

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053841.D
 Acq On : 18 Feb 2019 14:21
 Operator : JC/SP
 Sample : PB117159ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#05

Quant Time: Feb 19 03:01:25 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	631402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1069663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1088914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	399378	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	338733	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.59	113	340572	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.09	98	1415471	55.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.54%	
62) 4-Bromofluorobenzene	12.40	95	453804	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

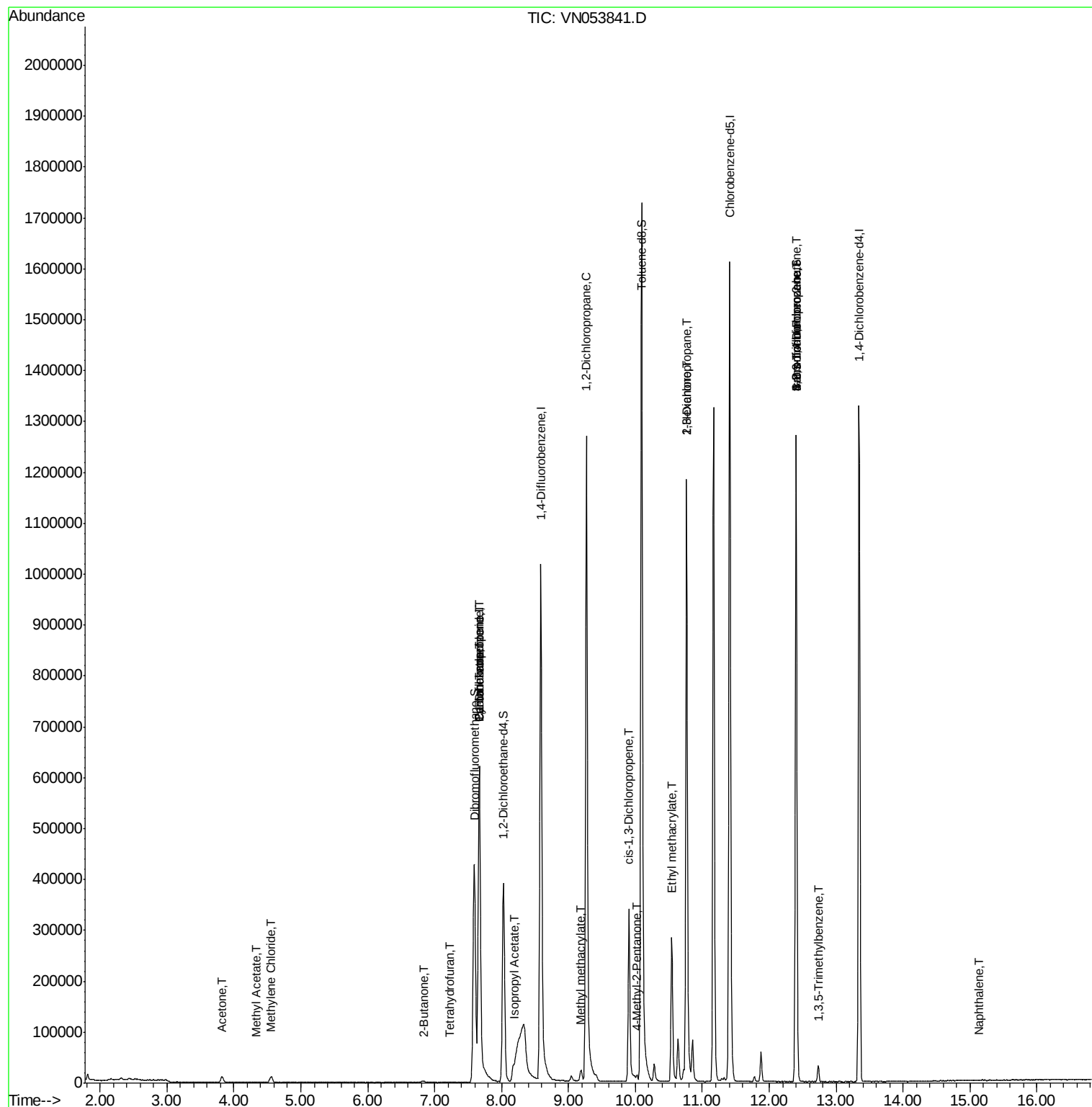
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	20824	12.817	ug/l	96
18) Methyl Acetate	4.33	43	3243	0.674	ug/l #	75
20) Methylene Chloride	4.56	84	9198	1.349	ug/l	95
25) 2-Butanone	6.84	43	3025	1.305	ug/l #	87
29) Tetrahydrofuran	7.21	42	613	0.412	ug/l #	52
31) Cyclohexane	7.67	56	9288	0.700	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37573	3.897	ug/l #	49
38) Carbon Tetrachloride	7.67	117	49503	5.096	ug/l #	16
43) Isopropyl Acetate	8.18	43	34719	3.338	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	1906	0.251	ug/l #	43
48) Methyl methacrylate	9.18	41	7726	1.556	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	8344	1.633	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	71328	6.306	ug/l #	62
56) Ethyl methacrylate	10.54	69	1722	0.229	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	13684	1.259	ug/l #	43
59) 2-Hexanone	10.76	43	174670	50.345	ug/l #	50
71) Bromoform	12.40	173	3270	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	204891	39.942	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16967	0.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	204891	112.313	ug/l #	15
95) Naphthalene	15.14	128	64	1.740	ug/l #	69

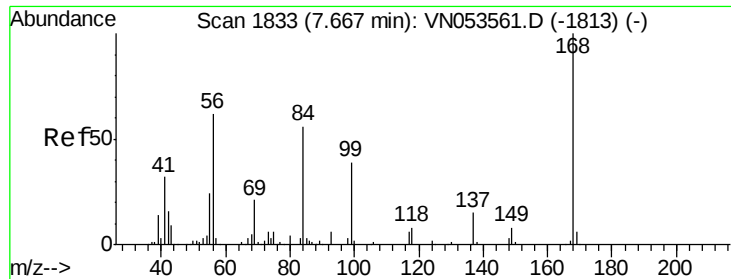
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
Data File : VN053841.D
Acq On : 18 Feb 2019 14:21
Operator : JC/SP
Sample : PB117159ZHE#05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

Quant Time: Feb 19 03:01:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
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: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

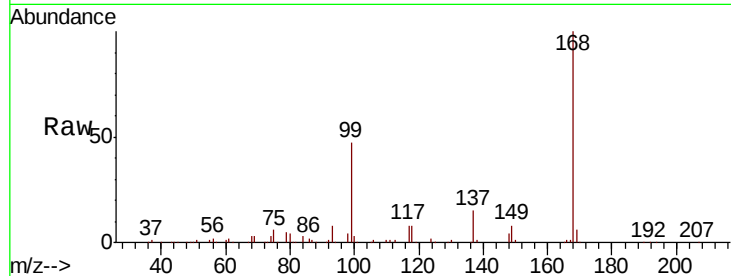
PB117159ZHE#05

Tgt Ion:168 Resp: 631402

Ion Ratio Lower Upper

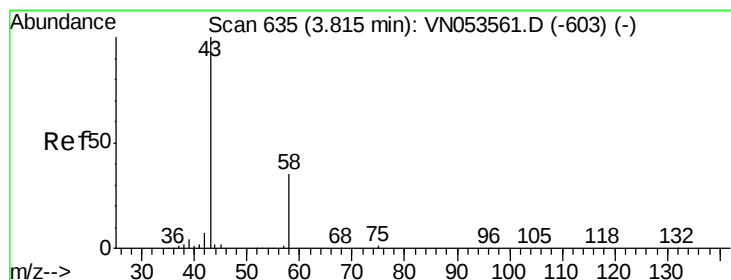
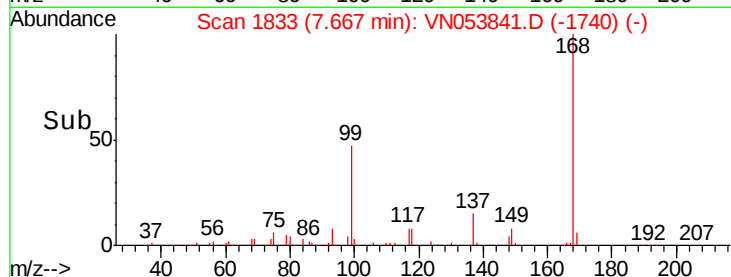
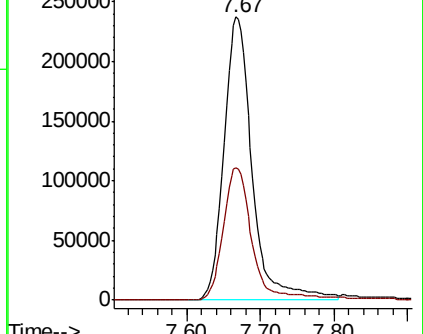
168 100

99 46.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.817 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053841.D

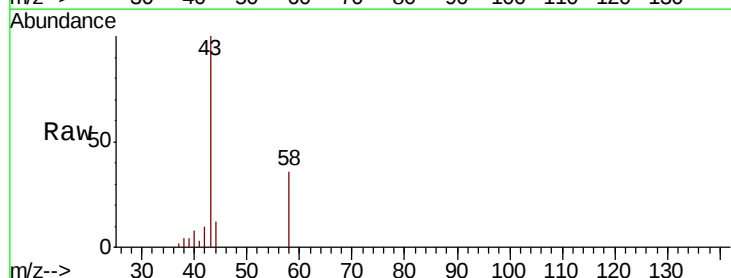
Acq: 18 Feb 2019 14:21

Tgt Ion: 43 Resp: 20824

Ion Ratio Lower Upper

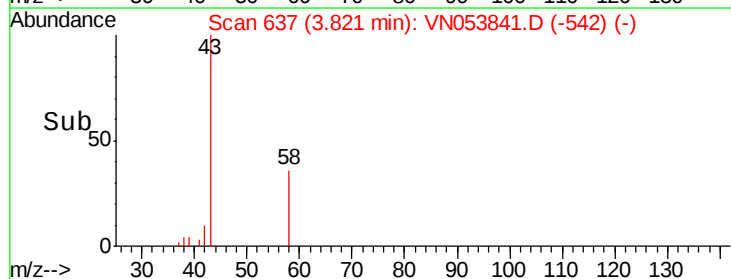
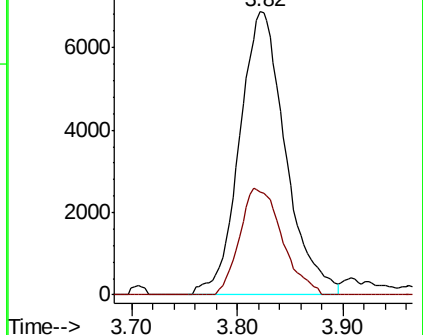
43 100

58 36.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

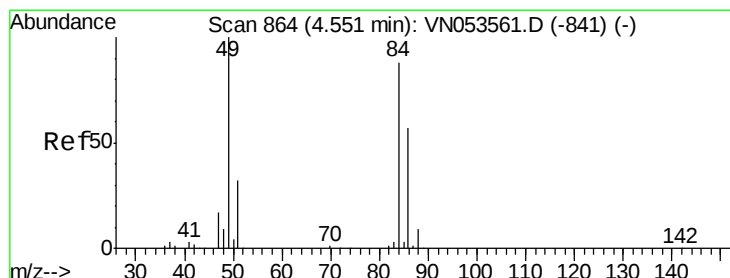
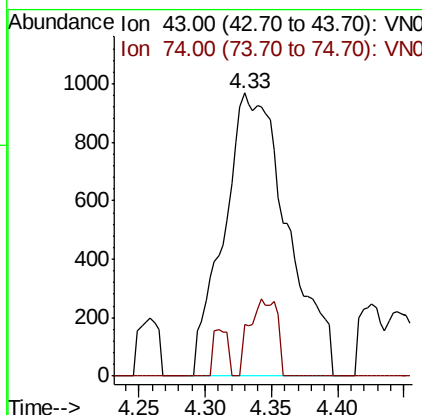
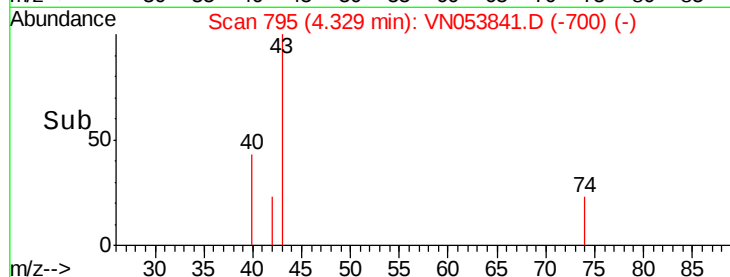
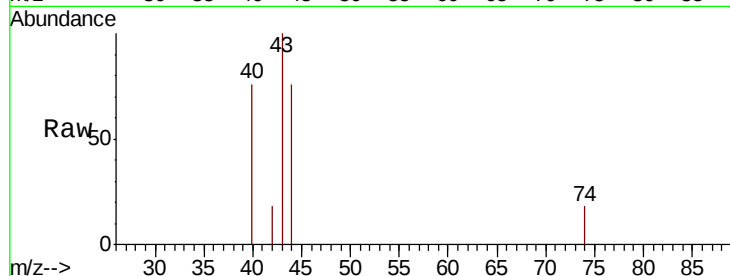




#18
Methyl Acetate
Concen: 0.674 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

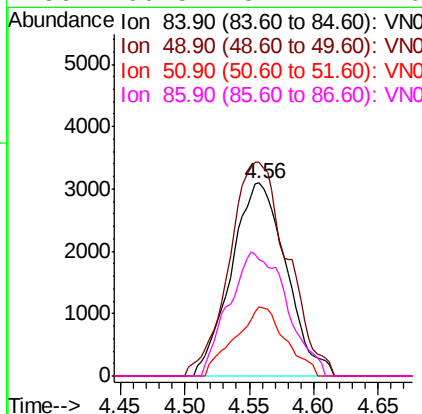
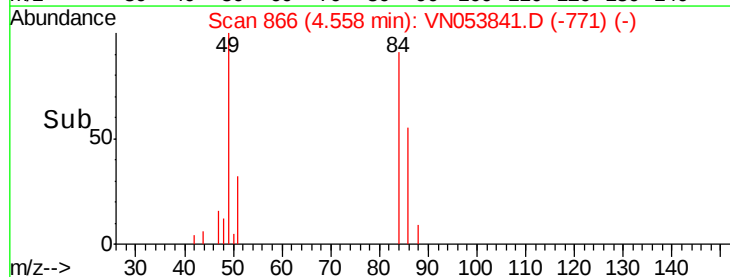
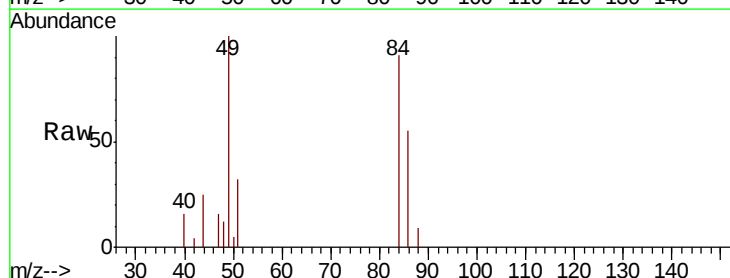
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

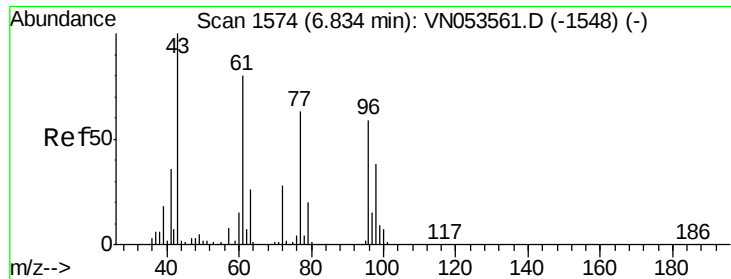
Tgt Ion: 43 Resp: 3243
Ion Ratio Lower Upper
43 100
74 11.7 19.4 29.2#



#20
Methylene Chloride
Concen: 1.349 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Tgt Ion: 84 Resp: 9198
Ion Ratio Lower Upper
84 100
49 110.4 94.3 141.5
51 35.5 29.4 44.2
86 60.5 51.4 77.0

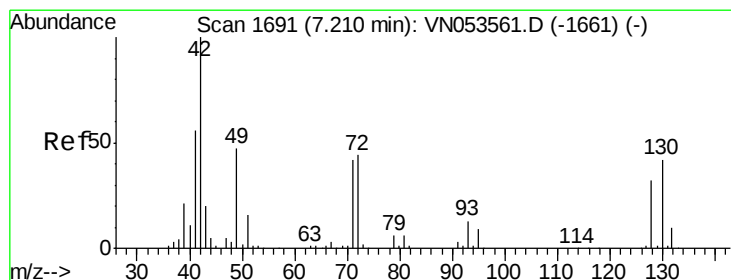
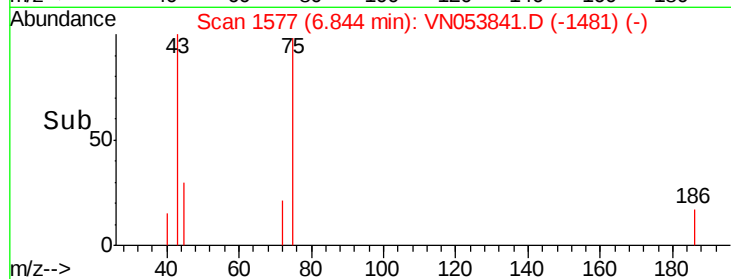
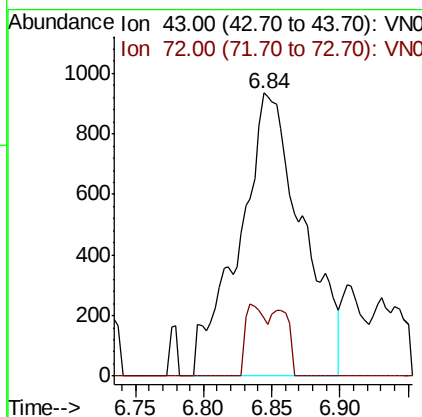
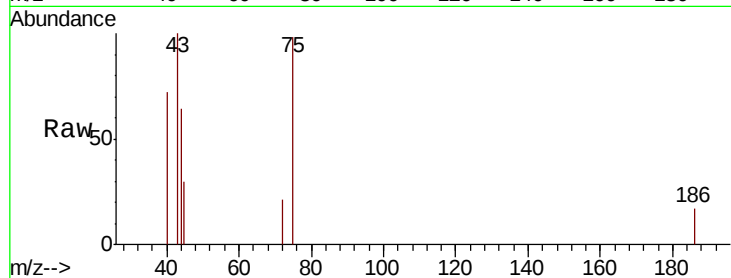




#25
2-Butanone
Concen: 1.305 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

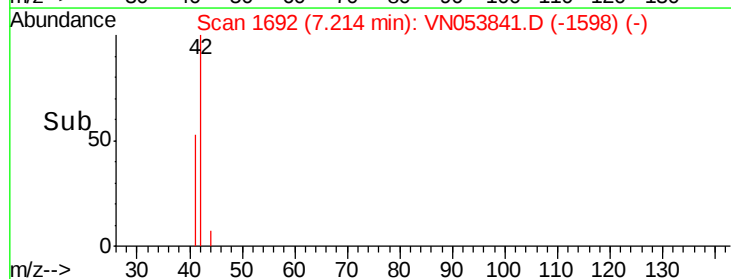
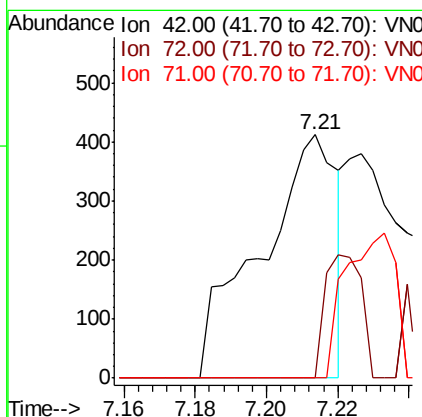
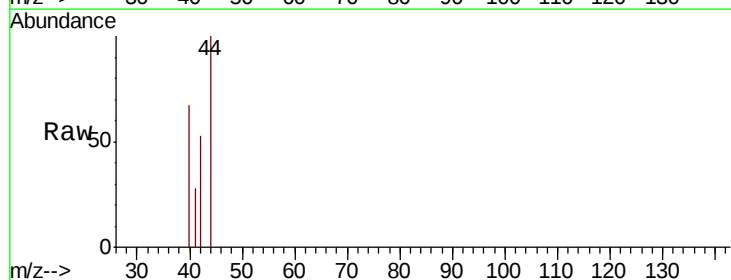
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

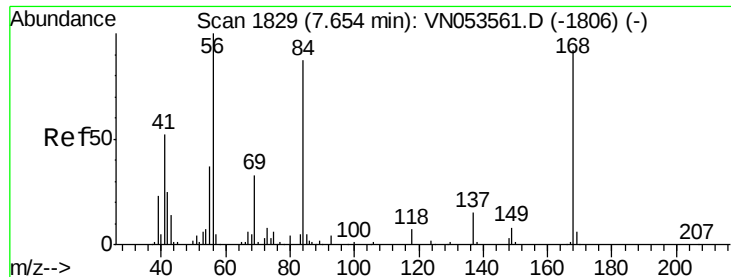
Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
72 20.5 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.412 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Tgt Ion: 42 Resp: 613
Ion Ratio Lower Upper
42 100
72 24.0 35.2 52.8#
71 0.0 33.0 49.4#

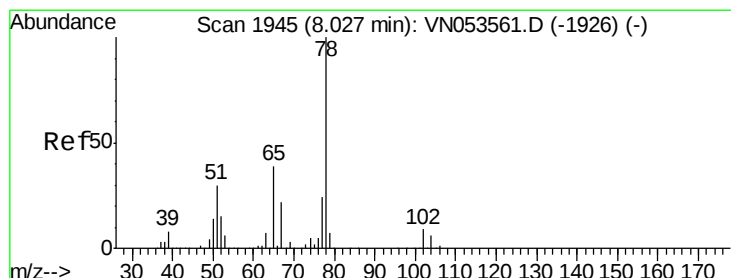
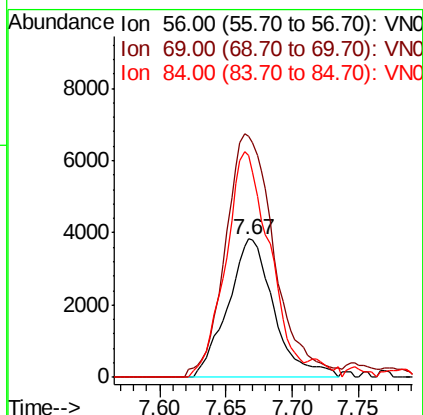
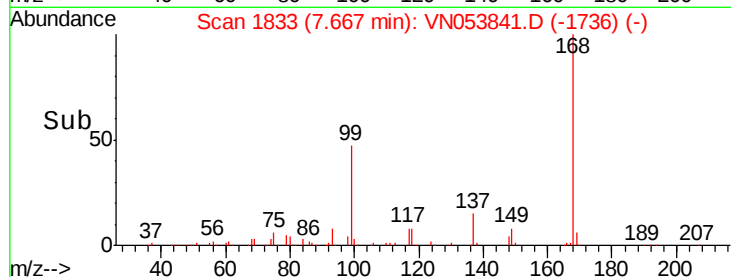
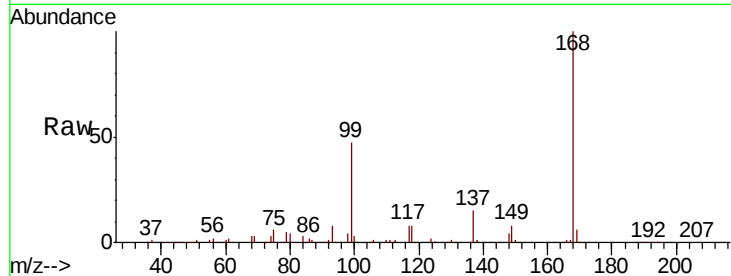




#31
Cyclohexane
Concen: 0.700 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

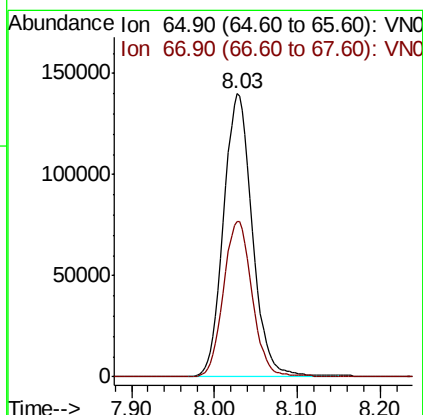
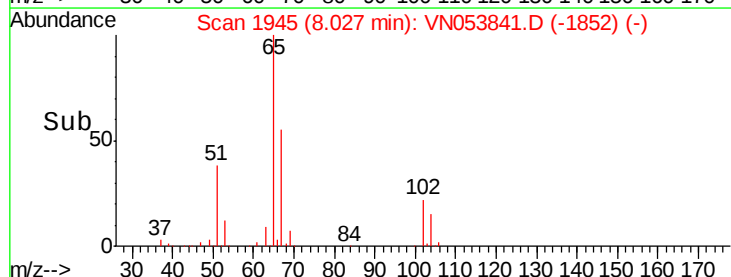
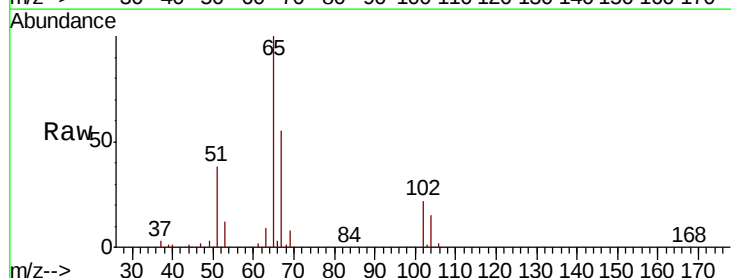
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

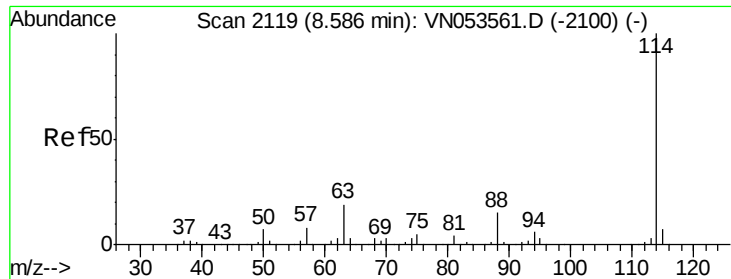
Tgt Ion: 56 Resp: 9288
Ion Ratio Lower Upper
56 100
69 168.8 26.4 39.6#
84 159.9 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: 53.477 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Tgt Ion: 65 Resp: 338733
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2

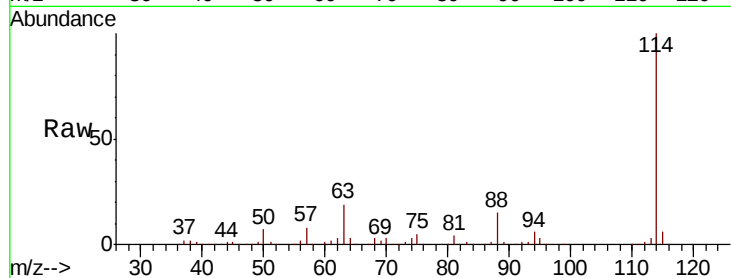




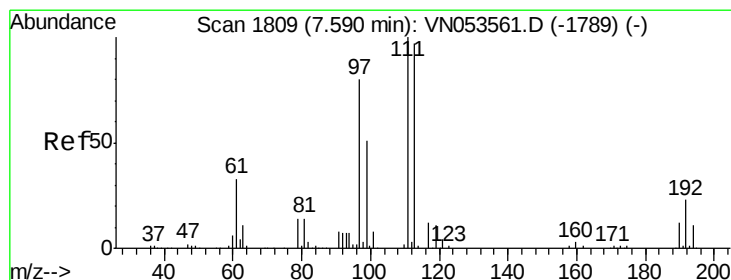
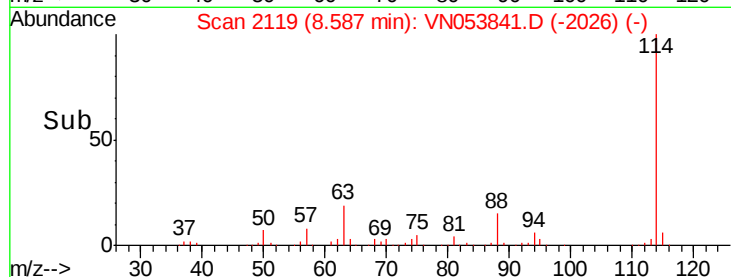
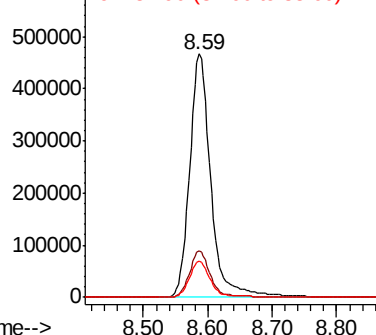
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053841.D
 Acq: 18 Feb 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#05

Tgt Ion:114 Resp: 1069663
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.9 0.0 30.4

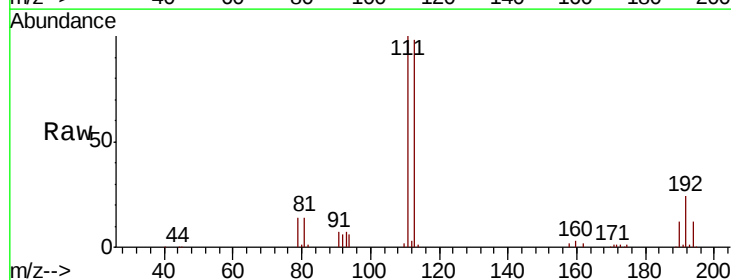


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

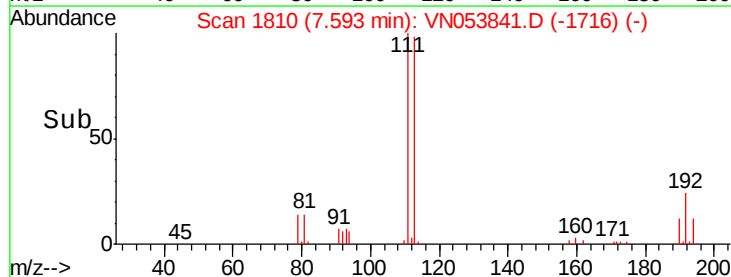
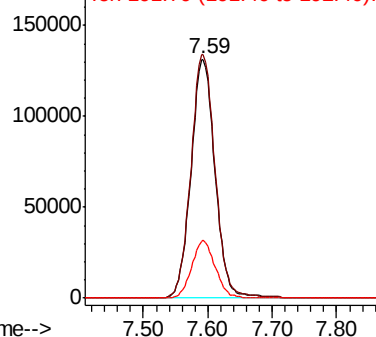


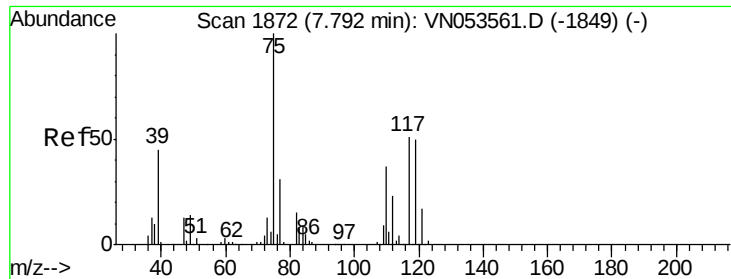
#35
 Dibromofluoromethane
 Concen: 50.389 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053841.D
 Acq: 18 Feb 2019 14:21

Tgt Ion:113 Resp: 340572
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.1 121.7
 192 23.6 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

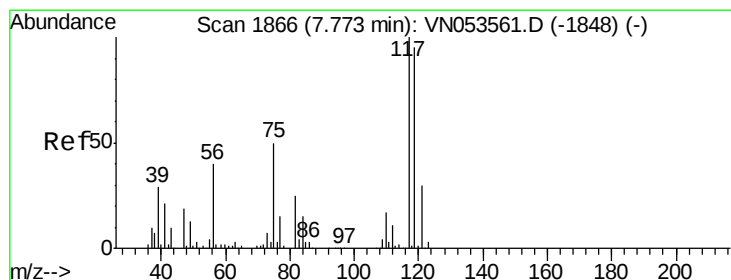
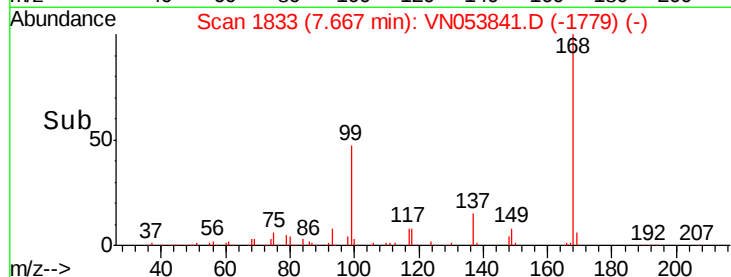
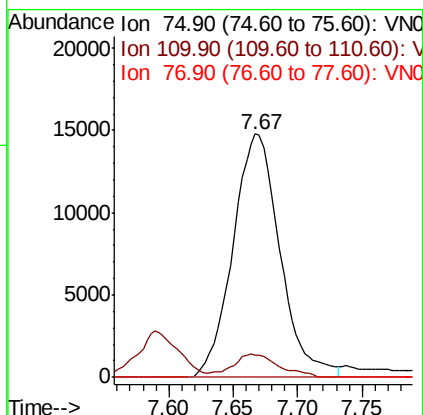
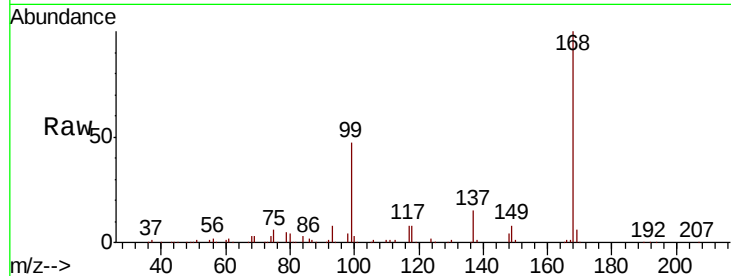




#36
 1,1-Dichloropropene
 Concen: 3.897 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053841.D
 Acq: 18 Feb 2019 14:21

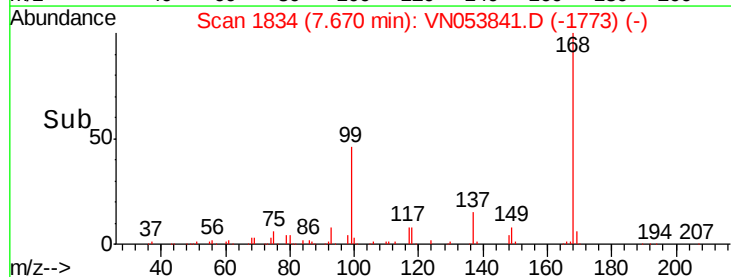
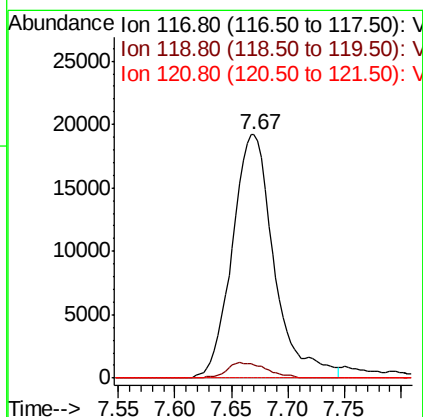
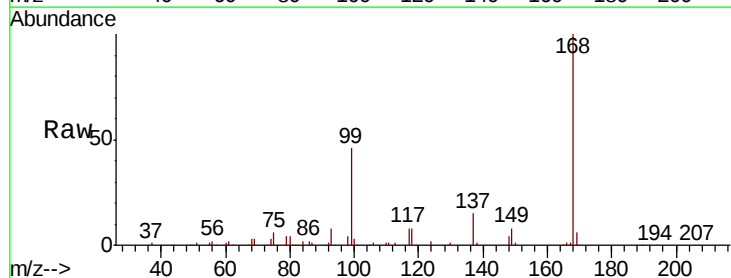
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#05

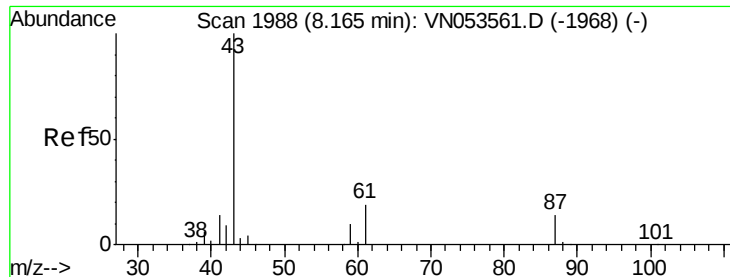
Tgt Ion: 75 Resp: 37573
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.096 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN053841.D
 Acq: 18 Feb 2019 14:21

Tgt Ion: 117 Resp: 49503
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.338 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#05

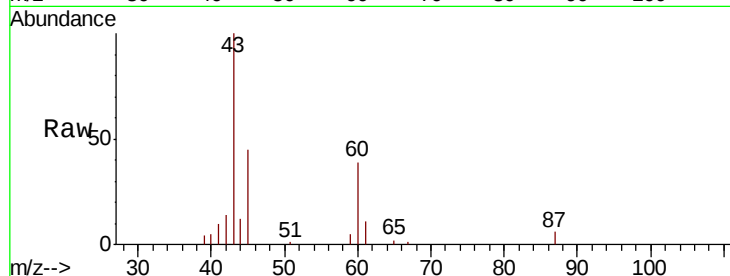
Tgt Ion: 43 Resp: 34719

Ion Ratio Lower Upper

43 100

61 15.0 23.9 35.9#

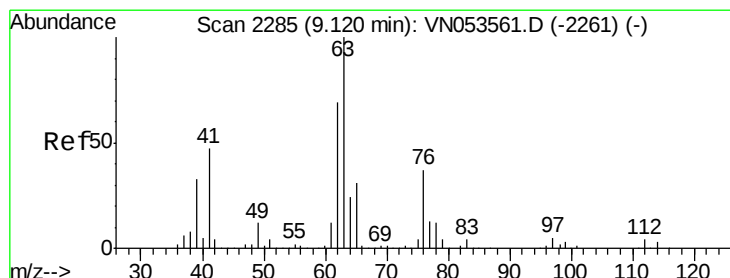
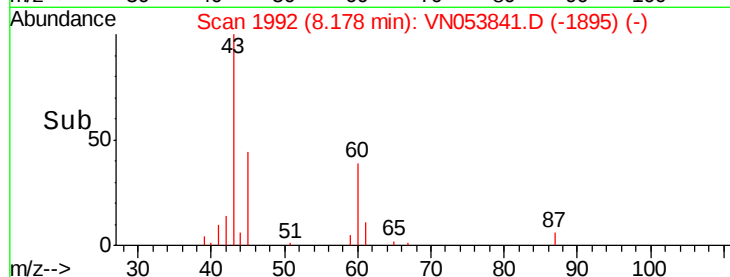
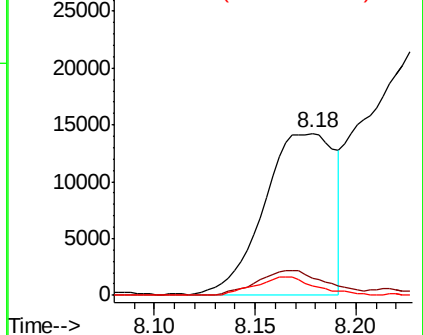
87 9.7 11.0 16.6#



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: 0.251 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053841.D

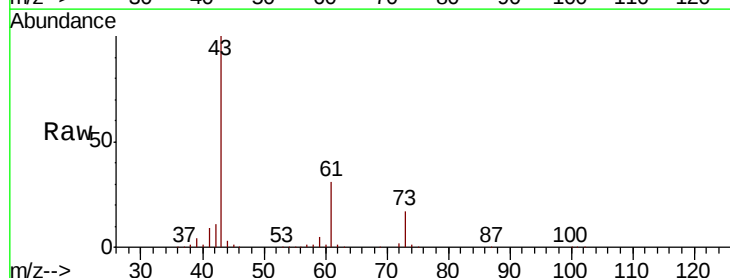
Acq: 18 Feb 2019 14:21

Tgt Ion: 63 Resp: 1906

Ion Ratio Lower Upper

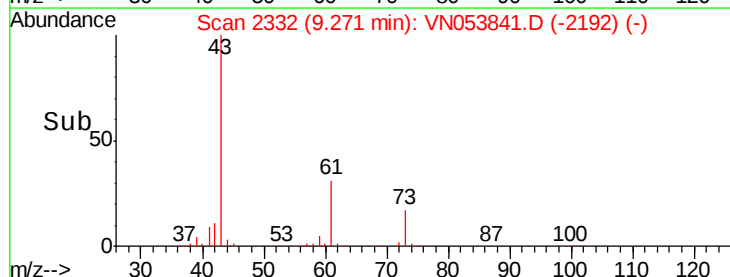
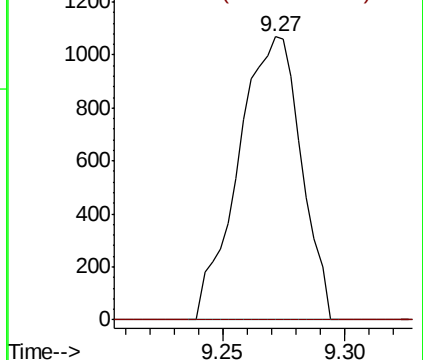
63 100

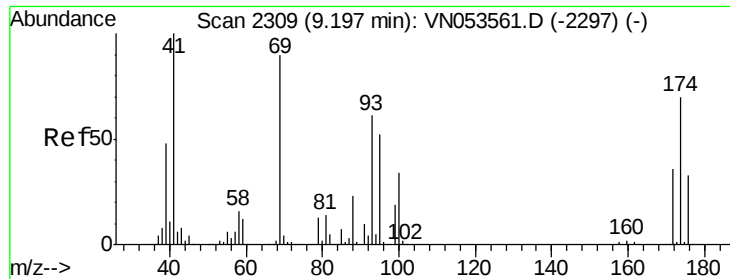
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

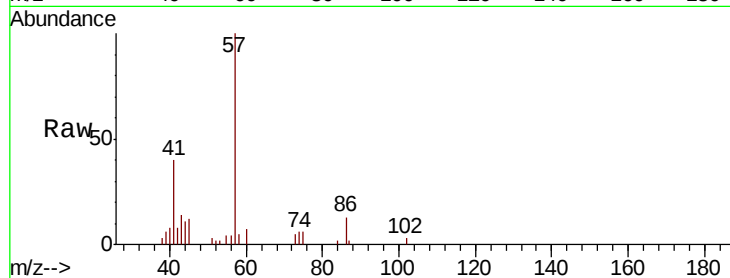




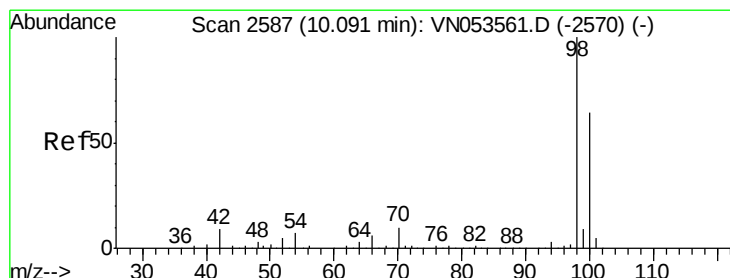
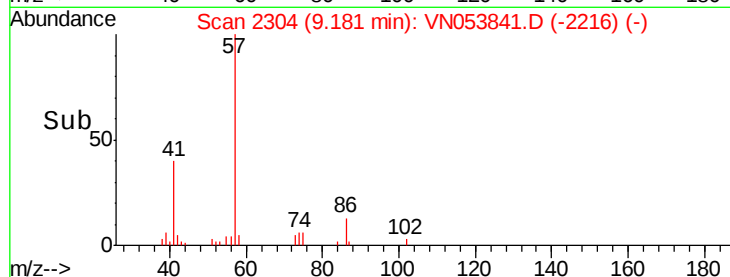
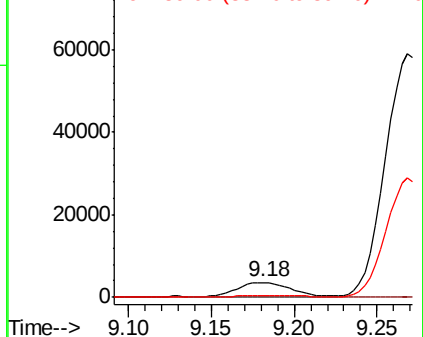
#48
Methyl methacrylate
Concen: 1.556 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

Tgt Ion: 41 Resp: 7726
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

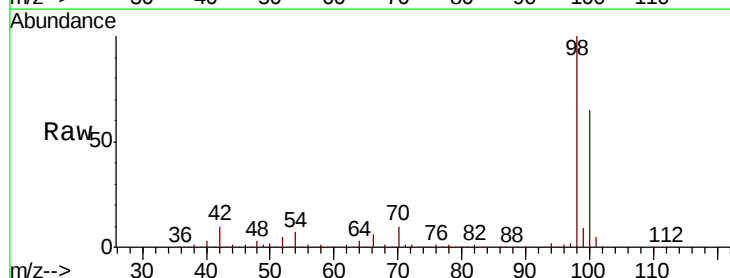


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

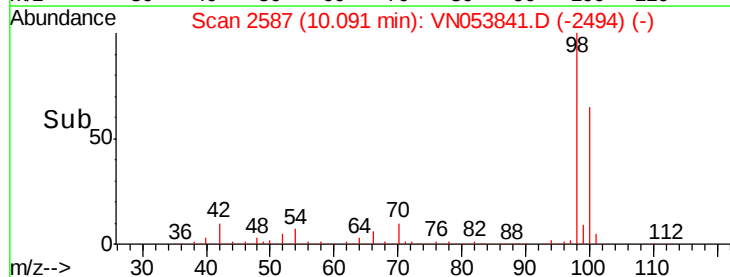
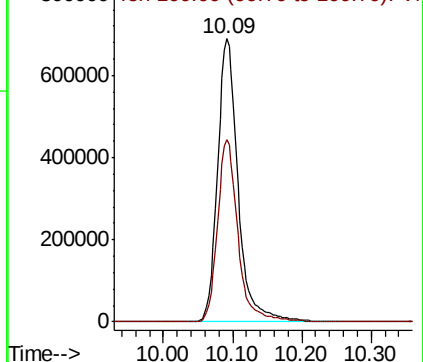


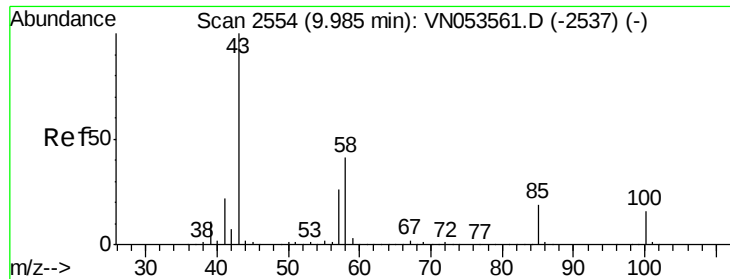
#50
Toluene-d8
Concen: 55.775 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Tgt Ion: 98 Resp: 1415471
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.633 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

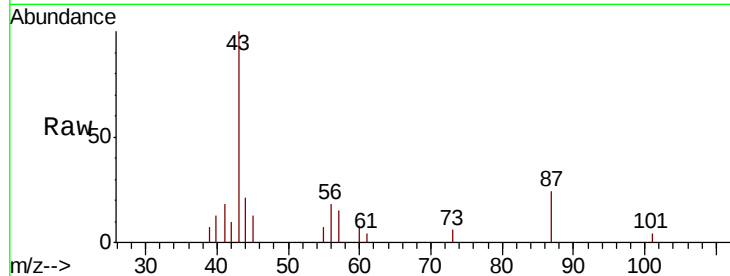
PB117159ZHE#05

Tgt Ion: 43 Resp: 8344

Ion Ratio Lower Upper

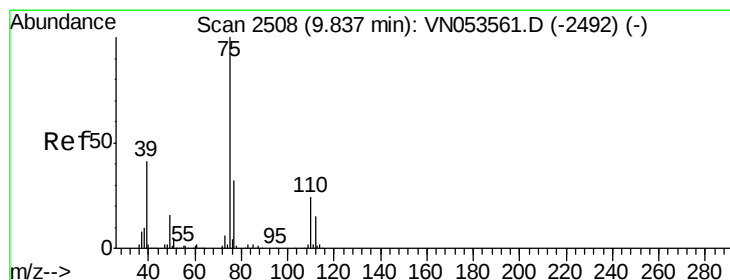
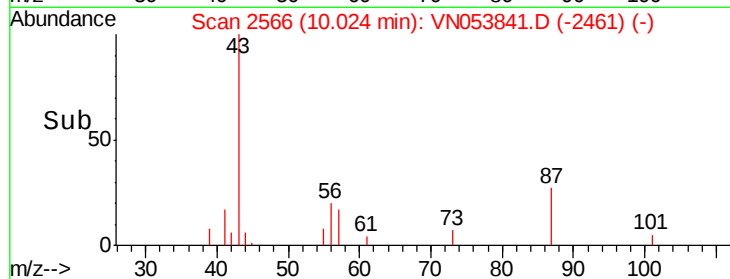
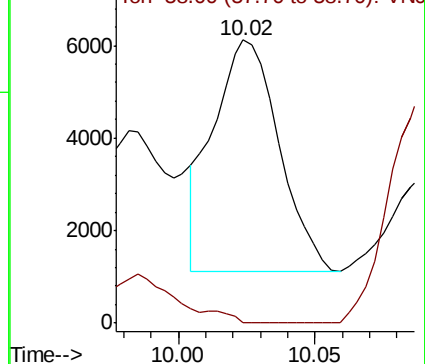
43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.306 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

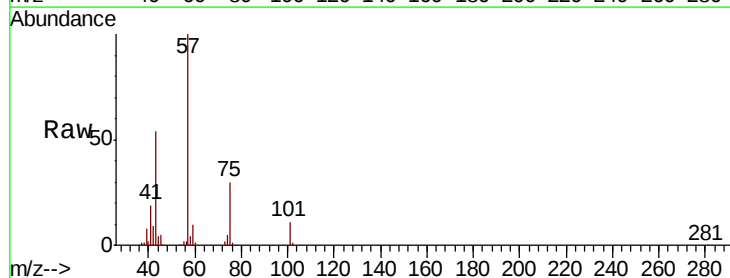
Tgt Ion: 75 Resp: 71328

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

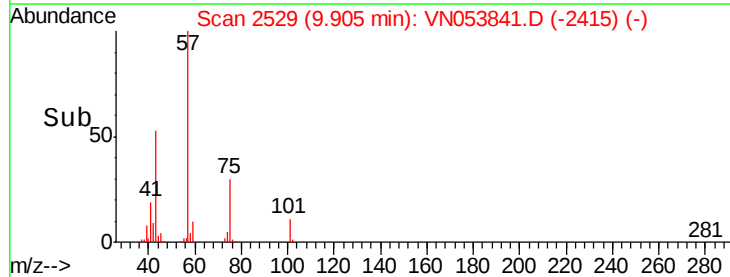
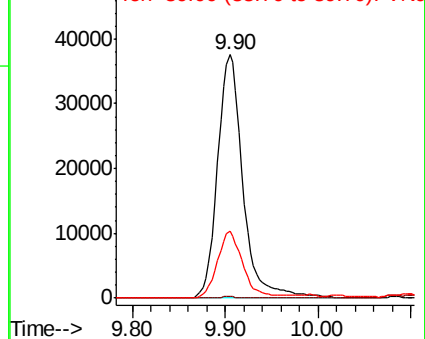
39 27.3 33.4 50.0#

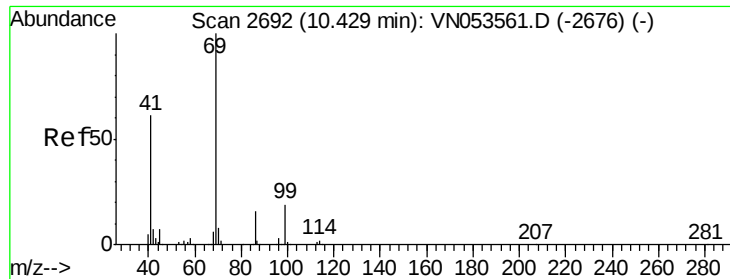


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.229 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#05

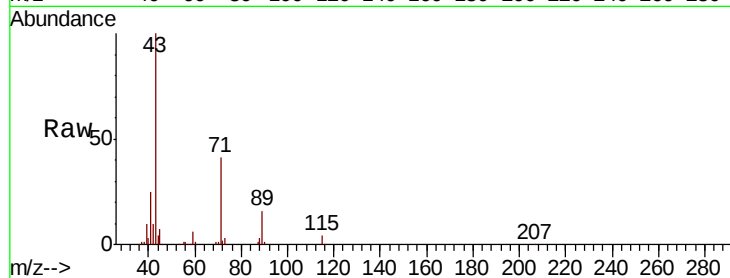
Tgt Ion: 69 Resp: 1722

Ion Ratio Lower Upper

69 100

41 3110.1 49.4 74.0#

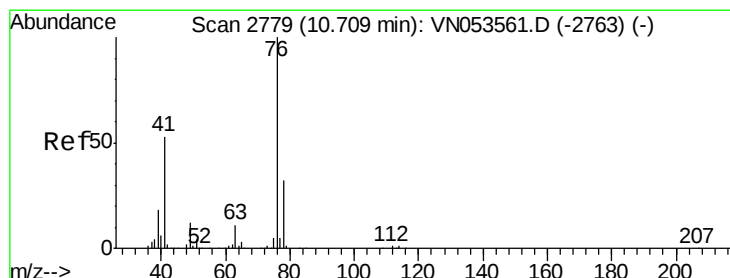
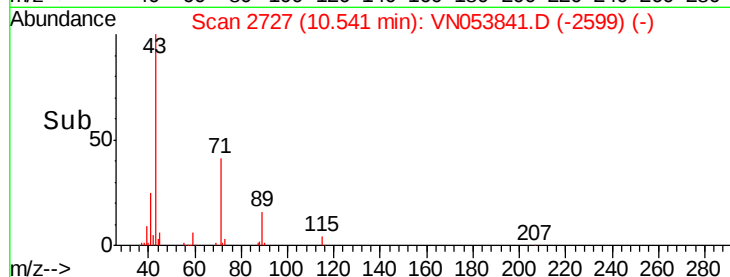
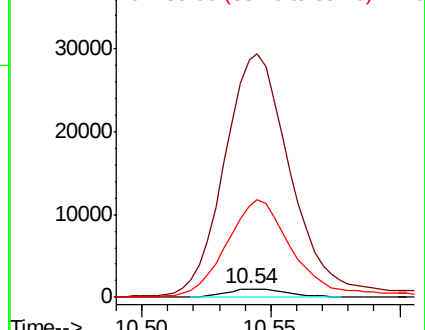
39 1250.8 23.3 34.9#



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: 1.259 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053841.D

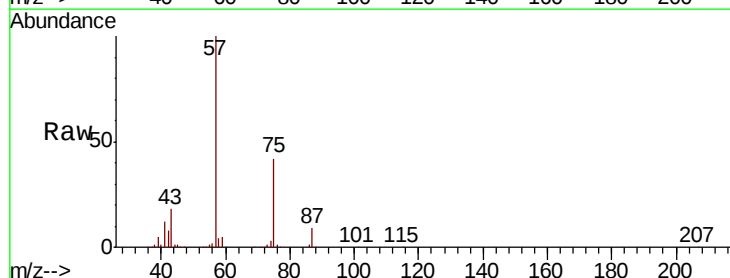
Acq: 18 Feb 2019 14:21

Tgt Ion: 76 Resp: 13684

Ion Ratio Lower Upper

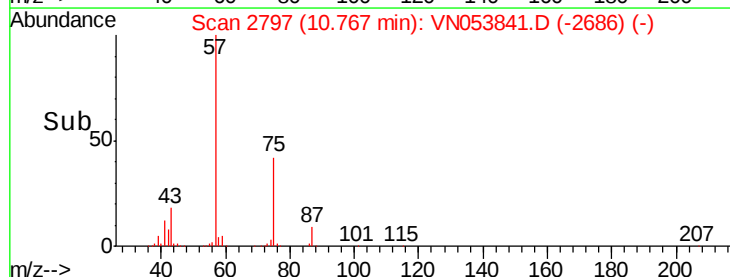
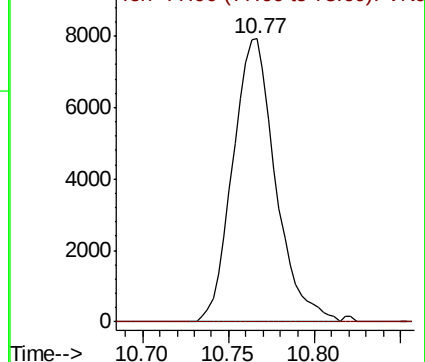
76 100

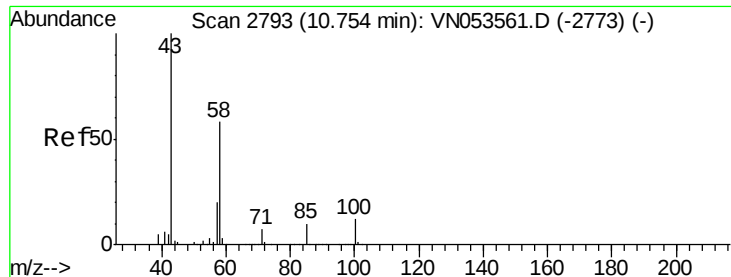
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

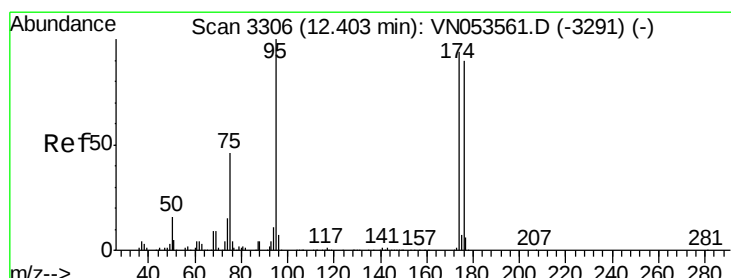
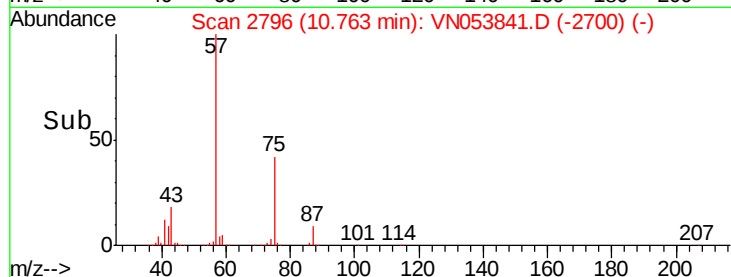
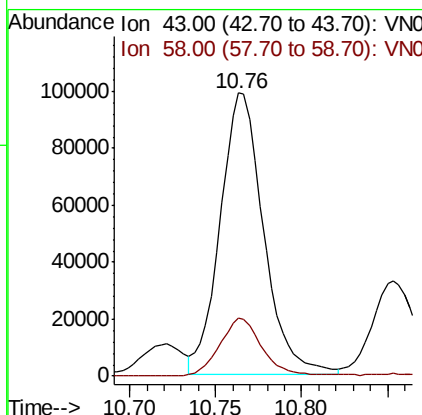
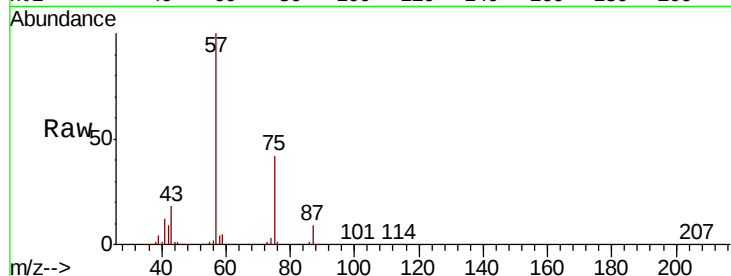




#59
2-Hexanone
Concen: 50.345 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

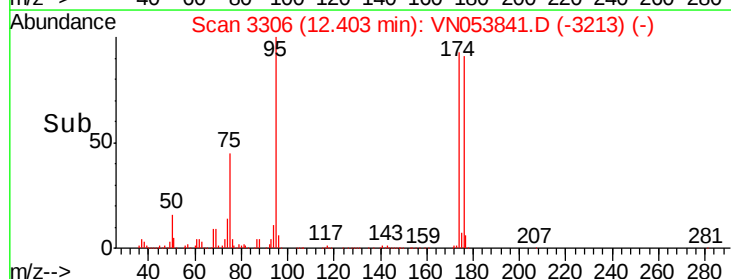
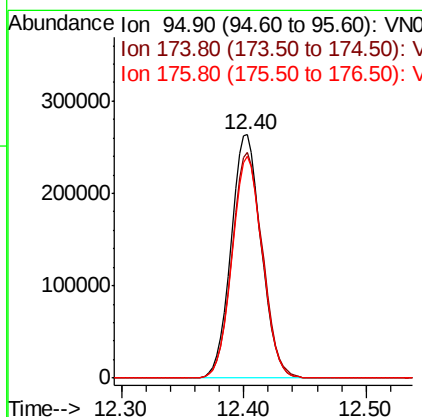
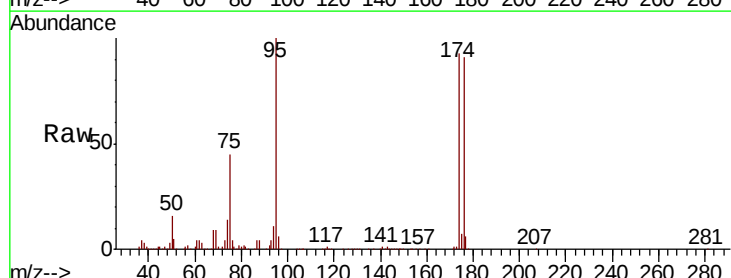
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#05

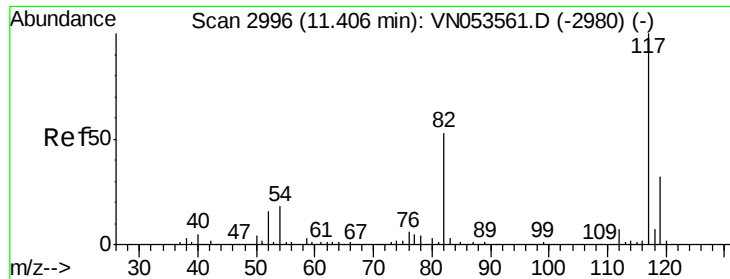
Tgt Ion: 43 Resp: 174670
Ion Ratio Lower Upper
43 100
58 20.4 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 53.615 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053841.D
Acq: 18 Feb 2019 14:21

Tgt Ion: 95 Resp: 453804
Ion Ratio Lower Upper
95 100
174 93.7 0.0 183.2
176 91.2 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#05

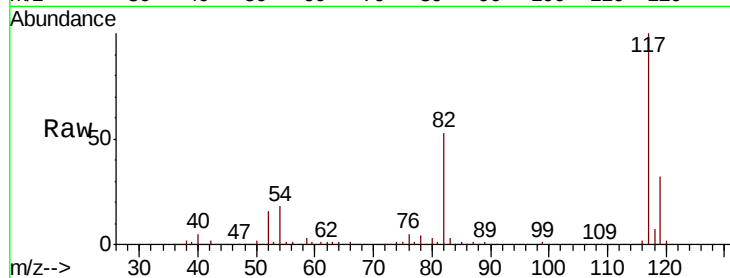
Tgt Ion:117 Resp: 1088914

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

119 32.3 26.0 39.0

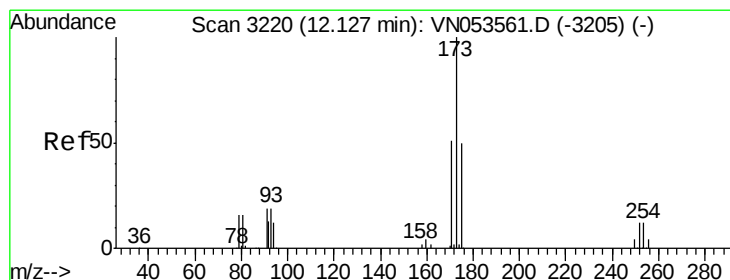
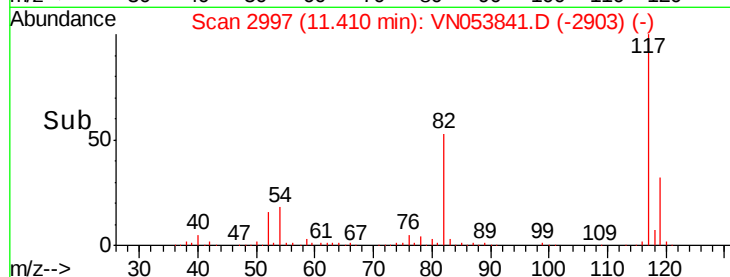
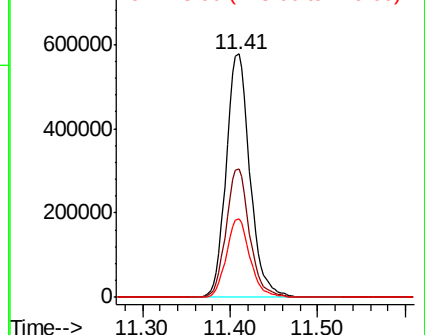


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.590 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

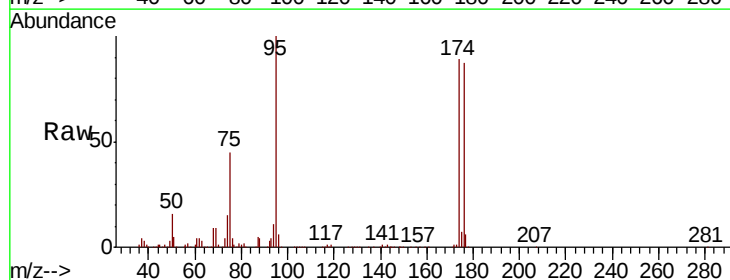
Tgt Ion:173 Resp: 3270

Ion Ratio Lower Upper

173 100

175 804.9 24.6 74.0#

254 0.0 0.2 0.2#

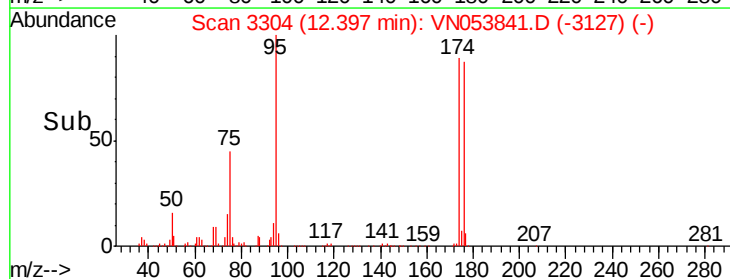
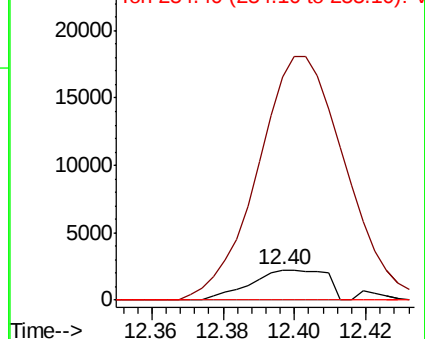


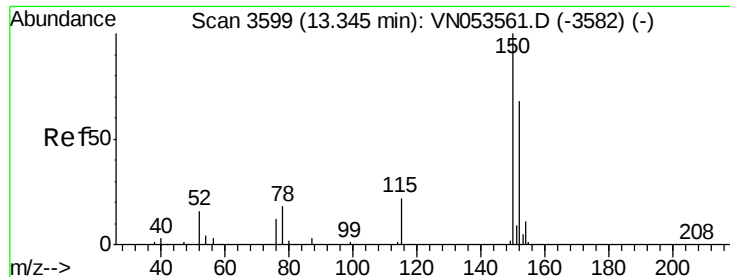
Abundance

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#05

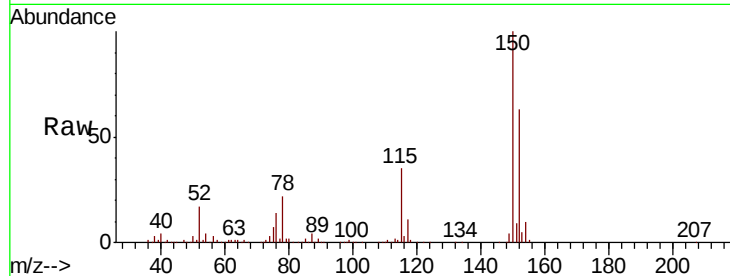
Tgt Ion:152 Resp: 399378

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

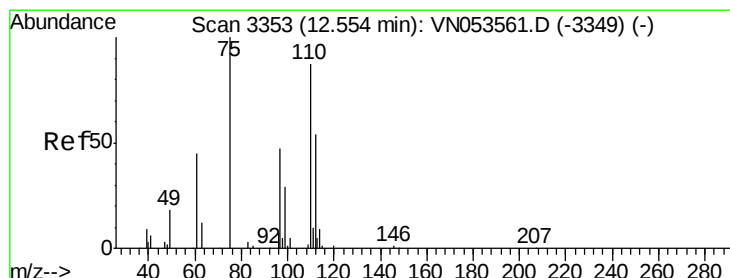
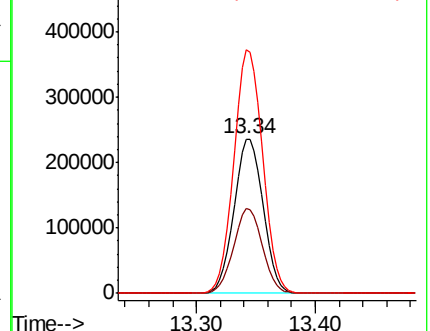
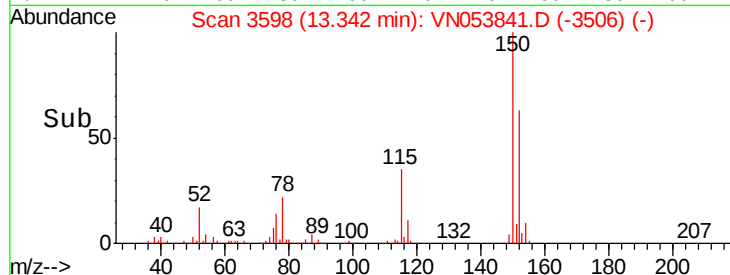
150 156.4 0.0 349.0



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: 39.942 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053841.D

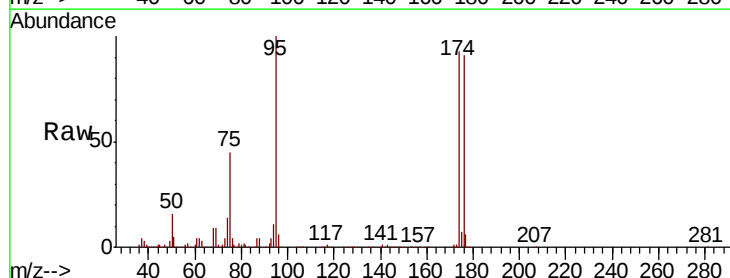
Acq: 18 Feb 2019 14:21

Tgt Ion: 75 Resp: 204891

Ion Ratio Lower Upper

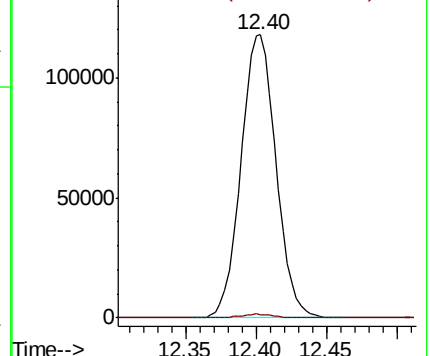
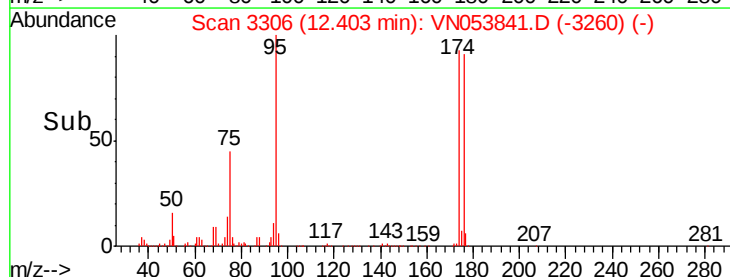
75 100

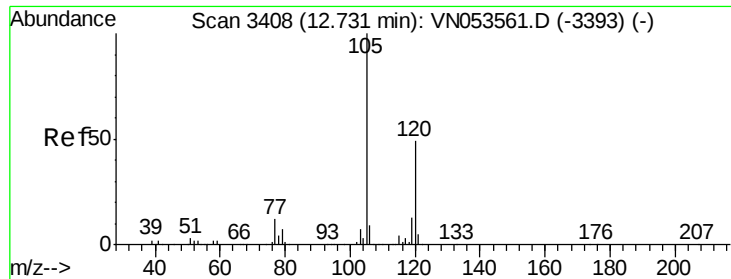
77 1.2 0.0 0.0#



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: 0.729 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

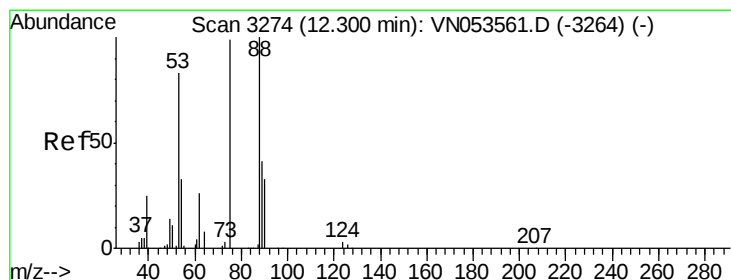
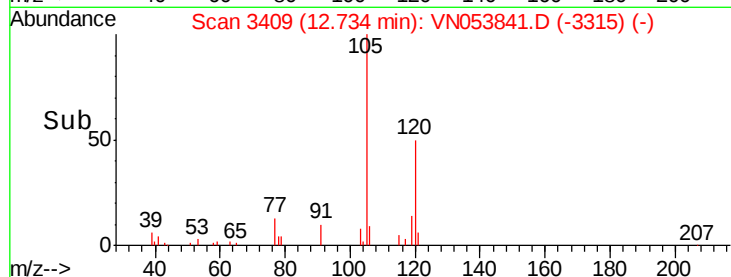
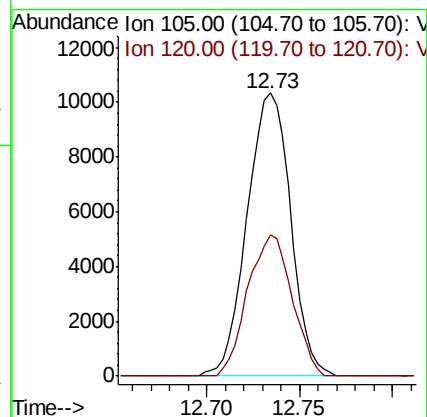
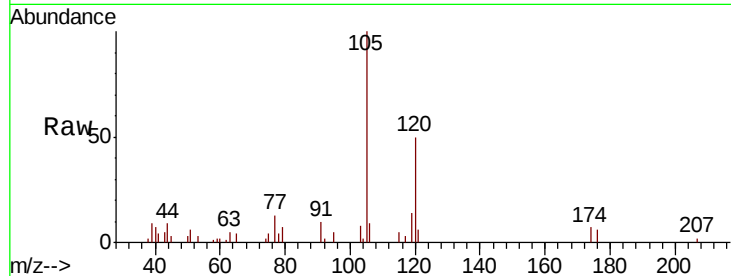
PB117159ZHE#05

Tgt Ion:105 Resp: 16967

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 112.313 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053841.D

Acq: 18 Feb 2019 14:21

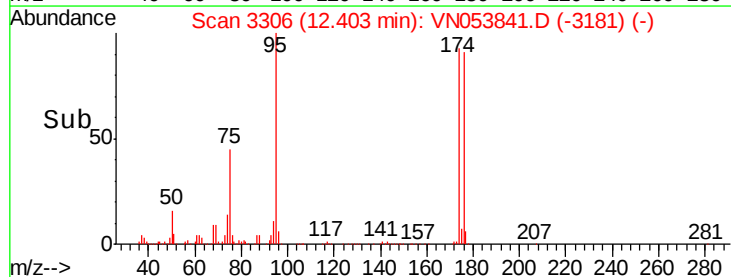
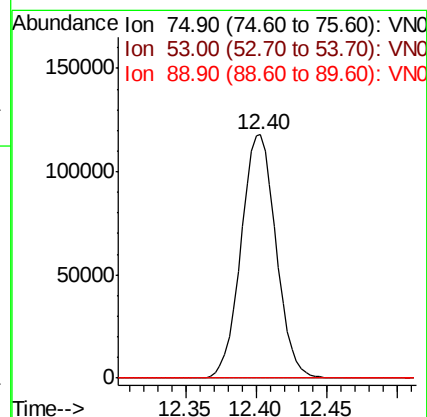
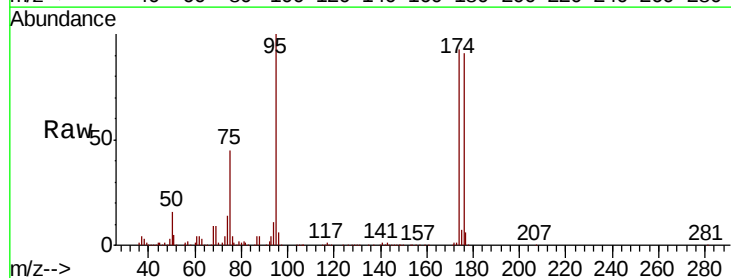
Tgt Ion: 75 Resp: 204891

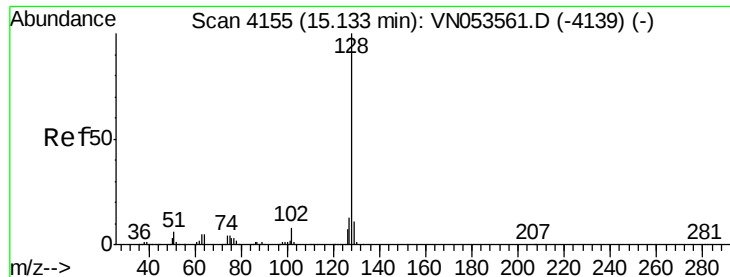
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 1.740 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053841.D
 Acq: 18 Feb 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

