

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053843.D
 Acq On : 18 Feb 2019 15:15
 Operator : JC/SP
 Sample : PB117159ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#07

Quant Time: Feb 19 03:01:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	666576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1126475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1159305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	448586	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	355485	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	7.59	113	356634	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	1383326	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.40	95	490048	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	

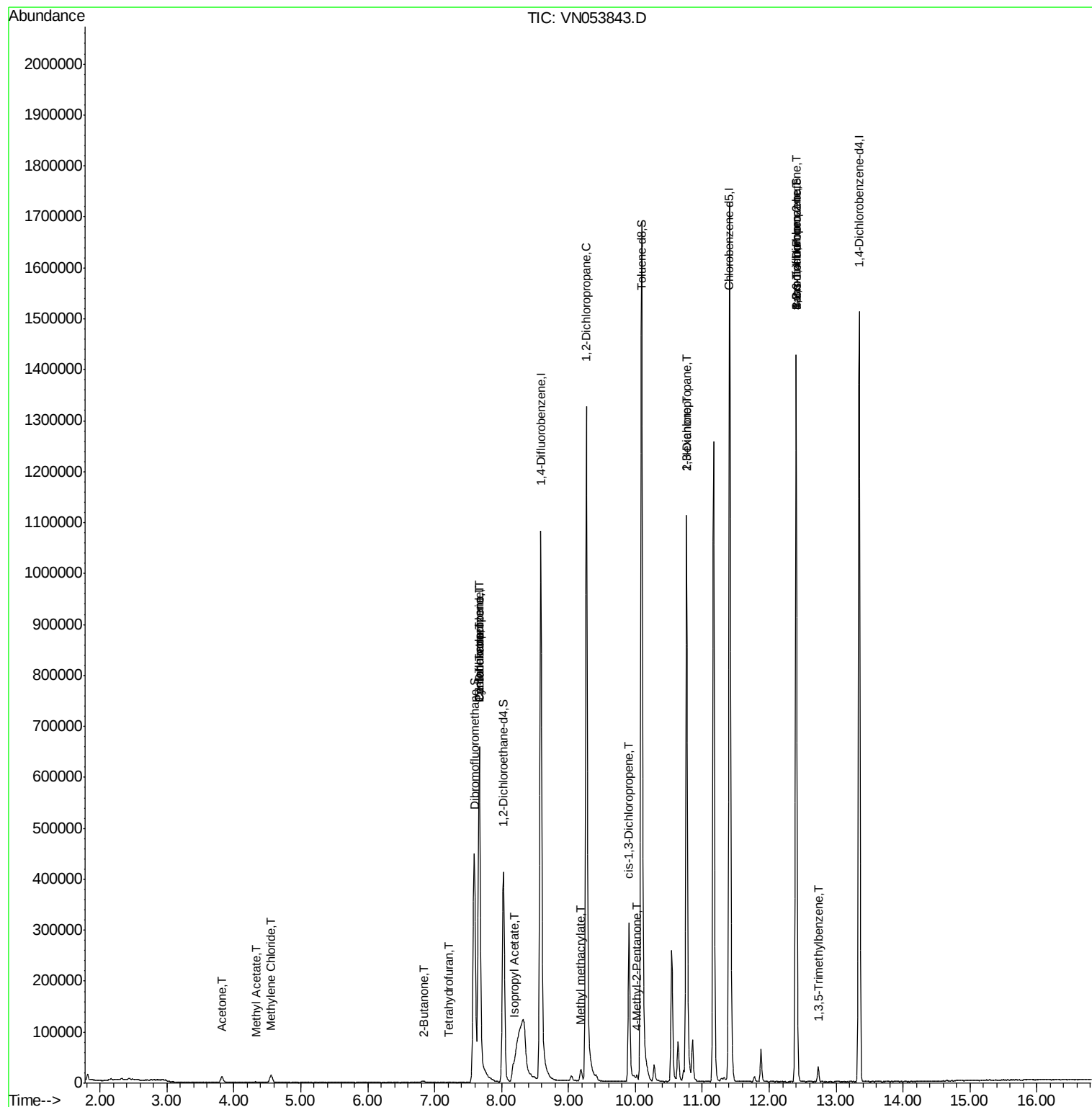
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21567	12.574	ug/l	100
18) Methyl Acetate	4.34	43	3358	0.661	ug/l #	77
20) Methylene Chloride	4.55	84	11608	1.613	ug/l	93
25) 2-Butanone	6.84	43	2858	1.168	ug/l #	47
29) Tetrahydrofuran	7.21	42	803	0.511	ug/l #	66
31) Cyclohexane	7.67	56	9422	0.666	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38286	3.770	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55538	5.429	ug/l #	16
43) Isopropyl Acetate	8.18	43	28204	2.575	ug/l #	85
45) 1,2-Dichloropropane	9.27	63	1785	0.223	ug/l #	43
48) Methyl methacrylate	9.18	41	8415	1.610	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	7701	1.431	ug/l #	34
54) cis-1,3-Dichloropropene	9.91	75	64152	5.386	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	13165	1.150	ug/l #	43
59) 2-Hexanone	10.76	43	165053	45.174	ug/l #	50
71) Bromoform	12.40	173	3551	0.602	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	223509	38.791	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16063	0.614	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	223509	109.078	ug/l #	15

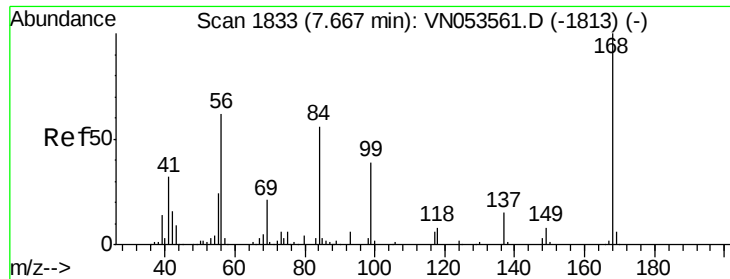
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
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: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

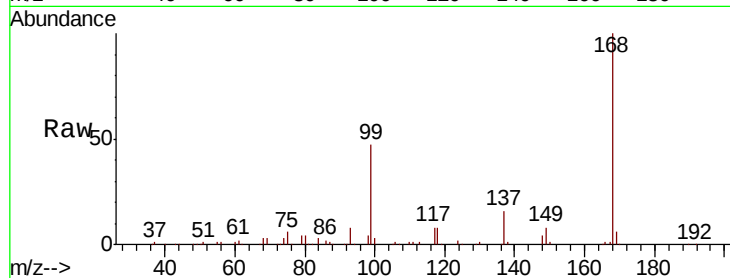
PB117159ZHE#07

Tgt Ion:168 Resp: 666576

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

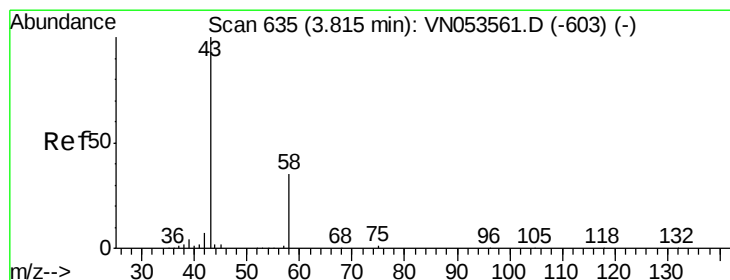
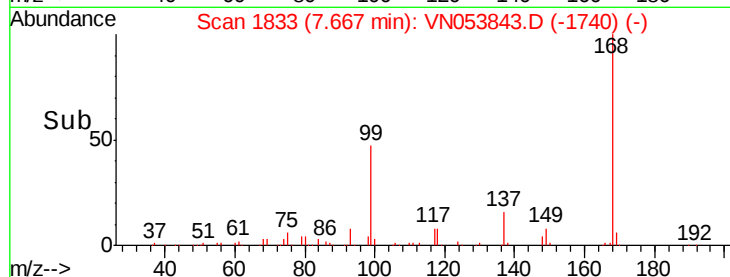
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 12.574 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053843.D

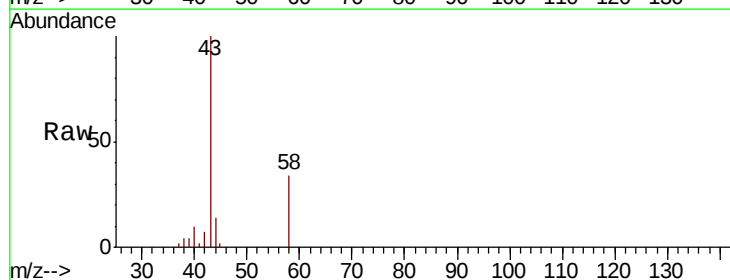
Acq: 18 Feb 2019 15:15

Tgt Ion: 43 Resp: 21567

Ion Ratio Lower Upper

43 100

58 33.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

6000

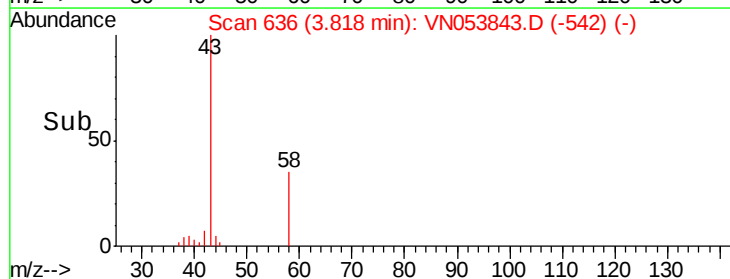
4000

2000

0

3.70 3.80 3.90

Time-->

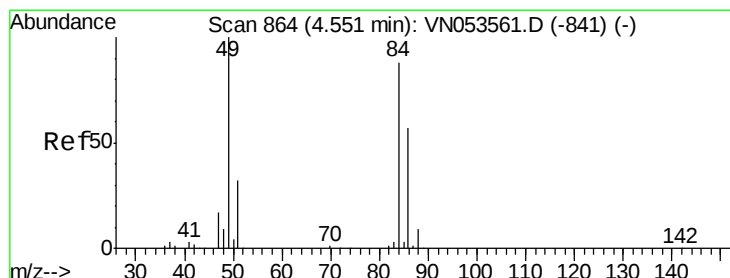
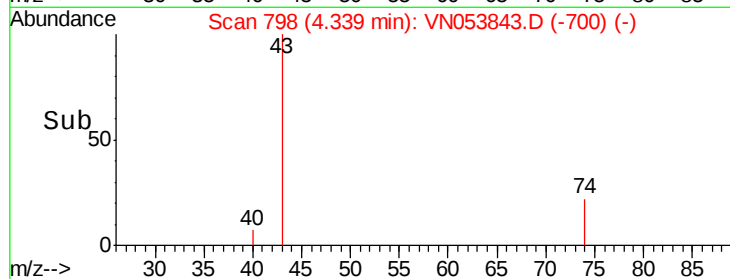
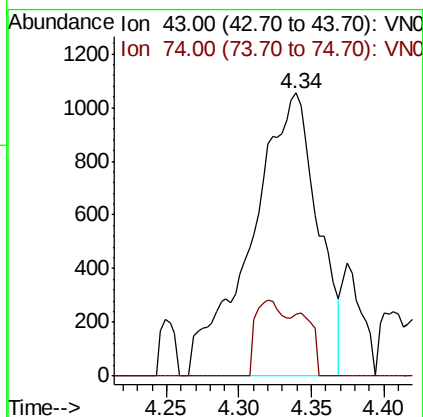
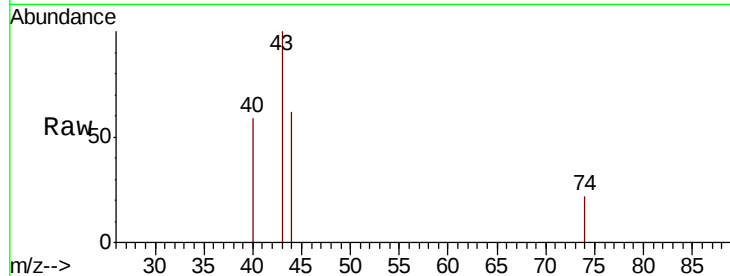




#18
Methyl Acetate
Concen: 0.661 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

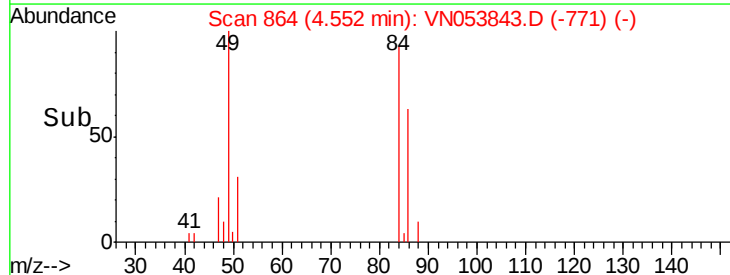
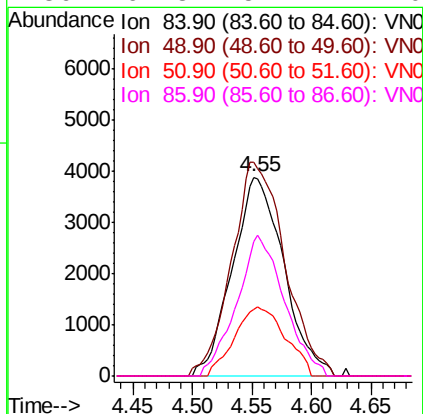
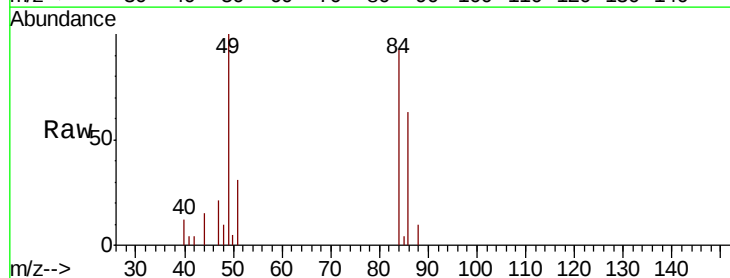
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#07

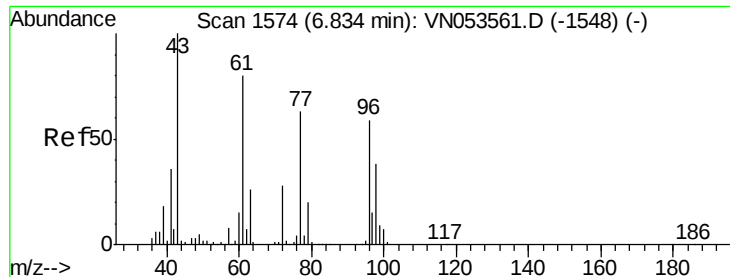
Tgt Ion: 43 Resp: 3358
Ion Ratio Lower Upper
43 100
74 12.7 19.4 29.2#



#20
Methylene Chloride
Concen: 1.613 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

Tgt Ion: 84 Resp: 11608
Ion Ratio Lower Upper
84 100
49 107.3 94.3 141.5
51 33.5 29.4 44.2
86 67.8 51.4 77.0

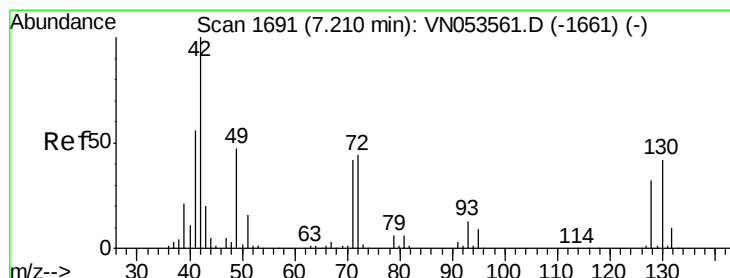
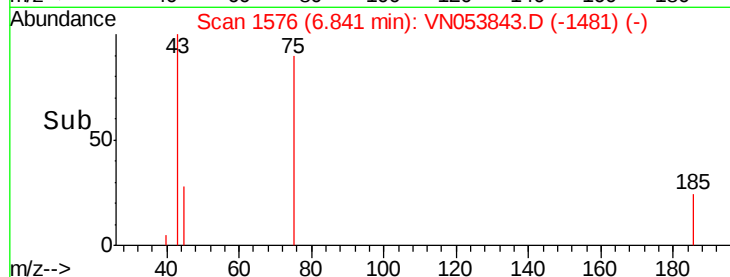
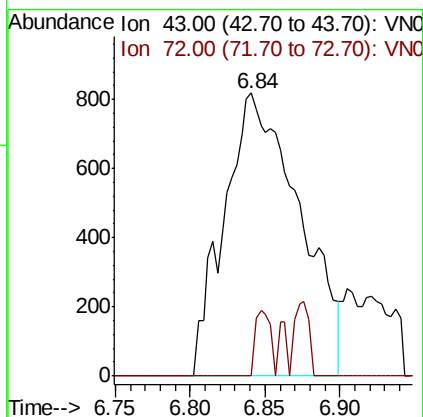
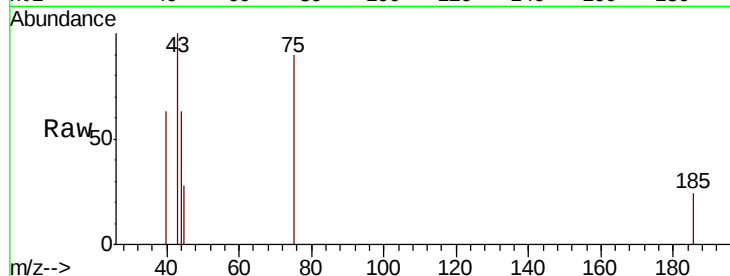




#25
 2-Butanone
 Concen: 1.168 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

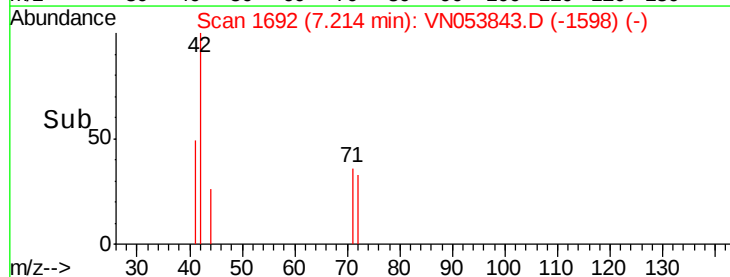
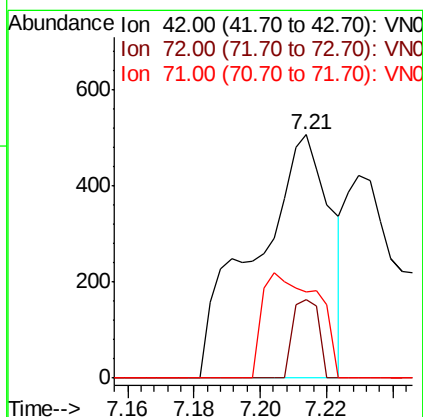
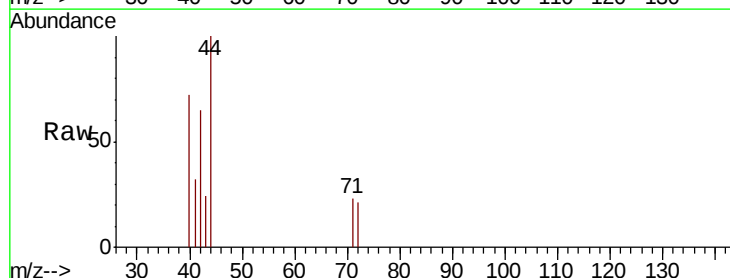
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#07

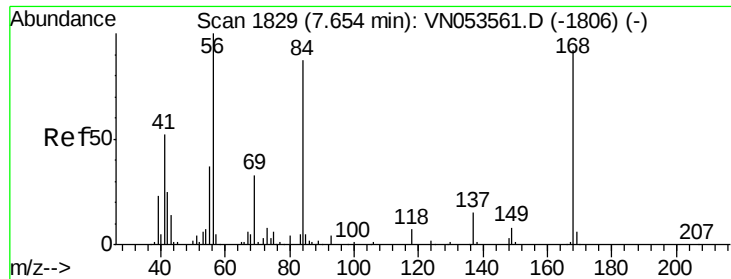
Tgt Ion: 43 Resp: 2858
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.511 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

Tgt Ion: 42 Resp: 803
 Ion Ratio Lower Upper
 42 100
 72 11.2 35.2 52.8#
 71 31.5 33.0 49.4#

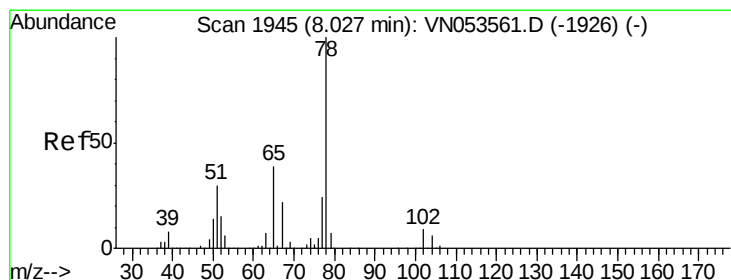
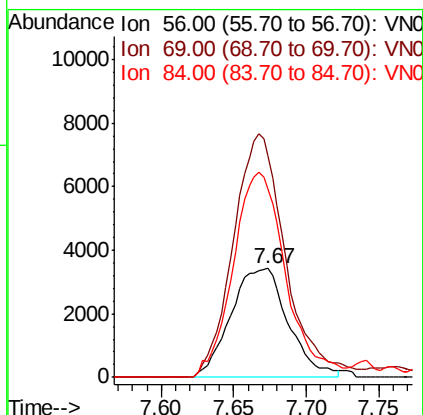
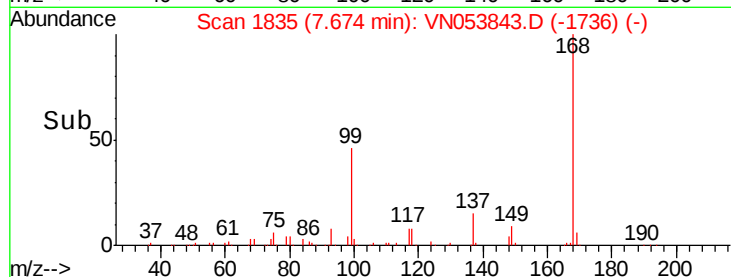
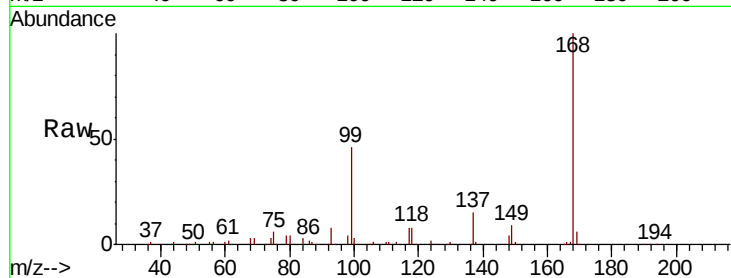




#31
Cyclohexane
Concen: 0.666 ug/l
RT: 7.67 min Scan# 1835
Delta R.T. 0.02 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

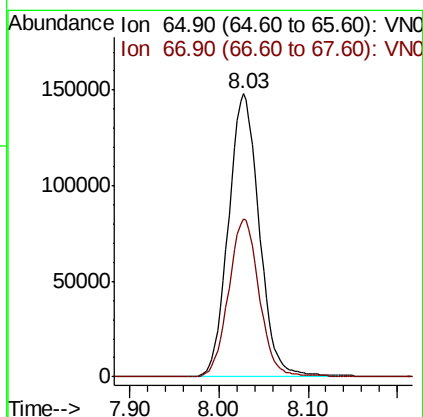
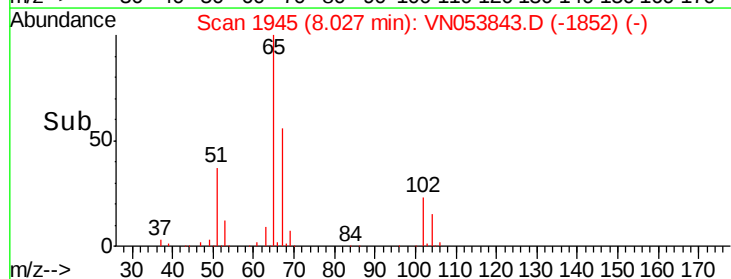
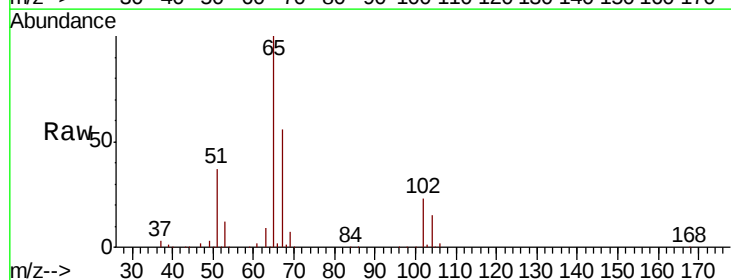
Instrument :
MSVOA_N
ClientSampleId :
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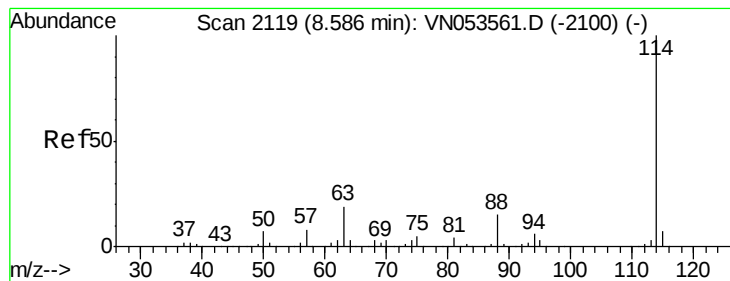
Tgt Ion: 56 Resp: 9422
Ion Ratio Lower Upper
56 100
69 204.7 26.4 39.6#
84 173.1 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: 53.160 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

Tgt Ion: 65 Resp: 355485
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#07

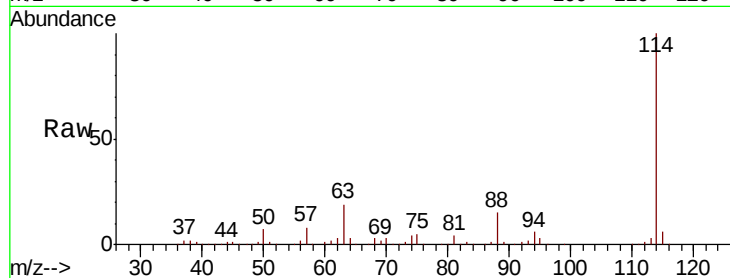
Tgt Ion:114 Resp: 1126475

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

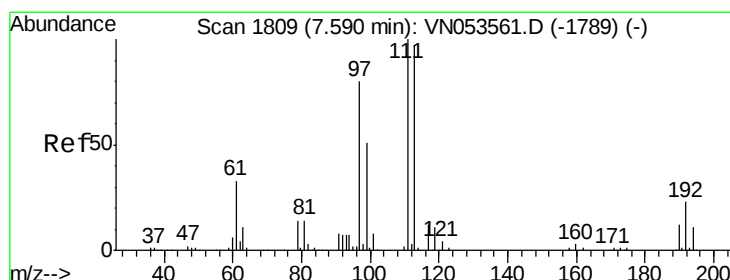
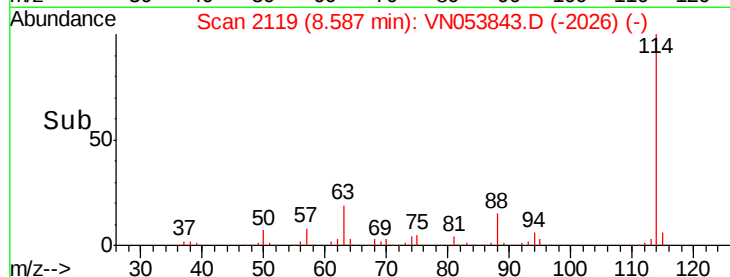
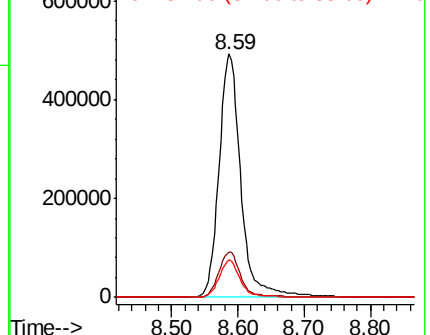
88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.104 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

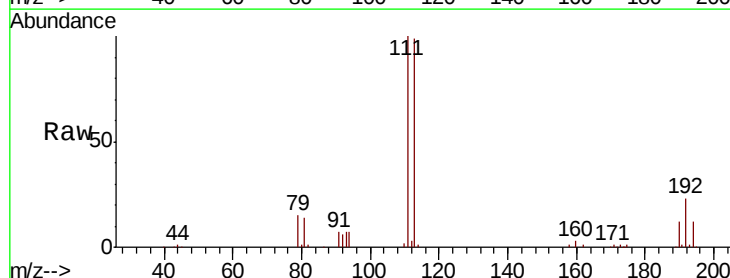
Tgt Ion:113 Resp: 356634

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

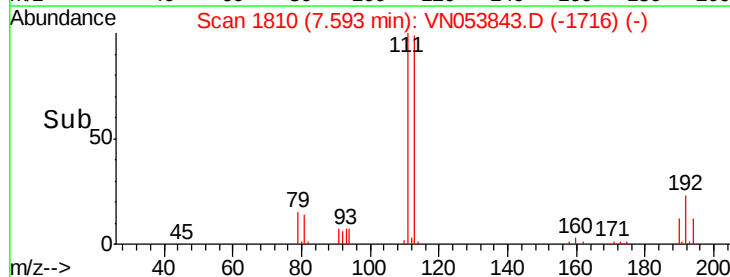
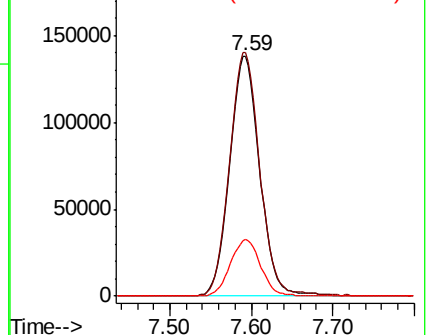
192 23.7 18.2 27.2

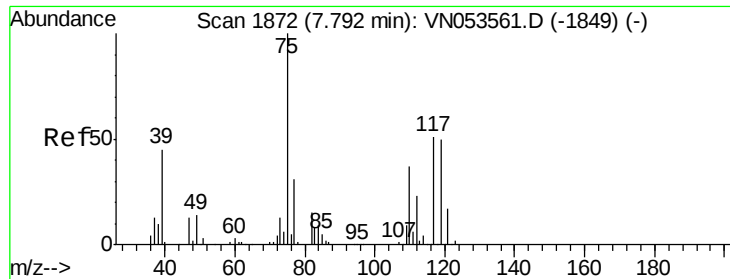


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

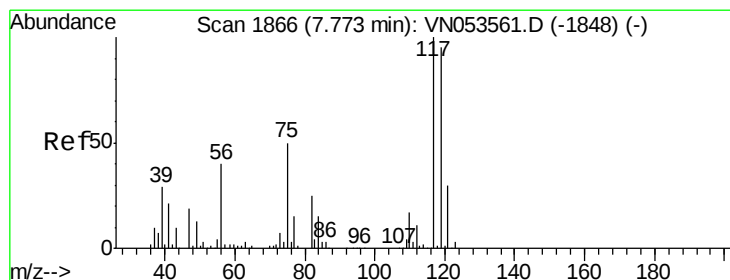
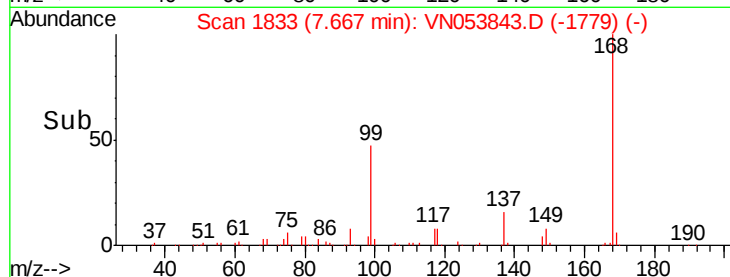
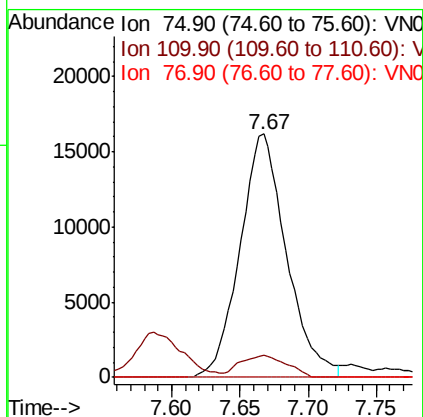
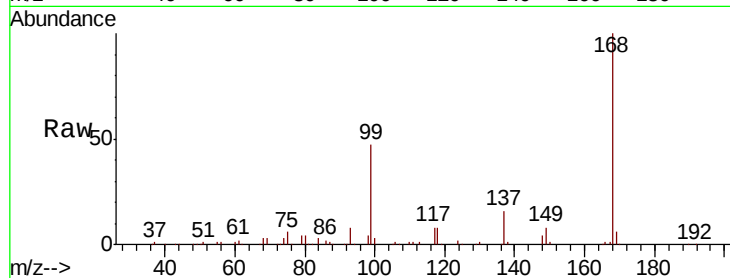




#36
 1,1-Dichloropropene
 Concen: 3.770 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

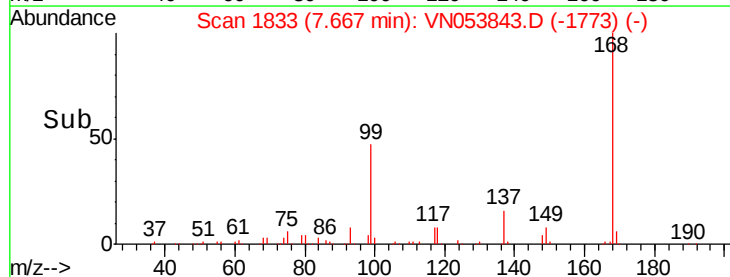
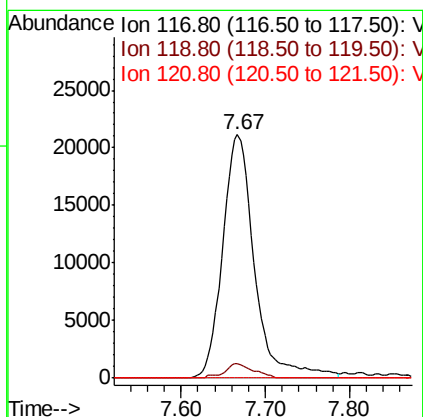
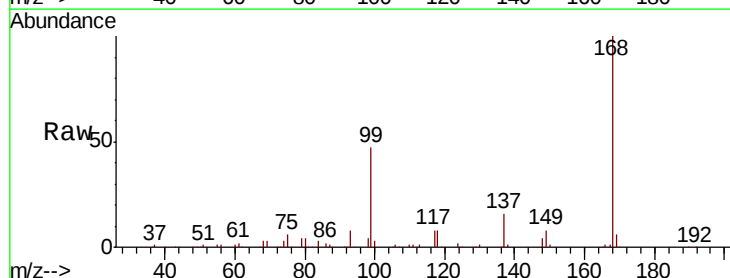
Instrument :
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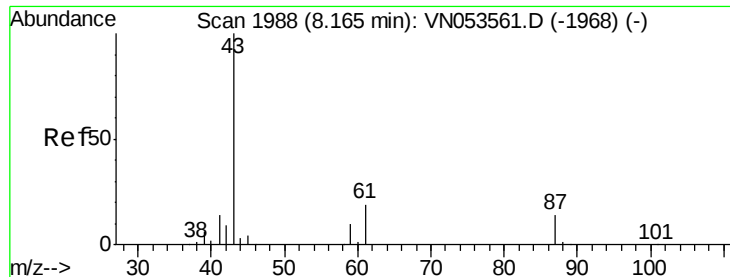
Tgt Ion: 75 Resp: 38286
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.429 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

Tgt Ion: 117 Resp: 55538
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 2.575 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#07

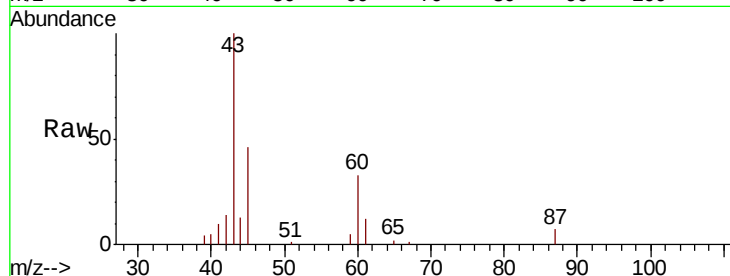
Tgt Ion: 43 Resp: 28204

Ion Ratio Lower Upper

43 100

61 20.1 23.9 35.9#

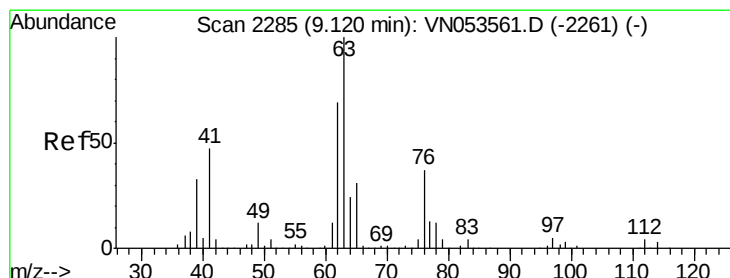
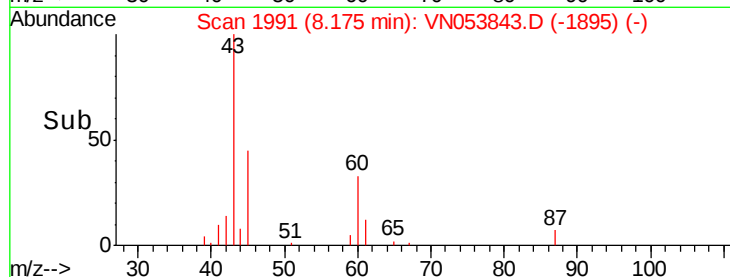
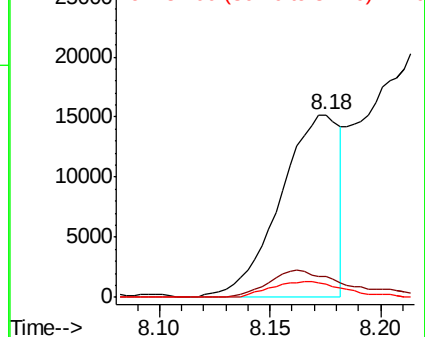
87 10.9 11.0 16.6#



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: 0.223 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053843.D

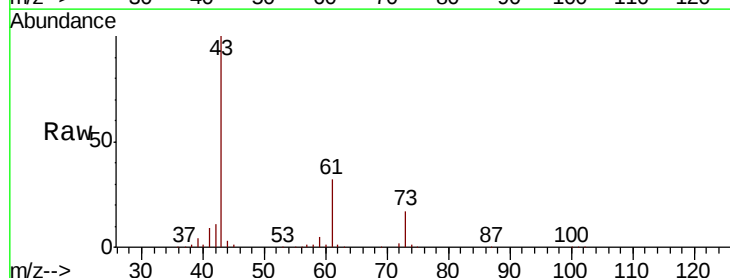
Acq: 18 Feb 2019 15:15

Tgt Ion: 63 Resp: 1785

Ion Ratio Lower Upper

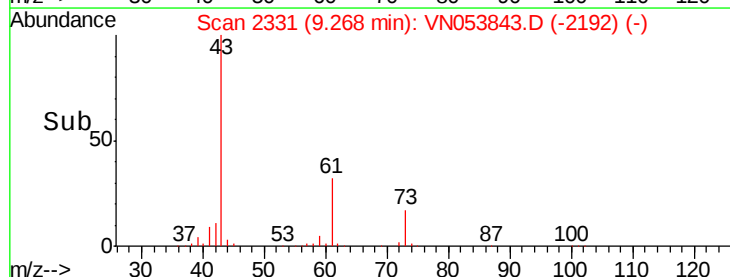
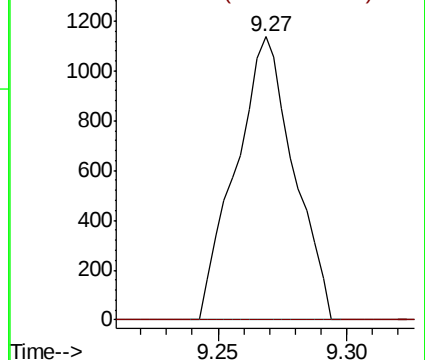
63 100

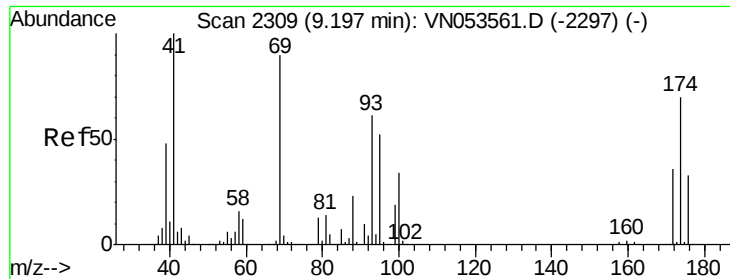
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

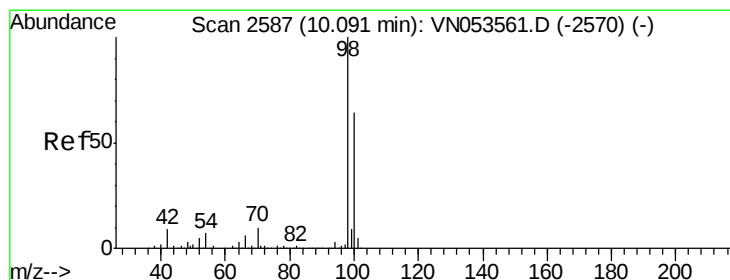
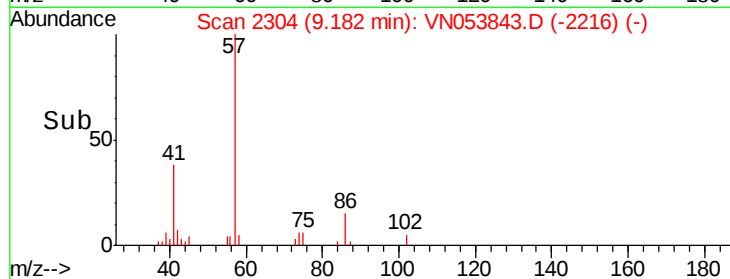
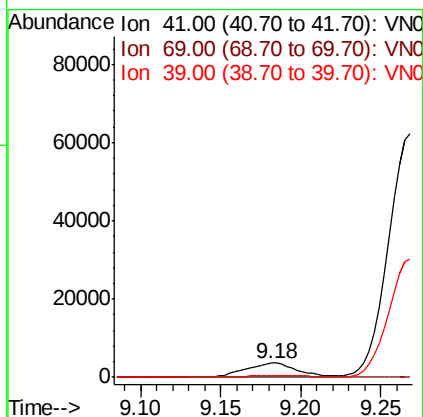
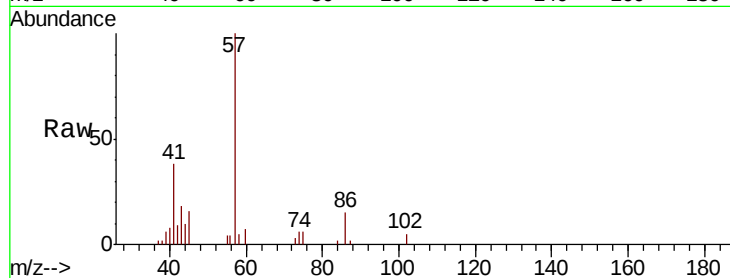




#48
Methyl methacrylate
Concen: 1.610 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

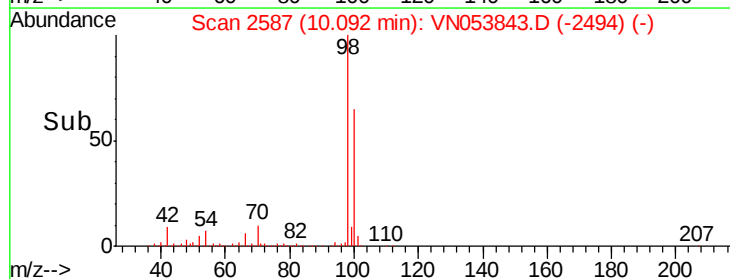
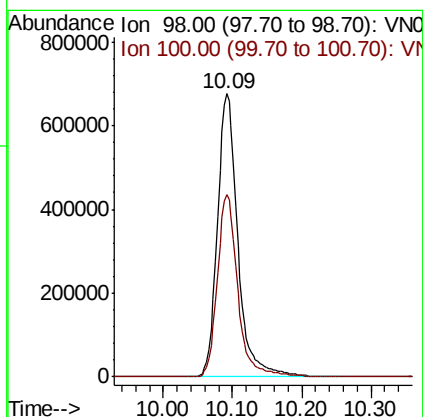
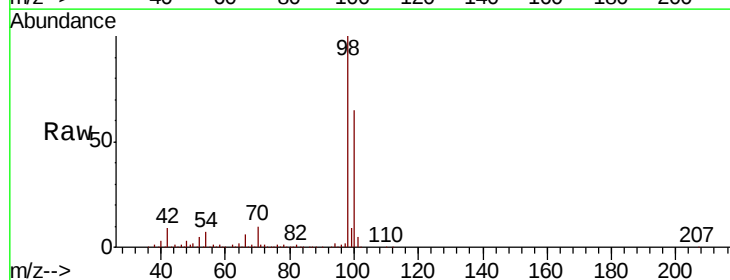
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#07

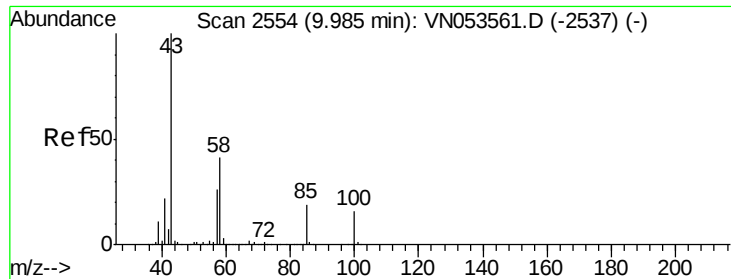
Tgt Ion: 41 Resp: 8415
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#50
Toluene-d8
Concen: 51.759 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

Tgt Ion: 98 Resp: 1383326
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.431 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

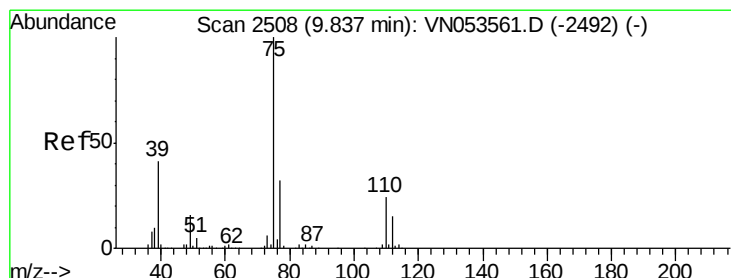
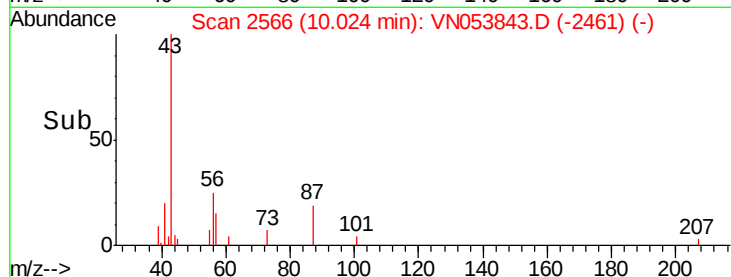
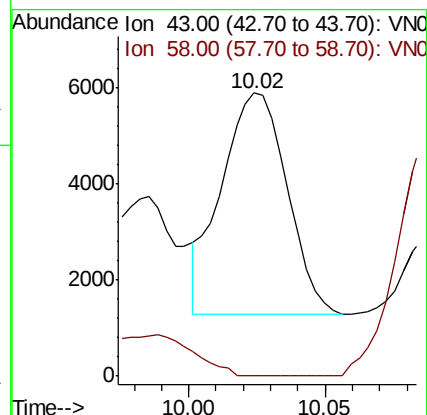
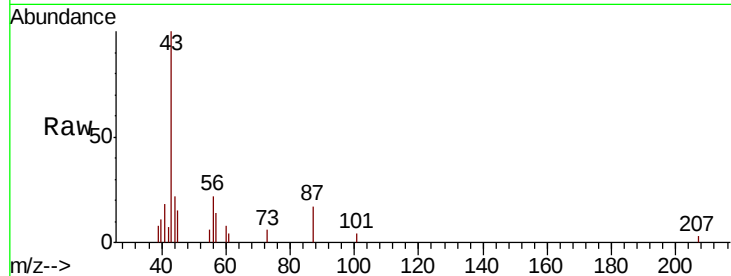
PB117159ZHE#07

Tgt Ion: 43 Resp: 7701

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



#54

cis-1,3-Dichloropropene

Concen: 5.386 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

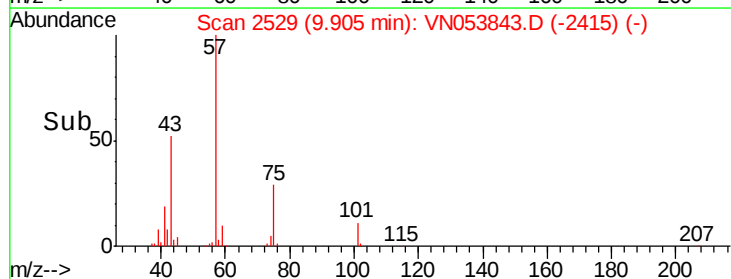
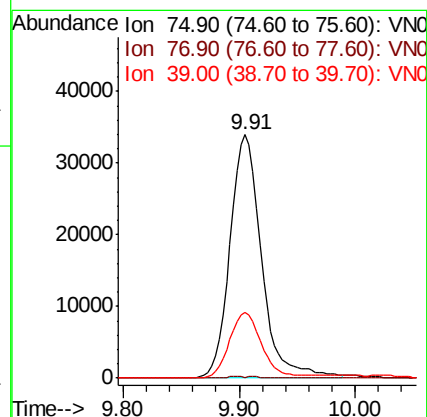
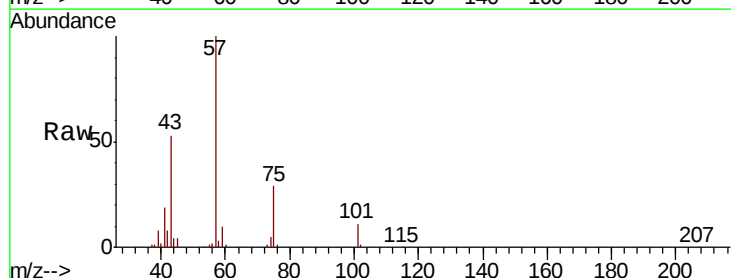
Tgt Ion: 75 Resp: 64152

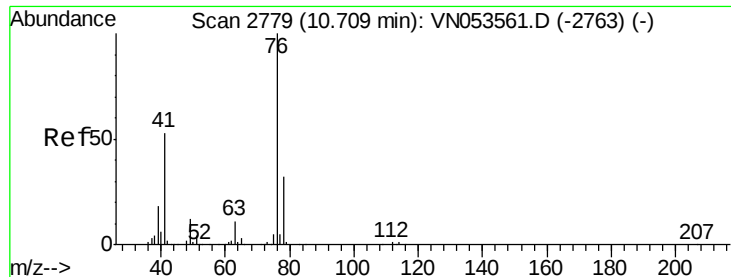
Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

39 26.7 33.4 50.0#

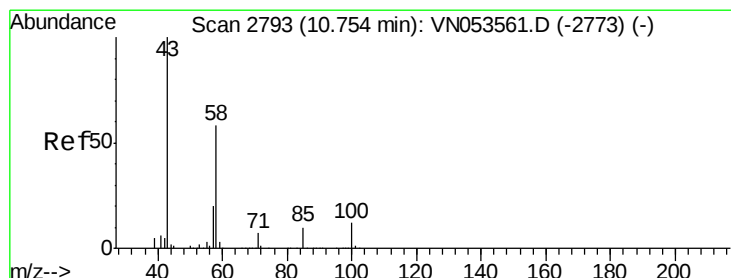
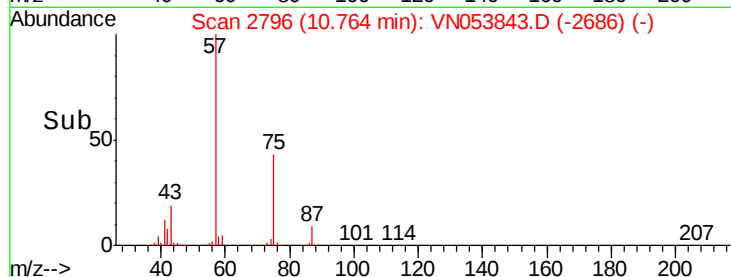
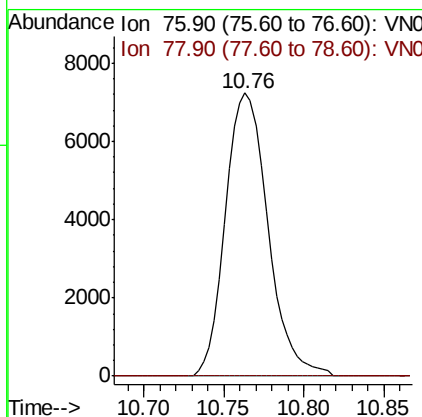
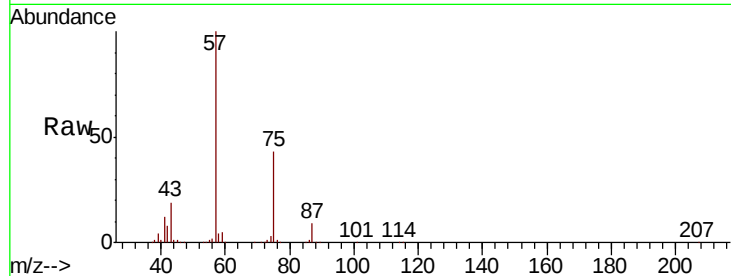




#57
 1,3-Dichloropropane
 Concen: 1.150 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

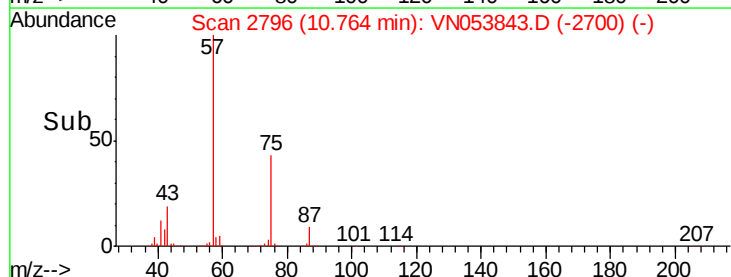
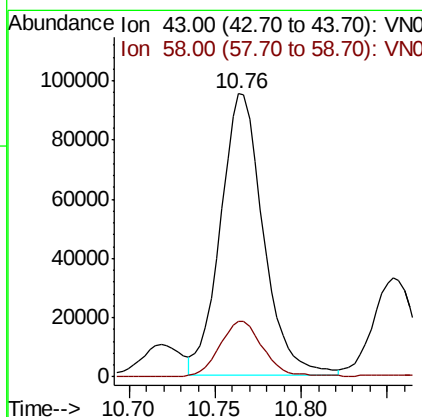
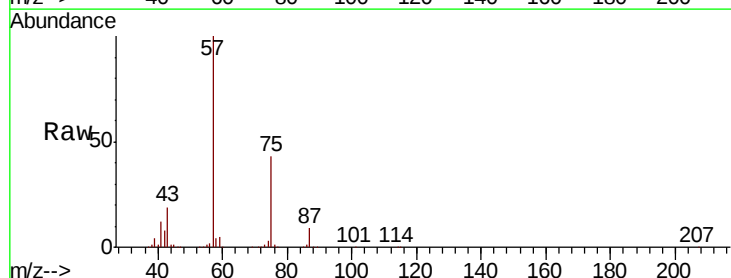
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#07

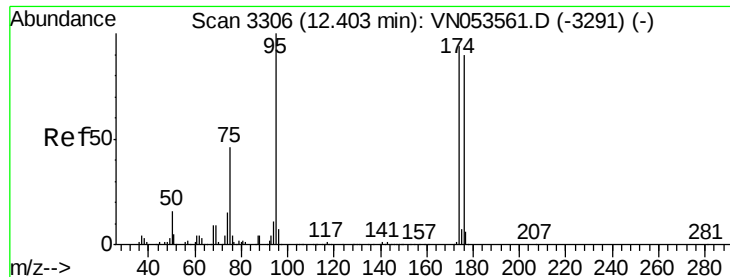
Tgt Ion: 76 Resp: 13165
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 45.174 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053843.D
 Acq: 18 Feb 2019 15:15

Tgt Ion: 43 Resp: 165053
 Ion Ratio Lower Upper
 43 100
 58 20.5 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 54.977 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#07

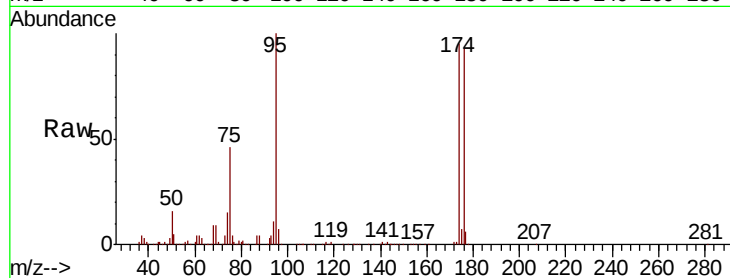
Tgt Ion: 95 Resp: 490048

Ion Ratio Lower Upper

95 100

174 95.2 0.0 183.2

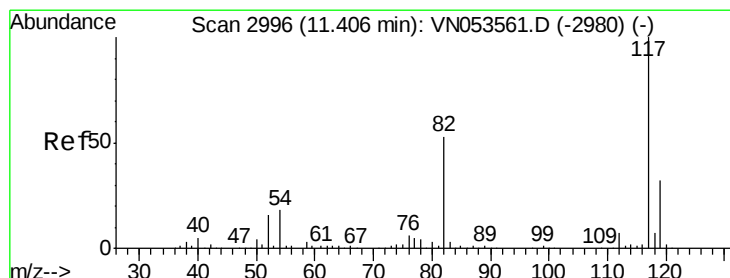
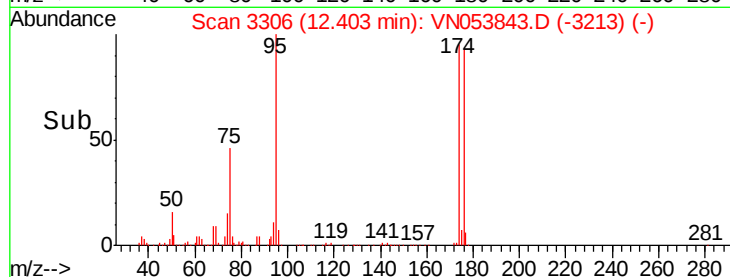
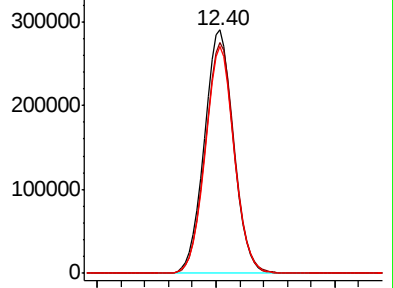
176 92.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

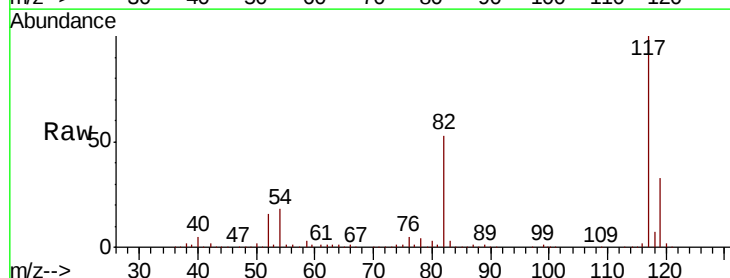
Tgt Ion: 117 Resp: 1159305

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

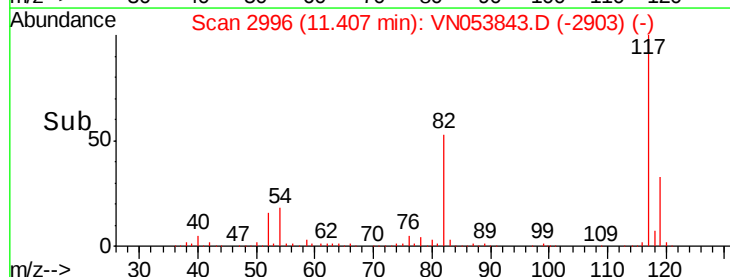
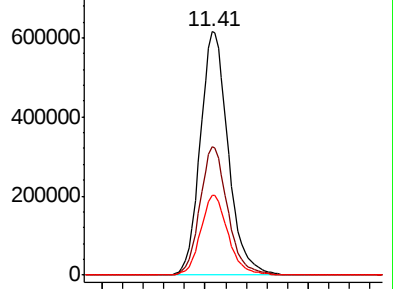
119 32.7 26.0 39.0

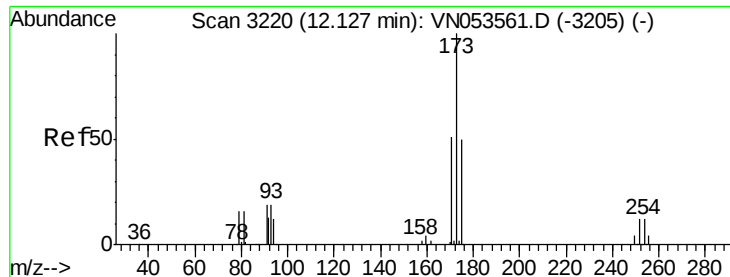


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

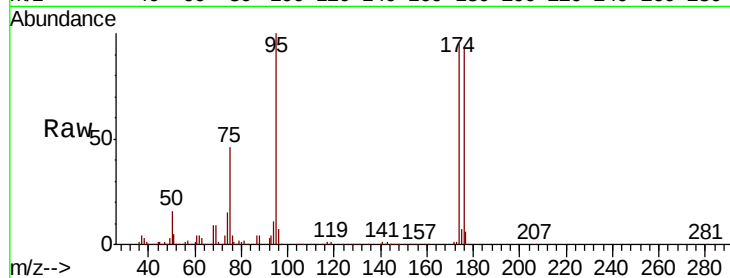




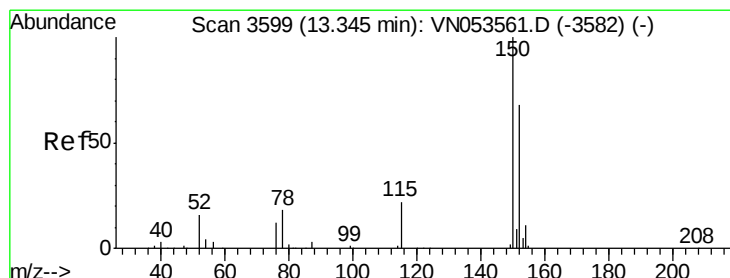
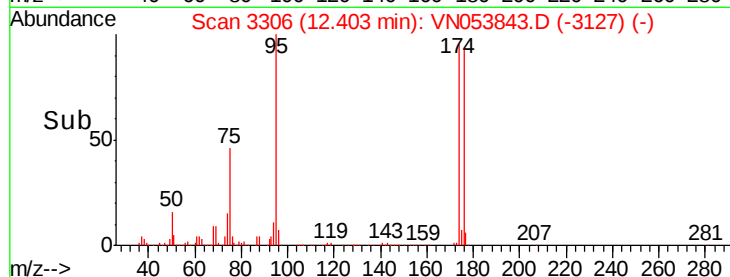
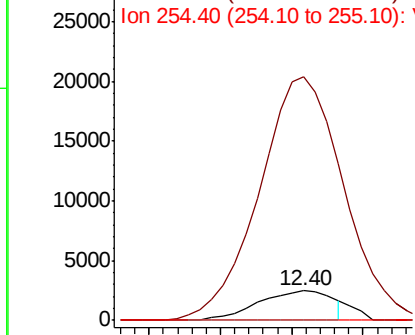
#71
Bromoform
Concen: 0.602 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#07

Tgt Ion:173 Resp: 3551
Ion Ratio Lower Upper
173 100
175 810.4 24.6 74.0#
254 0.0 0.2 0.2#

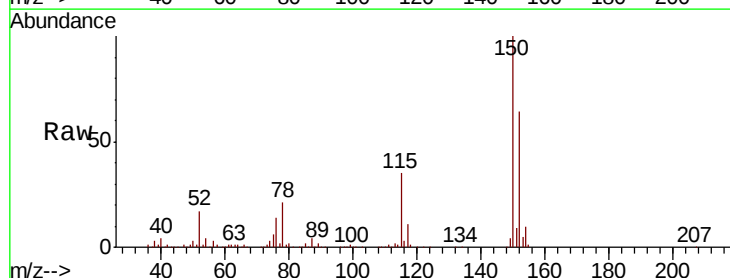


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

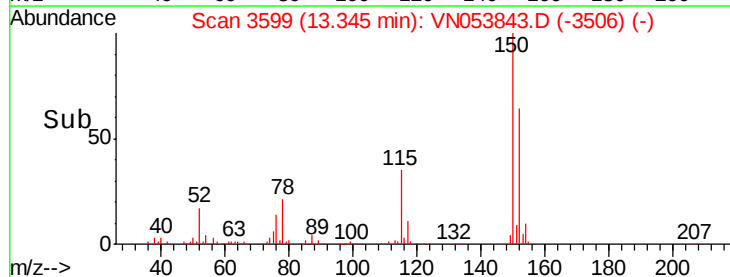
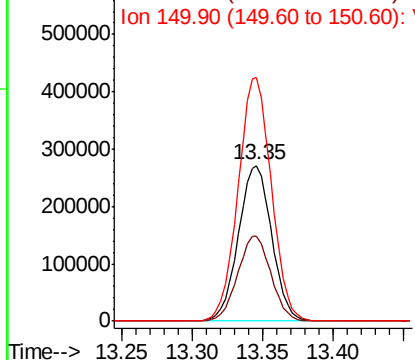


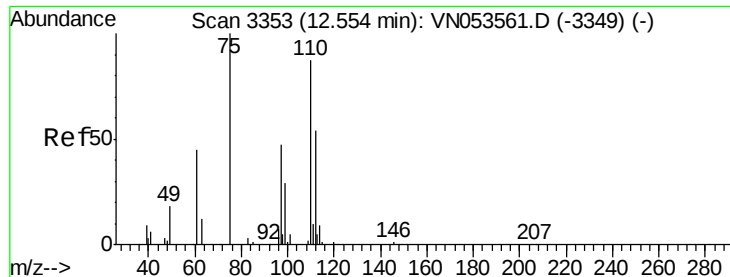
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053843.D
Acq: 18 Feb 2019 15:15

Tgt Ion:152 Resp: 448586
Ion Ratio Lower Upper
152 100
115 54.5 27.8 83.4
150 156.6 0.0 349.0



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: 38.791 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

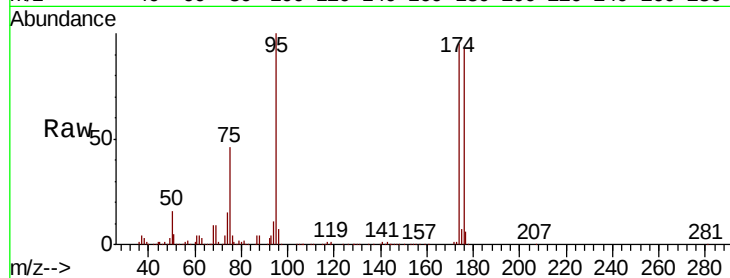
PB117159ZHE#07

Tgt Ion: 75 Resp: 223509

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)

12.40

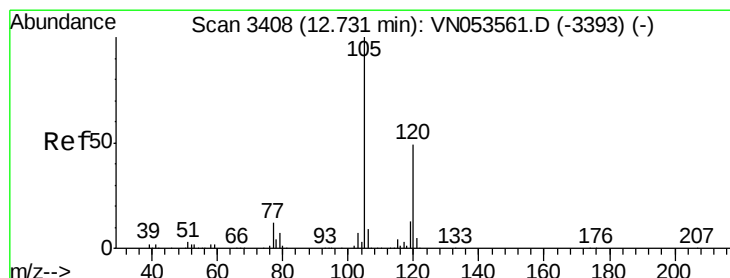
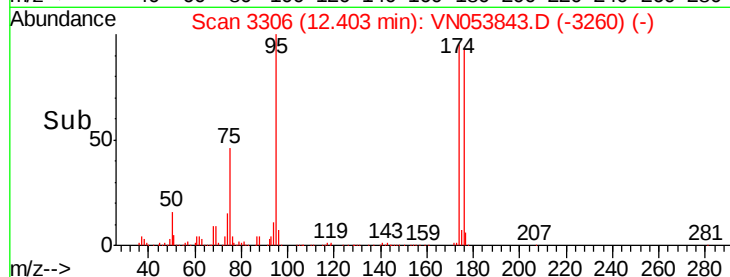
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.614 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053843.D

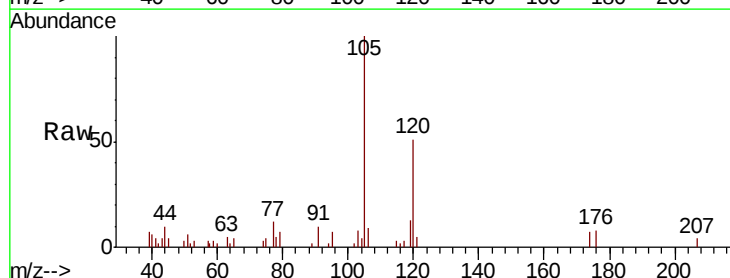
Acq: 18 Feb 2019 15:15

Tgt Ion: 105 Resp: 16063

Ion Ratio Lower Upper

105 100

120 46.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

12.73

10000

8000

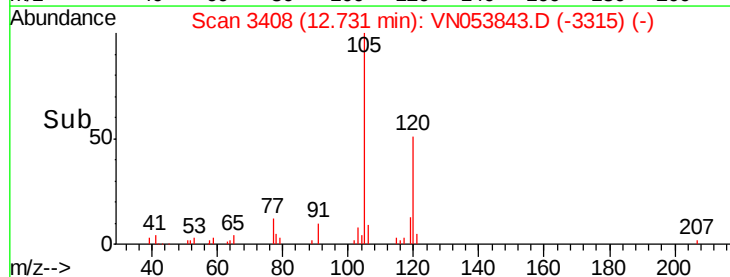
6000

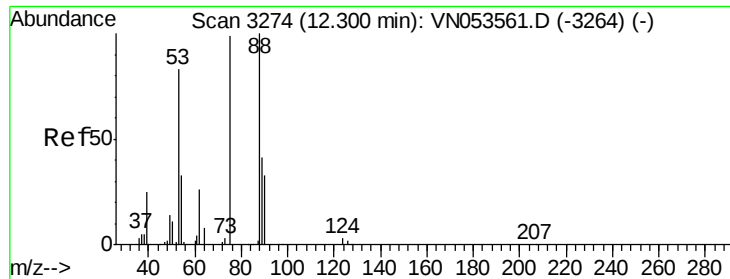
4000

2000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 109.078 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053843.D

Acq: 18 Feb 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#07

Tgt Ion: 75 Resp: 223509

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

89 0.0 35.6 53.4#

