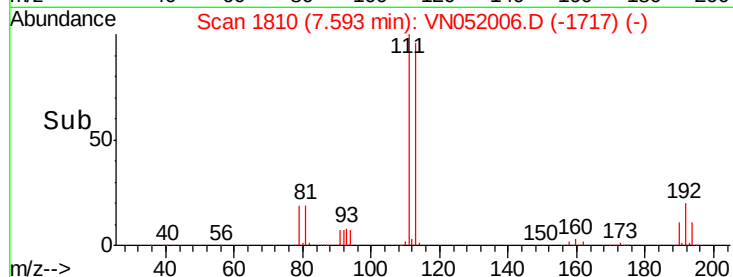
192 22.1 17.2 25.8



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: 5.260 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

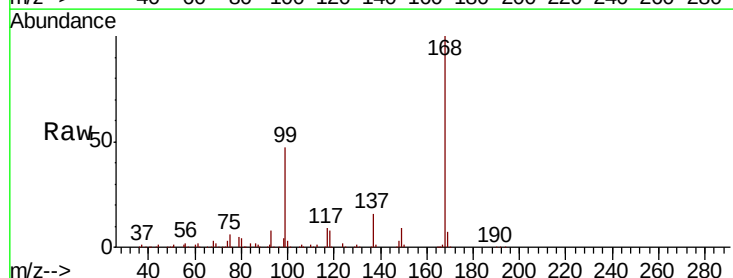
Tgt Ion: 75 Resp: 65054

Ion Ratio Lower Upper

75 100

110 10.8 20.9 62.8#

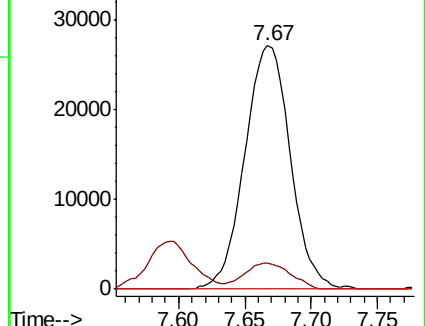
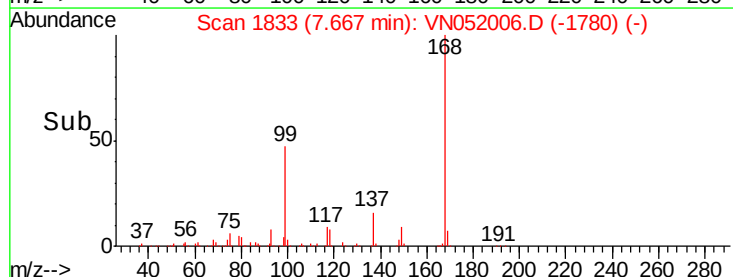
77 0.0 24.9 37.3#

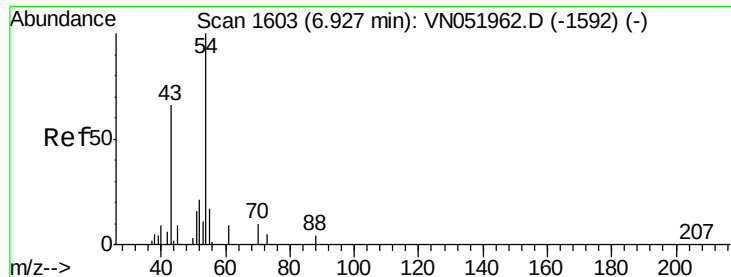


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

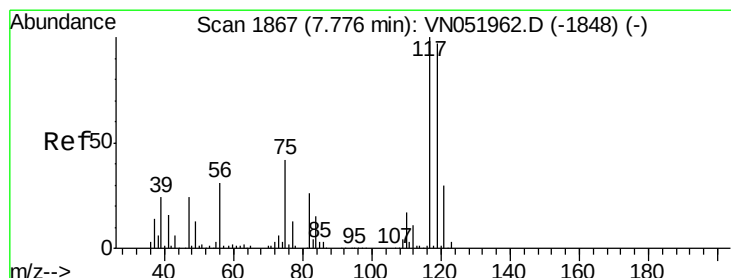
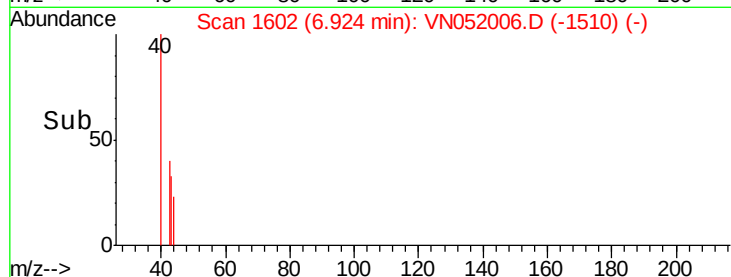
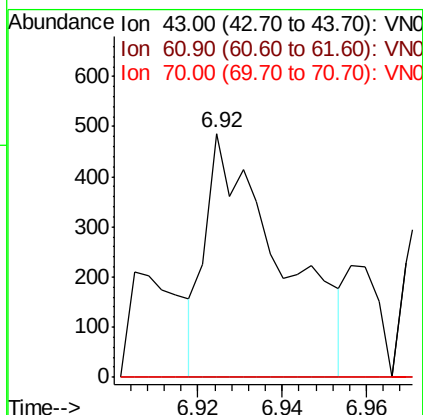
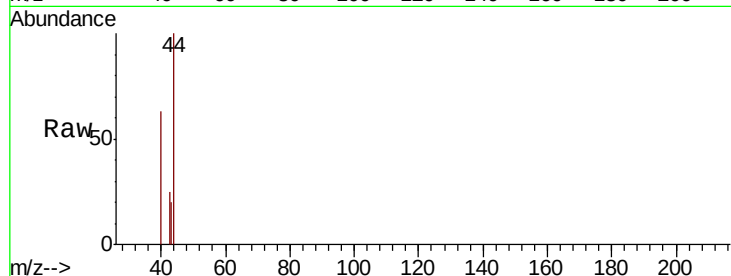




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

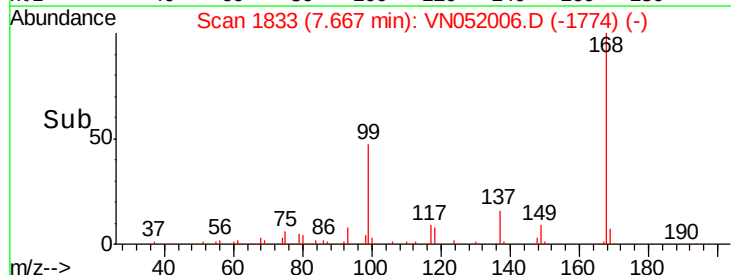
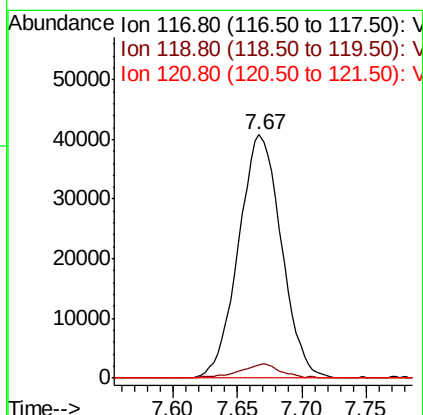
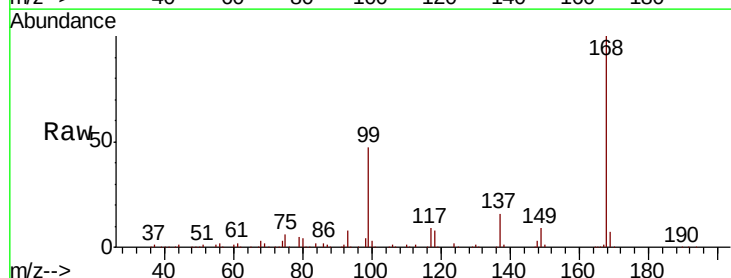
Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#03

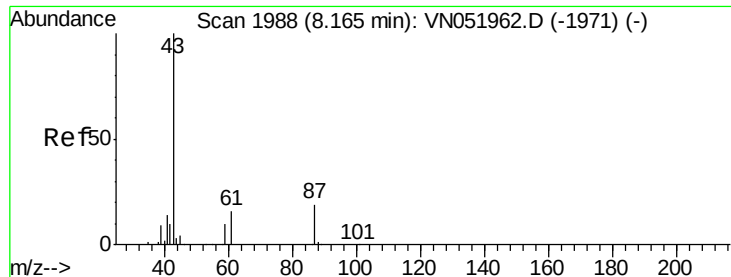
Tot Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
61 0.0 13.5 20.3#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.647 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

Tgt Ion: 117 Resp: 94370
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 30.788 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#03

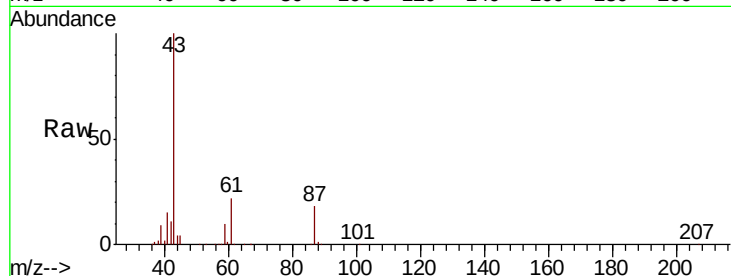
Tot Ion: 43 Resp: 318879

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

87 18.6 15.2 22.8

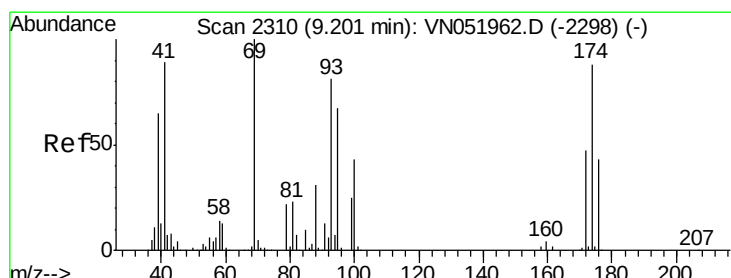
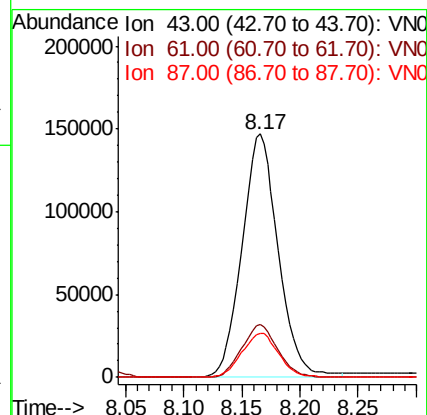
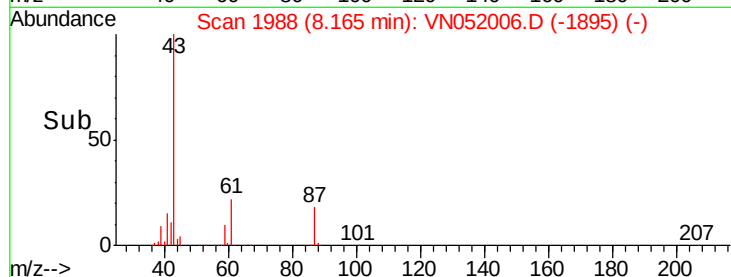


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.629 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

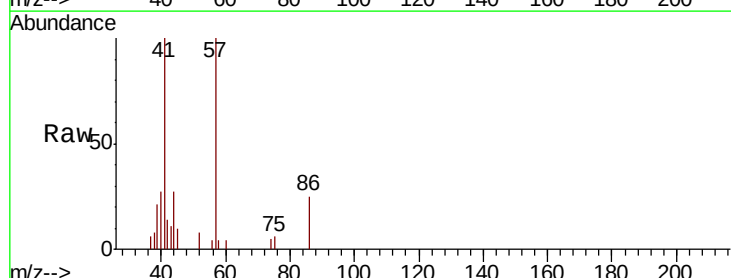
Tgt Ion: 41 Resp: 8155

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

39 23.1 60.2 90.4#

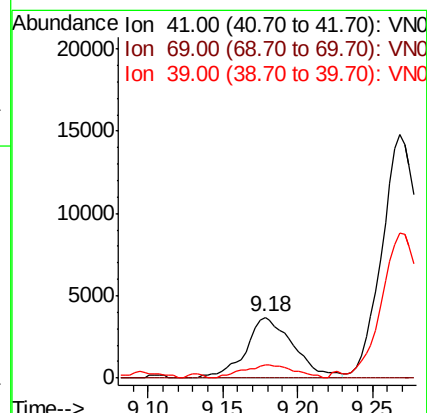
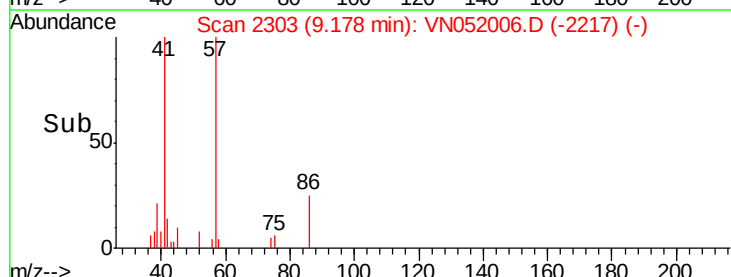


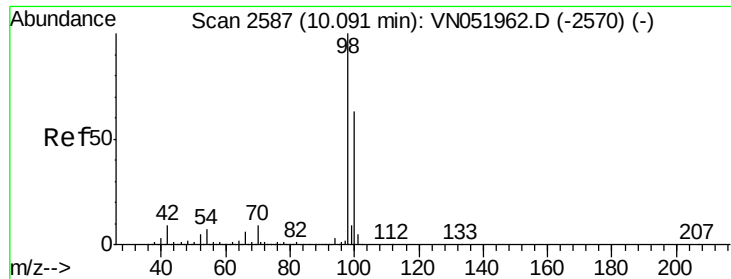
Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

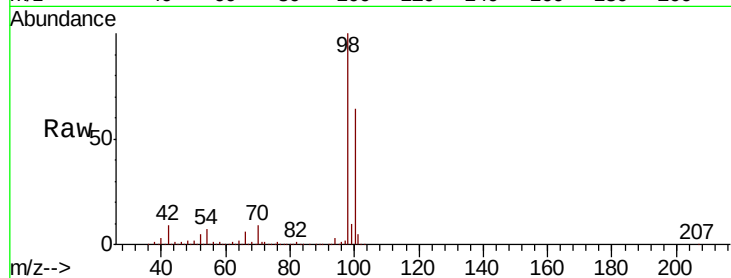
PB114157ZHE#03

Tot Ion: 98 Resp: 2226714

Ion Ratio Lower Upper

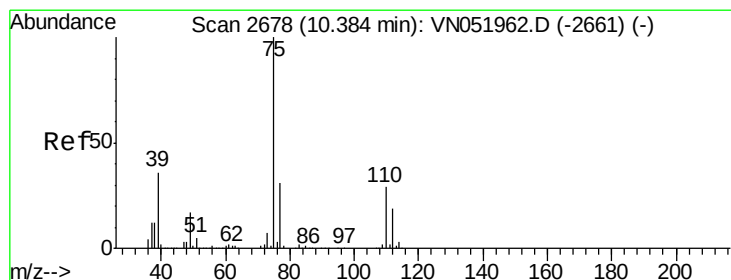
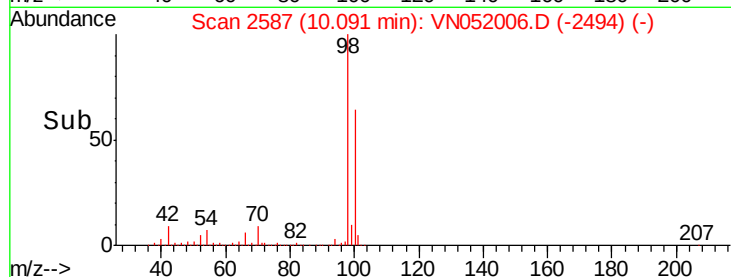
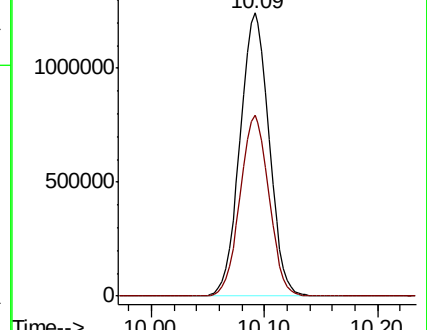
98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)



#53

t-1,3-Dichloropropene

Concen: 1.252 ug/l

RT: 10.39 min Scan# 2681

Delta R.T. 0.01 min

Lab File: VN052006.D

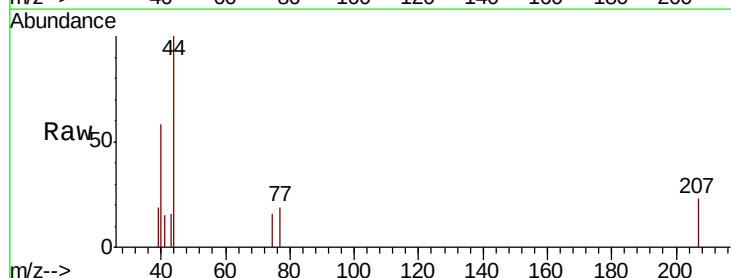
Acq: 25 Oct 2018 12:41

Tgt Ion: 75 Resp: 104

Ion Ratio Lower Upper

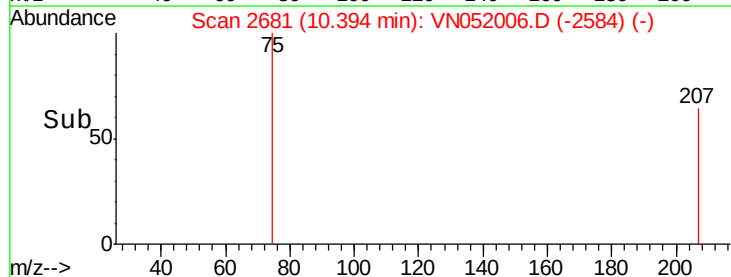
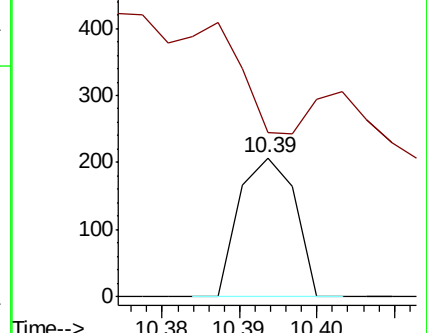
75 100

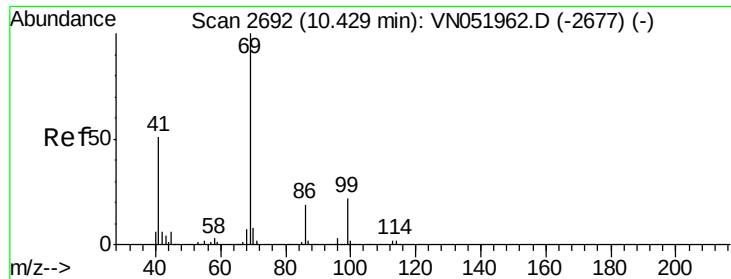
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN051962.D (-2661) (-)

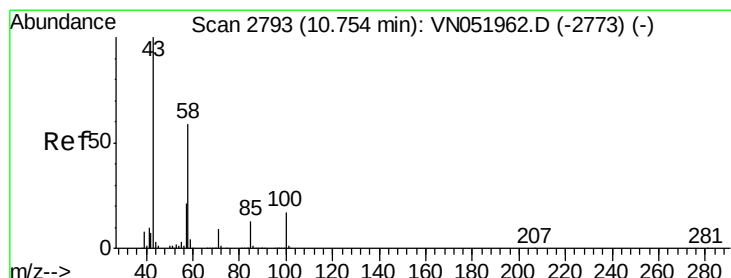
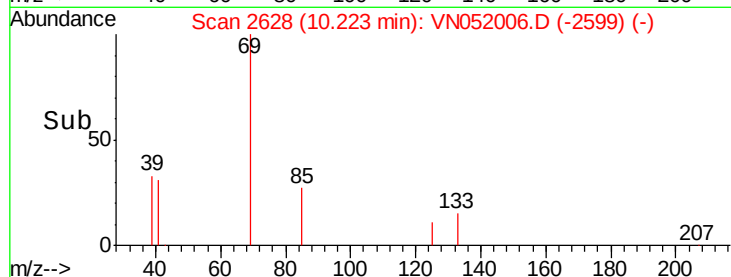
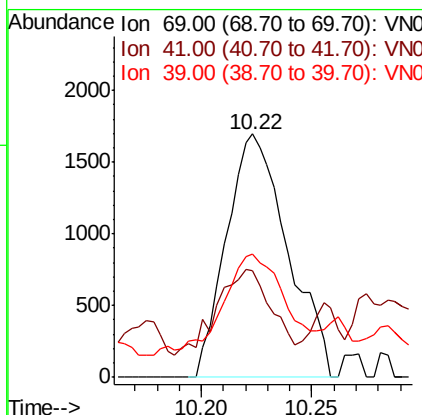
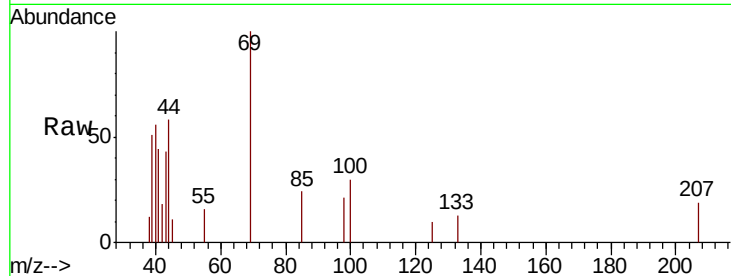




#56
Ethyl methacrylate
Concen: 0.330 ug/l
RT: 10.22 min Scan# 2628
Delta R.T. -0.21 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

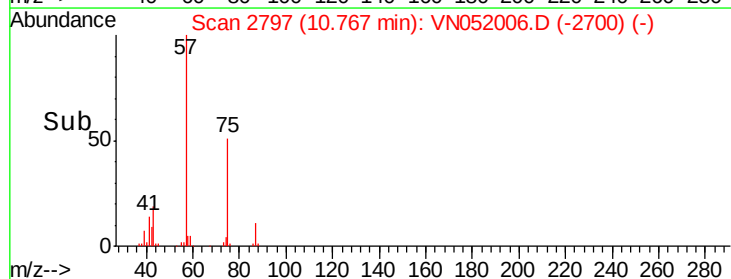
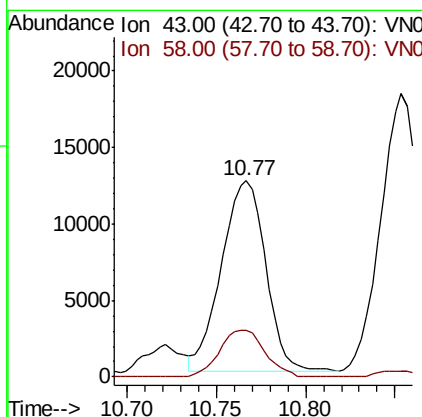
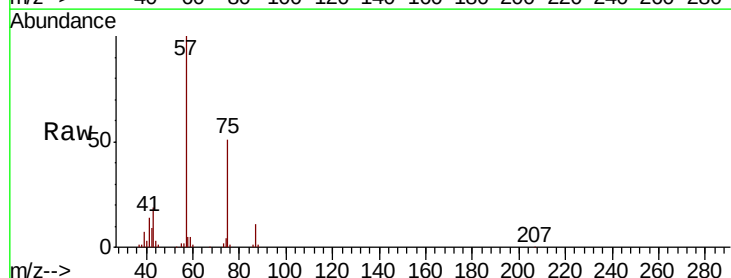
Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#03

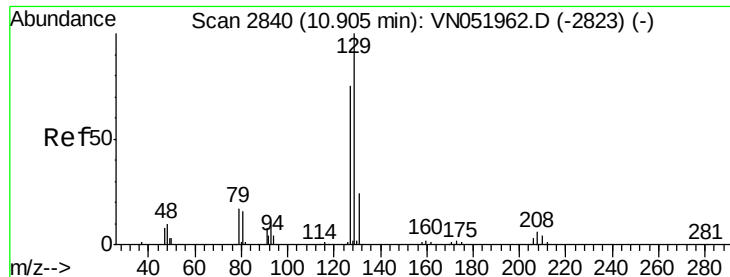
Tot Ion: 69 Resp: 3261
Ion Ratio Lower Upper
69 100
41 31.3 40.7 61.1#
39 36.6 29.3 43.9



#59
2-Hexanone
Concen: 5.644 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

Tgt Ion: 43 Resp: 21606
Ion Ratio Lower Upper
43 100
58 24.8 29.9 89.8#





#60

Dibromochloromethane

Concen: 1.993 ug/l

RT: 10.64 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

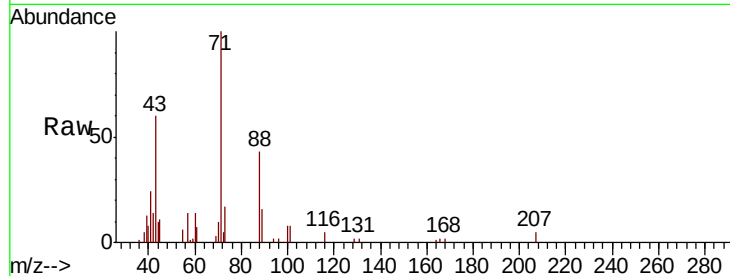
PB114157ZHE#03

Tot Ion:129 Resp: 193

Ion Ratio Lower Upper

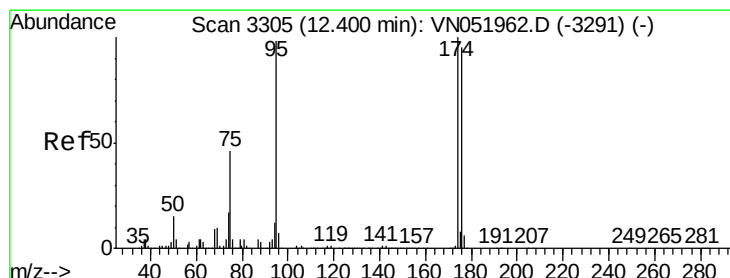
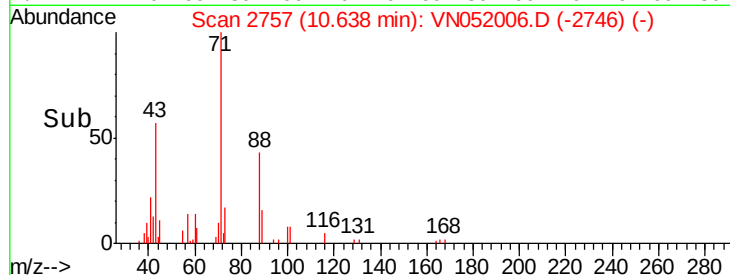
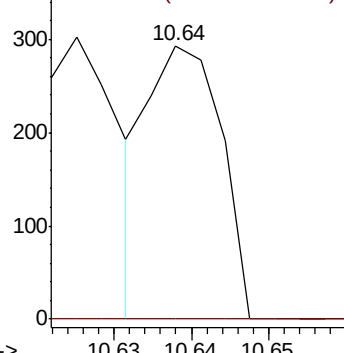
129 100

127 0.0 38.0 114.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

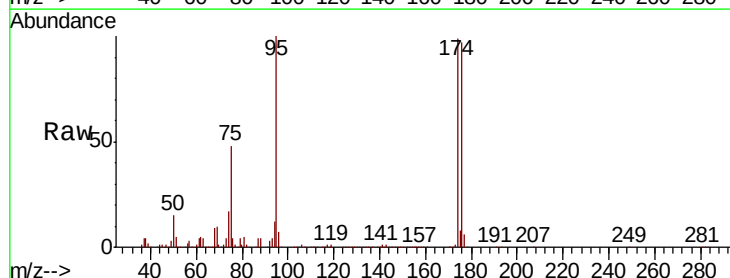
Tgt Ion: 95 Resp: 704208

Ion Ratio Lower Upper

95 100

174 102.0 0.0 206.0

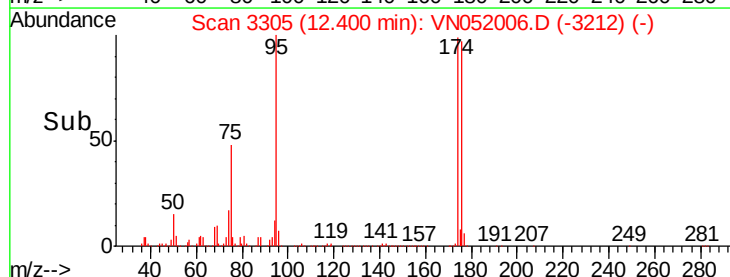
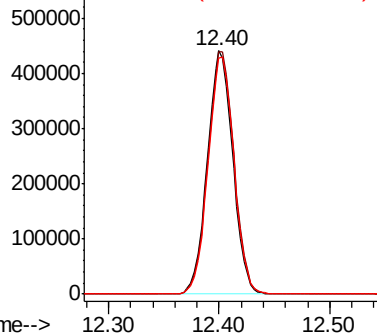
176 98.7 0.0 198.0

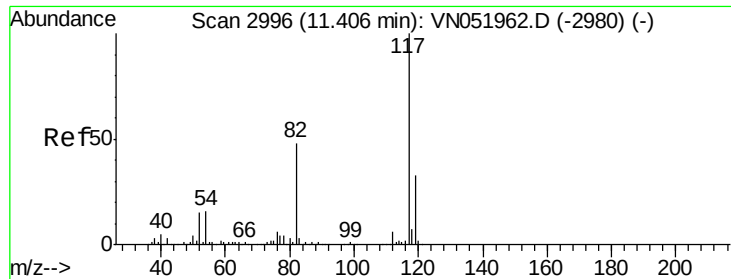


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

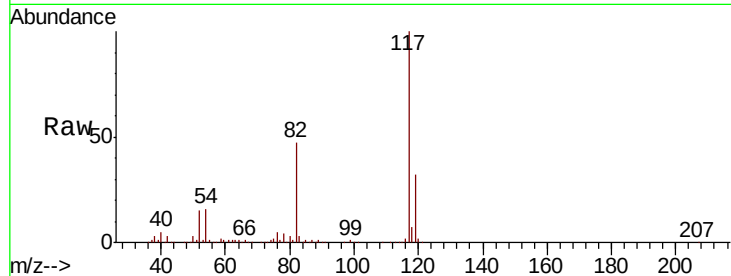




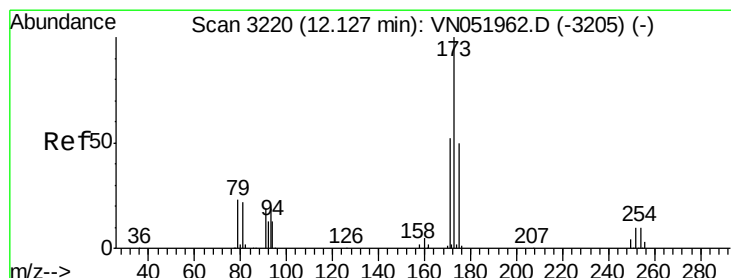
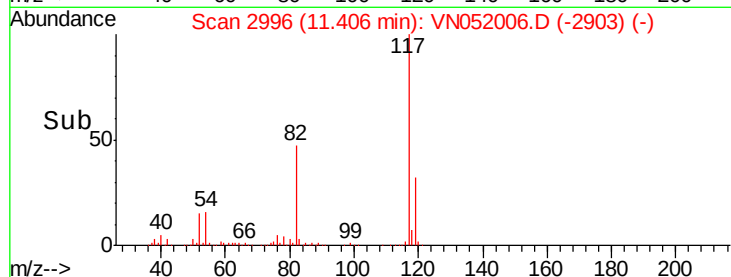
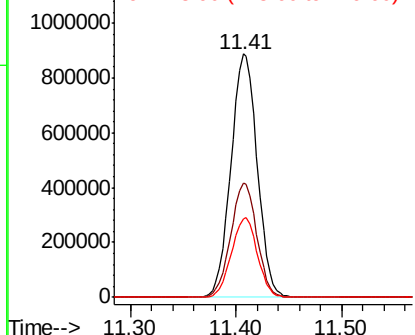
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

Instrument :
MSVOA_N
ClientSampleId :
PB114157ZHE#03

Tot Ion:117 Resp: 1530188
Ion Ratio Lower Upper
117 100
82 47.0 38.1 57.1
119 32.4 26.4 39.6

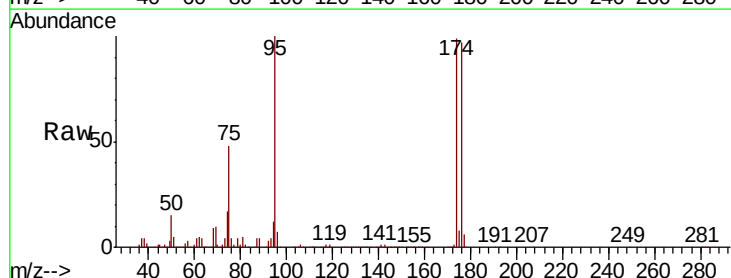


Abundance Ion 116.90 (116.60 to 117.60): V
1200000
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

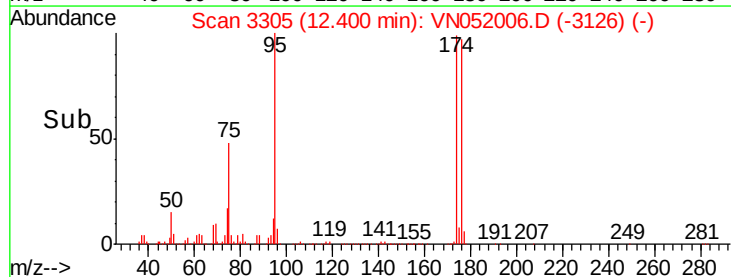
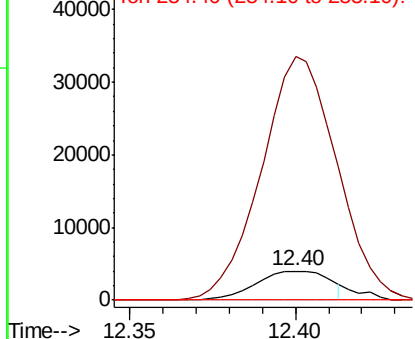


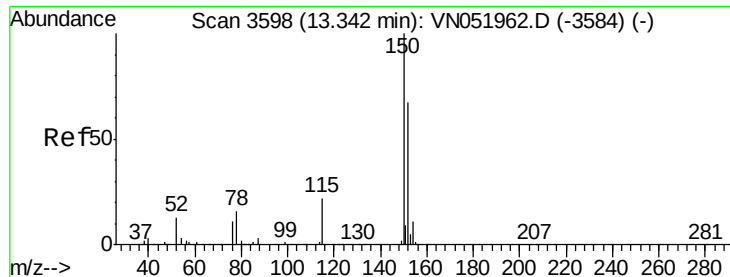
#71
Bromoform
Concen: 4.386 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052006.D
Acq: 25 Oct 2018 12:41

Tgt Ion:173 Resp: 6149
Ion Ratio Lower Upper
173 100
175 773.9 24.6 74.0#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
40000
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: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#03

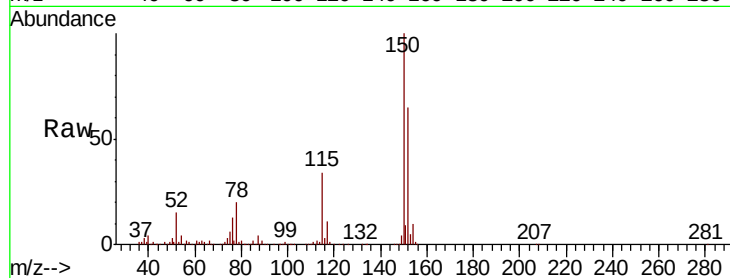
Tot Ion:152 Resp: 703692

Ion Ratio Lower Upper

152 100

115 53.7 25.8 77.3

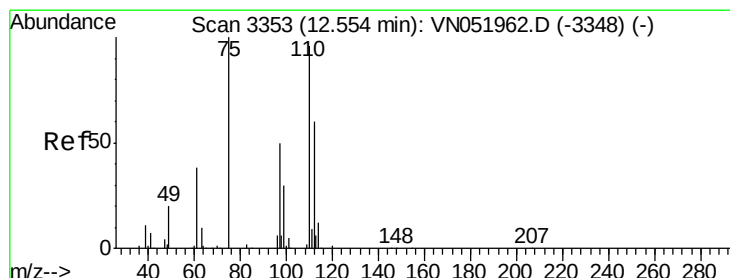
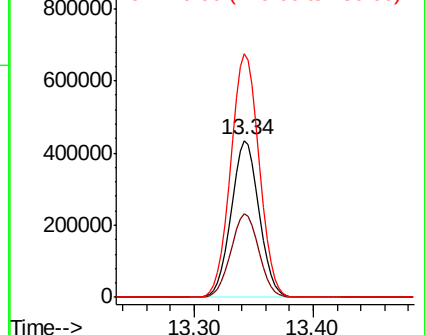
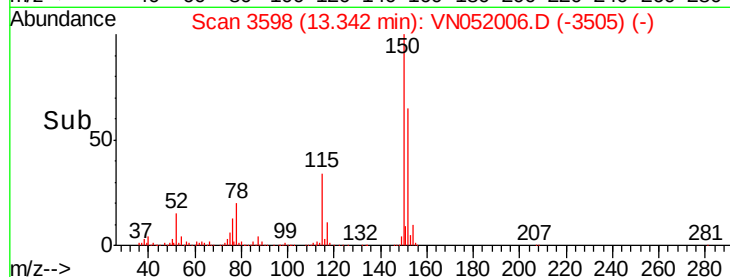
150 158.4 0.0 344.4



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: 47.081 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052006.D

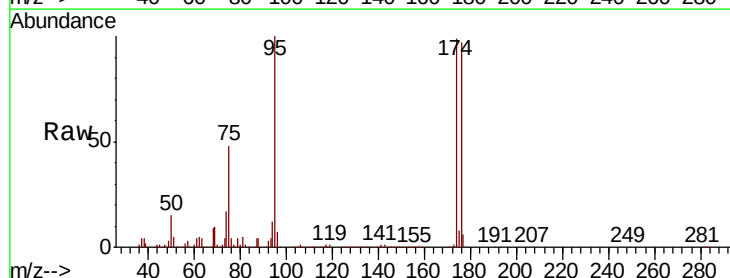
Acq: 25 Oct 2018 12:41

Tgt Ion: 75 Resp: 342221

Ion Ratio Lower Upper

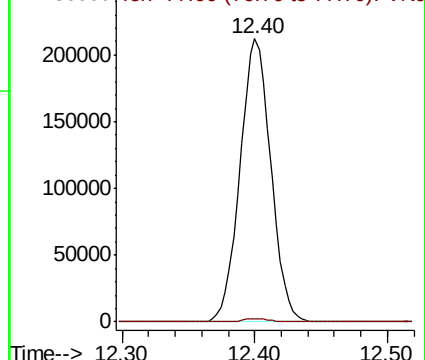
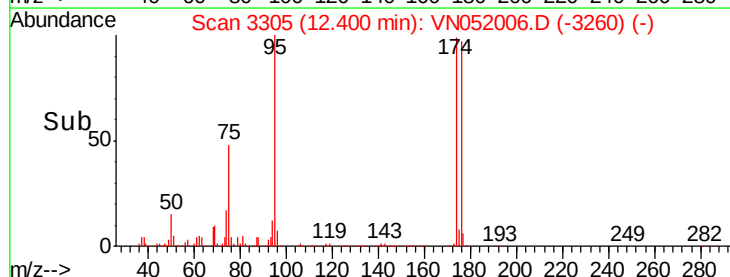
75 100

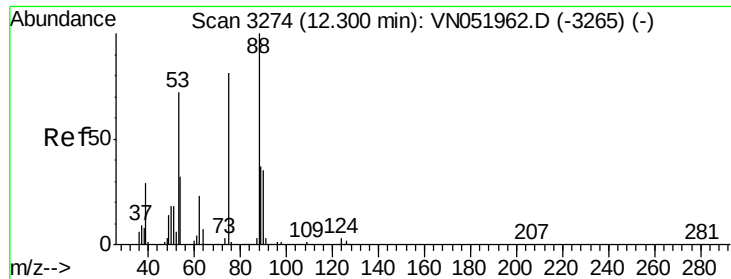
77 1.0 0.0 0.0#



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: 148.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052006.D

Acq: 25 Oct 2018 12:41

Instrument :

MSVOA_N

ClientSampleId :

PB114157ZHE#03

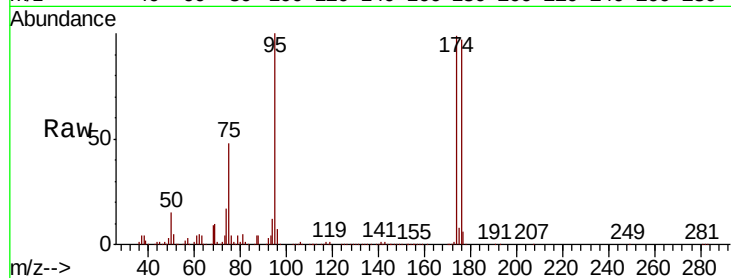
Tot Ion: 75 Resp: 342221

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

