

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052845.D
 Acq On : 12 Dec 2018 23:20
 Operator : MD\SY
 Sample : PB115564ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#09

Quant Time: Dec 13 04:15:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1117452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1742632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	587651	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.59	113	501540	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.09	98	2147219	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	704357	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

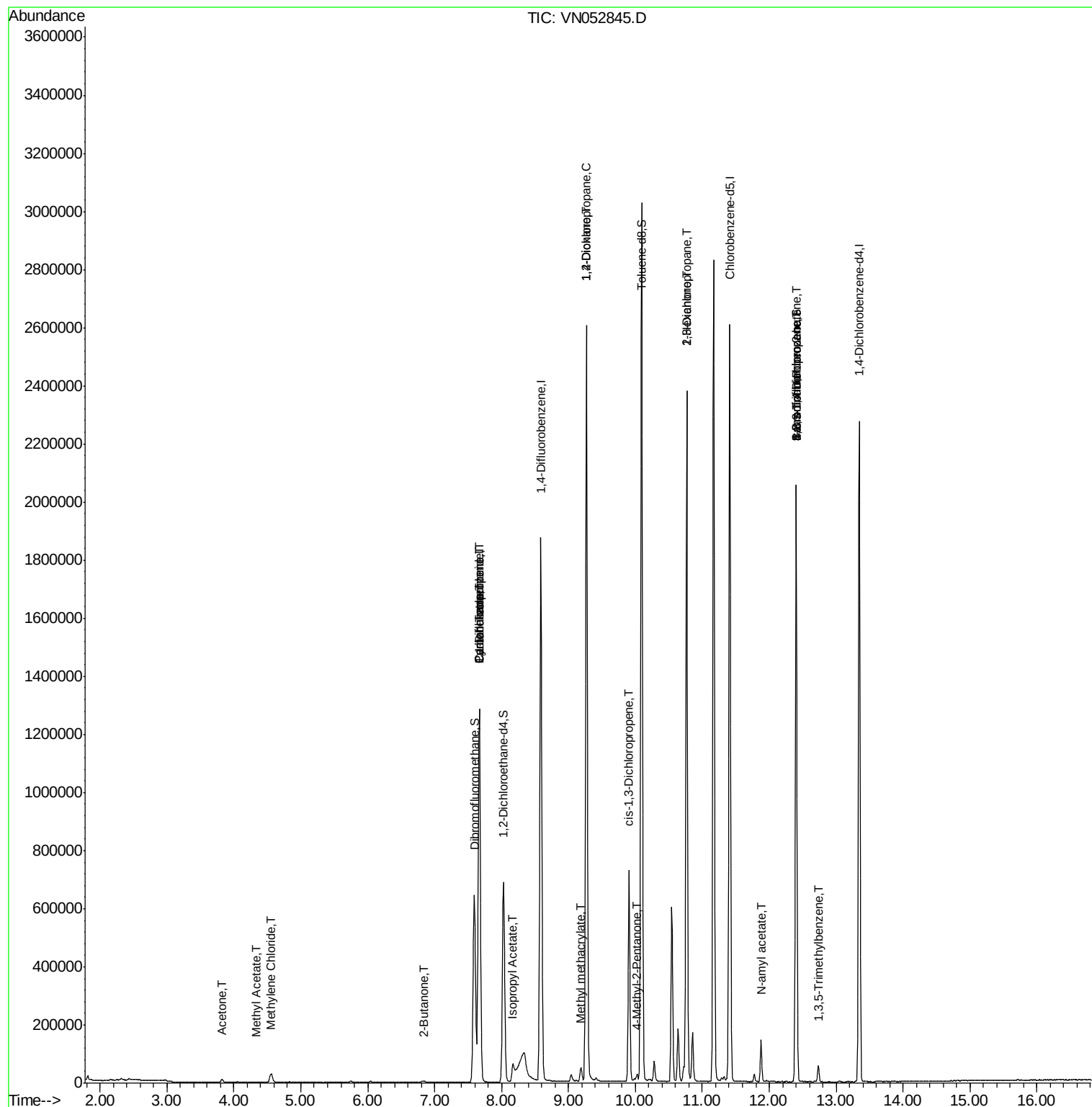
					Qvalue	
16) Acetone	3.82	43	18683	7.001	ug/l	91
18) Methyl Acetate	4.33	43	4937	0.504	ug/l #	74
20) Methylene Chloride	4.56	84	23517	1.958	ug/l	92
25) 2-Butanone	6.85	43	2494	0.602	ug/l	92
31) Cyclohexane	7.67	56	18918	0.364	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	75655	4.714	ug/l #	49
38) Carbon Tetrachloride	7.67	117	98515	6.670	ug/l #	16
43) Isopropyl Acetate	8.17	43	80239	4.060	ug/l #	74
45) 1,2-Dichloropropane	9.27	63	3549	0.281	ug/l #	44
48) Methyl methacrylate	9.18	41	16326	1.884	ug/l #	12
49) 1,4-Dioxane	9.27	88	205	2.084	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	20486	2.260	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	135405	7.443	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	24853	1.392	ug/l #	42
59) 2-Hexanone	10.77	43	347264	55.910	ug/l #	50
71) Bromoform	12.41	173	3863	0.501	ug/l #	1
74) N-amyl acetate	11.88	43	44681	3.387	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	333675	35.141	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	29764	0.767	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	333675	112.889	ug/l #	12

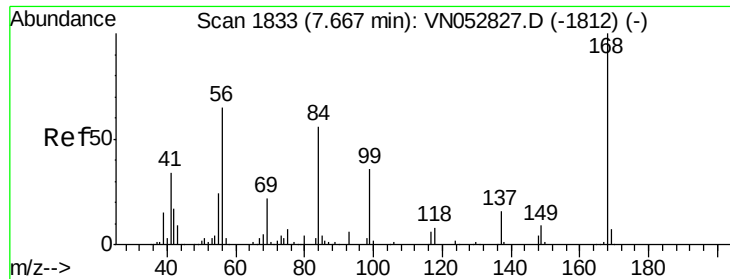
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

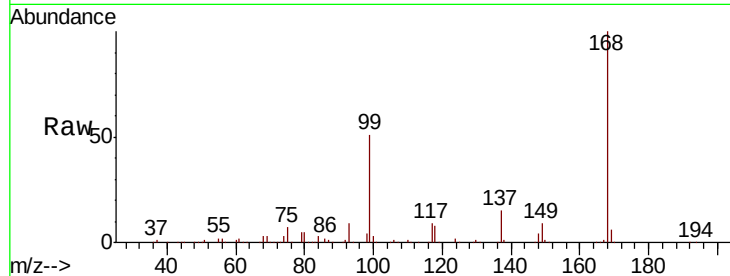
PB115564ZHE#09

Tot Ion:168 Resp: 1117452

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

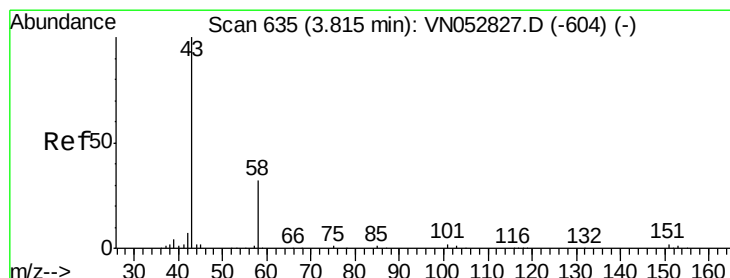
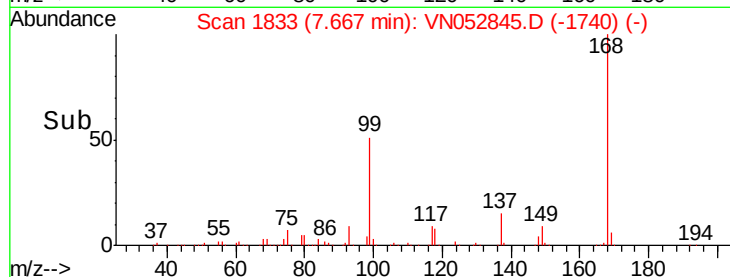
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 7.001 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052845.D

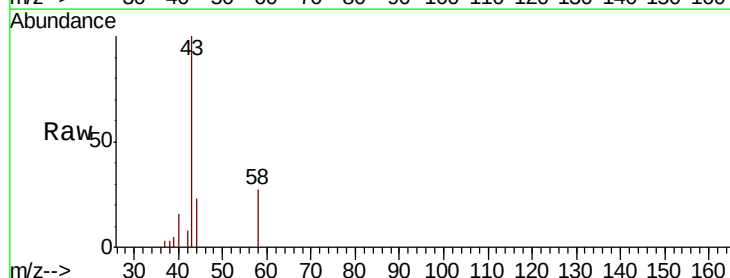
Acq: 12 Dec 2018 23:20

Tgt Ion: 43 Resp: 18683

Ion Ratio Lower Upper

43 100

58 26.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

3.82

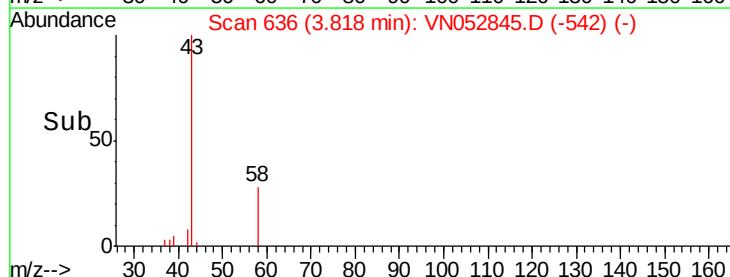
6000

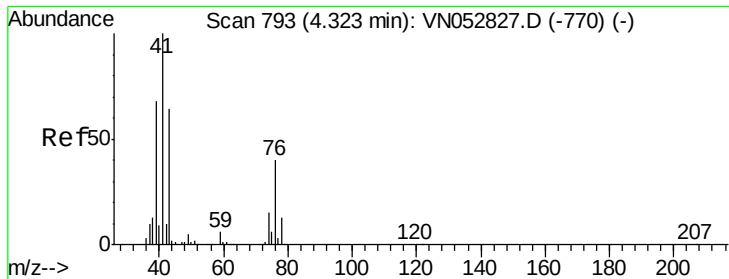
4000

2000

0

Time-->

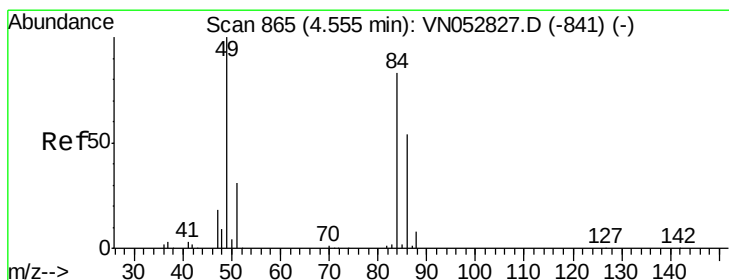
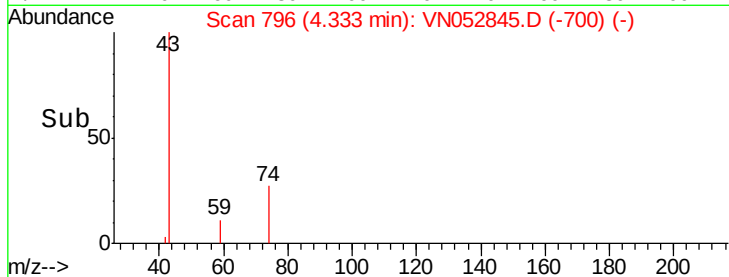
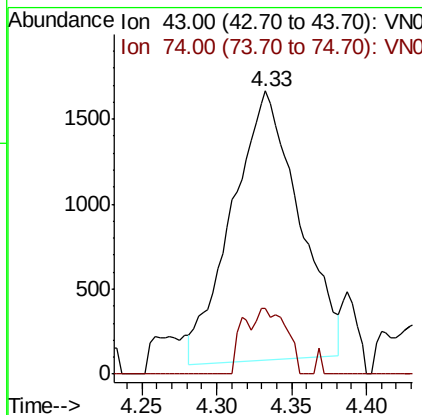
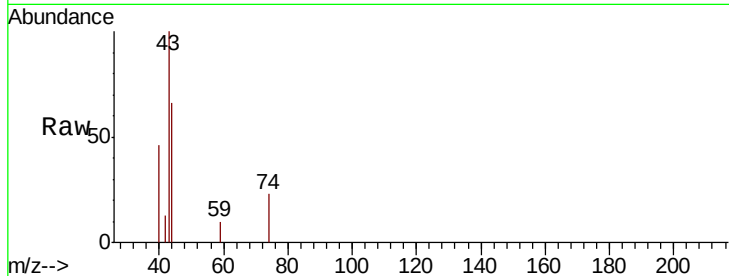




#18
Methyl Acetate
Concen: 0.504 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

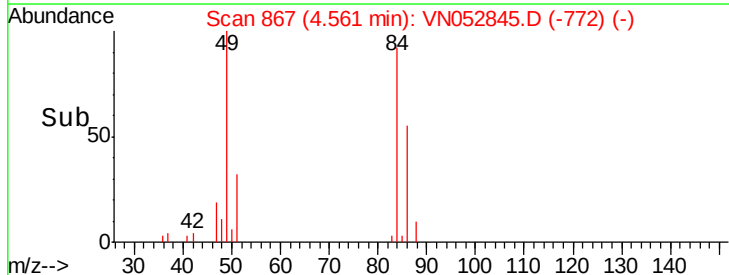
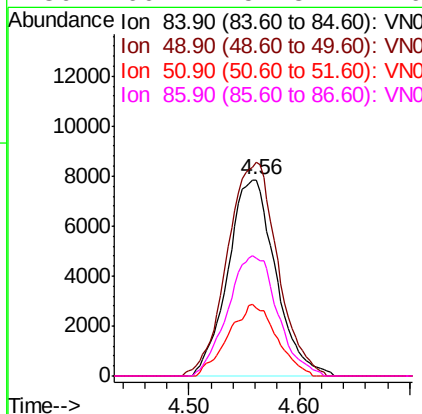
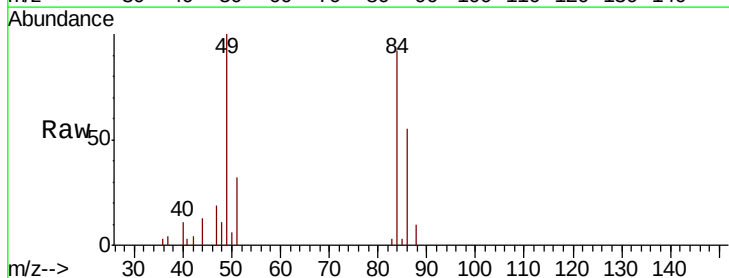
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#09

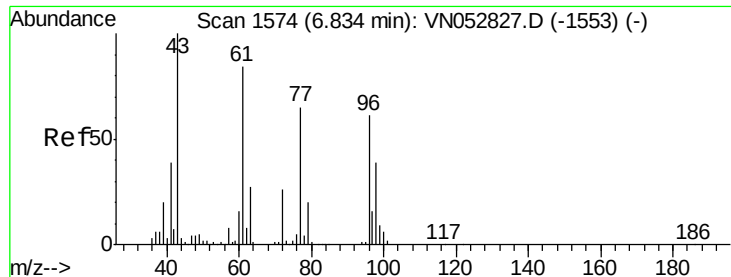
Tot Ion: 43 Resp: 4937
Ion Ratio Lower Upper
43 100
74 11.0 19.2 28.8#



#20
Methylene Chloride
Concen: 1.958 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

Tgt Ion: 84 Resp: 23517
Ion Ratio Lower Upper
84 100
49 109.0 96.8 145.2
51 34.7 29.9 44.9
86 60.2 51.8 77.6

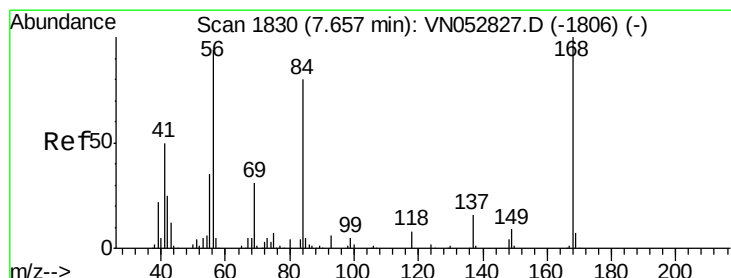
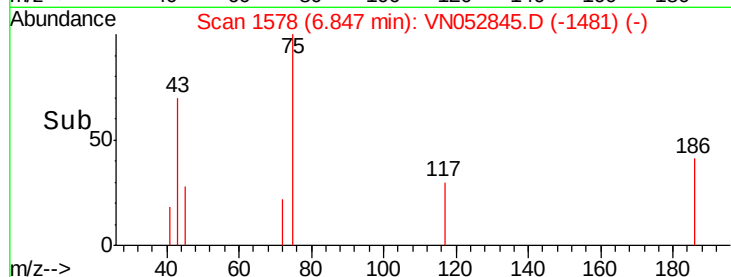
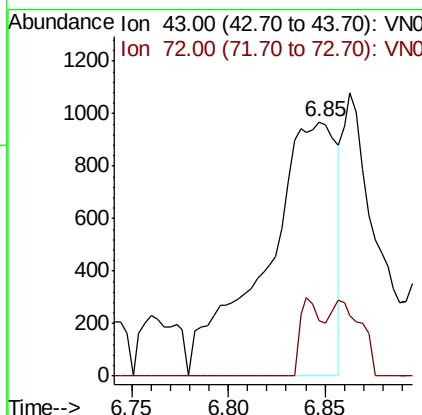
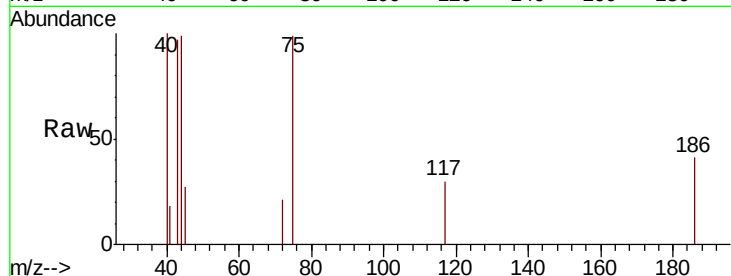




#25
2-Butanone
Concen: 0.602 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

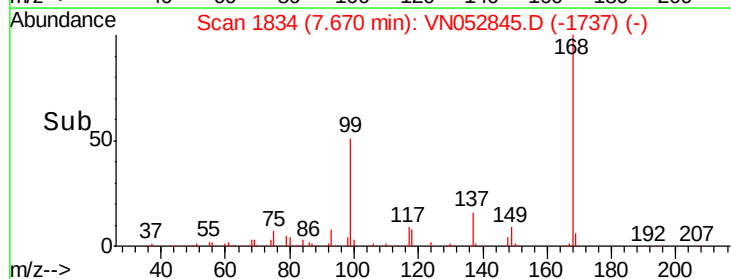
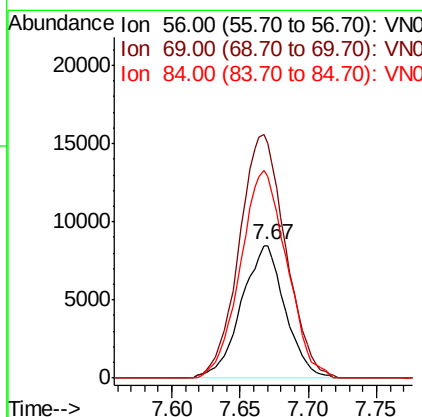
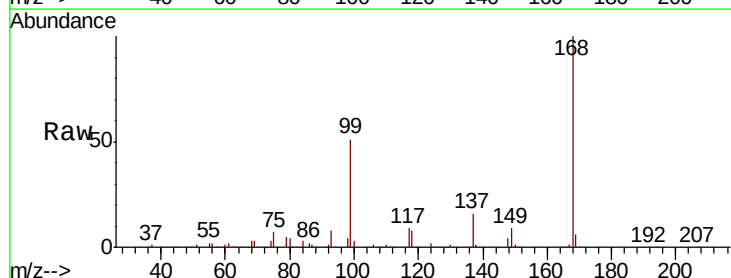
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#09

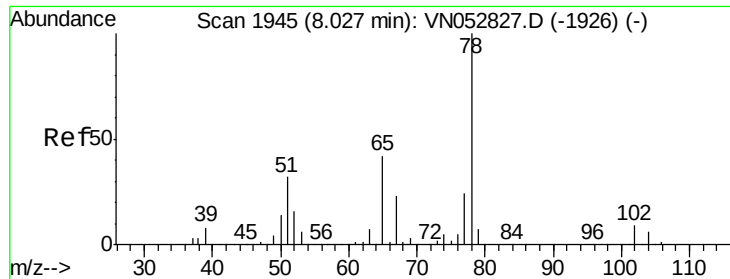
Tot Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
72 22.0 21.0 31.6



#31
Cyclohexane
Concen: 0.364 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

Tgt Ion: 56 Resp: 18918
Ion Ratio Lower Upper
56 100
69 177.3 26.6 39.8#
84 152.6 68.4 102.6#

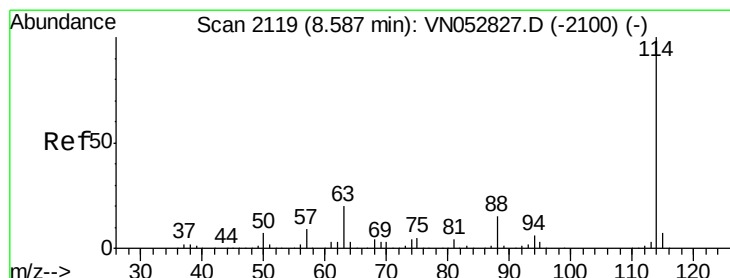
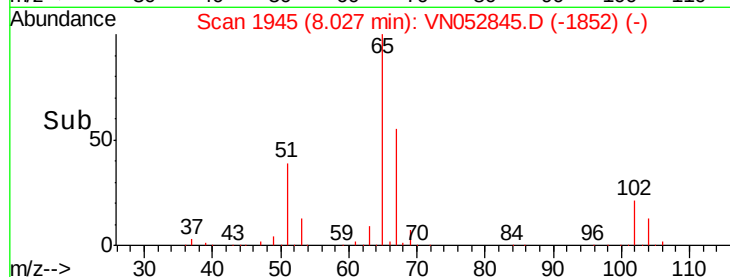
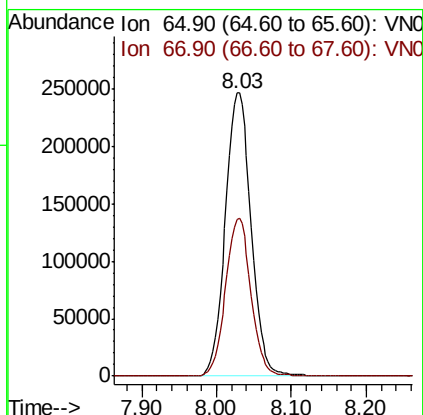
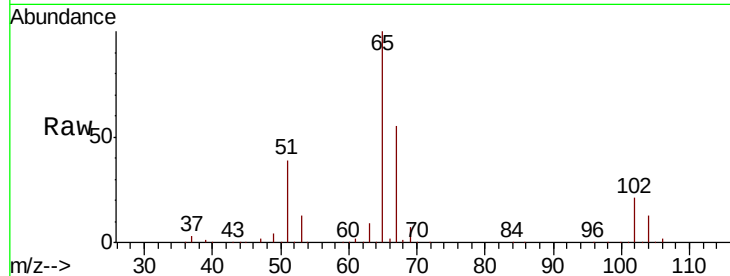




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052845.D
 Acq: 12 Dec 2018 23:20

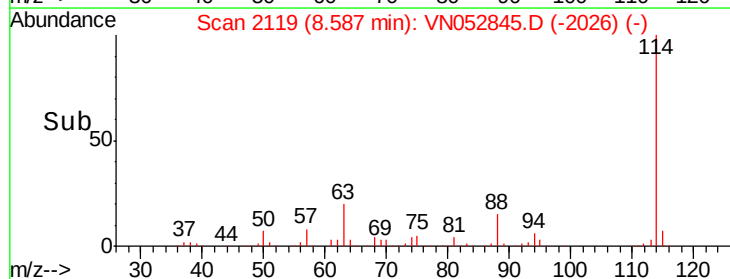
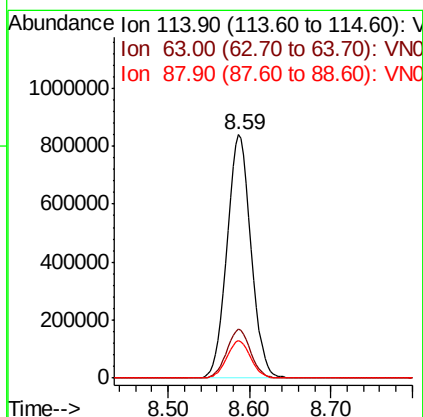
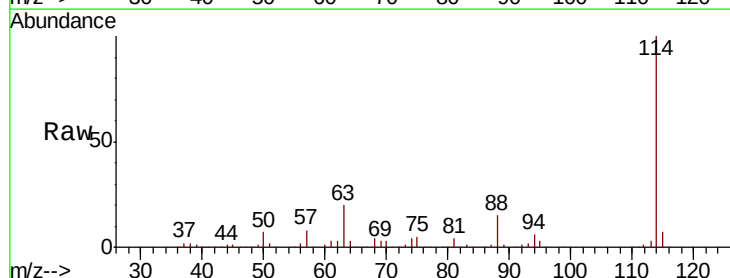
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#09

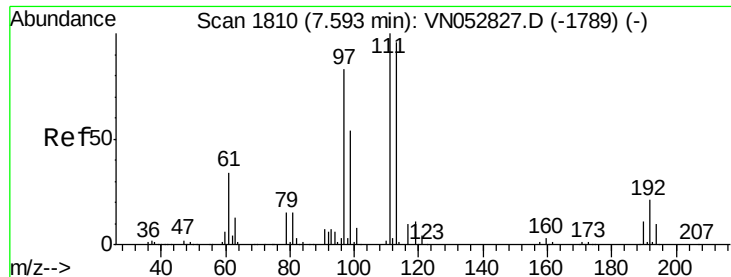
Tot Ion: 65 Resp: 587651
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052845.D
 Acq: 12 Dec 2018 23:20

Tgt Ion: 114 Resp: 1742632
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.2 0.0 31.0

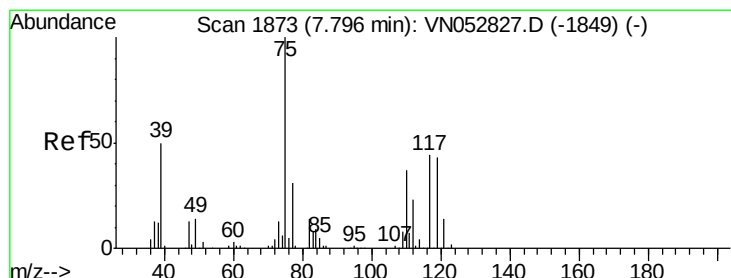
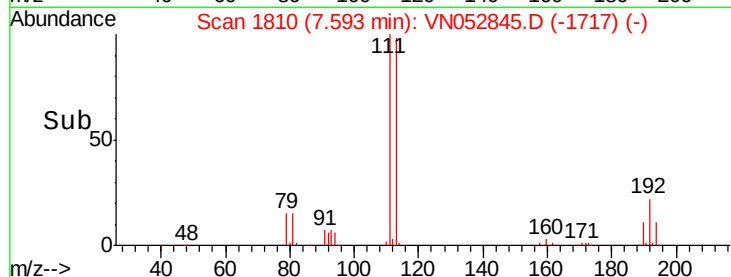
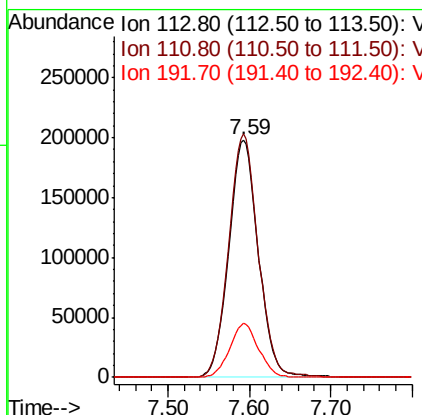
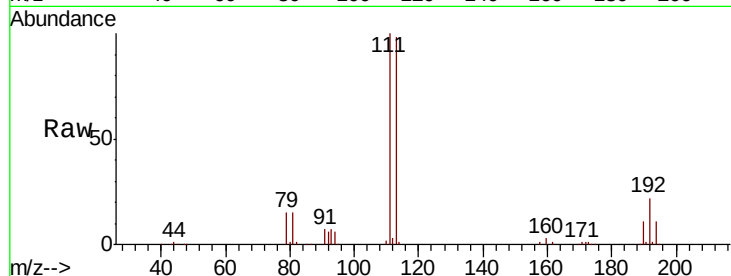




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

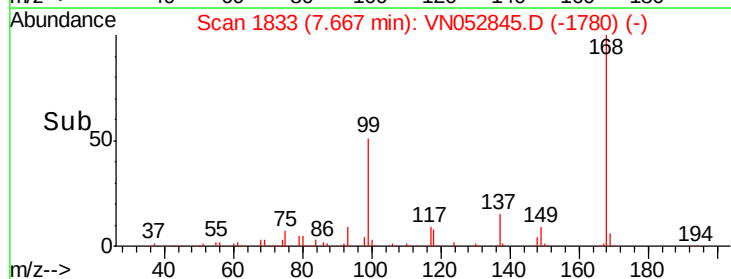
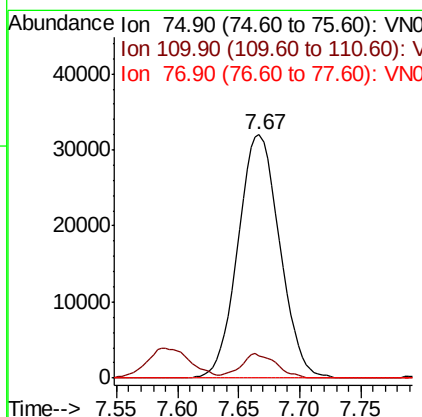
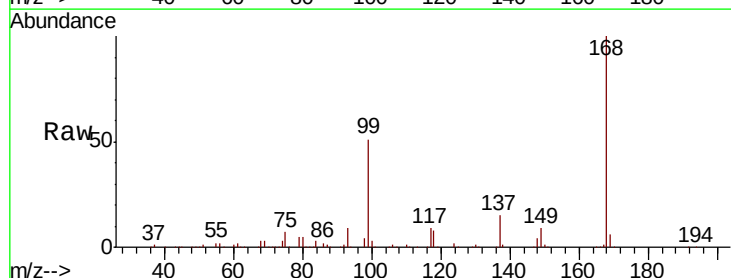
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#09

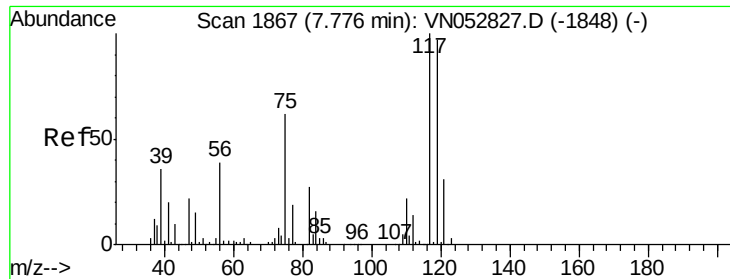
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	22.3	17.5	26.3



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.670 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#09

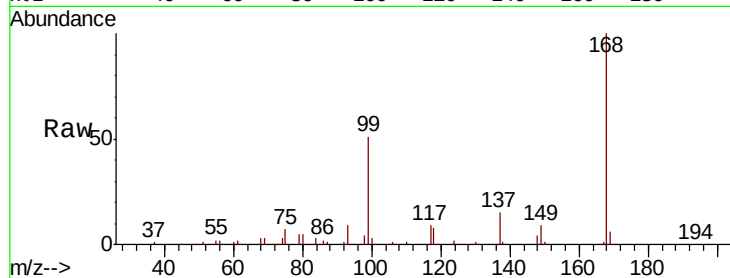
Tot Ion:117 Resp: 98515

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

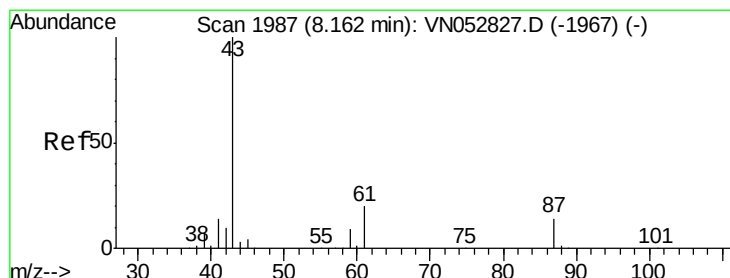
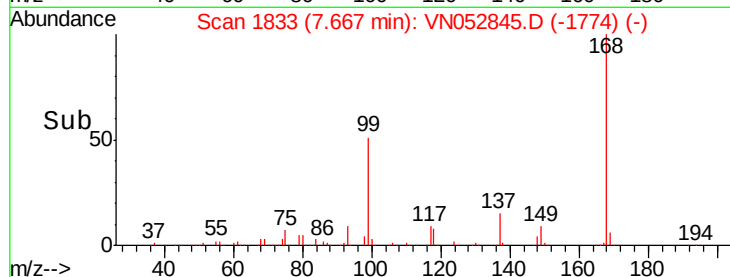
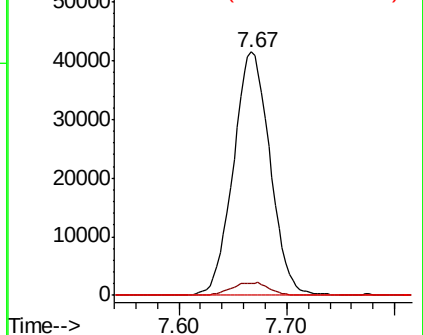
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 4.060 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

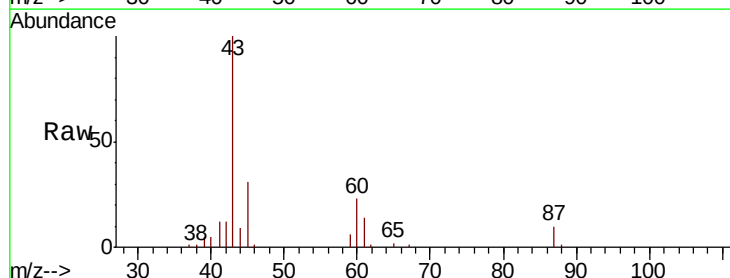
Tgt Ion: 43 Resp: 80239

Ion Ratio Lower Upper

43 100

61 12.2 22.9 34.3#

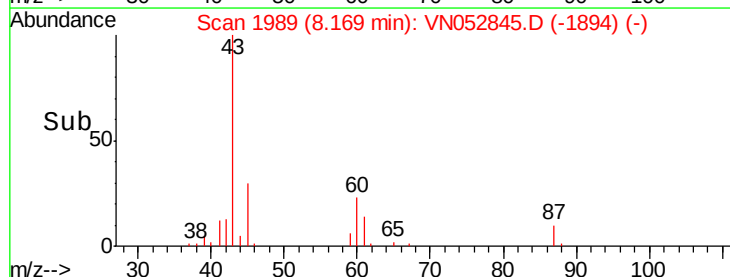
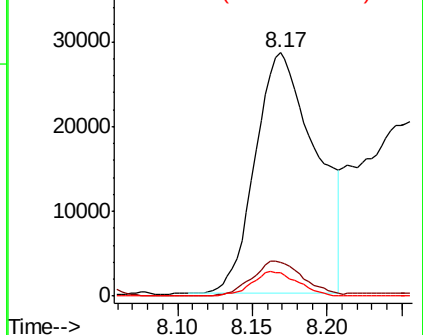
87 7.7 10.6 15.8#

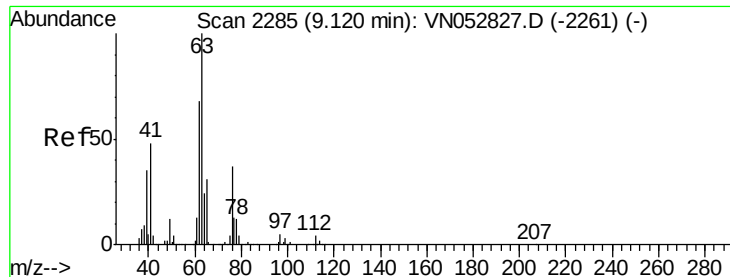


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.281 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

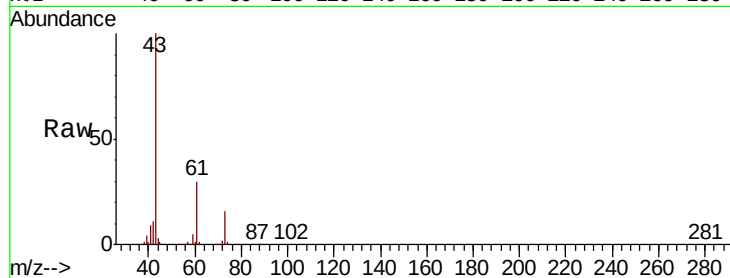
PB115564ZHE#09

Tot Ion: 63 Resp: 3549

Ion Ratio Lower Upper

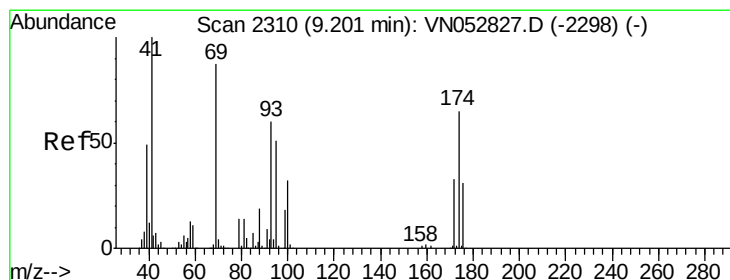
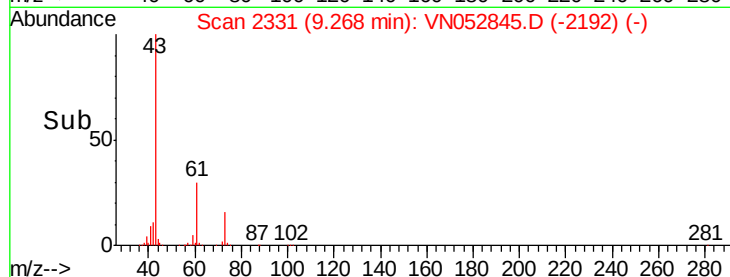
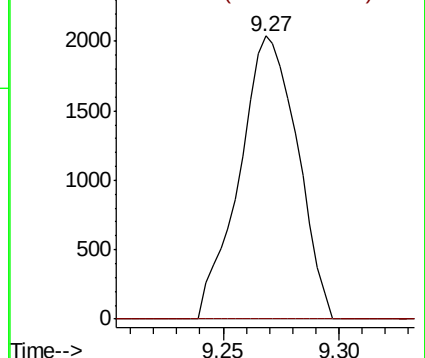
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.884 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

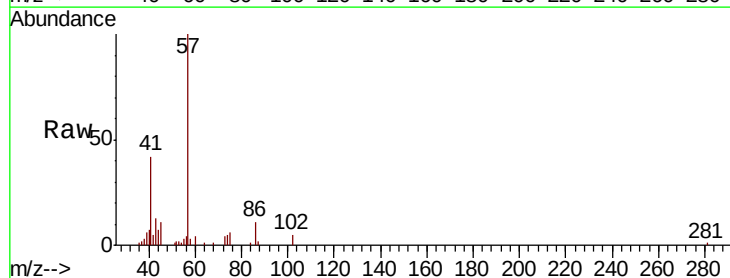
Tgt Ion: 41 Resp: 16326

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

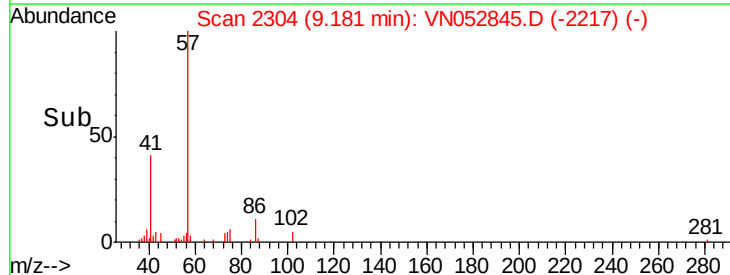
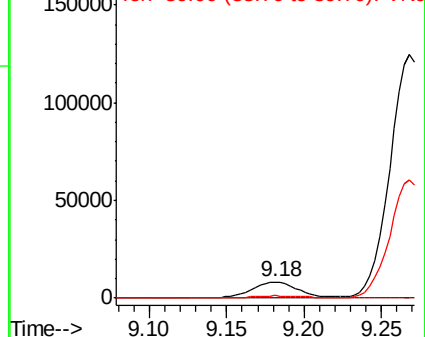
39 0.0 41.9 62.9#

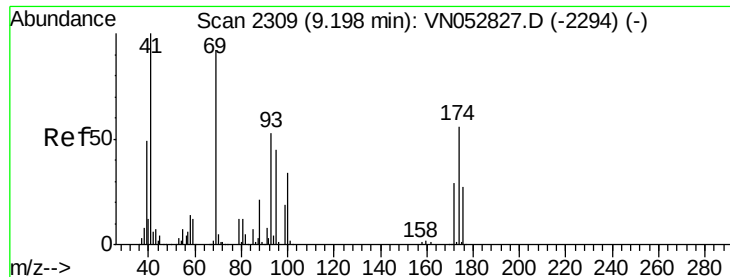


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 2.084 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#09

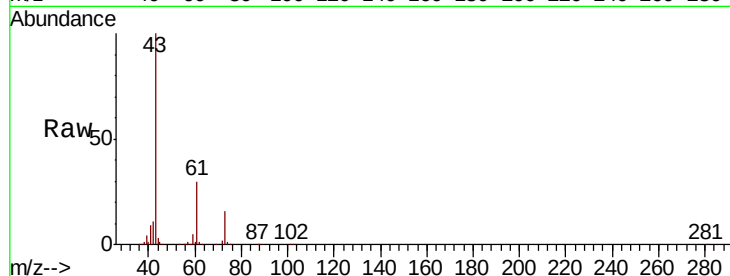
Tot Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 1243325.4 26.6 40.0#

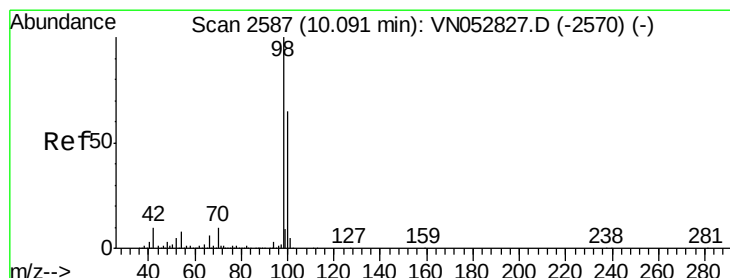
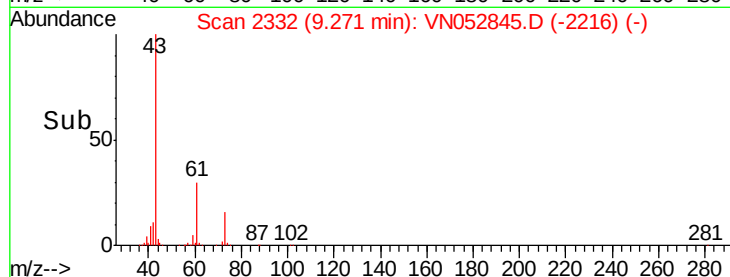
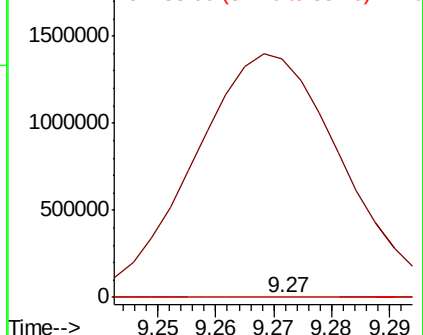
58 5490.2 58.4 87.6#



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: 2.084 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052845.D

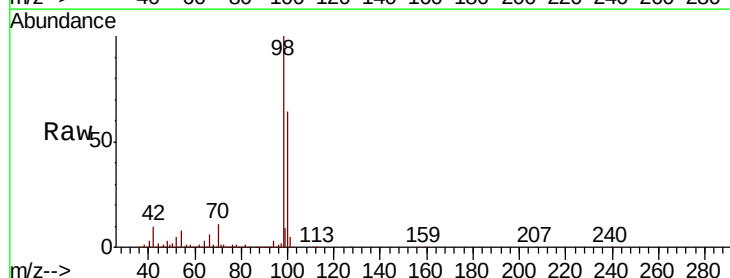
Acq: 12 Dec 2018 23:20

Tgt Ion: 98 Resp: 2147219

Ion Ratio Lower Upper

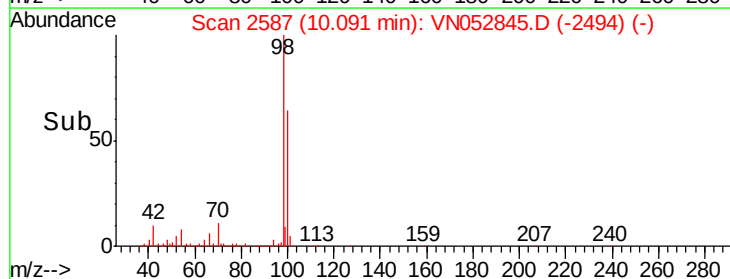
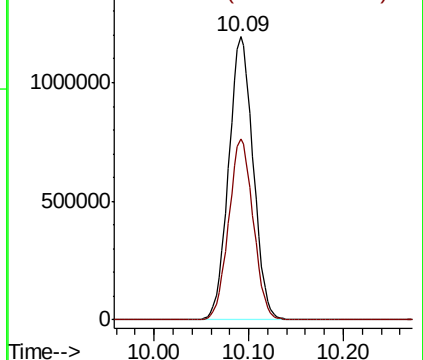
98 100

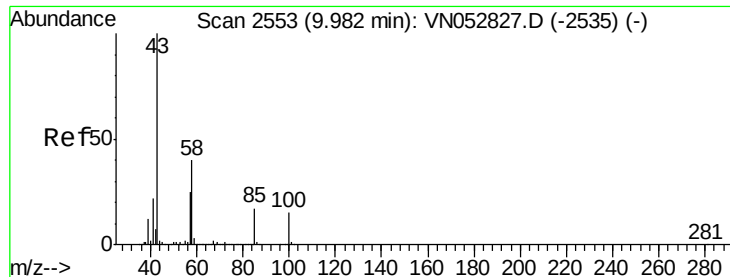
100 64.0 51.6 77.4



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: 2.260 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

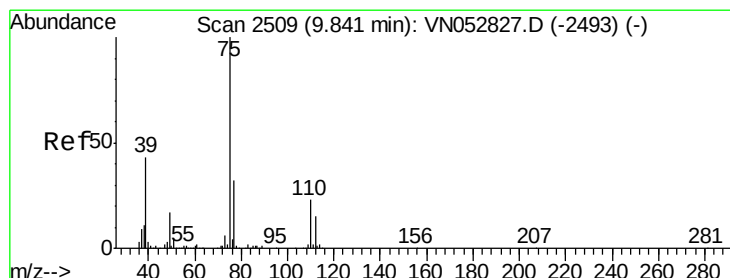
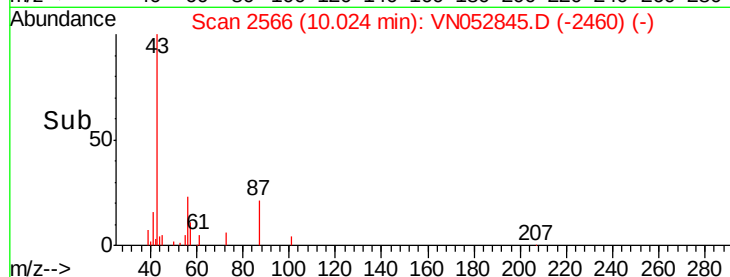
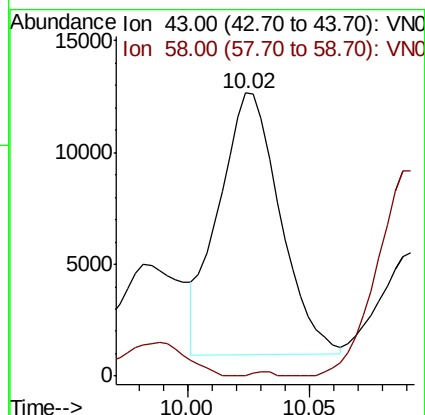
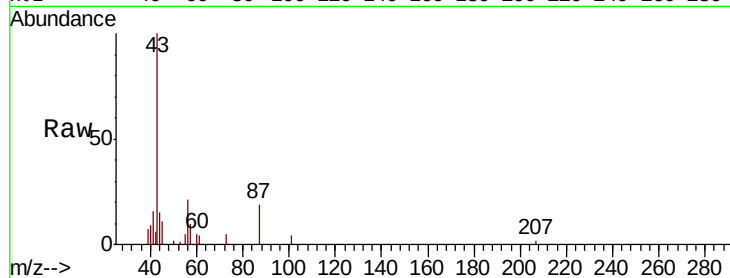
PB115564ZHE#09

Tot Ion: 43 Resp: 20486

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 7.443 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

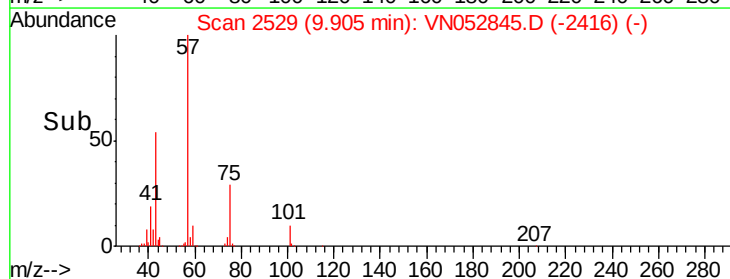
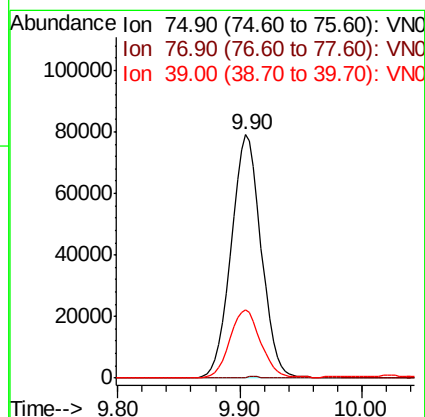
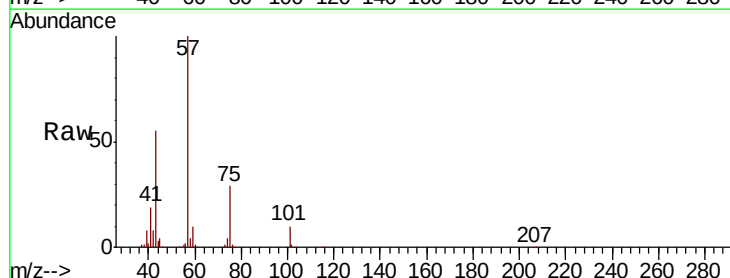
Tgt Ion: 75 Resp: 135405

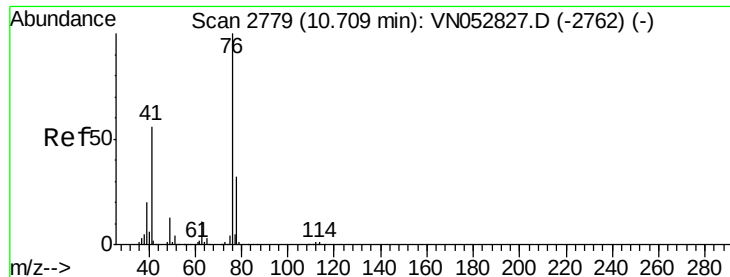
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 27.6 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.392 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

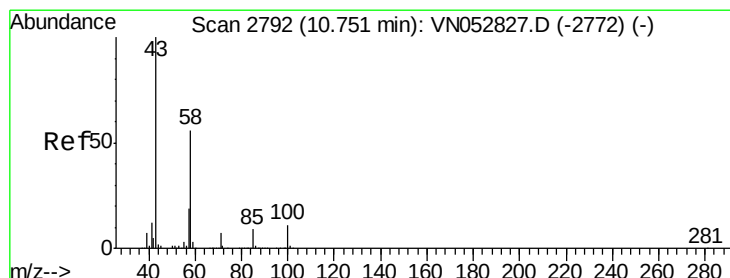
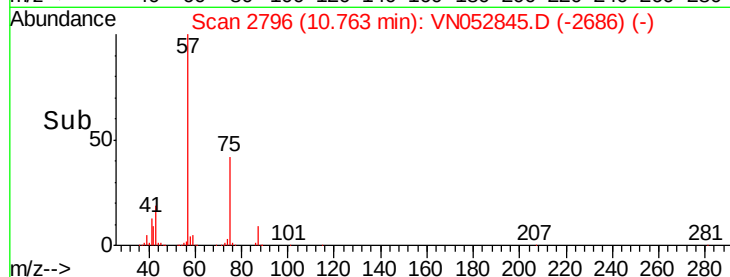
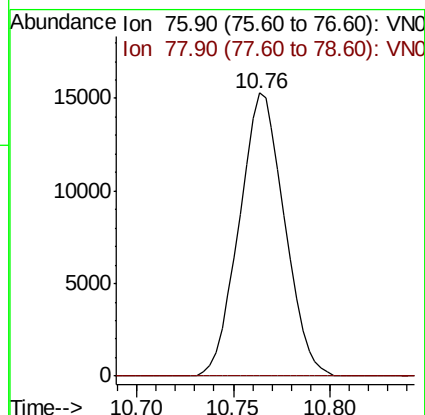
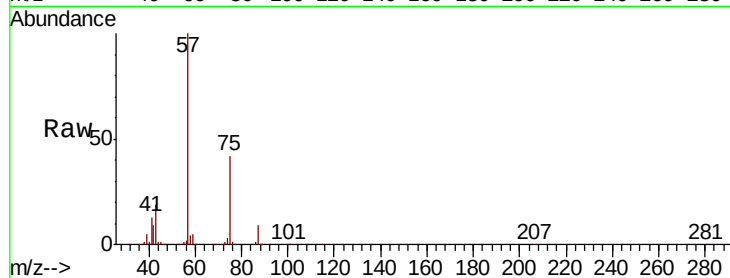
PB115564ZHE#09

Tot Ion: 76 Resp: 24853

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 55.910 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052845.D

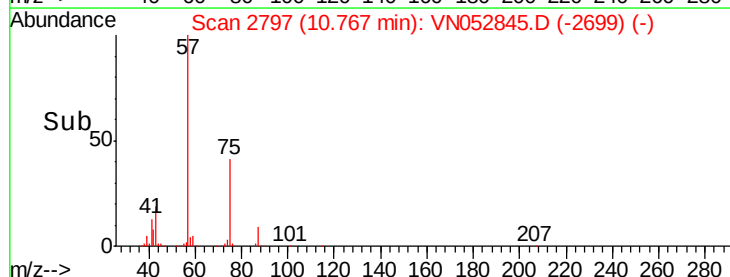
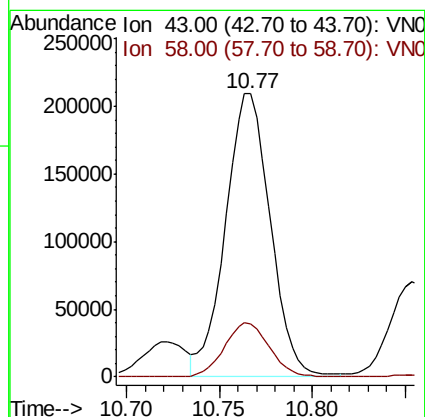
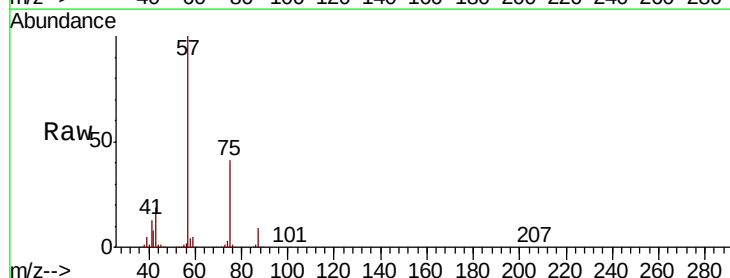
Acq: 12 Dec 2018 23:20

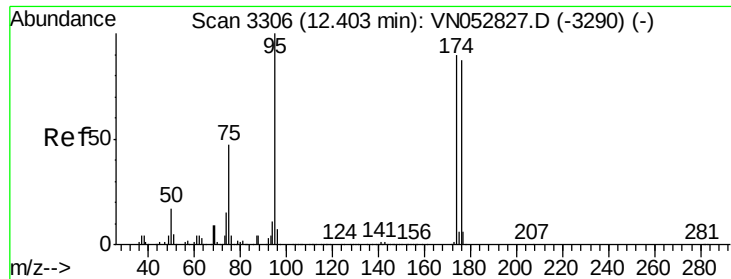
Tgt Ion: 43 Resp: 347264

Ion Ratio Lower Upper

43 100

58 19.5 28.1 84.3#

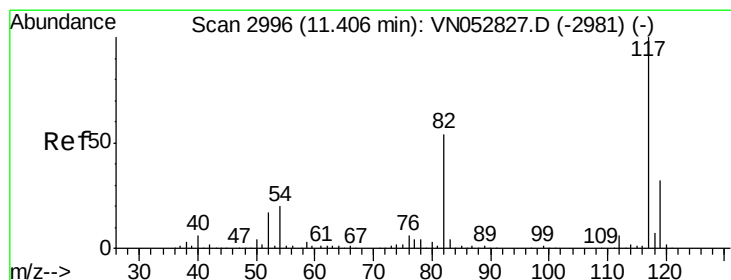
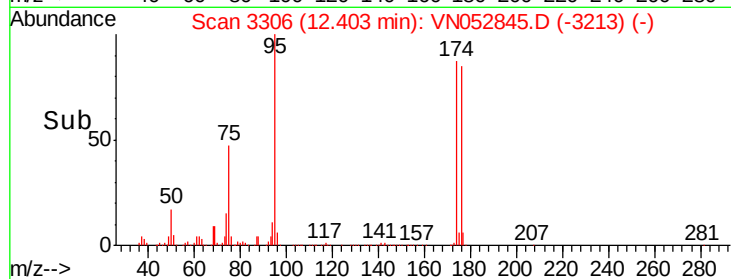
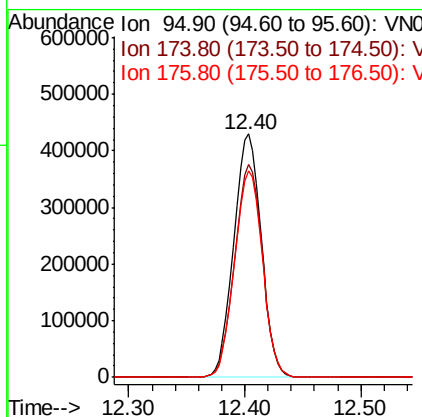
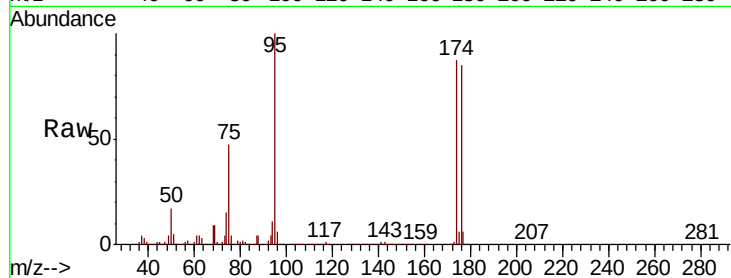




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

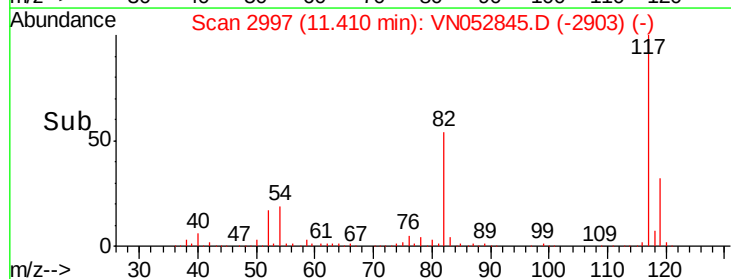
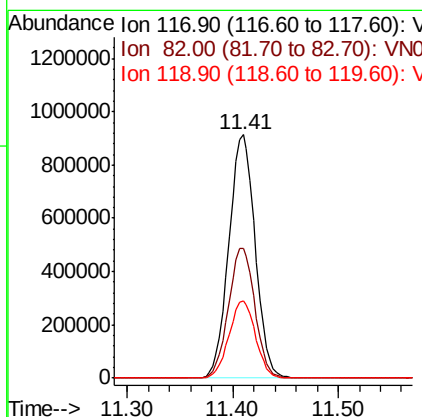
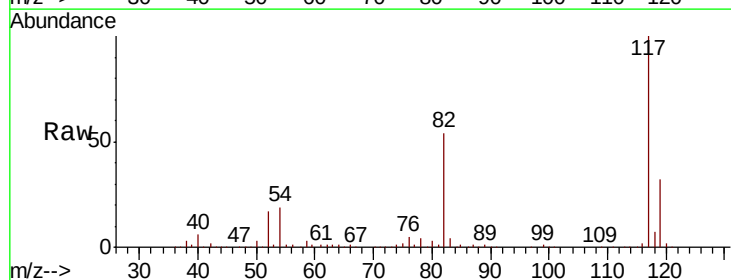
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#09

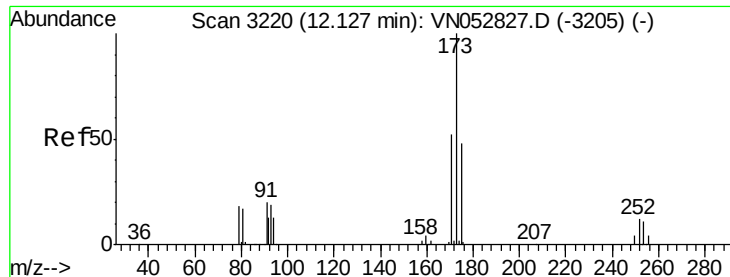
Tot Ion: 95 Resp: 704357
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.8
176 86.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

Tgt Ion: 117 Resp: 1572430
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.7 25.5 38.3





#71

Bromoform

Concen: 0.501 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#09

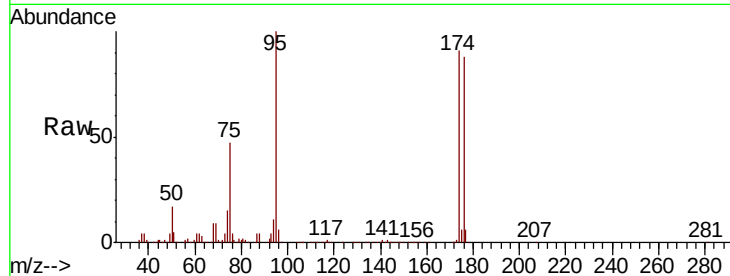
Tot Ion:173 Resp: 3863

Ion Ratio Lower Upper

173 100

175 998.0 24.3 72.9#

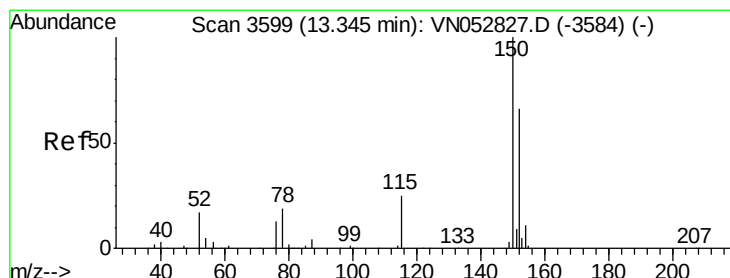
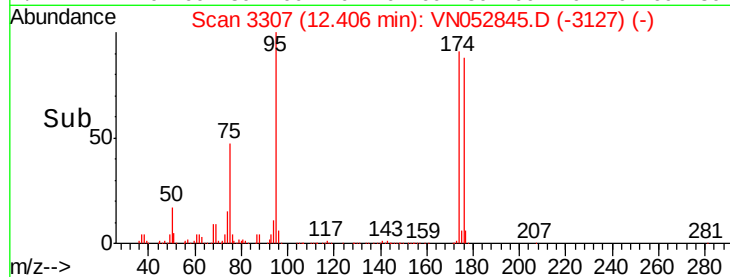
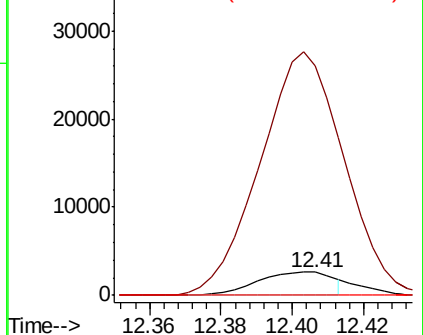
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

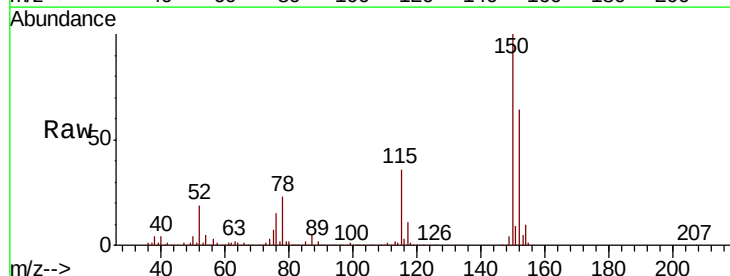
Tgt Ion:152 Resp: 643589

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

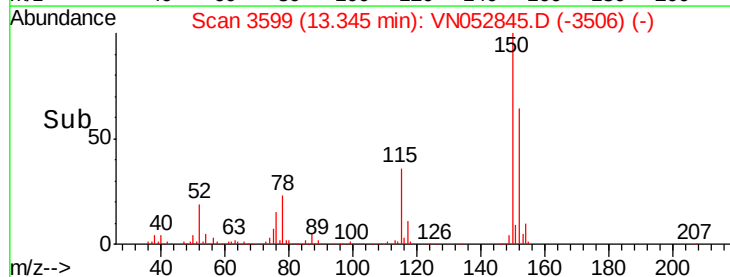
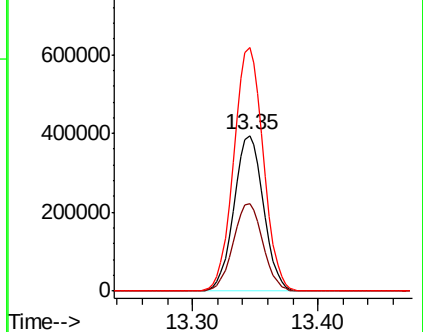
150 157.0 0.0 347.8

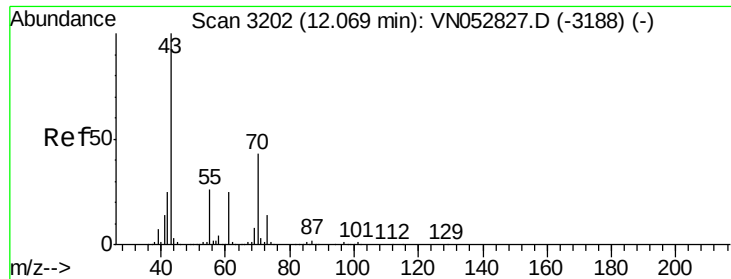


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

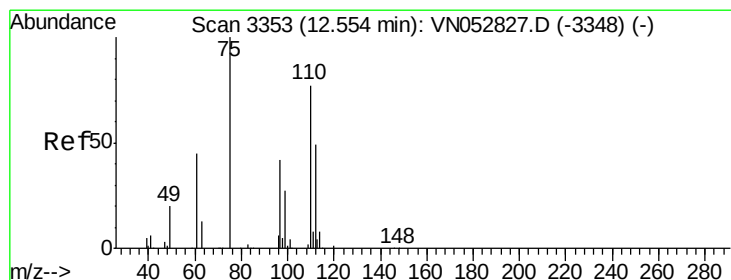
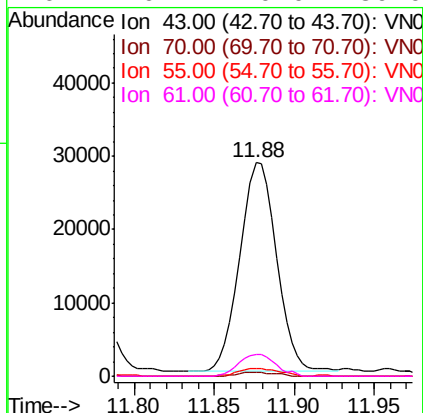
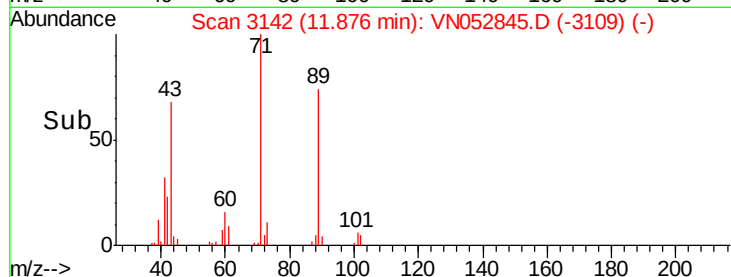
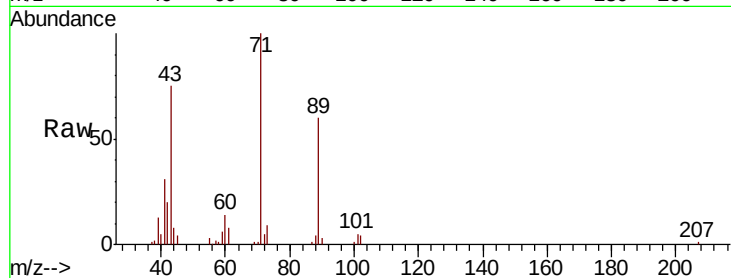




#74
N-amvl acetate
Concen: 3.387 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

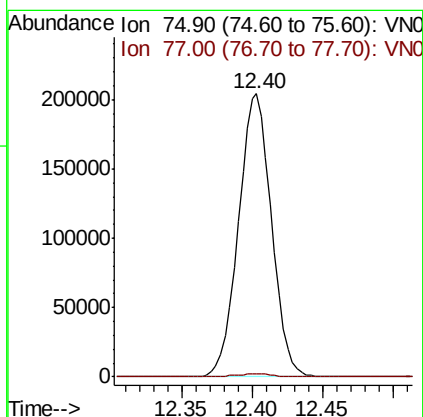
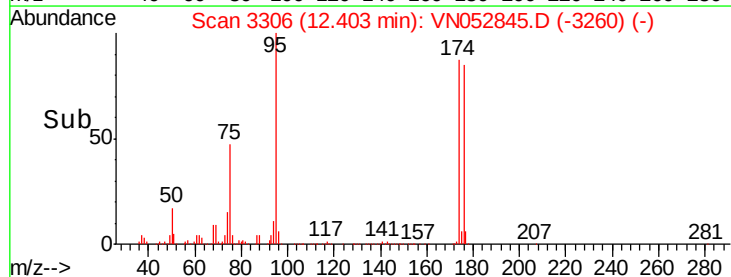
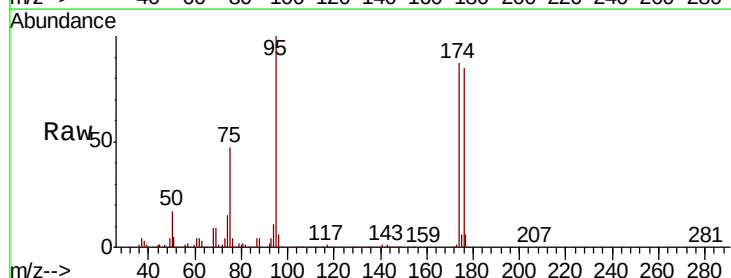
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#09

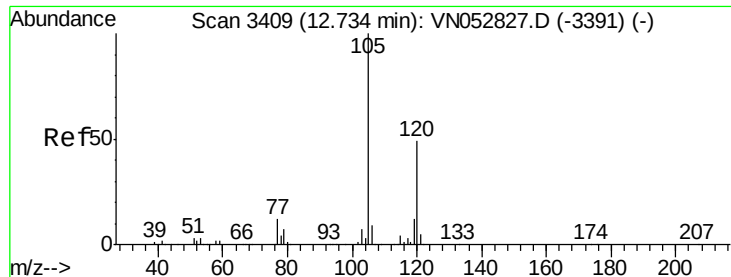
Tot Ion: 43 Resp: 44681
Ion Ratio Lower Upper
43 100
70 1.9 34.2 51.4#
55 4.3 20.3 30.5#
61 10.7 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 35.141 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052845.D
Acq: 12 Dec 2018 23:20

Tgt Ion: 75 Resp: 333675
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.767 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

Instrument :

MSVOA_N

ClientSampleId :

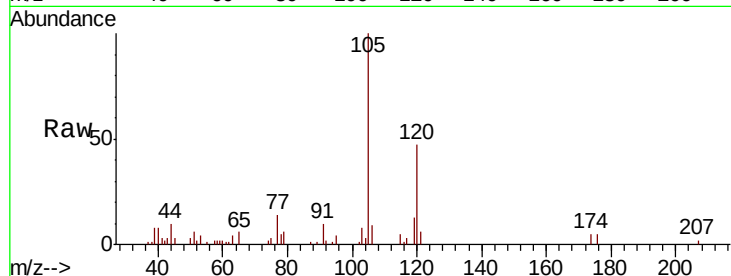
PB115564ZHE#09

Tot Ion:105 Resp: 29764

Ion Ratio Lower Upper

105 100

120 45.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

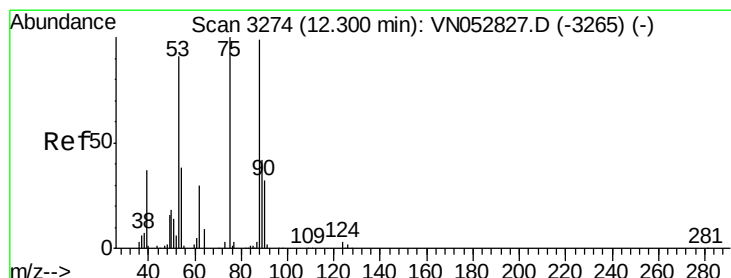
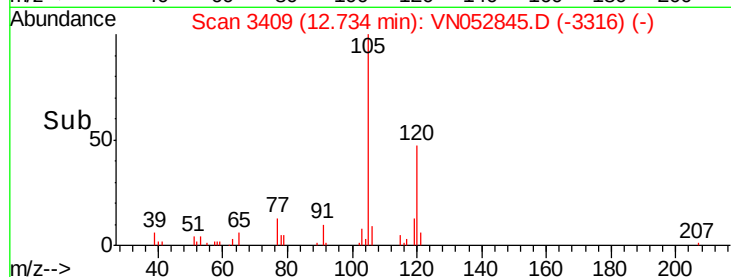
10000

5000

0

12.70 12.73 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.889 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052845.D

Acq: 12 Dec 2018 23:20

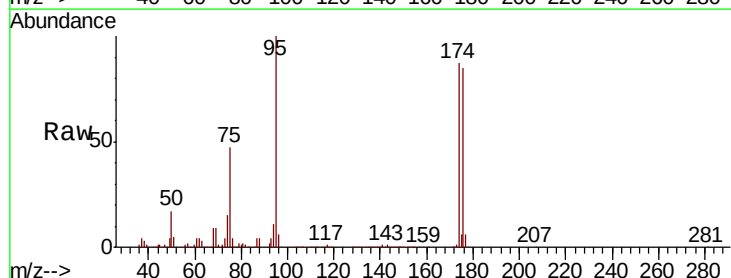
Tgt Ion: 75 Resp: 333675

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

250000

200000

150000

100000

50000

0

12.35 12.40 12.45

Time-->

