

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052259.D
 Acq On : 12 Nov 2018 13:51
 Operator : MD\SY
 Sample : PB114678ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#03

Quant Time: Nov 13 00:14:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	342395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	564137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146465	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	218078	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
35) Dibromofluoromethane	7.59	113	178502	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.09	98	708704	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	191397	41.38	ug/l	0.00
Spiked Amount			Recovery	=	82.76%	

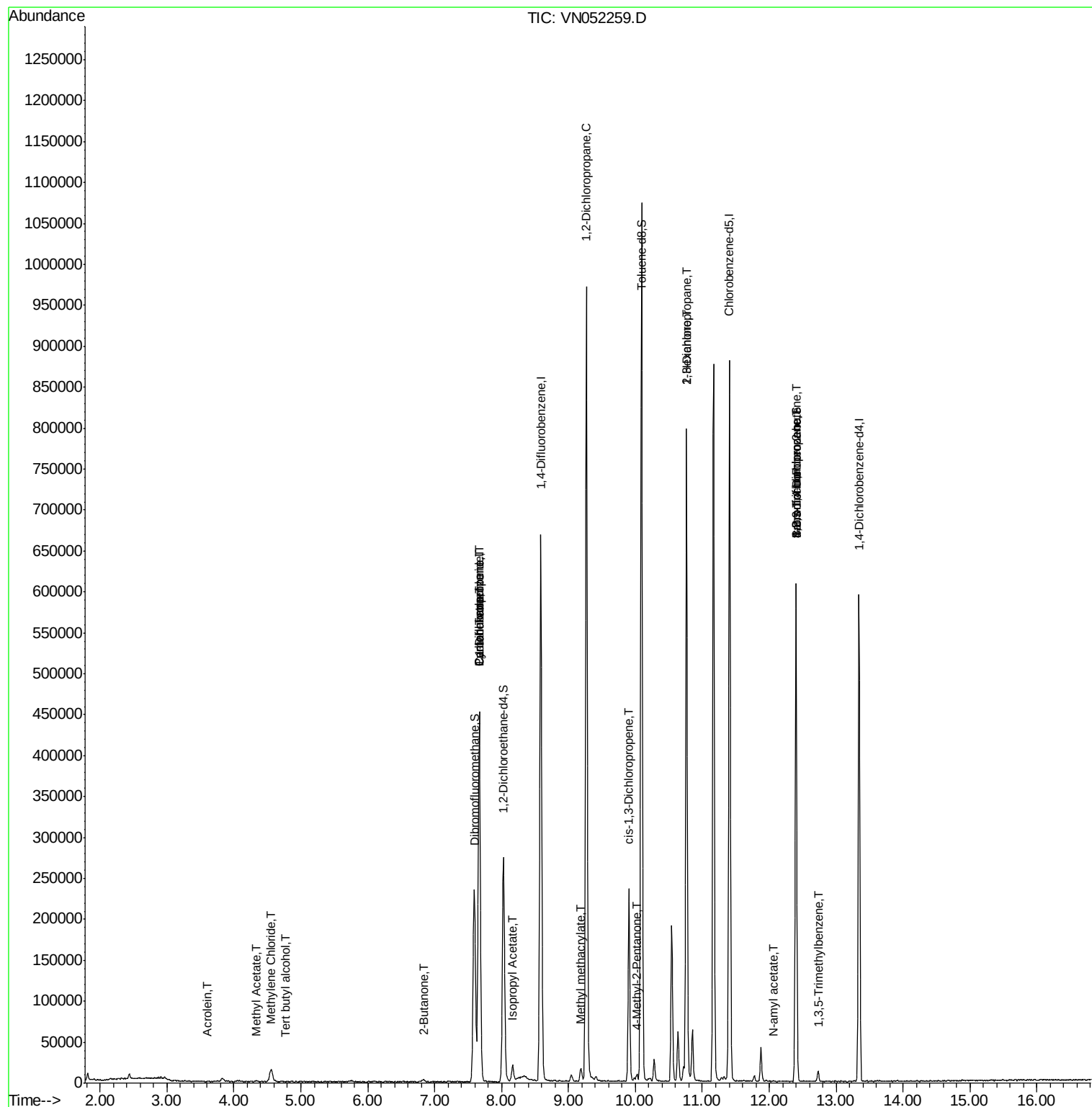
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	101	0.421	ug/l #	71
13) Acrolein	3.60	56	102	34.336	ug/l	85
16) Acetone	3.82	43	7859	Below Cal		92
18) Methyl Acetate	4.33	43	1778	0.454	ug/l #	56
20) Methylene Chloride	4.55	84	10019	2.347	ug/l	87
25) 2-Butanone	6.85	43	1114	0.558	ug/l #	52
31) Cyclohexane	7.67	56	8922	0.551	ug/l #	6
36) 1,1-Dichloropropene	7.67	75	29988	5.267	ug/l #	52
38) Carbon Tetrachloride	7.67	117	36222	7.020	ug/l #	17
43) Isopropyl Acetate	8.17	43	24922	3.339	ug/l	97
45) 1,2-Dichloropropane	9.27	63	1485	0.326	ug/l #	44
48) Methyl methacrylate	9.18	41	6379	1.622	ug/l #	15
51) 4-Methyl-2-Pentanone	10.02	43	7229	1.754	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	36605	5.797	ug/l #	71
57) 1,3-Dichloropropane	10.76	76	7716	1.213	ug/l #	43
59) 2-Hexanone	10.76	43	126038	43.551	ug/l #	55
71) Bromoform	12.40	173	1199	0.594	ug/l #	1
74) N-amyl acetate	12.07	43	930	0.214	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	104284	40.243	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5938	0.624	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	104284	137.368	ug/l #	8

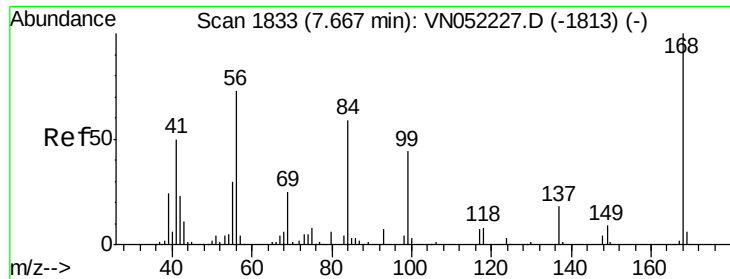
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052259.D

Acq: 12 Nov 2018 13:51

Instrument :

MSVOA_N

ClientSampleId :

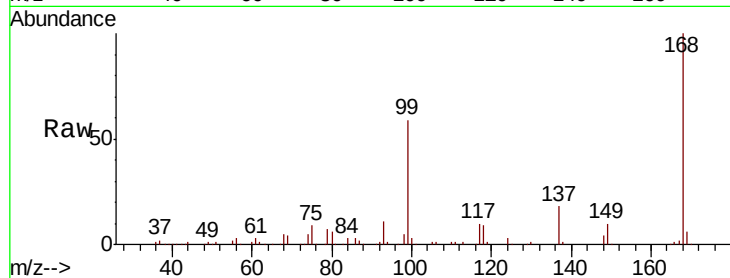
PB114678ZHE#03

Tot Ion:168 Resp: 342395

Ion Ratio Lower Upper

168 100

99 59.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

150000

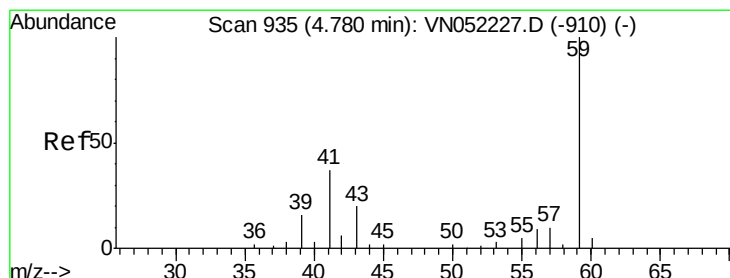
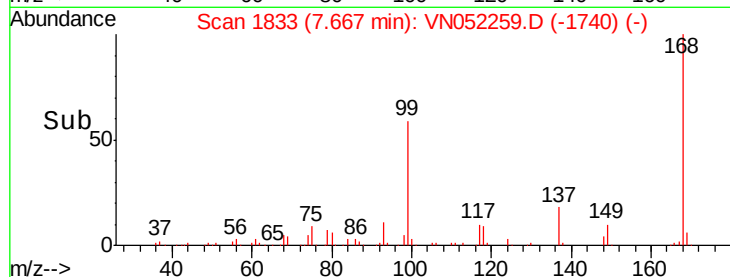
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.421 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN052259.D

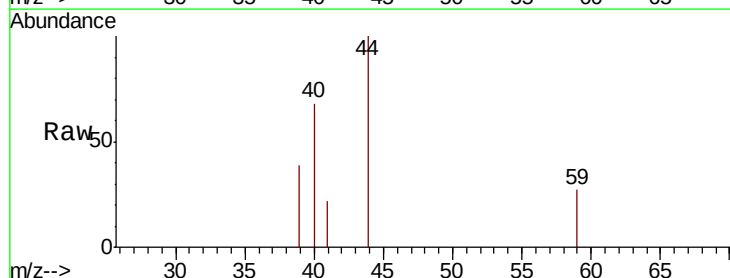
Acq: 12 Nov 2018 13:51

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN052227.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN052227.D (-910) (-)

4.78

200

150

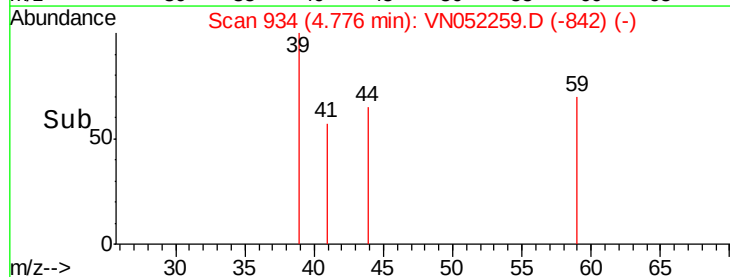
100

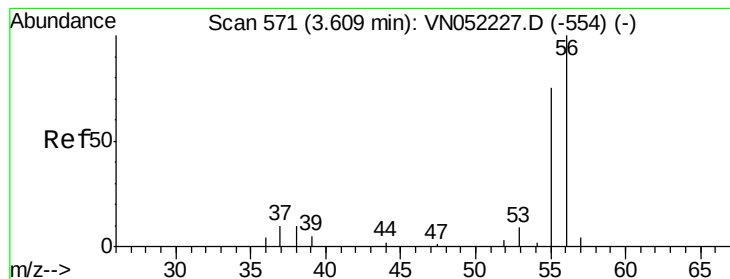
50

0

4.76 4.77 4.78 4.79

Time-->





#13

Acrolein

Concen: 34.336 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052259.D

Acq: 12 Nov 2018 13:51

Instrument :

MSVOA_N

ClientSampleId :

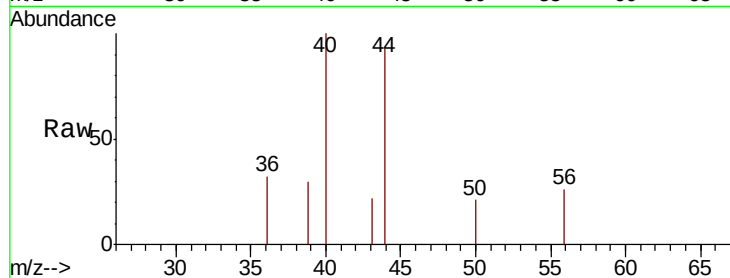
PB114678ZHE#03

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 61.8 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

150

100

50

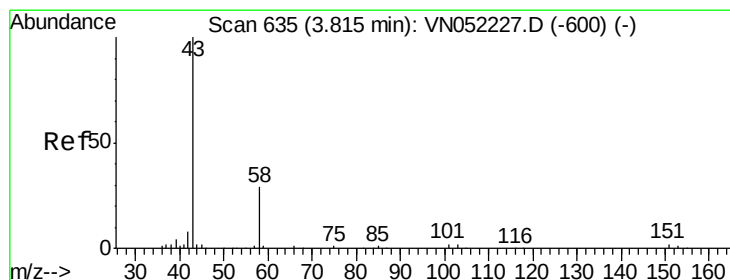
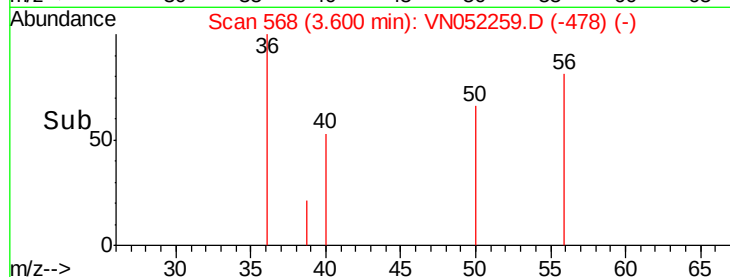
0

3.59

3.60

3.61

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052259.D

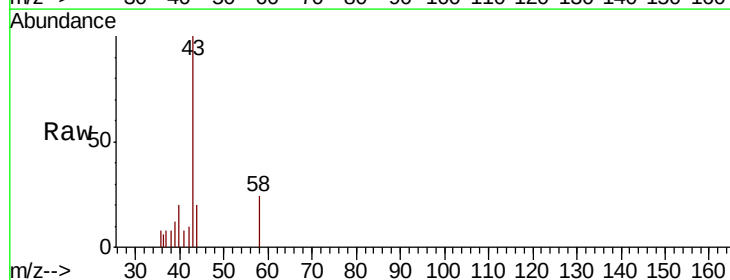
Acq: 12 Nov 2018 13:51

Tgt Ion: 43 Resp: 7859

Ion Ratio Lower Upper

43 100

58 24.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3000

2500

2000

1500

1000

500

0

3.75

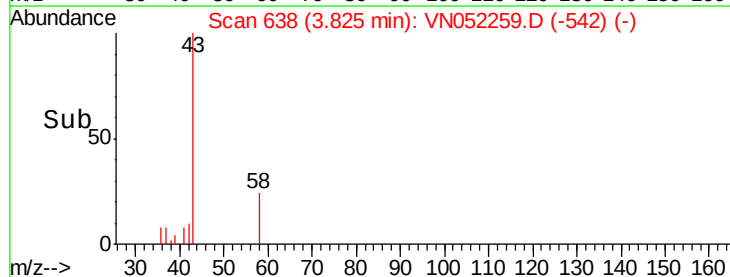
3.80

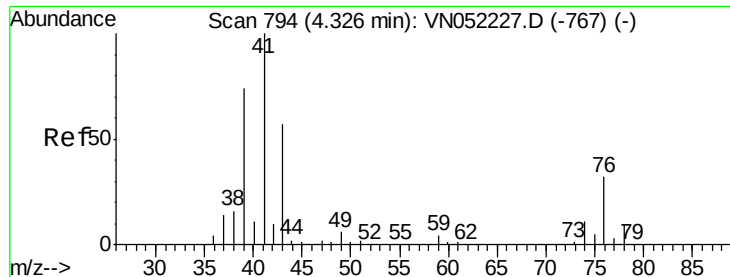
3.82

3.85

3.90

Time-->

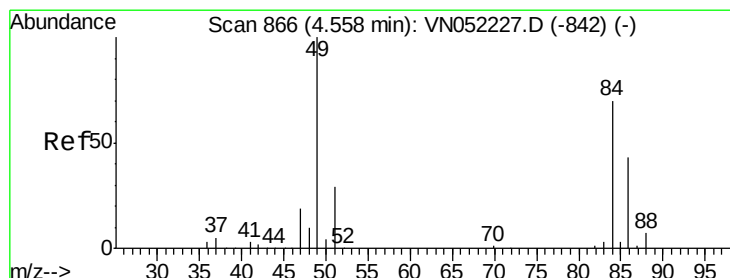
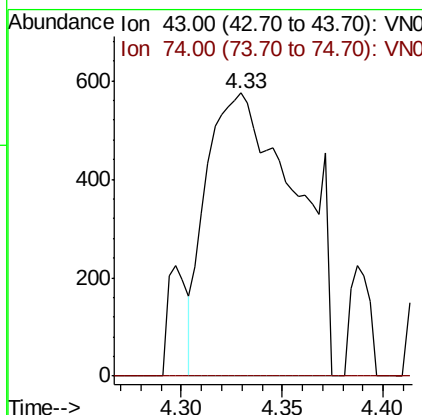
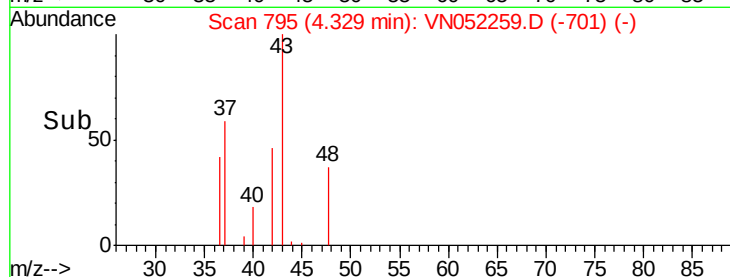
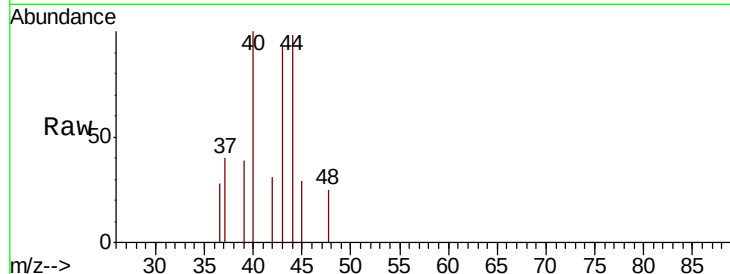




#18
Methyl Acetate
Concen: 0.454 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

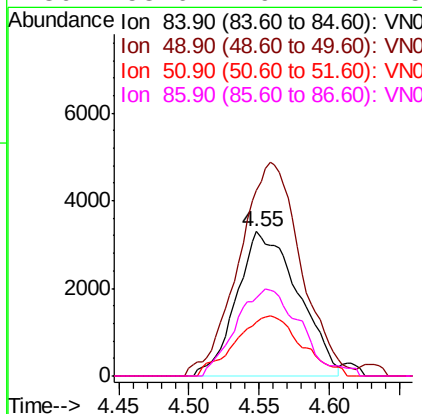
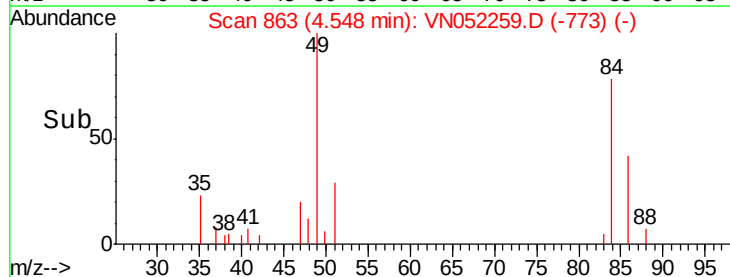
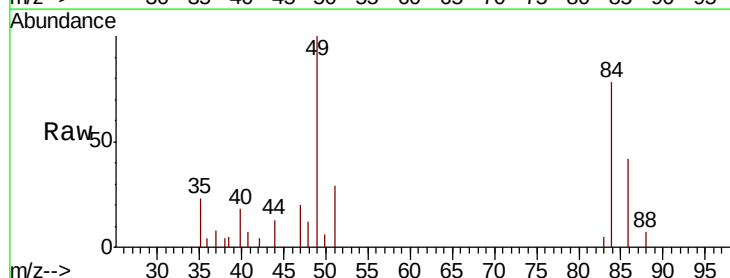
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#03

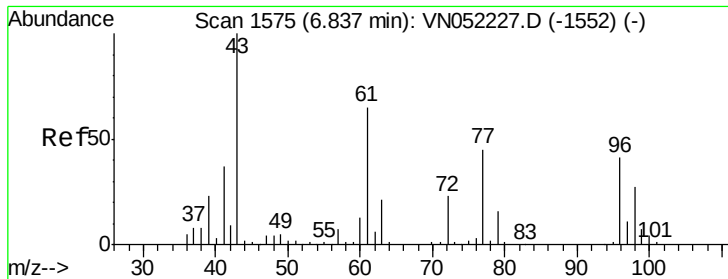
Tot Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.2#



#20
Methylene Chloride
Concen: 2.347 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Tgt Ion: 84 Resp: 10019
Ion Ratio Lower Upper
84 100
49 123.1 114.8 172.2
51 37.5 33.1 49.7
86 53.6 49.7 74.5

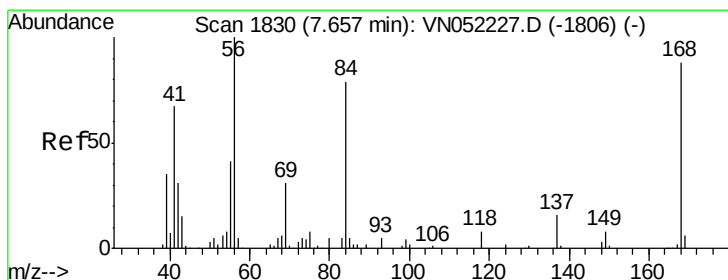
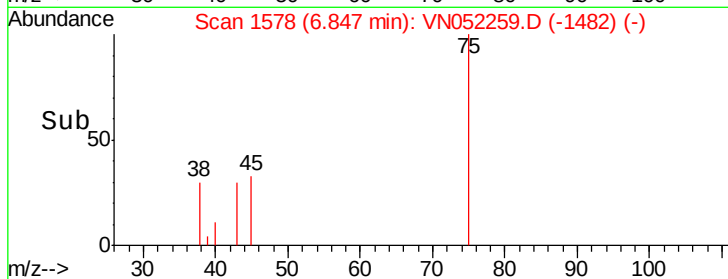
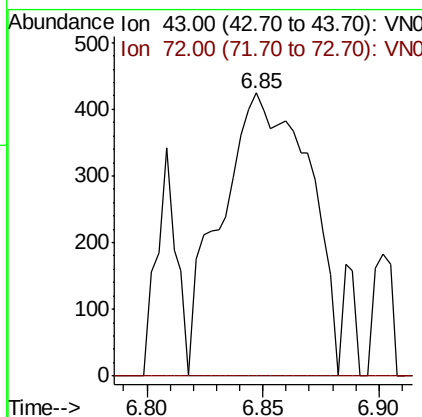
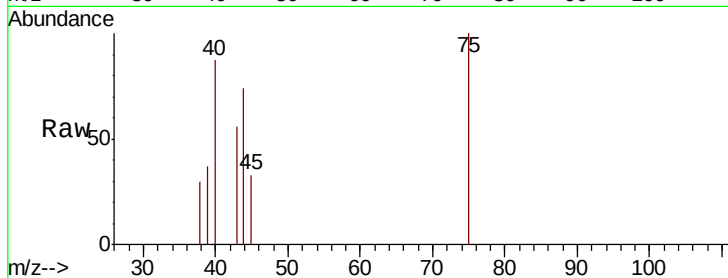




#25
 2-Butanone
 Concen: 0.558 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

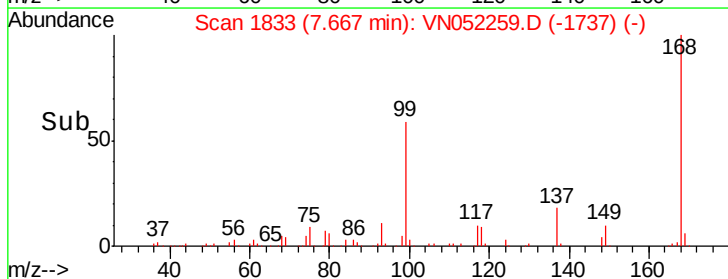
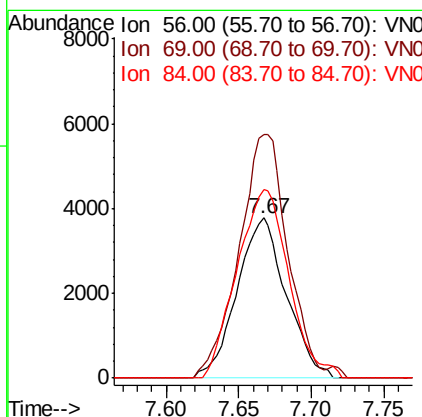
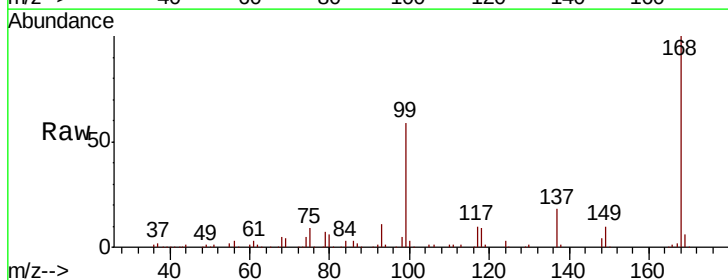
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#03

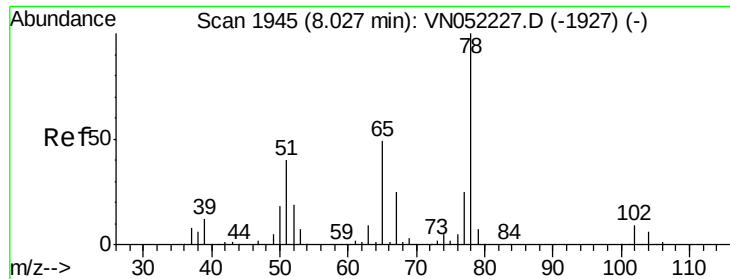
Tot Ion: 43 Resp: 1114
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



#31
 Cyclohexane
 Concen: 0.551 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion: 56 Resp: 8922
 Ion Ratio Lower Upper
 56 100
 69 151.9 24.8 37.2#
 84 118.0 63.1 94.7#

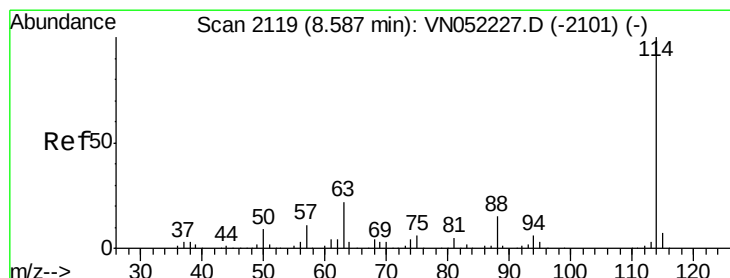
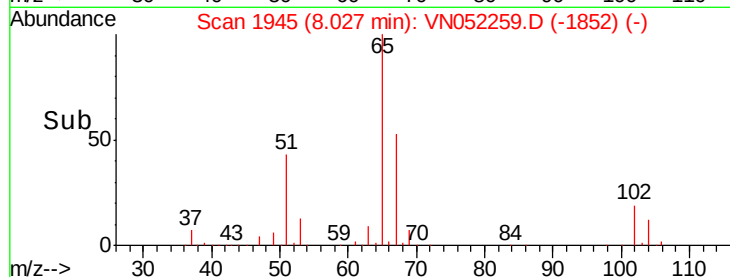
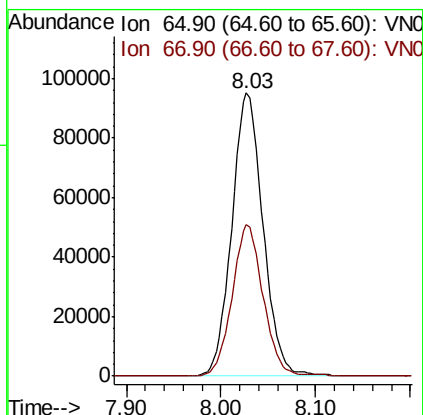
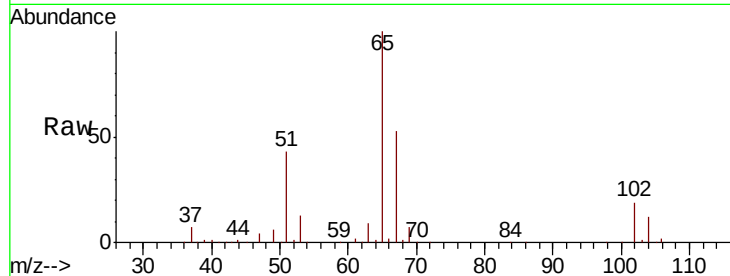




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

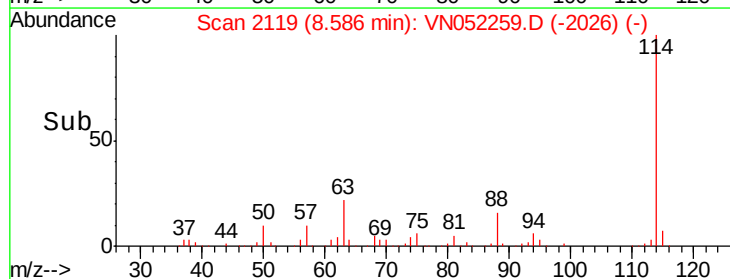
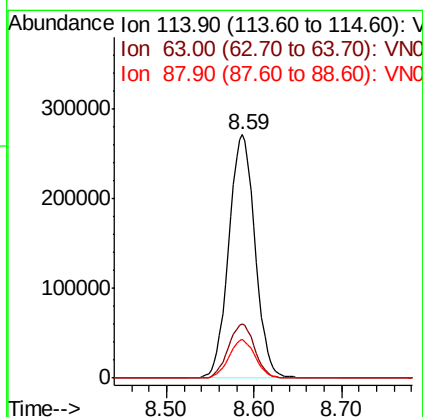
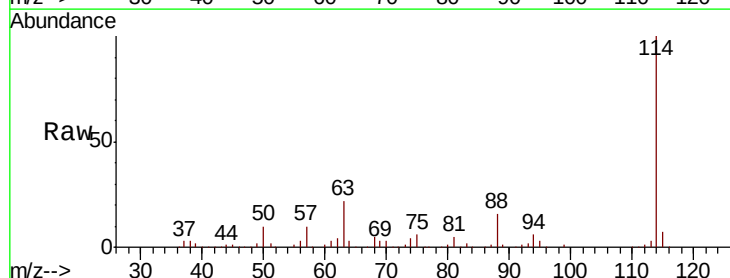
Instrument :
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 ClientSampleId :
 PB114678ZHE#03

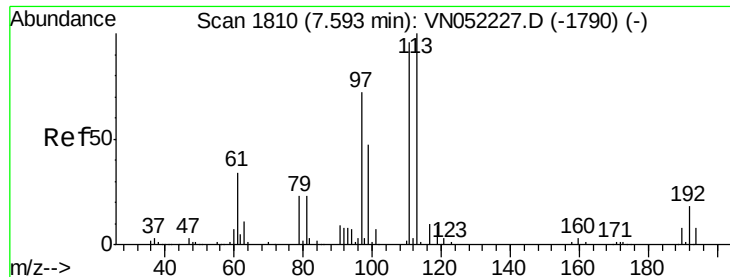
Tot Ion: 65 Resp: 218078
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion: 114 Resp: 564137
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 15.7 0.0 30.2

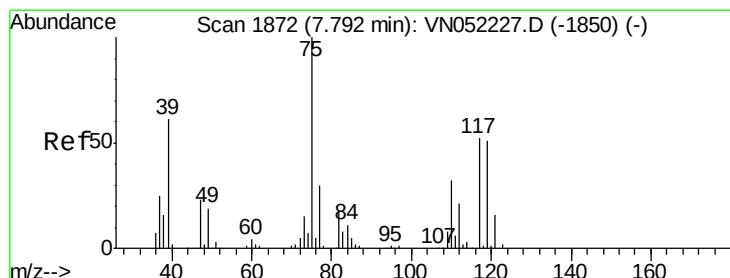
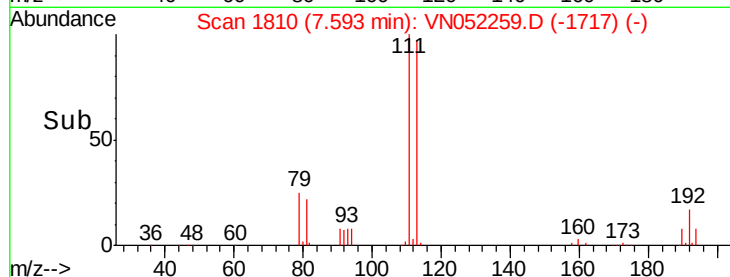
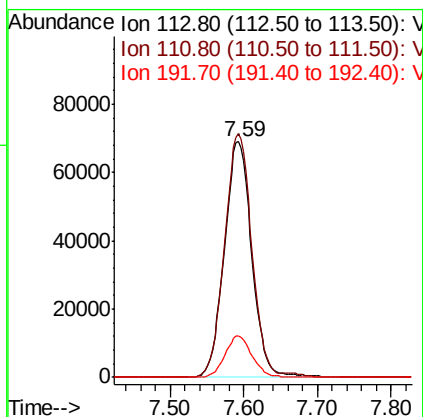
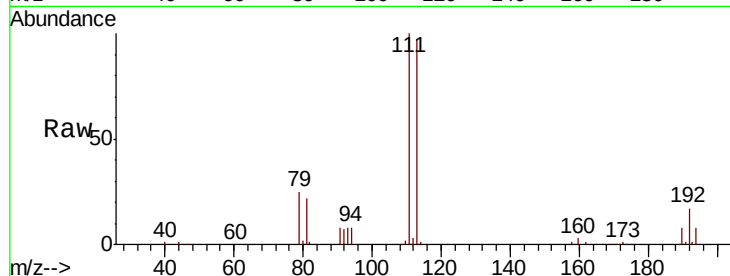




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

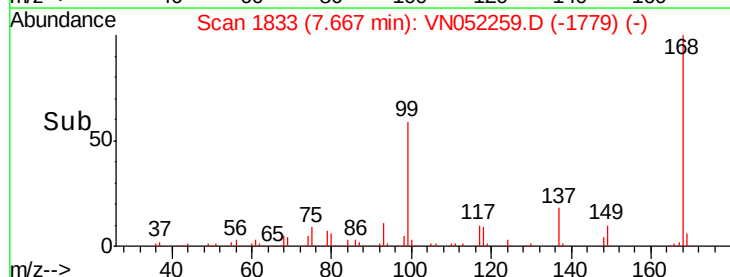
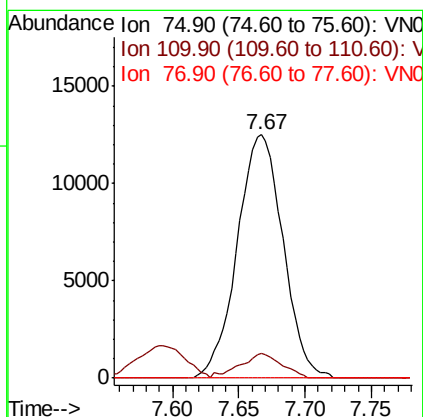
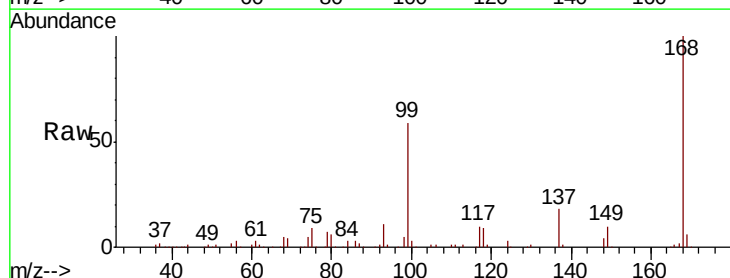
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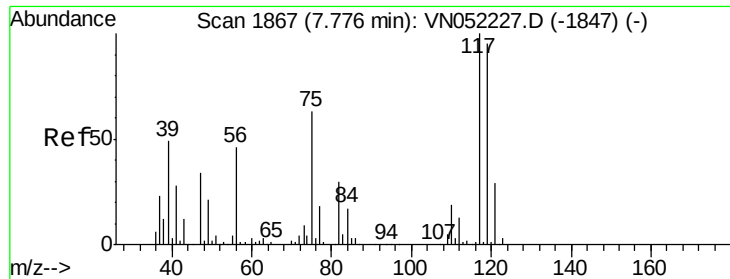
Tot Ion:113 Resp: 178502
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.2 120.4
 192 17.3 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 5.267 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion: 75 Resp: 29988
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.4#
 77 0.0 23.9 35.9#

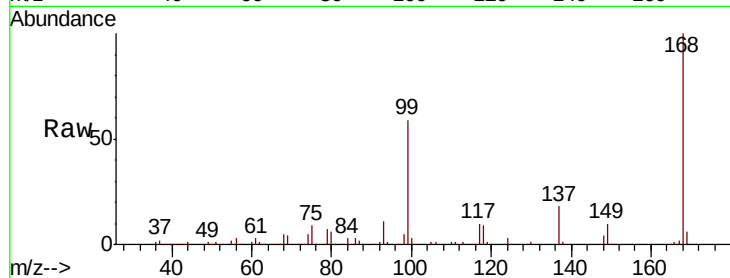




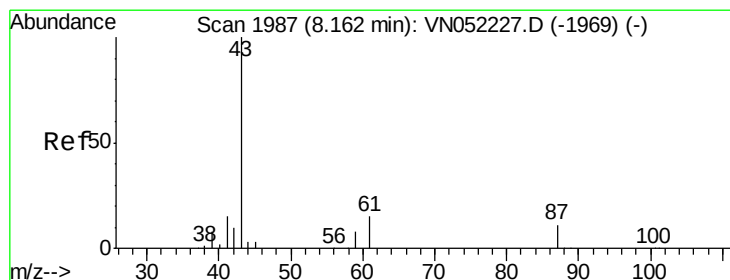
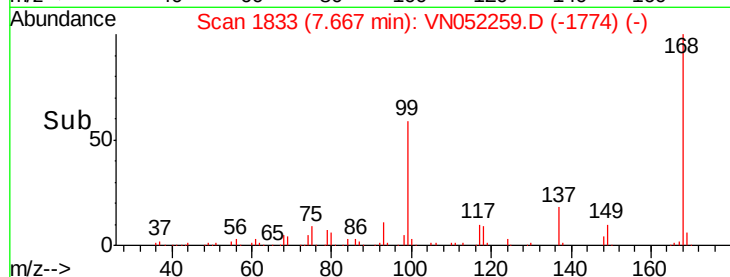
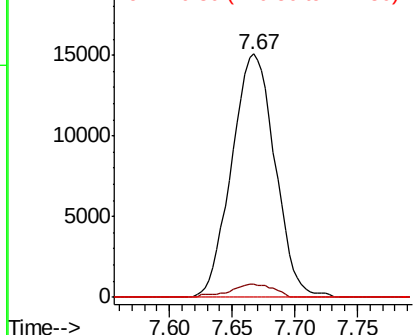
#38
Carbon Tetrachloride
Concen: 7.020 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#03

Tot Ion:117 Resp: 36222
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 23.4 35.2#

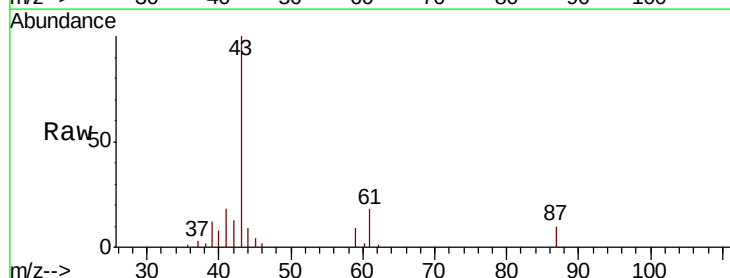


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

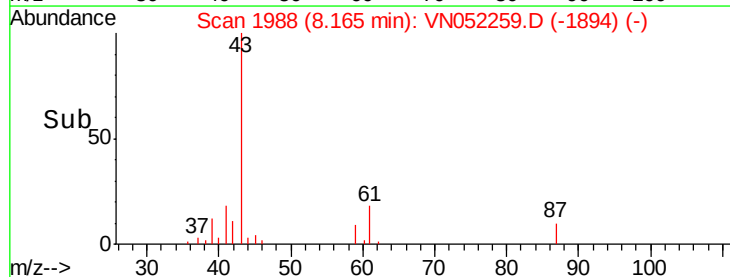
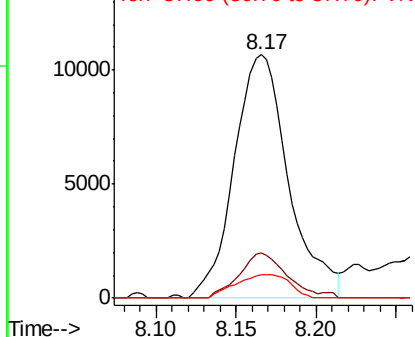


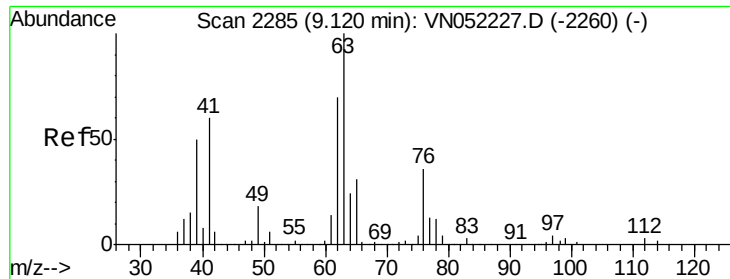
#43
Isopropyl Acetate
Concen: 3.339 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Tgt Ion: 43 Resp: 24922
Ion Ratio Lower Upper
43 100
61 16.3 14.2 21.4
87 9.6 8.4 12.6



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

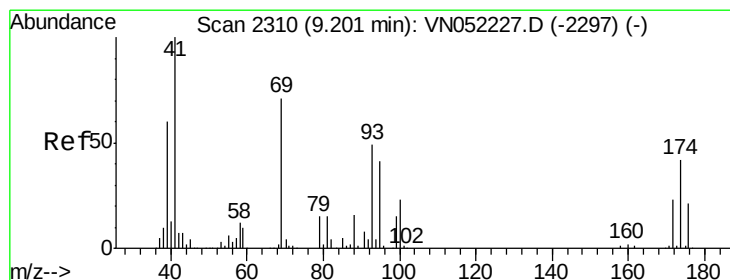
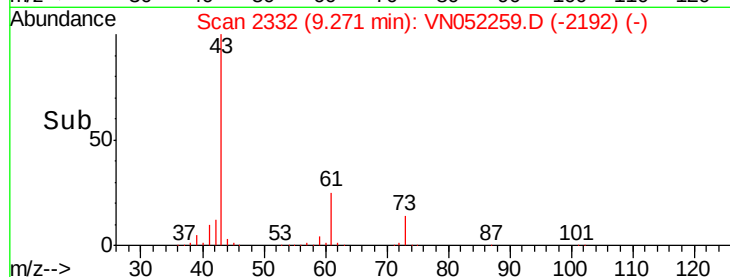
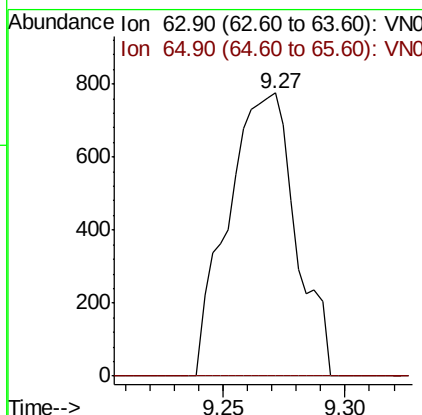
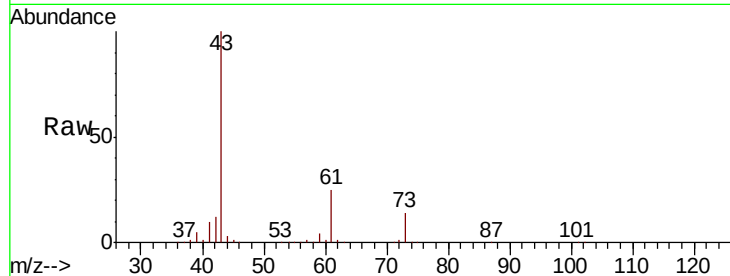




#45
 1,2-Dichloropropane
 Concen: 0.326 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

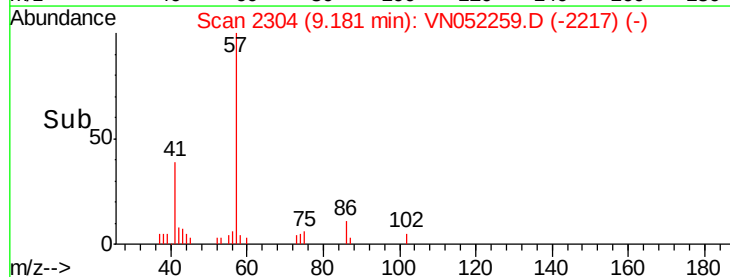
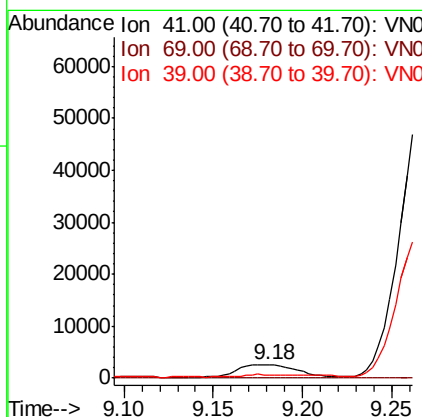
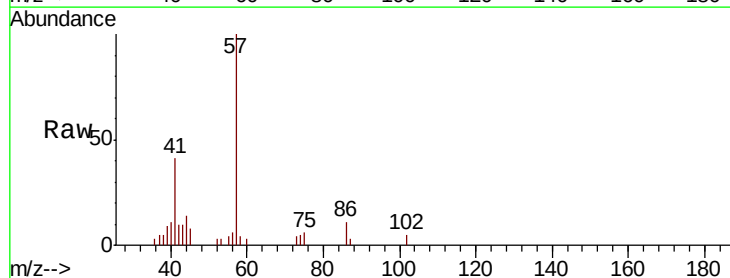
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#03

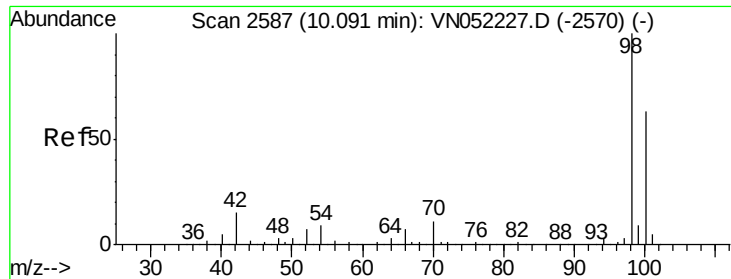
Tot Ion: 63 Resp: 1485
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.622 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion: 41 Resp: 6379
 Ion Ratio Lower Upper
 41 100
 69 0.0 58.8 88.2#
 39 0.0 50.7 76.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052259.D

Acq: 12 Nov 2018 13:51

Instrument :

MSVOA_N

ClientSampleId :

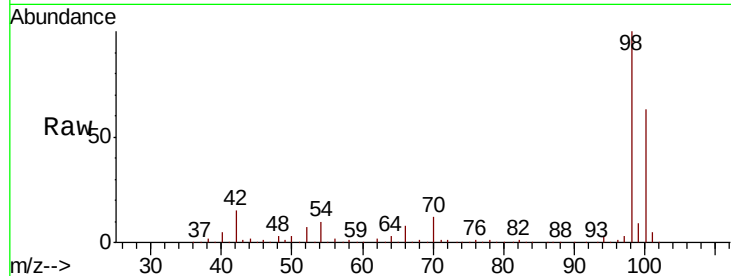
PB114678ZHE#03

Tot Ion: 98 Resp: 708704

Ion Ratio Lower Upper

98 100

100 62.4 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

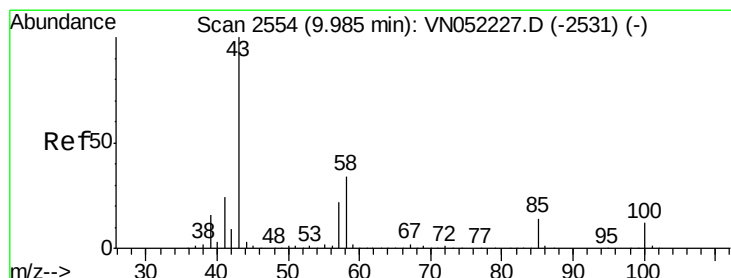
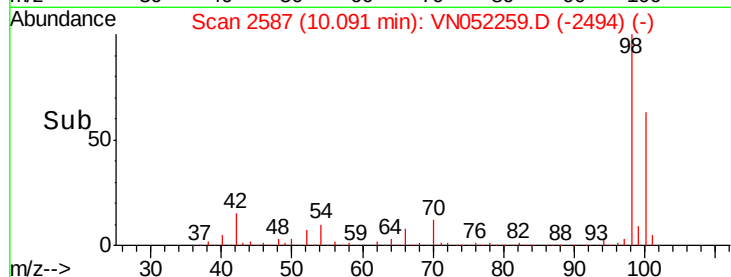
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.754 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN052259.D

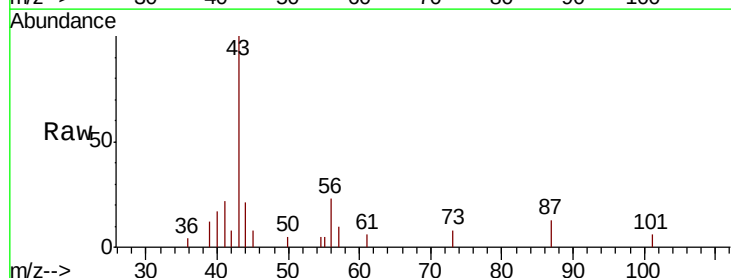
Acq: 12 Nov 2018 13:51

Tgt Ion: 43 Resp: 7229

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

4000

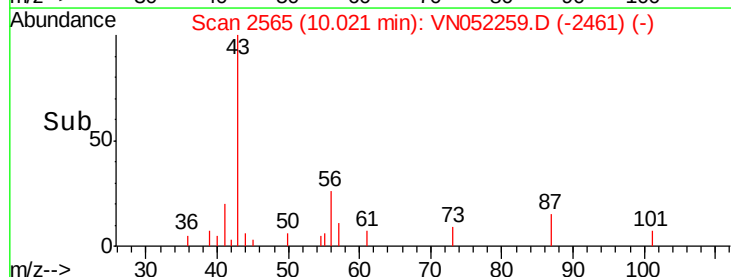
3000

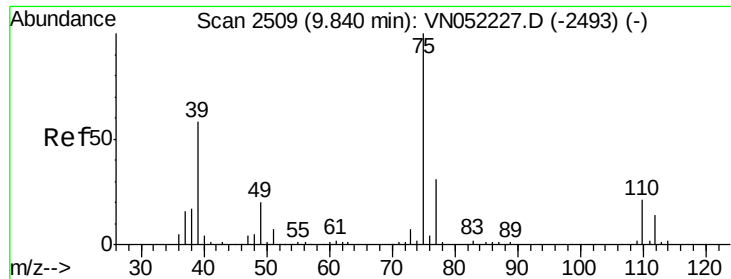
2000

1000

0

Time-->



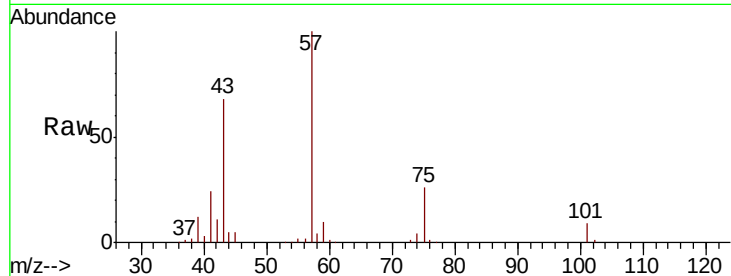


#54

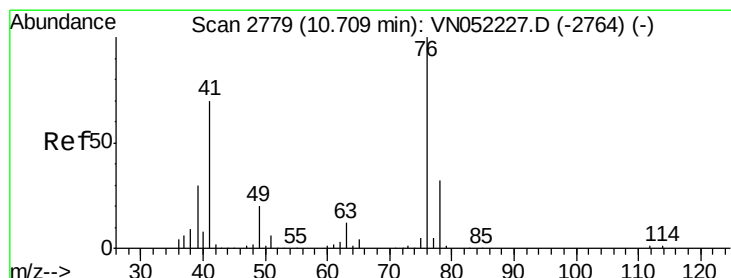
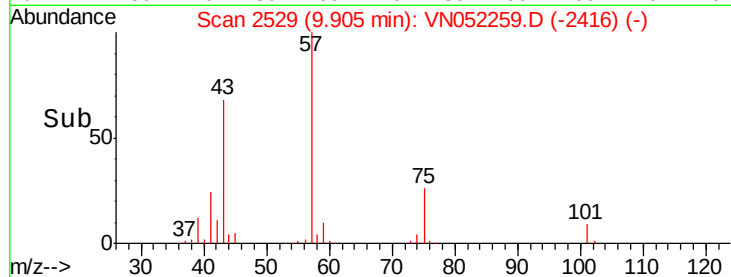
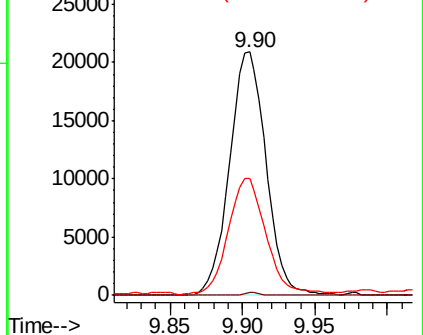
cis-1,3-Dichloropropene
 Concen: 5.797 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#03

Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.2	37.8#
39	47.2	46.6	70.0



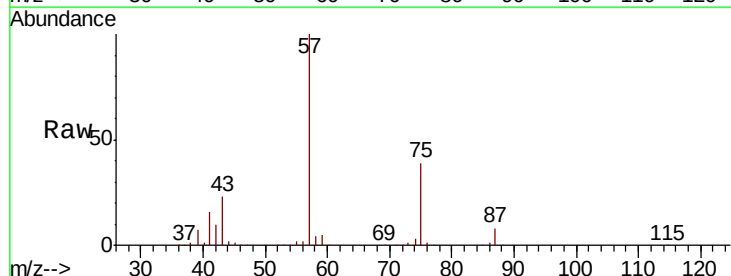
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



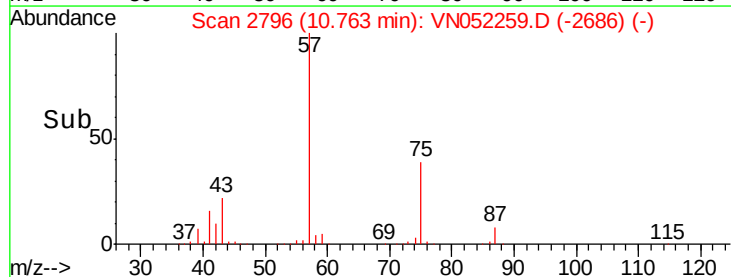
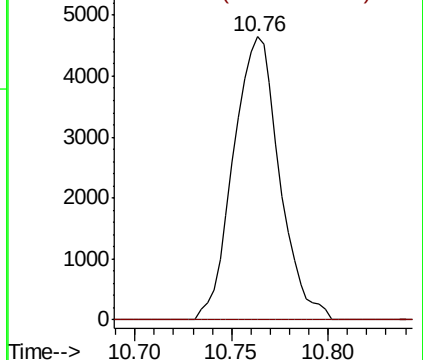
#57

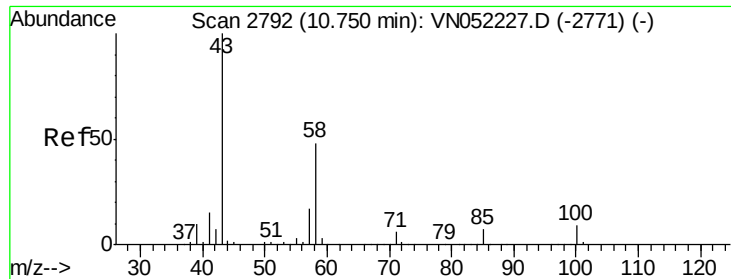
1,3-Dichloropropane
 Concen: 1.213 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

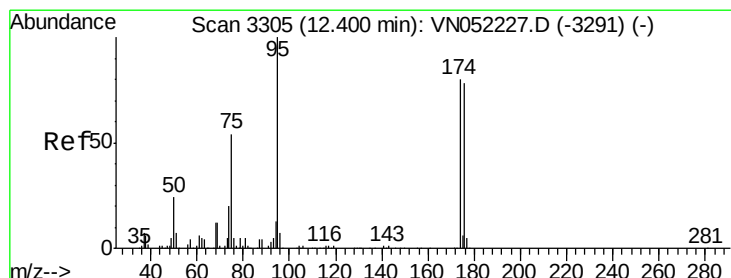
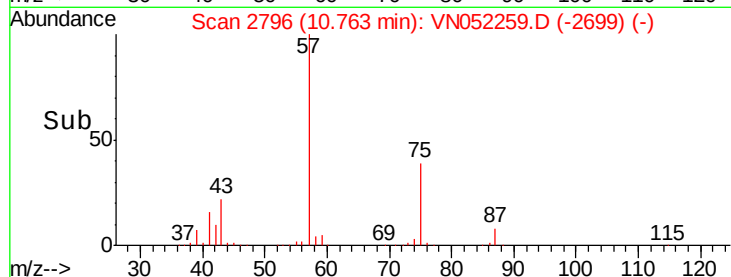
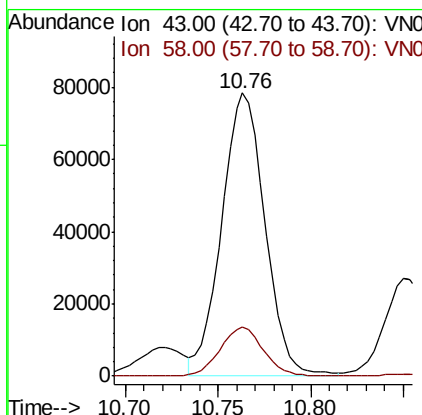
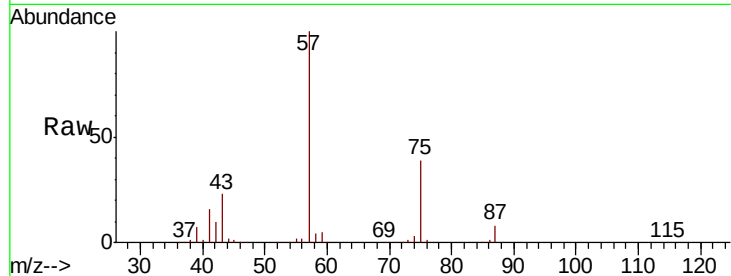




#59
2-Hexanone
Concen: 43.551 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

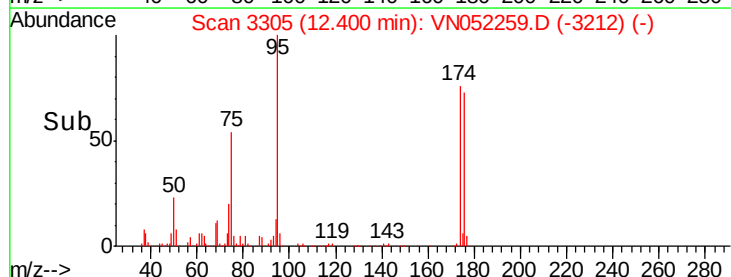
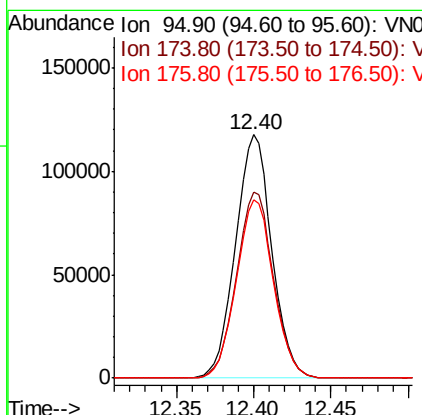
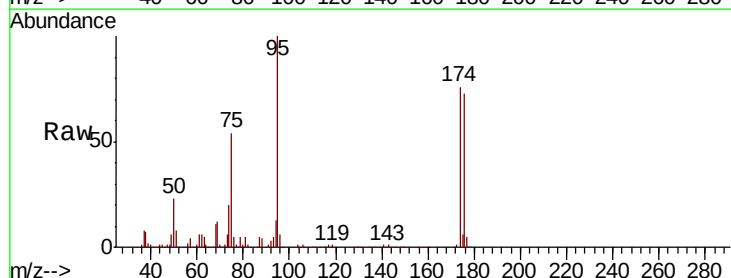
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#03

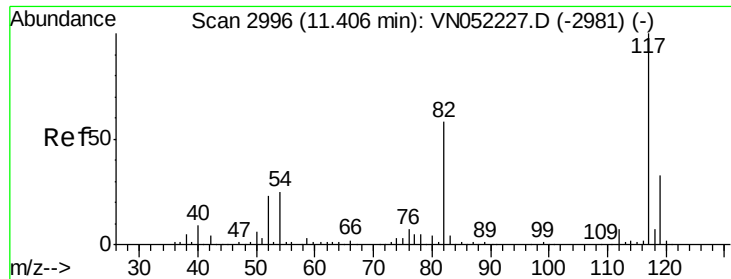
Tot Ion: 43 Resp: 126038
Ion Ratio Lower Upper
43 100
58 17.6 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Tgt Ion: 95 Resp: 191397
Ion Ratio Lower Upper
95 100
174 78.1 0.0 159.4
176 75.2 0.0 157.8

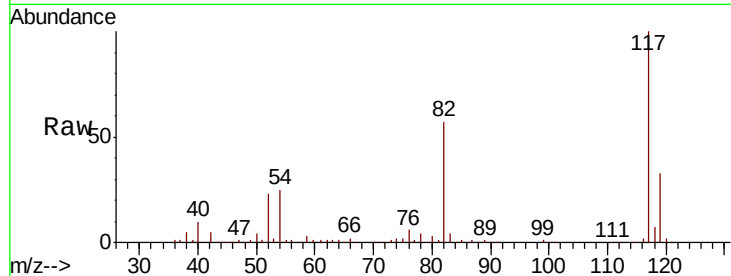




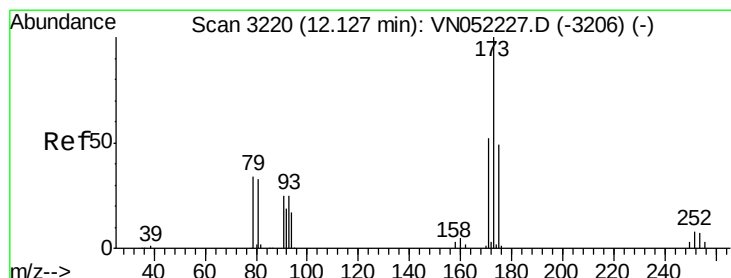
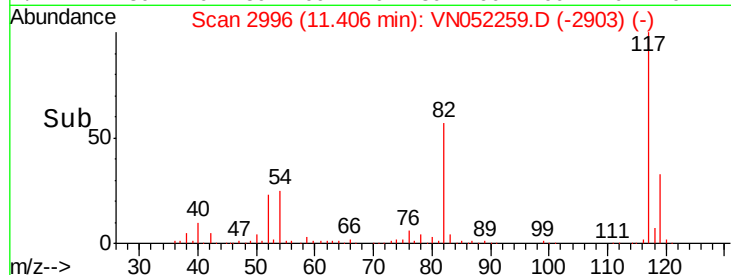
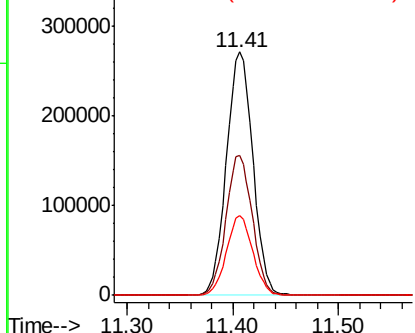
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#03

Tot Ion:117 Resp: 471080
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 33.0 26.2 39.4

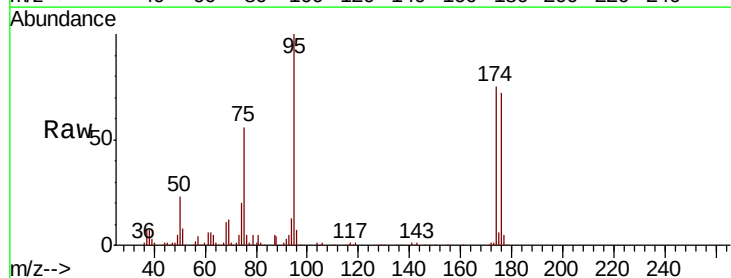


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

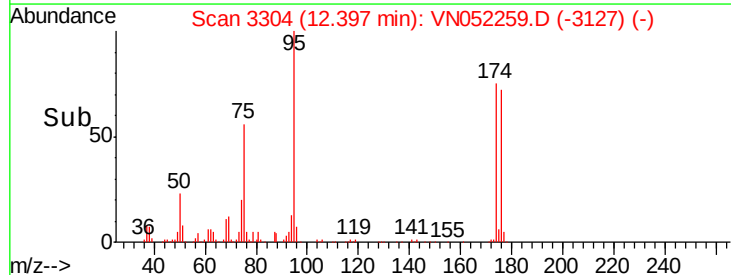
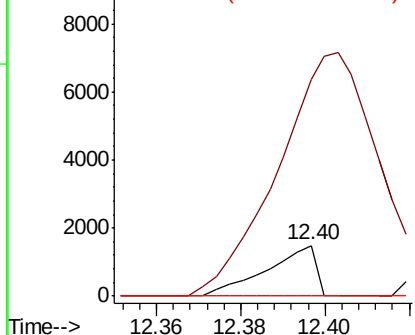


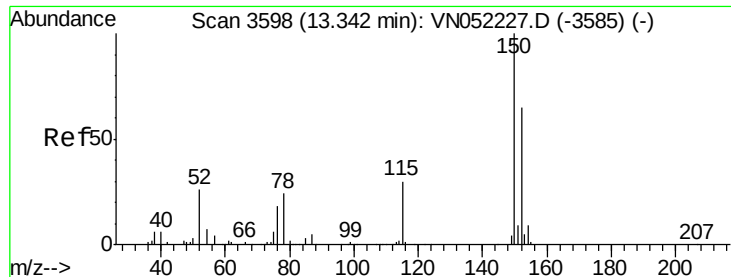
#71
Bromoform
Concen: 0.594 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Tgt Ion:173 Resp: 1199
Ion Ratio Lower Upper
173 100
175 883.2 24.5 73.5#
254 0.0 0.0 0.0



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



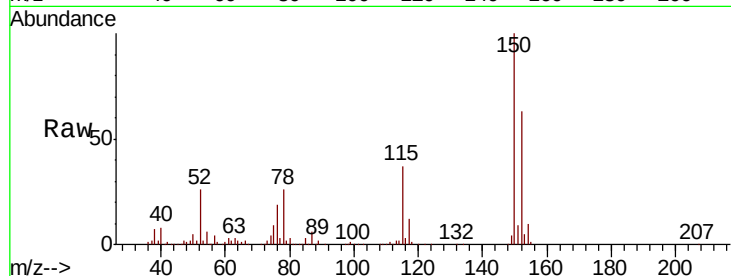


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#03

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.8	89.5
150	158.7	0.0	350.2

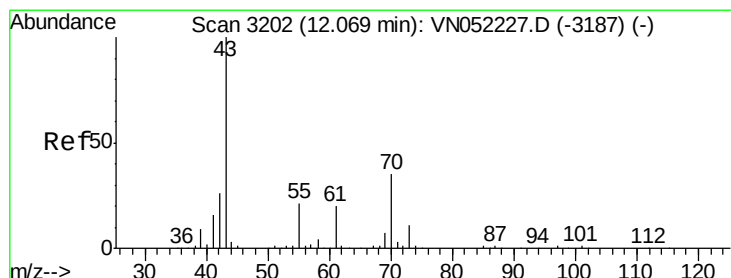
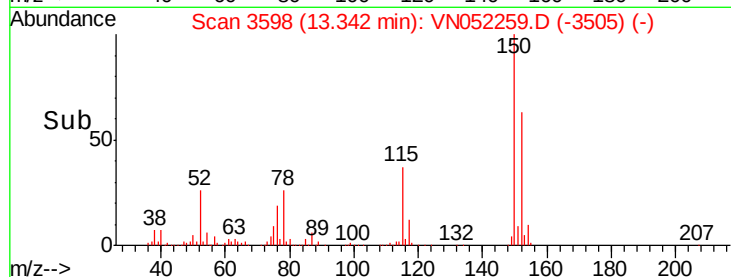
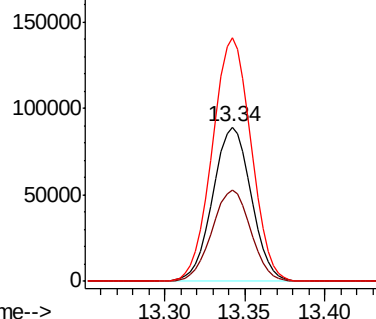


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

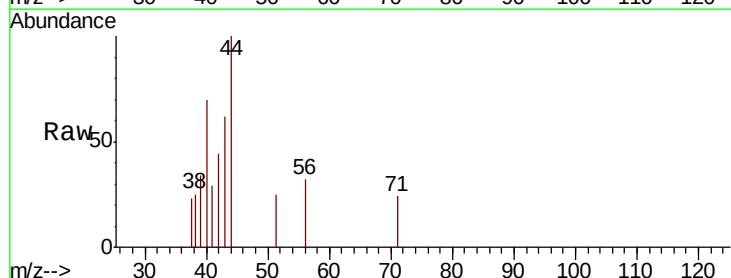
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 0.214 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN052259.D
Acq: 12 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.2	42.2#
55	0.0	17.4	26.2#
61	0.0	16.3	24.5#



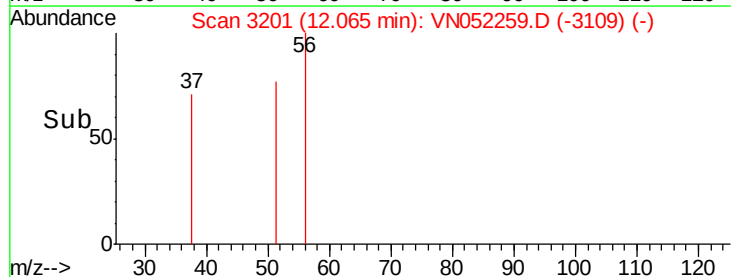
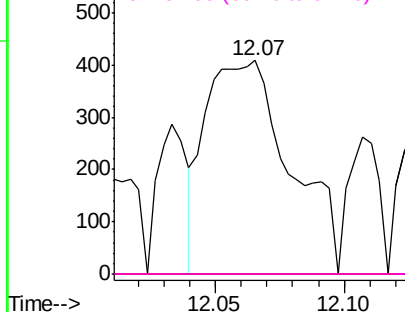
Abundance

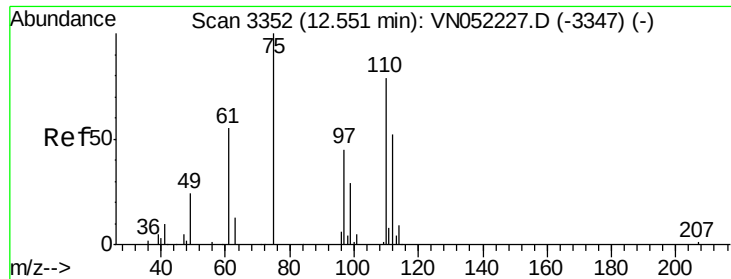
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

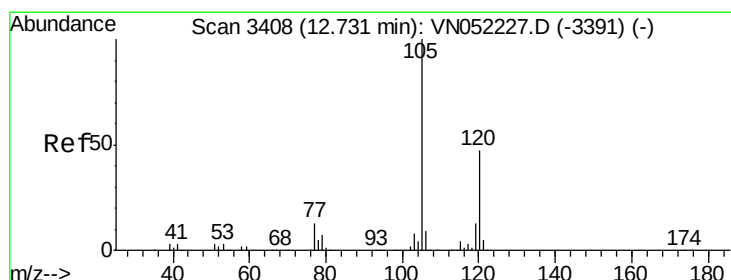
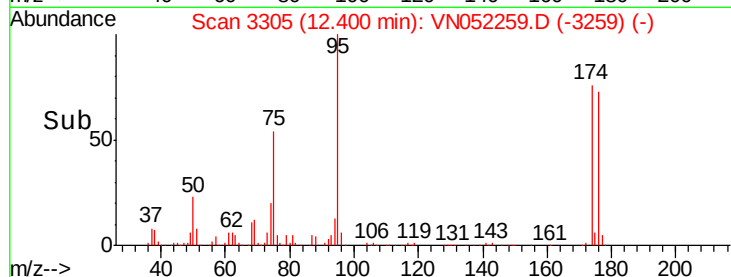
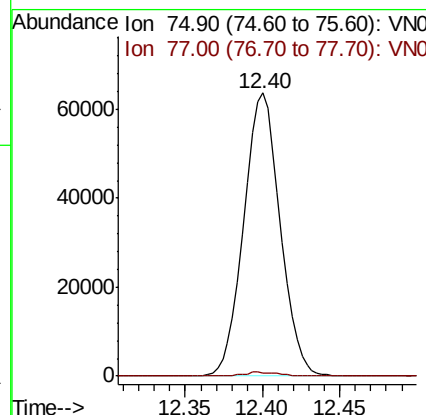
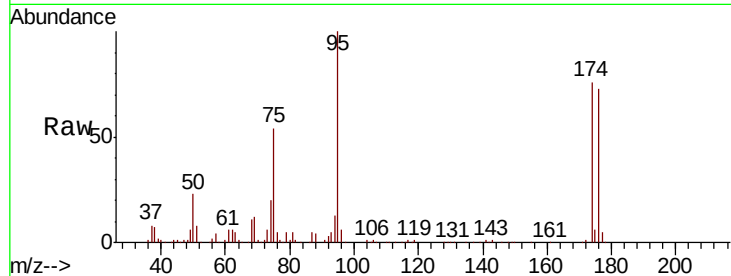




#76
 1,2,3-Trichloropropane
 Concen: 40.243 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

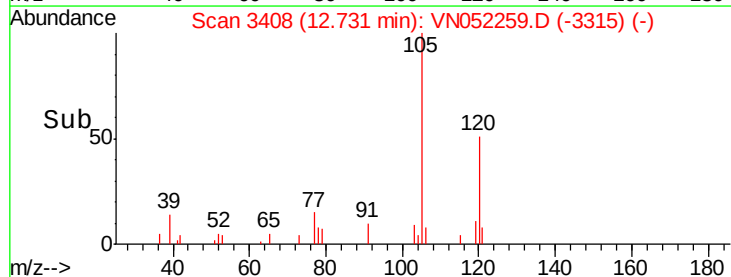
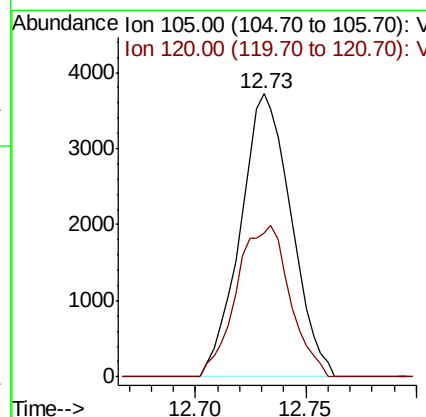
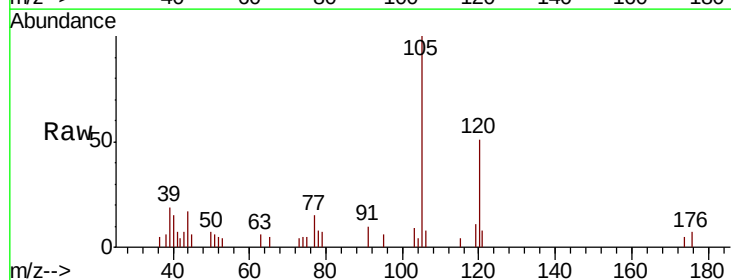
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#03

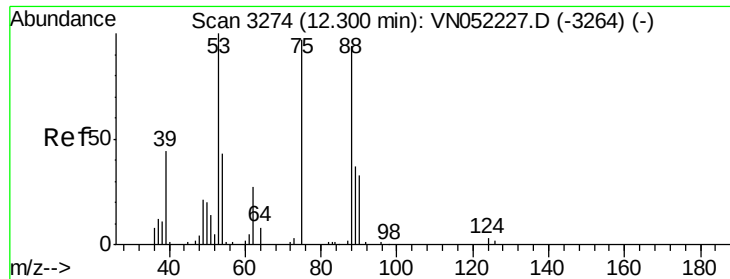
Tot Ion: 75 Resp: 104284
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.624 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052259.D
 Acq: 12 Nov 2018 13:51

Tgt Ion: 105 Resp: 5938
 Ion Ratio Lower Upper
 105 100
 120 56.2 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 137.368 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052259.D

Acq: 12 Nov 2018 13:51

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#03

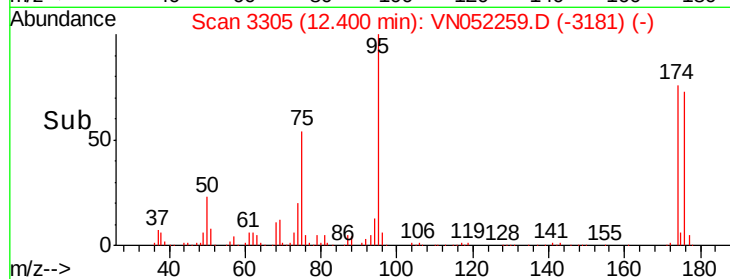
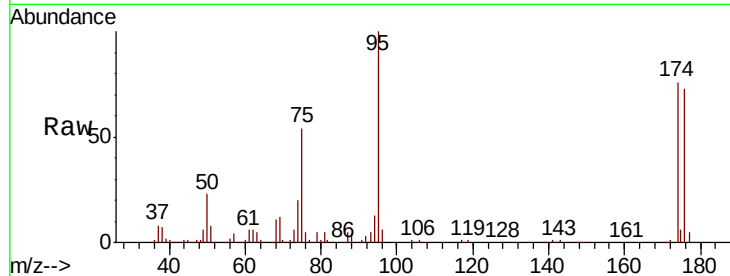
Tot Ion: 75 Resp: 104284

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

89 0.0 33.7 50.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

