

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052808.D
 Acq On : 11 Dec 2018 17:56
 Operator : MD\SY
 Sample : PB115504ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#13

Quant Time: Dec 12 00:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1155075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1810667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1665411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	706849	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	614703	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.59	113	515114	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	10.09	98	2234304	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	753167	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	

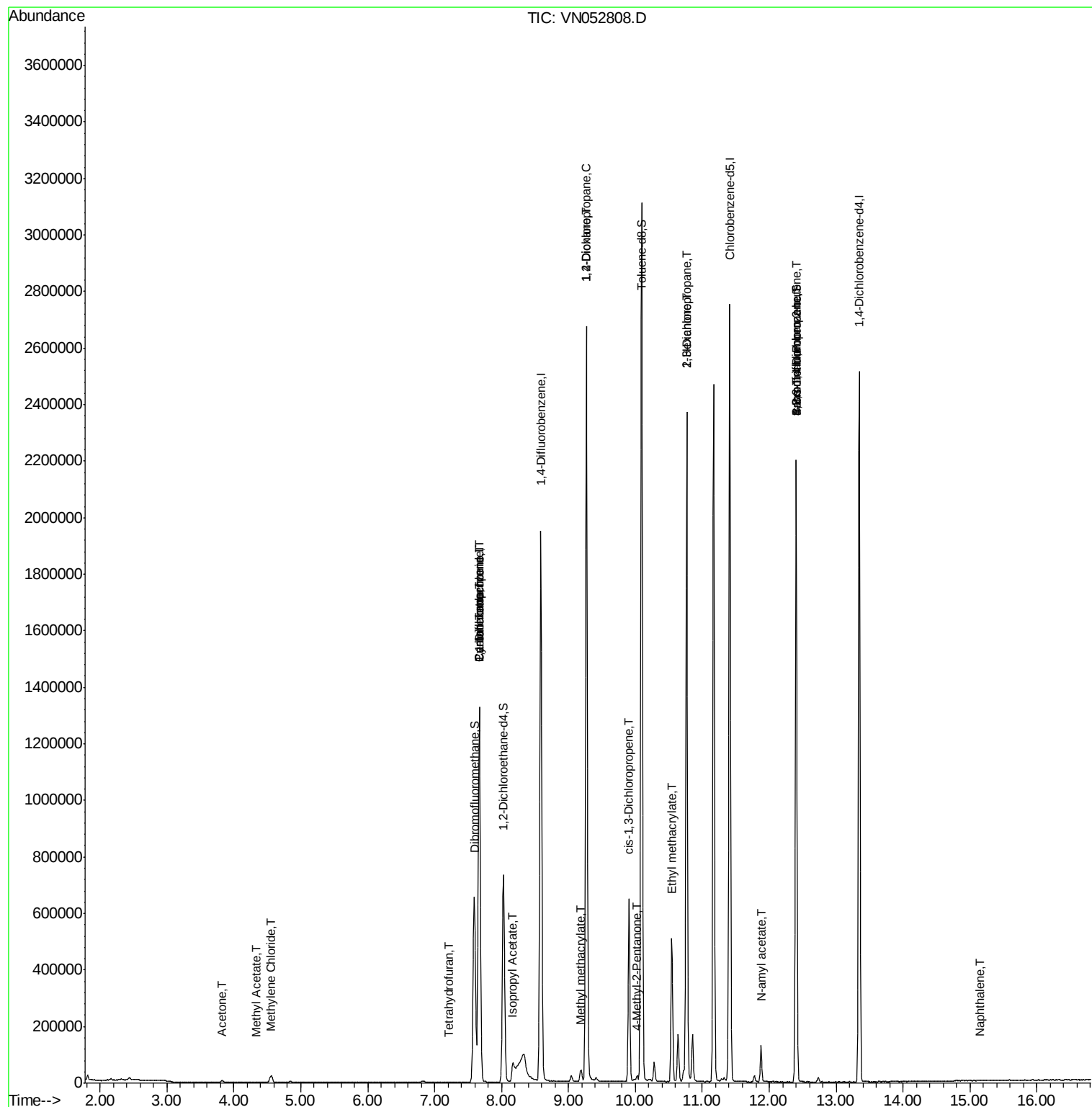
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	11462	3.455	ug/l	93
18) Methyl Acetate	4.33	43	3047	0.320	ug/l #	85
20) Methylene Chloride	4.55	84	17930	1.381	ug/l	92
29) Tetrahydrofuran	7.22	42	1106	0.365	ug/l #	79
31) Cyclohexane	7.67	56	19903	0.558	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79261	4.636	ug/l #	49
38) Carbon Tetrachloride	7.67	117	102562	6.626	ug/l #	16
43) Isopropyl Acetate	8.17	43	98551	5.581	ug/l #	69
45) 1,2-Dichloropropane	9.27	63	2898	0.214	ug/l #	43
48) Methyl methacrylate	9.18	41	14850	1.613	ug/l #	13
49) 1,4-Dioxane	9.27	88	151	1.580	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16345	1.650	ug/l #	36
54) cis-1,3-Dichloropropene	9.91	75	120028	6.385	ug/l #	61
56) Ethyl methacrylate	10.54	69	1663	2.800	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	24268	1.291	ug/l #	43
59) 2-Hexanone	10.77	43	340532	51.209	ug/l #	51
71) Bromoform	12.40	173	4270	0.540	ug/l #	1
74) N-amyl acetate	11.88	43	41244	2.944	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	359821	33.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	359821	110.241	ug/l #	11
95) Naphthalene	15.14	128	320	3.440	ug/l #	69

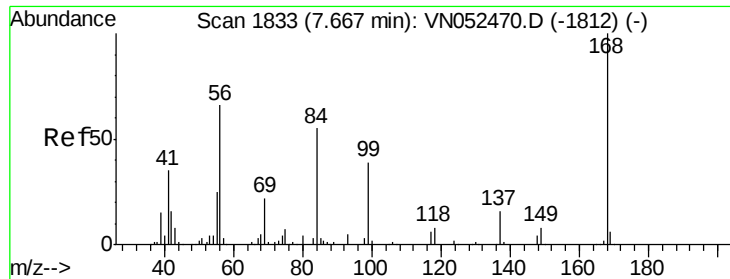
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 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: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

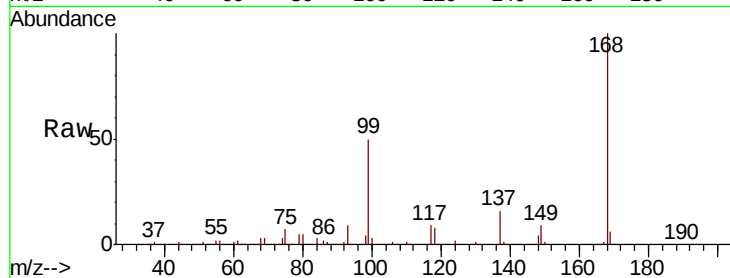
PB115504ZHE#13

Tot Ion:168 Resp: 1155075

Ion Ratio Lower Upper

168 100

99 50.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

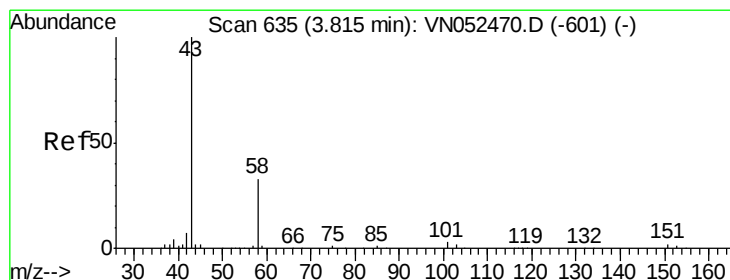
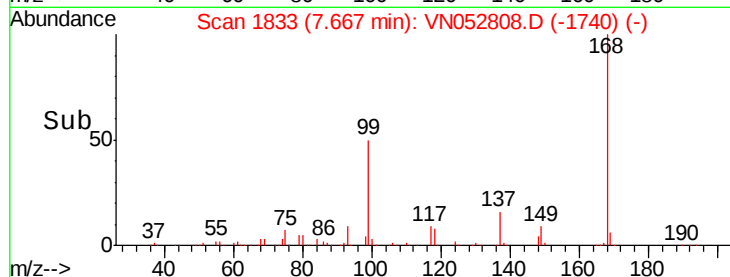
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.455 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052808.D

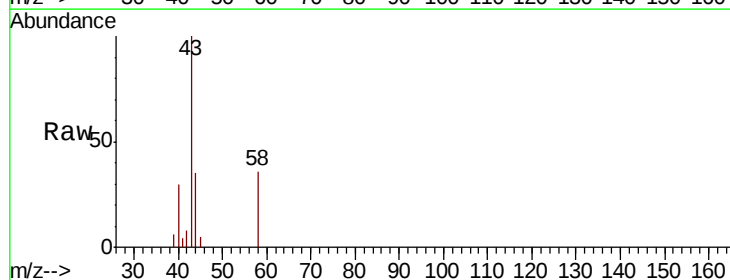
Acq: 11 Dec 2018 17:56

Tgt Ion: 43 Resp: 11462

Ion Ratio Lower Upper

43 100

58 36.2 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

5000

4000

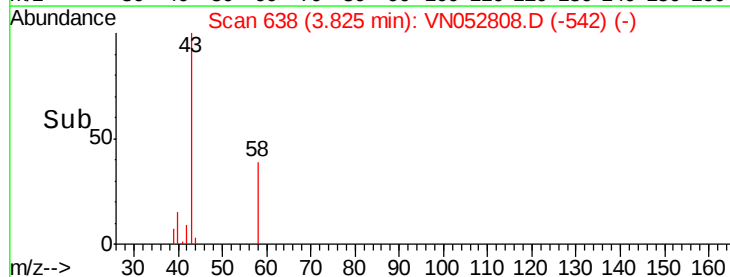
3000

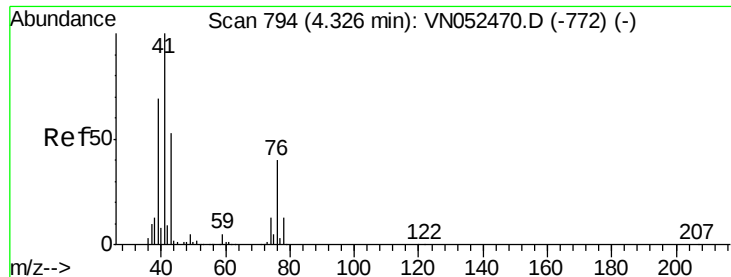
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1000

0

Time-->

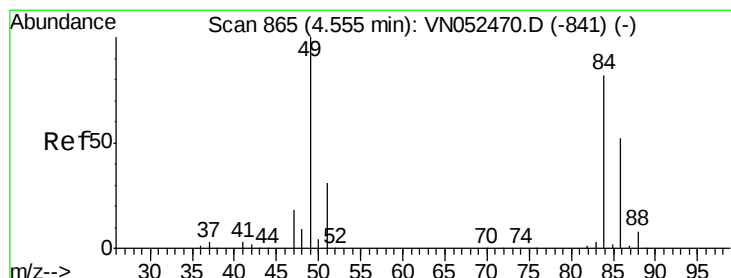
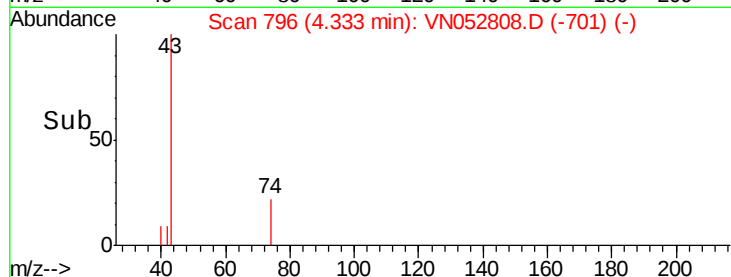
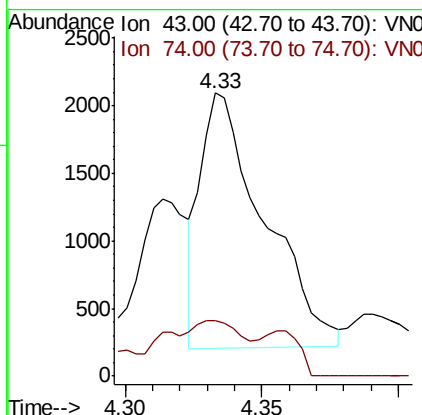
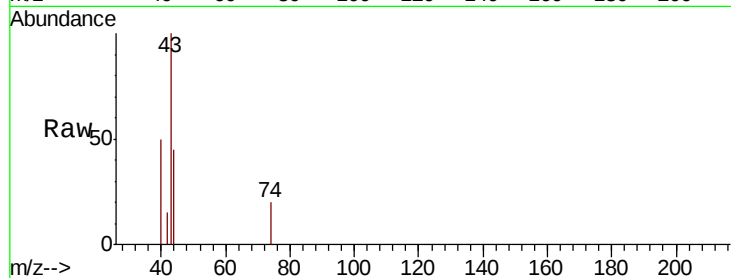




#18
Methvl Acetate
Concen: 0.320 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

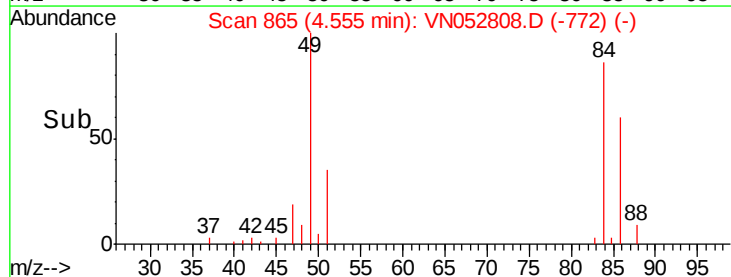
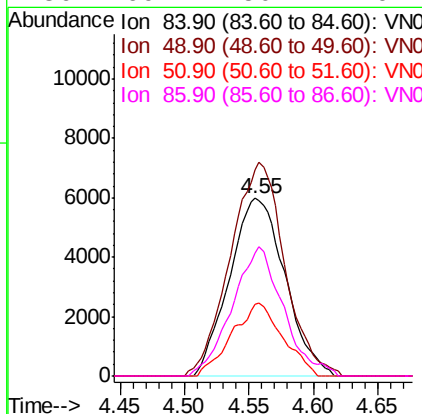
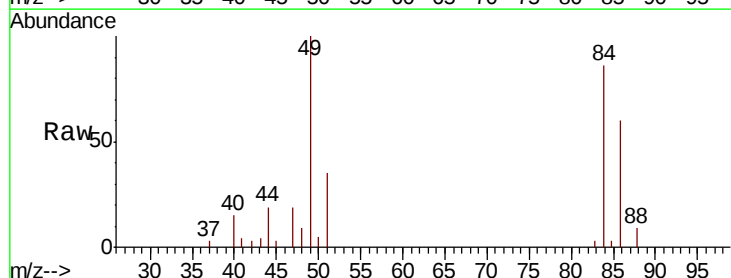
Instrument :
MSVOA_N
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PB115504ZHE#13

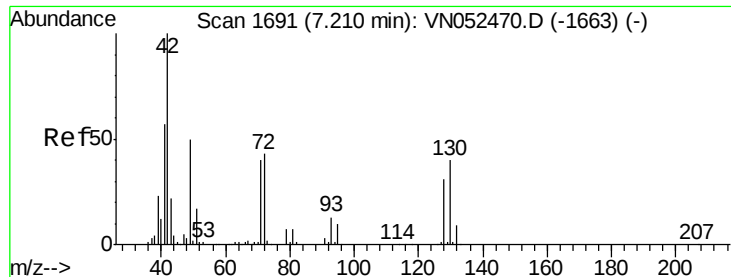
Tot Ion: 43 Resp: 3047
Ion Ratio Lower Upper
43 100
74 15.9 18.6 27.8#



#20
Methylene Chloride
Concen: 1.381 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Tgt Ion: 84 Resp: 17930
Ion Ratio Lower Upper
84 100
49 112.9 98.0 147.0
51 40.6 30.1 45.1
86 69.2 50.7 76.1

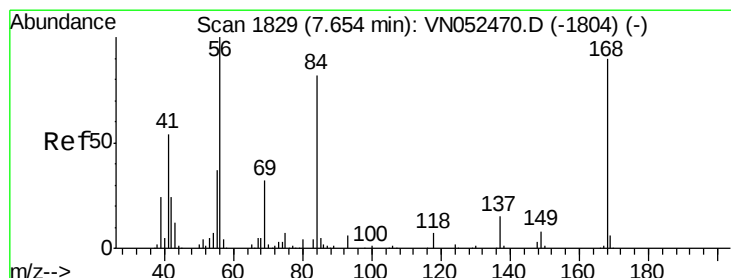
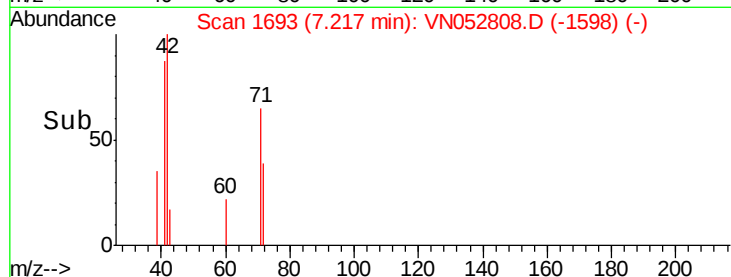
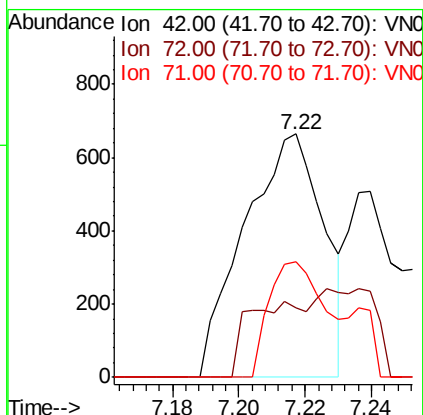
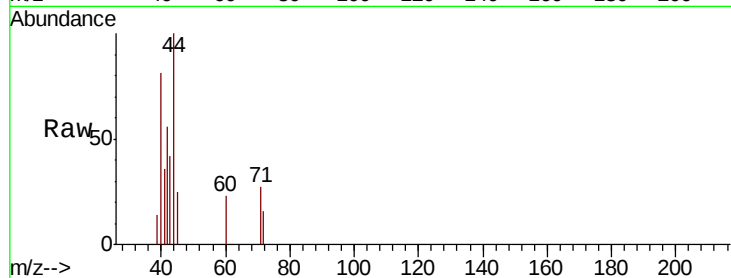




#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

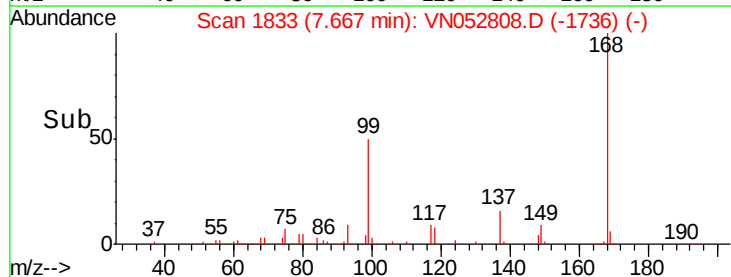
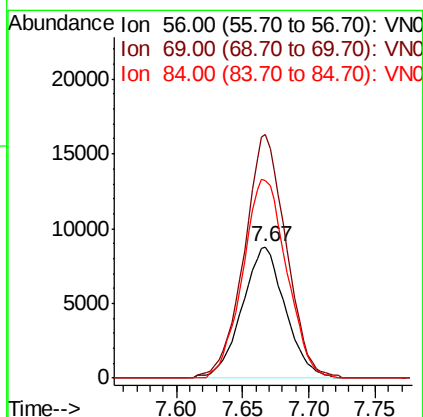
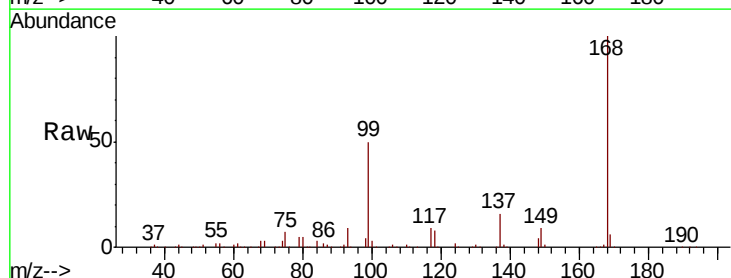
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#13

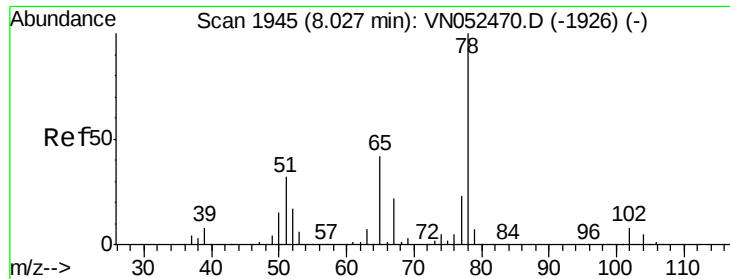
Tot Ion: 42 Resp: 1106
Ion Ratio Lower Upper
42 100
72 22.6 33.3 49.9#
71 33.1 32.0 48.0



#31
Cyclohexane
Concen: 0.558 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Tgt Ion: 56 Resp: 19903
Ion Ratio Lower Upper
56 100
69 185.5 25.8 38.6#
84 150.8 65.3 97.9#

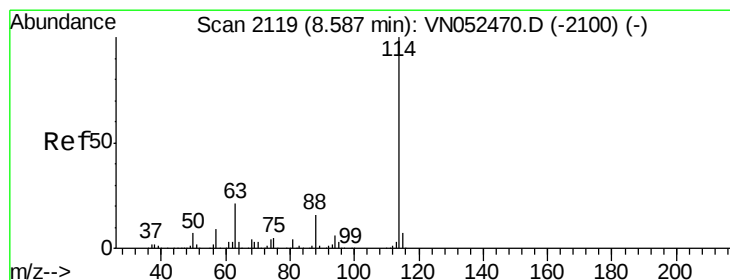
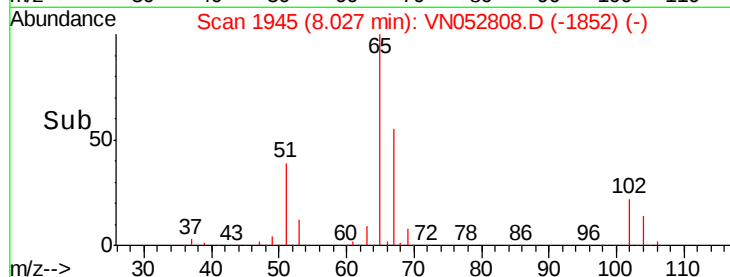
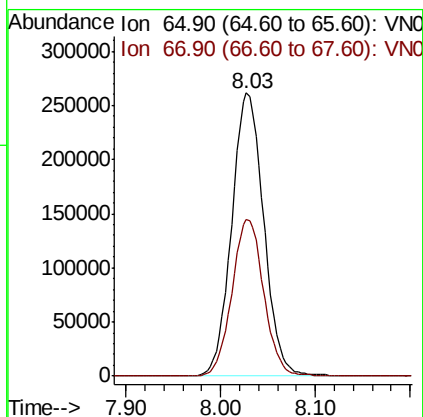
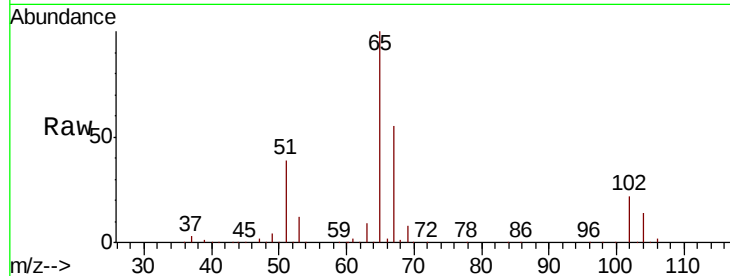




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

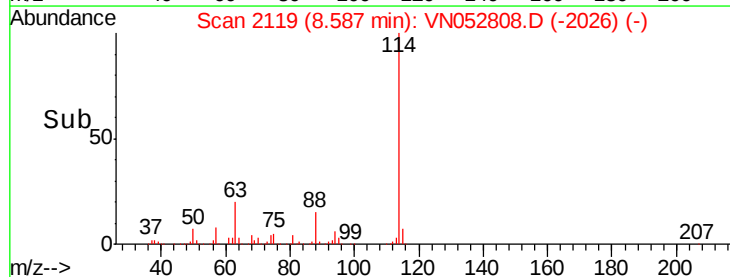
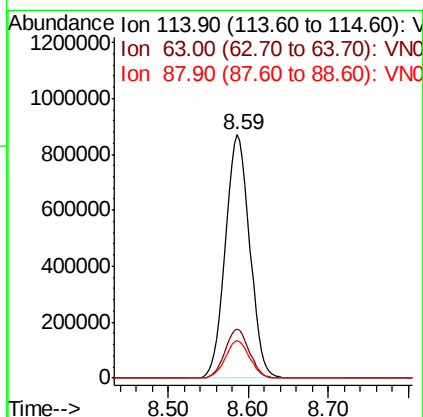
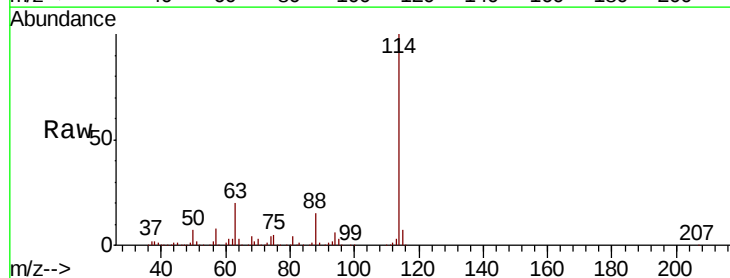
Instrument :
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 ClientSampleId :
 PB115504ZHE#13

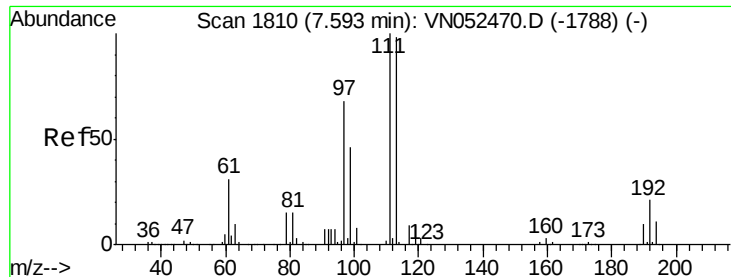
Tot Ion: 65 Resp: 614703
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

Tgt Ion: 114 Resp: 1810667
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.3 0.0 31.6

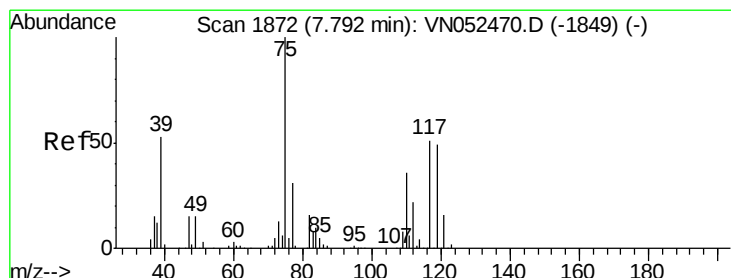
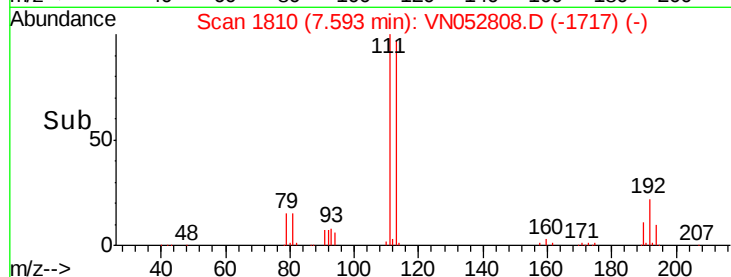
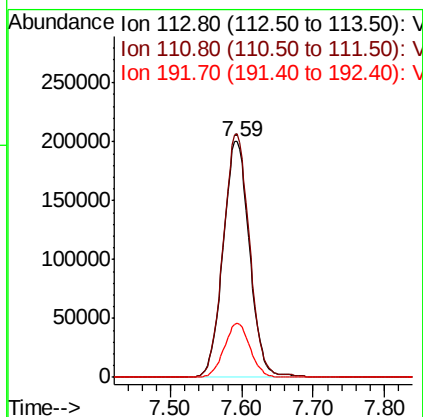
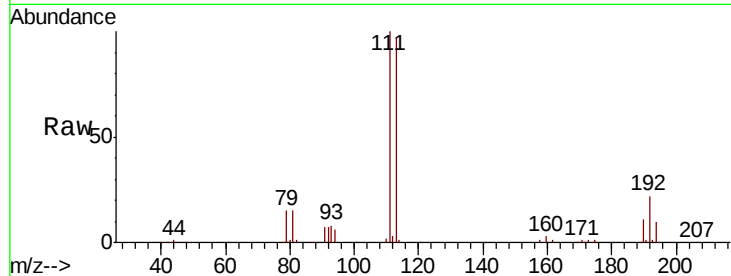




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

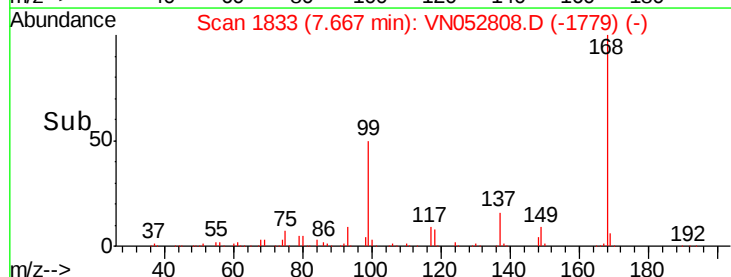
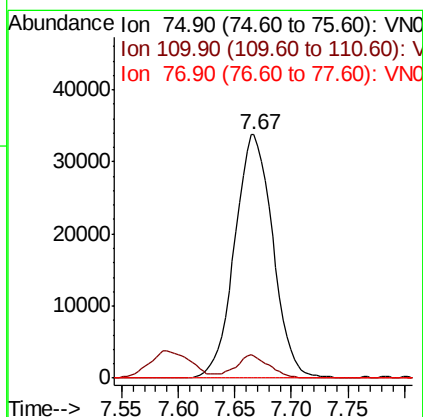
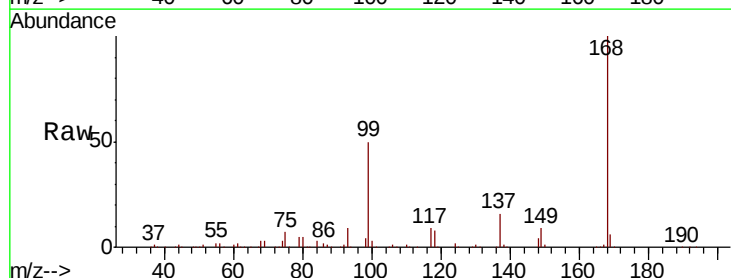
Instrument :
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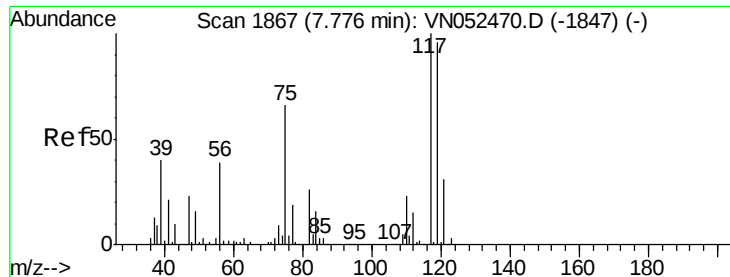
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	22.4	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#13

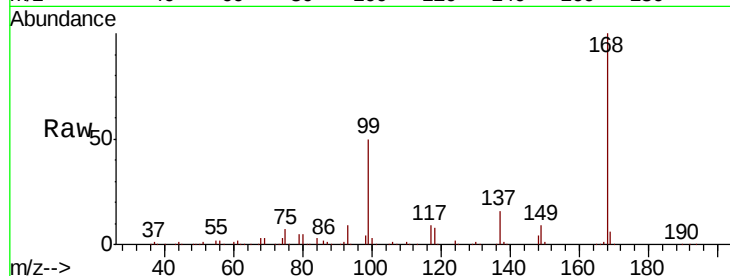
Tot Ion:117 Resp: 102562

Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

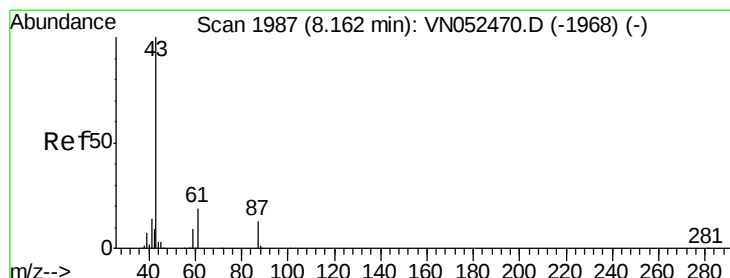
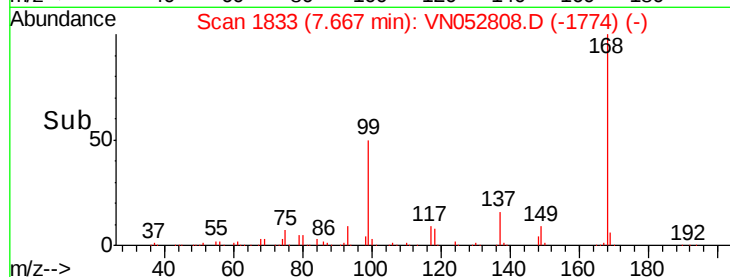
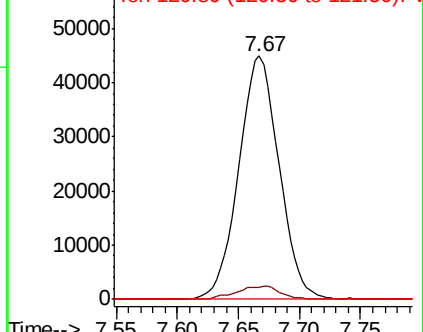
121 0.0 24.9 37.3#



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: 5.581 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

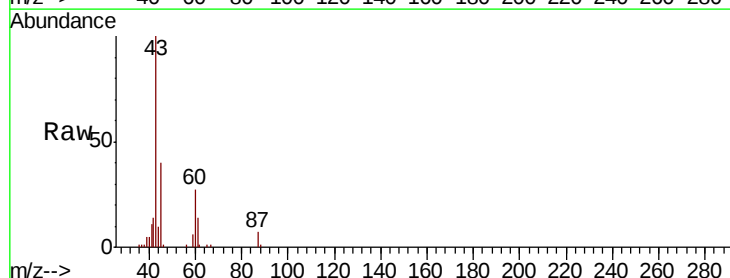
Tgt Ion: 43 Resp: 98551

Ion Ratio Lower Upper

43 100

61 10.0 24.1 36.1#

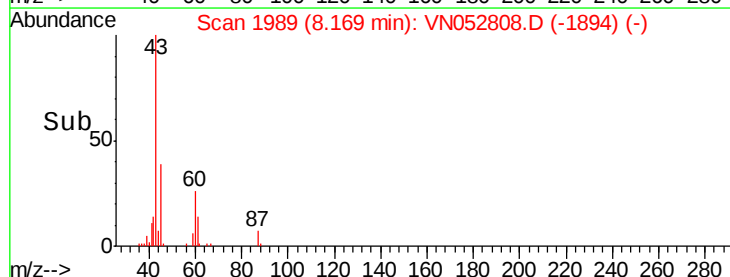
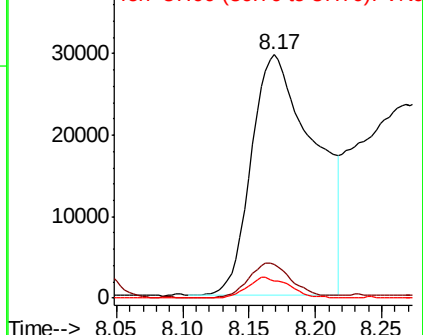
87 5.7 10.6 15.8#

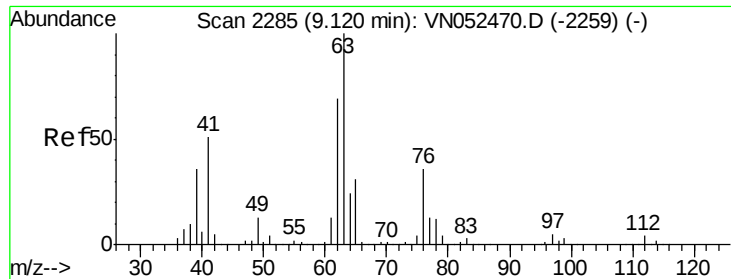


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

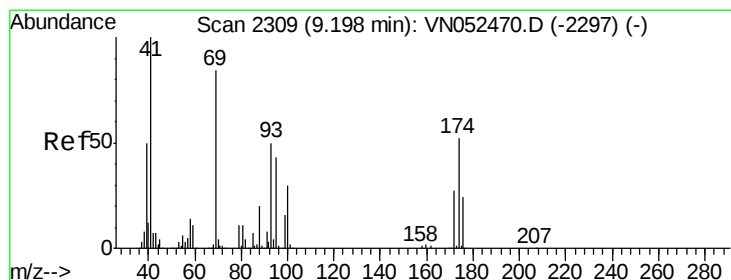
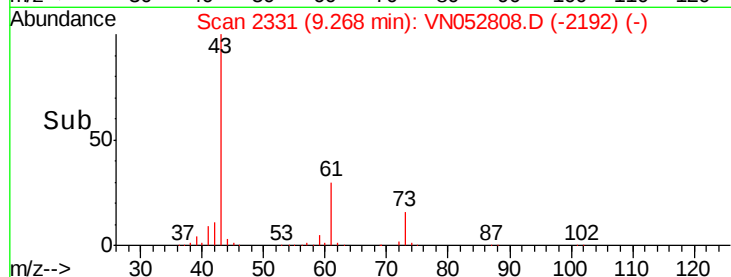
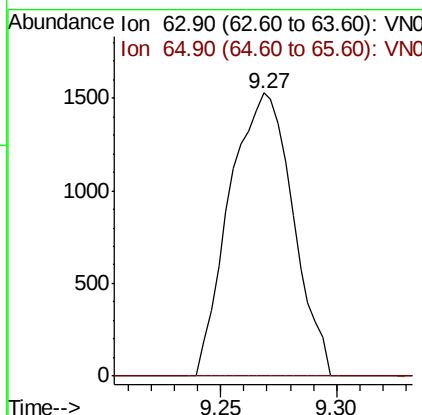
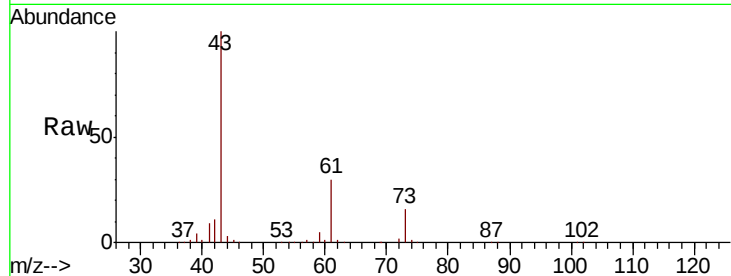




#45
 1,2-Dichloropropane
 Concen: 0.214 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

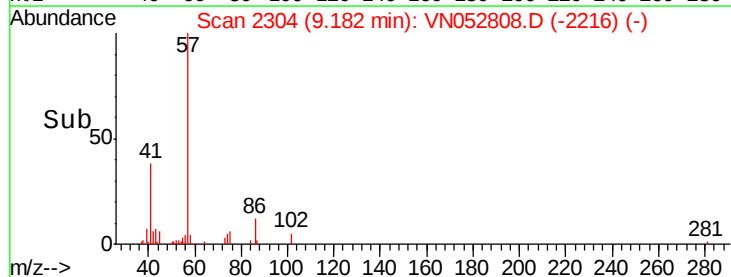
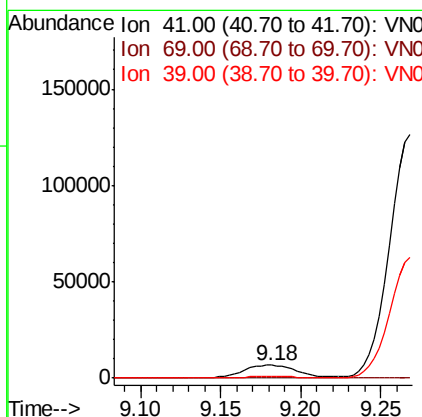
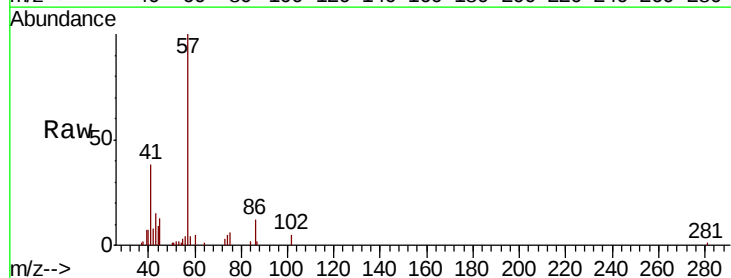
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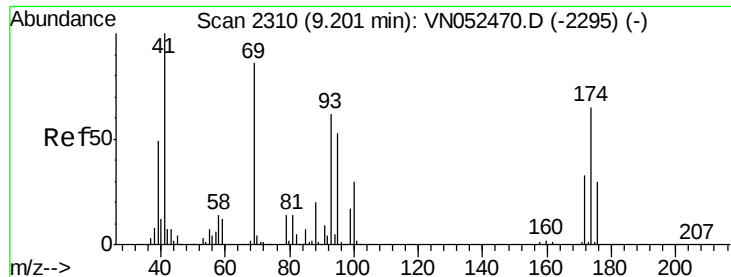
Tot Ion: 63 Resp: 2898
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.613 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052808.D
 Acq: 11 Dec 2018 17:56

Tgt Ion: 41 Resp: 14850
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.0 105.0#
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 1.580 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#13

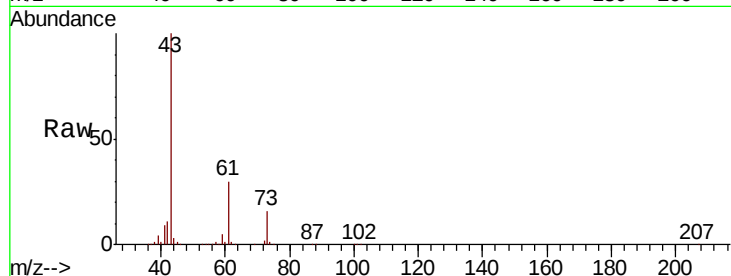
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 1703141.7 26.4 39.6#

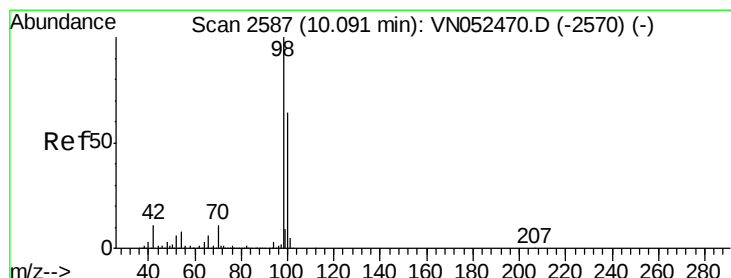
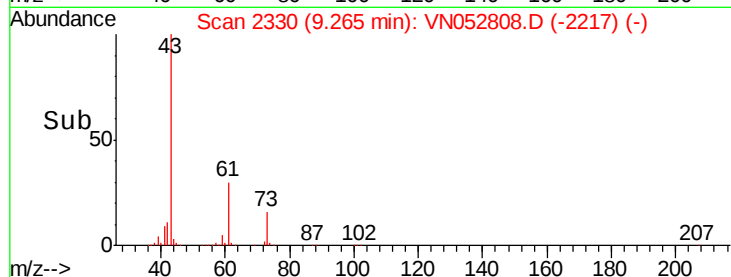
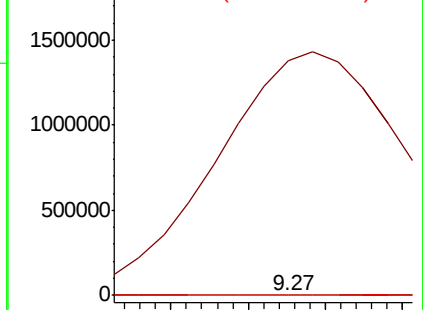
58 7100.0 55.4 83.0#



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: 1.580 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052808.D

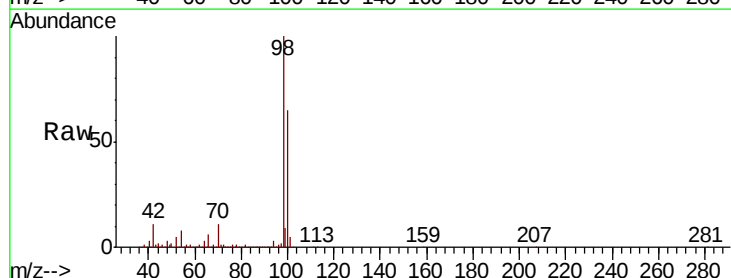
Acq: 11 Dec 2018 17:56

Tgt Ion: 98 Resp: 2234304

Ion Ratio Lower Upper

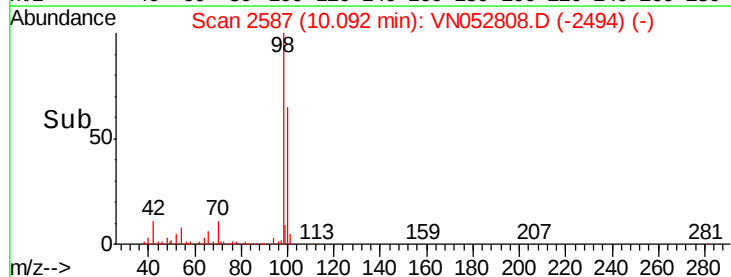
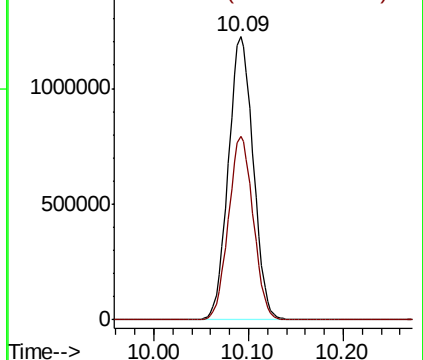
98 100

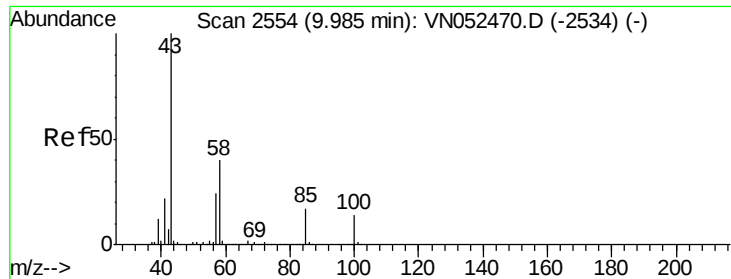
100 64.6 51.3 76.9



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: 1.650 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

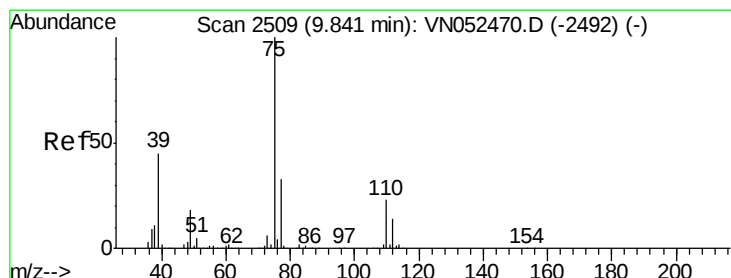
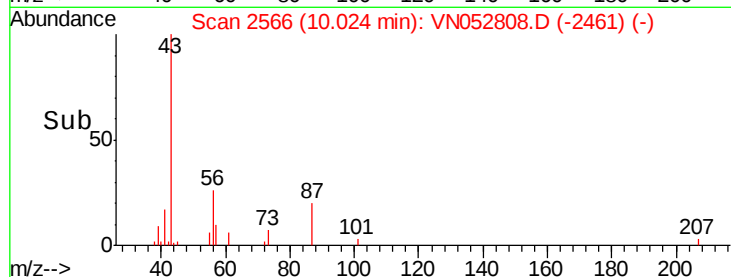
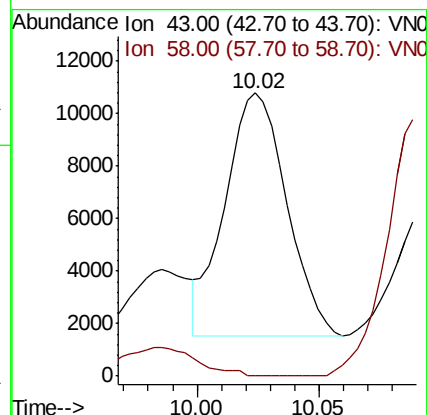
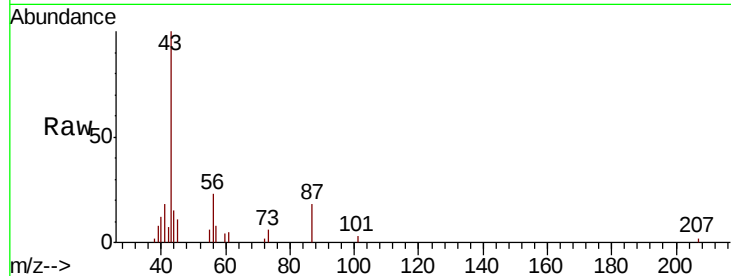
PB115504ZHE#13

Tot Ion: 43 Resp: 16345

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#54

cis-1,3-Dichloropropene

Concen: 6.385 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

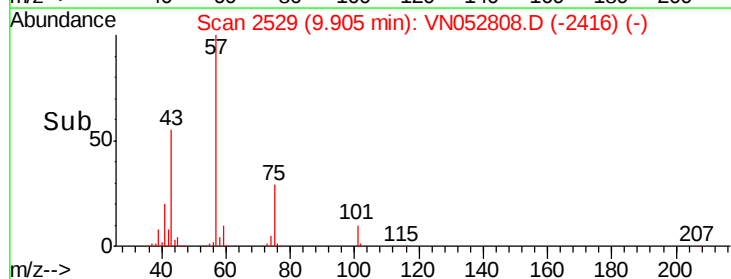
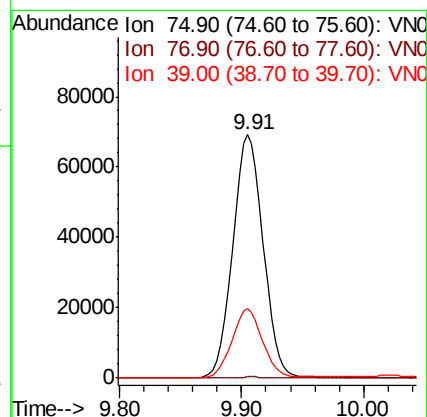
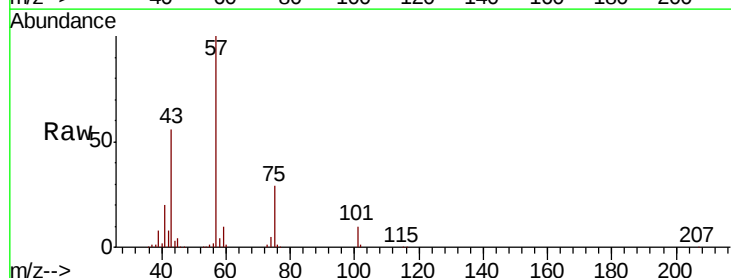
Tgt Ion: 75 Resp: 120028

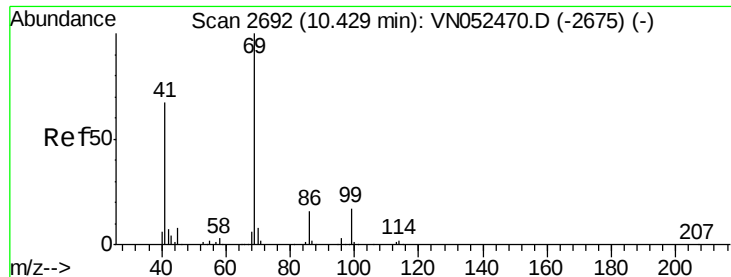
Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 28.3 36.0 54.0#





#56

Ethyl methacrylate

Concen: 2.800 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#13

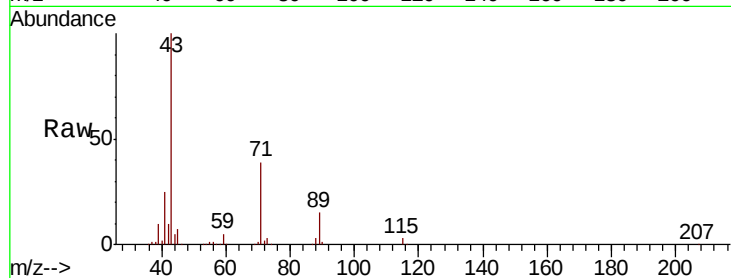
Tot Ion: 69 Resp: 1663

Ion Ratio Lower Upper

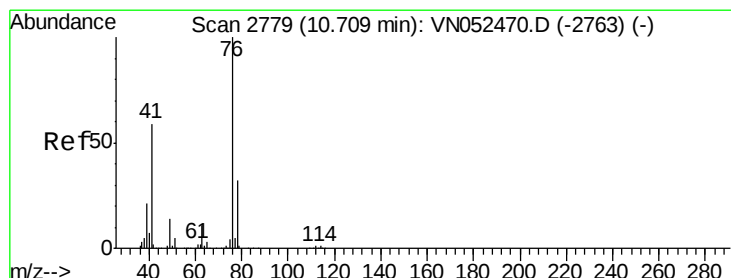
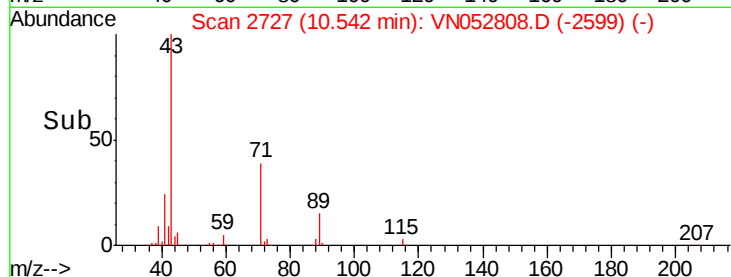
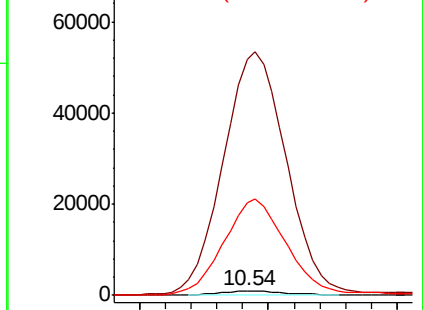
69 100

41 5476.9 52.6 79.0#

39 2138.2 25.9 38.9#



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



#57

1,3-Dichloropropane

Concen: 1.291 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052808.D

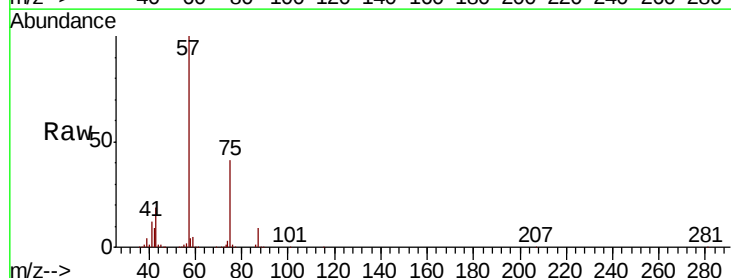
Acq: 11 Dec 2018 17:56

Tgt Ion: 76 Resp: 24268

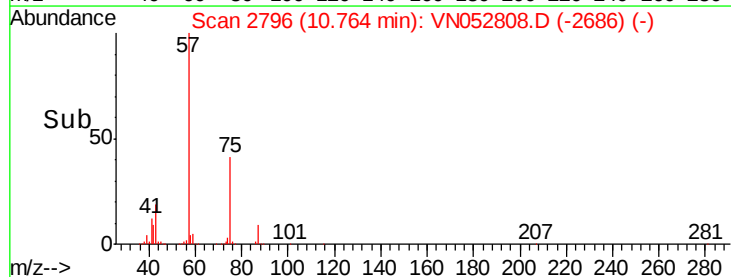
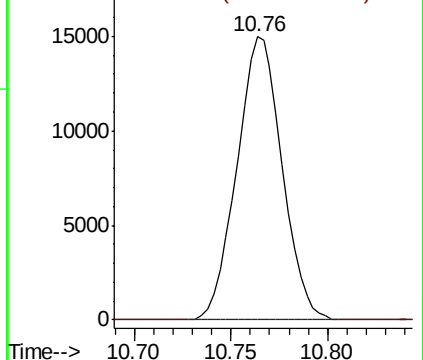
Ion Ratio Lower Upper

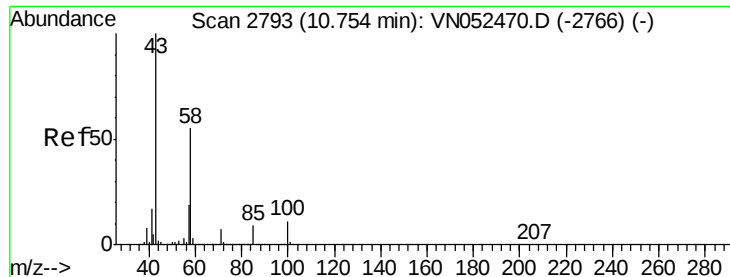
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

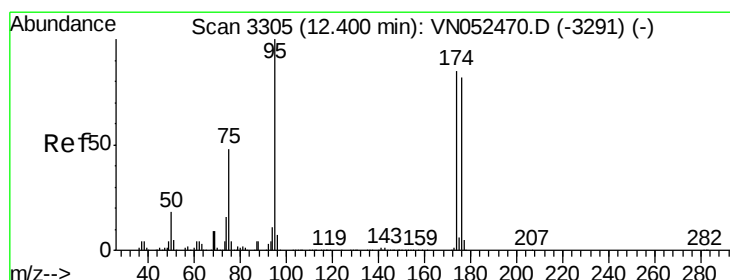
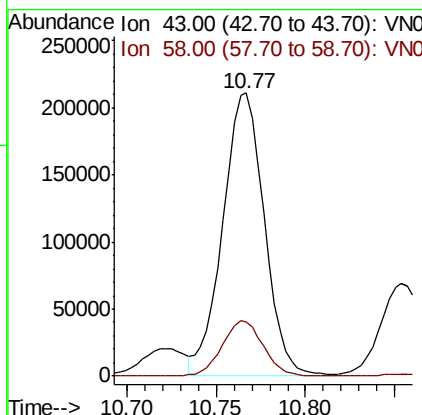
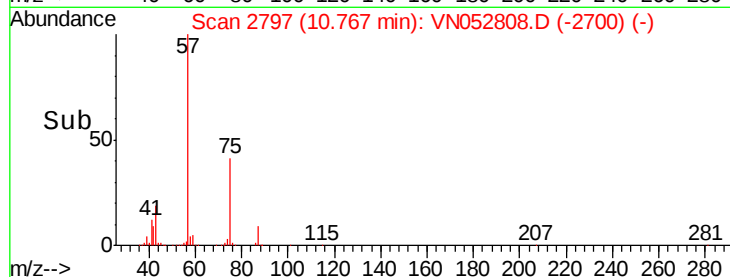
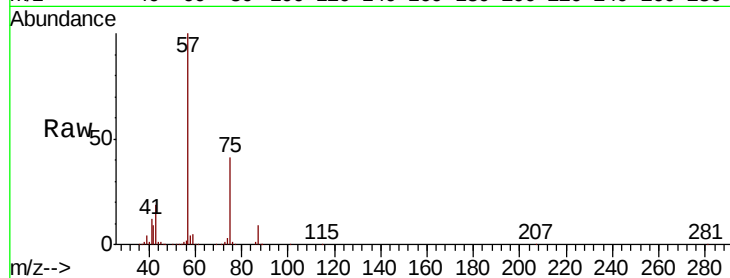




#59
2-Hexanone
Concen: 51.209 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

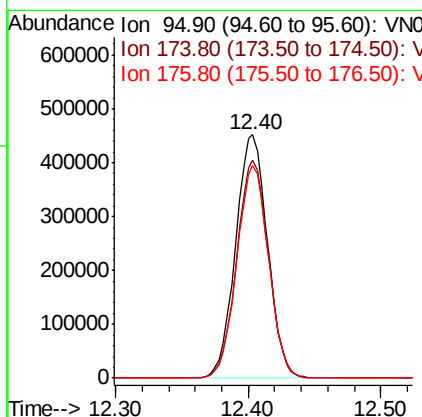
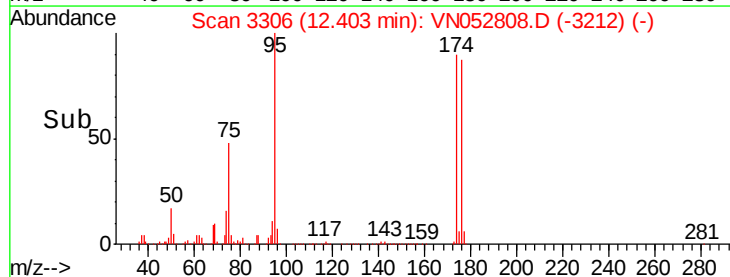
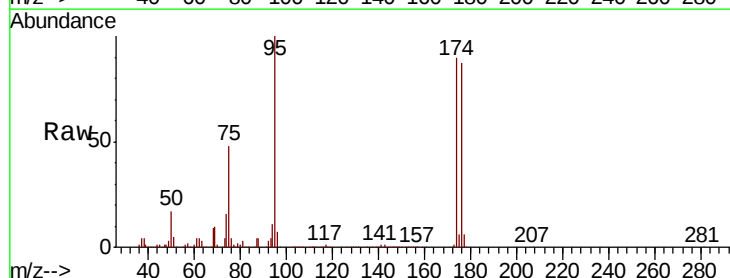
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#13

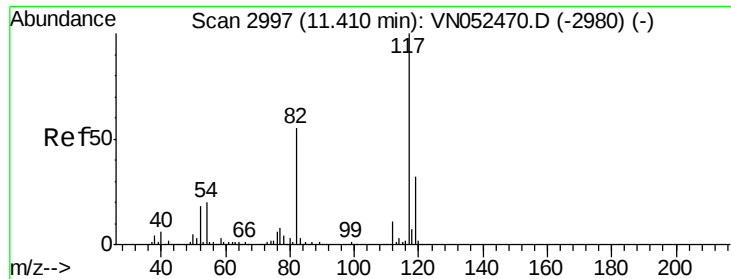
Tot Ion: 43 Resp: 340532
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Tgt Ion: 95 Resp: 753167
Ion Ratio Lower Upper
95 100
174 89.3 0.0 173.0
176 87.0 0.0 166.2

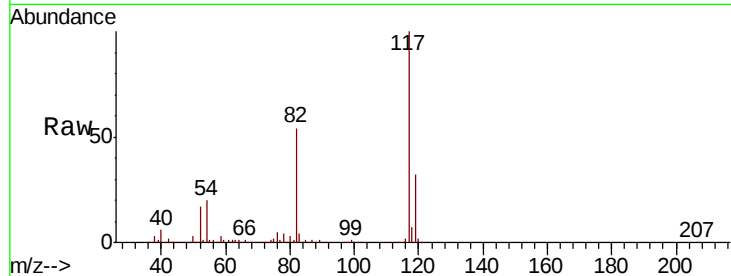




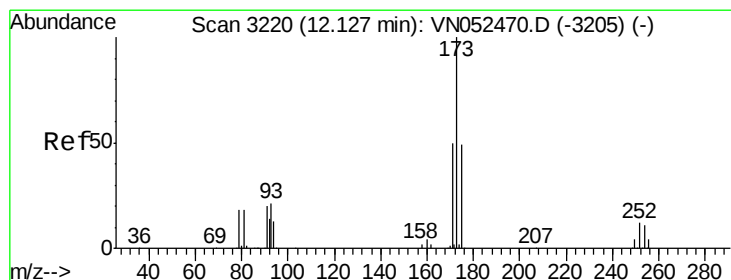
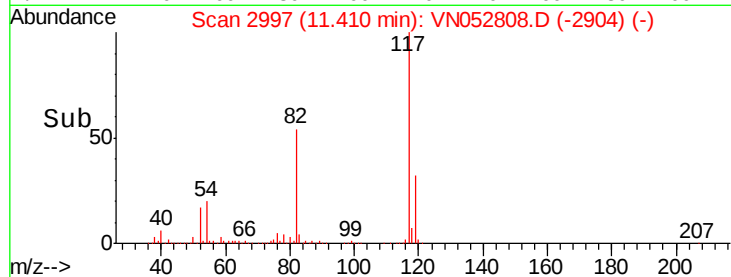
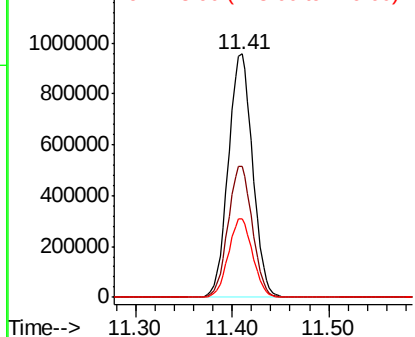
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#13

Tot Ion:117 Resp: 1665411
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.3 25.4 38.2

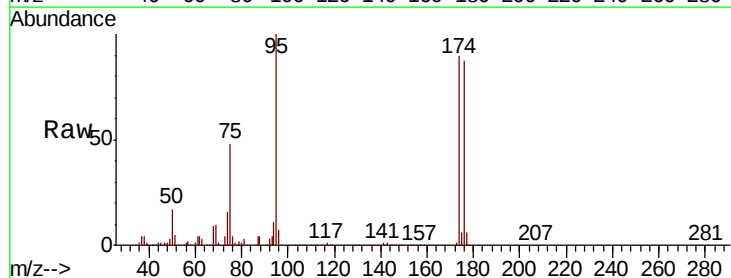


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

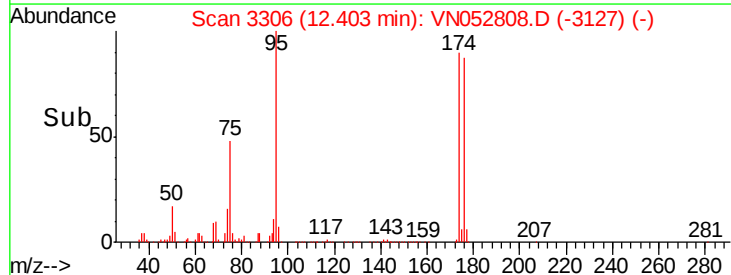
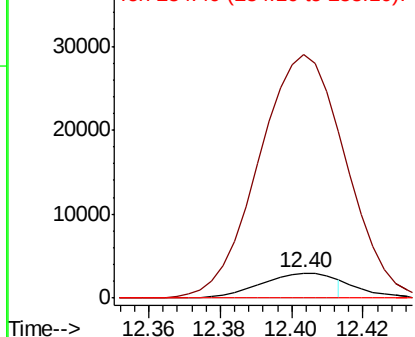


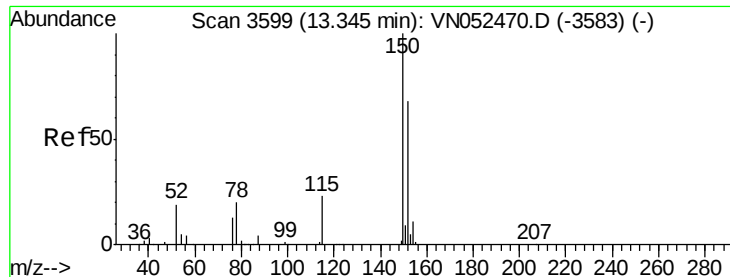
#71
Bromoform
Concen: 0.540 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Tgt Ion:173 Resp: 4270
Ion Ratio Lower Upper
173 100
175 979.2 24.4 73.2#
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: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#13

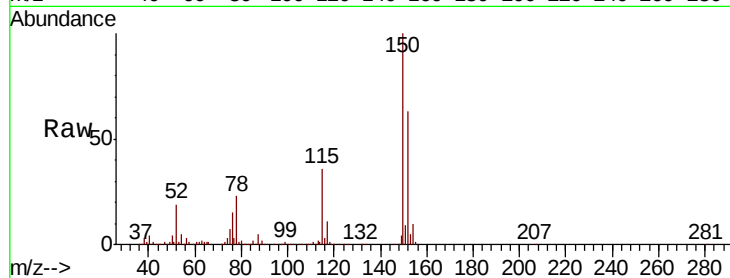
Tot Ion:152 Resp: 706849

Ion Ratio Lower Upper

152 100

115 56.5 28.4 85.2

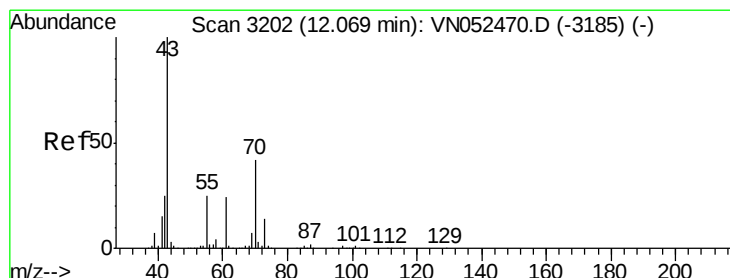
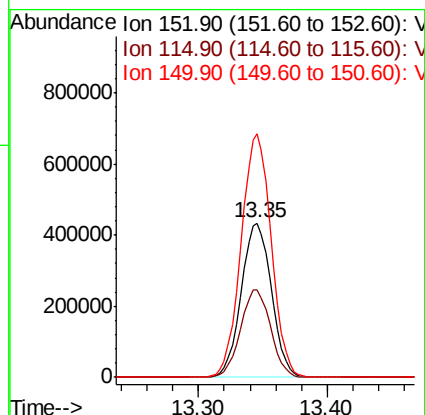
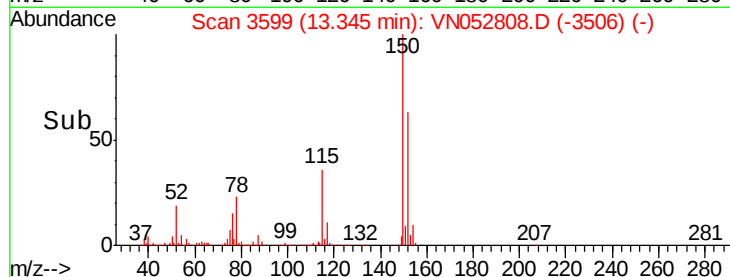
150 157.0 0.0 346.0



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-ethyl acetate

Concen: 2.944 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Tgt Ion: 43 Resp: 41244

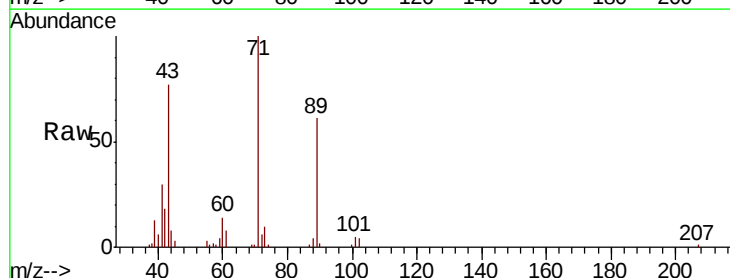
Ion Ratio Lower Upper

43 100

70 1.9 33.8 50.8#

55 4.7 20.0 30.0#

61 10.4 19.7 29.5#

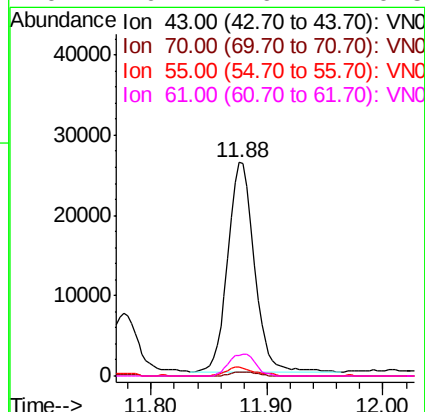
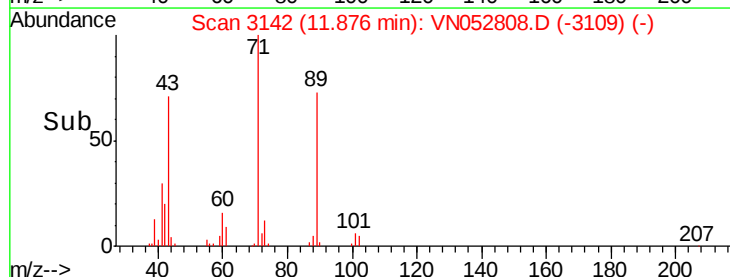


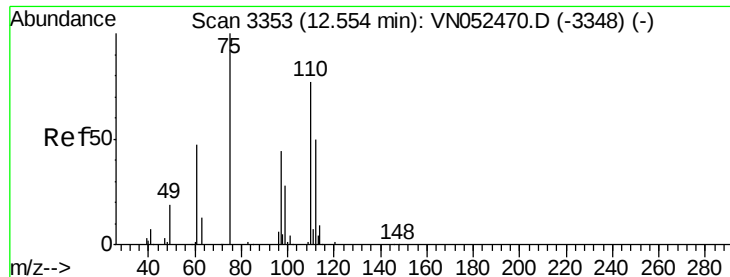
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 33.011 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

Instrument :

MSVOA_N

ClientSampleId :

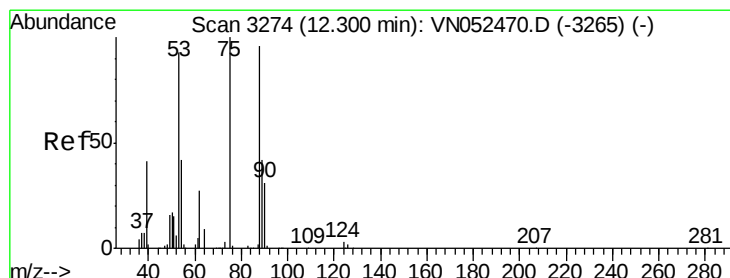
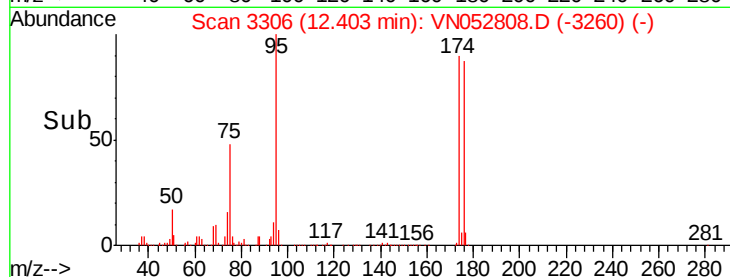
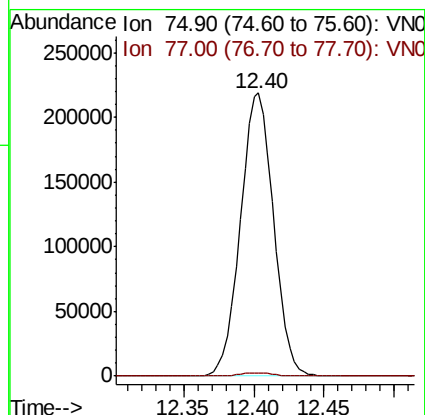
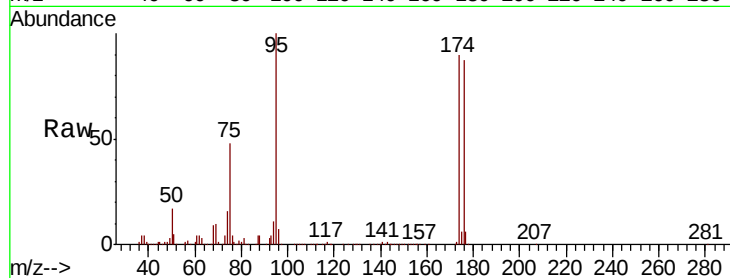
PB115504ZHE#13

Tot Ion: 75 Resp: 359821

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.241 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052808.D

Acq: 11 Dec 2018 17:56

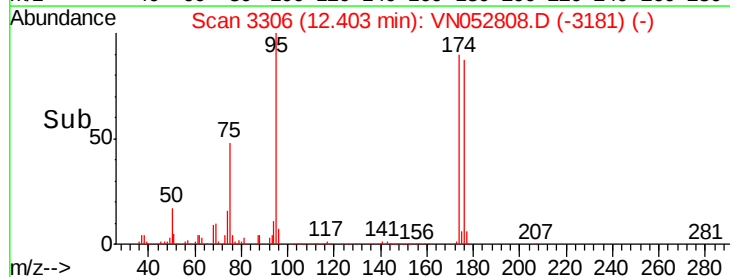
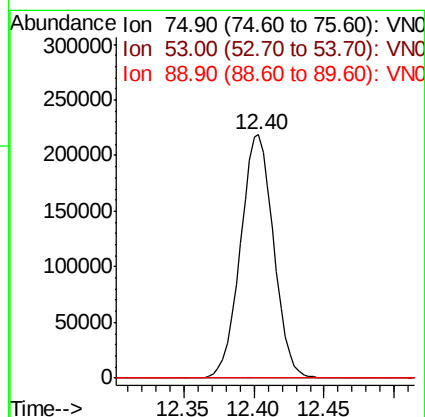
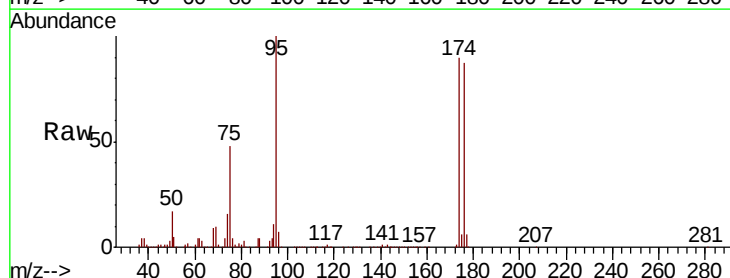
Tgt Ion: 75 Resp: 359821

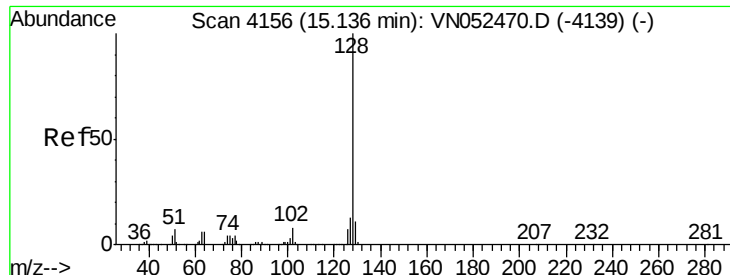
Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#





#95
Naphthalene
Concen: 3.440 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052808.D
Acq: 11 Dec 2018 17:56

Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#13

Tot Ion:128 Resp: 320
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#

