

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052269.D
 Acq On : 12 Nov 2018 18:18
 Operator : MD\SY
 Sample : PB114678ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#13

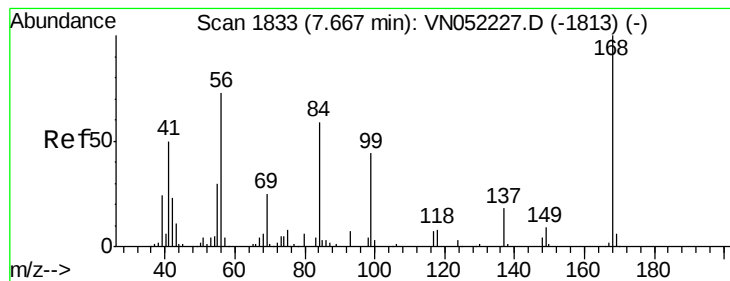
Quant Time: Nov 13 00:16:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	327533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	554487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161259	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	221097	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.59	113	173772	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.09	98	691953	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.40	95	196527	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	62	34.249	ug/l #	12
16) Acetone	3.82	43	7337	Below Cal		93
20) Methylene Chloride	4.56	84	6500	1.592	ug/l	86
25) 2-Butanone	6.84	43	654	0.342	ug/l #	52
31) Cyclohexane	7.66	56	8674	0.571	ug/l #	8
36) 1,1-Dichloropropene	7.67	75	29485	5.268	ug/l #	47
38) Carbon Tetrachloride	7.67	117	34533	6.809	ug/l #	17
43) Isopropyl Acetate	8.17	43	24847	3.386	ug/l #	92
48) Methyl methacrylate	9.18	41	5421	1.402	ug/l #	15
51) 4-Methyl-2-Pentanone	10.02	43	7838	1.934	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	40683	6.555	ug/l #	70
56) Ethyl methacrylate	10.54	69	976	0.207	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	8330	1.332	ug/l #	43
59) 2-Hexanone	10.76	43	140252	49.306	ug/l #	54
71) Bromoform	12.39	173	567	0.283	ug/l #	28
74) N-amyl acetate	11.88	43	15176	3.171	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	108416	37.999	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7350	0.701	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	108416	129.709	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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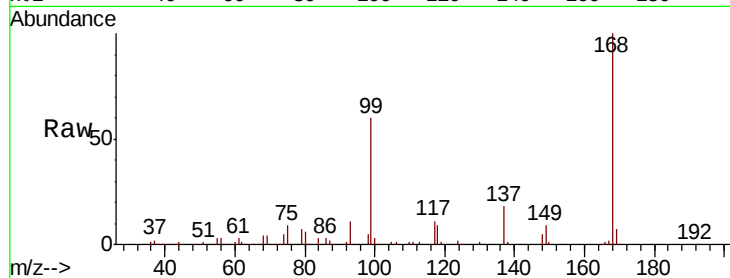
PB114678ZHE#13

Tot Ion:168 Resp: 327533

Ion Ratio Lower Upper

168 100

99 59.5 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

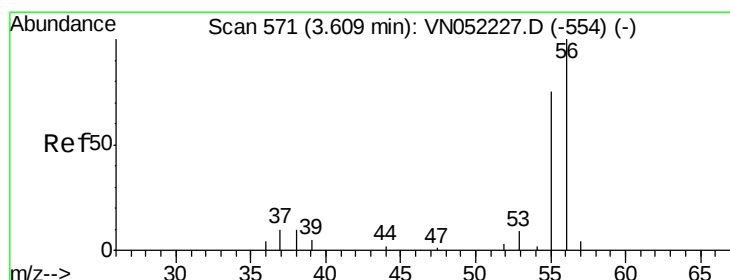
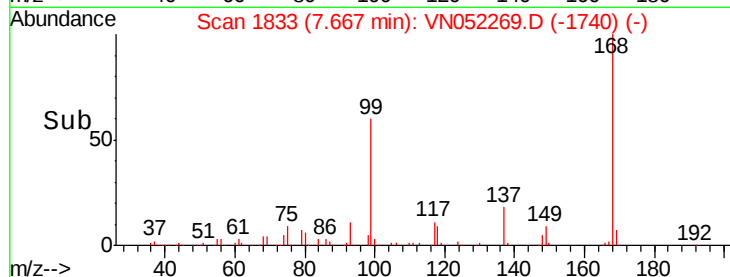
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 34.249 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.03 min

Lab File: VN052269.D

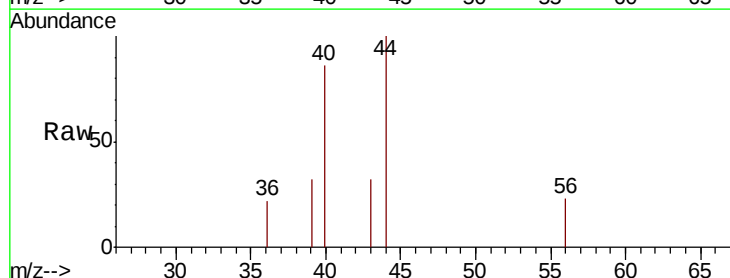
Acq: 12 Nov 2018 18:18

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

3.58

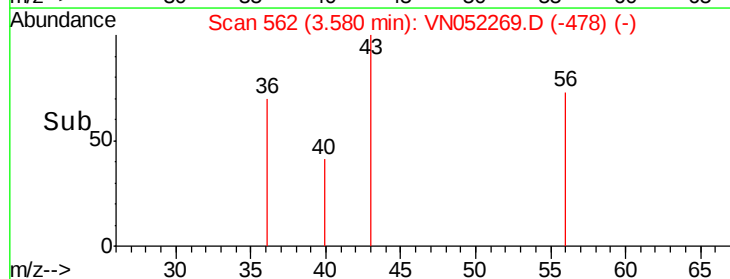
150

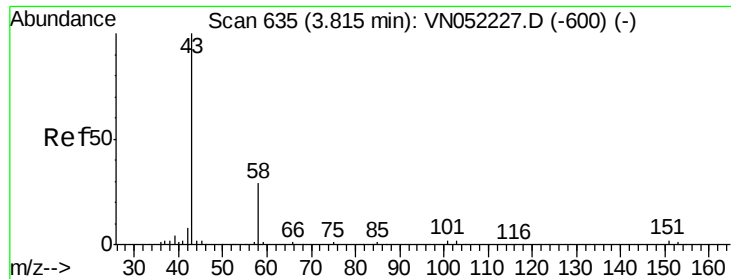
100

50

0

Time-->

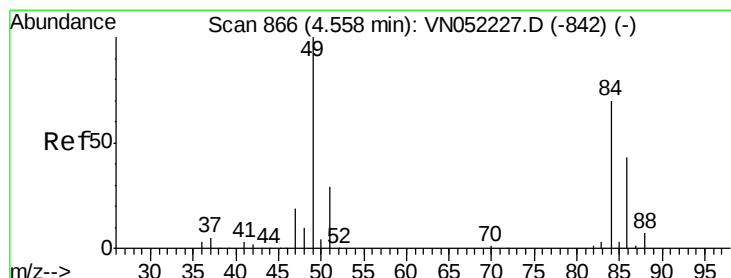
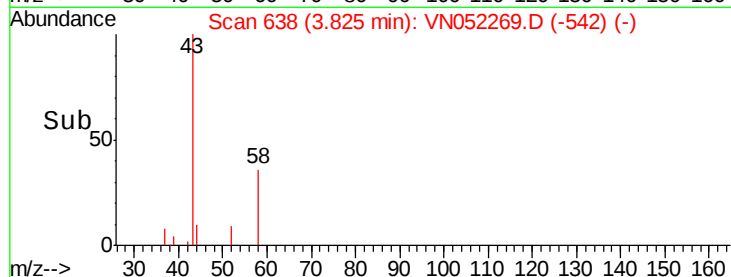
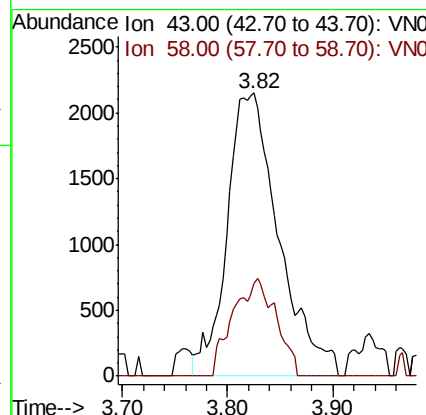
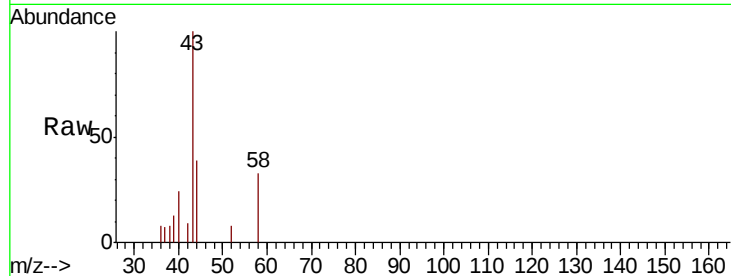




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

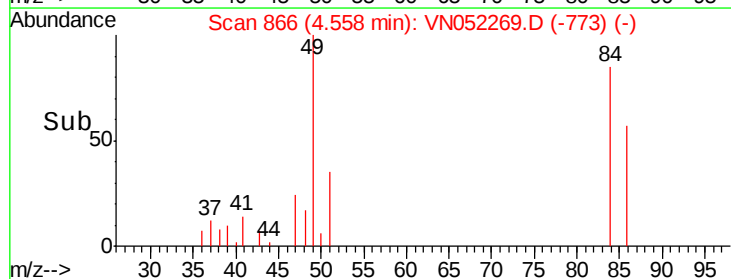
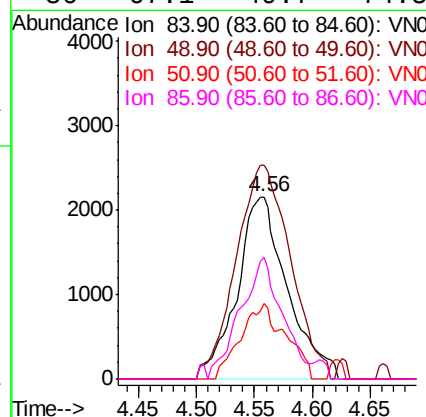
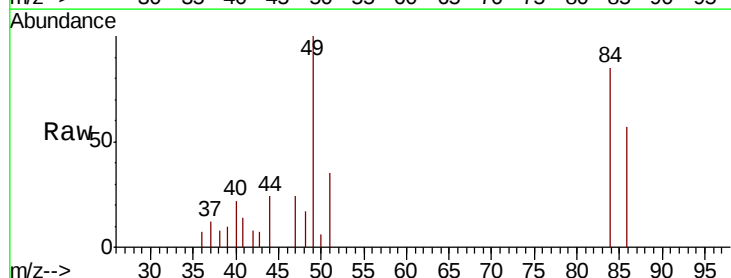
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#13

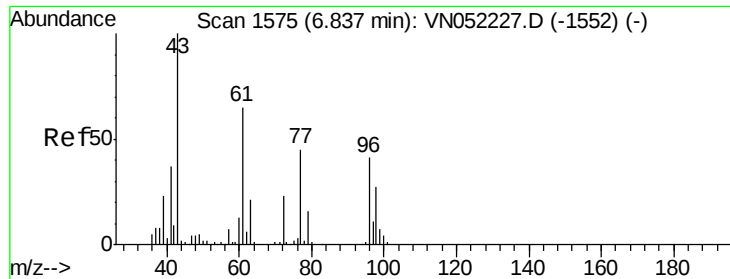
Tot Ion: 43 Resp: 7337
Ion Ratio Lower Upper
43 100
58 32.6 23.0 34.6



#20
Methylene Chloride
Concen: 1.592 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Tgt Ion: 84 Resp: 6500
Ion Ratio Lower Upper
84 100
49 117.5 114.8 172.2
51 41.4 33.1 49.7
86 67.1 49.7 74.5

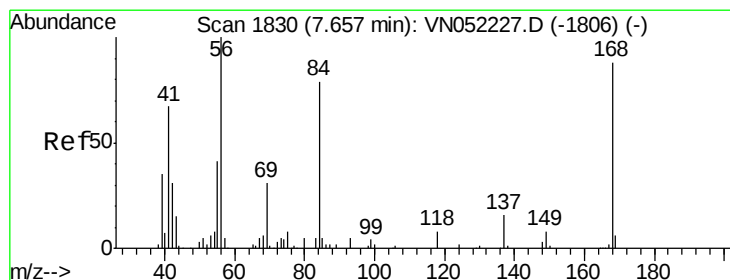
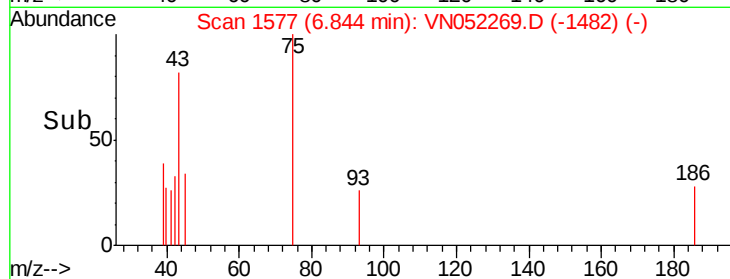
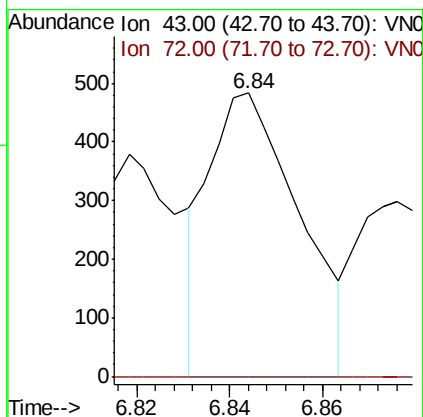
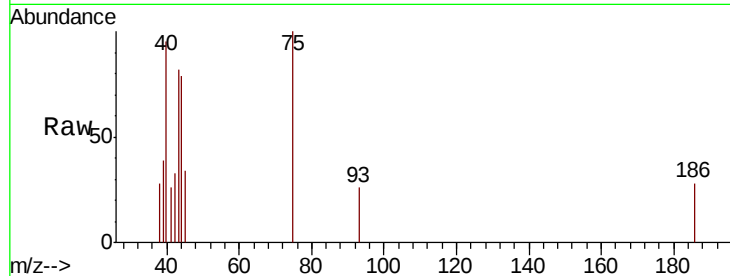




#25
2-Butanone
Concen: 0.342 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

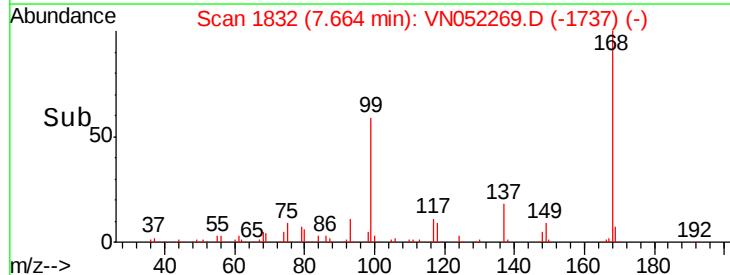
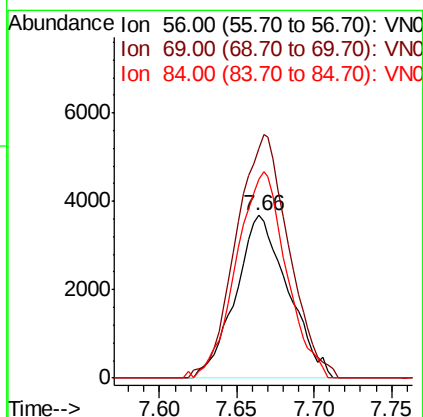
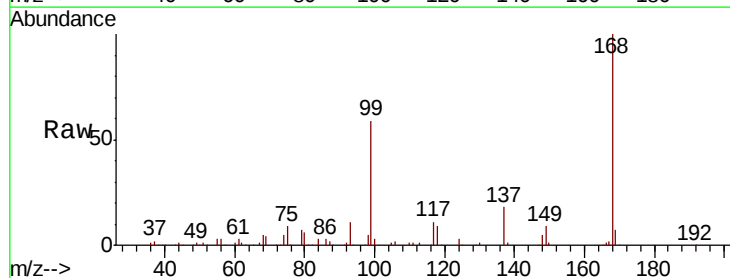
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#13

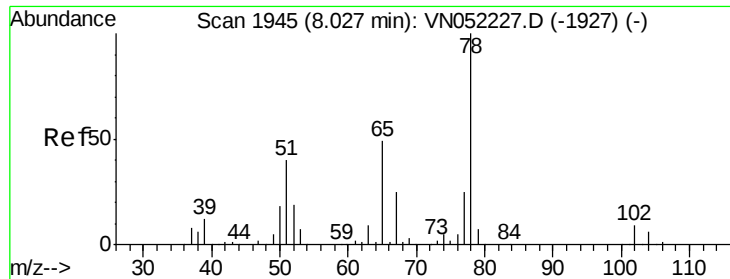
Tot Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 0.571 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Tgt Ion: 56 Resp: 8674
Ion Ratio Lower Upper
56 100
69 141.0 24.8 37.2#
84 122.7 63.1 94.7#

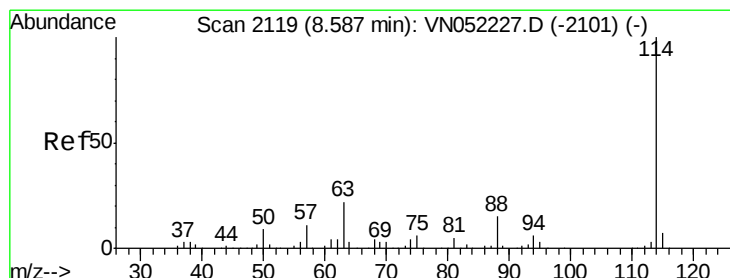
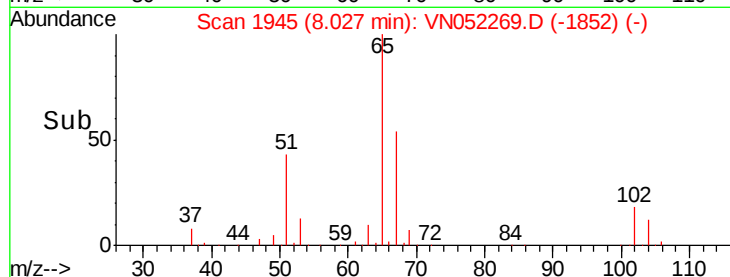
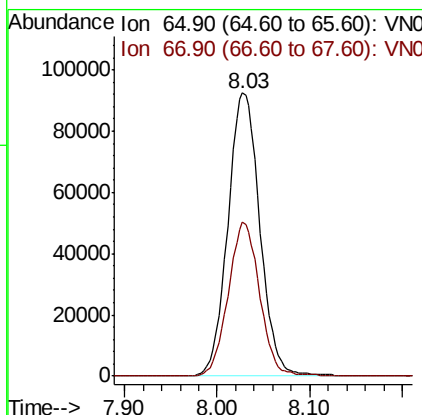
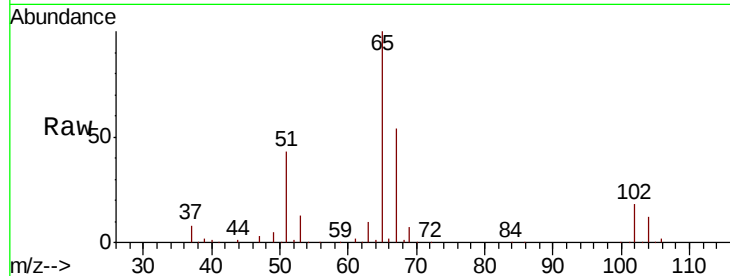




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052269.D
 Acq: 12 Nov 2018 18:18

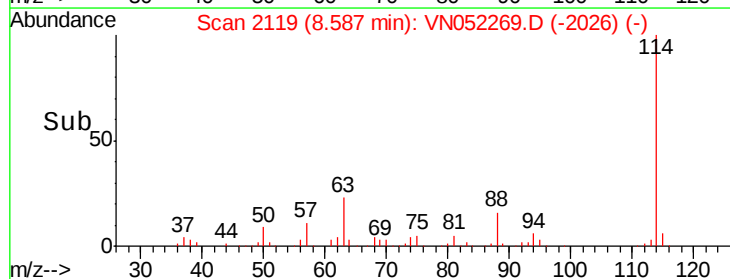
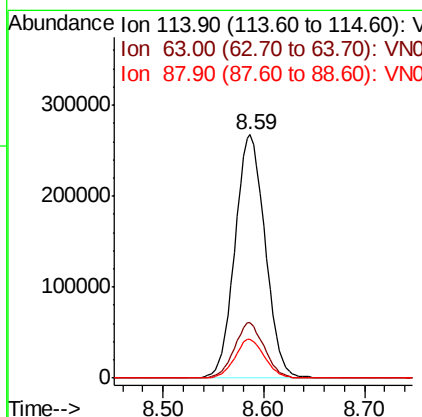
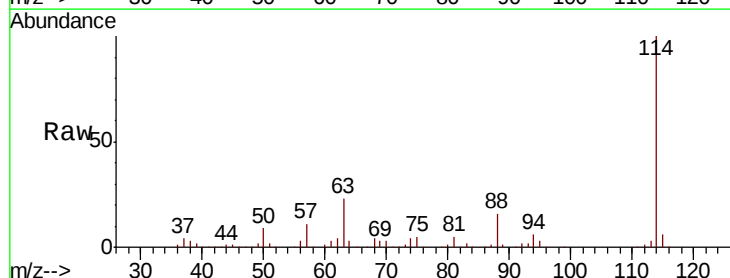
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#13

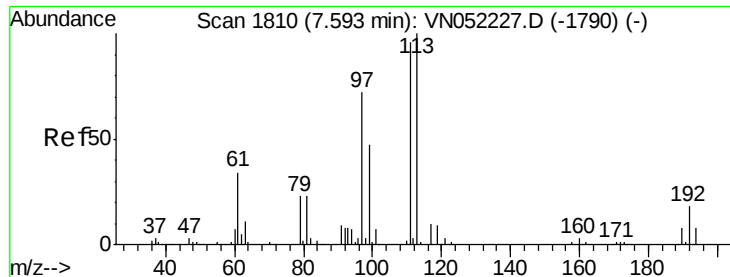
Tot Ion: 65 Resp: 221097
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052269.D
 Acq: 12 Nov 2018 18:18

Tgt Ion: 114 Resp: 554487
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.4
 88 15.9 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: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#13

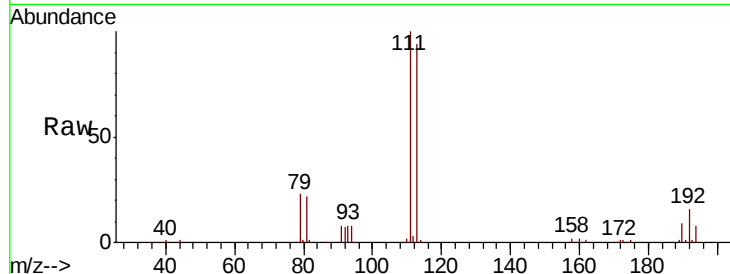
Tot Ion:113 Resp: 173772

Ion Ratio Lower Upper

113 100

111 104.9 80.2 120.4

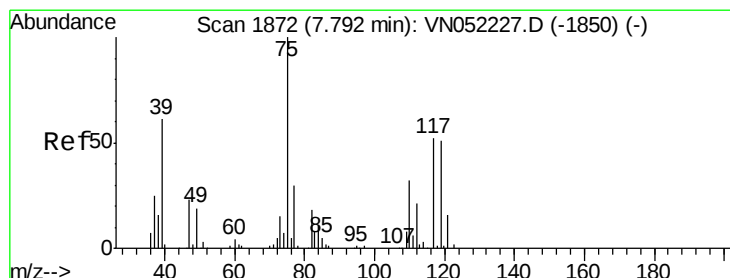
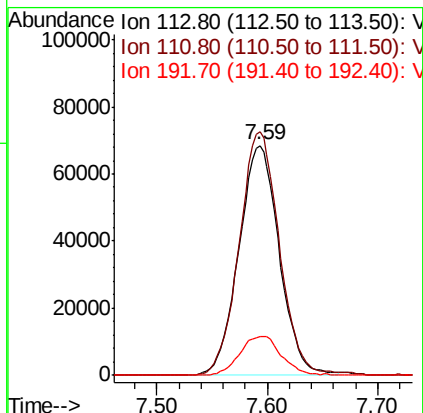
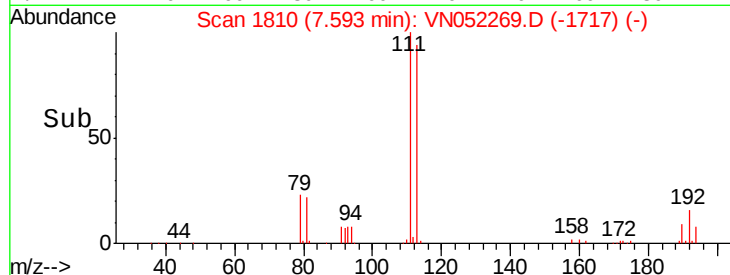
192 17.7 14.1 21.1



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: 5.268 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

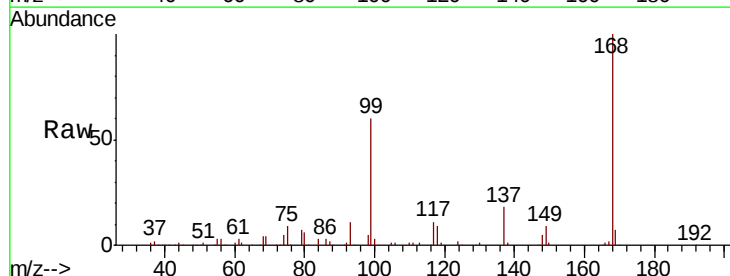
Tgt Ion: 75 Resp: 29485

Ion Ratio Lower Upper

75 100

110 4.0 16.4 49.4#

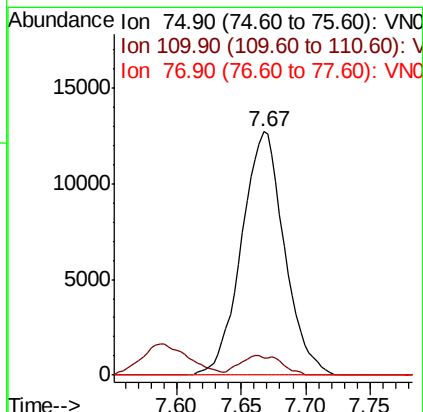
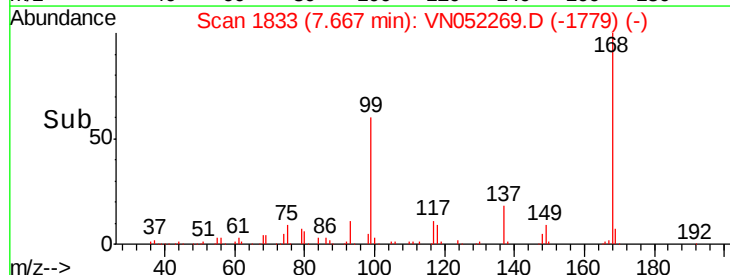
77 0.0 23.9 35.9#

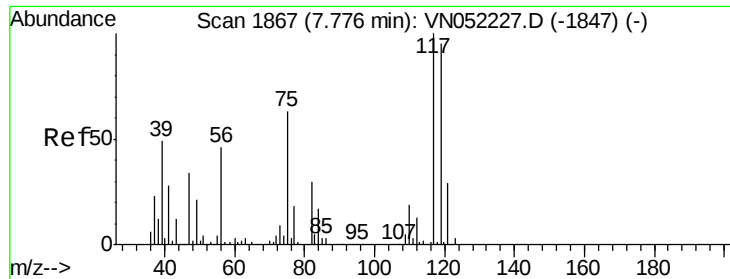


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

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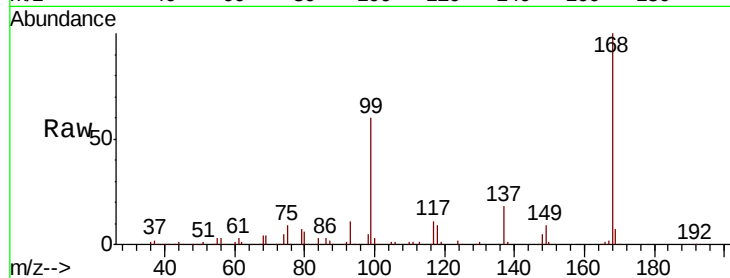
Tot Ion:117 Resp: 34533

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

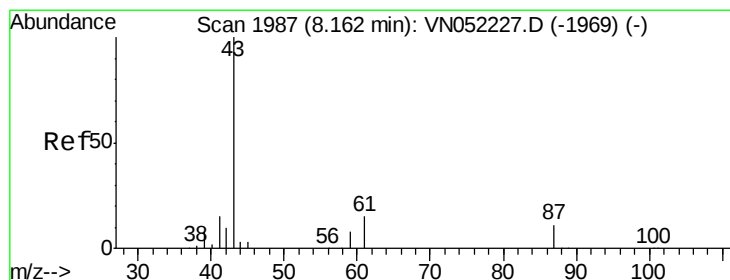
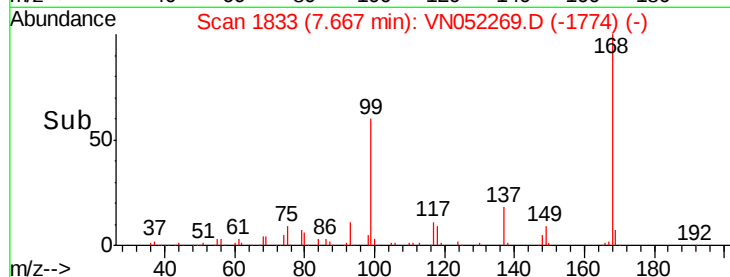
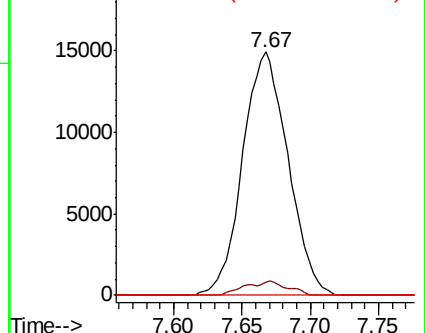
121 0.0 23.4 35.2#



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: 3.386 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

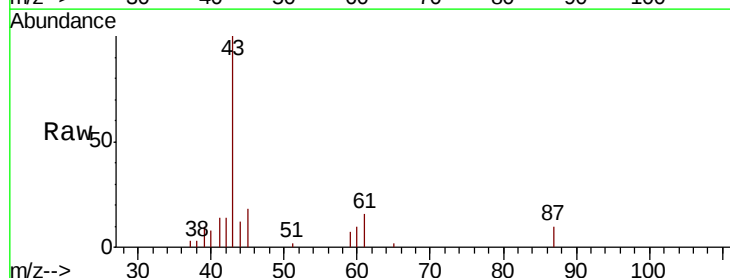
Tgt Ion: 43 Resp: 24847

Ion Ratio Lower Upper

43 100

61 13.5 14.2 21.4#

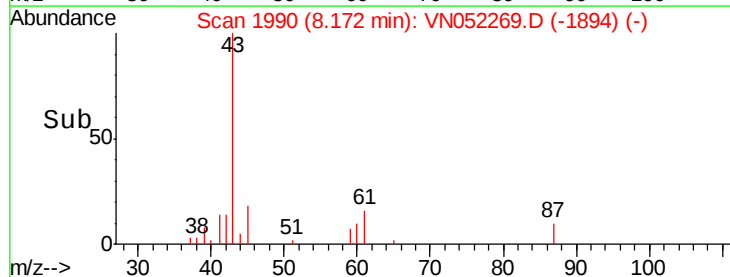
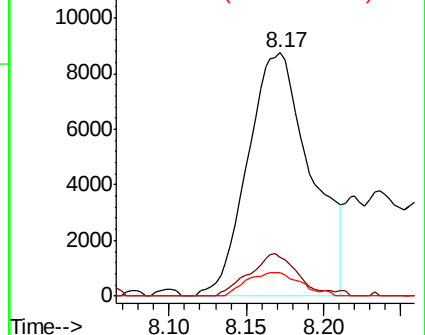
87 8.3 8.4 12.6#

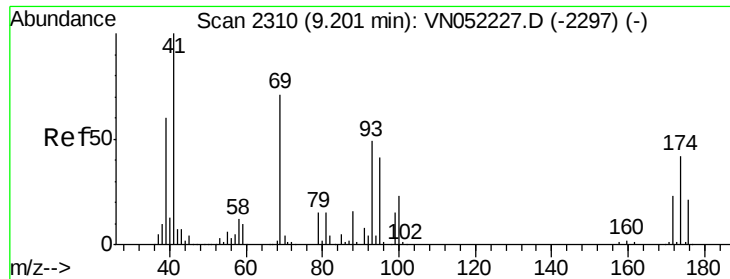


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

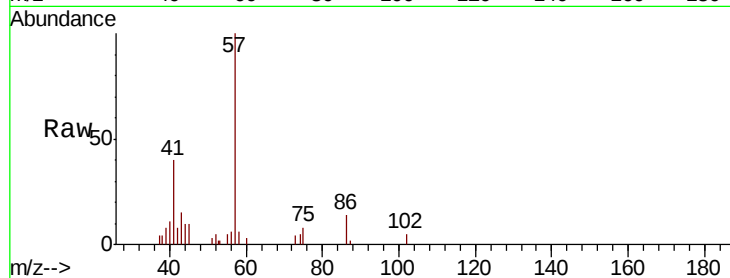




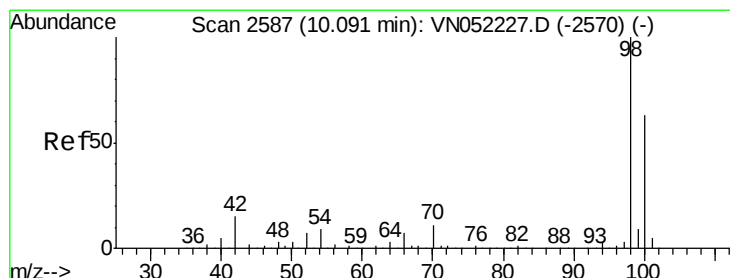
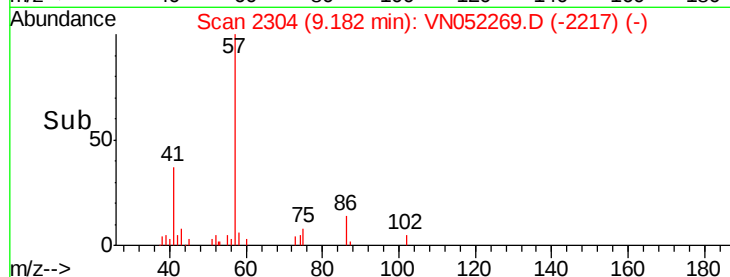
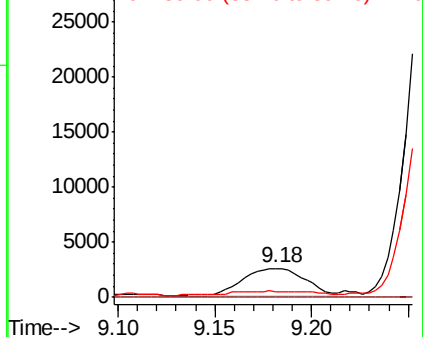
#48
Methvl methacrylate
Concen: 1.402 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#13

Tot Ion: 41 Resp: 5421
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 0.0 50.7 76.1#

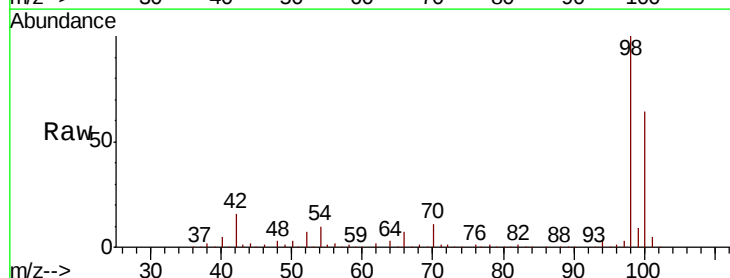


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

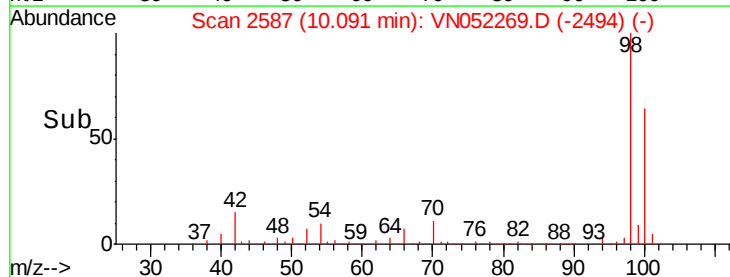
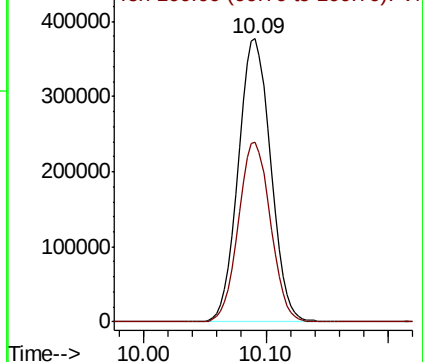


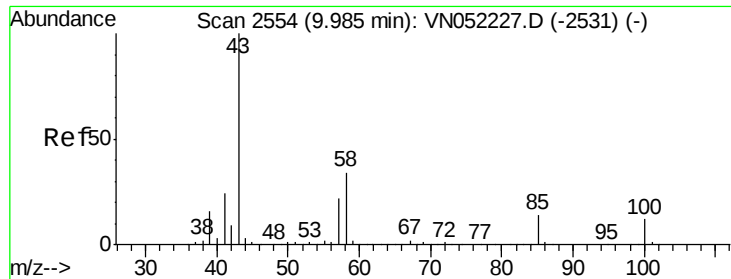
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Tgt Ion: 98 Resp: 691953
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2



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: 1.934 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

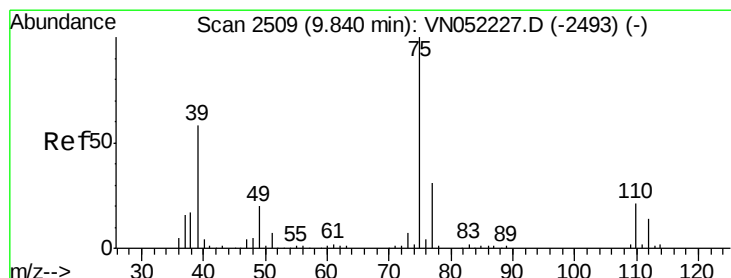
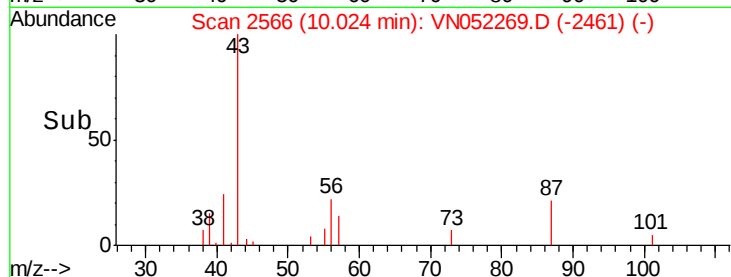
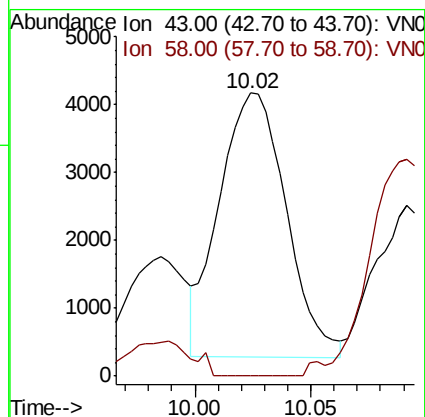
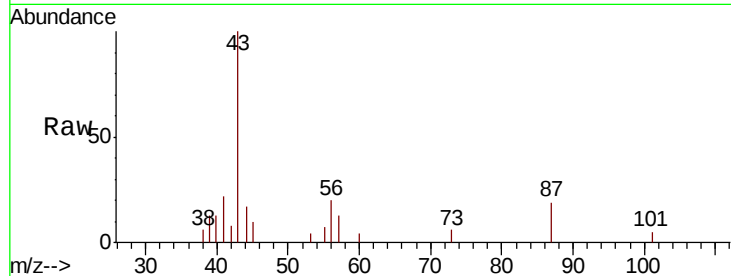
PB114678ZHE#13

Tot Ion: 43 Resp: 7838

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



#54

cis-1,3-Dichloropropene

Concen: 6.555 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

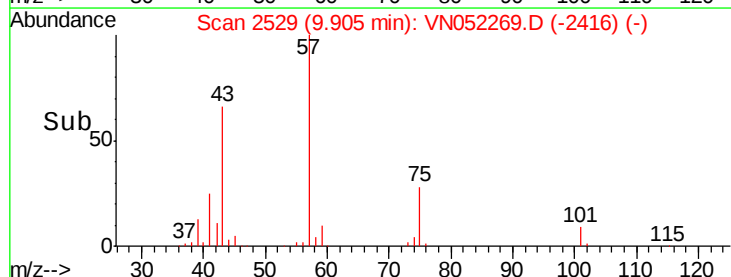
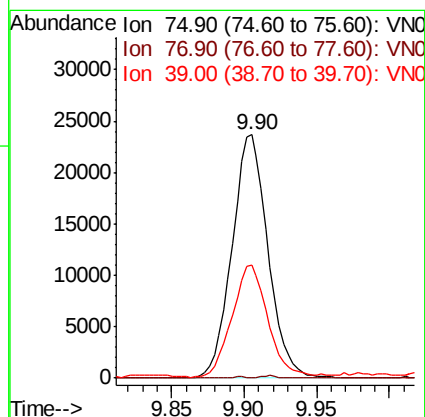
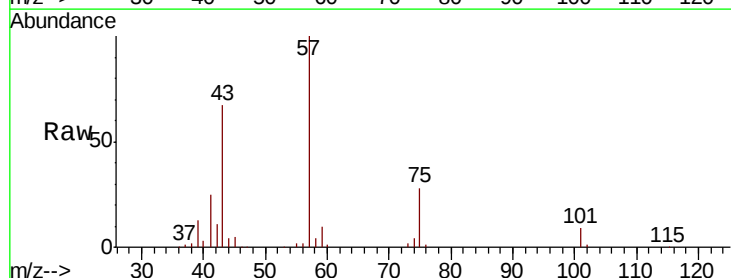
Tgt Ion: 75 Resp: 40683

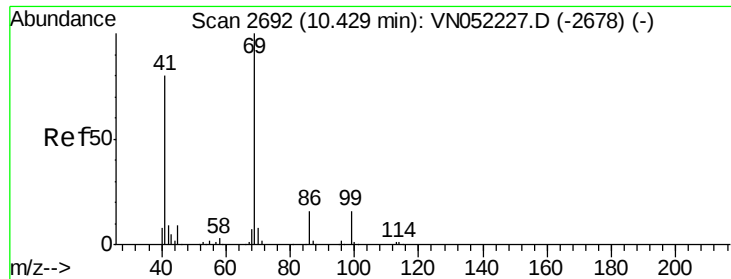
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 46.7 46.6 70.0





#56

Ethyl methacrylate

Concen: 0.207 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#13

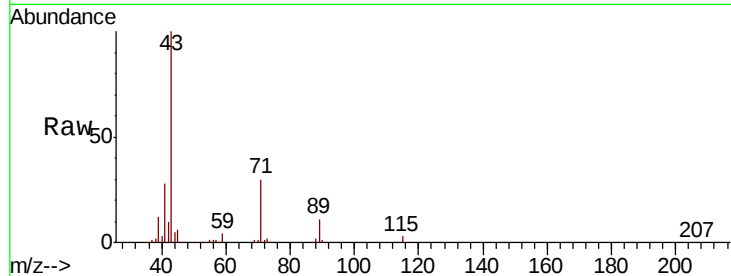
Tot Ion: 69 Resp: 976

Ion Ratio Lower Upper

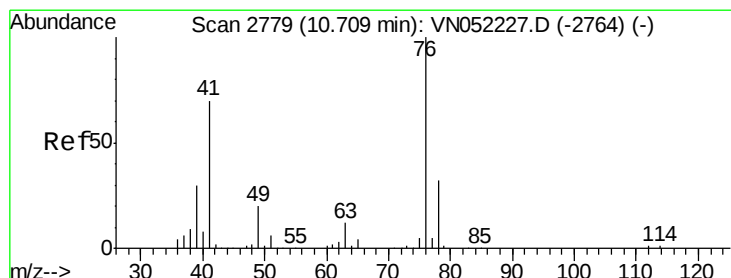
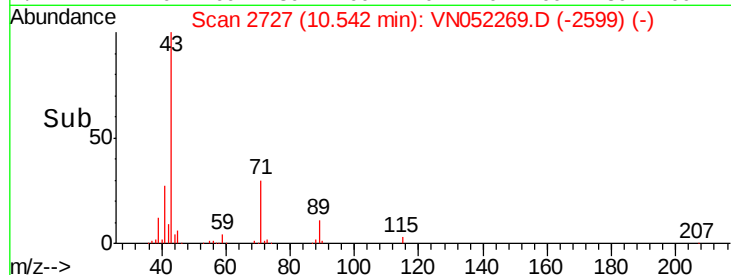
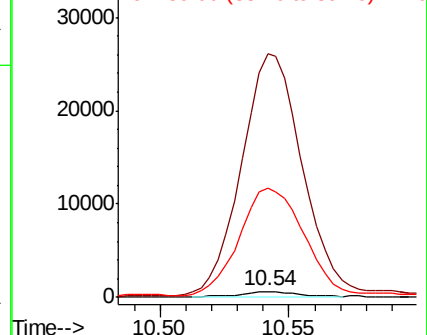
69 100

41 4496.1 64.0 96.0#

39 2061.8 37.8 56.8#



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: 1.332 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052269.D

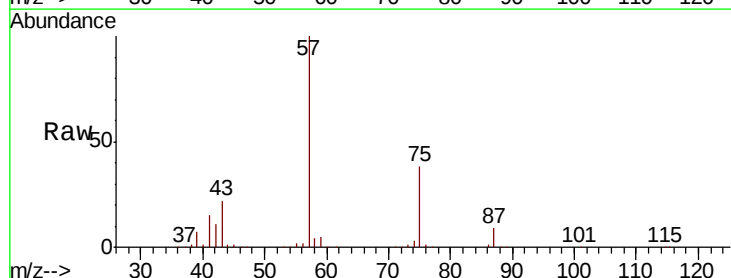
Acq: 12 Nov 2018 18:18

Tgt Ion: 76 Resp: 8330

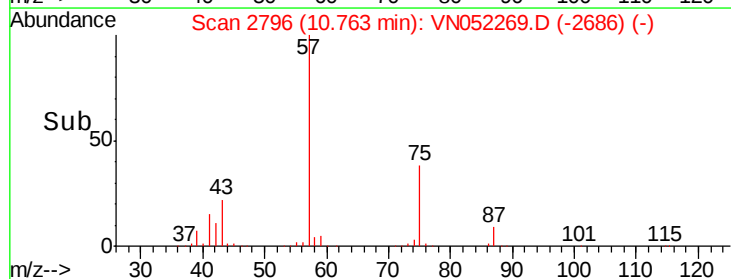
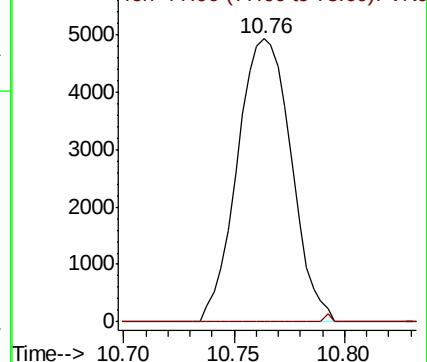
Ion Ratio Lower Upper

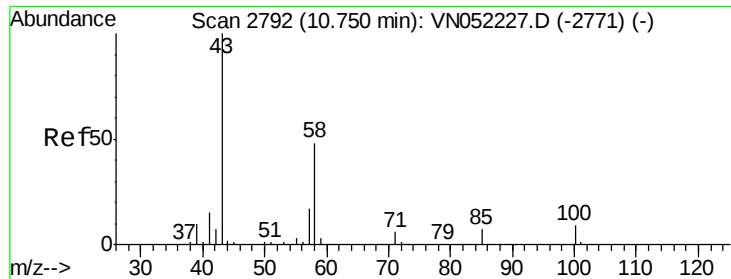
76 100

78 0.0 25.7 38.5#



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

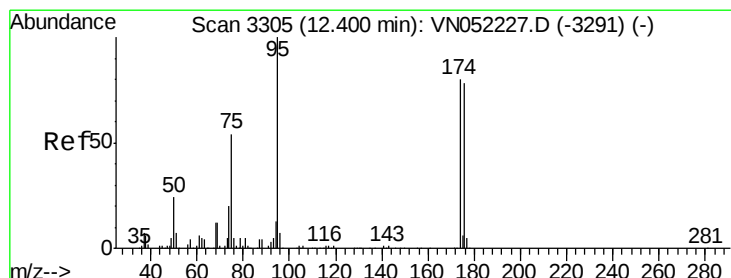
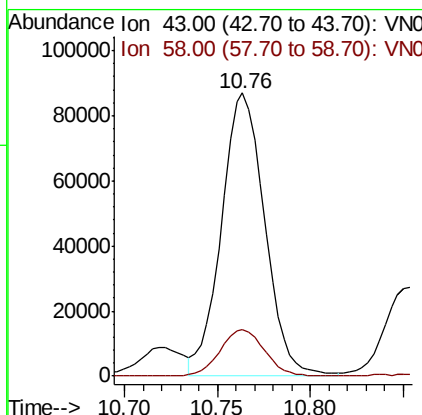
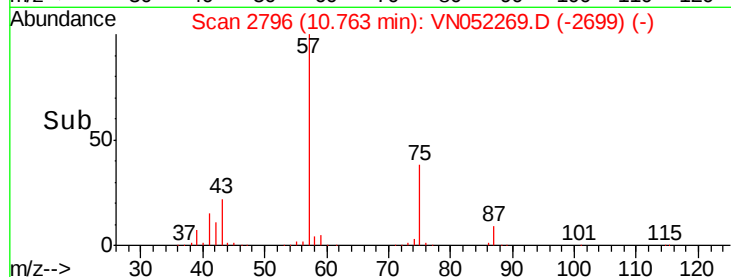
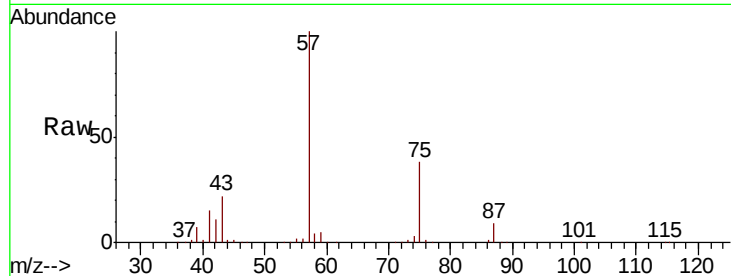




#59
2-Hexanone
Concen: 49.306 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

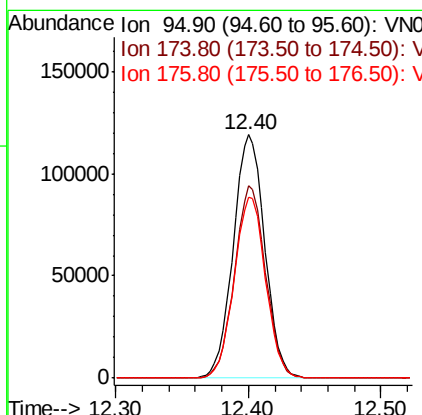
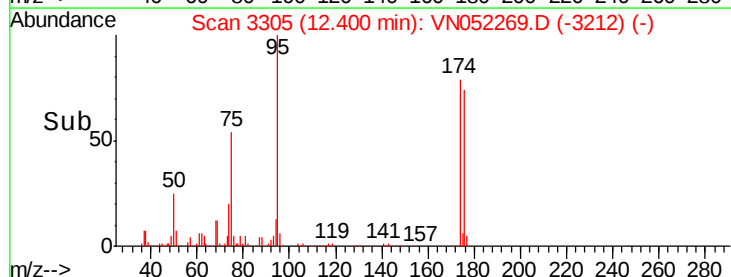
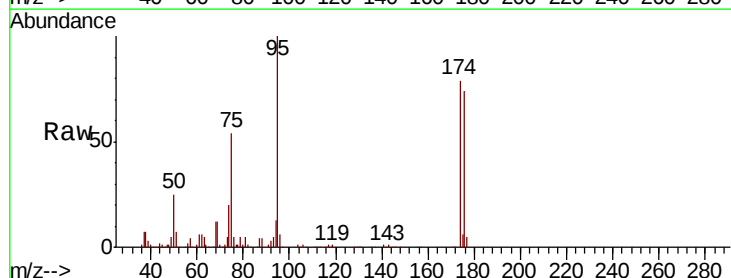
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#13

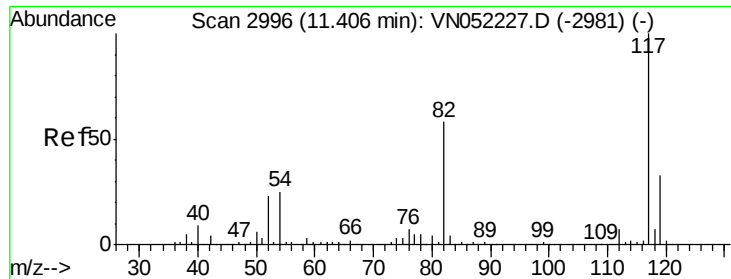
Tot Ion: 43 Resp: 140252
Ion Ratio Lower Upper
43 100
58 17.0 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Tgt Ion: 95 Resp: 196527
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 74.1 0.0 157.8

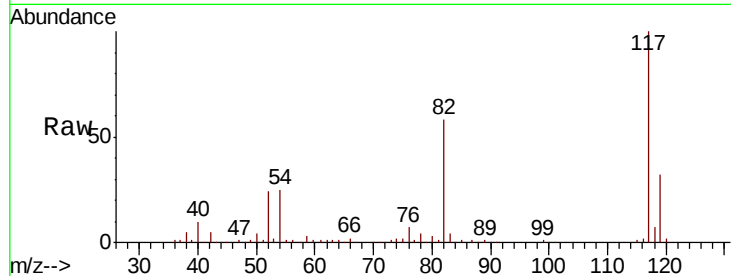




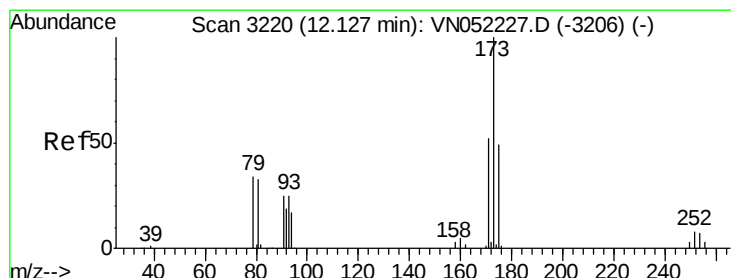
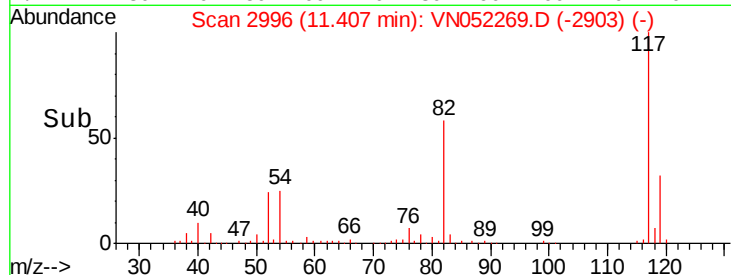
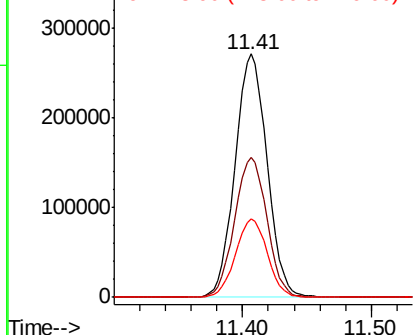
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#13

Tot Ion:117 Resp: 467211
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.2
119 32.2 26.2 39.4

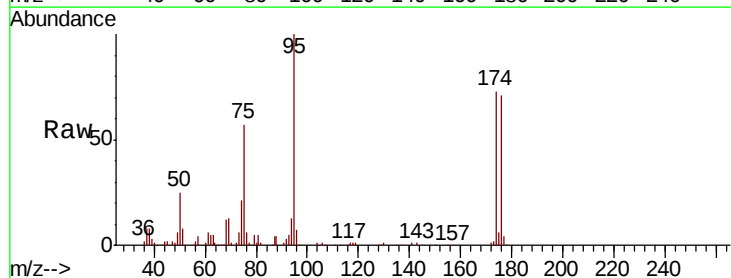


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

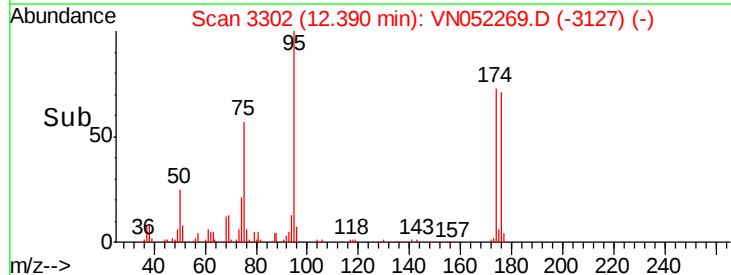
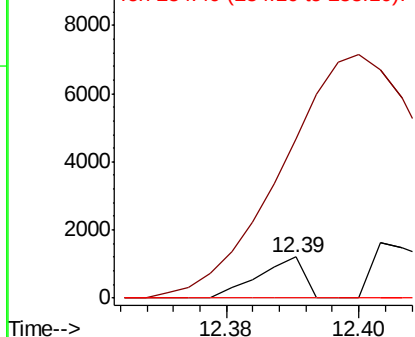


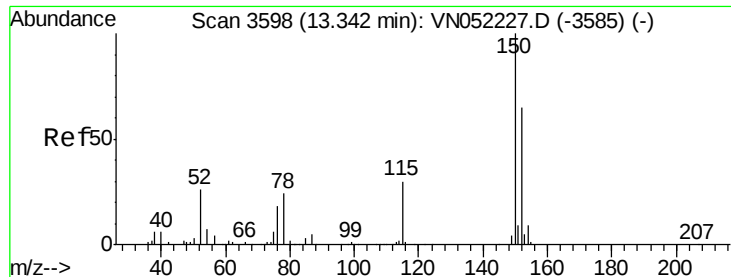
#71
Bromoform
Concen: 0.283 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052269.D
Acq: 12 Nov 2018 18:18

Tgt Ion:173 Resp: 567
Ion Ratio Lower Upper
173 100
175 0.0 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: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#13

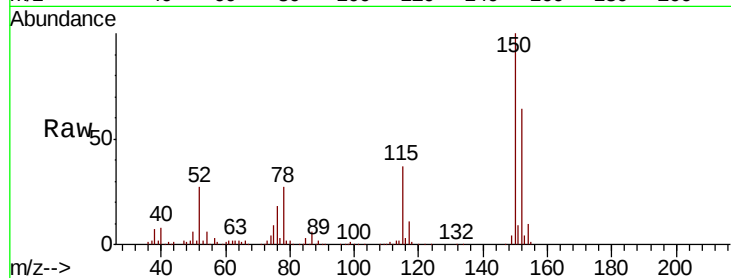
Tot Ion:152 Resp: 161259

Ion Ratio Lower Upper

152 100

115 59.3 29.8 89.5

150 156.7 0.0 350.2

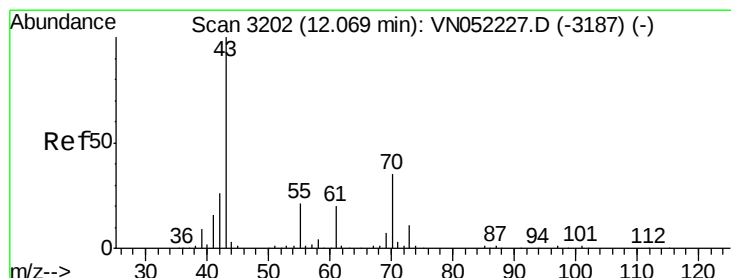
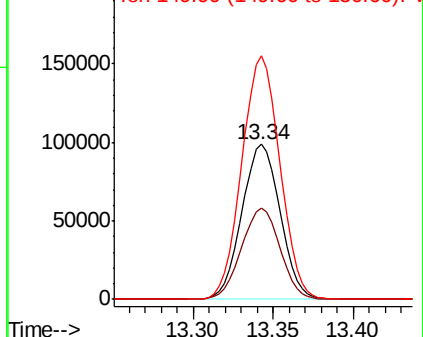
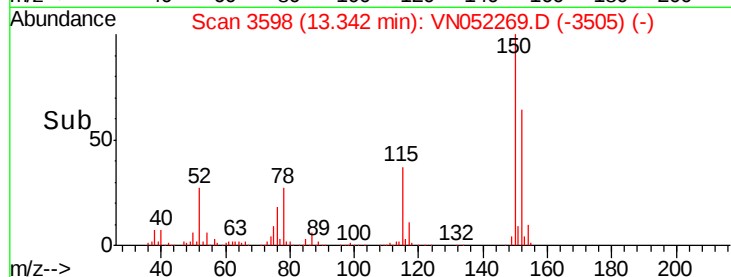


Abundance

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: 3.171 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Tgt Ion: 43 Resp: 15176

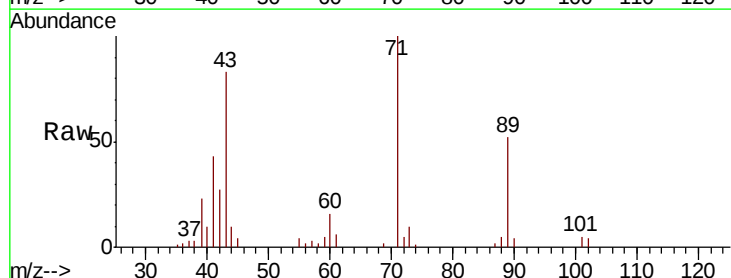
Ion Ratio Lower Upper

43 100

70 0.6 28.2 42.2#

55 5.3 17.4 26.2#

61 9.6 16.3 24.5#



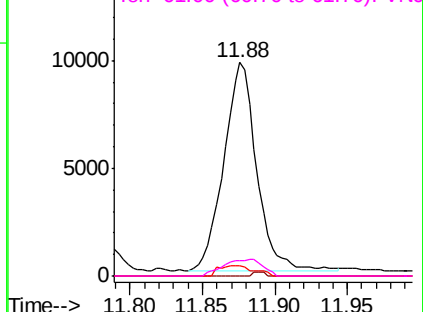
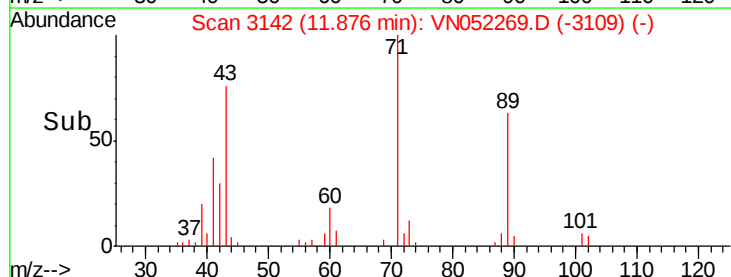
Abundance

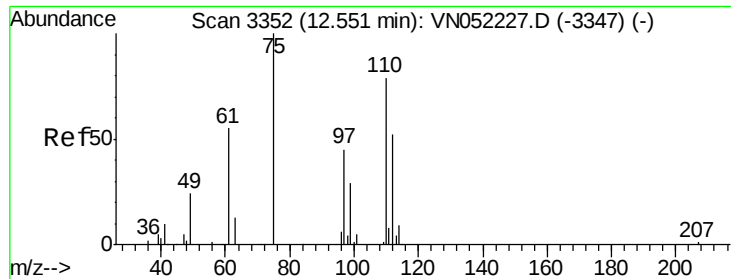
Ion 43.00 (42.70 to 43.70): V

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: 37.999 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

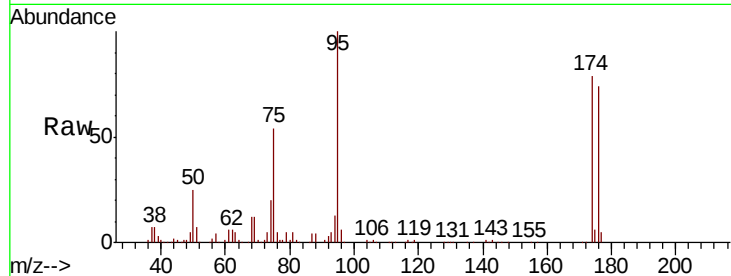
PB114678ZHE#13

Tot Ion: 75 Resp: 108416

Ion Ratio Lower Upper

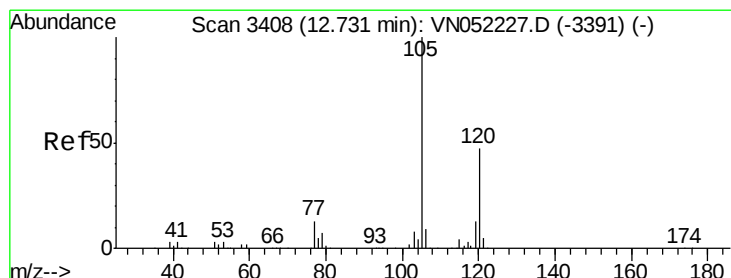
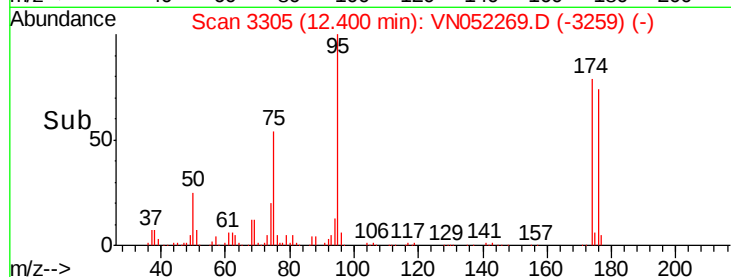
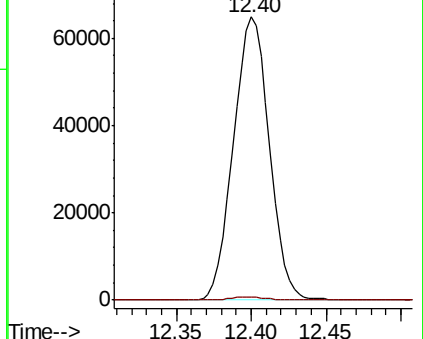
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.701 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052269.D

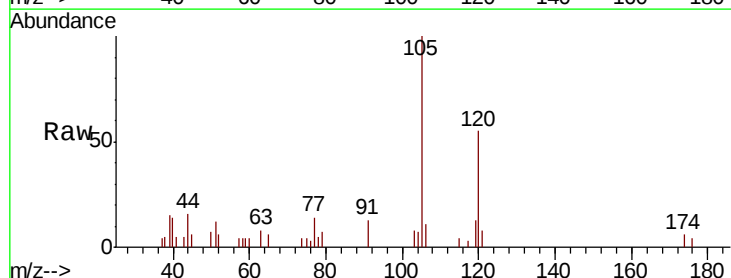
Acq: 12 Nov 2018 18:18

Tgt Ion: 105 Resp: 7350

Ion Ratio Lower Upper

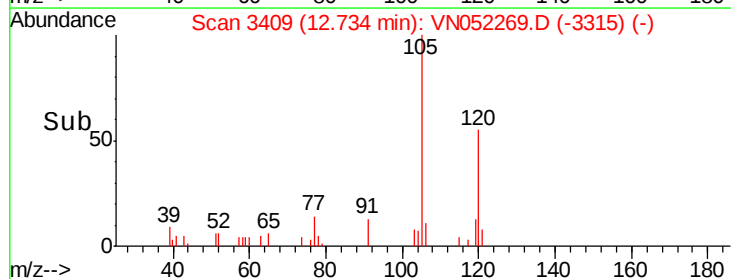
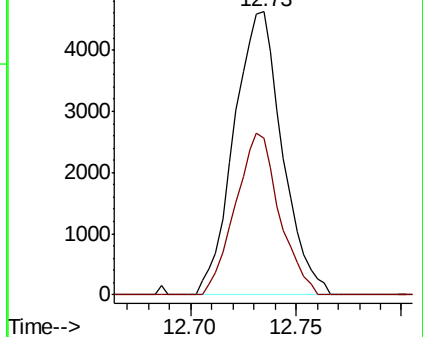
105 100

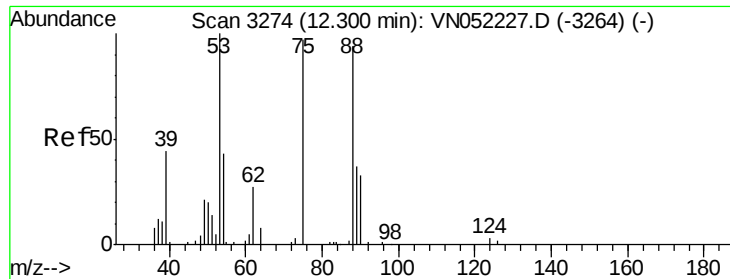
120 51.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 129.709 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052269.D

Acq: 12 Nov 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#13

Tot Ion: 75 Resp: 108416

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

89 0.0 33.7 50.5#

