

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053208.D
 Acq On : 27 Dec 2018 13:16
 Operator : MD\SY
 Sample : J6571-03 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30061

Quant Time: Dec 28 00:48:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1183289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1810899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1706411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	740744	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	580090	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
35) Dibromofluoromethane	7.59	113	505546	61.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.22%	
50) Toluene-d8	10.09	98	2249840	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	797574	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.58	94	2533	0.249	ug/l	84
11) Tert butyl alcohol	4.76	59	410	0.560	ug/l #	74
13) Acrolein	3.62	56	25199	37.930	ug/l	100
14) Allyl chloride	4.26	41	1526706	87.391	ug/l #	39
15) Acrylonitrile	4.99	53	830	0.204	ug/l #	55
16) Acetone	3.81	43	278373	118.234	ug/l #	77
18) Methyl Acetate	4.33	43	3237	1.289	ug/l #	87
20) Methylene Chloride	4.56	84	6460	0.503	ug/l	95
22) Diisopropyl ether	6.03	45	132006	3.540	ug/l #	1
23) Vinyl Acetate	6.03	43	287150	13.392	ug/l #	73
25) 2-Butanone	6.84	43	14571	3.688	ug/l	94
29) Tetrahydrofuran	7.22	42	1085	0.368	ug/l #	36
31) Cyclohexane	7.67	56	19983	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	76061	4.376	ug/l #	49
37) Ethyl Acetate	6.84	43	14571	1.502	ug/l #	69
38) Carbon Tetrachloride	7.66	117	101249	6.355	ug/l #	15
43) Isopropyl Acetate	8.27	43	44019	1.327	ug/l #	54
48) Methyl methacrylate	9.19	41	2924	0.311	ug/l #	10
49) 1,4-Dioxane	9.19	88	29	0.243	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2282	0.243	ug/l #	35
53) t-1,3-Dichloropropene	10.35	75	39256	2.239	ug/l #	47
55) 1,1,2-Trichloroethane	10.49	97	5016	0.449	ug/l #	1
56) Ethyl methacrylate	10.50	69	10731	0.725	ug/l #	1
57) 1,3-Dichloropropane	10.80	76	7822	0.408	ug/l #	42
59) 2-Hexanone	10.49	43	888538	139.758	ug/l	97
71) Bromoform	12.40	173	5022	0.528	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.37	83	59915	5.269	ug/l #	32
76) 1,2,3-Trichloropropane	12.40	75	371529	29.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	371529	96.032	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5544	1.008	ug/l	92
94) Hexachlorobutadiene	15.01	225	2622	Below Cal		90
95) Naphthalene	15.13	128	14978	1.649	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	5674	0.977	ug/l	89

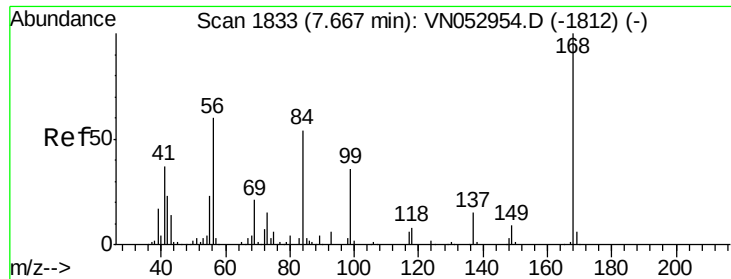
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

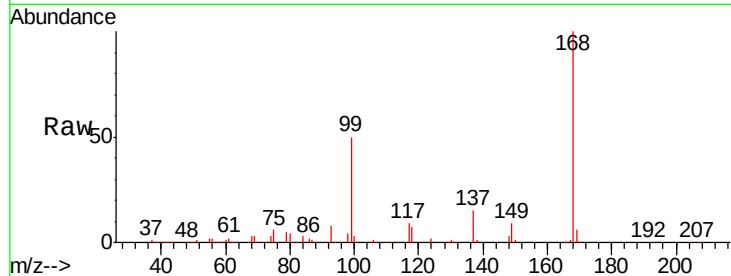
30061

Tgt Ion:168 Resp: 1183289

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

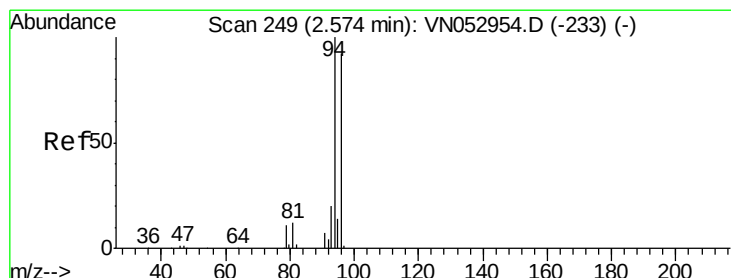
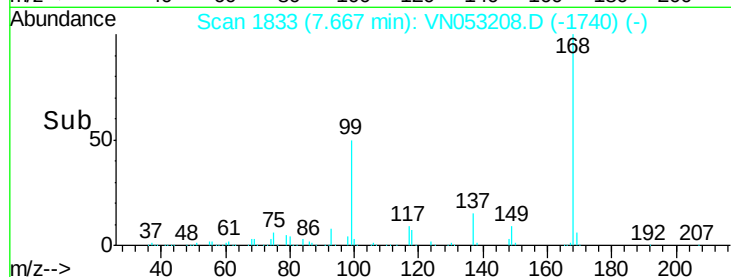
200000

100000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.249 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN053208.D

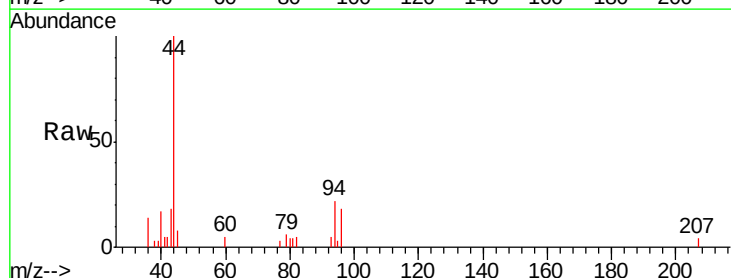
Acq: 27 Dec 2018 13:16

Tgt Ion: 94 Resp: 2533

Ion Ratio Lower Upper

94 100

96 78.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

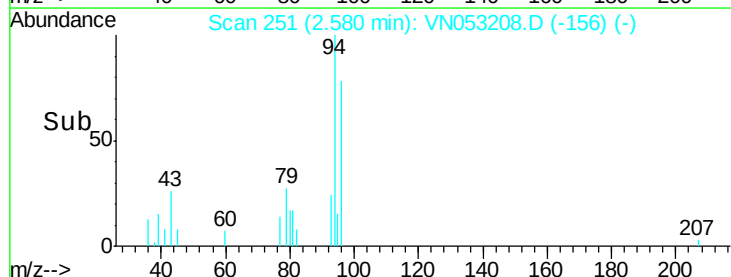
1000

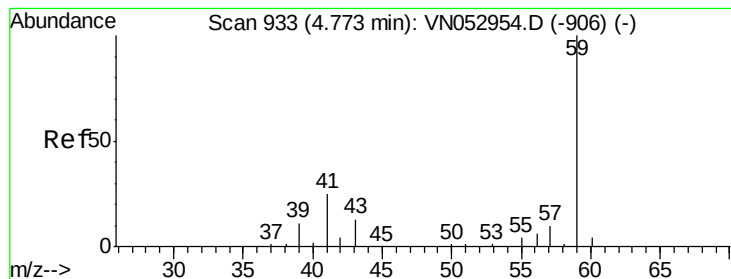
500

0

2.55 2.60

Time-->





#11

Tert butyl alcohol

Concen: 0.560 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.01 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

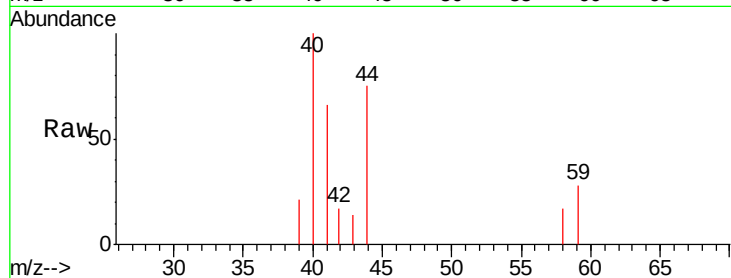
30061

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

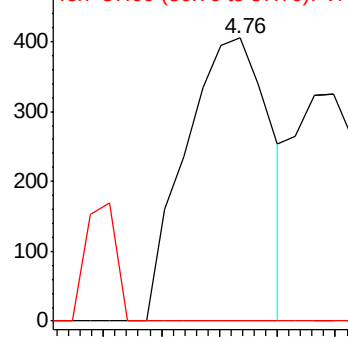
59 100

57 0.0 7.7 11.5#

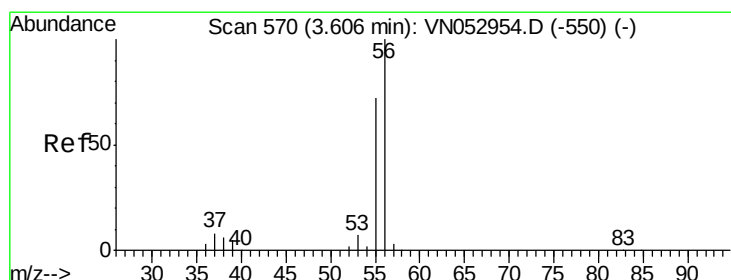
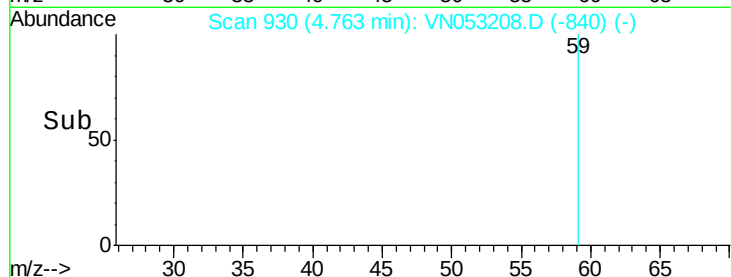


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#13

Acrolein

Concen: 37.930 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053208.D

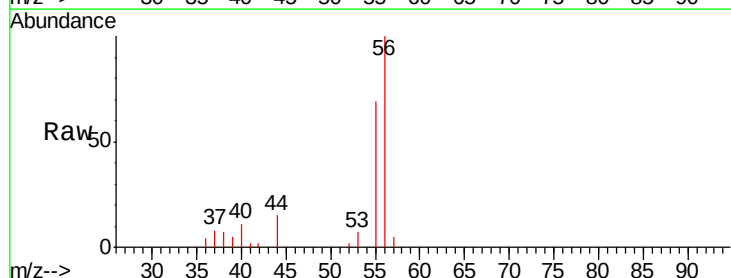
Acq: 27 Dec 2018 13:16

Tgt Ion: 56 Resp: 25199

Ion Ratio Lower Upper

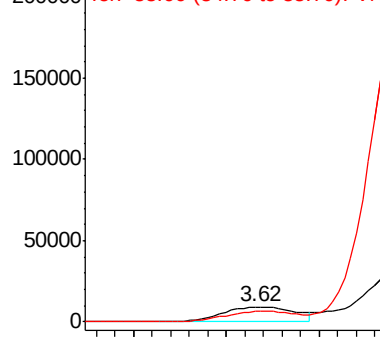
56 100

55 70.6 56.6 85.0

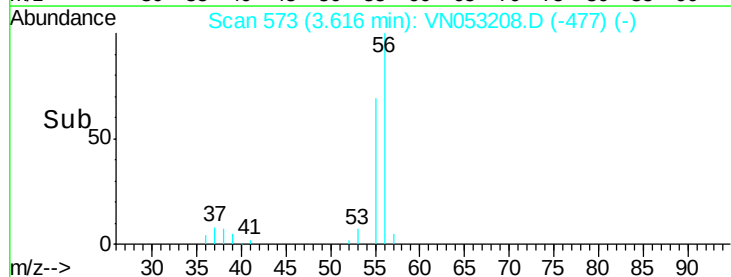


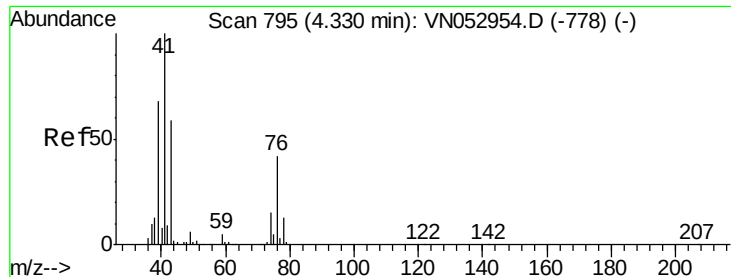
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->

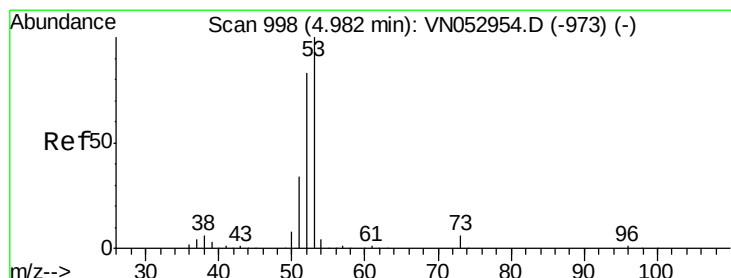
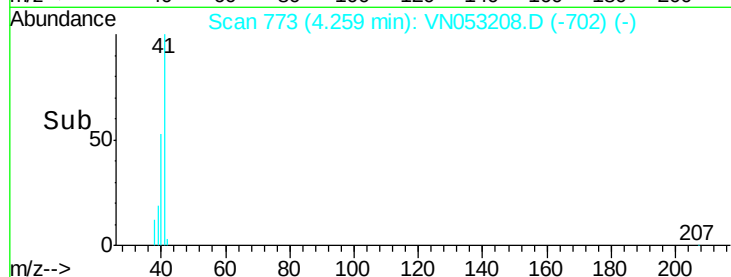
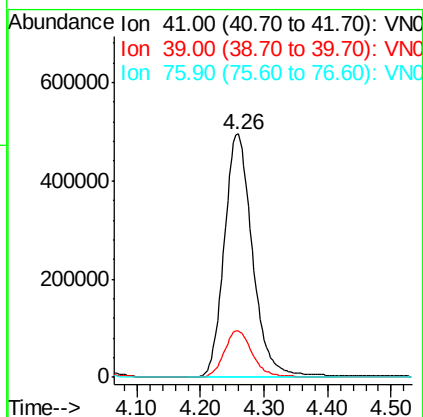
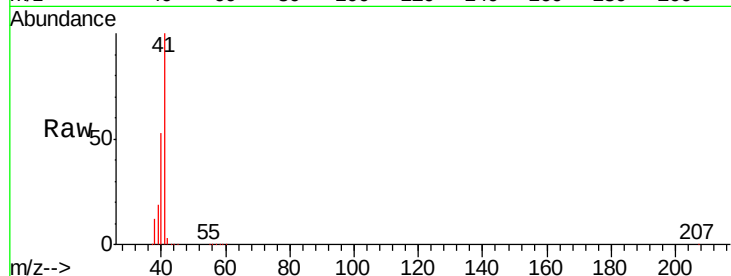




#14
 Allyl chloride
 Concen: 87.391 ug/l
 RT: 4.26 min Scan# 773
 Delta R.T. -0.07 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

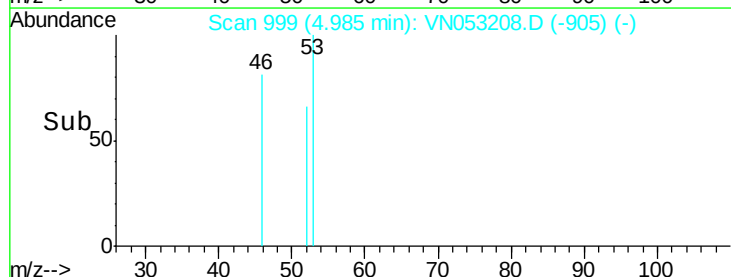
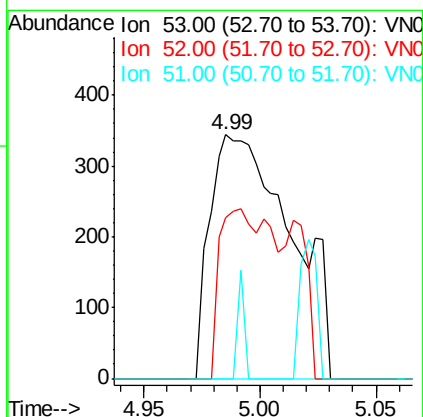
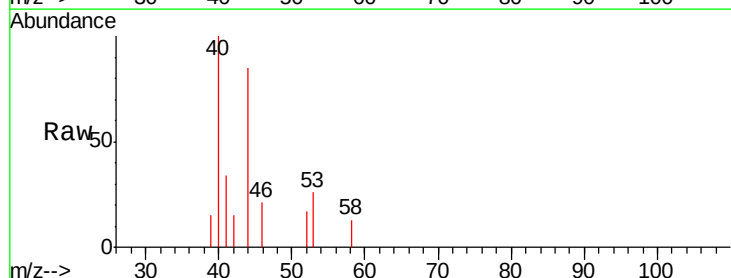
Instrument :
 MSVOA_N
 ClientSampled :
 30061

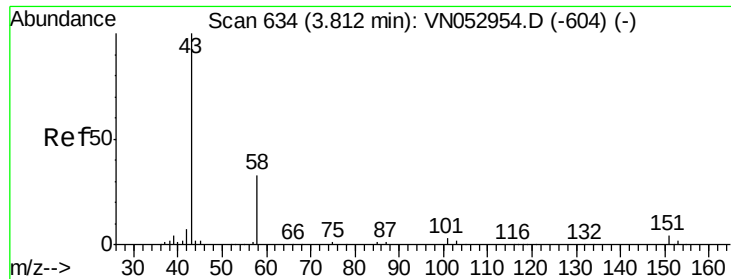
Tgt Ion: 41 Resp: 1526706
 Ion Ratio Lower Upper
 41 100
 39 18.8 54.1 81.1#
 76 0.0 30.3 45.5#



#15
 Acrylonitrile
 Concen: 0.204 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

Tgt Ion: 53 Resp: 830
 Ion Ratio Lower Upper
 53 100
 52 45.2 65.1 97.7#
 51 3.5 28.1 42.1#





#16

Acetone

Concen: 118.234 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

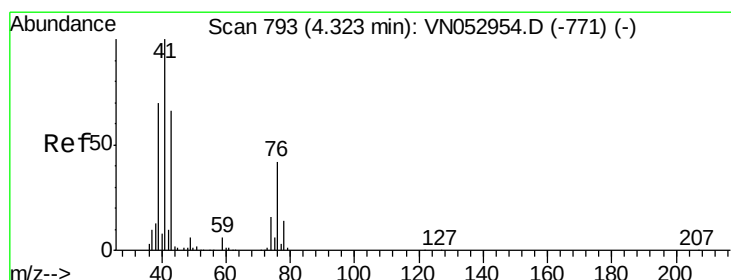
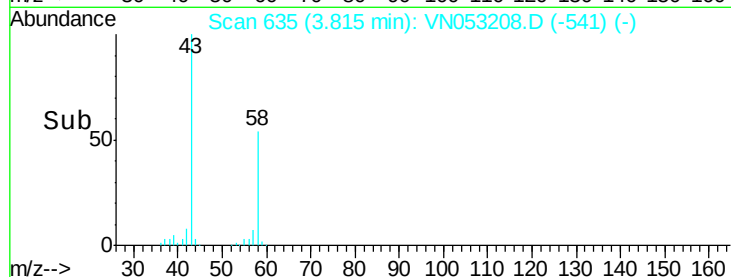
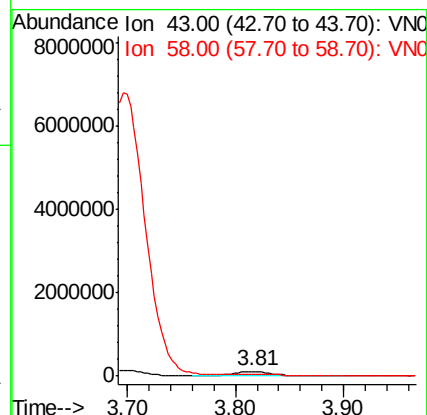
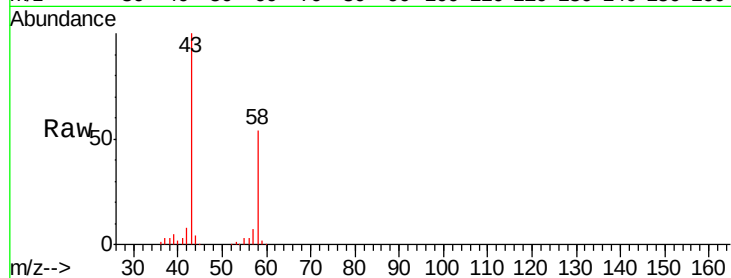
30061

Tgt Ion: 43 Resp: 278373

Ion Ratio Lower Upper

43 100

58 44.7 25.4 38.0#



#18

Methyl Acetate

Concen: 1.289 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053208.D

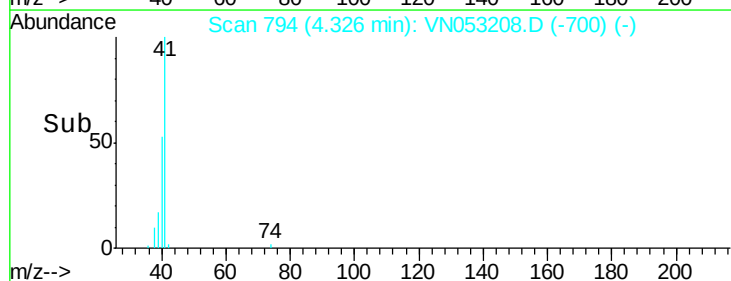
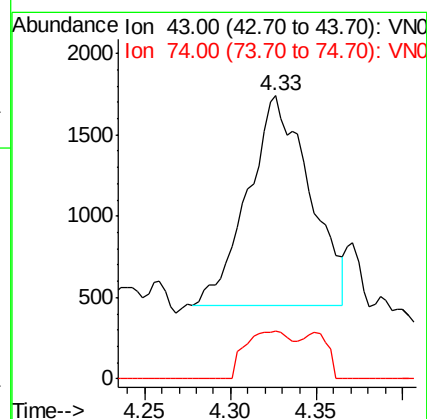
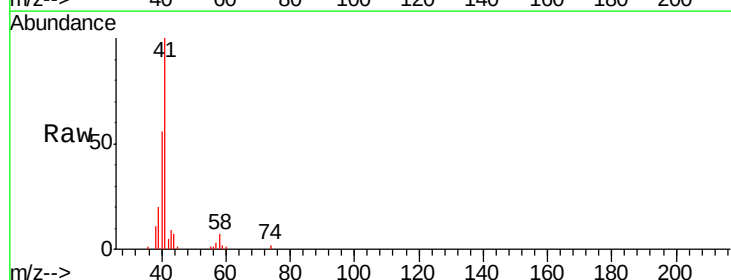
Acq: 27 Dec 2018 13:16

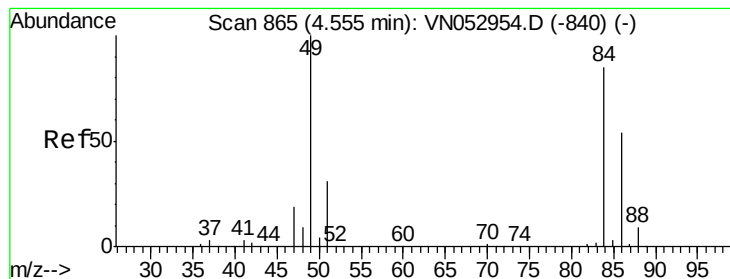
Tgt Ion: 43 Resp: 3237

Ion Ratio Lower Upper

43 100

74 17.8 19.2 28.8#





#20

Methylene Chloride

Concen: 0.503 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

30061

Tgt Ion: 84 Resp: 6460

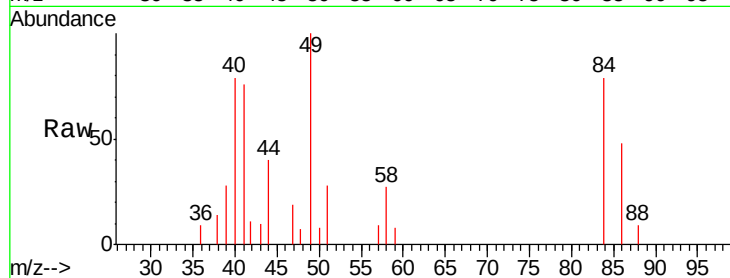
Ion Ratio Lower Upper

84 100

49 126.1 96.8 145.2

51 35.3 29.9 44.9

86 60.8 51.8 77.6

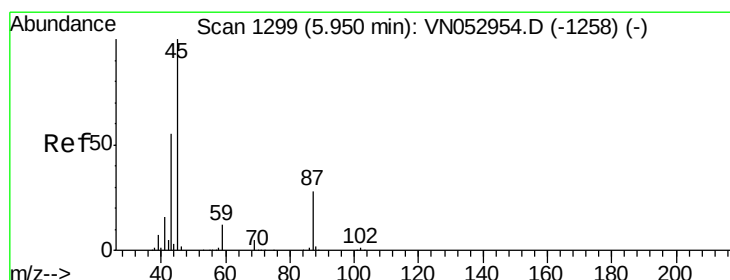
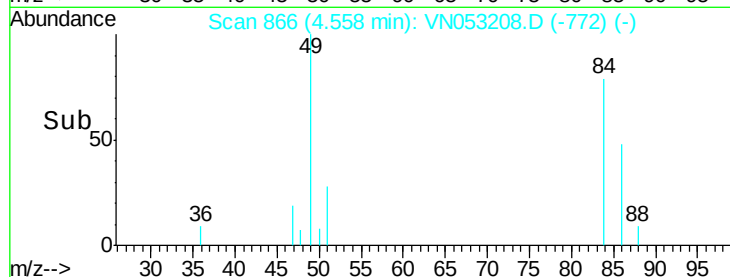
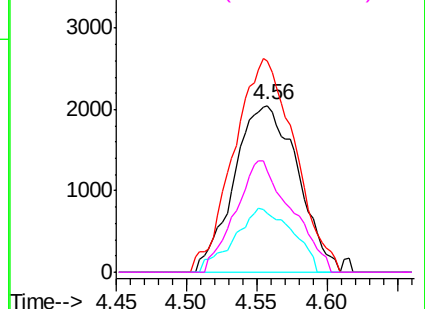


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

Diisopropyl ether

Concen: 3.540 ug/l

RT: 6.03 min Scan# 1323

Delta R.T. 0.08 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Tgt Ion: 45 Resp: 132006

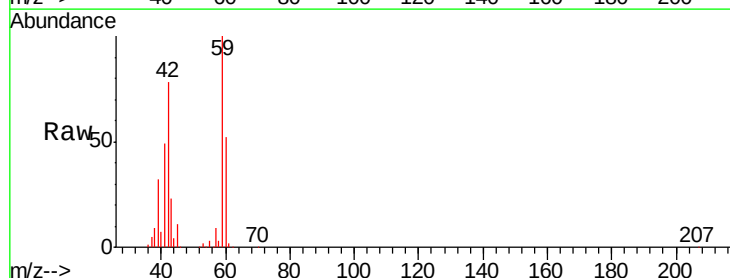
Ion Ratio Lower Upper

45 100

43 215.0 45.5 68.3#

87 0.0 22.0 33.0#

59 921.4 9.4 14.0#

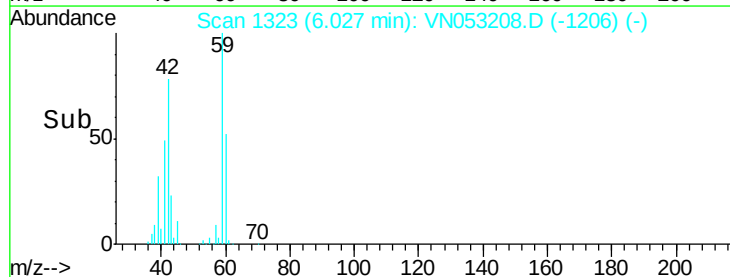
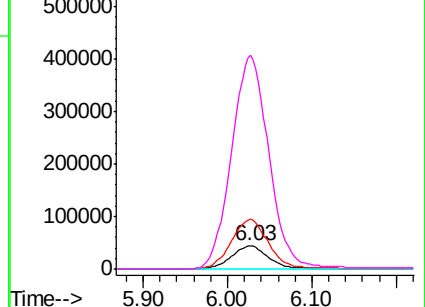


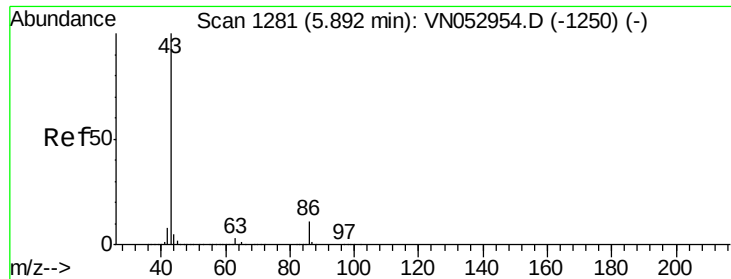
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

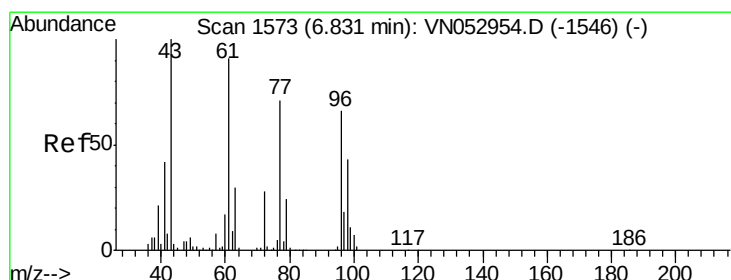
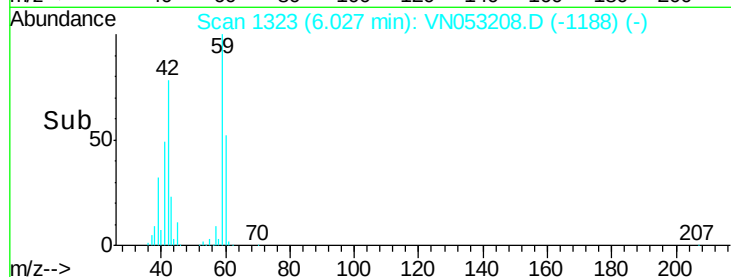
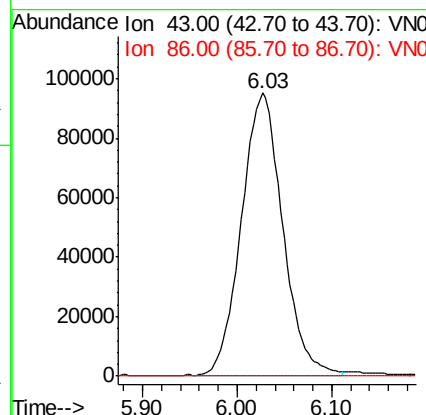
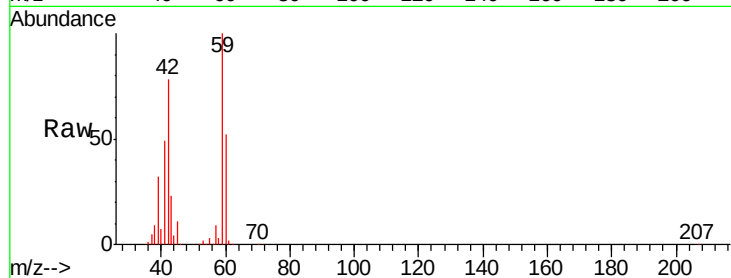




#23
 Vinyl Acetate
 Concen: 13.392 ug/l
 RT: 6.03 min Scan# 1323
 Delta R.T. 0.13 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

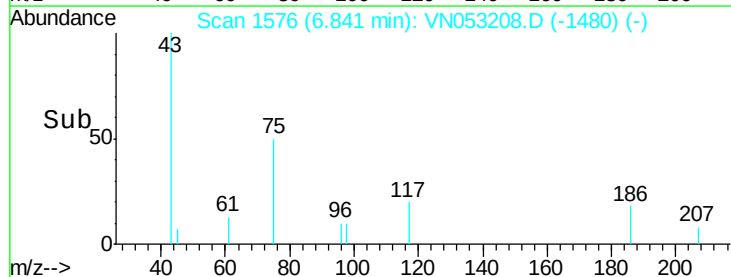
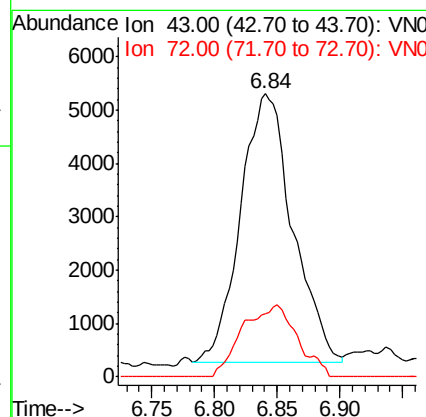
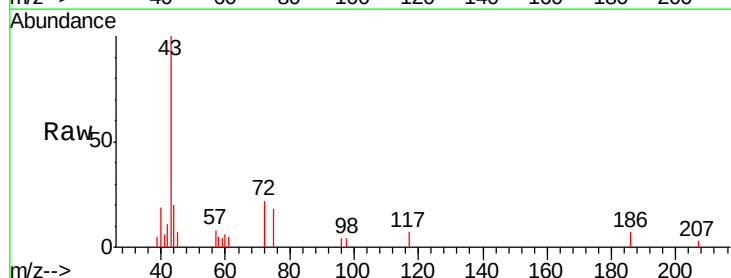
Instrument :
 MSVOA_N
 ClientSampled :
 30061

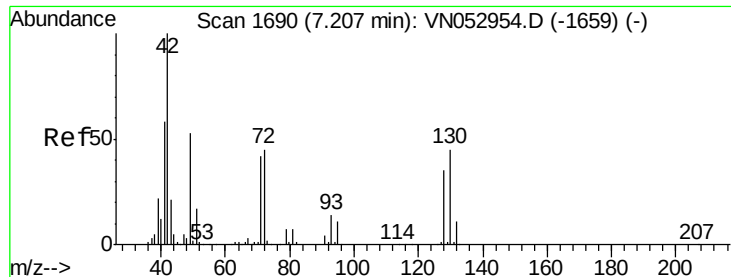
Tgt Ion: 43 Resp: 287150
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.1 12.1#



#25
 2-Butanone
 Concen: 3.688 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

Tgt Ion: 43 Resp: 14571
 Ion Ratio Lower Upper
 43 100
 72 23.4 21.0 31.6

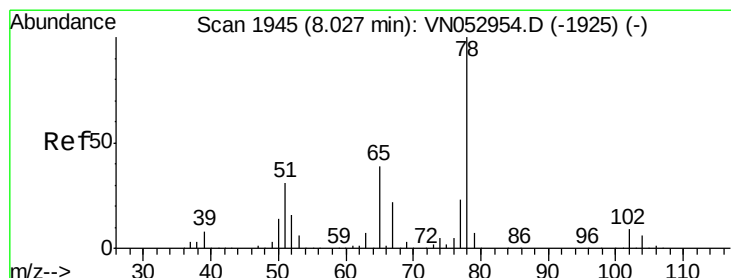
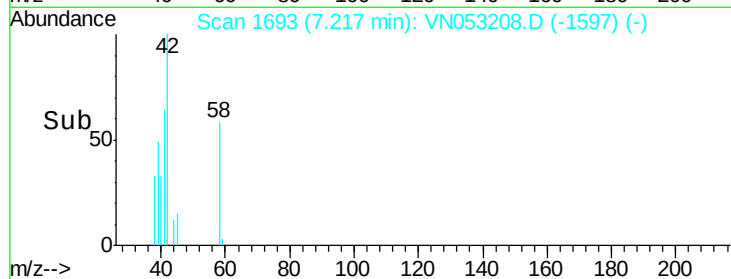
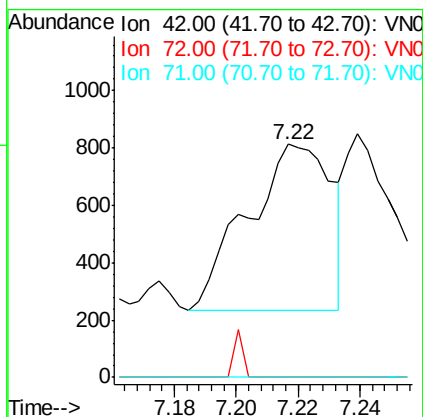
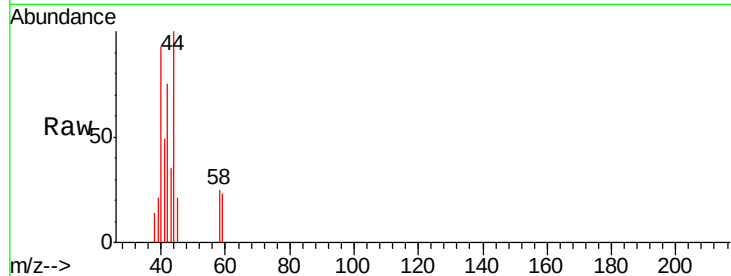




#29
Tetrahydrofuran
Concen: 0.368 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

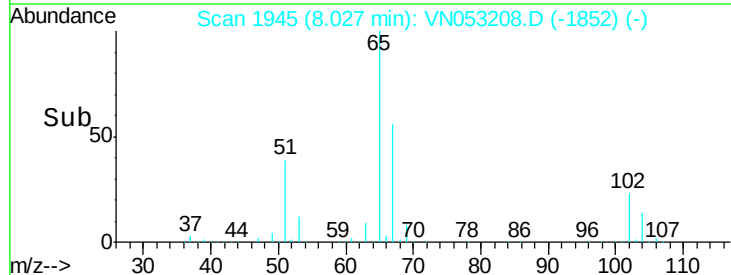
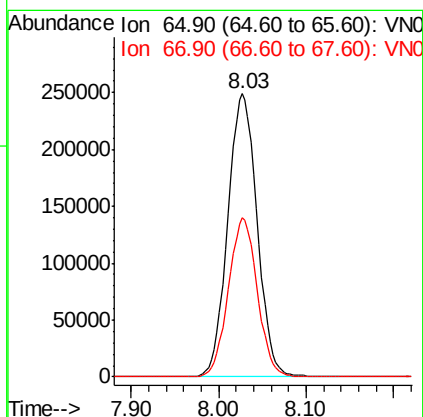
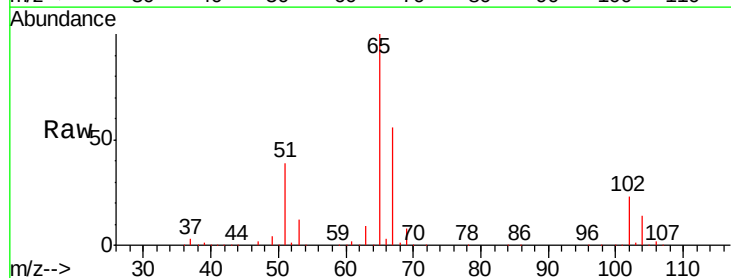
Instrument :
MSVOA_N
ClientSampled :
30061

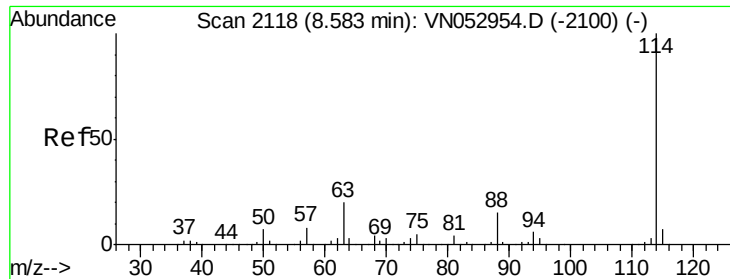
Tgt Ion: 42 Resp: 1085
Ion Ratio Lower Upper
42 100
72 2.9 34.7 52.1#
71 0.0 32.3 48.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Tgt Ion: 65 Resp: 580090
Ion Ratio Lower Upper
65 100
67 55.3 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: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

30061

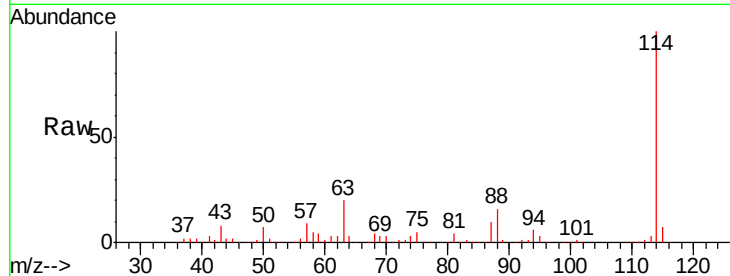
Tgt Ion:114 Resp: 1810899

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

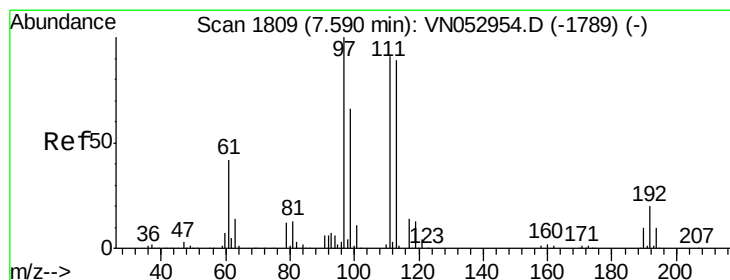
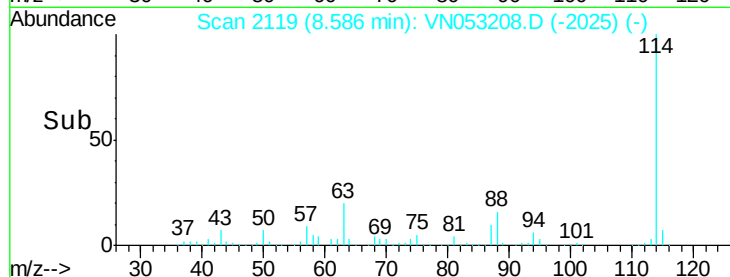
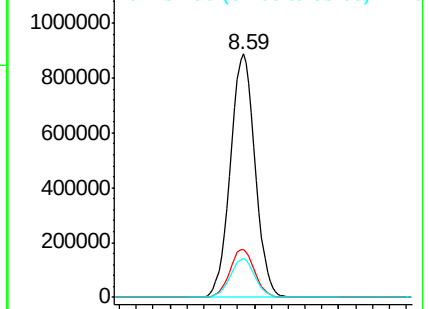
88 15.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

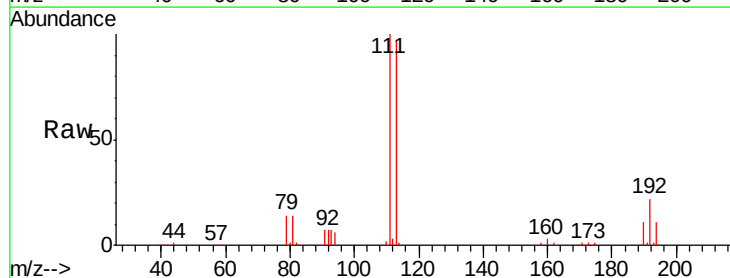
Tgt Ion:113 Resp: 505546

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

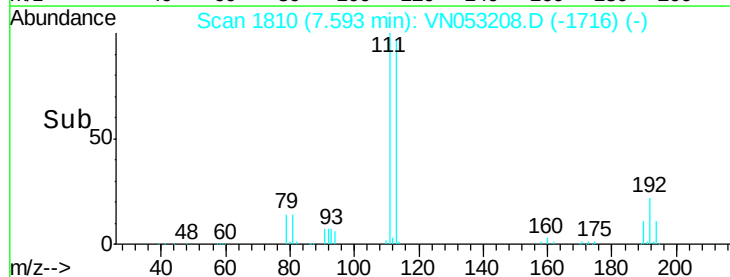
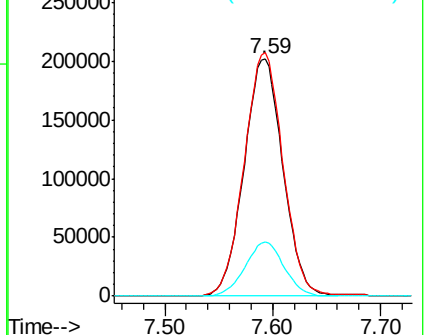
192 22.8 17.5 26.3

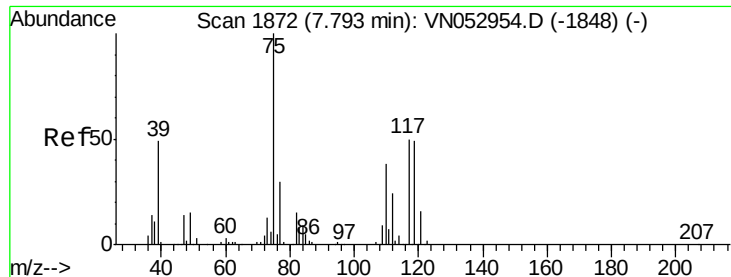


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

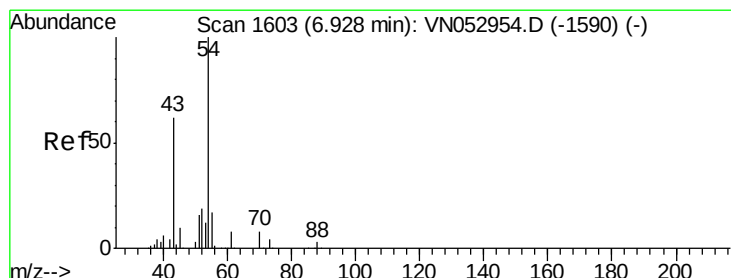
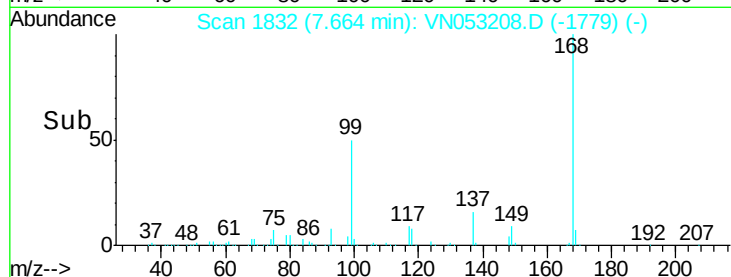
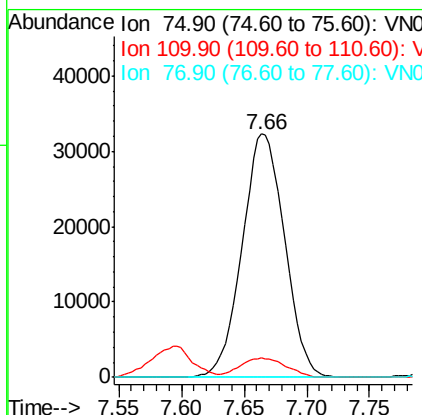
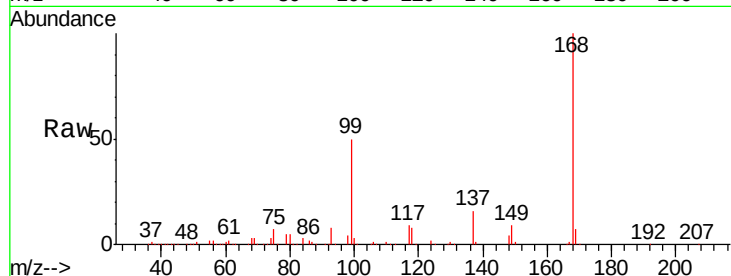




#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

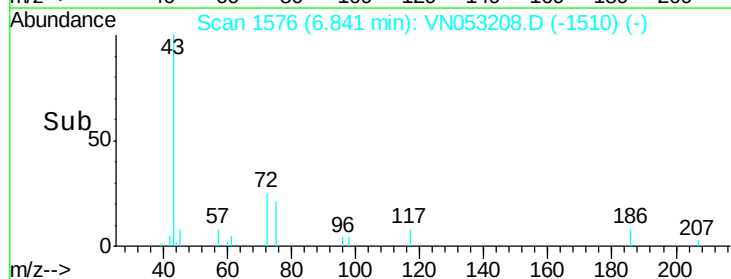
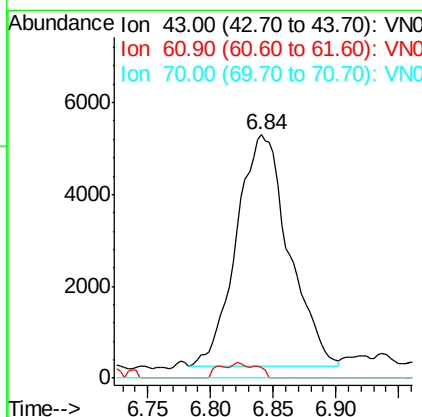
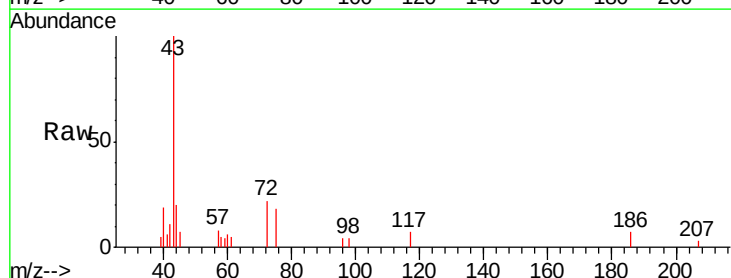
Instrument :
 MSVOA_N
 ClientSampled :
 30061

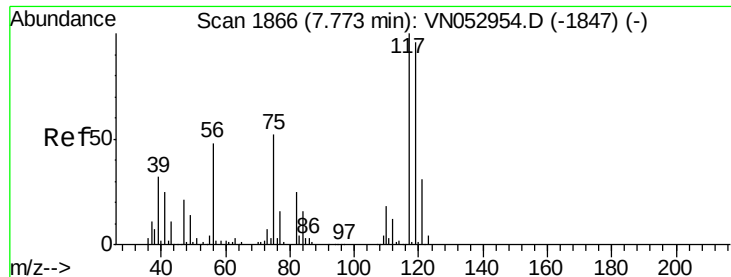
Tgt Ion: 75 Resp: 76061
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.2 54.6#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.502 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

Tgt Ion: 43 Resp: 14571
 Ion Ratio Lower Upper
 43 100
 61 0.9 11.8 17.6#
 70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

30061

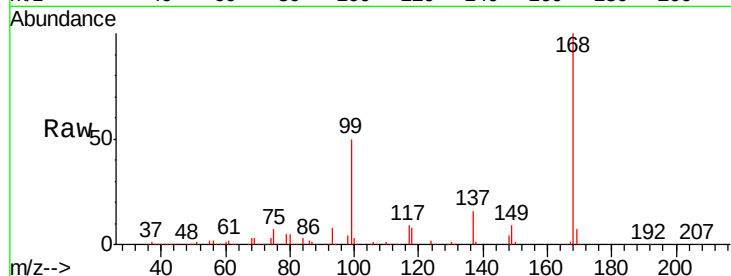
Tgt Ion:117 Resp: 101249

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

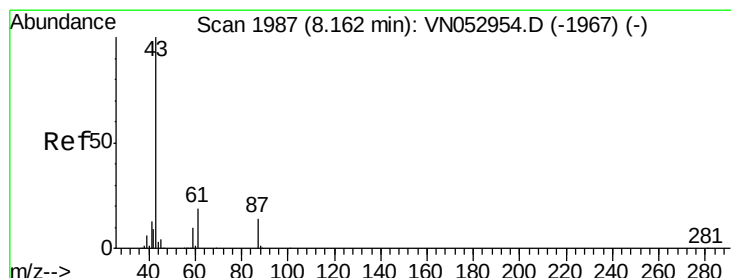
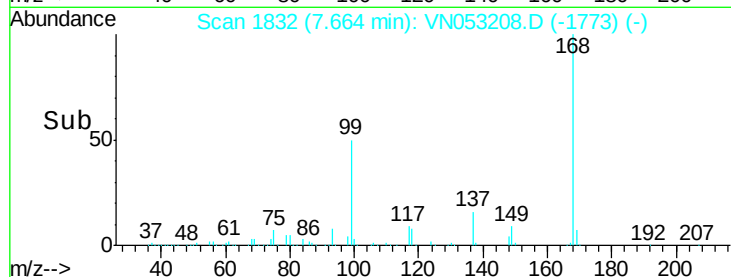
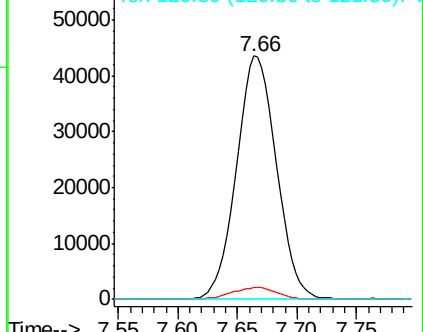
121 0.0 24.9 37.3#



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: 1.327 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

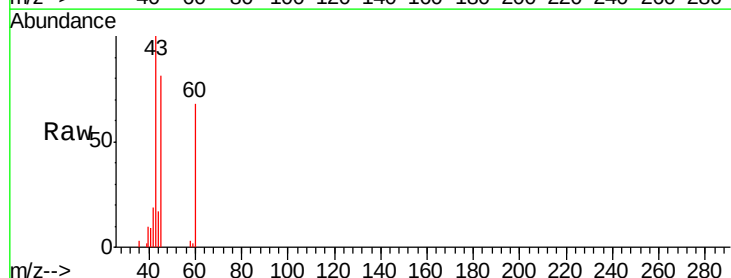
Tgt Ion: 43 Resp: 44019

Ion Ratio Lower Upper

43 100

61 0.7 22.9 34.3#

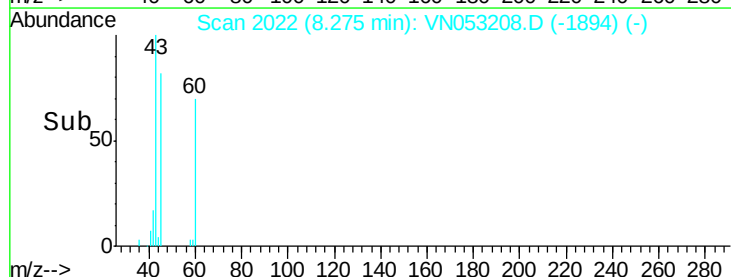
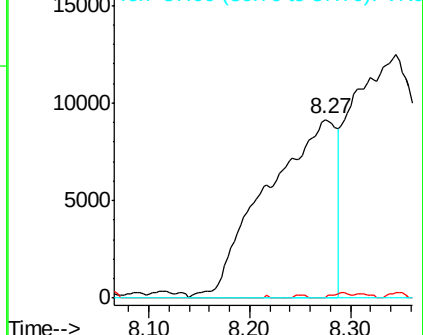
87 0.0 10.6 15.8#

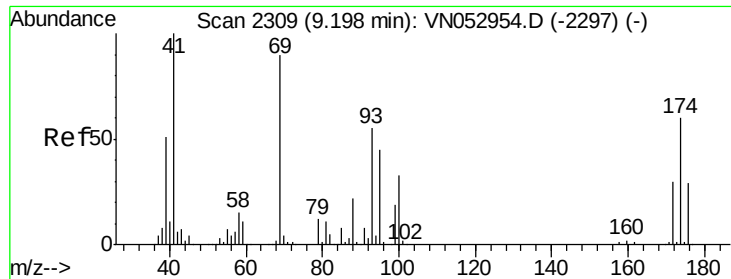


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

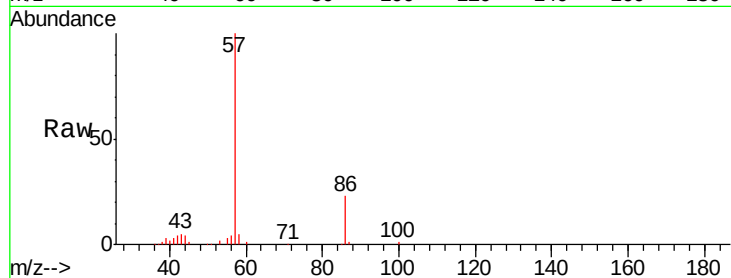




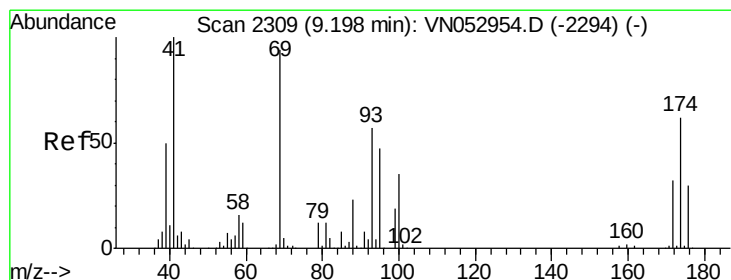
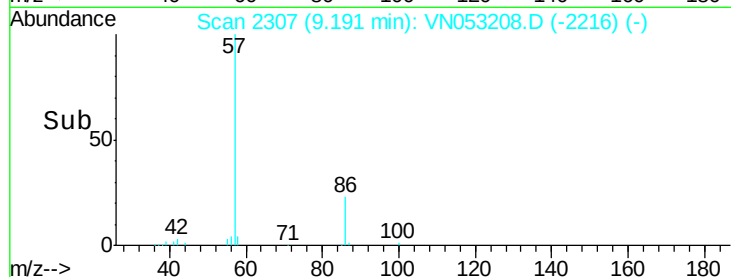
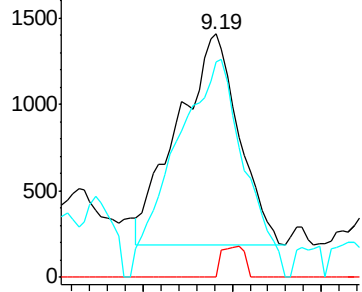
#48
Methyl methacrylate
Concen: 0.311 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
30061

Tgt Ion: 41 Resp: 2924
Ion Ratio Lower Upper
41 100
69 5.5 72.2 108.2#
39 116.1 41.9 62.9#

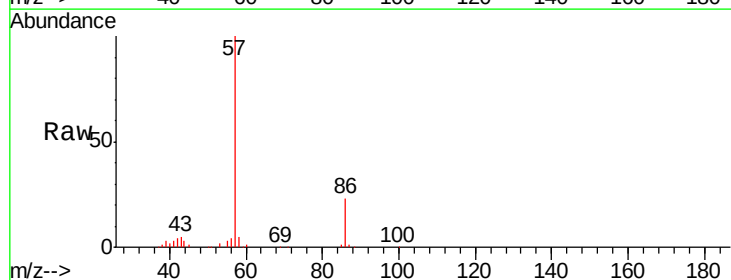


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

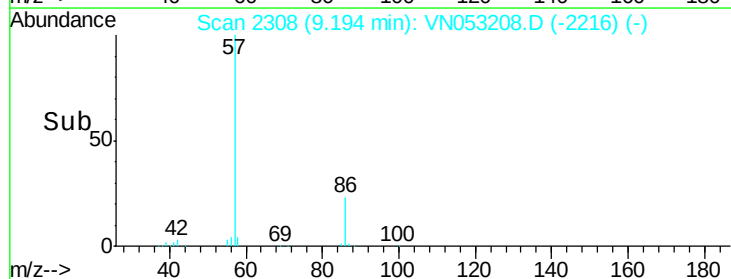
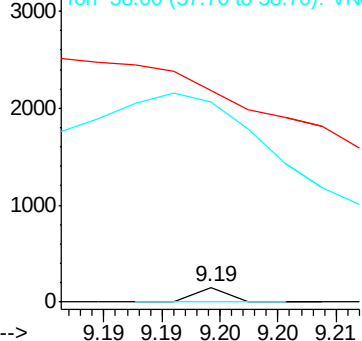


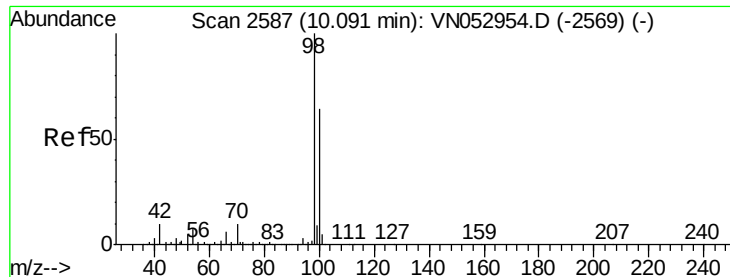
#49
1,4-Dioxane
Concen: 0.243 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 14982.8 26.6 40.0#
58 18993.1 58.4 87.6#



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





#50

Toluene-d8

Concen: 0.243 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

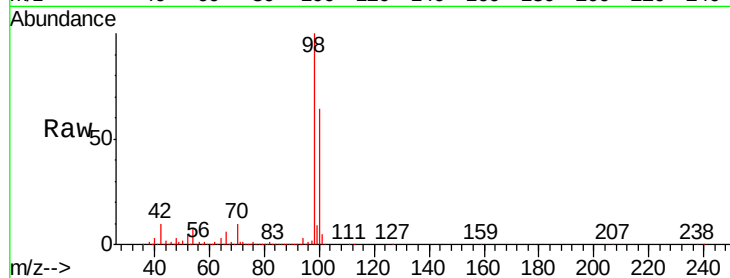
30061

Tgt Ion: 98 Resp: 2249840

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053208.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053208.D (-2494) (-)

10.09

1500000

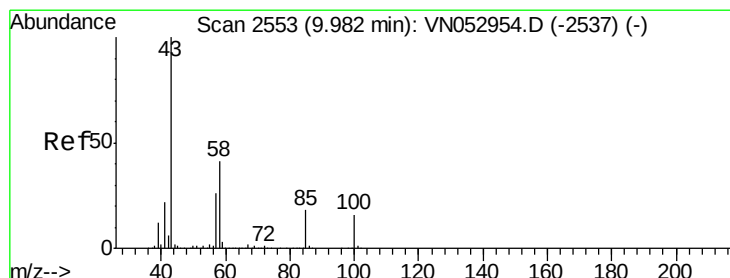
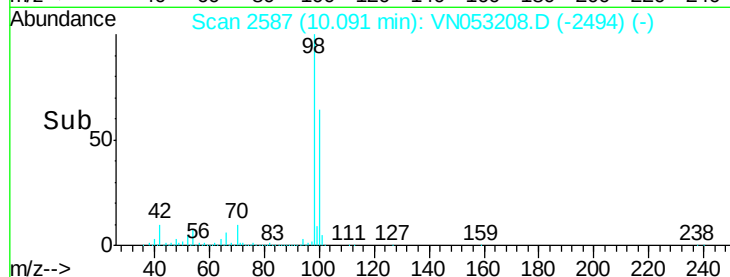
1000000

500000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 0.243 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053208.D

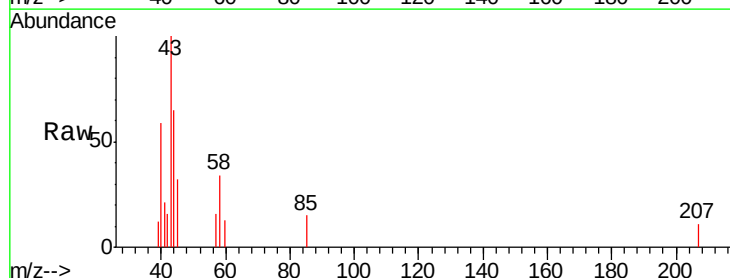
Acq: 27 Dec 2018 13:16

Tgt Ion: 43 Resp: 2282

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053208.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053208.D (-2460) (-)

9.99

1500

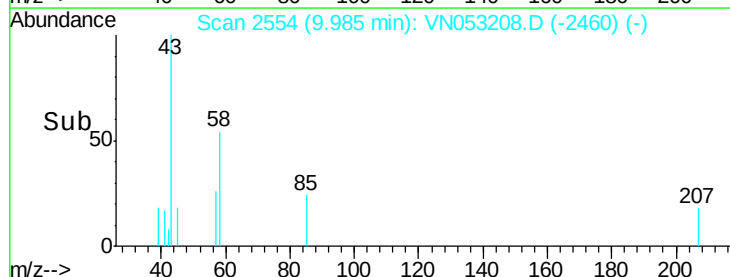
1000

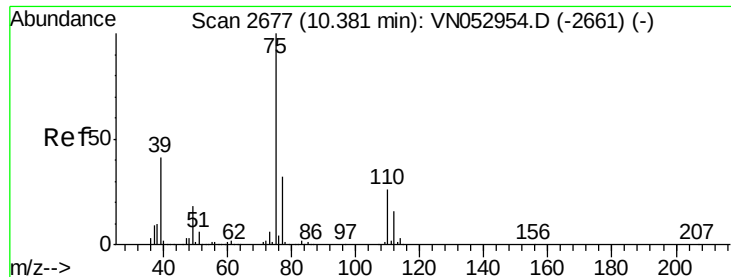
500

0

Time-->

9.95 10.00





#53

t-1,3-Dichloropropene

Concen: 2.239 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

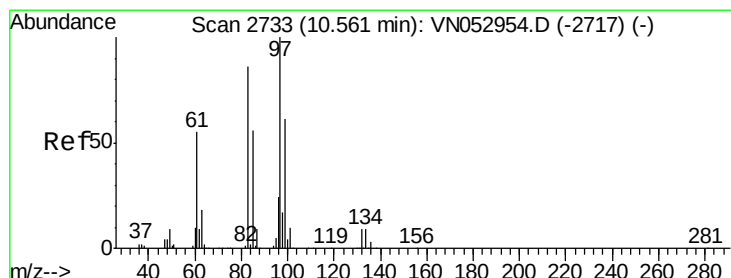
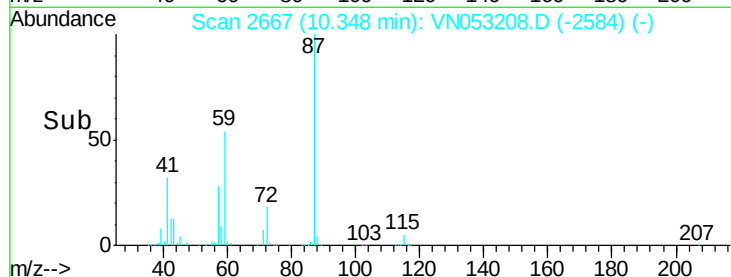
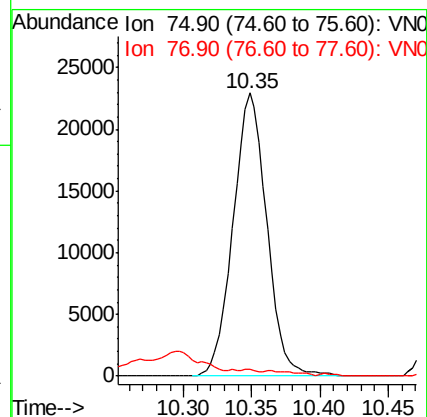
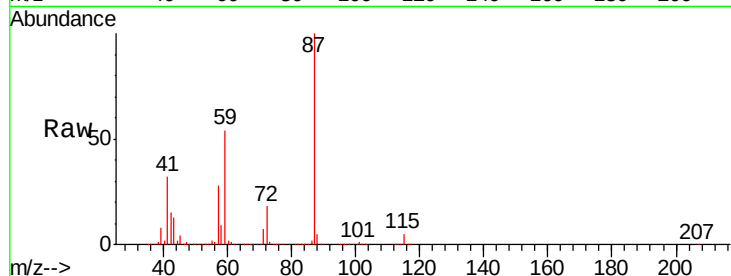
30061

Tgt Ion: 75 Resp: 39256

Ion Ratio Lower Upper

75 100

77 2.3 25.6 38.4#



#55

1,1,2-Trichloroethane

Concen: 0.449 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.07 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Tgt Ion: 97 Resp: 5016

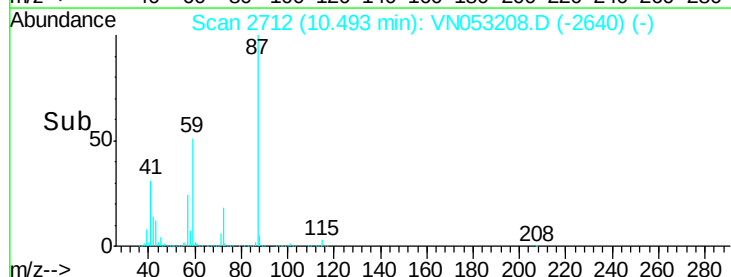
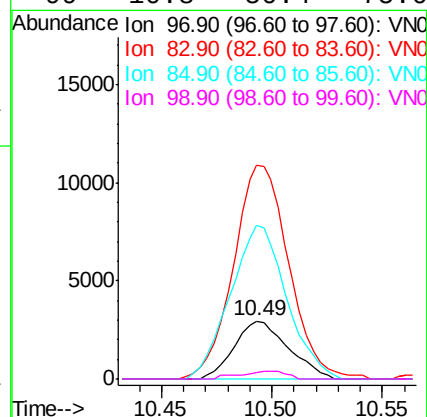
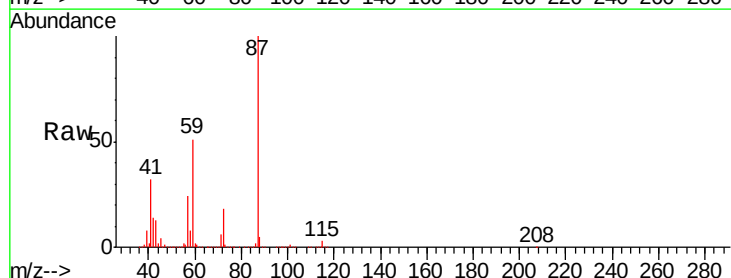
Ion Ratio Lower Upper

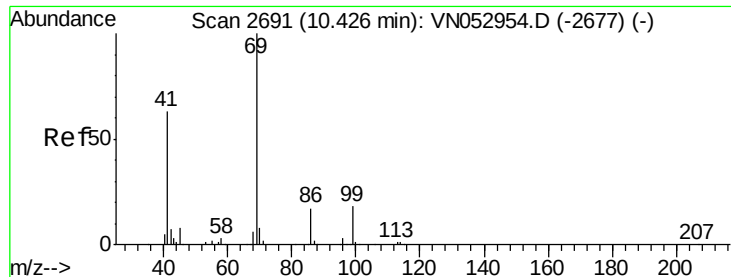
97 100

83 358.7 70.9 106.3#

85 264.1 45.4 68.2#

99 10.8 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.725 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.07 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

30061

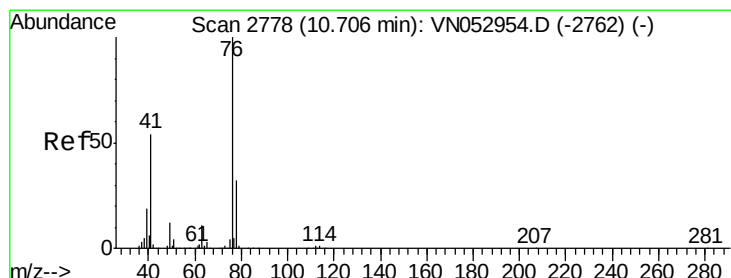
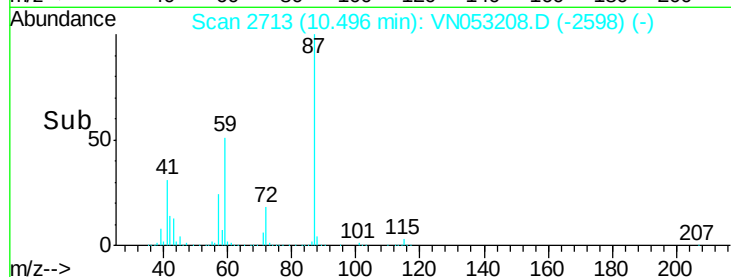
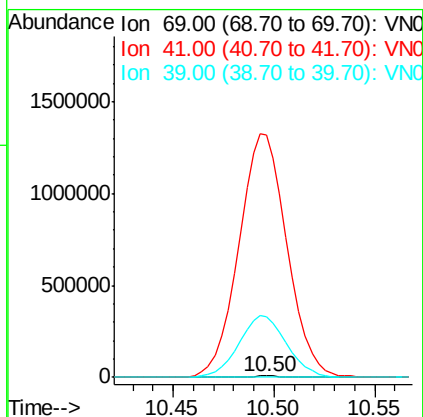
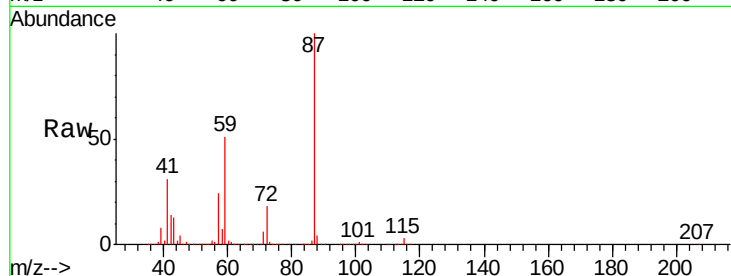
Tgt Ion: 69 Resp: 10731

Ion Ratio Lower Upper

69 100

41 20592.7 51.7 77.5#

39 5194.5 24.6 37.0#



#57

1,3-Dichloropropane

Concen: 0.408 ug/l

RT: 10.80 min Scan# 2807

Delta R.T. 0.09 min

Lab File: VN053208.D

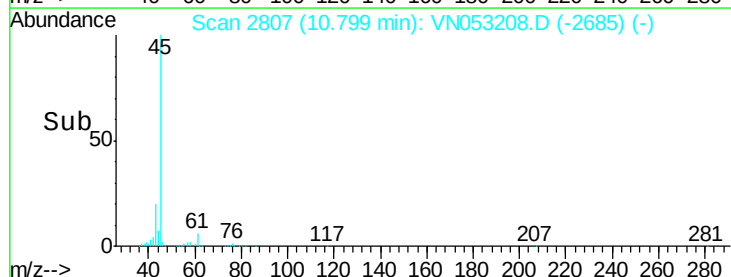
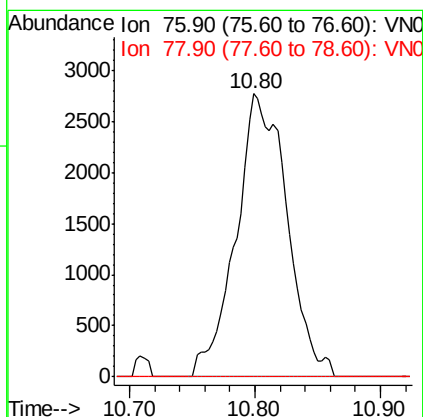
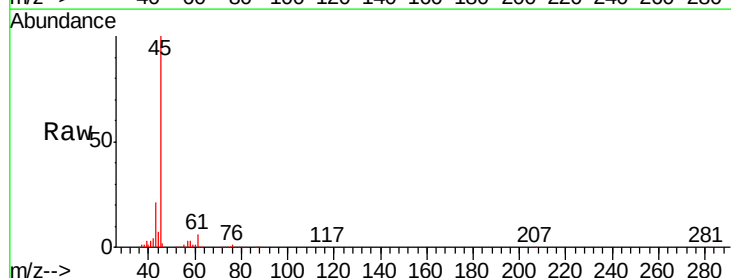
Acq: 27 Dec 2018 13:16

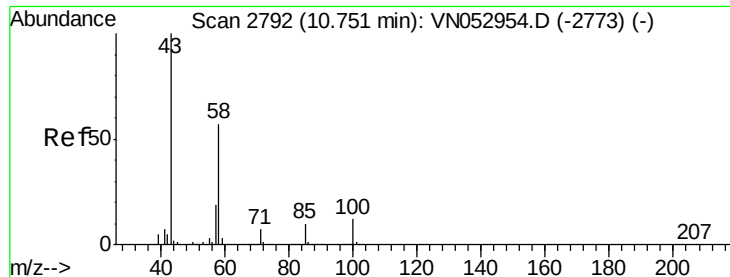
Tgt Ion: 76 Resp: 7822

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

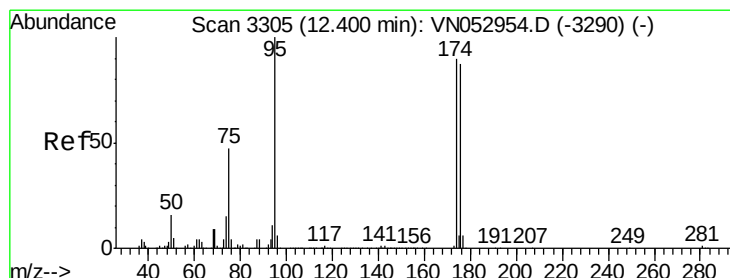
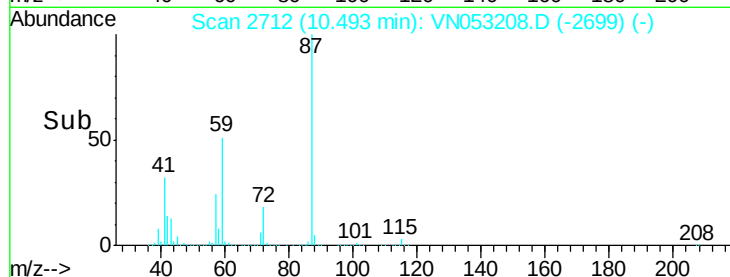
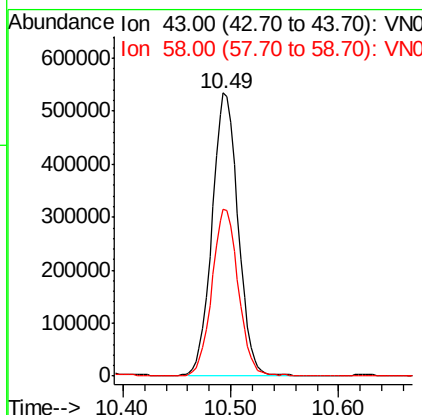
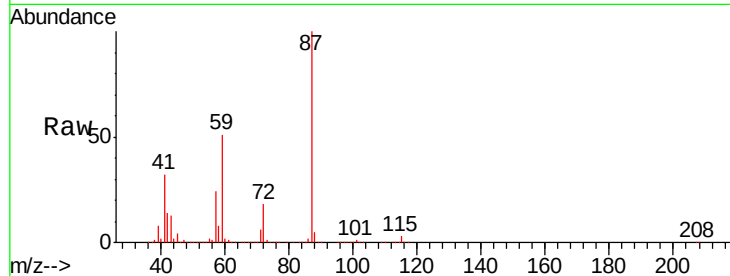




#59
2-Hexanone
Concen: 139.758 ug/l
RT: 10.49 min Scan# 2712
Delta R.T. -0.26 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

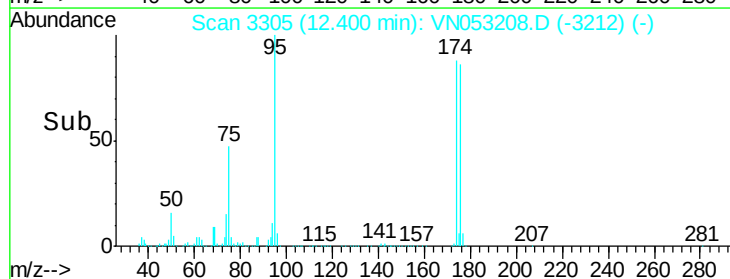
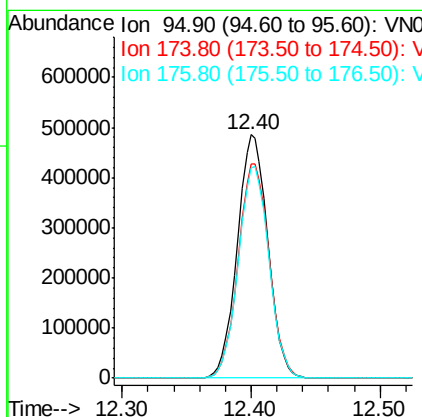
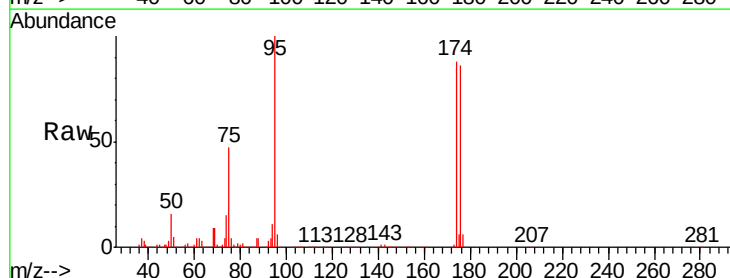
Instrument :
MSVOA_N
ClientSampled :
30061

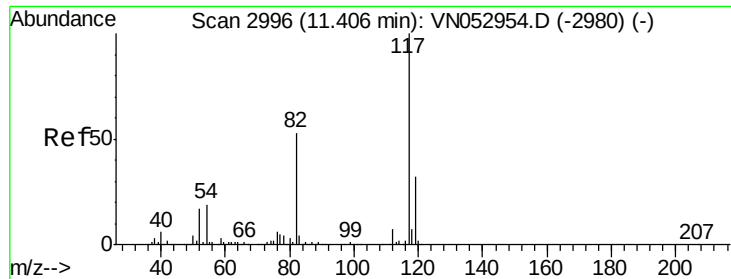
Tgt Ion: 43 Resp: 888538
Ion Ratio Lower Upper
43 100
58 58.7 28.1 84.3



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Tgt Ion: 95 Resp: 797574
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 87.4 0.0 173.8

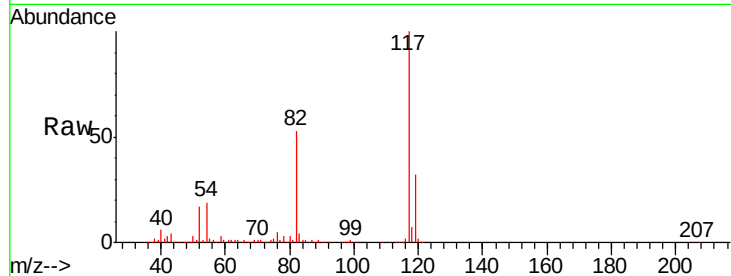




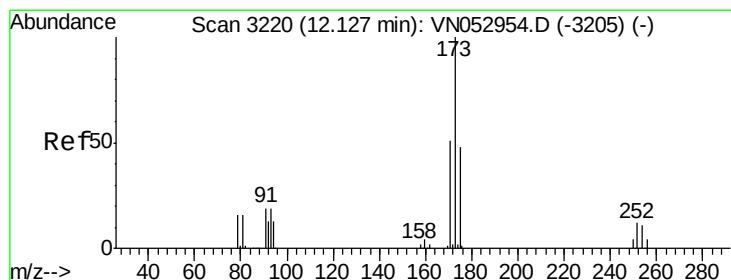
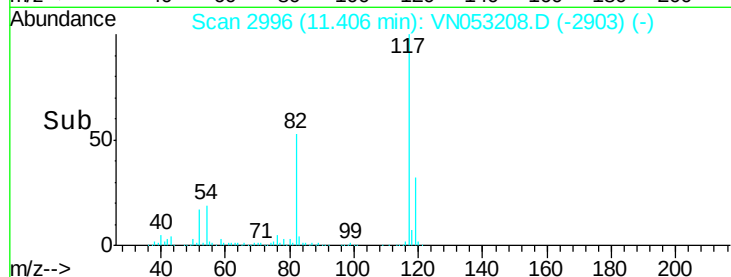
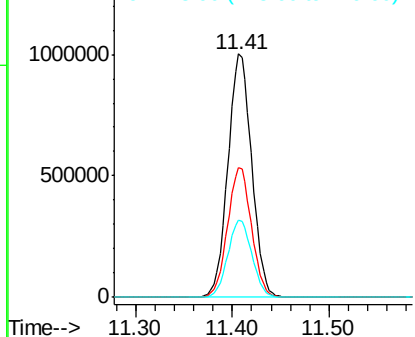
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
30061

Tgt Ion:117 Resp: 1706411
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.9 25.5 38.3

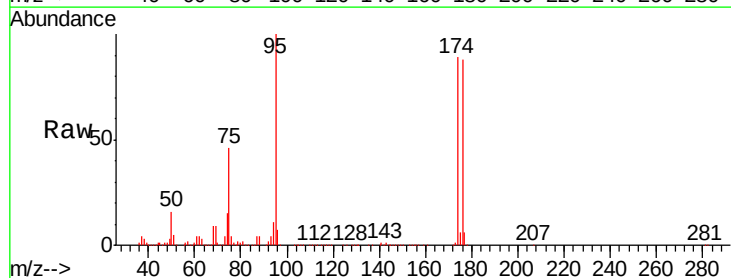


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

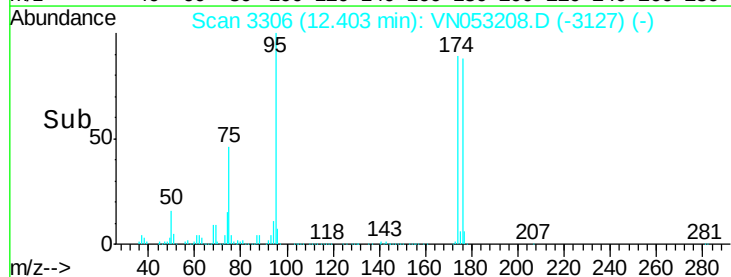
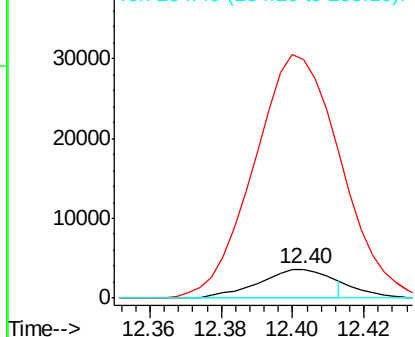


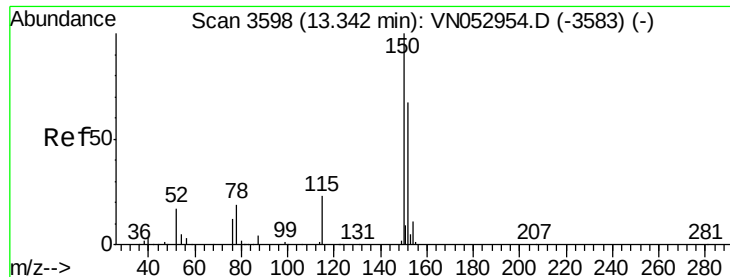
#71
Bromoform
Concen: 0.528 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053208.D
Acq: 27 Dec 2018 13:16

Tgt Ion:173 Resp: 5022
Ion Ratio Lower Upper
173 100
175 892.4 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

30061

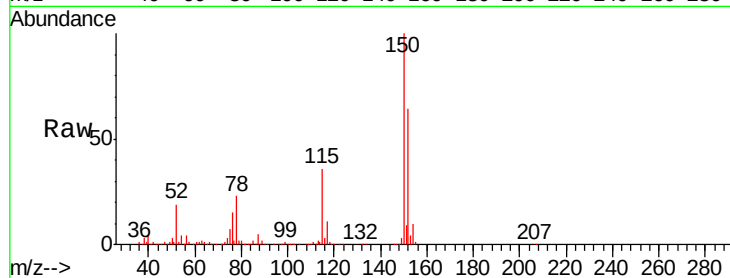
Tgt Ion:152 Resp: 740744

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

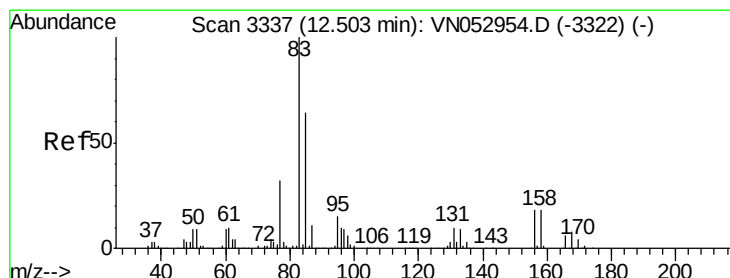
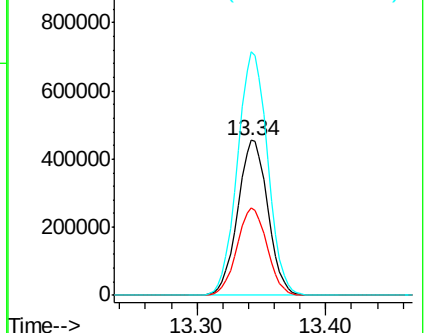
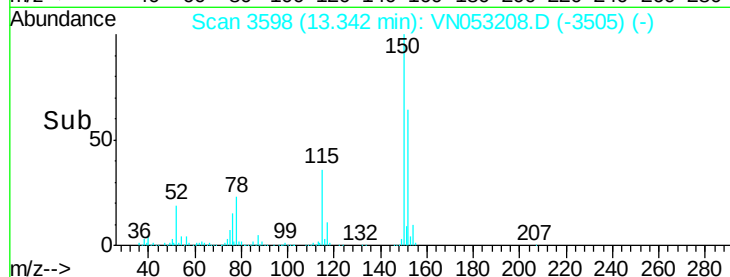
150 157.3 0.0 347.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 5.269 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. -0.14 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

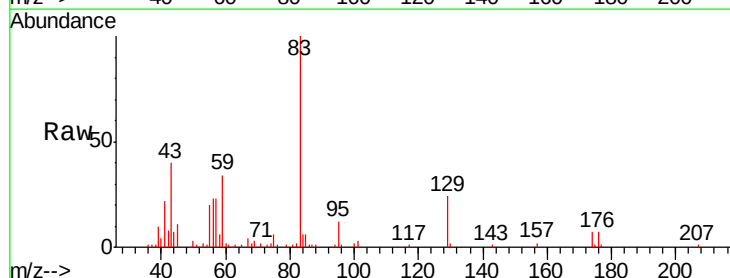
Tgt Ion: 83 Resp: 59915

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

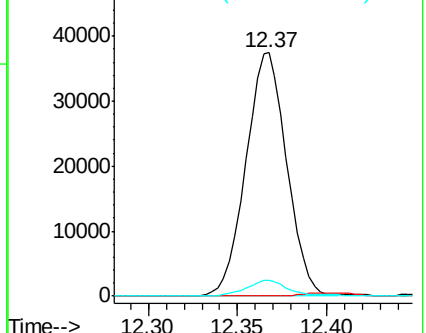
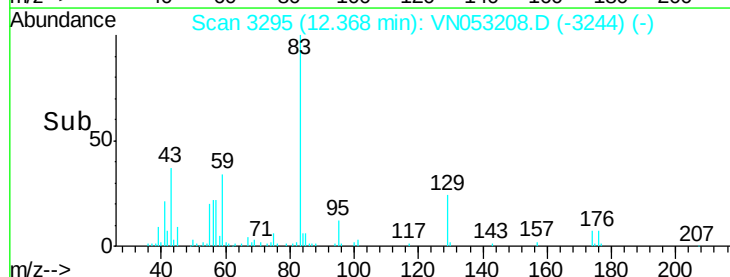
85 6.4 32.4 97.0#

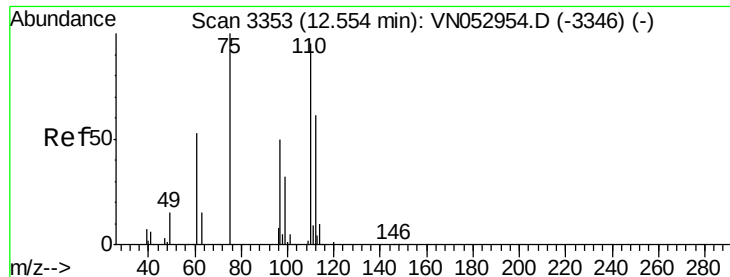


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.795 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

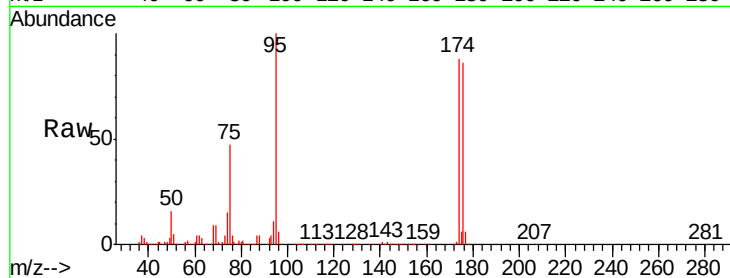
30061

Tgt Ion: 75 Resp: 371529

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

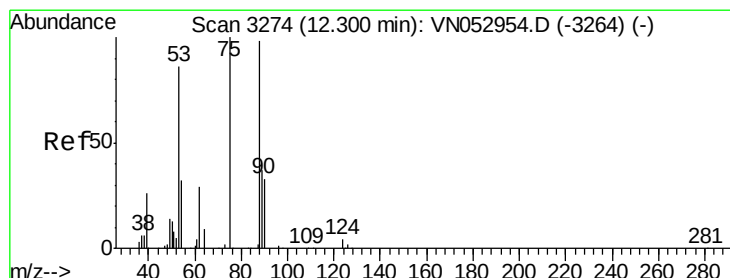
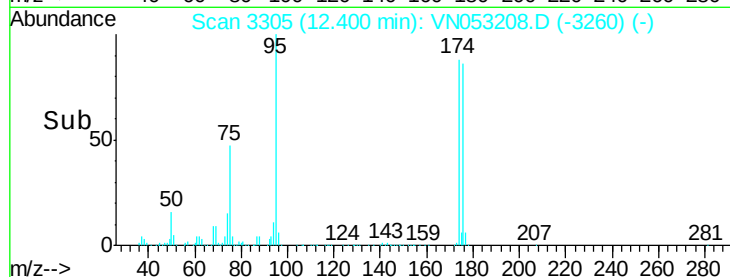
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 96.032 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

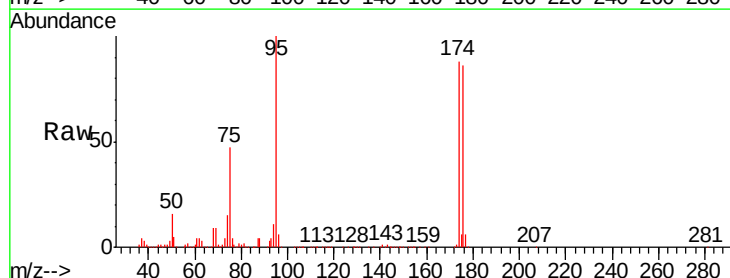
Tgt Ion: 75 Resp: 371529

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

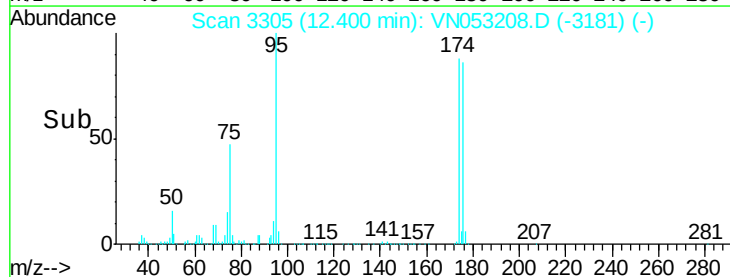
150000

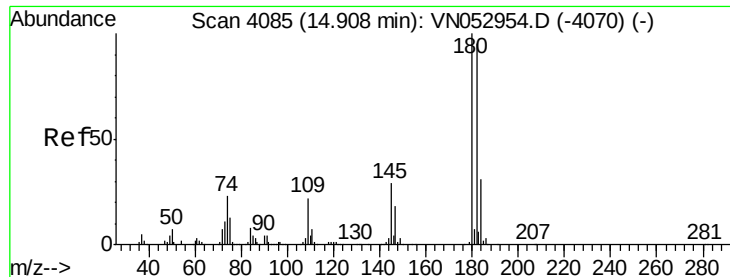
100000

50000

0

Time--> 12.30 12.35 12.40 12.45

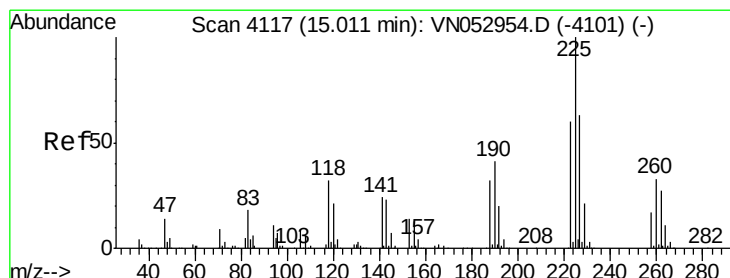
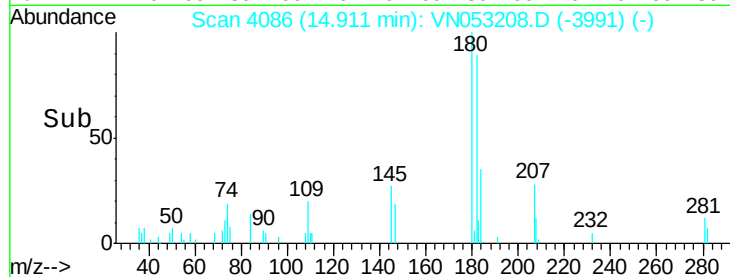
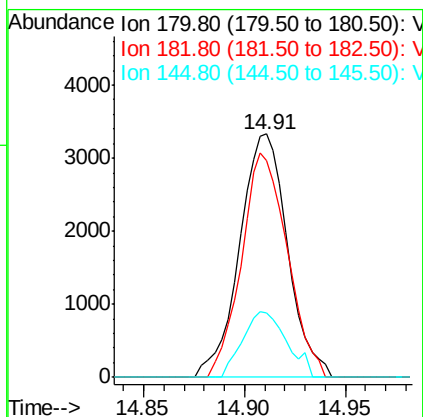
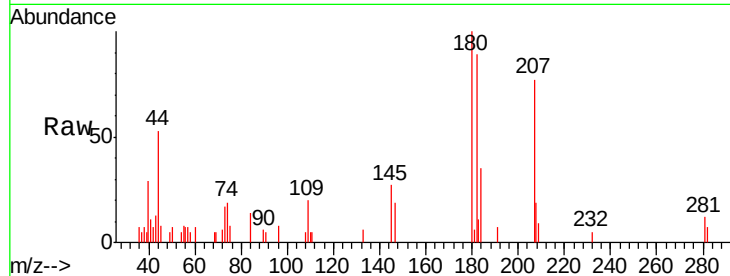




#93
 1,2,4-Trichlorobenzene
 Concen: 1.008 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

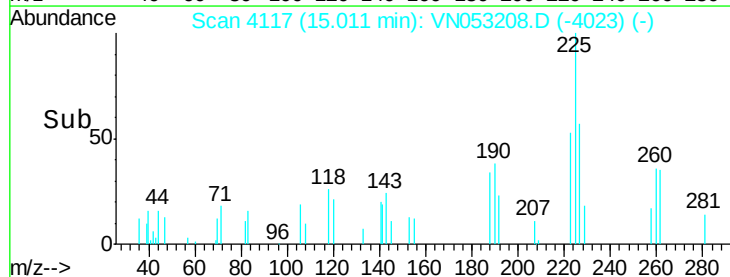
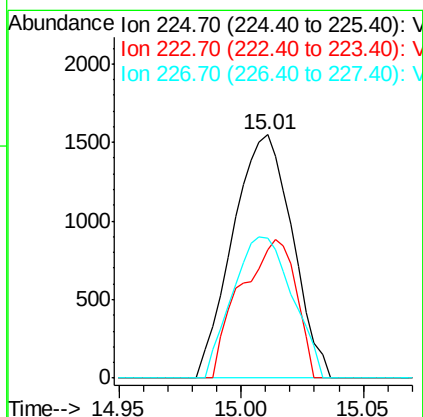
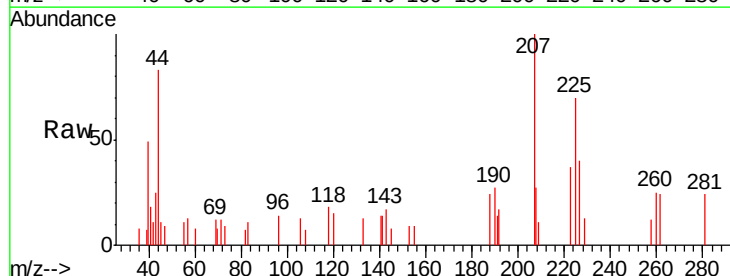
Instrument :
 MSVOA_N
 ClientSampleId :
 30061

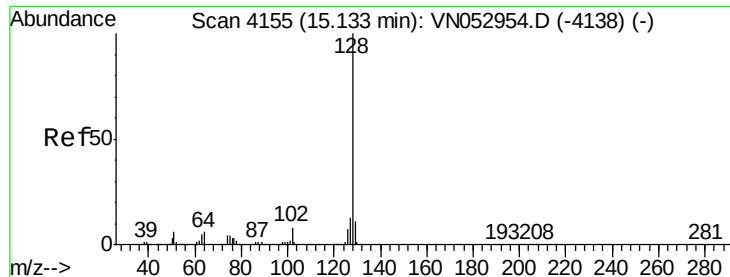
Tgt Ion:180 Resp: 5544
 Ion Ratio Lower Upper
 180 100
 182 87.9 47.8 143.3
 145 24.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053208.D
 Acq: 27 Dec 2018 13:16

Tgt Ion:225 Resp: 2622
 Ion Ratio Lower Upper
 225 100
 223 53.0 31.5 94.5
 227 58.3 31.9 95.7





#95

Naphthalene

Concen: 1.649 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

30061

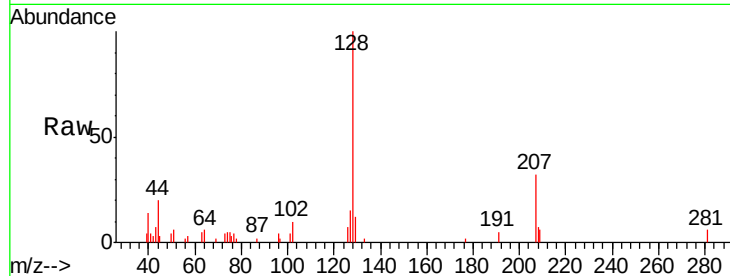
Tgt Ion:128 Resp: 14978

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

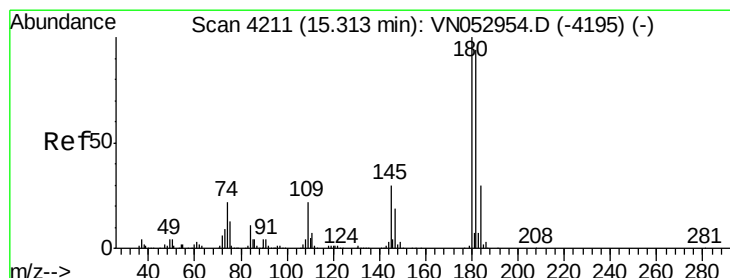
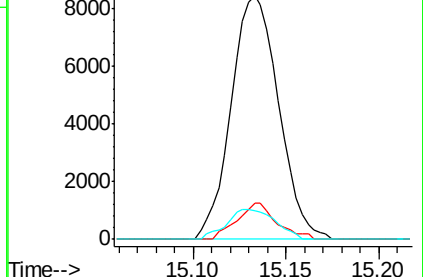
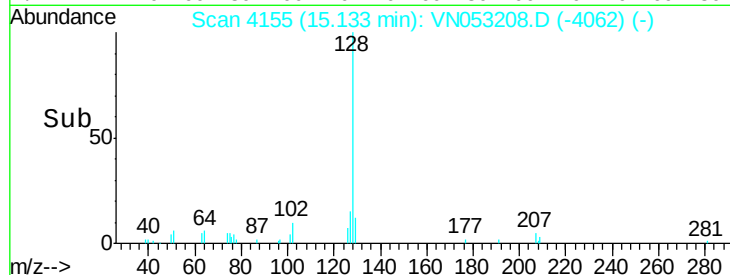
129 12.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.977 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053208.D

Acq: 27 Dec 2018 13:16

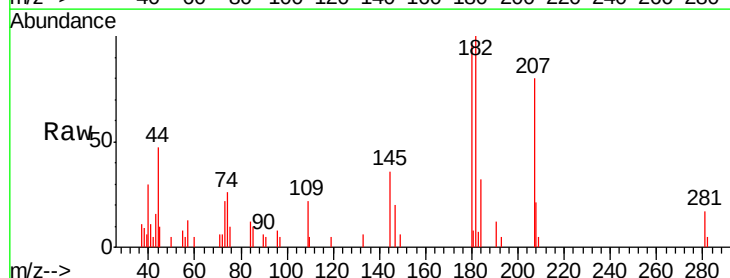
Tgt Ion:180 Resp: 5674

Ion Ratio Lower Upper

180 100

182 107.2 47.9 143.7

145 35.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

