

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053839.D
 Acq On : 18 Feb 2019 13:28
 Operator : JC/SP
 Sample : PB117159ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#03

Quant Time: Feb 19 03:00:57 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	654808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1109155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1042526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406323	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	349592	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.59	113	349259	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.09	98	1351531	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	456724	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

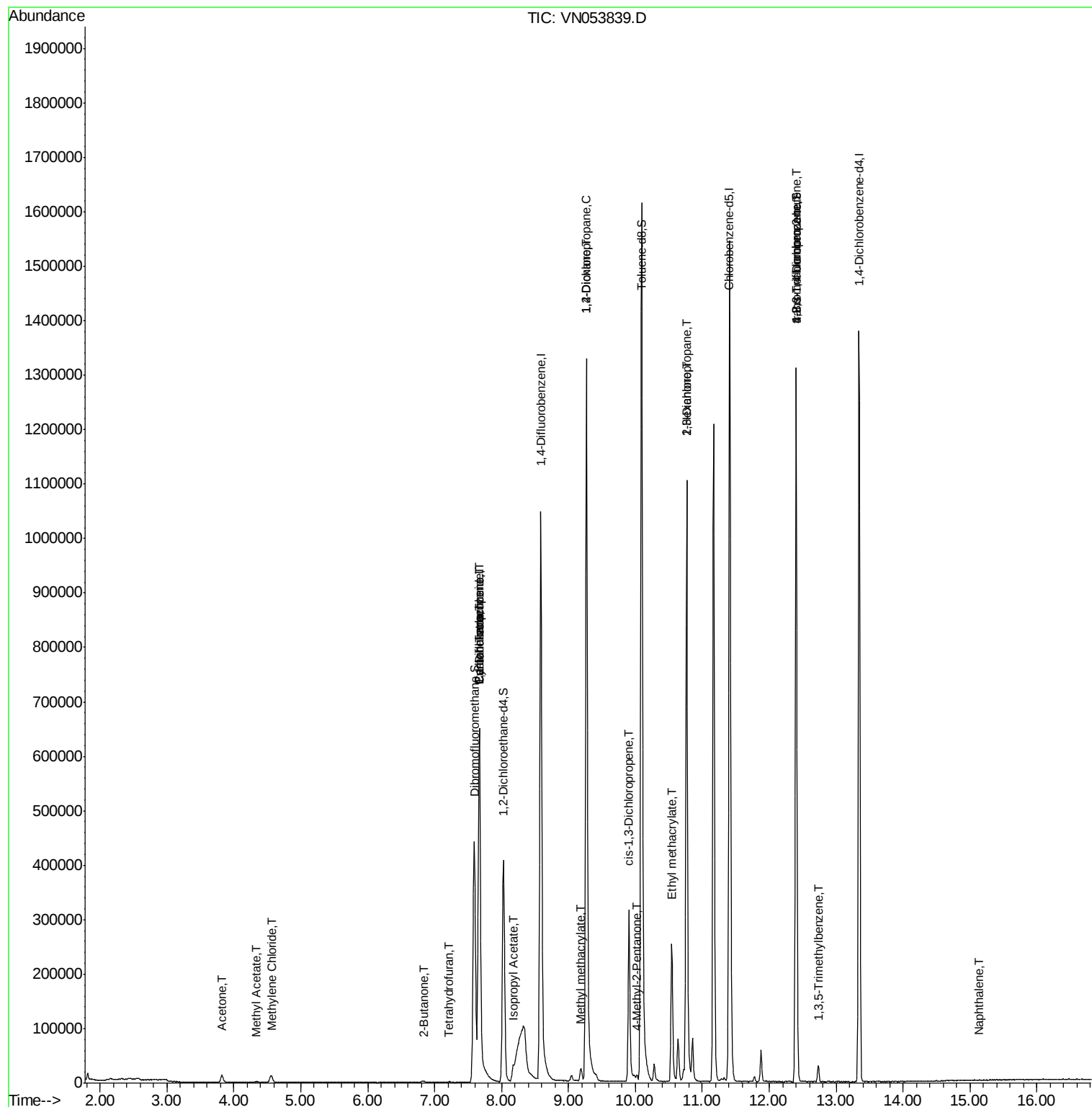
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	23710	14.072	ug/l	95
18) Methyl Acetate	4.33	43	3764	0.754	ug/l #	79
20) Methylene Chloride	4.56	84	10171	1.439	ug/l	93
25) 2-Butanone	6.84	43	2662	1.108	ug/l #	47
29) Tetrahydrofuran	7.22	42	766	0.496	ug/l #	58
31) Cyclohexane	7.66	56	9315	0.671	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39054	3.906	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51323	5.095	ug/l #	16
43) Isopropyl Acetate	8.18	43	33956	3.149	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	1933	0.245	ug/l #	43
48) Methyl methacrylate	9.18	41	8359	1.624	ug/l #	12
49) 1,4-Dioxane	9.27	88	98	40.361	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7943	1.499	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	66686	5.686	ug/l #	63
56) Ethyl methacrylate	10.54	69	1561	0.200	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13089	1.161	ug/l #	43
59) 2-Hexanone	10.77	43	165473	45.996	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	212582	40.733	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16620	0.702	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	212582	114.537	ug/l #	15
95) Naphthalene	15.13	128	380	1.757	ug/l #	69

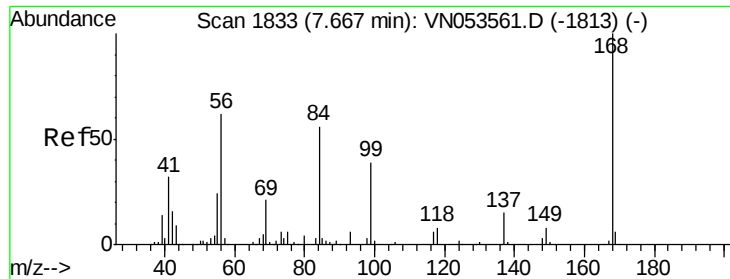
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

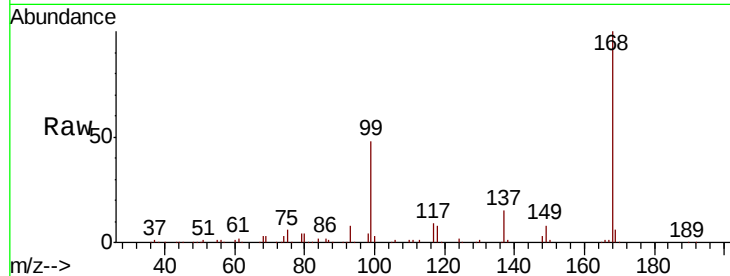
PB117159ZHE#03

Tgt Ion:168 Resp: 654808

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053839.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053839.D (-1740) (-)

7.67

250000

200000

150000

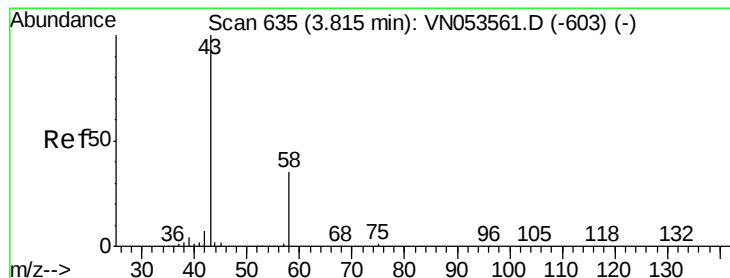
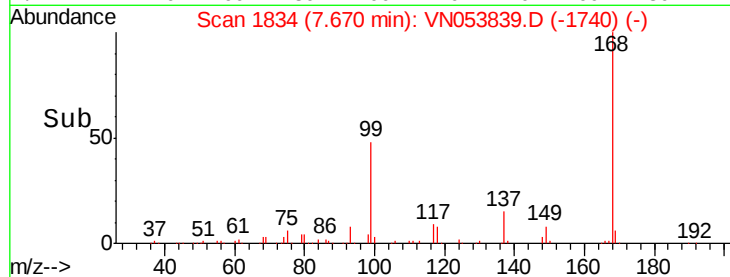
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 14.072 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053839.D

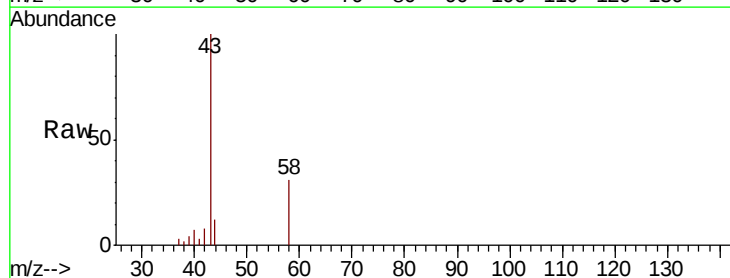
Acq: 18 Feb 2019 13:28

Tgt Ion: 43 Resp: 23710

Ion Ratio Lower Upper

43 100

58 31.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053839.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053839.D (-542) (-)

3.82

10000

8000

6000

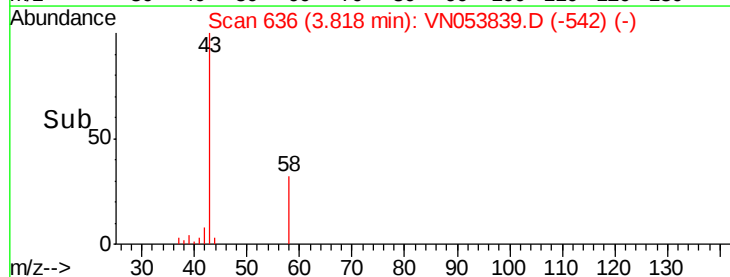
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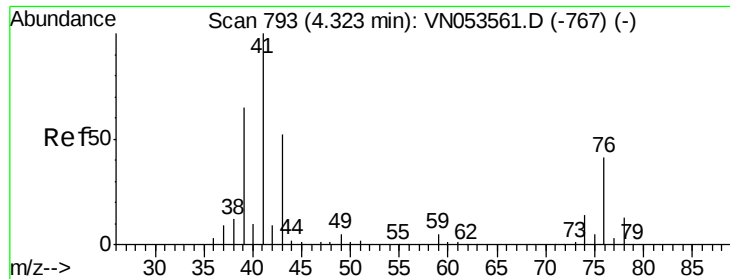
2000

0

3.70 3.75 3.80 3.85 3.90

Time-->

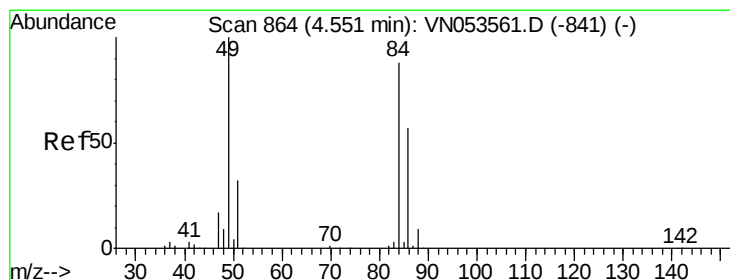
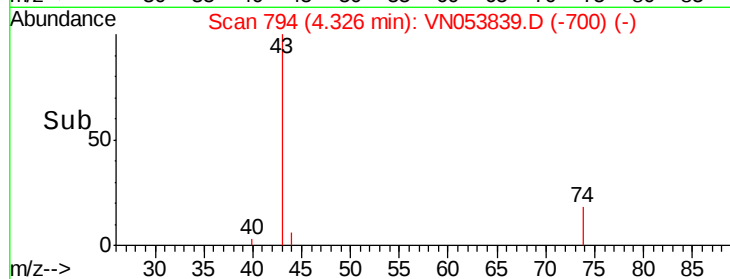
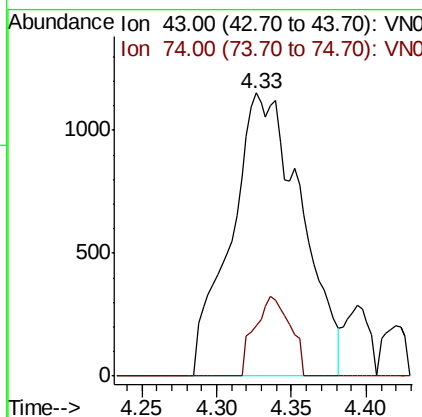
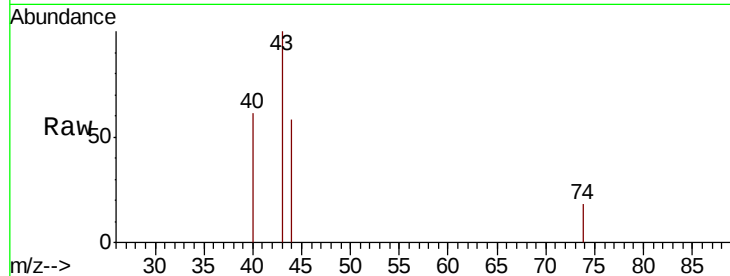




#18
Methyl Acetate
Concen: 0.754 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

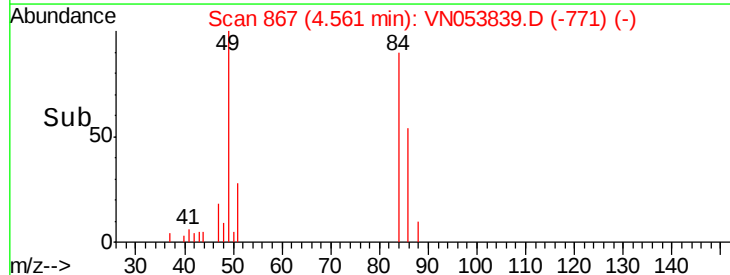
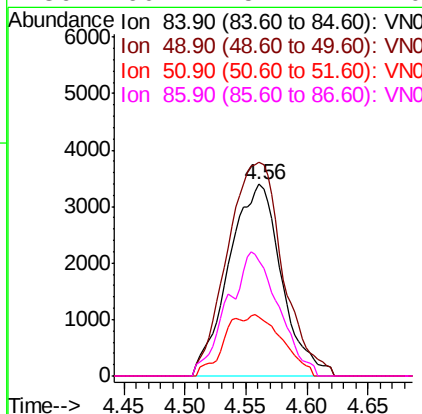
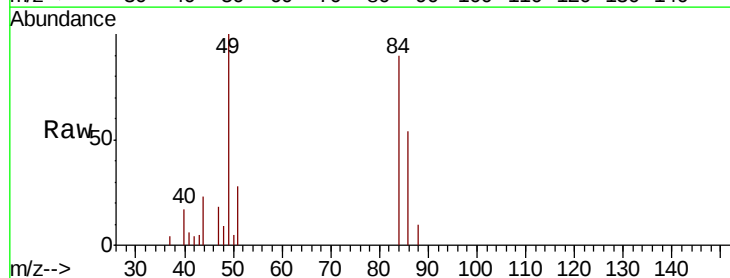
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#03

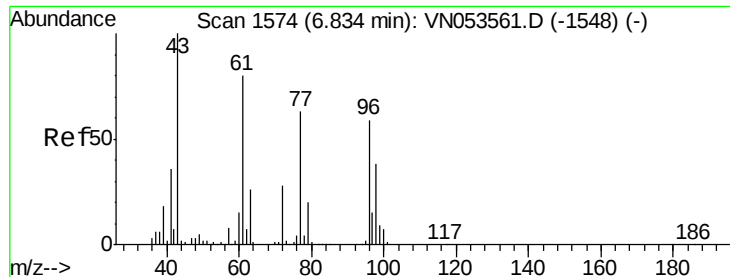
Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
74 14.1 19.4 29.2#



#20
Methylene Chloride
Concen: 1.439 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

Tgt Ion: 84 Resp: 10171
Ion Ratio Lower Upper
84 100
49 111.2 94.3 141.5
51 30.7 29.4 44.2
86 60.1 51.4 77.0





#25

2-Butanone

Concen: 1.108 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

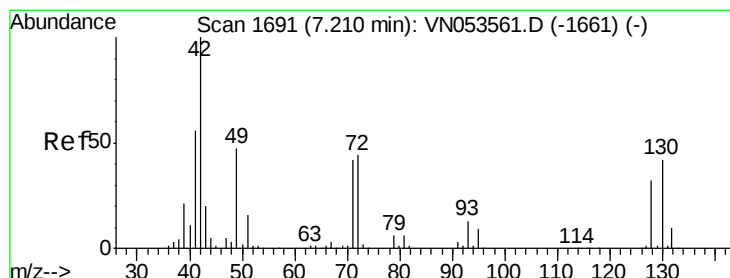
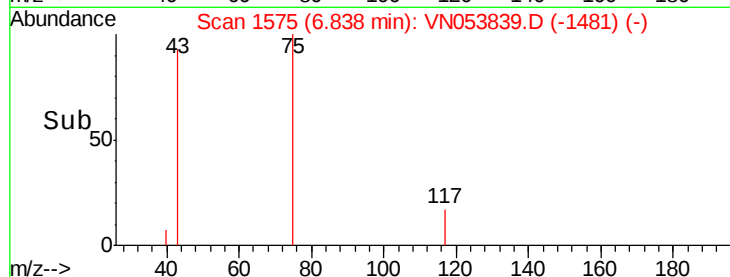
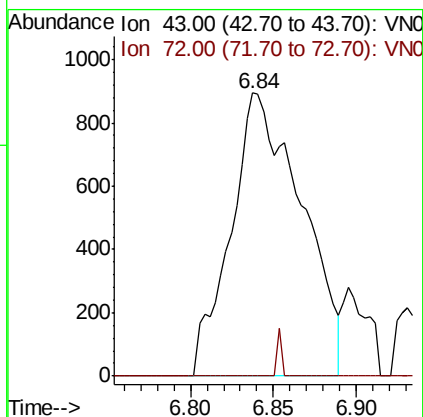
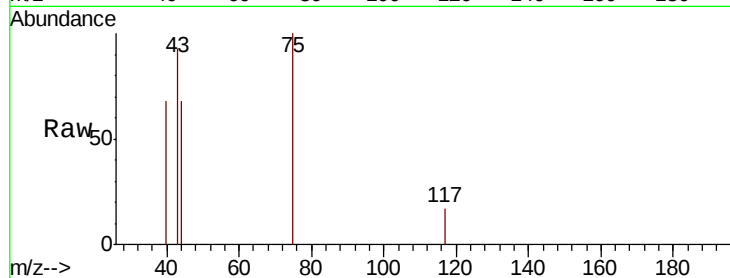
PB117159ZHE#03

Tgt Ion: 43 Resp: 2662

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

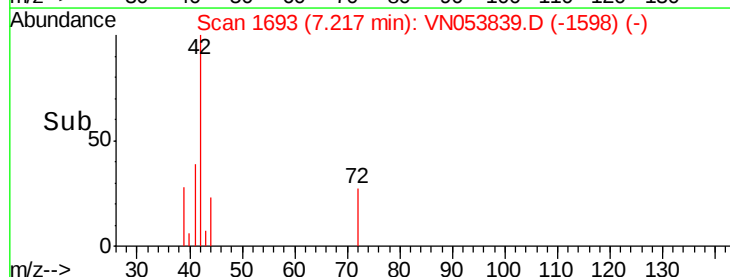
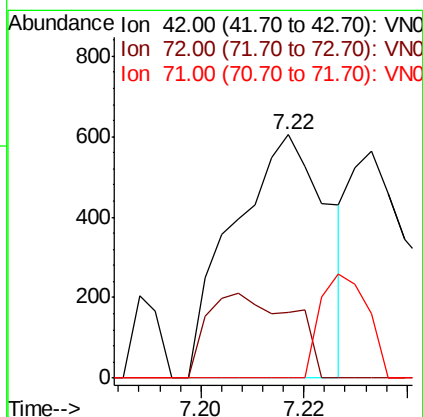
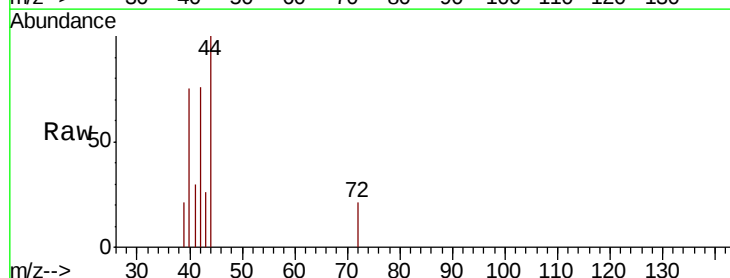
Tgt Ion: 42 Resp: 766

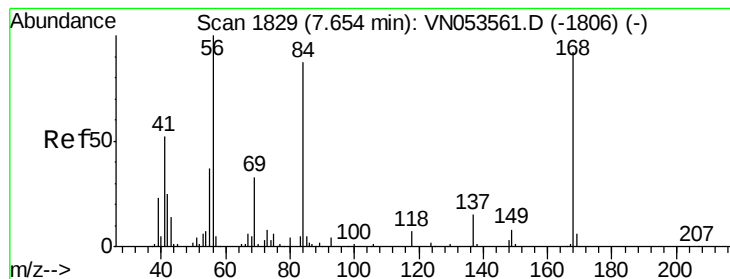
Ion Ratio Lower Upper

42 100

72 31.2 35.2 52.8#

71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.671 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#03

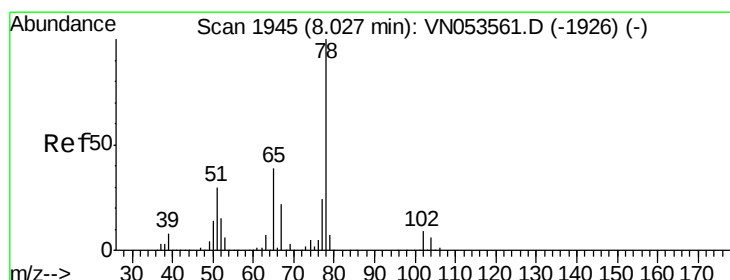
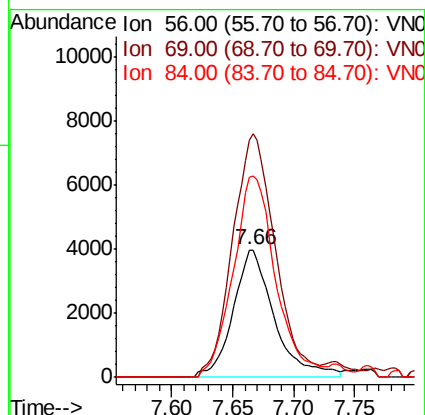
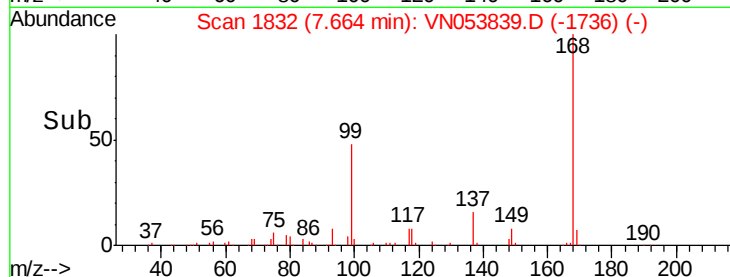
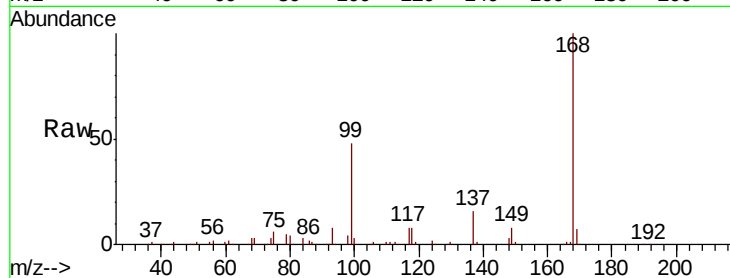
Tgt Ion: 56 Resp: 9315

Ion Ratio Lower Upper

56 100

69 186.2 26.4 39.6#

84 157.1 67.9 101.9#



#33

1,2-Dichloroethane-d4

Concen: 53.219 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053839.D

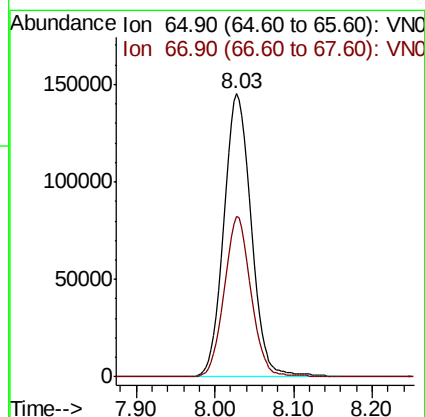
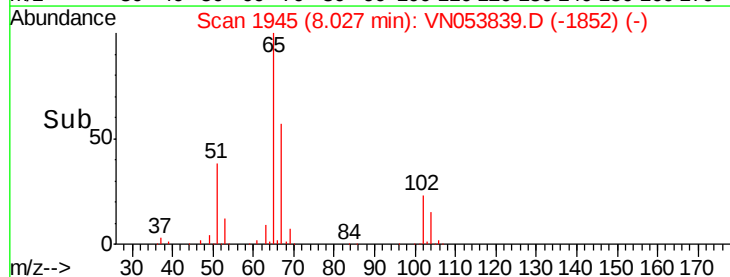
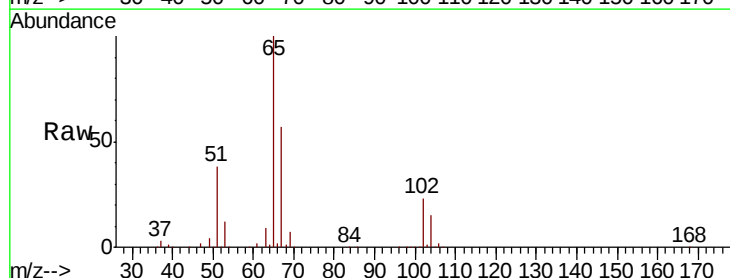
Acq: 18 Feb 2019 13:28

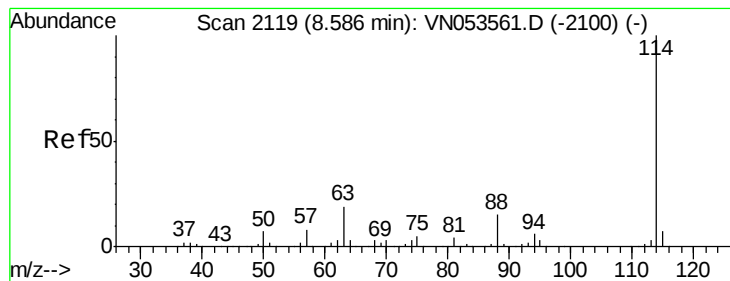
Tgt Ion: 65 Resp: 349592

Ion Ratio Lower Upper

65 100

67 55.3 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: VN053839.D

Acq: 18 Feb 2019 13:28

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MSVOA_N

ClientSampleId :

PB117159ZHE#03

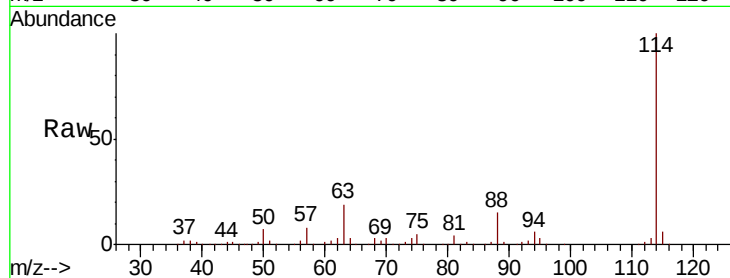
Tgt Ion:114 Resp: 1109155

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 14.7 0.0 30.4



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

600000

500000

400000

300000

200000

100000

0

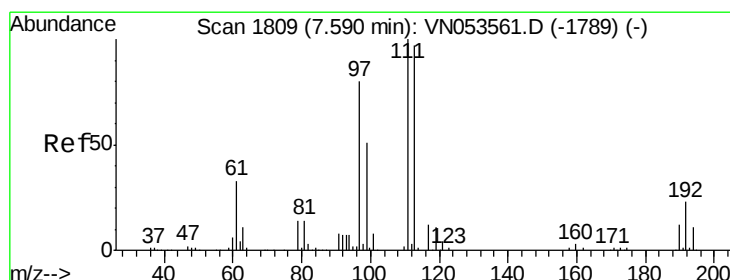
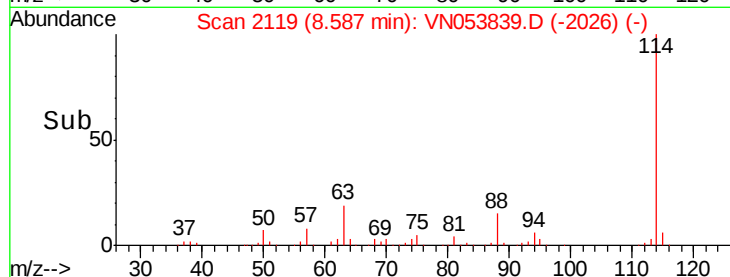
8.59

8.40

8.60

8.80

Time-->



#35

Dibromofluoromethane

Concen: 49.834 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

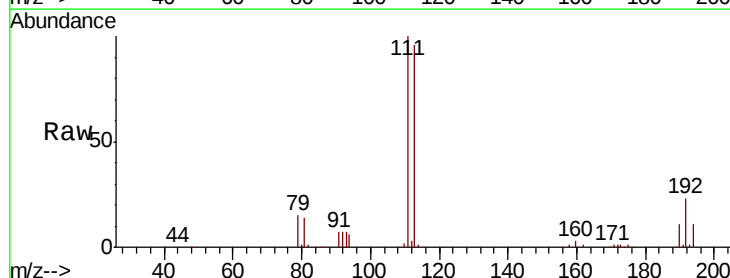
Tgt Ion:113 Resp: 349259

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

192 23.5 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

150000

100000

50000

0

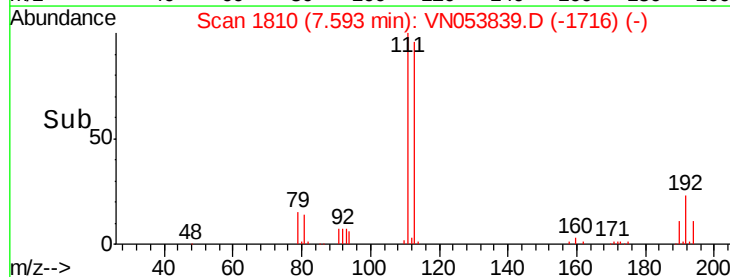
7.59

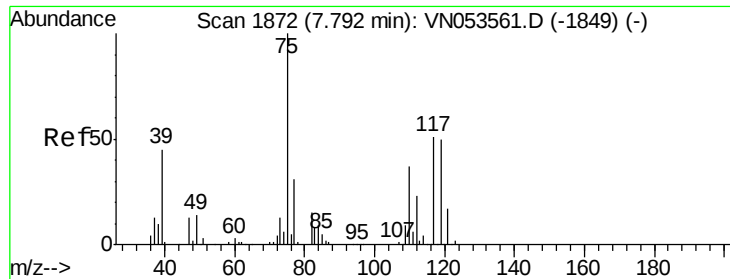
7.50

7.60

7.70

Time-->

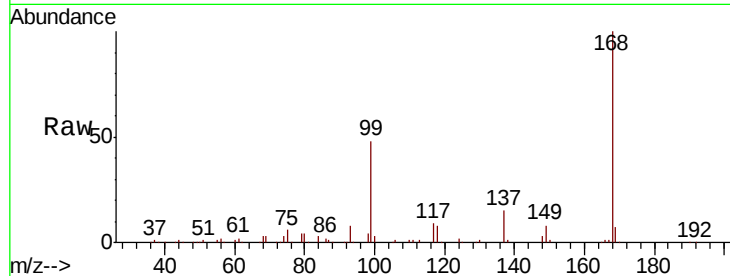




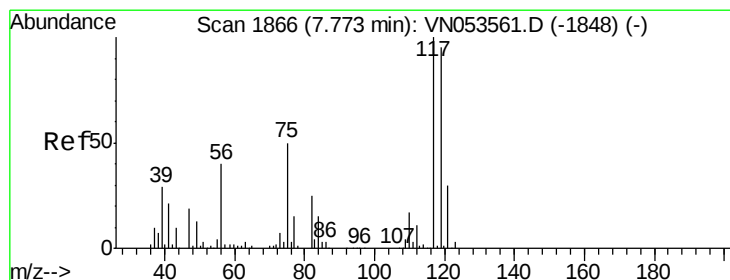
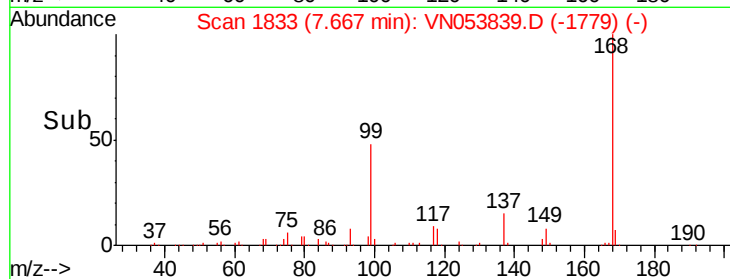
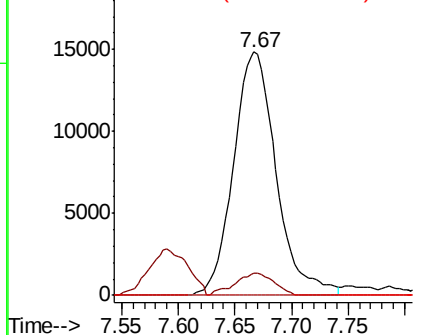
#36
 1,1-Dichloropropene
 Concen: 3.906 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.3#
77	0.0	25.1	37.7#

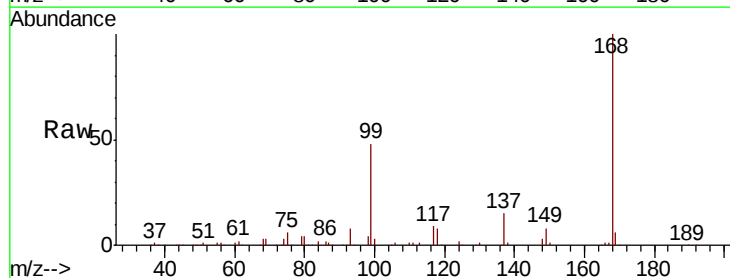


Abundance Ion 74.90 (74.60 to 75.60): VN053839.D (-1779) (-)
 Ion 109.90 (109.60 to 110.60): VN053839.D (-1779) (-)
 Ion 76.90 (76.60 to 77.60): VN053839.D (-1779) (-)

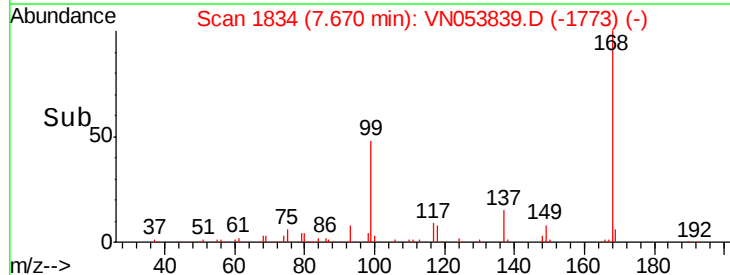
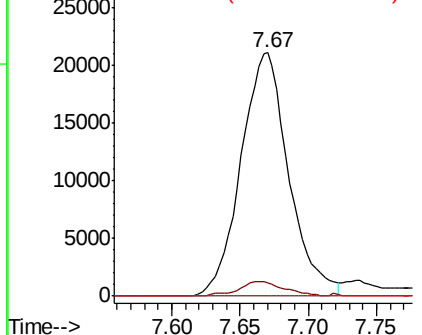


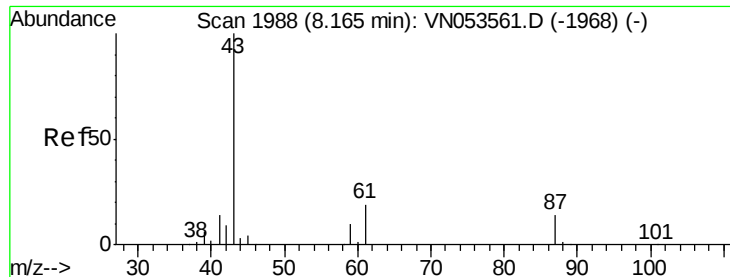
#38
 Carbon Tetrachloride
 Concen: 5.095 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.2	115.8#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN053839.D (-1773) (-)
 Ion 118.80 (118.50 to 119.50): VN053839.D (-1773) (-)
 Ion 120.80 (120.50 to 121.50): VN053839.D (-1773) (-)

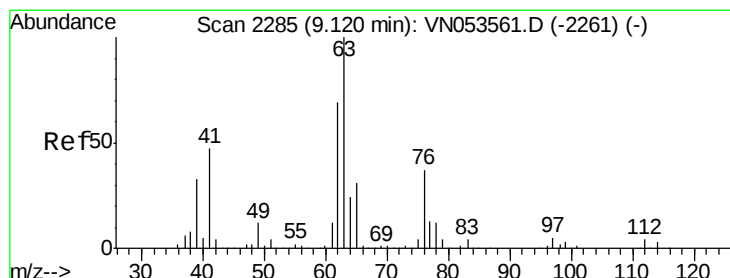
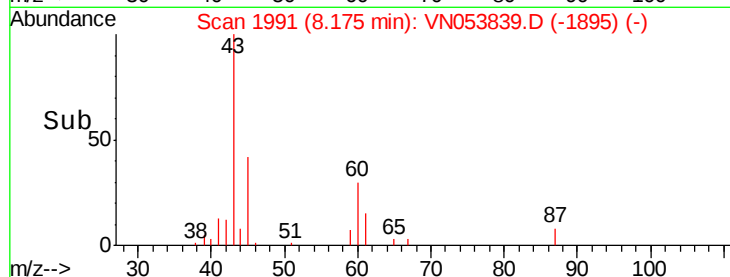
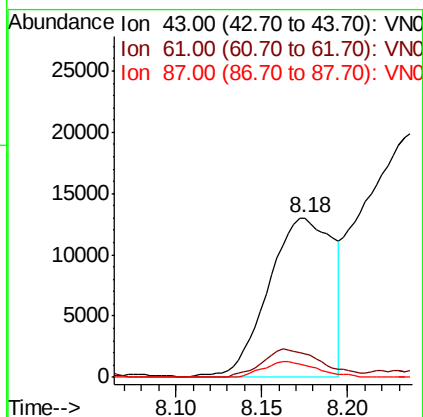
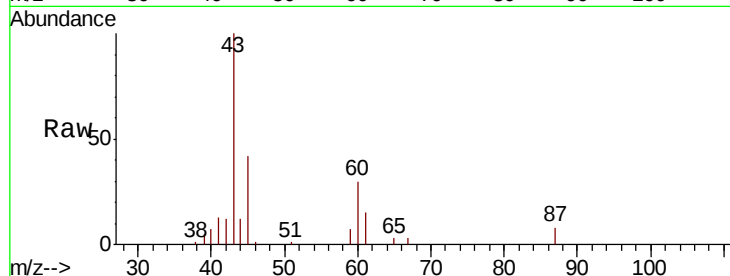




#43
Isopropyl Acetate
Concen: 3.149 ug/l
RT: 8.18 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

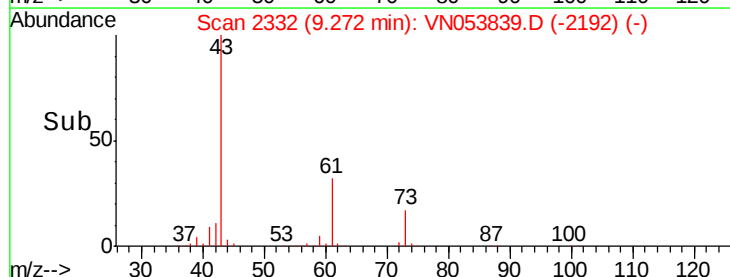
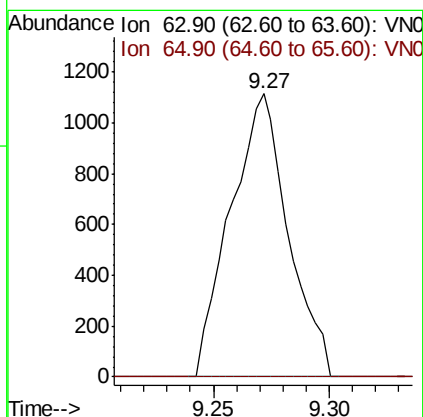
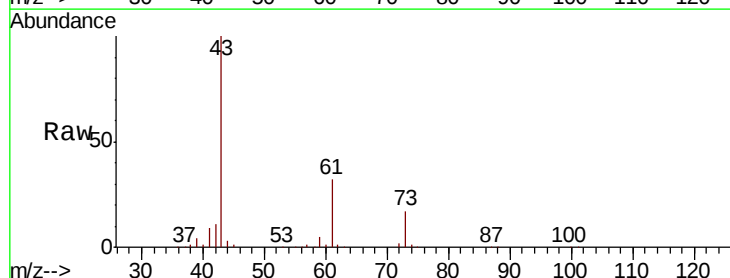
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#03

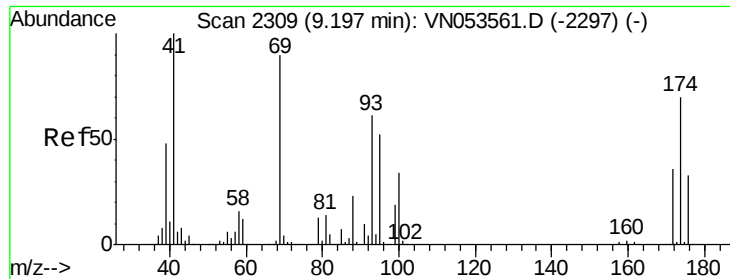
Tgt Ion: 43 Resp: 33956
Ion Ratio Lower Upper
43 100
61 16.1 23.9 35.9#
87 8.2 11.0 16.6#



#45
1,2-Dichloropropane
Concen: 0.245 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.15 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

Tgt Ion: 63 Resp: 1933
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#

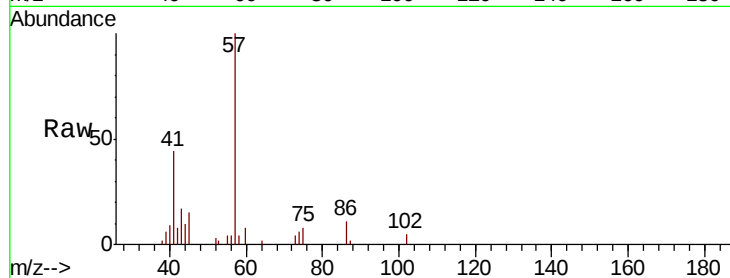




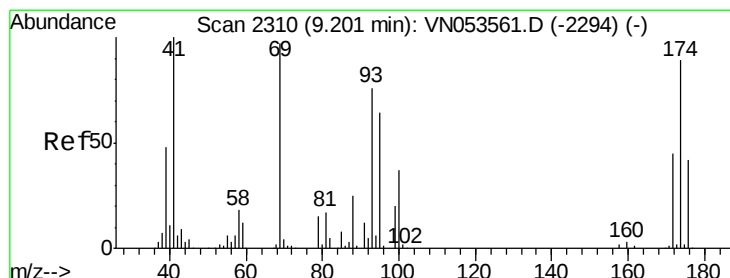
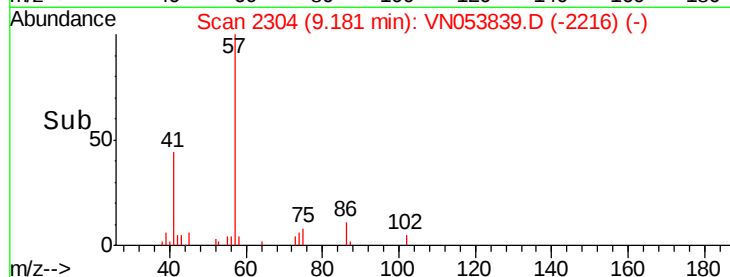
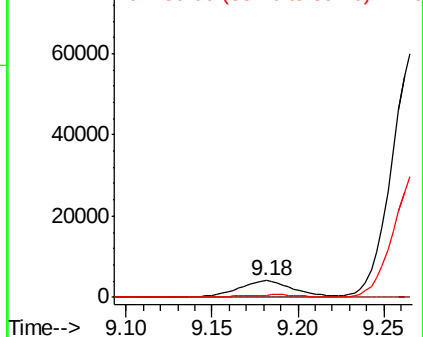
#48
Methyl methacrylate
Concen: 1.624 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#03

Tgt Ion: 41 Resp: 8359
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

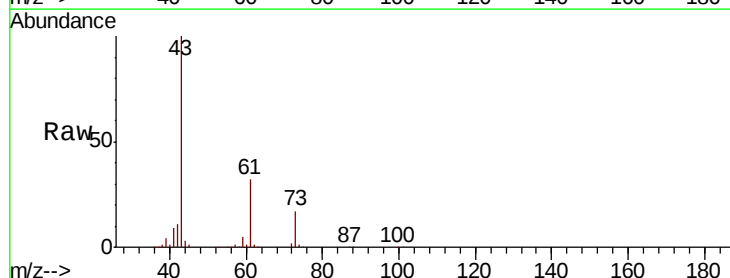


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

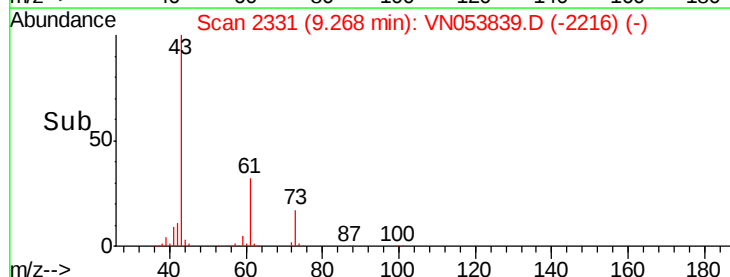
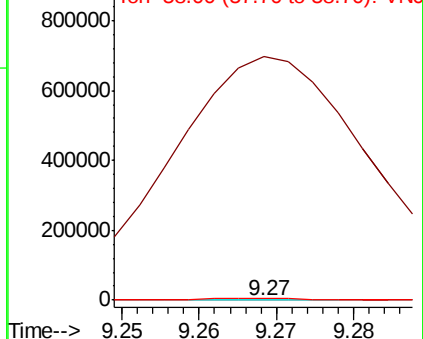


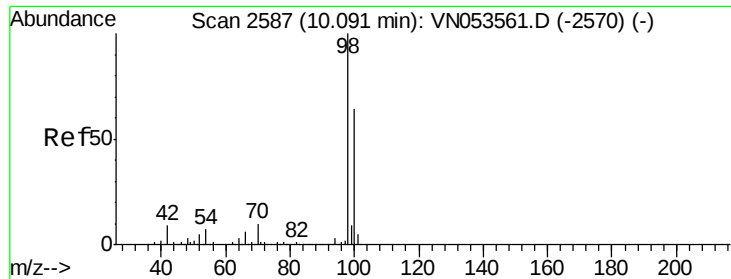
#49
1,4-Dioxane
Concen: 40.361 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053839.D
Acq: 18 Feb 2019 13:28

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 1451789.8 27.8 41.6#
58 7711.2 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 51.359 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

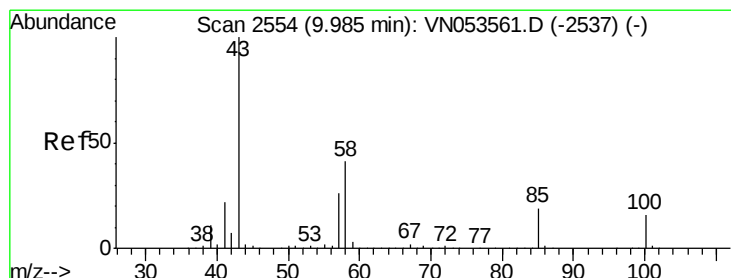
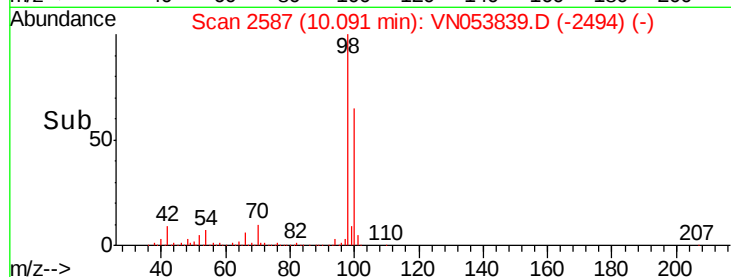
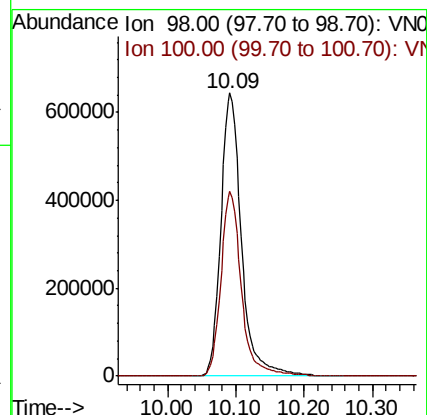
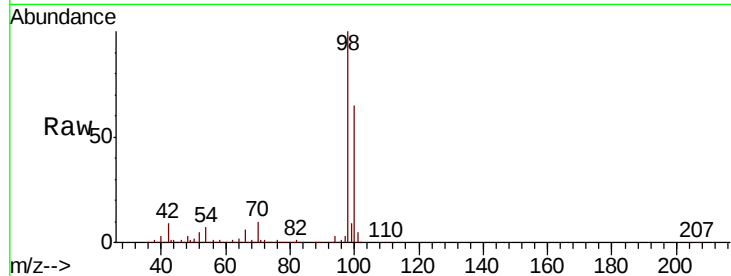
PB117159ZHE#03

Tgt Ion: 98 Resp: 1351531

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.499 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053839.D

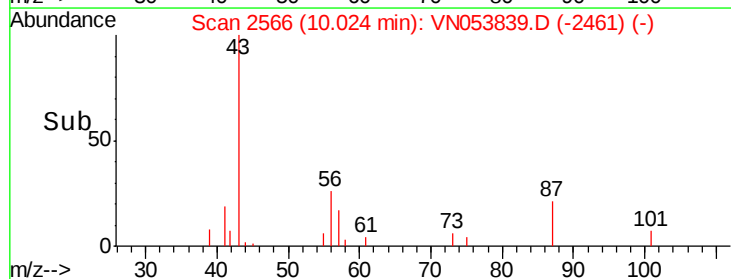
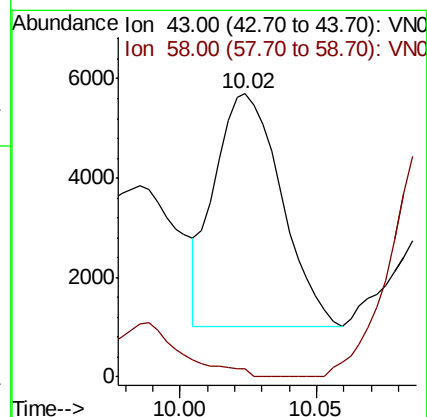
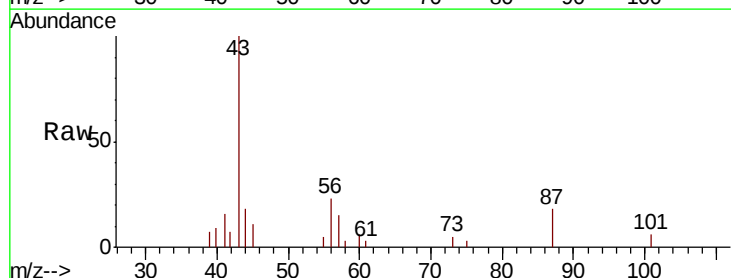
Acq: 18 Feb 2019 13:28

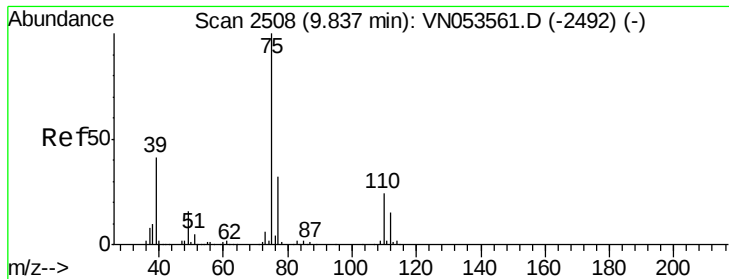
Tgt Ion: 43 Resp: 7943

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 5.686 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#03

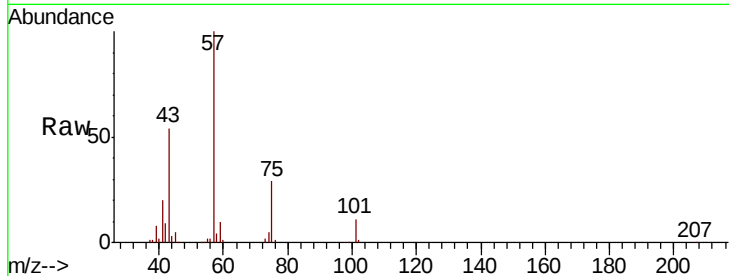
Tgt Ion: 75 Resp: 66686

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

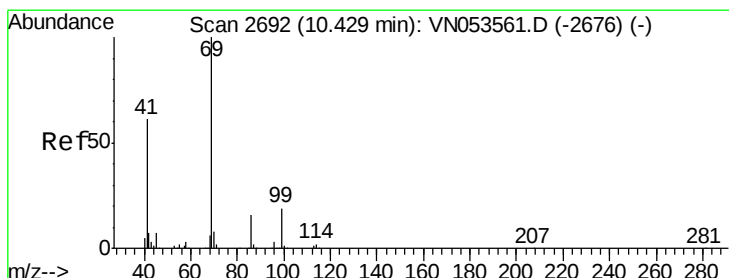
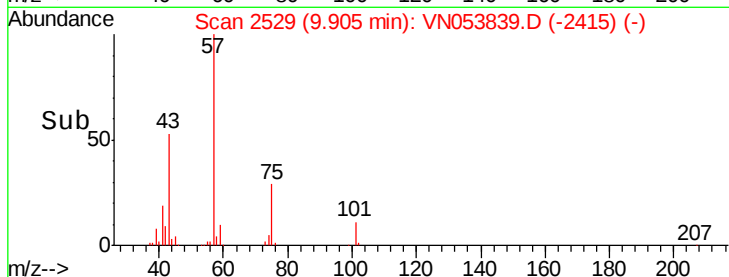
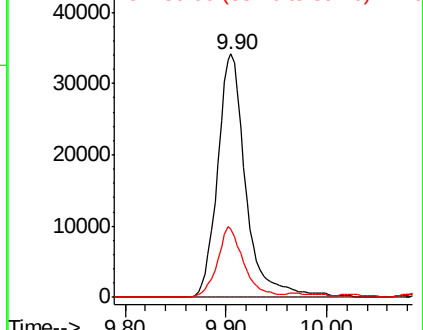
39 28.2 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.200 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

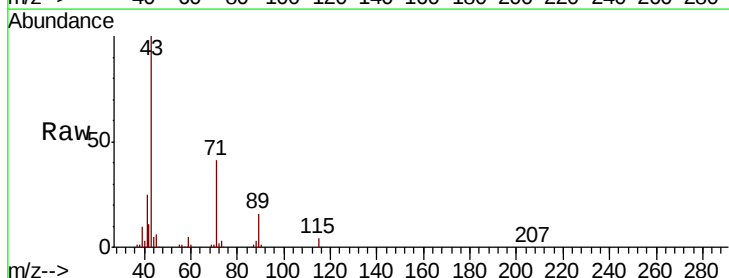
Tgt Ion: 69 Resp: 1561

Ion Ratio Lower Upper

69 100

41 3089.9 49.4 74.0#

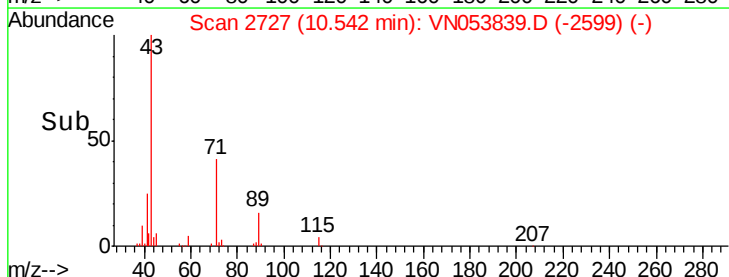
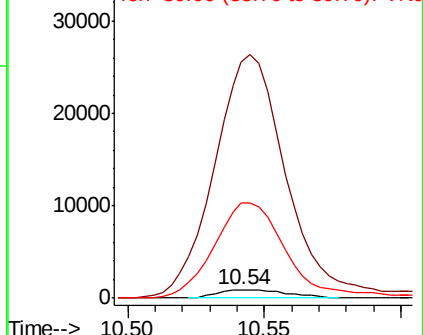
39 1221.8 23.3 34.9#

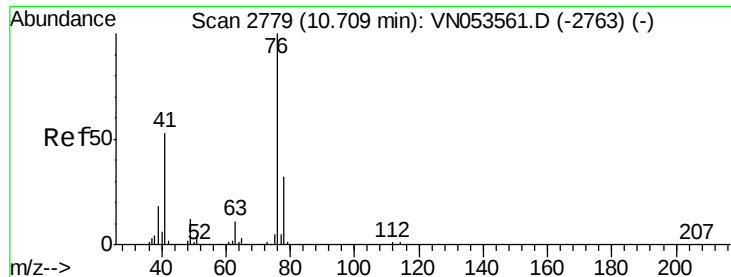


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

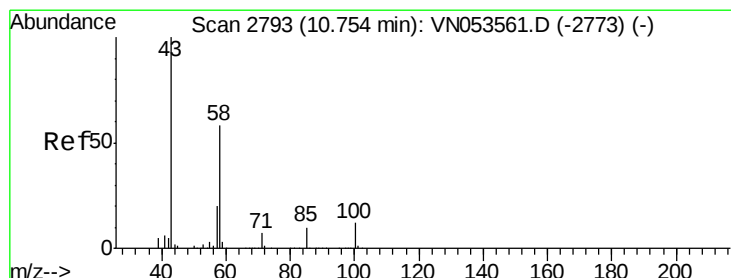
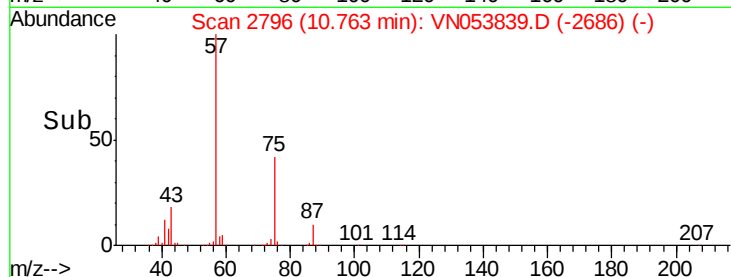
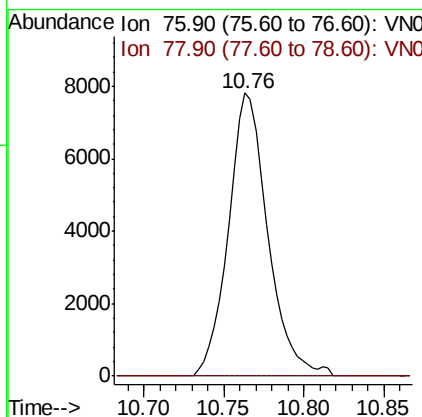
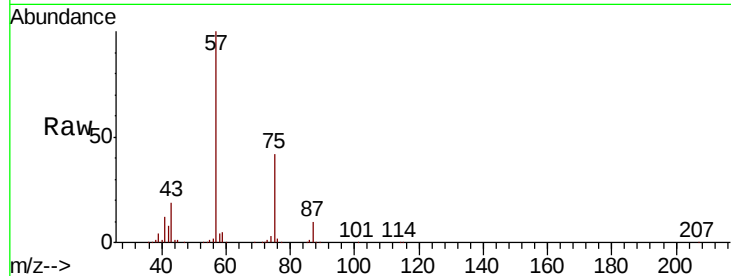




#57
 1,3-Dichloropropane
 Concen: 1.161 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

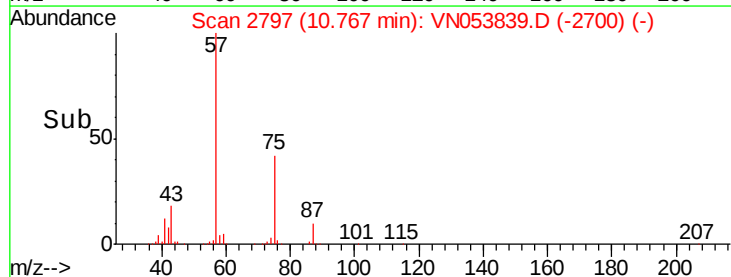
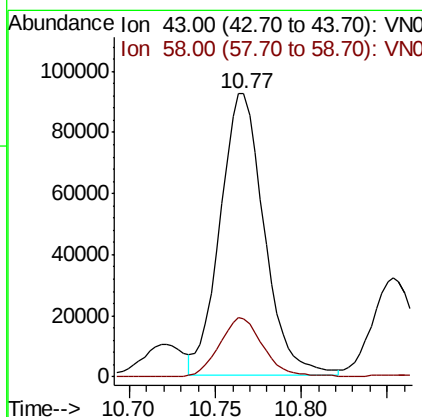
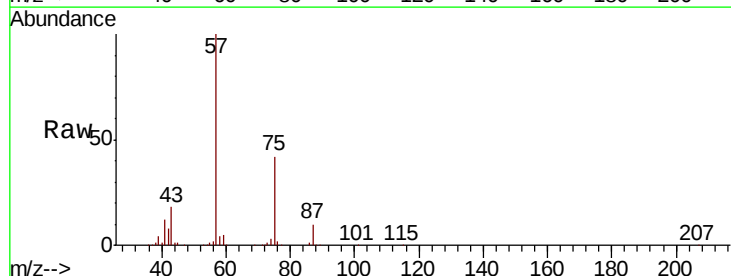
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#03

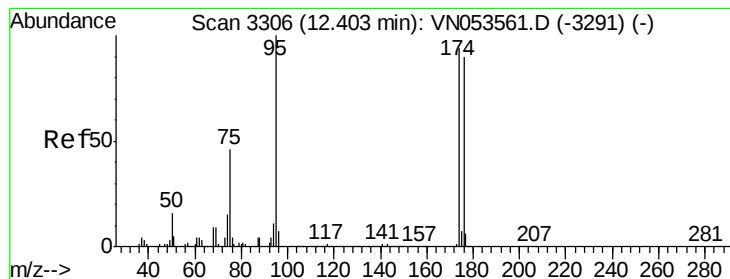
Tgt Ion: 76 Resp: 13089
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 45.996 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

Tgt Ion: 43 Resp: 165473
 Ion Ratio Lower Upper
 43 100
 58 21.0 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 52.039 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#03

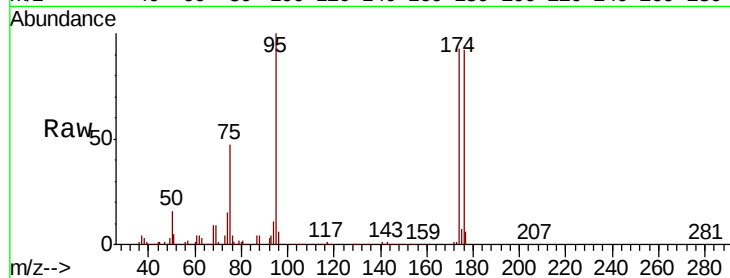
Tgt Ion: 95 Resp: 456724

Ion Ratio Lower Upper

95 100

174 94.4 0.0 183.2

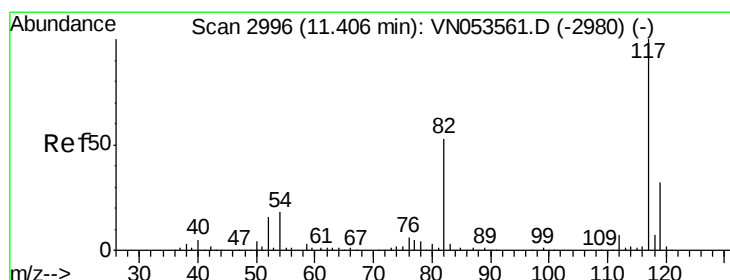
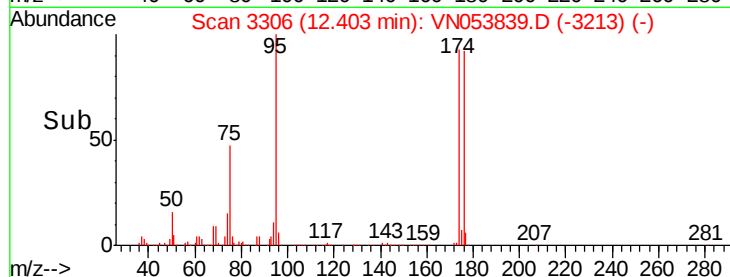
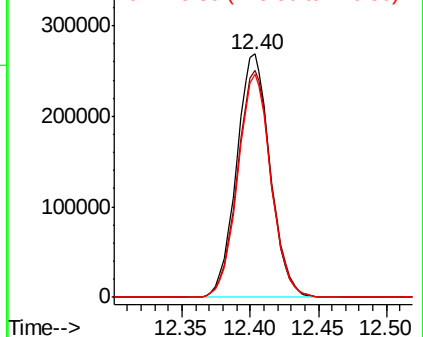
176 91.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053839.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN053839.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN053839.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

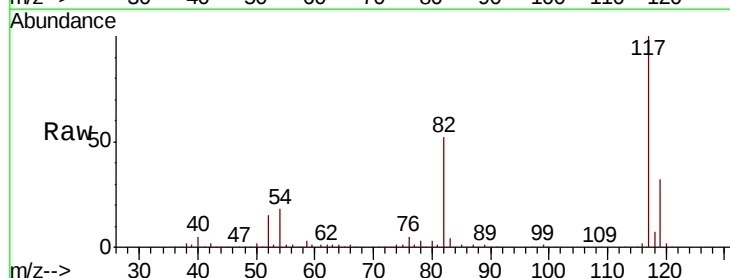
Tgt Ion: 117 Resp: 1042526

Ion Ratio Lower Upper

117 100

82 51.8 42.9 64.3

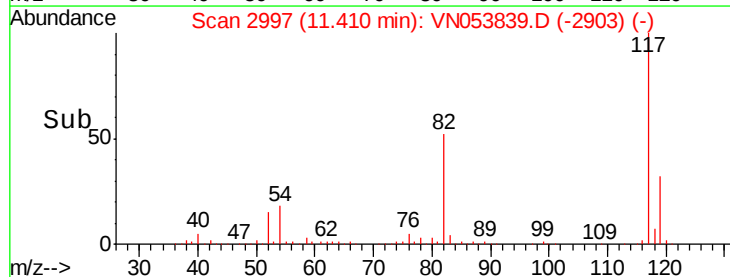
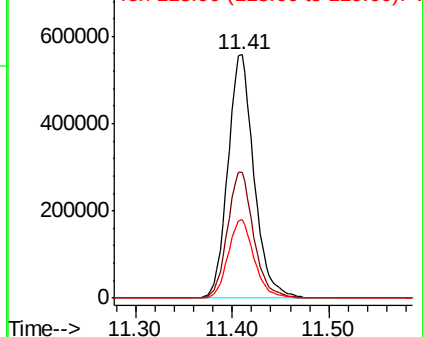
119 32.2 26.0 39.0

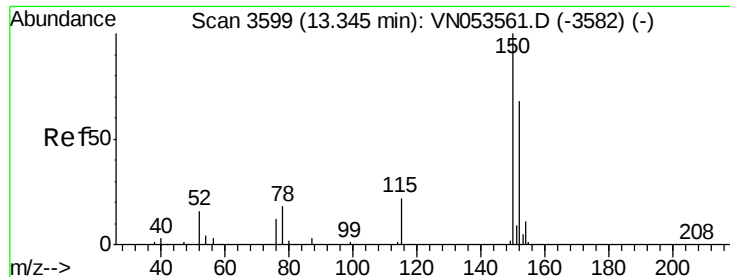


Abundance Ion 116.90 (116.60 to 117.60): VN053839.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053839.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053839.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053839.D

Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#03

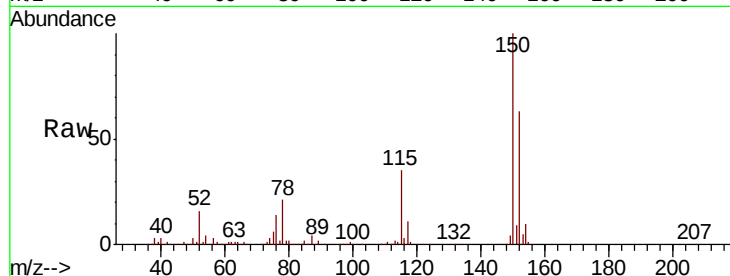
Tgt Ion:152 Resp: 406323

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.4

150 157.2 0.0 349.0

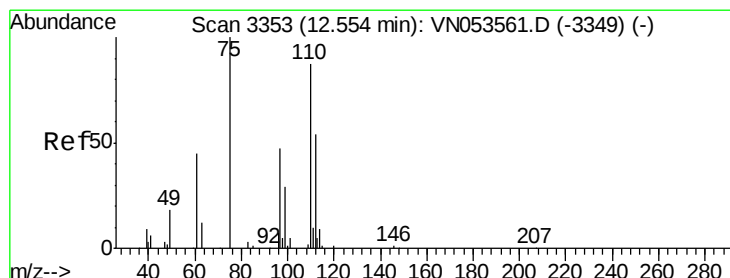
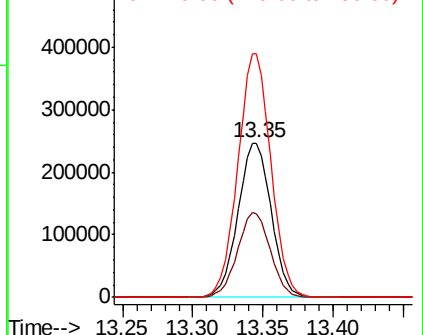
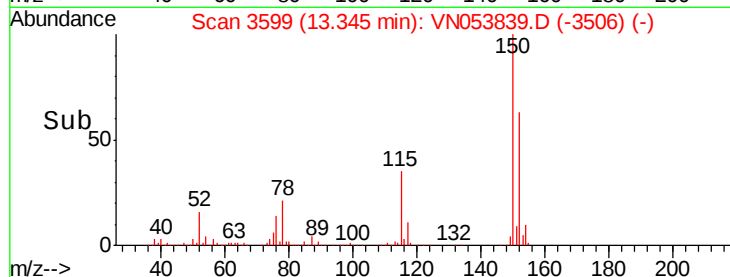


Abundance

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: 40.733 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053839.D

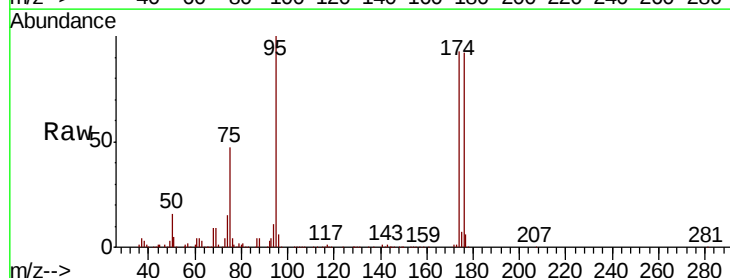
Acq: 18 Feb 2019 13:28

Tgt Ion: 75 Resp: 212582

Ion Ratio Lower Upper

75 100

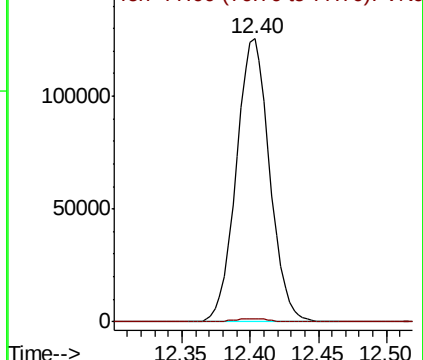
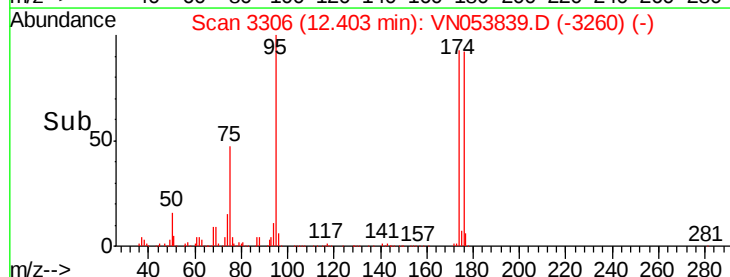
77 1.2 0.0 0.0#

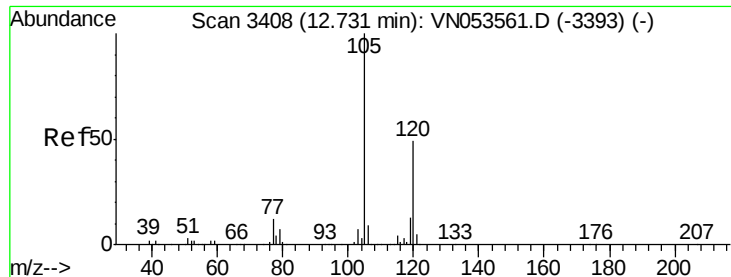


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

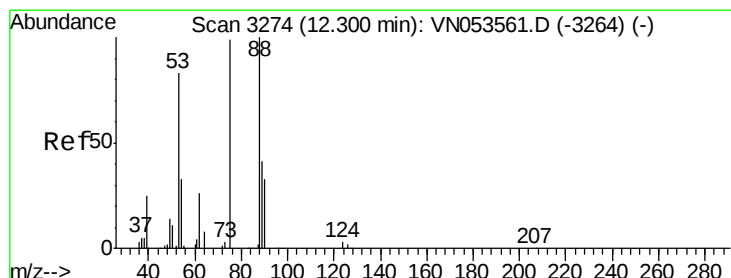
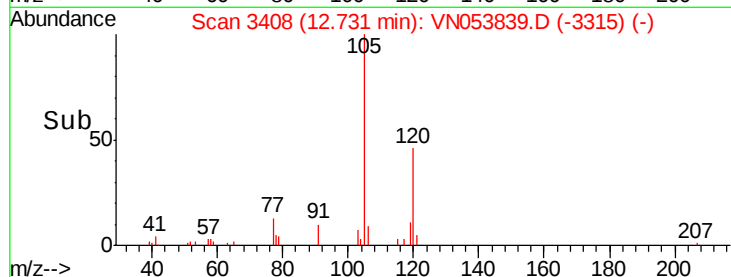
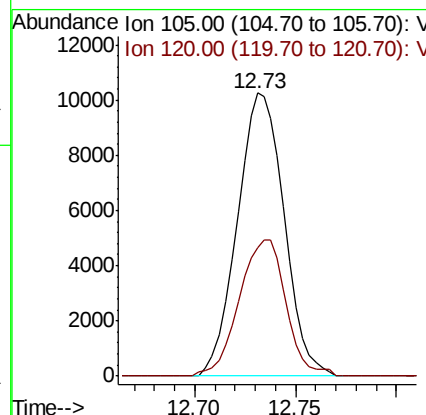
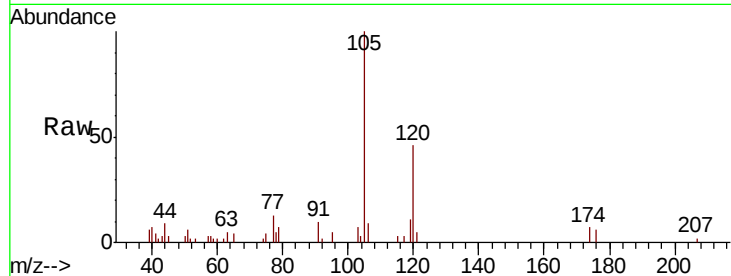




#80
 1,3,5-Trimethylbenzene
 Concen: 0.702 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

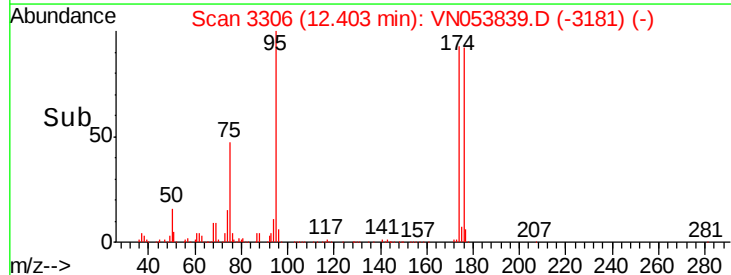
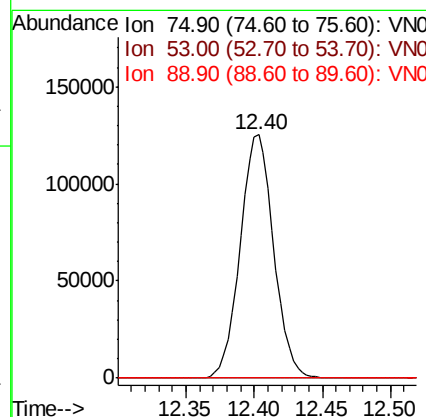
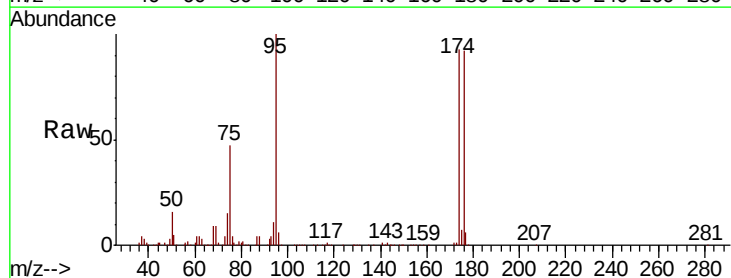
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#03

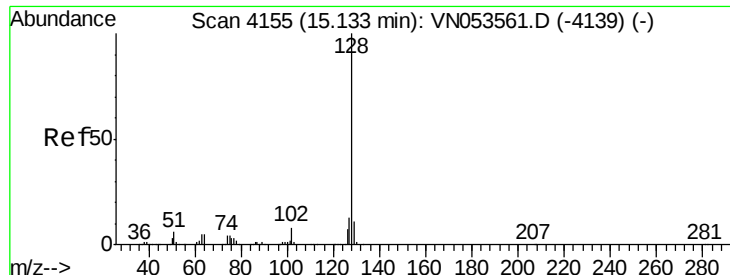
Tgt Ion:105 Resp: 16620
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.537 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053839.D
 Acq: 18 Feb 2019 13:28

Tgt Ion: 75 Resp: 212582
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#





#95

Naphthalene

Concen: 1.757 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053839.D

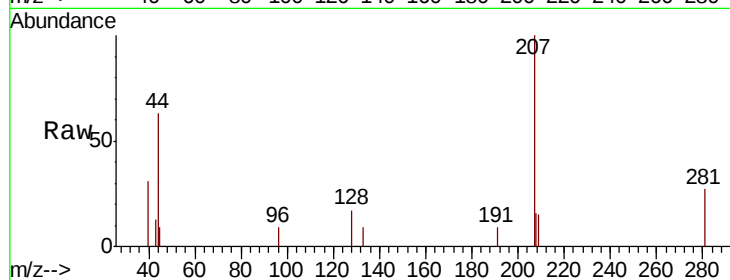
Acq: 18 Feb 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#03



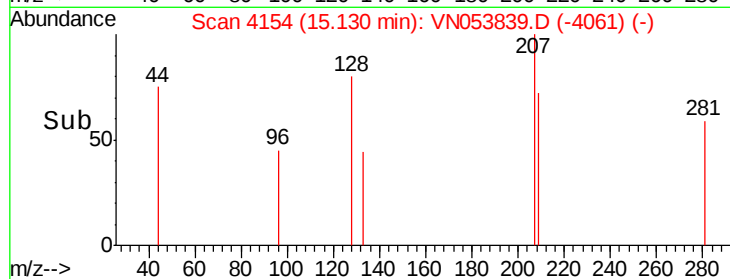
Tgt Ion:128 Resp: 380

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

