

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052411.D
 Acq On : 20 Nov 2018 16:52
 Operator : MD\SY
 Sample : PB114952ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#05

Quant Time: Nov 20 17:38:53 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	304176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	506050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	221944	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.59	113	165065	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	651796	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	183791	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	

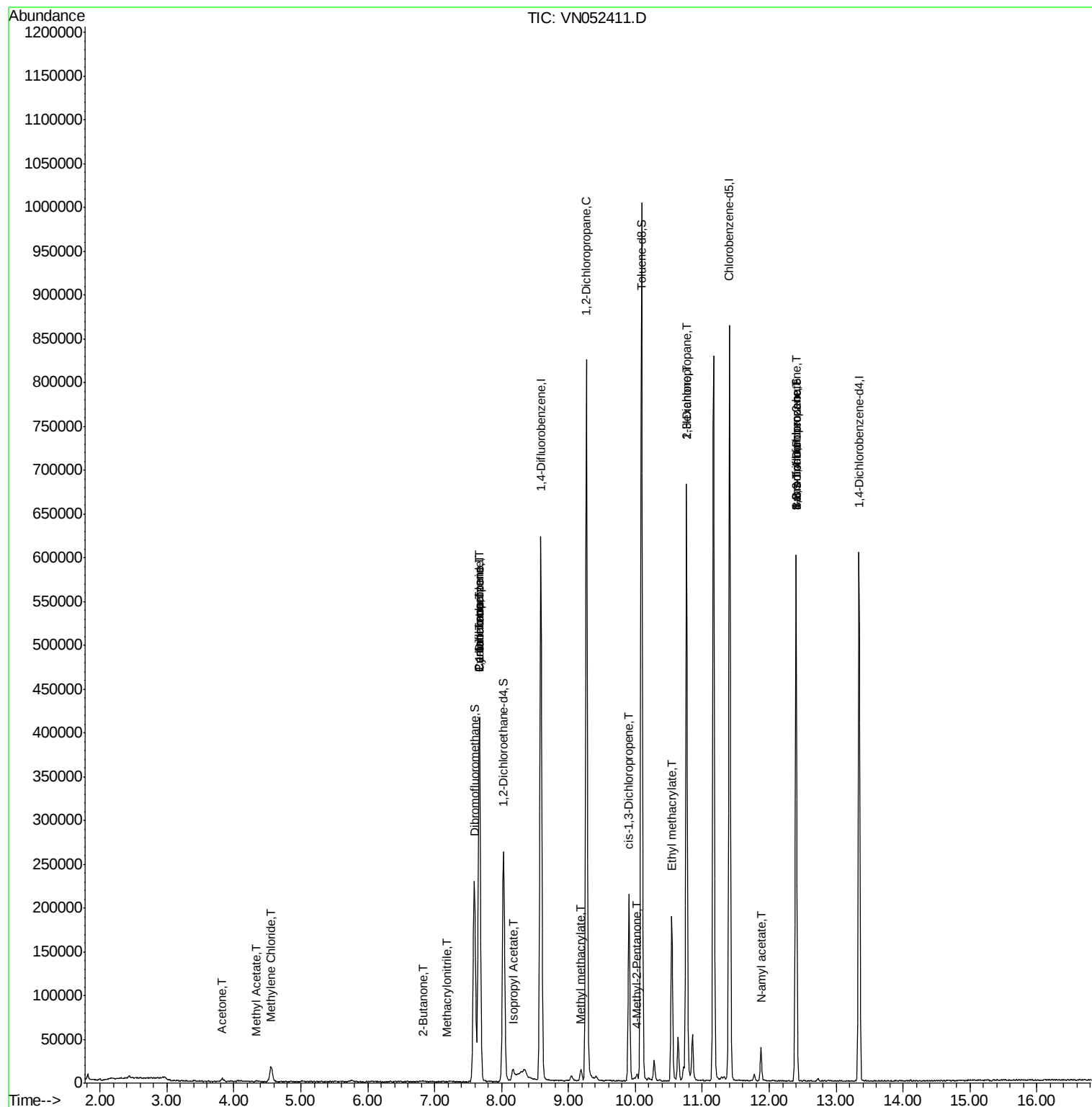
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5518	4.66	ug/l #	79
18) Methyl Acetate	4.32	43	809	0.67	ug/l #	57
20) Methylene Chloride	4.55	84	3258	0.21	ug/l #	92
25) 2-Butanone	6.83	43	377	0.23	ug/l #	52
31) Cyclohexane	7.67	56	9750	0.44	ug/l #	43
36) 1,1-Dichloropropene	7.67	75	28335	5.59	ug/l #	52
38) Carbon Tetrachloride	7.67	117	31896	6.84	ug/l #	16
41) Methacrylonitrile	7.18	41	61	3.72	ug/l #	100
43) Isopropyl Acetate	8.17	43	19976	2.81	ug/l #	91
45) 1,2-Dichloropropane	9.27	63	961	0.23	ug/l #	44
48) Methyl methacrylate	9.18	41	4632	1.29	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	5945	1.66	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	32044	5.71	ug/l #	78
56) Ethyl methacrylate	10.55	69	858	0.21	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6270	1.13	ug/l #	43
59) 2-Hexanone	10.76	43	114084	46.39	ug/l #	54
71) Bromoform	12.40	173	1008	0.55	ug/l #	1
74) N-amyl acetate	11.88	43	12619	3.20	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	108565	46.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	108565	150.84	ug/l #	5

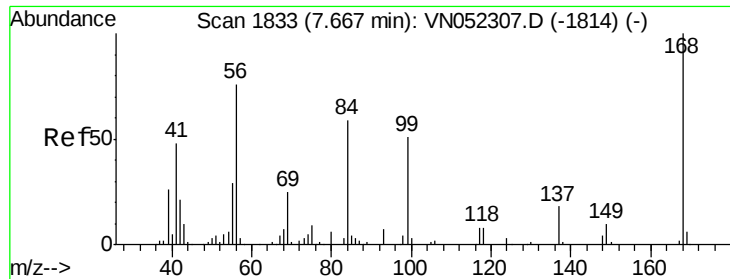
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

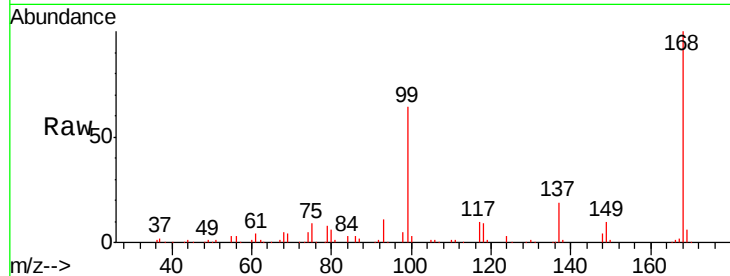
PB114952ZHE#05

Tgt Ion:168 Resp: 304176

Ion Ratio Lower Upper

168 100

99 64.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052411.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052411.D (-1740) (-)

7.67

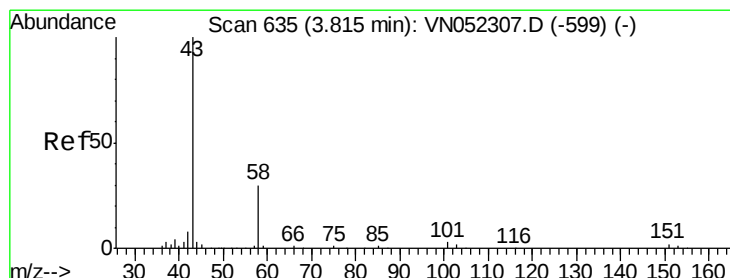
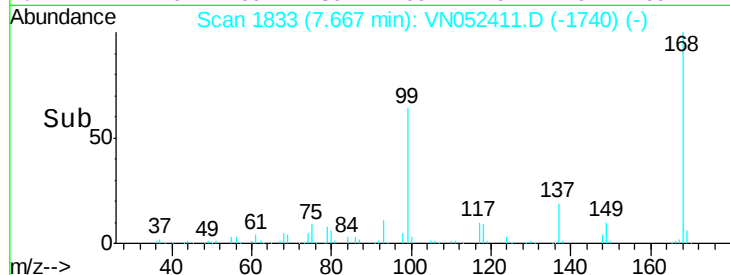
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.66 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052411.D

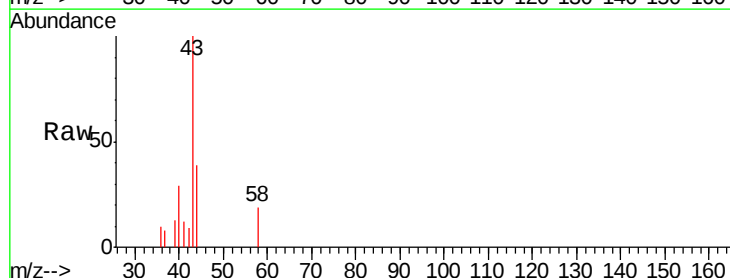
Acq: 20 Nov 2018 16:52

Tgt Ion: 43 Resp: 5518

Ion Ratio Lower Upper

43 100

58 19.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052411.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052411.D (-542) (-)

3.82

2000

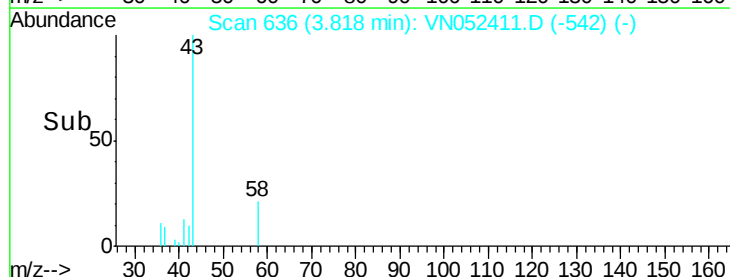
1500

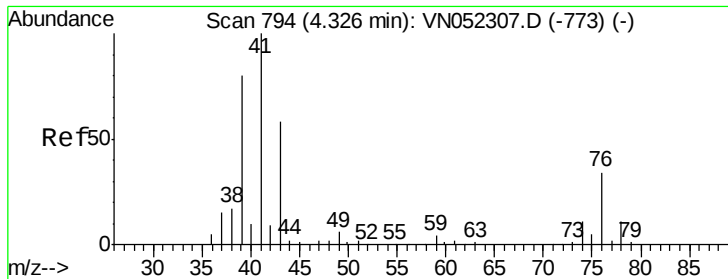
1000

500

0

Time-->

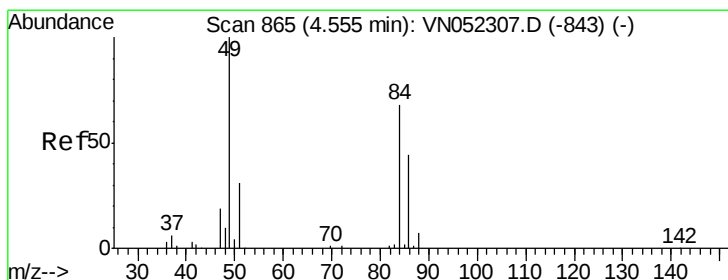
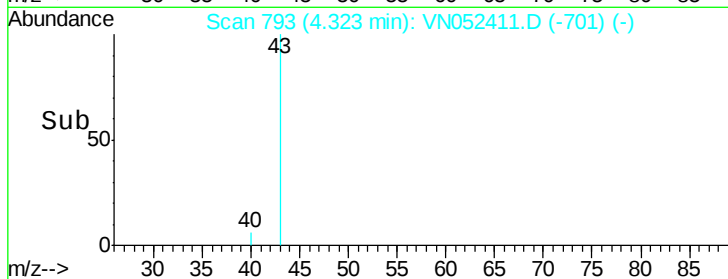
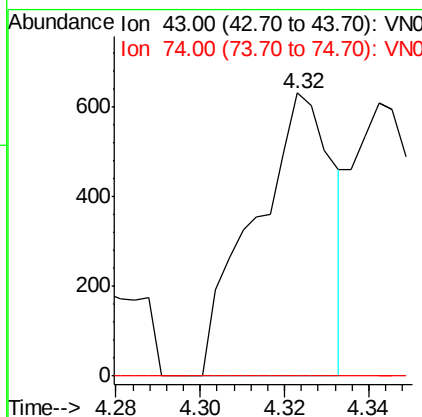
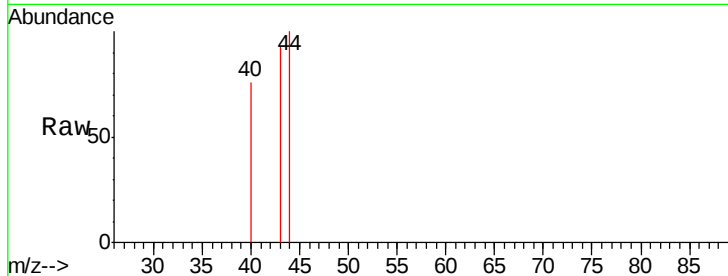




#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

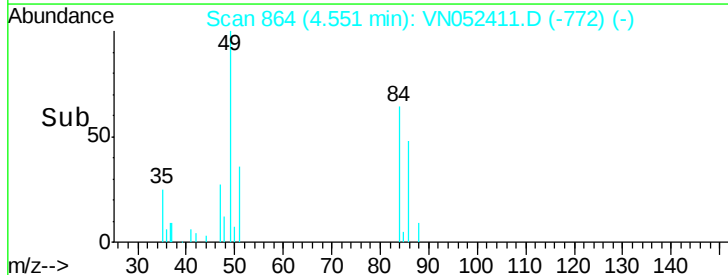
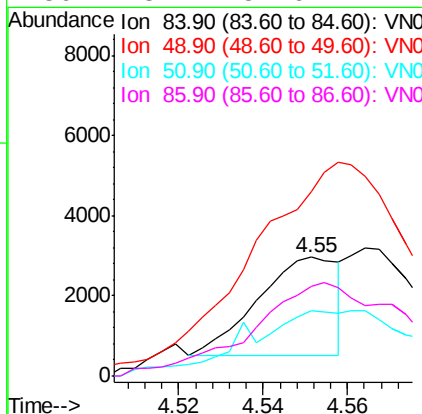
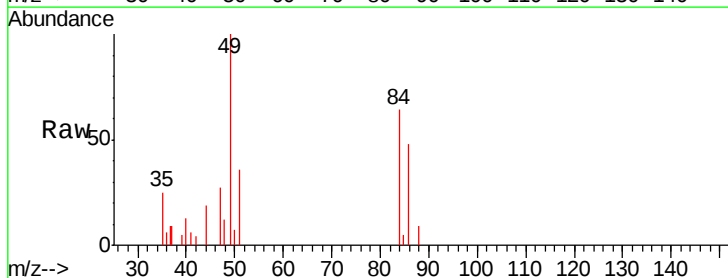
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#05

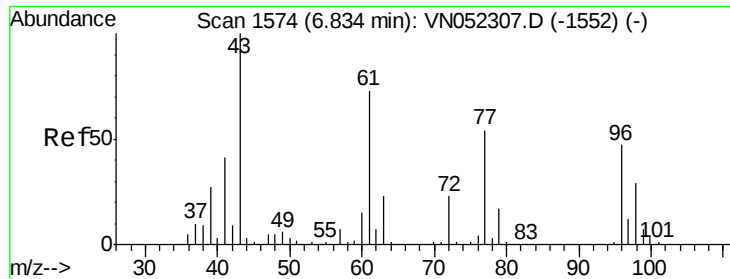
Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

Tgt Ion: 84 Resp: 3258
Ion Ratio Lower Upper
84 100
49 142.4 118.2 177.2
51 55.0 36.1 54.1#
86 73.1 51.6 77.4

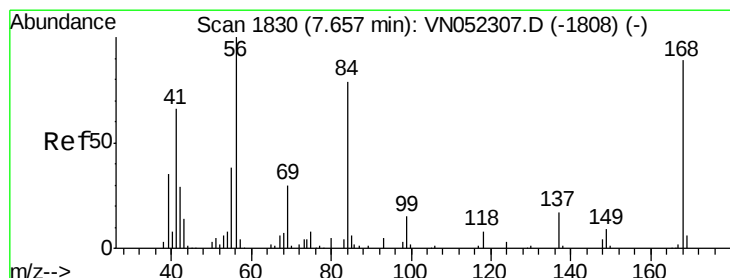
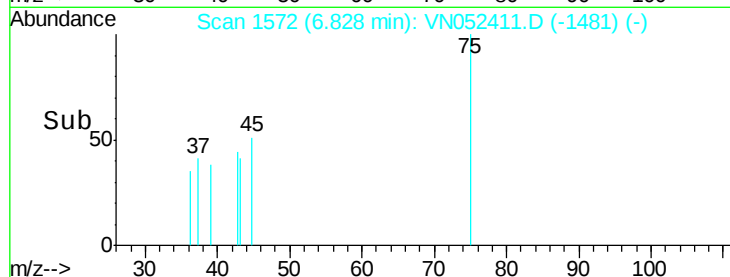
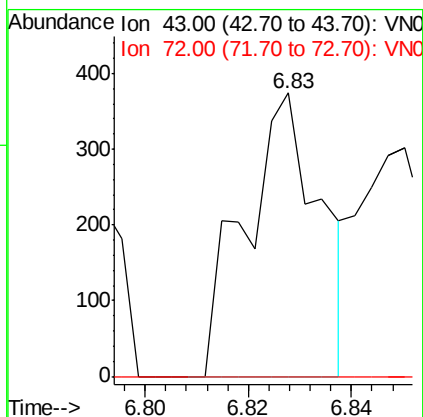
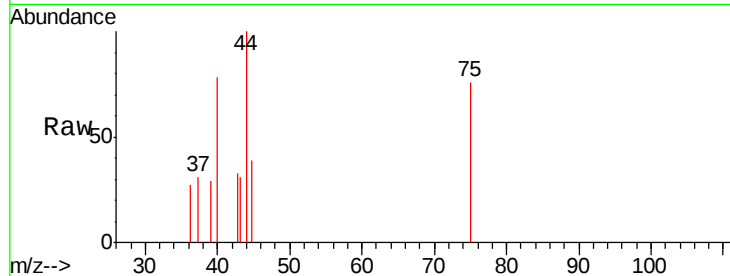




#25
2-Butanone
Concen: 0.23 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

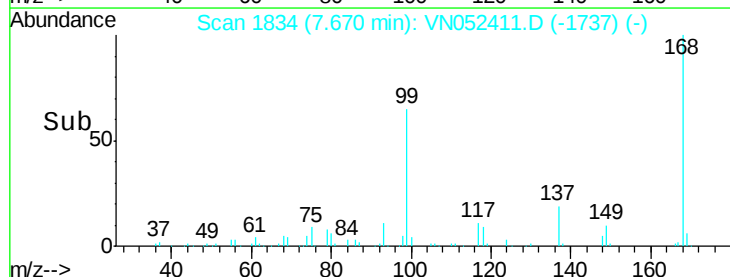
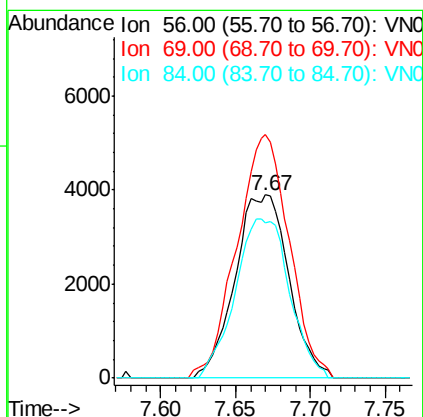
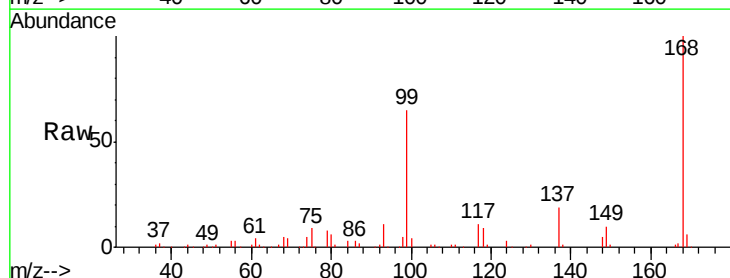
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#05

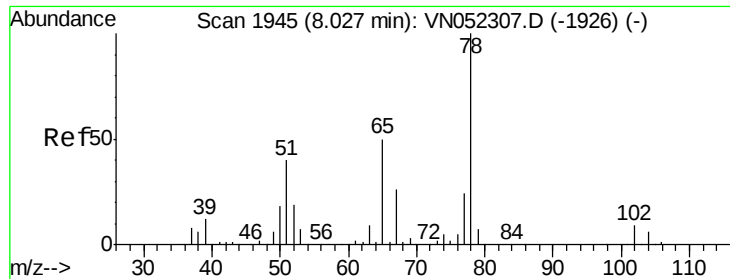
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 0.44 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

Tgt Ion: 56 Resp: 9750
Ion Ratio Lower Upper
56 100
69 132.8 23.8 35.8#
84 84.8 63.0 94.6

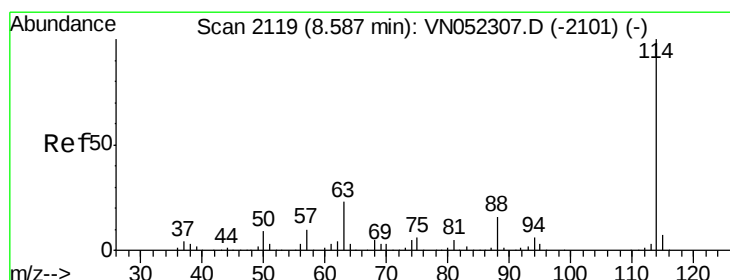
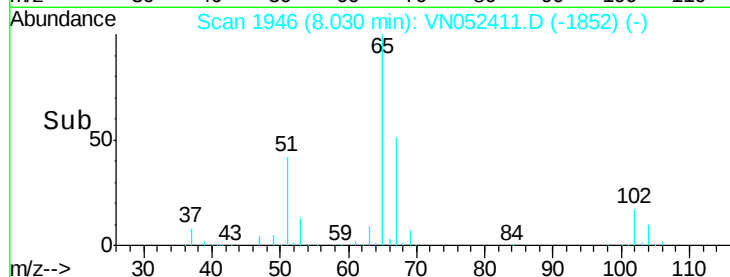
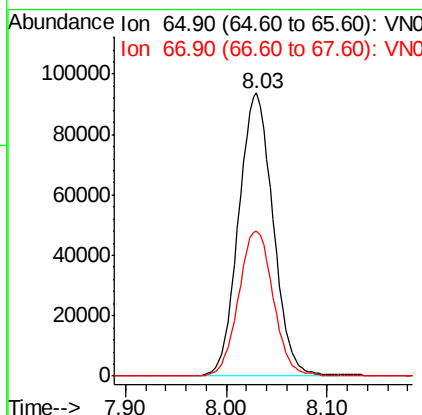
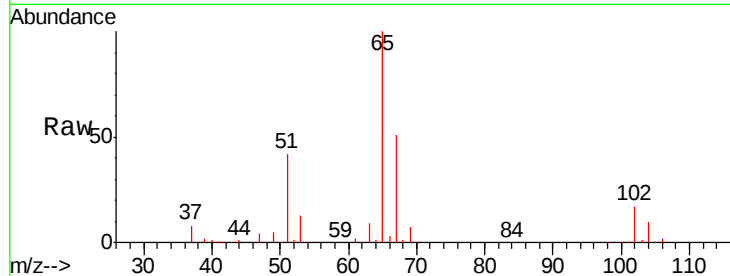




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052411.D
 Acq: 20 Nov 2018 16:52

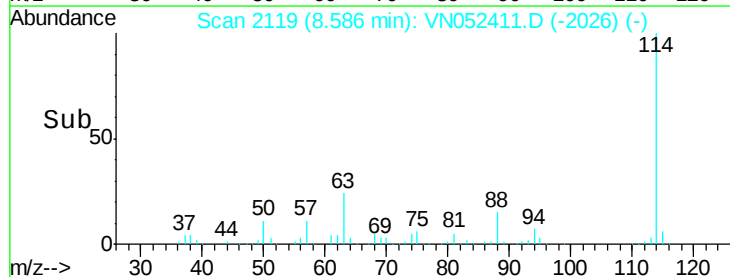
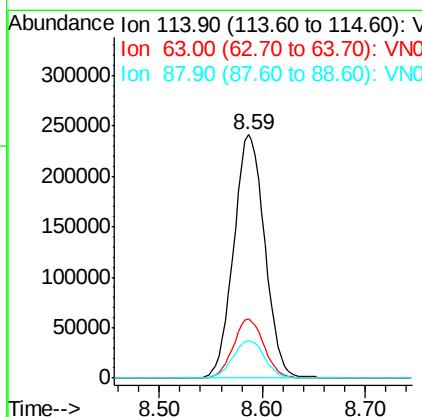
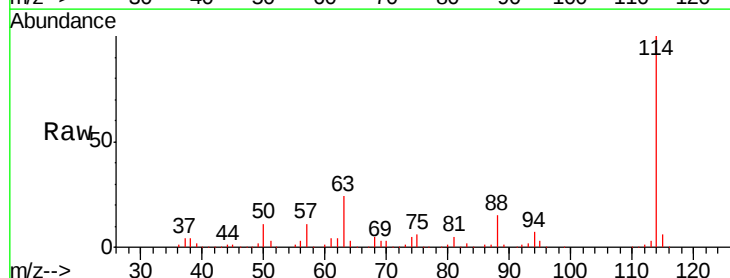
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#05

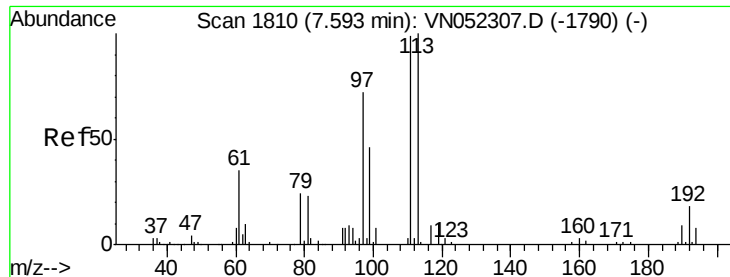
Tgt Ion: 65 Resp: 221944
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052411.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 114 Resp: 506050
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 45.4
 88 15.3 0.0 31.2

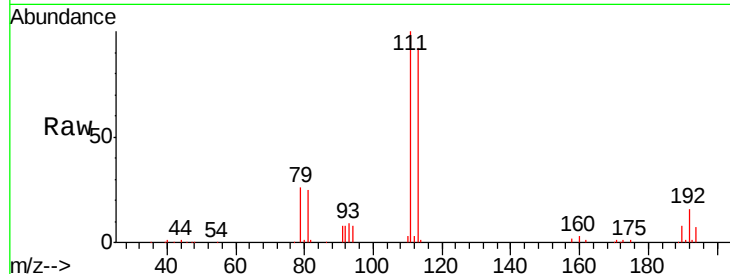




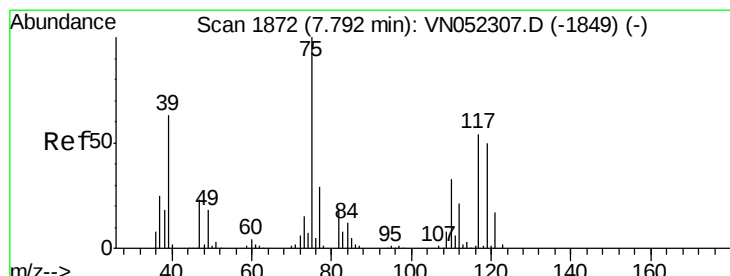
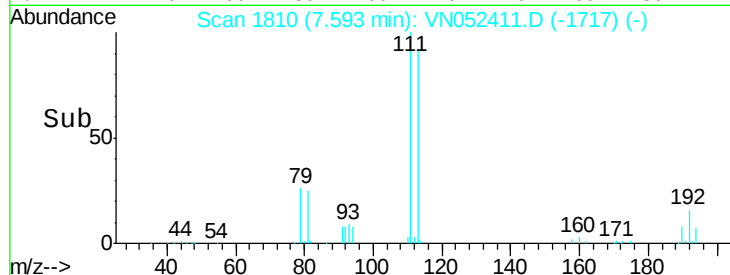
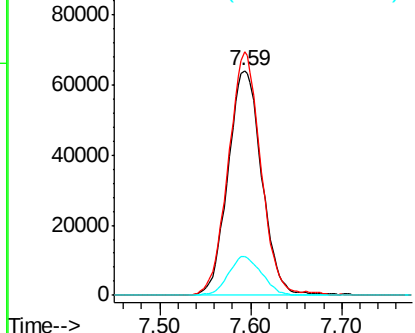
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052411.D
 Acq: 20 Nov 2018 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#05

Tgt Ion: 113 Resp: 165065
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 17.0 13.8 20.6

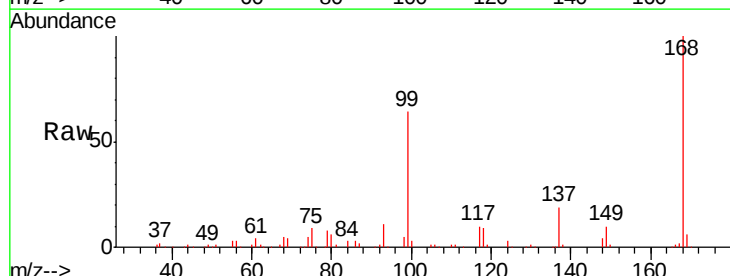


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

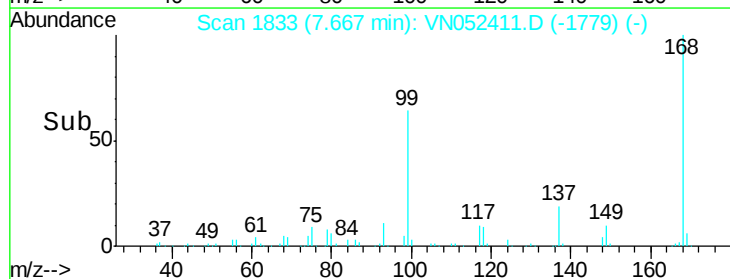
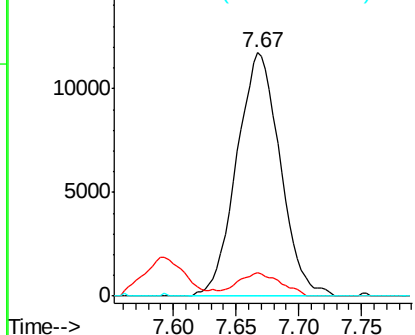


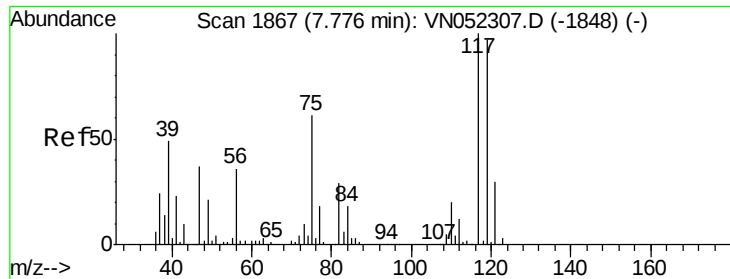
#36
 1,1-Dichloropropene
 Concen: 5.59 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052411.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 75 Resp: 28335
 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): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.84 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#05

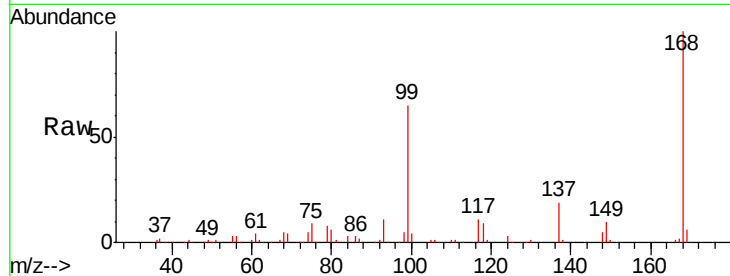
Tgt Ion: 117 Resp: 31896

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

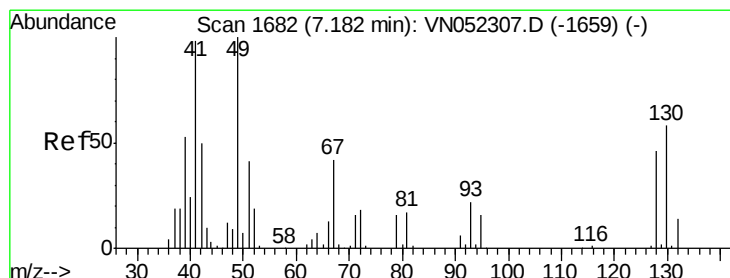
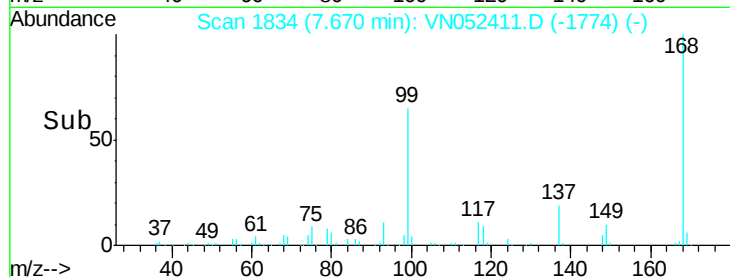
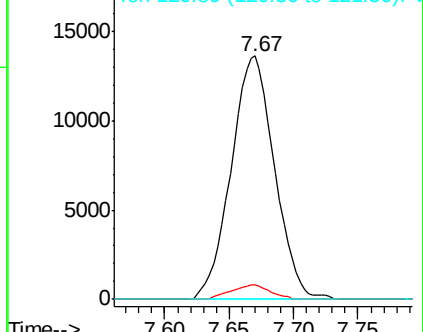
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 3.72 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Tgt Ion: 41 Resp: 61

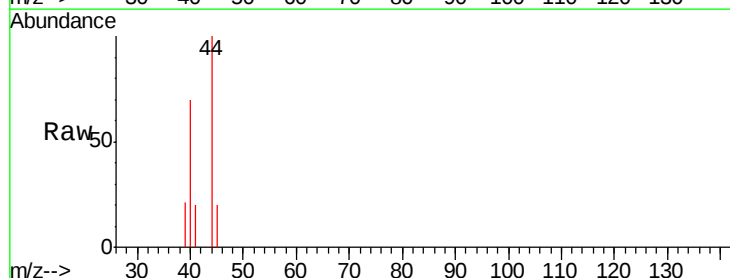
Ion Ratio Lower Upper

41 100

39 268.9 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

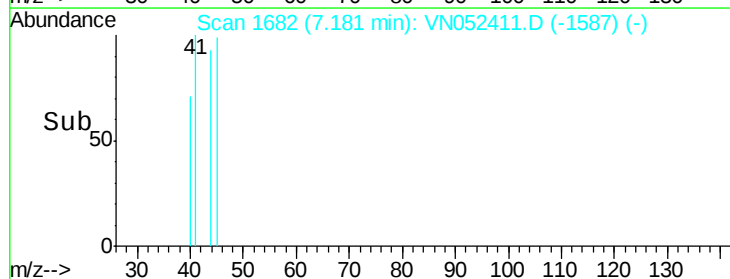
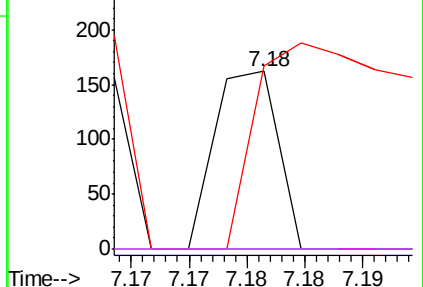


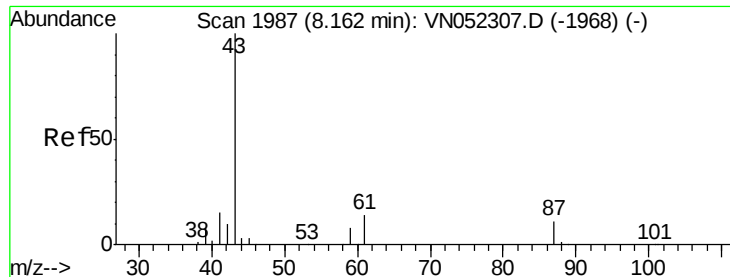
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 2.81 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#05

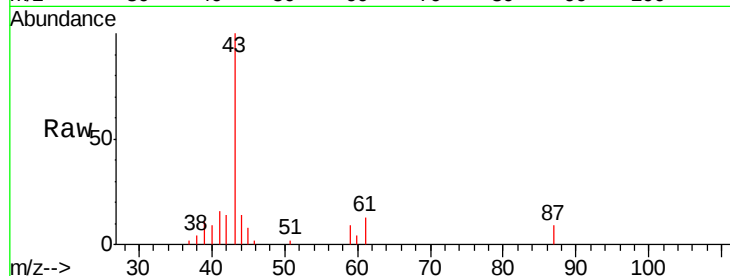
Tgt Ion: 43 Resp: 19976

Ion Ratio Lower Upper

43 100

61 11.3 12.0 18.0#

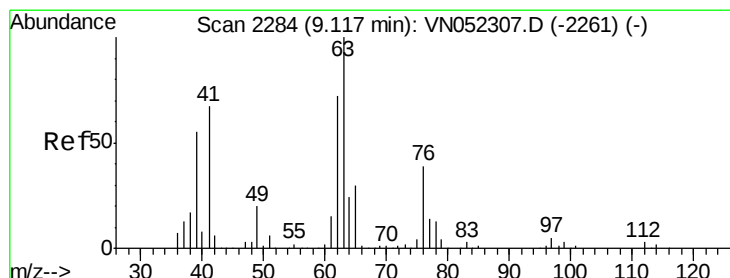
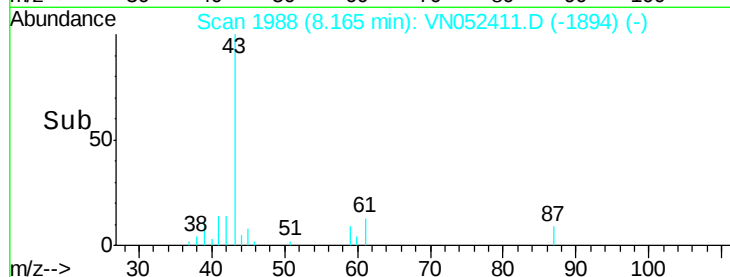
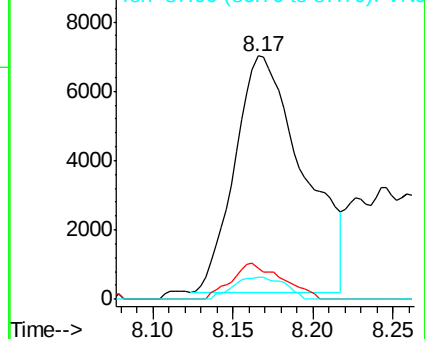
87 7.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.23 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052411.D

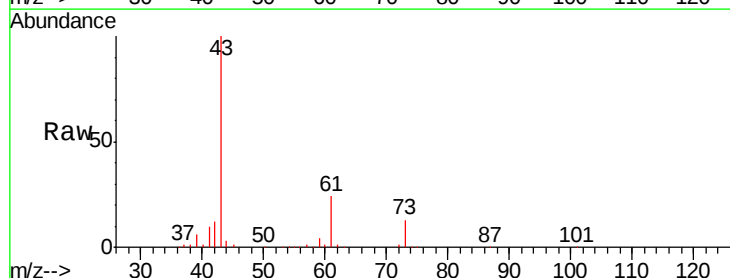
Acq: 20 Nov 2018 16:52

Tgt Ion: 63 Resp: 961

Ion Ratio Lower Upper

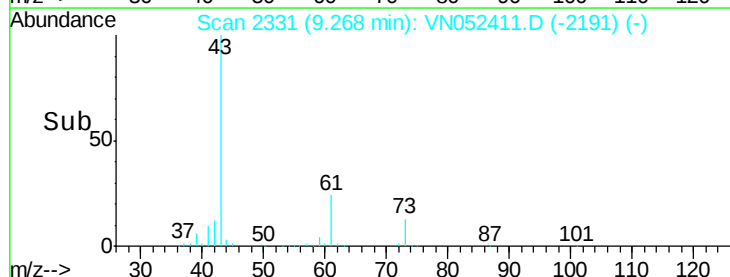
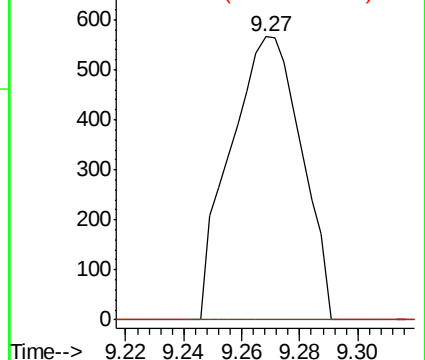
63 100

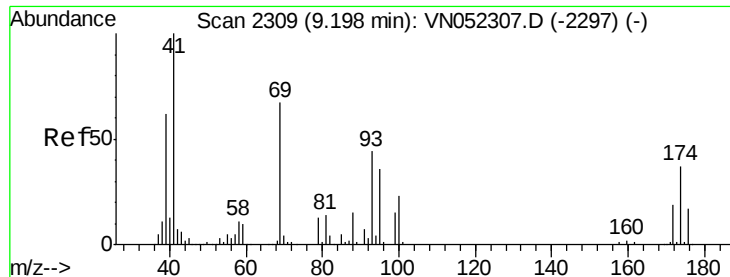
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

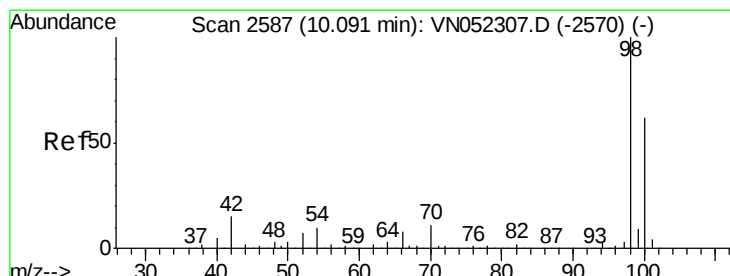
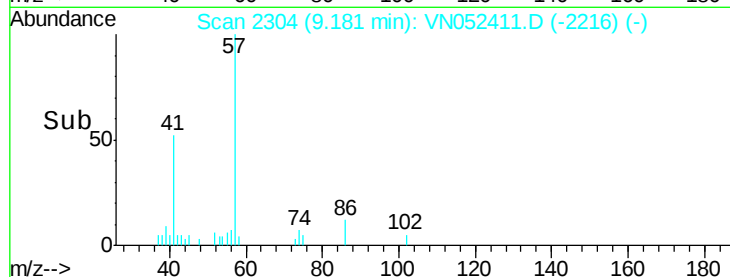
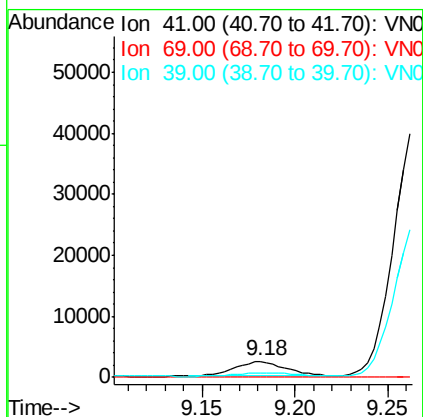
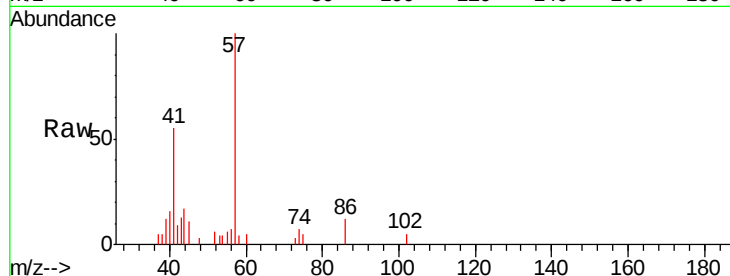




#48
Methyl methacrylate
Concen: 1.29 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

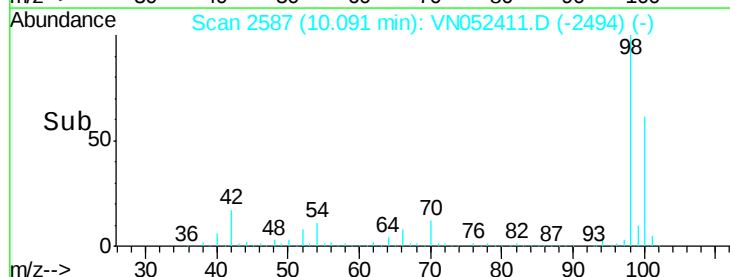
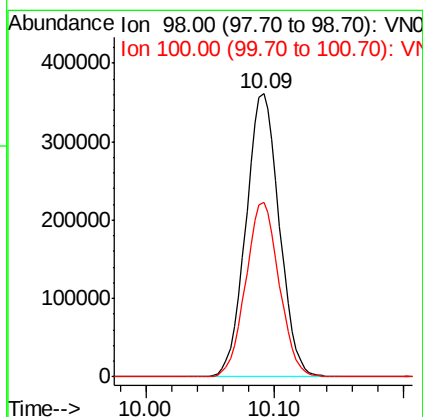
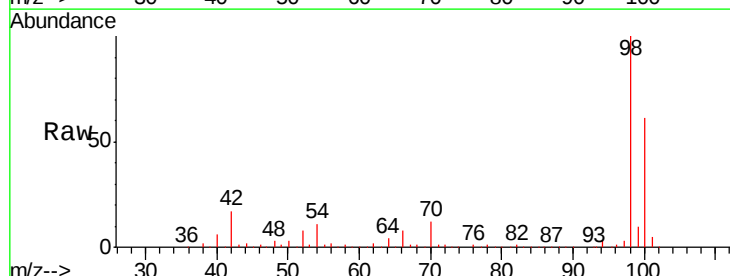
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#05

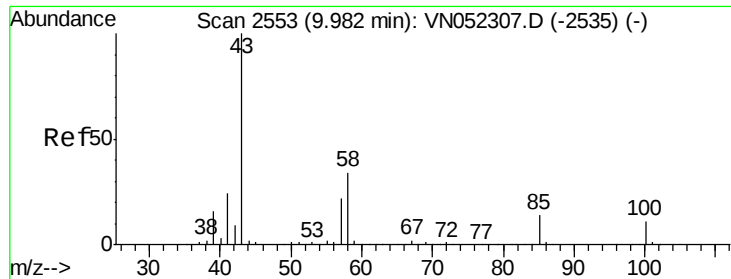
Tgt Ion: 41 Resp: 4632
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

Tgt Ion: 98 Resp: 651796
Ion Ratio Lower Upper
98 100
100 61.8 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 1.66 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

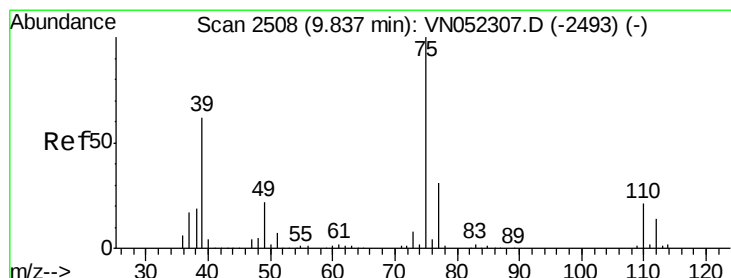
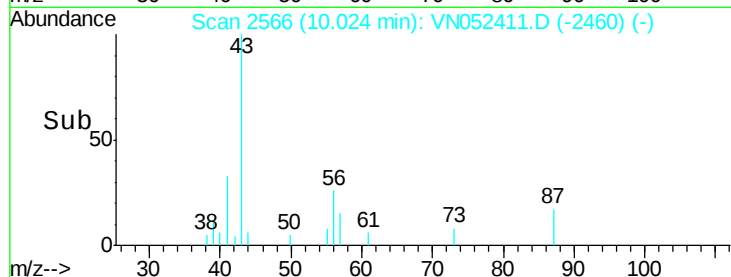
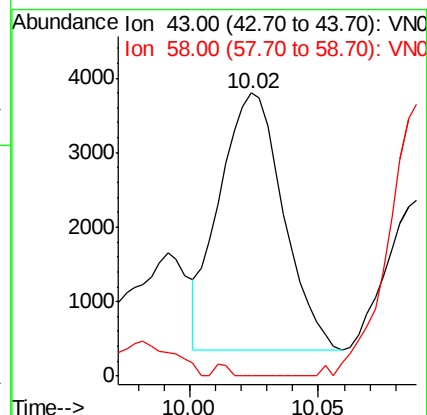
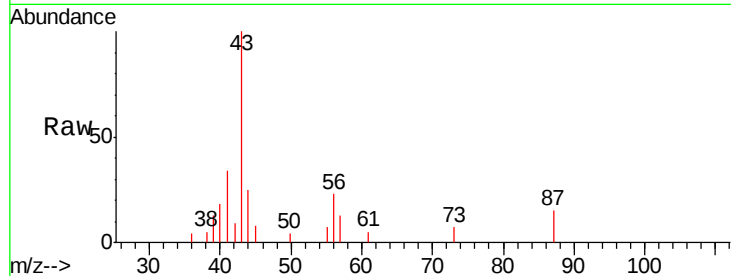
PB114952ZHE#05

Tgt Ion: 43 Resp: 5945

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 5.71 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

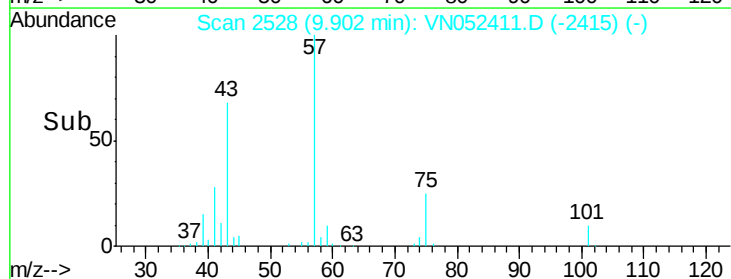
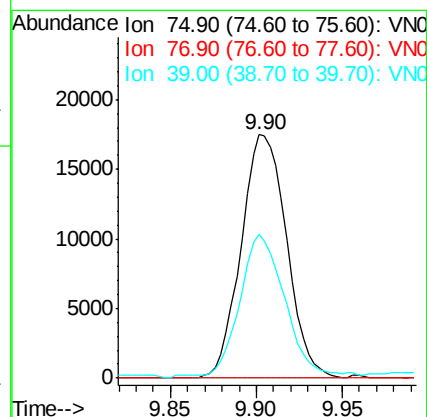
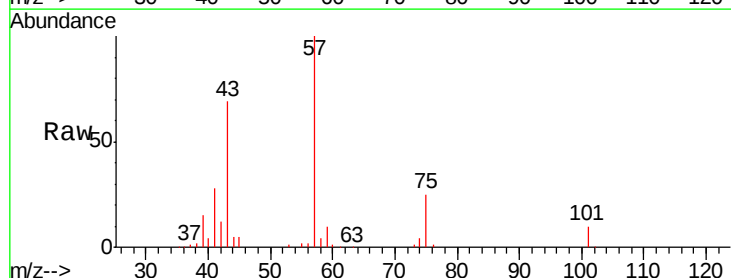
Tgt Ion: 75 Resp: 32044

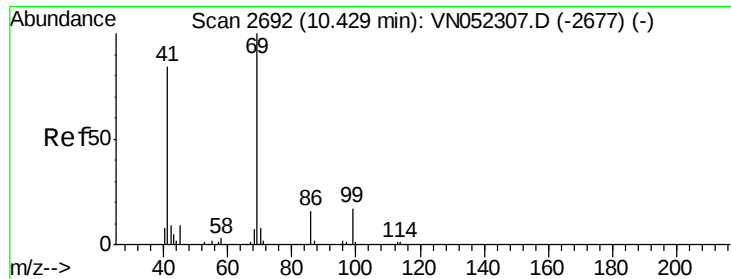
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 58.1 49.9 74.9

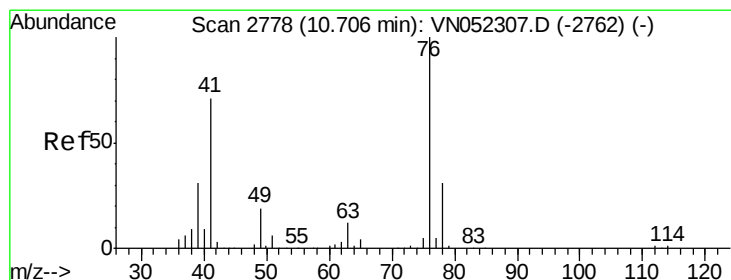
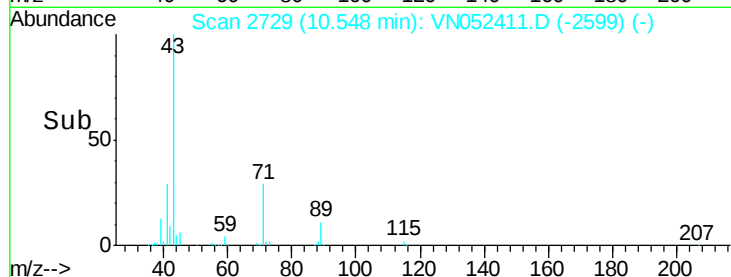
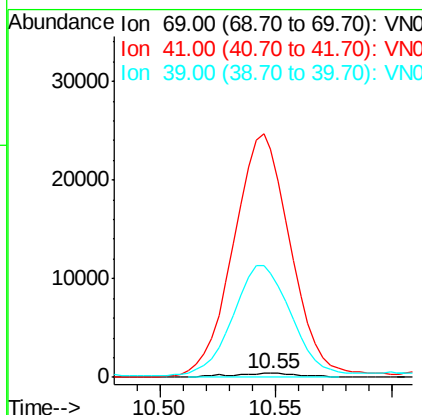
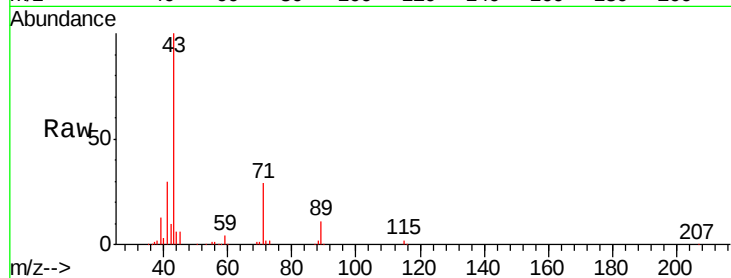




#56
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 10.55 min Scan# 2729
Delta R.T. 0.12 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

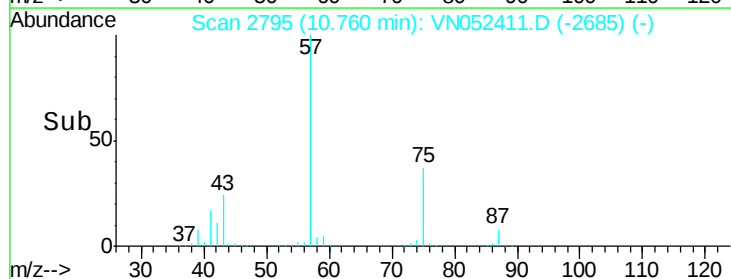
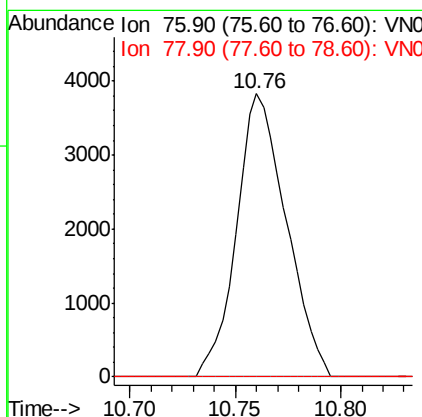
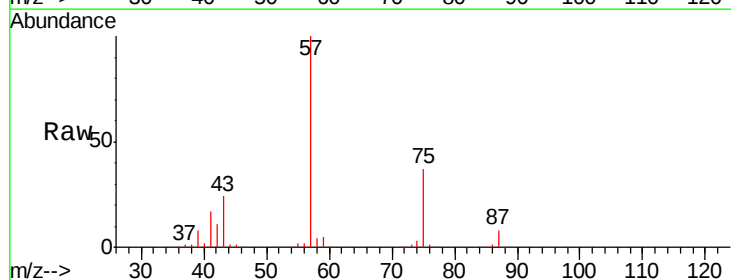
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#05

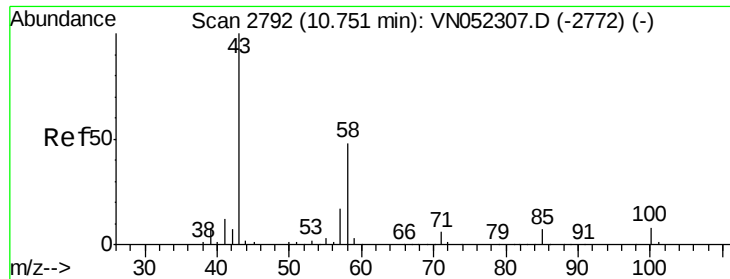
Tgt Ion: 69 Resp: 858
Ion Ratio Lower Upper
69 100
41 4983.8 64.8 97.2#
39 2273.9 41.0 61.6#



#57
1,3-Dichloropropane
Concen: 1.13 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.05 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

Tgt Ion: 76 Resp: 6270
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 46.39 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

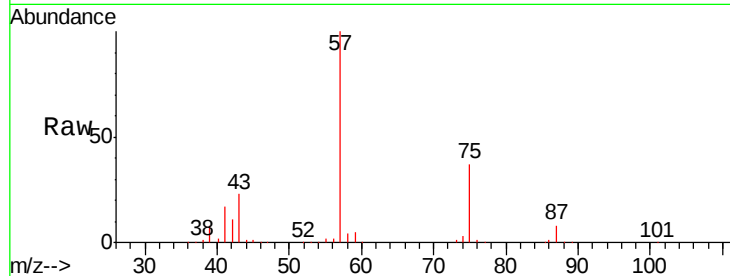
PB114952ZHE#05

Tgt Ion: 43 Resp: 114084

Ion Ratio Lower Upper

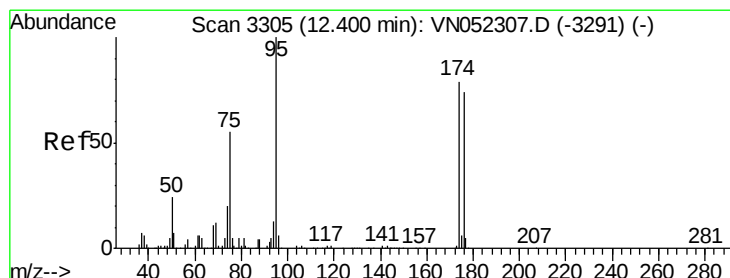
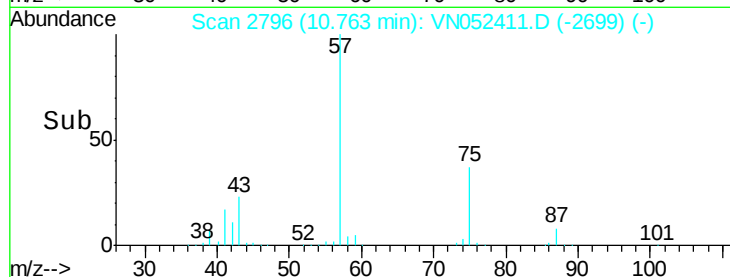
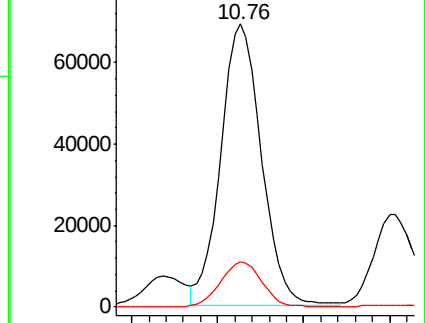
43 100

58 16.5 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

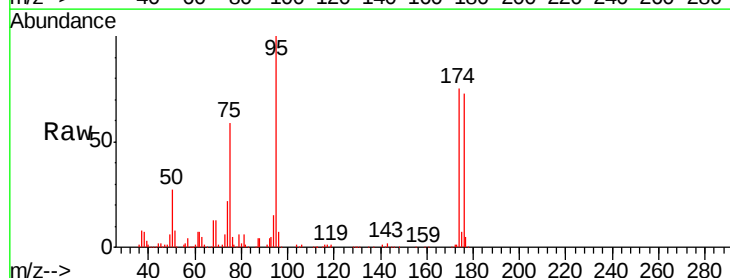
Tgt Ion: 95 Resp: 183791

Ion Ratio Lower Upper

95 100

174 74.8 0.0 156.0

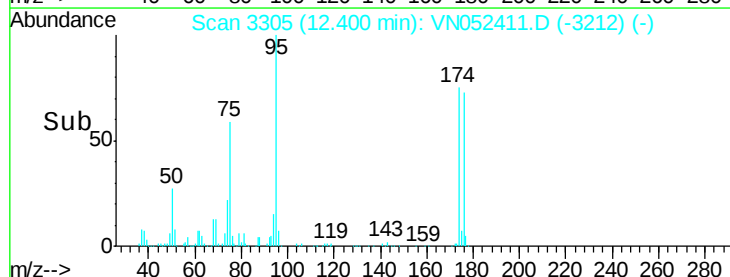
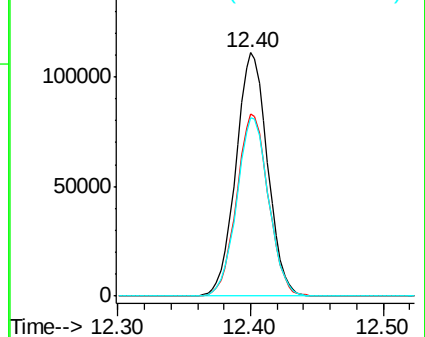
176 73.6 0.0 148.4

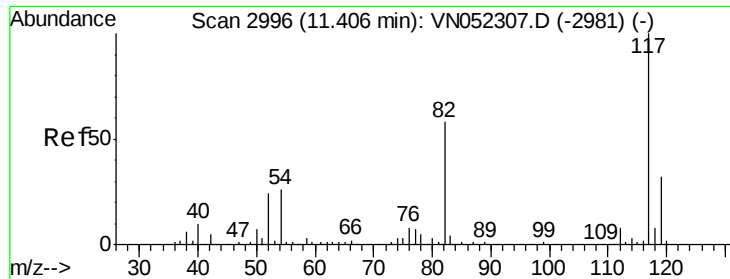


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

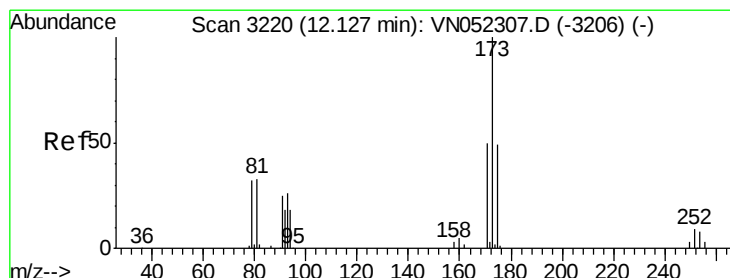
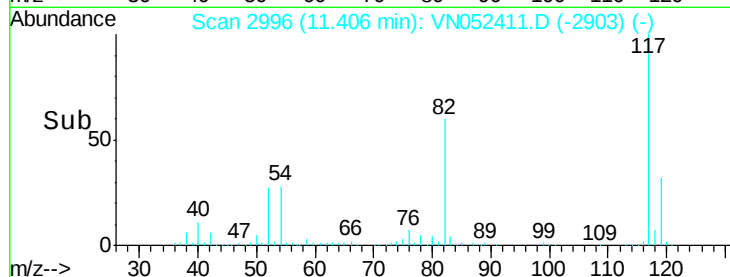
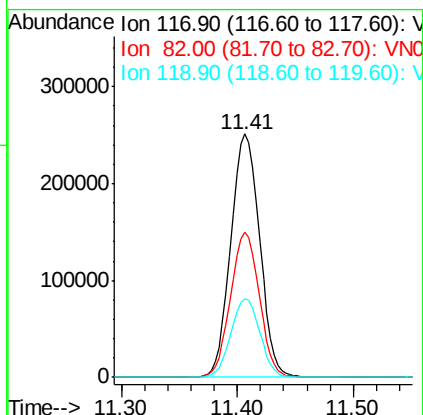
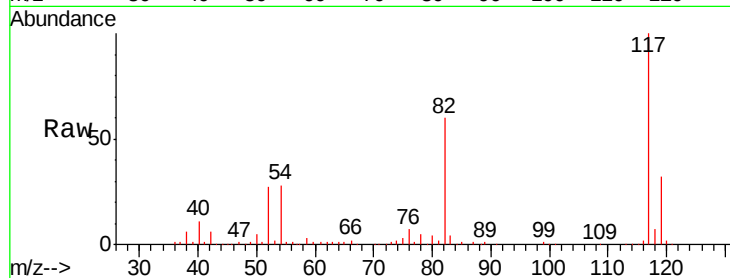




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

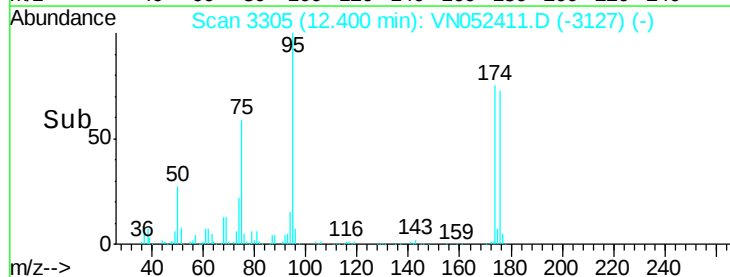
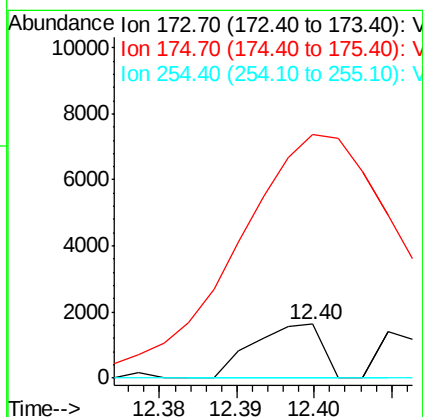
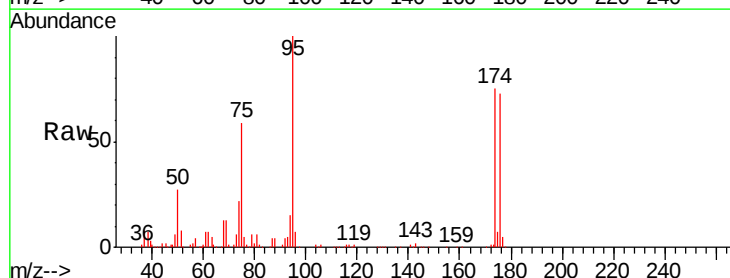
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#05

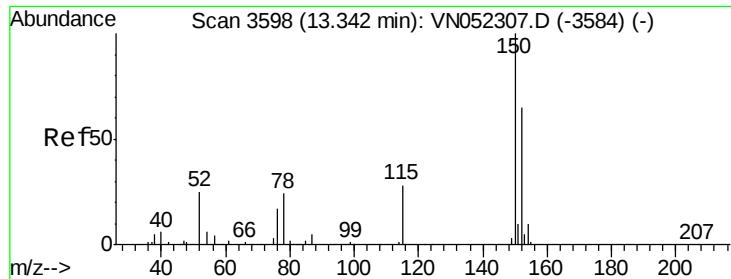
Tgt Ion:117 Resp: 432075
Ion Ratio Lower Upper
117 100
82 59.8 46.5 69.7
119 32.4 25.7 38.5



#71
Bromoform
Concen: 0.55 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052411.D
Acq: 20 Nov 2018 16:52

Tgt Ion:173 Resp: 1008
Ion Ratio Lower Upper
173 100
175 1006.1 25.0 75.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#05

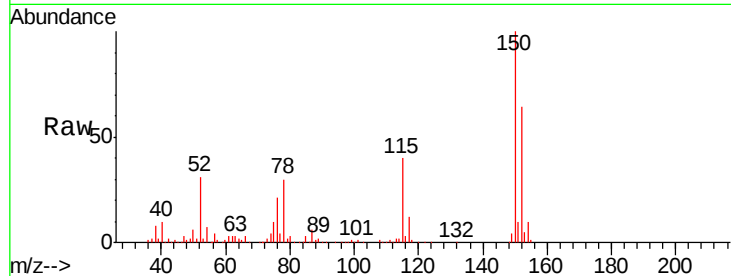
Tgt Ion:152 Resp: 137574

Ion Ratio Lower Upper

152 100

115 62.8 30.3 91.0

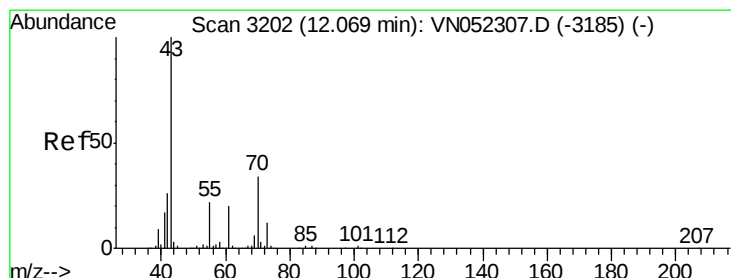
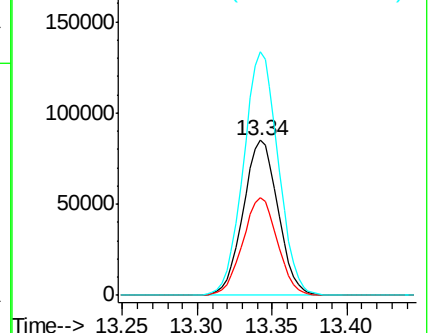
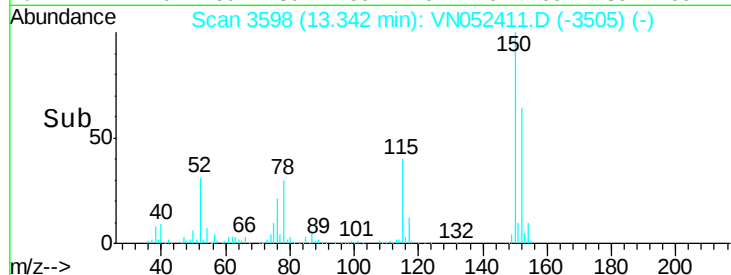
150 157.2 0.0 348.2



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



#74

N-ethyl acetate

Concen: 3.20 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Tgt Ion: 43 Resp: 12619

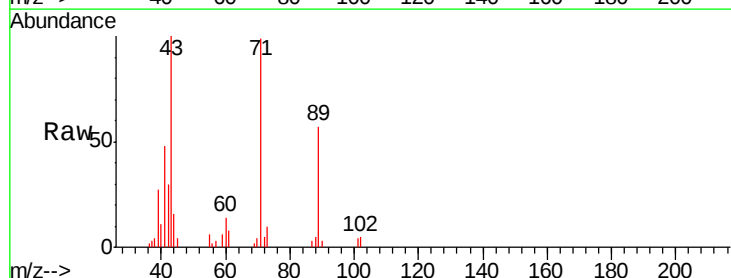
Ion Ratio Lower Upper

43 100

70 2.6 27.1 40.7#

55 5.6 17.4 26.0#

61 7.6 16.1 24.1#

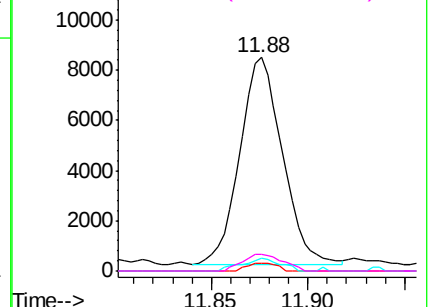
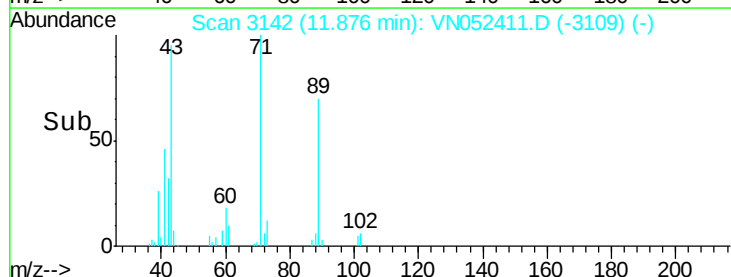


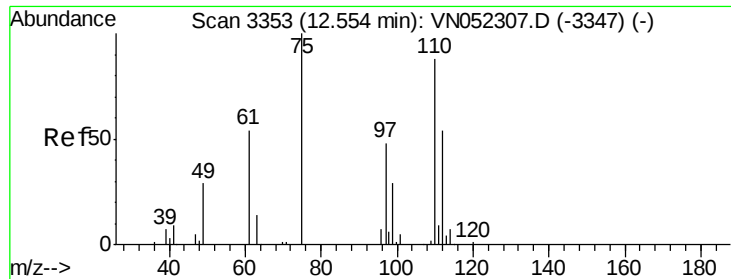
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 46.51 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_N

ClientSampleId :

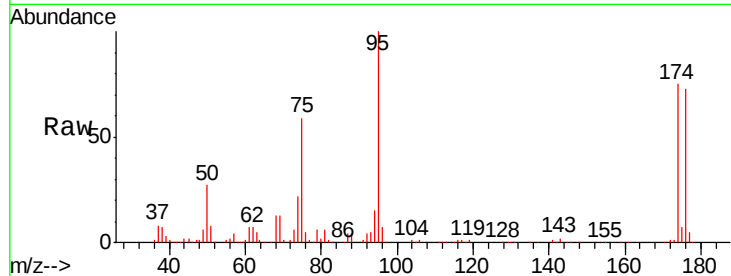
PB114952ZHE#05

Tgt Ion: 75 Resp: 108565

Ion Ratio Lower Upper

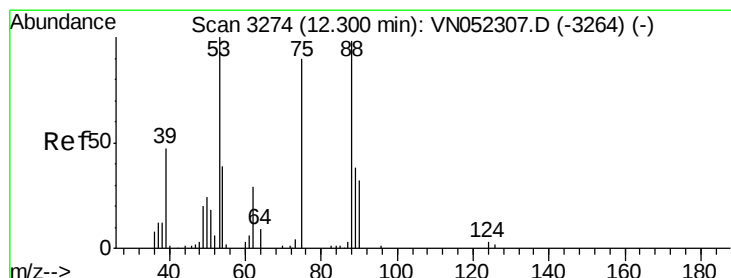
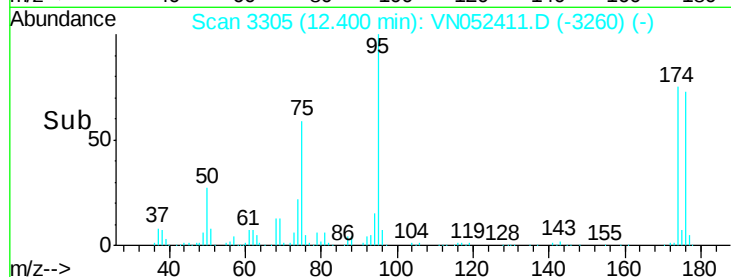
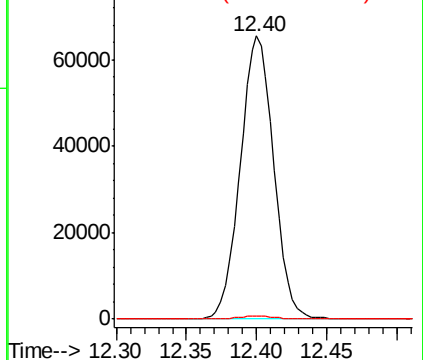
75 100

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: 150.84 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052411.D

Acq: 20 Nov 2018 16:52

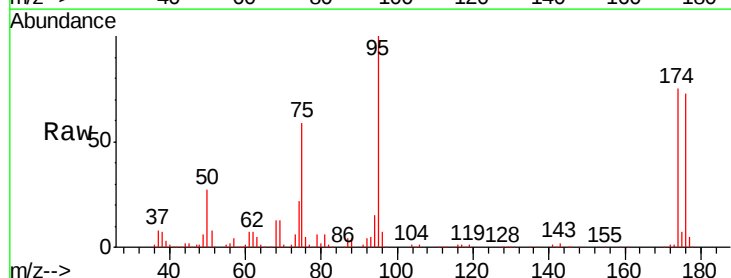
Tgt Ion: 75 Resp: 108565

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

89 0.1 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

