

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053844.D
 Acq On : 18 Feb 2019 15:41
 Operator : JC/SP
 Sample : PB117159ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#08

Quant Time: Feb 19 03:02:06 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	672404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1074233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1029214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407528	50.00	ug/l	0.00

System Monitoring Compounds

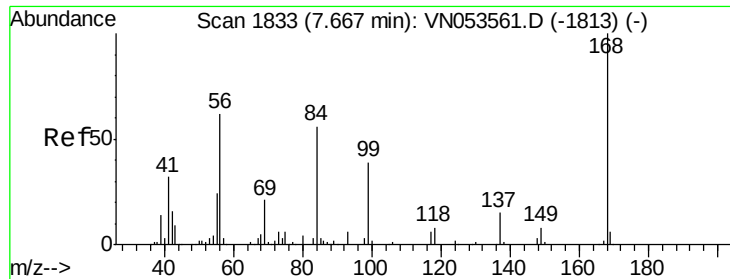
33) 1,2-Dichloroethane-d4	8.03	65	363526	53.89	ug/l	0.00
Spiked Amount						
			Recovery	=	107.78%	
35) Dibromofluoromethane	7.59	113	360644	53.13	ug/l	0.00
Spiked Amount						
			Recovery	=	106.26%	
50) Toluene-d8	10.09	98	1324669	51.97	ug/l	0.00
Spiked Amount						
			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.40	95	432822	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	24354	14.075	ug/l	95
18) Methyl Acetate	4.32	43	1967	0.384	ug/l #	90
20) Methylene Chloride	4.56	84	11693	1.611	ug/l	91
25) 2-Butanone	6.84	43	1769	0.717	ug/l #	88
29) Tetrahydrofuran	7.23	42	1473	0.930	ug/l #	43
31) Cyclohexane	7.66	56	9957	0.706	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41289	4.264	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52013	5.332	ug/l #	16
43) Isopropyl Acetate	8.18	43	29219	2.798	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	1977	0.259	ug/l #	43
48) Methyl methacrylate	9.18	41	8406	1.686	ug/l #	12
49) 1,4-Dioxane	9.27	88	126	40.774	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7599	1.481	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	68239	6.007	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	13162	1.206	ug/l #	43
59) 2-Hexanone	10.76	43	170068	48.810	ug/l #	51
74) N-amyl acetate	11.88	43	18898	2.743	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	203094	38.800	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	14802	0.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	203094	109.101	ug/l #	15

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

```
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Misc      : 5.00mL/MSVOA_N/WATER
ALS Vial  : 16      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053844.D

Acq: 18 Feb 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

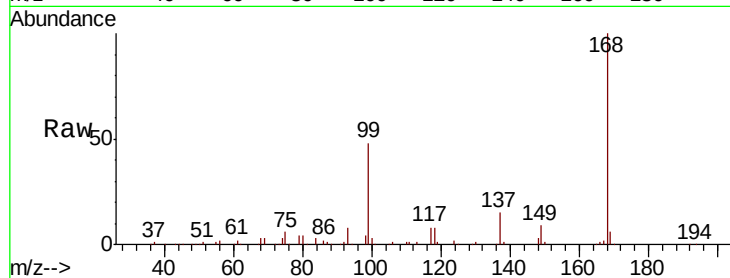
PB117159ZHE#08

Tgt Ion:168 Resp: 672404

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053561.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053561.D (-1813) (-)

7.67

250000

200000

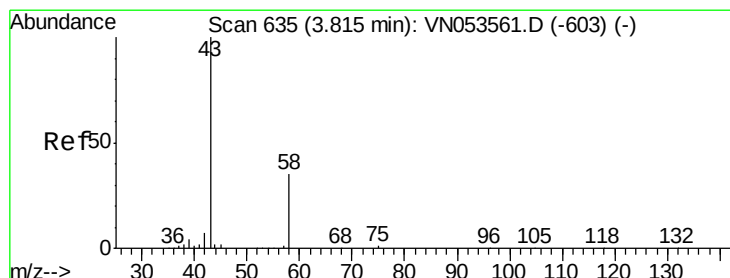
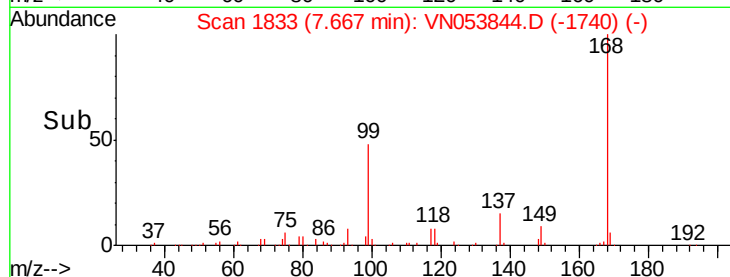
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 14.075 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053844.D

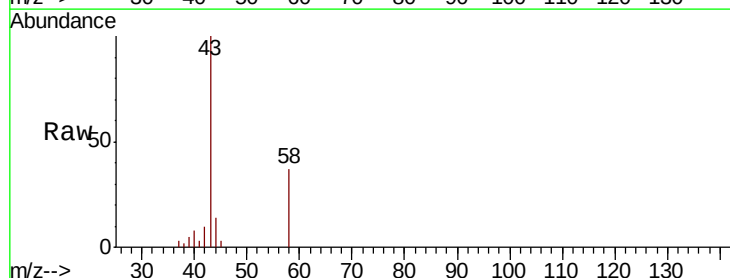
Acq: 18 Feb 2019 15:41

Tgt Ion: 43 Resp: 24354

Ion Ratio Lower Upper

43 100

58 36.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

3.82

10000

8000

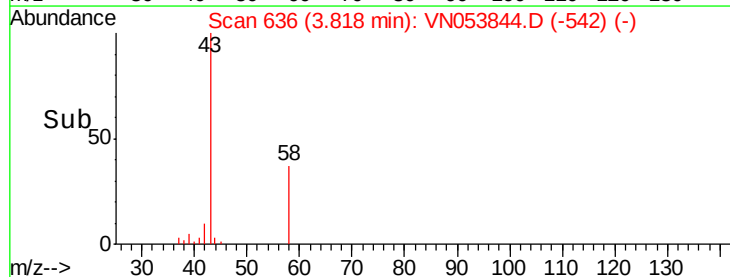
6000

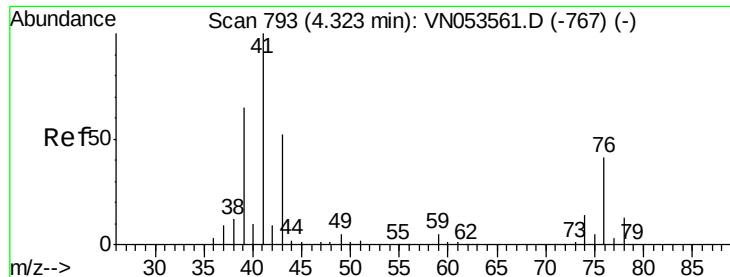
4000

2000

0

Time--> 3.70 3.80 3.90

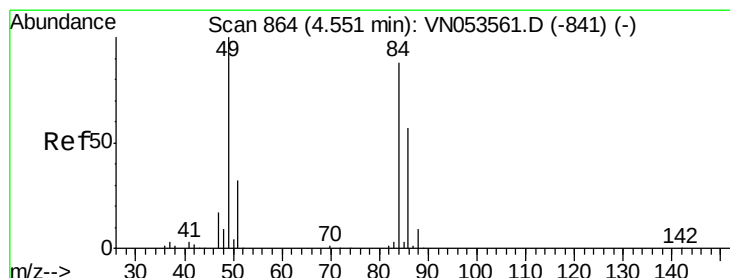
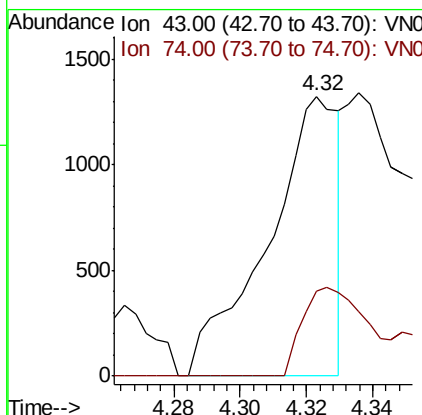
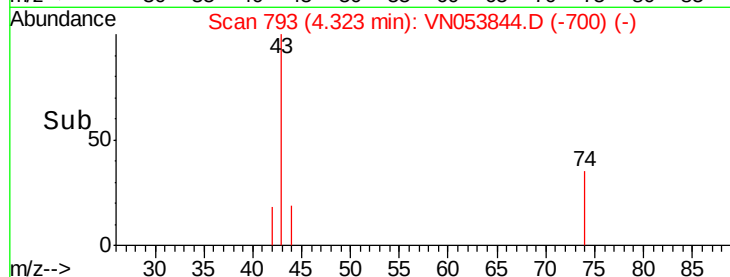
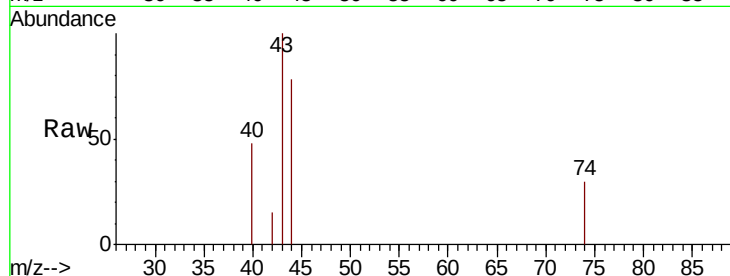




#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

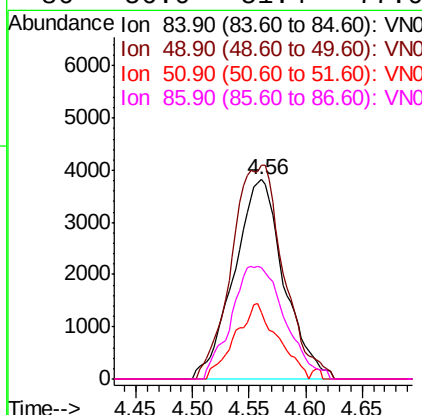
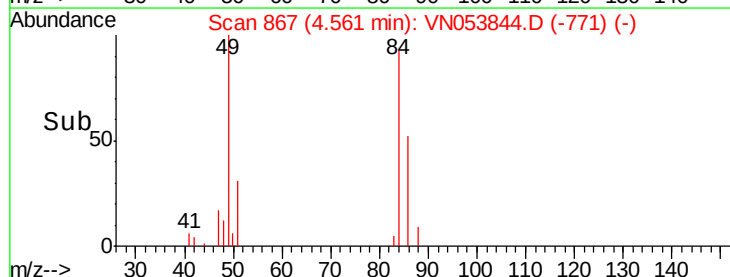
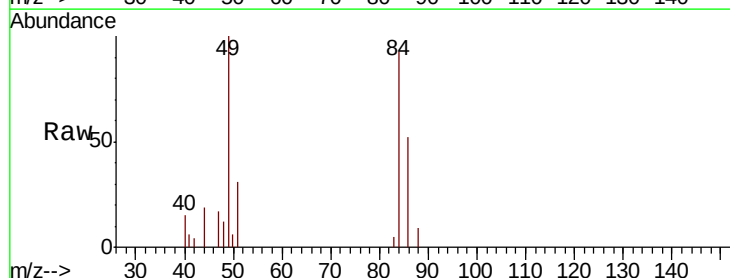
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#08

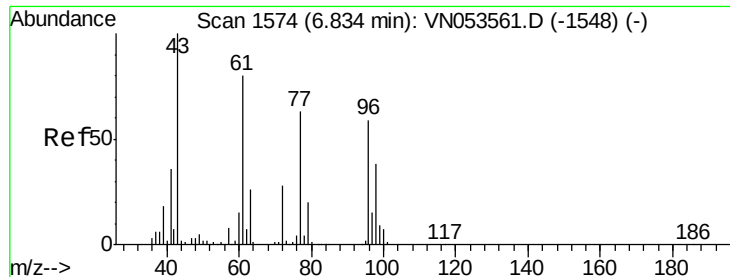
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
74 29.2 19.4 29.2#



#20
Methylene Chloride
Concen: 1.611 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Tgt Ion: 84 Resp: 11693
Ion Ratio Lower Upper
84 100
49 107.1 94.3 141.5
51 33.7 29.4 44.2
86 56.0 51.4 77.0

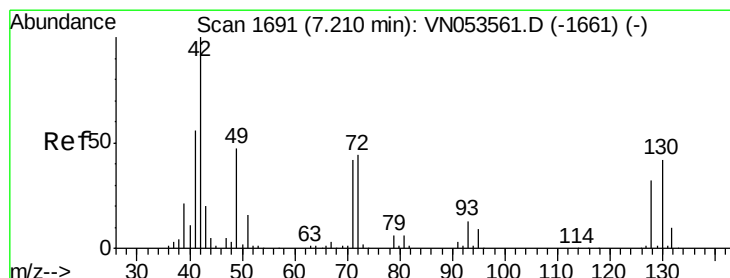
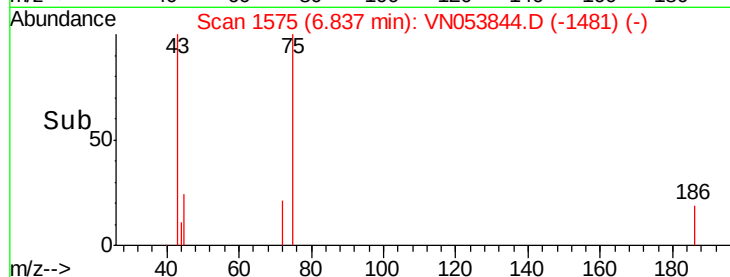
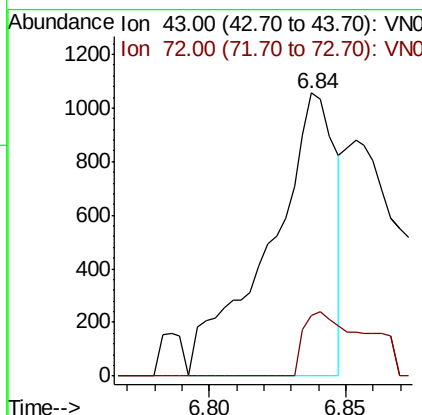
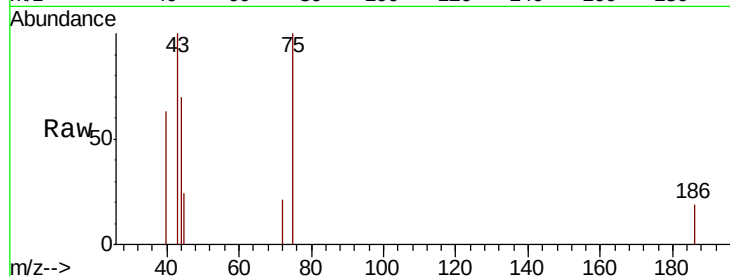




#25
 2-Butanone
 Concen: 0.717 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

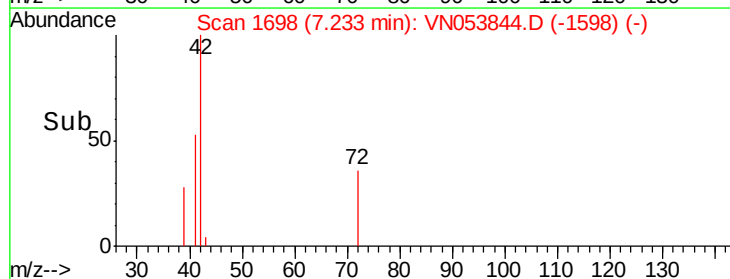
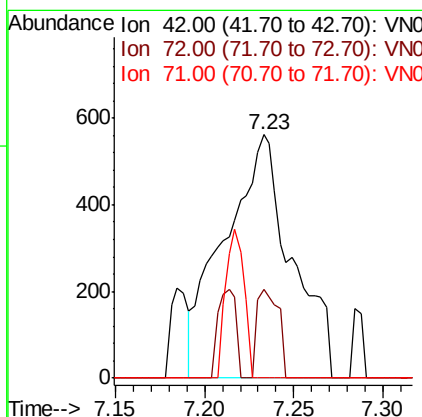
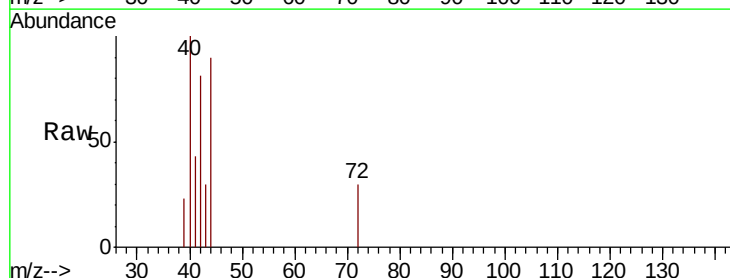
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#08

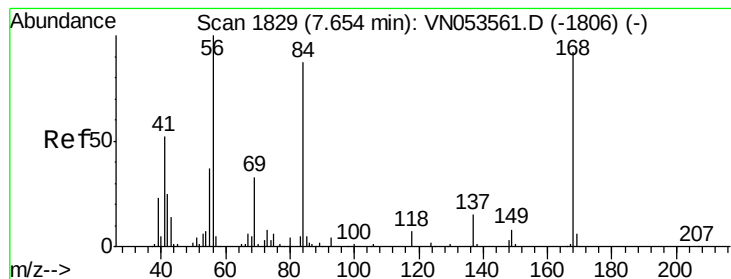
Tgt Ion: 43 Resp: 1769
 Ion Ratio Lower Upper
 43 100
 72 21.5 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.930 ug/l
 RT: 7.23 min Scan# 1698
 Delta R.T. 0.02 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

Tgt Ion: 42 Resp: 1473
 Ion Ratio Lower Upper
 42 100
 72 11.8 35.2 52.8#
 71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.706 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053844.D

Acq: 18 Feb 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#08

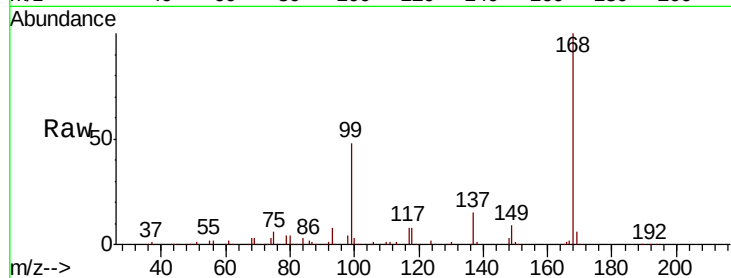
Tgt Ion: 56 Resp: 9957

Ion Ratio Lower Upper

56 100

69 189.2 26.4 39.6#

84 161.5 67.9 101.9#

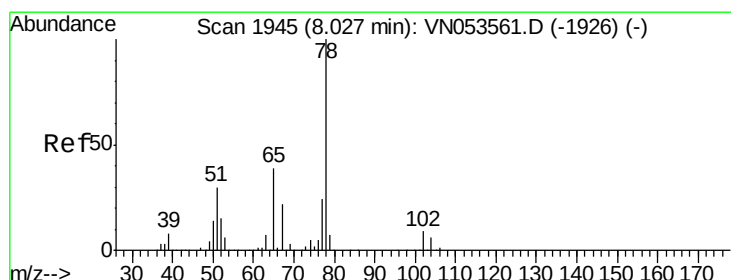
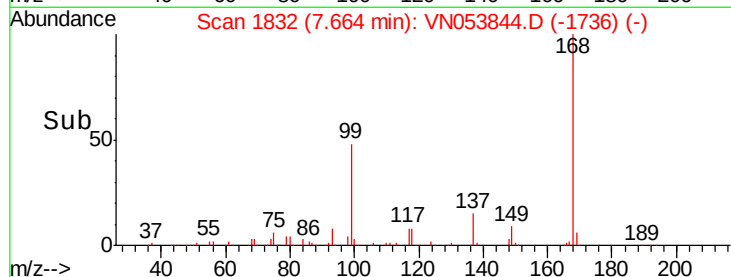
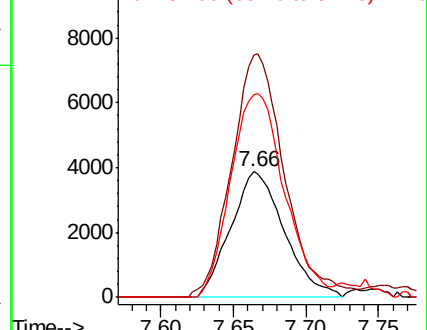


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 53.892 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053844.D

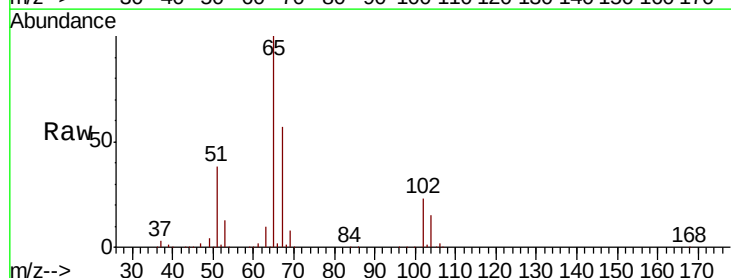
Acq: 18 Feb 2019 15:41

Tgt Ion: 65 Resp: 363526

Ion Ratio Lower Upper

65 100

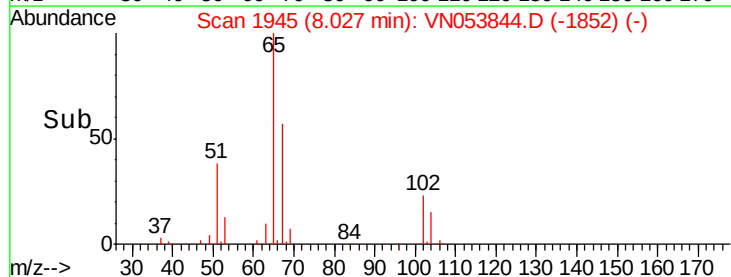
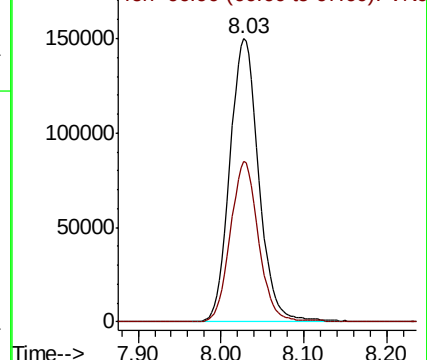
67 55.4 0.0 111.2

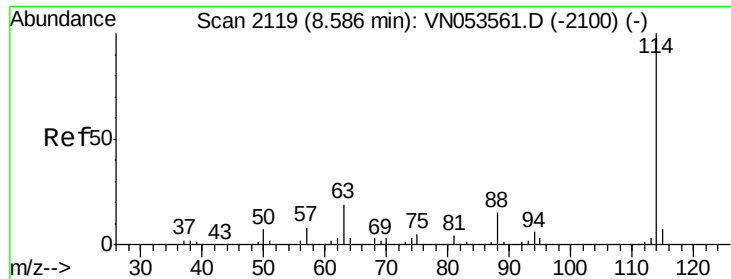


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

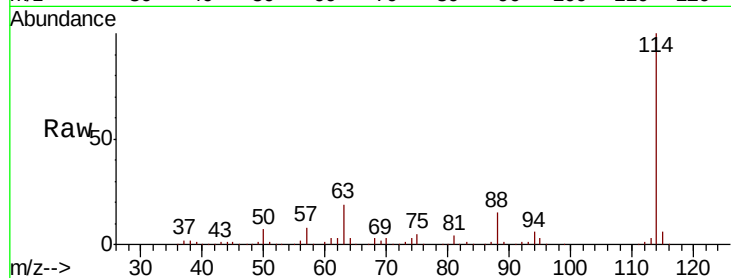




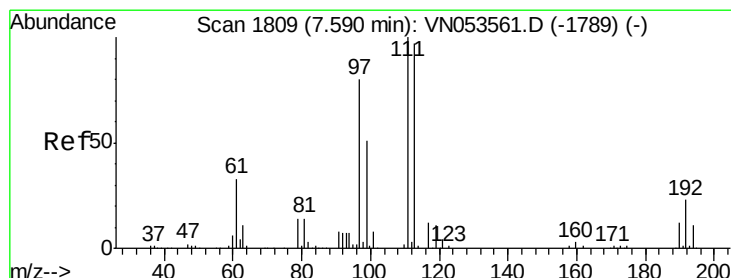
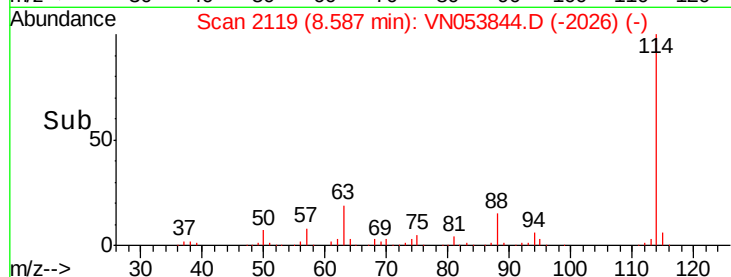
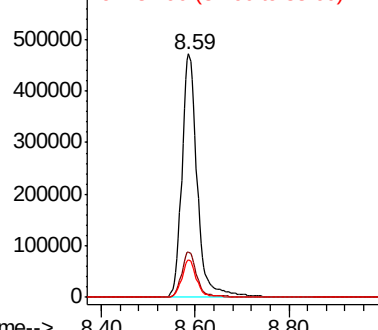
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#08

Tgt Ion:114 Resp: 1074233
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.2 0.0 30.4

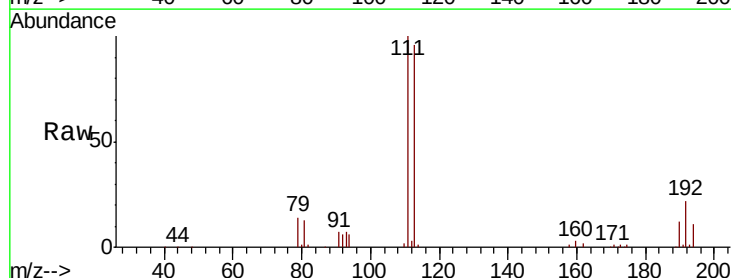


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

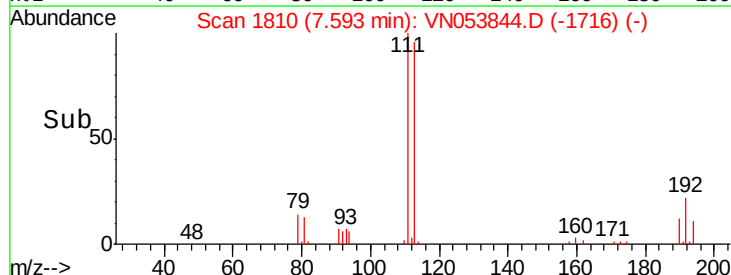
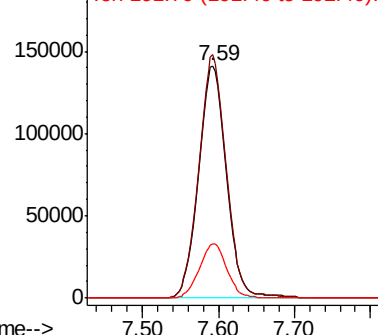


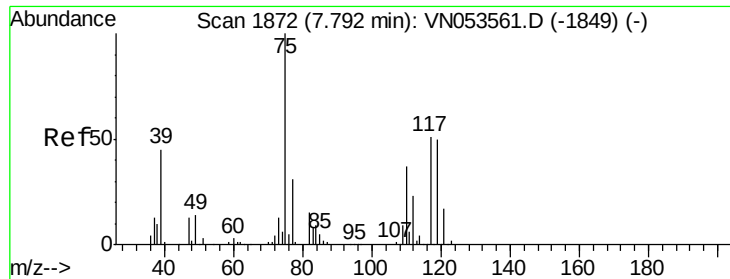
#35
Dibromofluoromethane
Concen: 53.131 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Tgt Ion:113 Resp: 360644
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 23.1 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

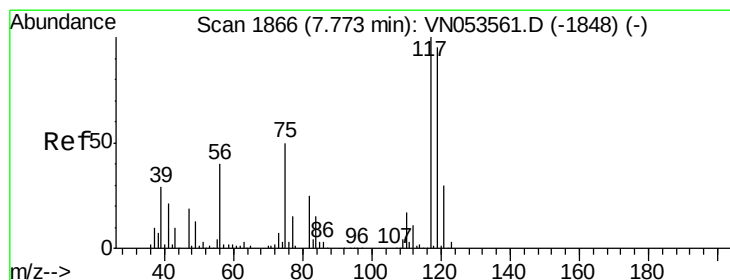
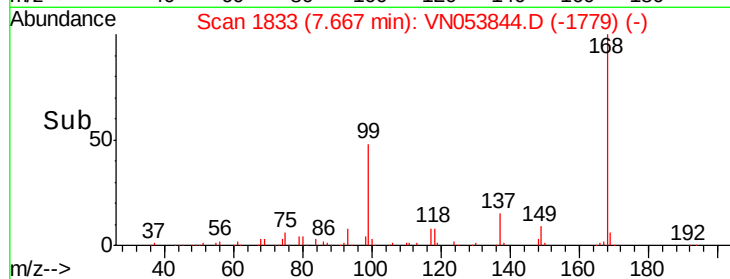
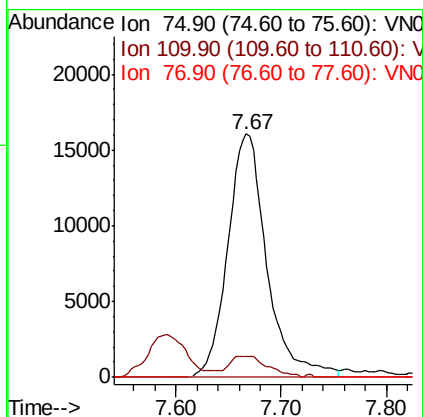
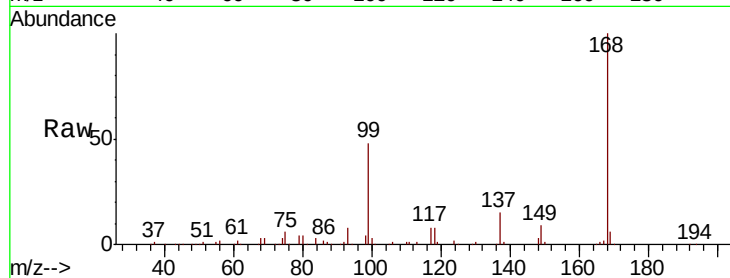




#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

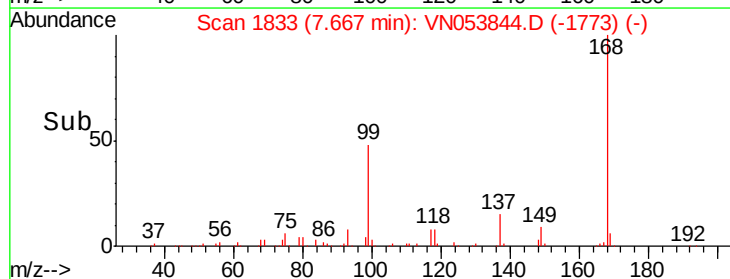
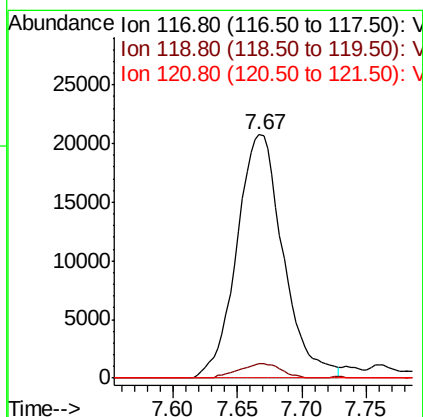
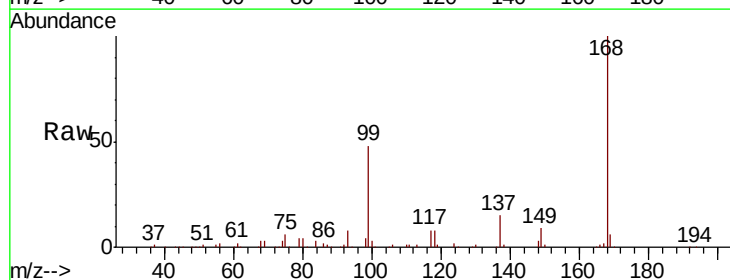
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 MSVOA_N
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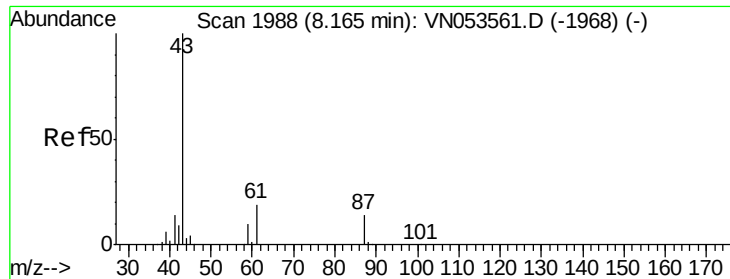
Tgt Ion: 75 Resp: 41289
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.332 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

Tgt Ion: 117 Resp: 52013
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 2.798 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053844.D

Acq: 18 Feb 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#08

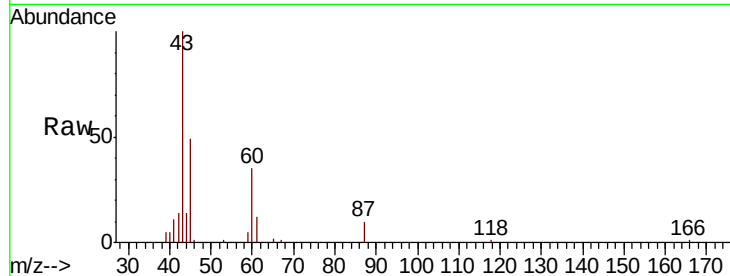
Tgt Ion: 43 Resp: 29219

Ion Ratio Lower Upper

43 100

61 19.6 23.9 35.9#

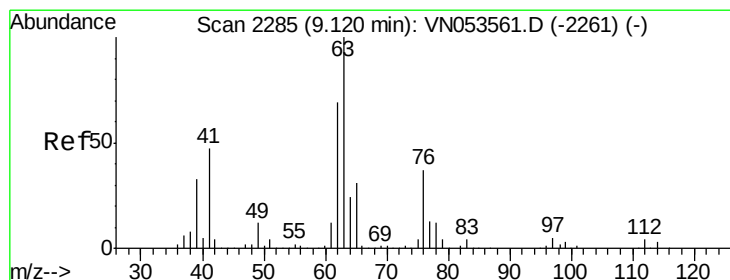
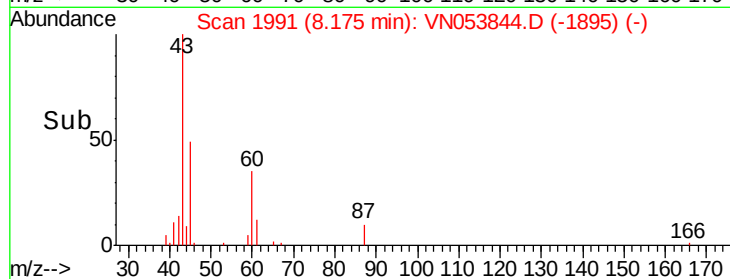
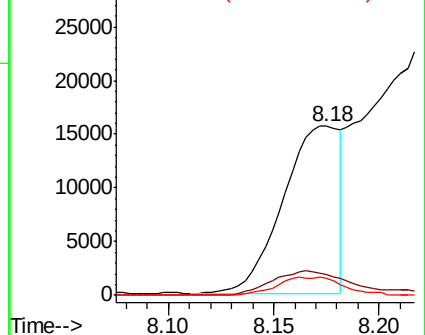
87 12.7 11.0 16.6



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: 0.259 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053844.D

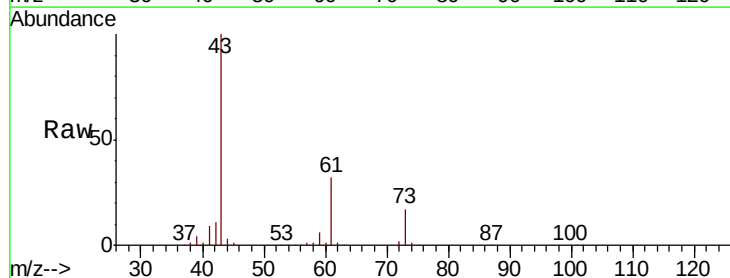
Acq: 18 Feb 2019 15:41

Tgt Ion: 63 Resp: 1977

Ion Ratio Lower Upper

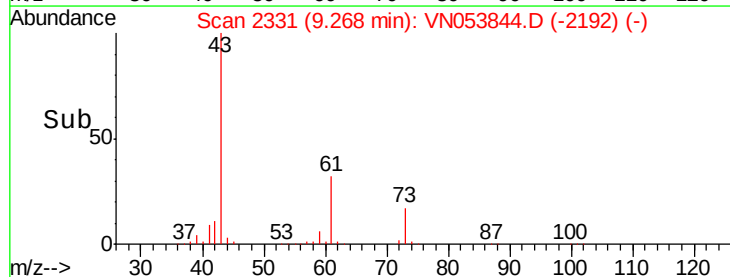
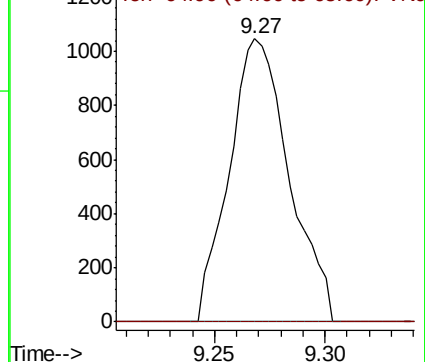
63 100

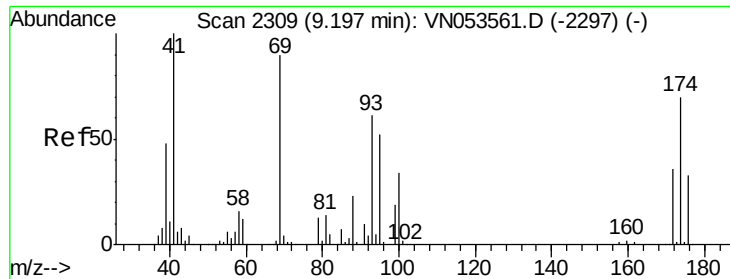
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

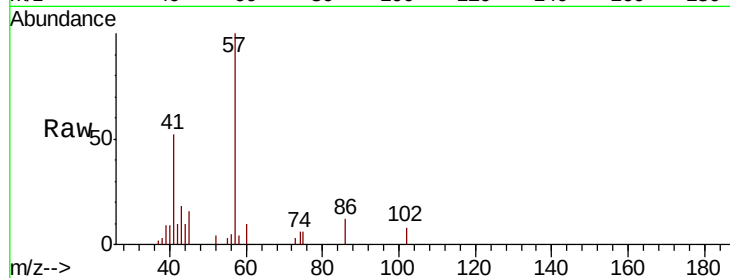




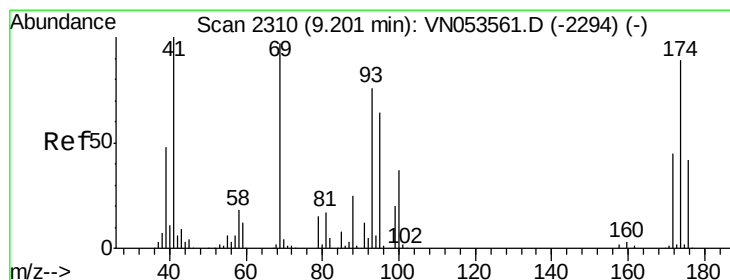
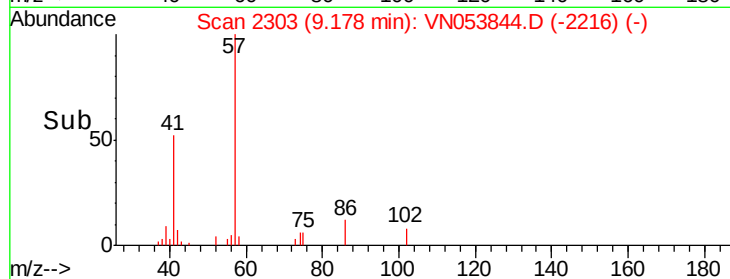
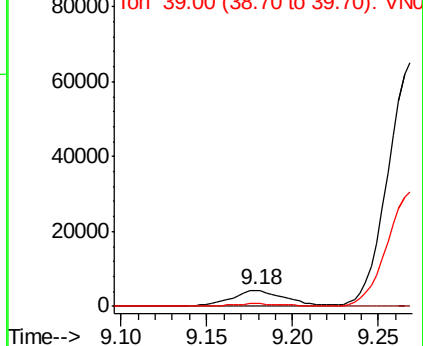
#48
Methyl methacrylate
Concen: 1.686 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#08

Tgt Ion: 41 Resp: 8406
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

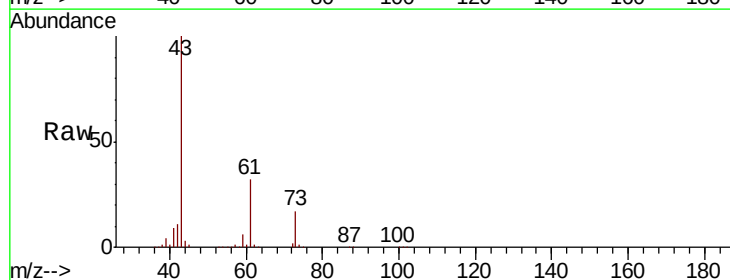


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

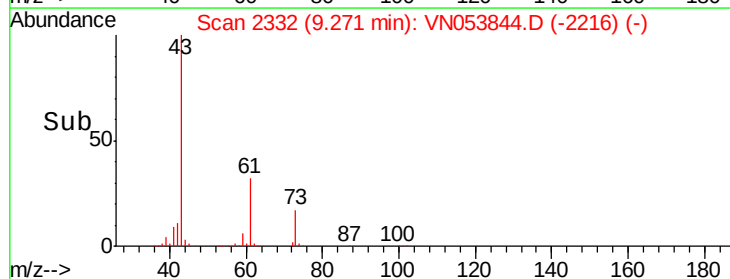
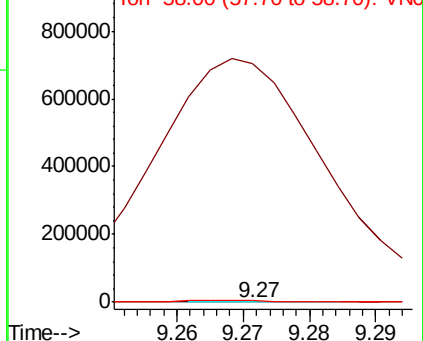


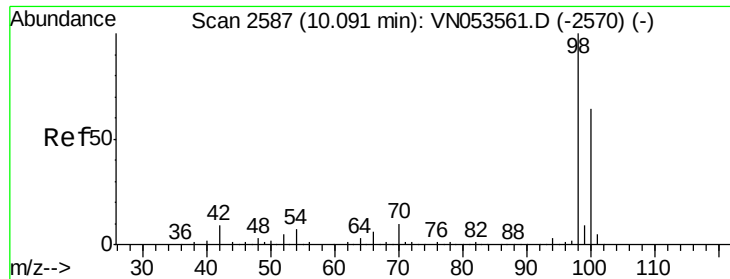
#49
1,4-Dioxane
Concen: 40.774 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
43 1169362.7 27.8 41.6#
58 5980.2 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053844.D

Acq: 18 Feb 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

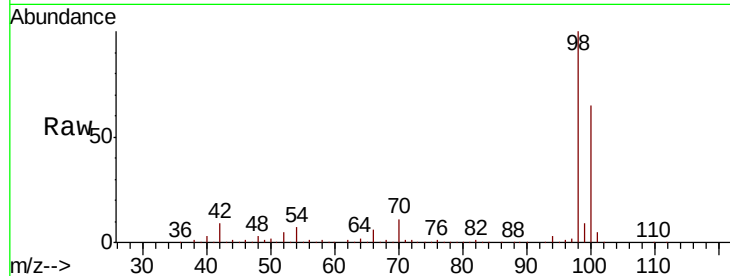
PB117159ZHE#08

Tgt Ion: 98 Resp: 1324669

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053844.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053844.D (-2494) (-)

10.09

600000

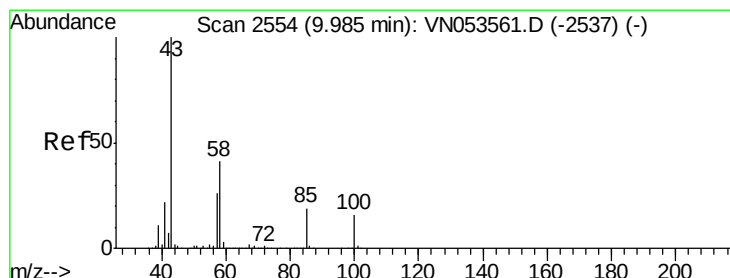
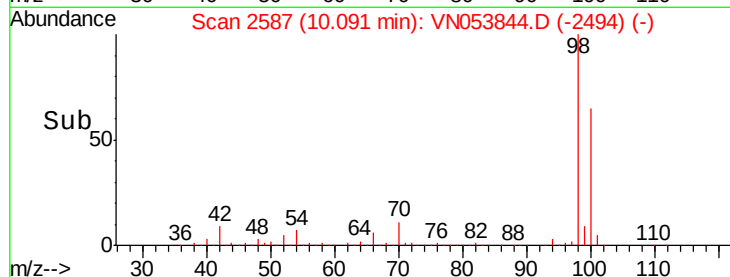
400000

200000

0

10.00 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.481 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053844.D

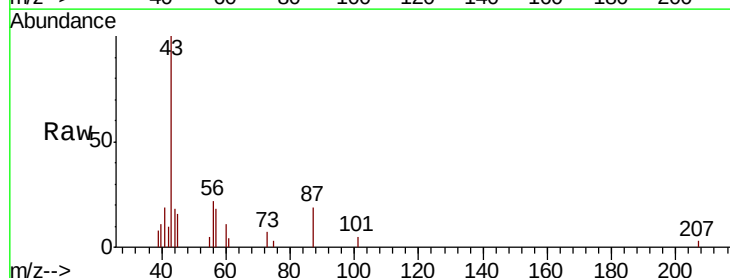
Acq: 18 Feb 2019 15:41

Tgt Ion: 43 Resp: 7599

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053844.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN053844.D (-2461) (-)

10.02

6000

5000

4000

3000

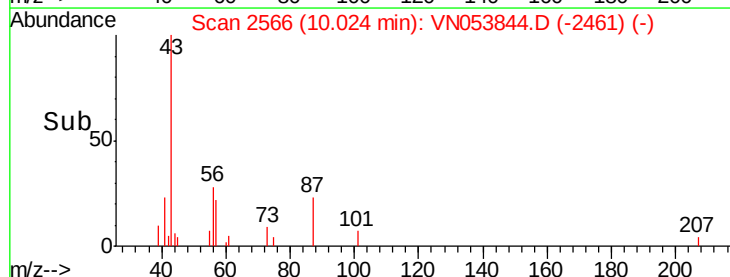
2000

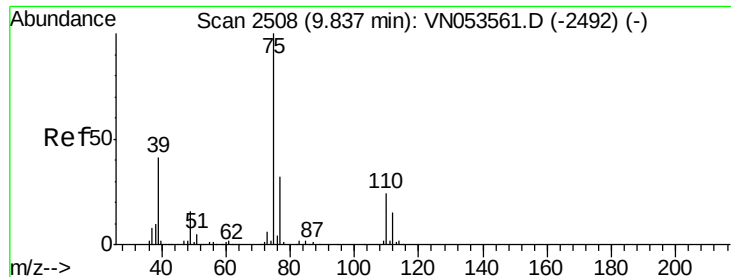
1000

0

10.00 10.05

Time-->

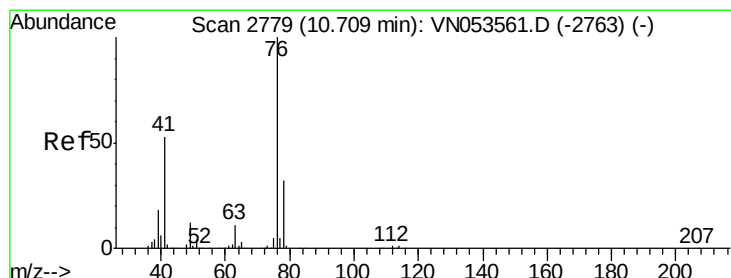
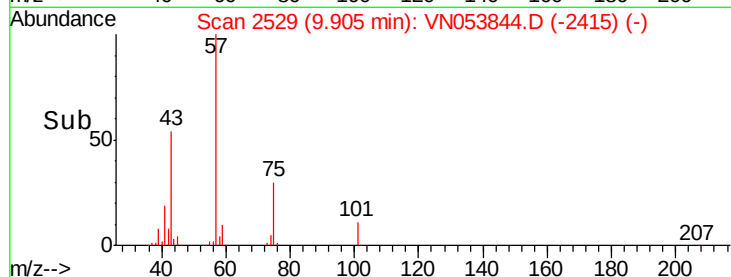
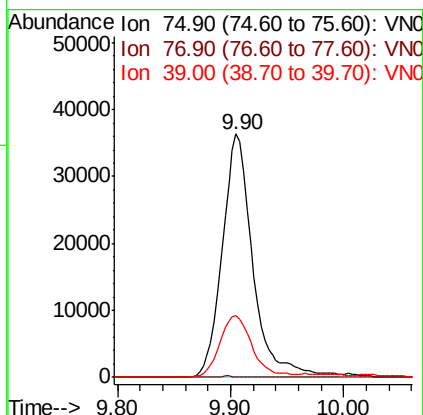
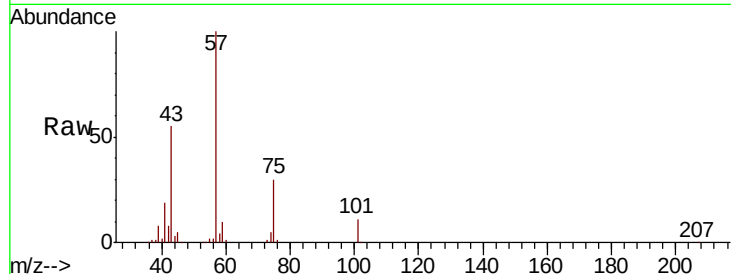




#54
 cis-1,3-Dichloropropene
 Concen: 6.007 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

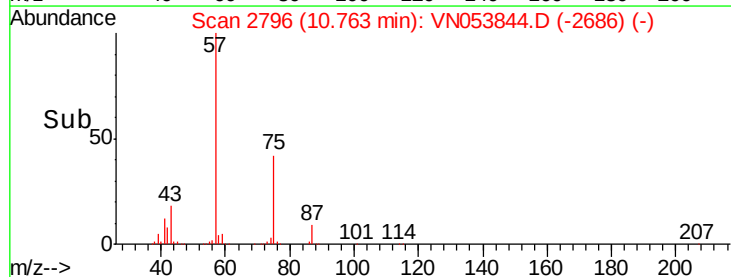
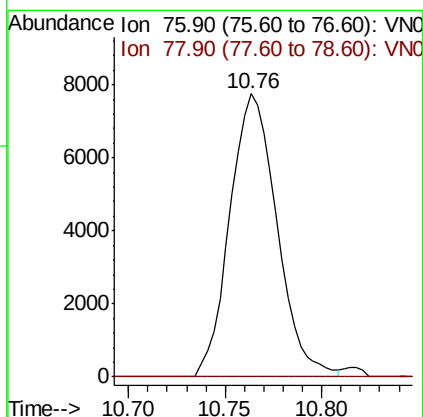
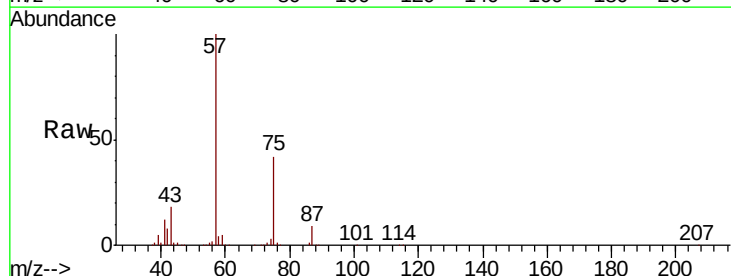
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#08

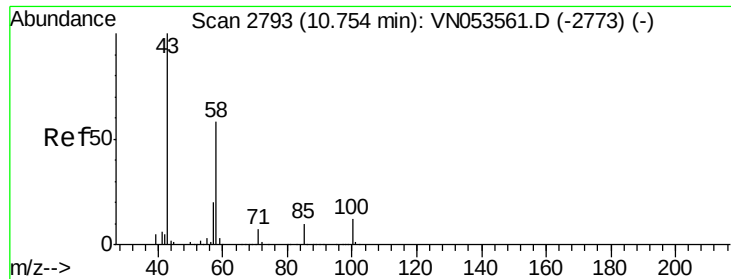
Tgt Ion: 75 Resp: 68239
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 25.4 33.4 50.0#



#57
 1,3-Dichloropropane
 Concen: 1.206 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

Tgt Ion: 76 Resp: 13162
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

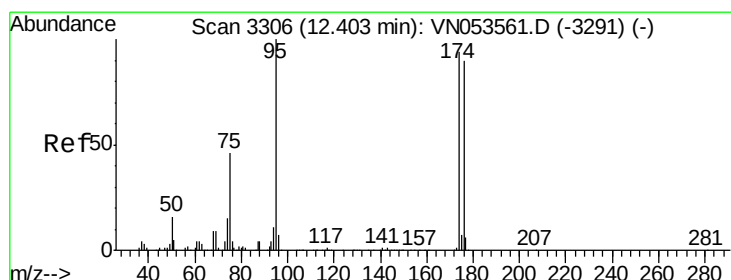
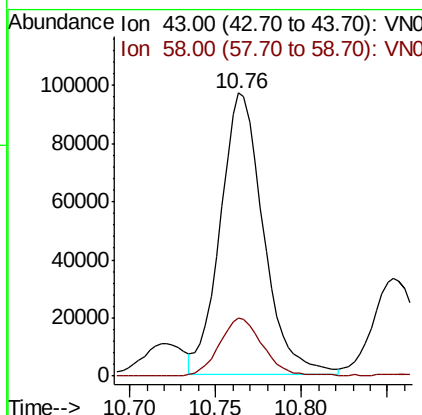
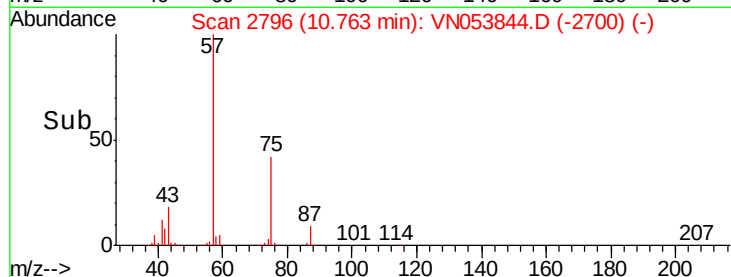
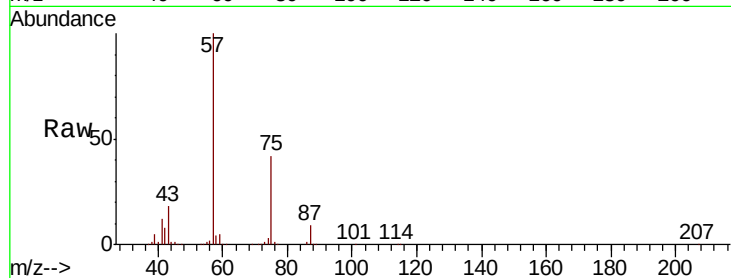




#59
2-Hexanone
Concen: 48.810 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

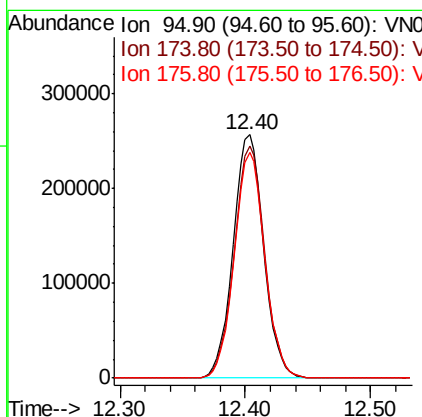
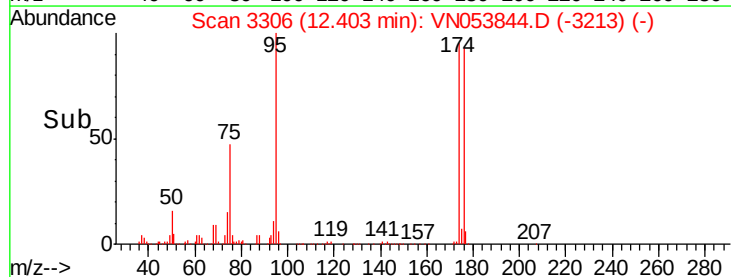
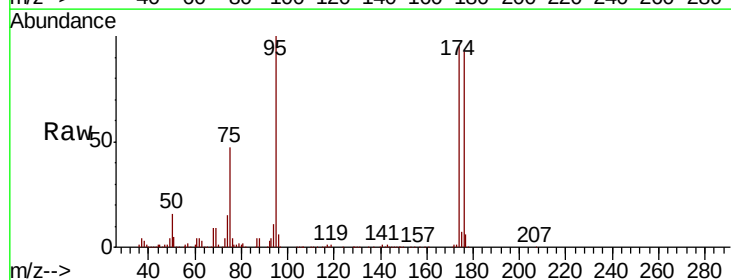
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#08

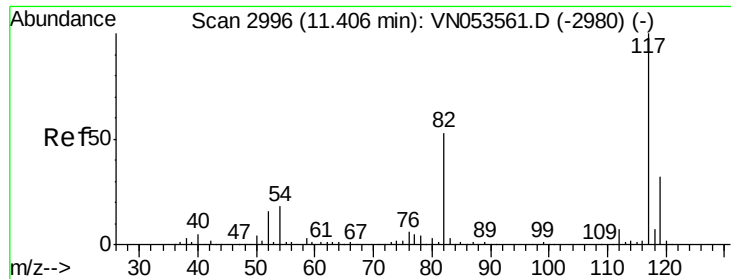
Tgt Ion: 43 Resp: 170068
Ion Ratio Lower Upper
43 100
58 21.0 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 50.919 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Tgt Ion: 95 Resp: 432822
Ion Ratio Lower Upper
95 100
174 95.6 0.0 183.2
176 92.6 0.0 177.4

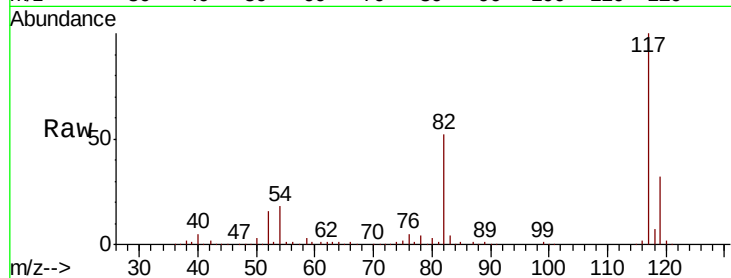




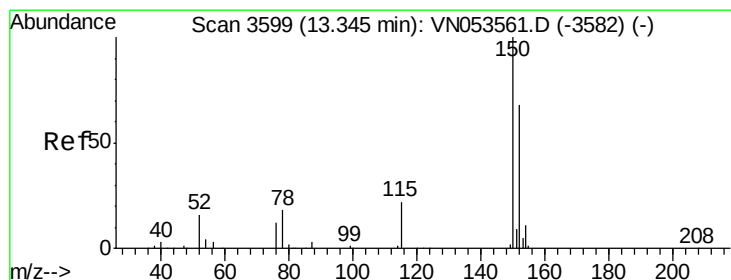
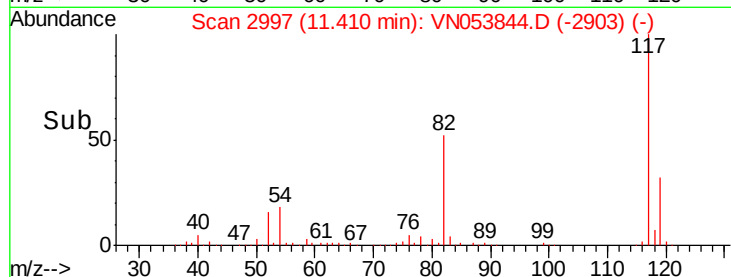
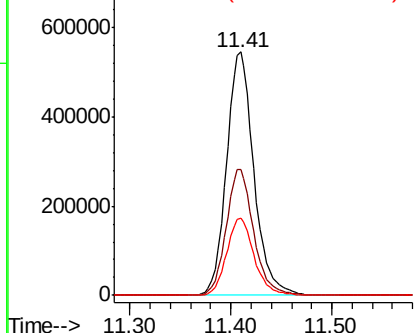
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#08

Tgt Ion:117 Resp: 1029214
Ion Ratio Lower Upper
117 100
82 51.7 42.9 64.3
119 31.9 26.0 39.0

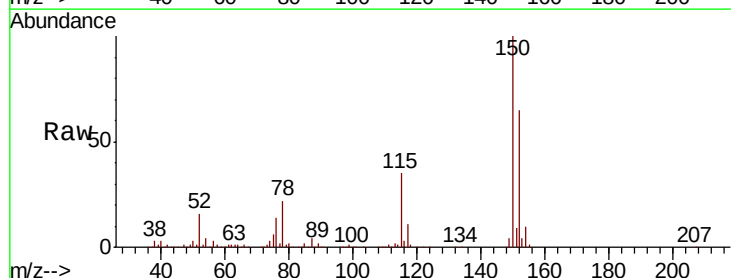


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

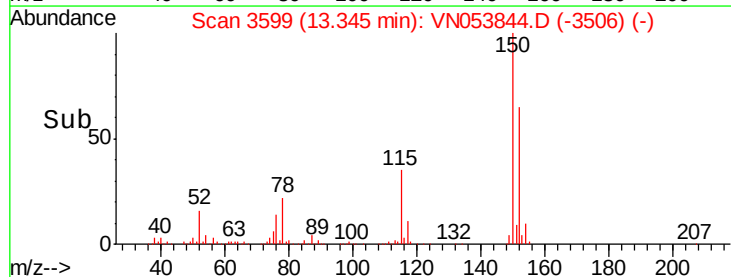
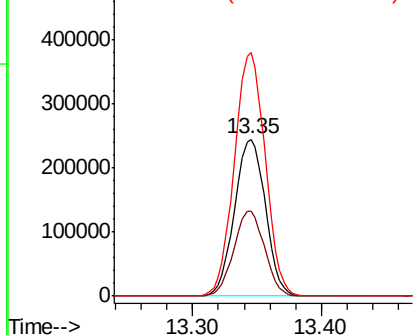


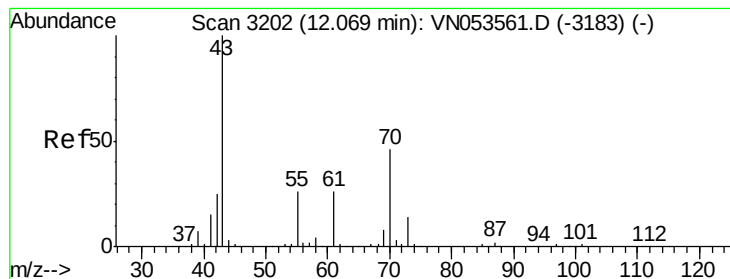
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053844.D
Acq: 18 Feb 2019 15:41

Tgt Ion:152 Resp: 407528
Ion Ratio Lower Upper
152 100
115 53.9 27.8 83.4
150 155.3 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





#74

N-amyI acetate

Concen: 2.743 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053844.D

Acq: 18 Feb 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#08

Tgt Ion: 43 Resp: 18898

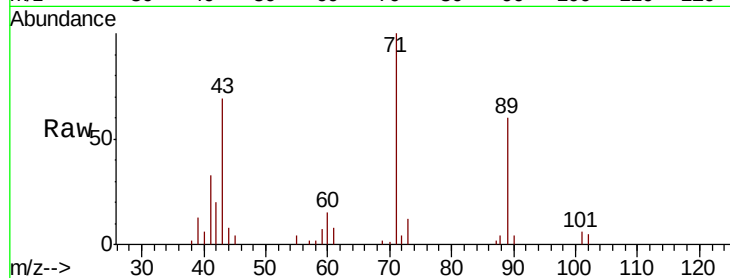
Ion Ratio Lower Upper

43 100

70 0.9 35.4 53.2#

55 5.5 20.9 31.3#

61 10.8 20.5 30.7#

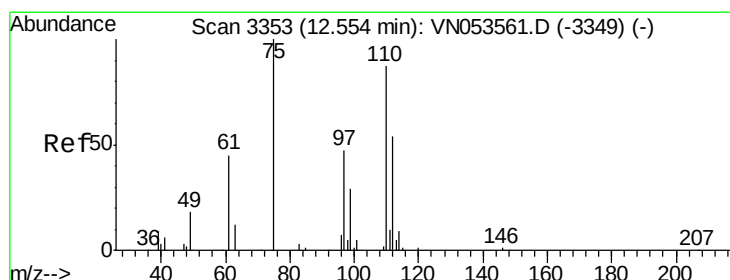
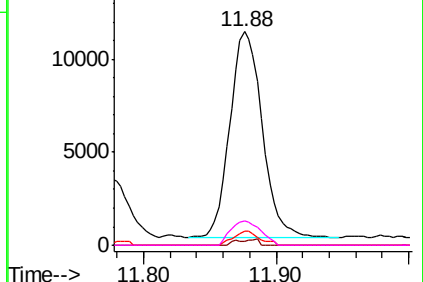
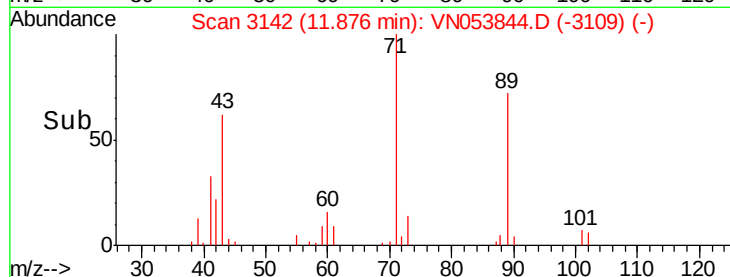


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 38.800 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053844.D

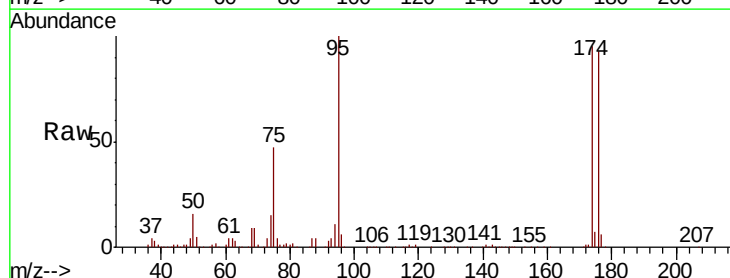
Acq: 18 Feb 2019 15:41

Tgt Ion: 75 Resp: 203094

Ion Ratio Lower Upper

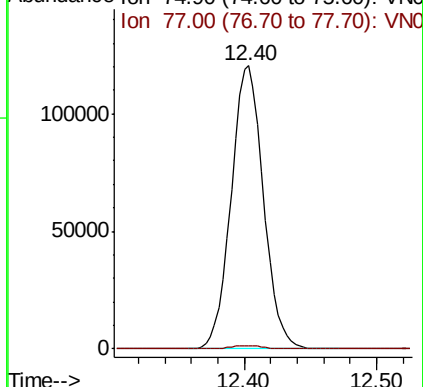
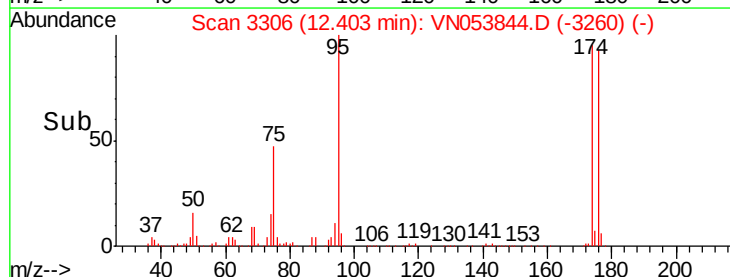
75 100

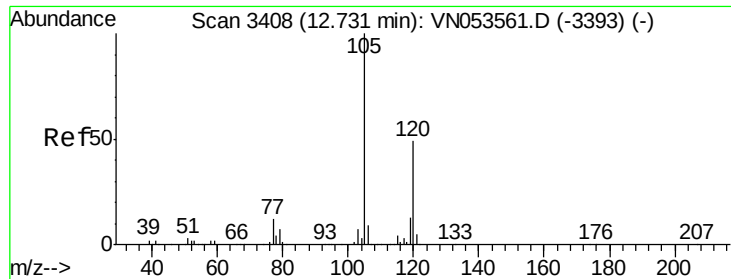
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

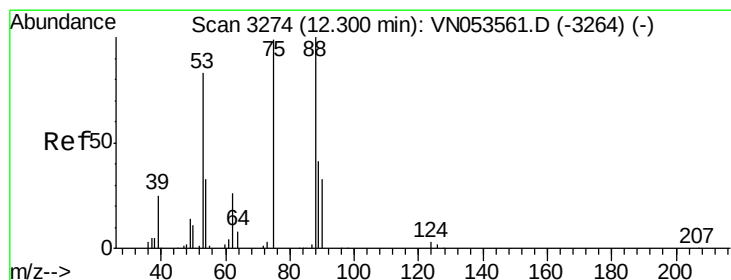
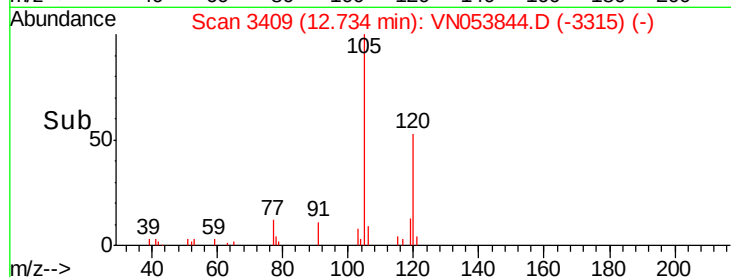
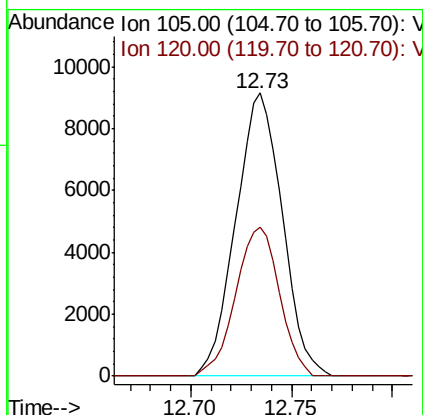
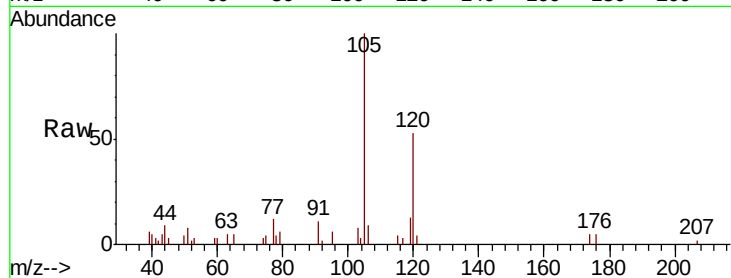




#80
 1,3,5-Trimethylbenzene
 Concen: 0.623 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#08

Tgt Ion: 105 Resp: 14802
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.101 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053844.D
 Acq: 18 Feb 2019 15:41

Tgt Ion: 75 Resp: 203094
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.8 104.6#
 89 0.0 35.6 53.4#

