

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

Quant Time: Aug 15 07:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	938062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396857	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.59	113	373383	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1330613	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.40	95	362354	38.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.82%	

Target Compounds

					Qvalue
3) Chloromethane	2.06	50	3229	Below Cal	89
5) Bromomethane	2.57	94	4880	Below Cal	92
6) Chloroethane	2.72	64	534	Below Cal #	53
10) Methyl Iodide	3.96	142	2330	7.338 ug/l #	68
11) Tert butyl alcohol	4.80	59	430	1.025 ug/l #	72
13) Acrolein	3.61	56	276	Below Cal #	46
16) Acetone	3.82	43	30381	14.469 ug/l	94
17) Carbon Disulfide	4.05	76	6450	0.310 ug/l	96
18) Methyl Acetate	4.33	43	17337	2.262 ug/l #	71
20) Methylene Chloride	4.56	84	7760	Below Cal	93
25) 2-Butanone	6.84	43	10098	3.205 ug/l #	86
26) 2,2-Dichloropropane	6.83	77	6692	0.732 ug/l #	51
29) Tetrahydrofuran	7.22	42	939	0.571 ug/l #	71
31) Cyclohexane	7.66	56	11355	0.633 ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41660	3.990 ug/l #	48
37) Ethyl Acetate	6.93	43	11635	1.971 ug/l #	93
38) Carbon Tetrachloride	7.67	117	53778	4.964 ug/l #	17
43) Isopropyl Acetate	8.17	43	6826	0.635 ug/l #	91
48) Methyl methacrylate	9.17	41	1583	0.292 ug/l #	35
51) 4-Methyl-2-Pentanone	9.99	43	7720	1.061 ug/l	99
56) Ethyl methacrylate	10.17	69	29	1.908 ug/l #	1
59) 2-Hexanone	10.75	43	2534	0.540 ug/l	79
64) Tetrachloroethene	10.63	164	1673	0.226 ug/l #	84
70) Styrene	11.97	104	1535	1.013 ug/l	93
71) Bromoform	12.40	173	2177	0.442 ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	1253	Below Cal #	42
76) 1,2,3-Trichloropropane	12.40	75	169777	35.257 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169777	127.728 ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	2376	0.223 ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	2376	0.224 ug/l	93
89) n-Butylbenzene	13.62	91	3560	0.248 ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	2349	0.226 ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	177	0.215 ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3365	3.270 ug/l	99

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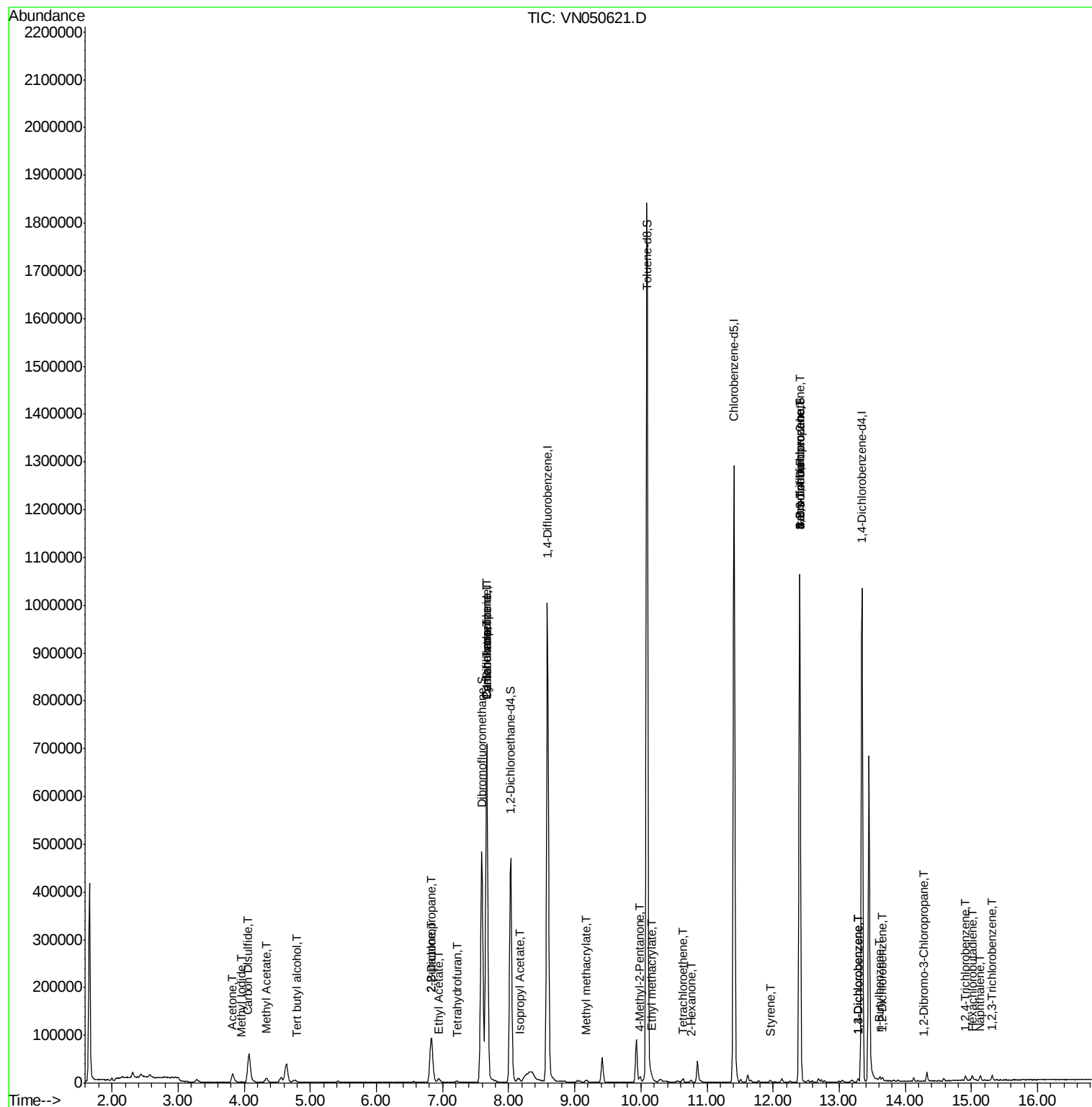
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	2164	0.678	ug/l	93
95) Naphthalene	15.13	128	8422	4.545	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3786	2.668	ug/l	97

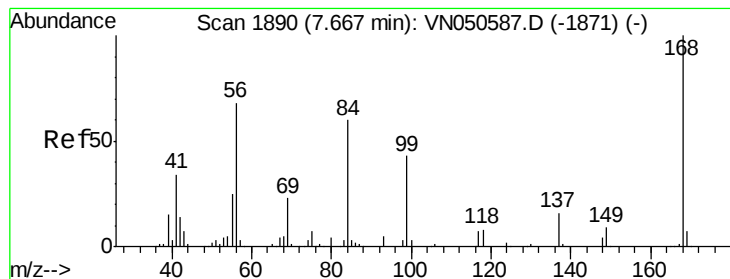
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

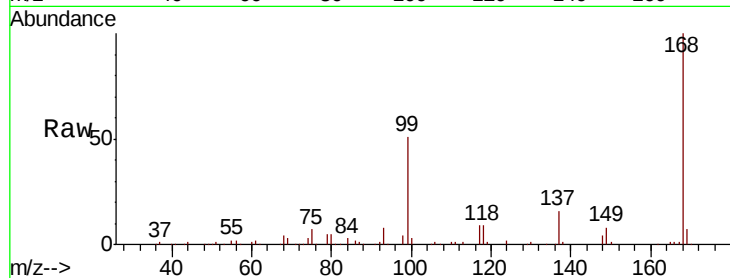
954-FB081318

Tgt Ion:168 Resp: 609611

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

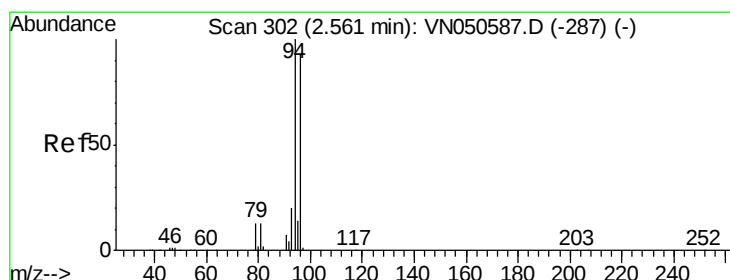
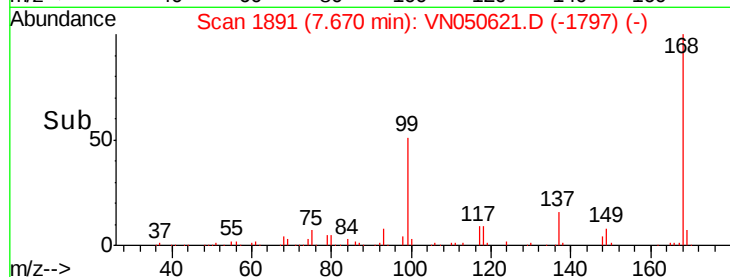
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050621.D

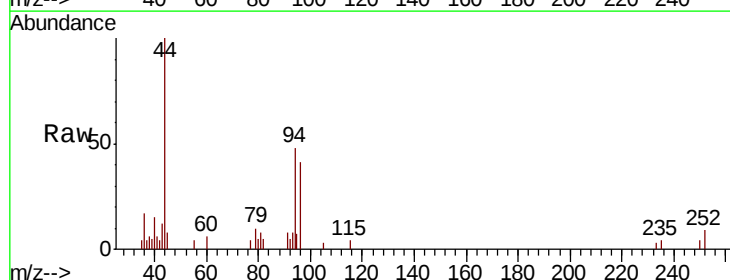
Acq: 14 Aug 2018 23:49

Tgt Ion: 94 Resp: 4880

Ion Ratio Lower Upper

94 100

96 84.6 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2500

2000

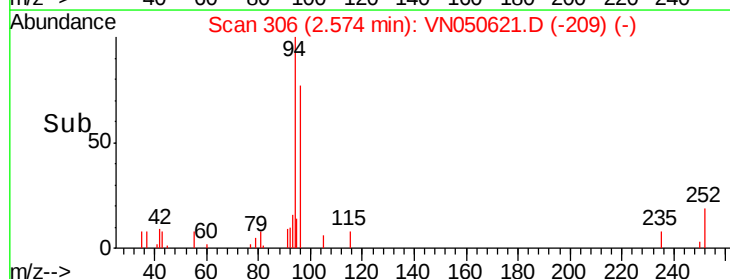
1500

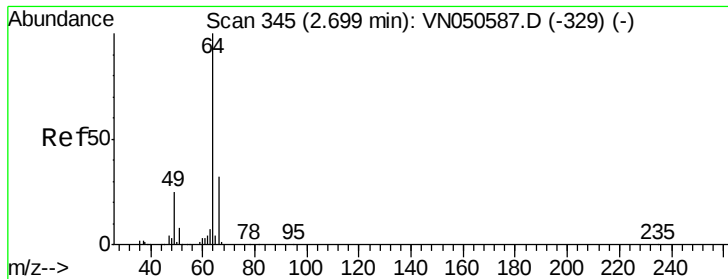
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

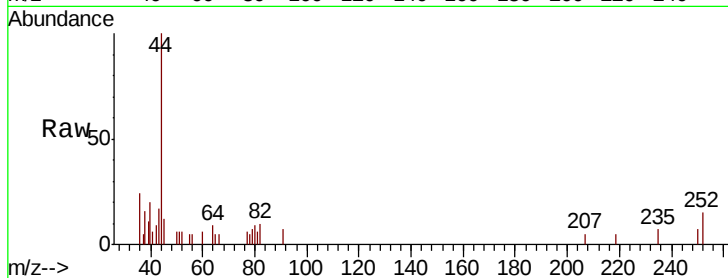
954-FB081318

Tgt Ion: 64 Resp: 534

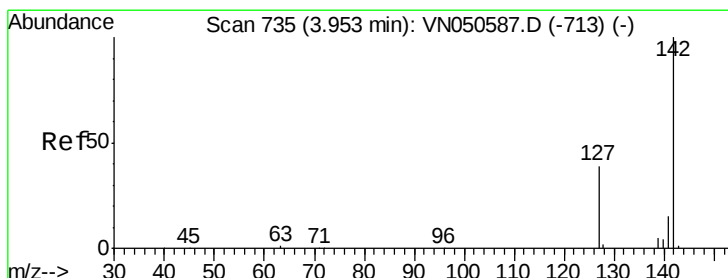
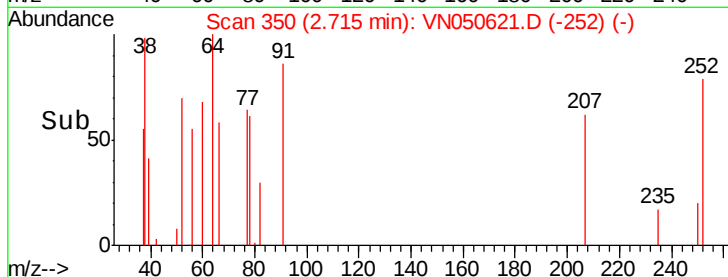
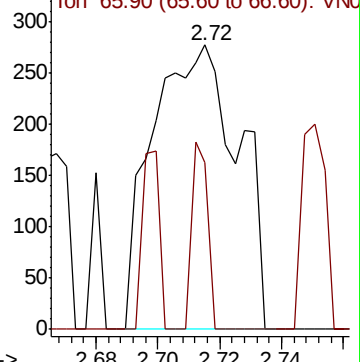
Ion Ratio Lower Upper

64 100

66 58.5 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)



#10

Methyl Iodide

Concen: 7.338 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

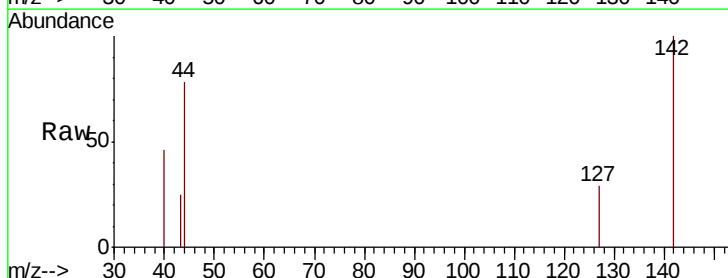
Tgt Ion: 142 Resp: 2330

Ion Ratio Lower Upper

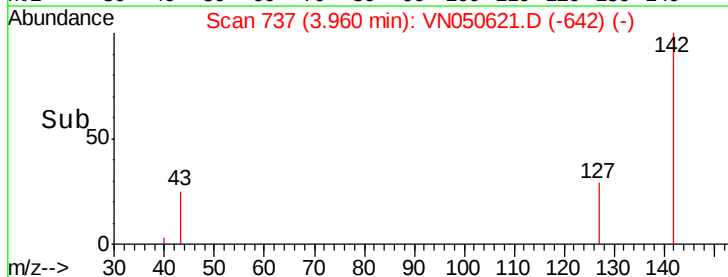
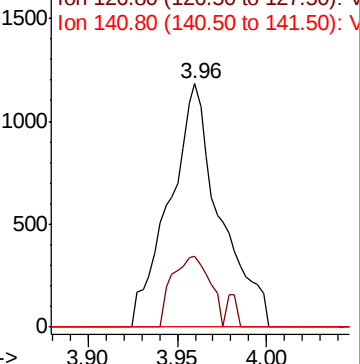
142 100

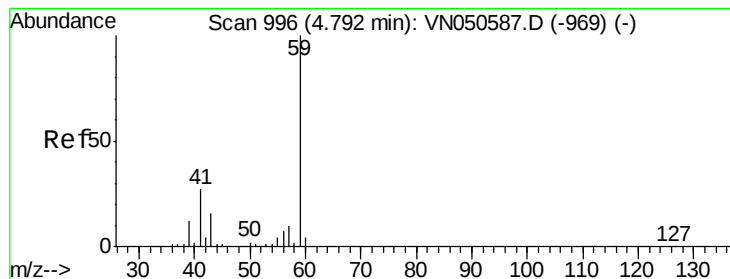
127 21.9 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050587.D (-713) (-)



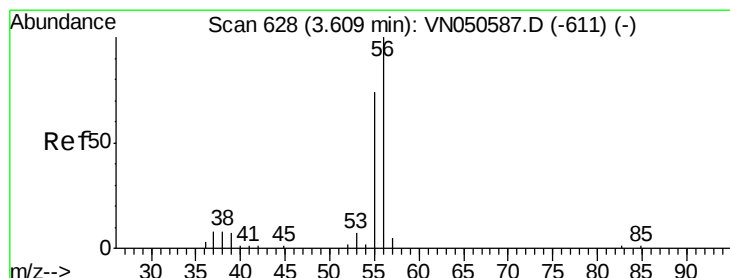
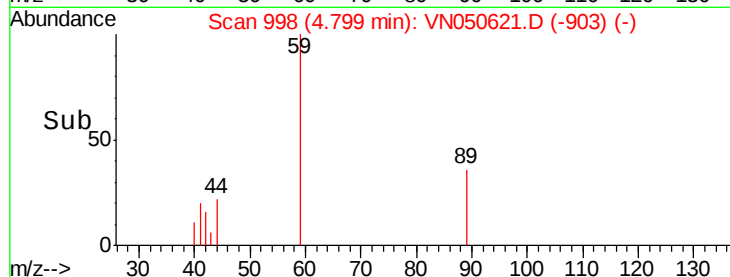
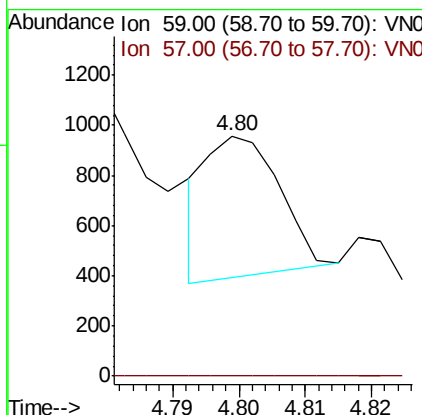
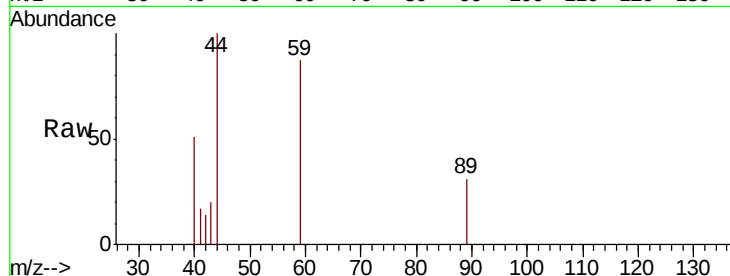


#11

Tert butyl alcohol
 Concen: 1.025 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050621.D
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 954-FB081318

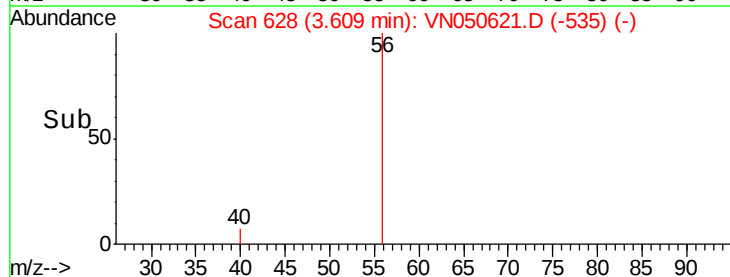
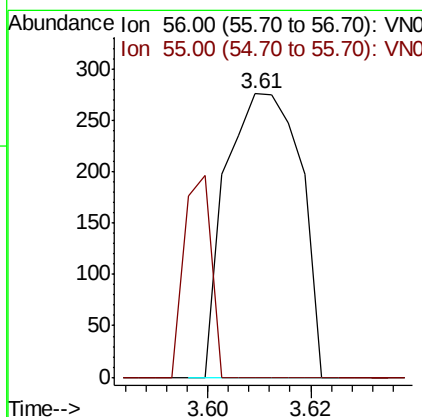
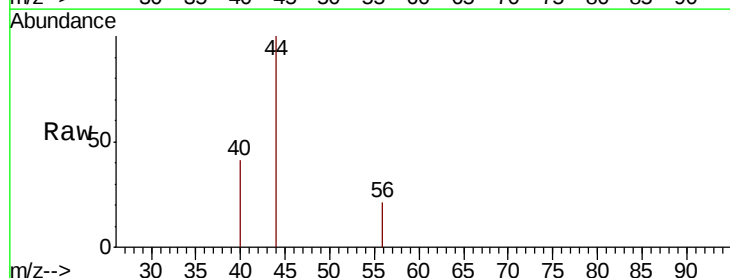
Tgt Ion: 59 Resp: 430
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

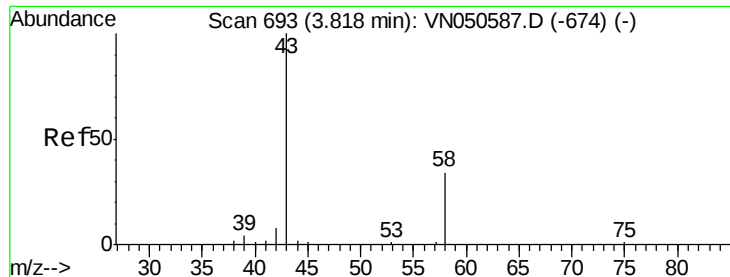


#13

Acrolein
 Concen: Below Cal
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion: 56 Resp: 276
 Ion Ratio Lower Upper
 56 100
 55 26.1 56.3 84.5#





#16

Acetone

Concen: 14.469 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

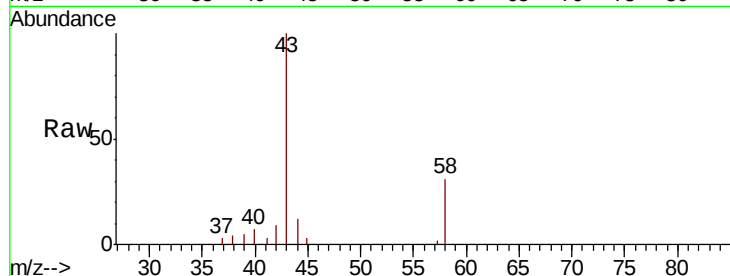
954-FB081318

Tgt Ion: 43 Resp: 30381

Ion Ratio Lower Upper

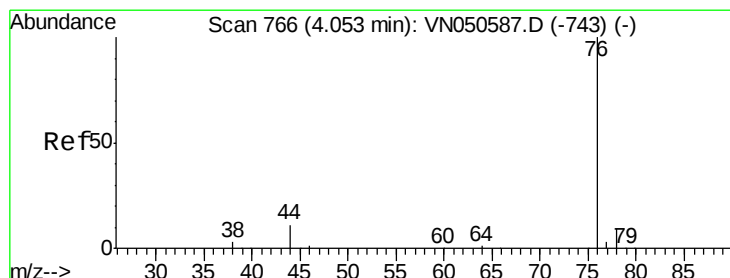
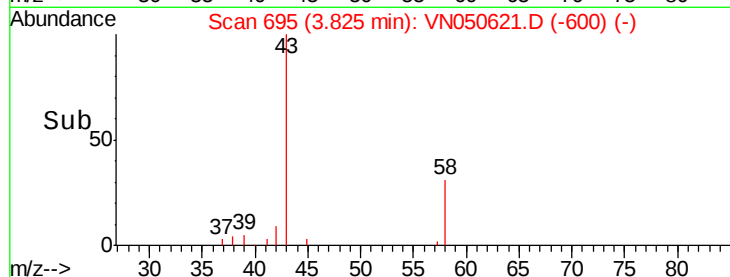
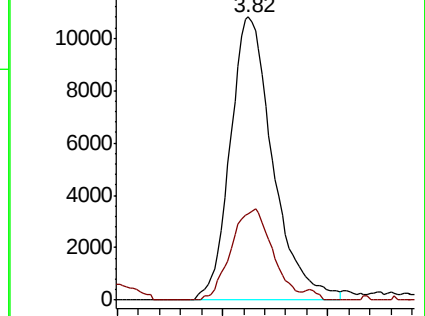
43 100

58 30.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.310 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050621.D

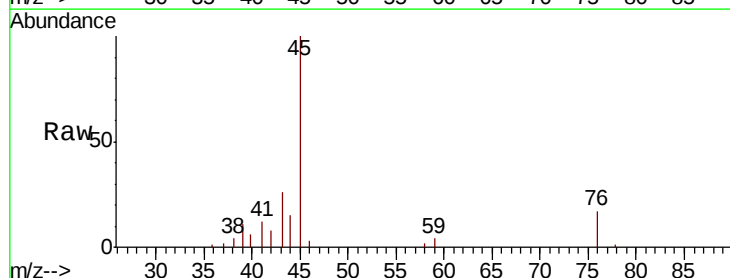
Acq: 14 Aug 2018 23:49

Tgt Ion: 76 Resp: 6450

Ion Ratio Lower Upper

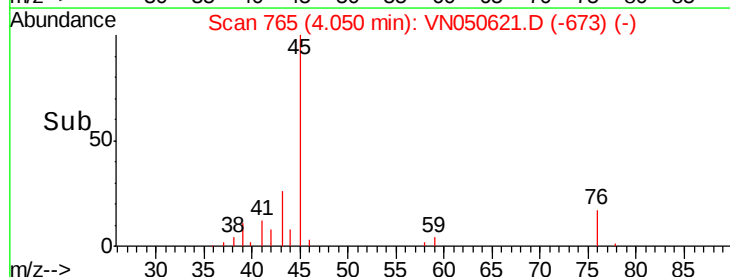
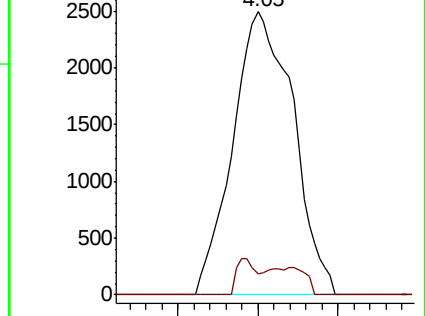
76 100

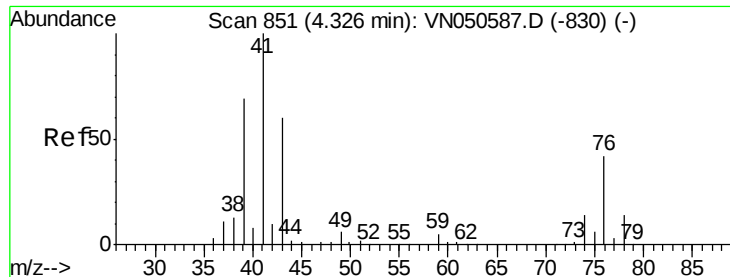
78 7.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

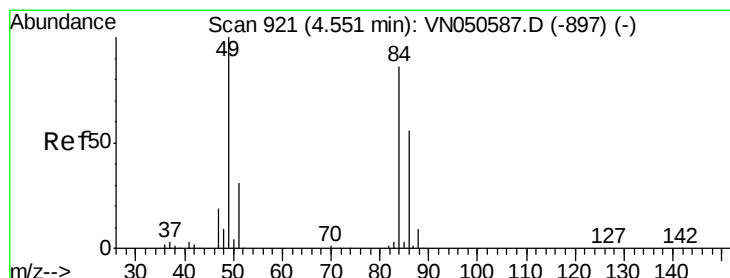
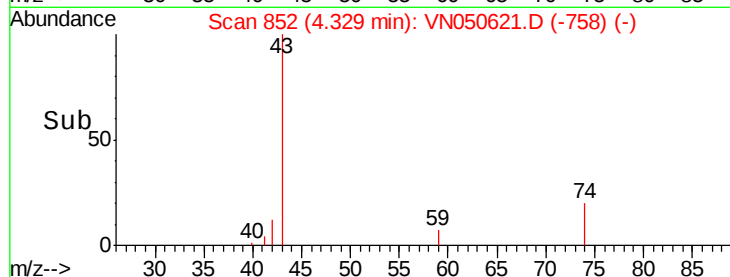
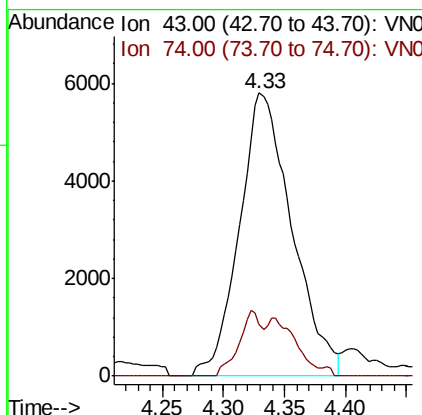
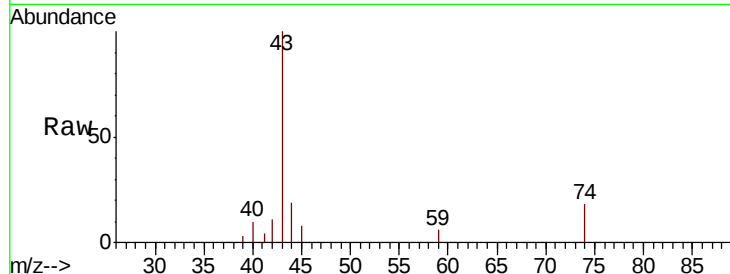




#18
Methyl Acetate
Concen: 2.262 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

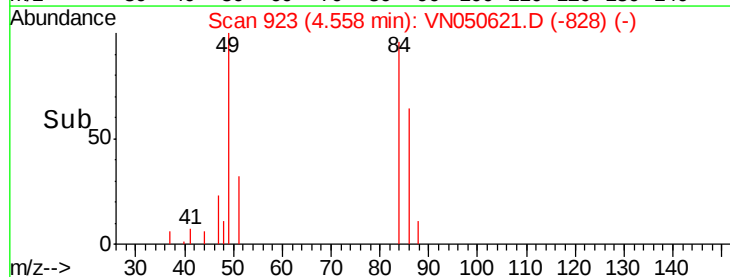
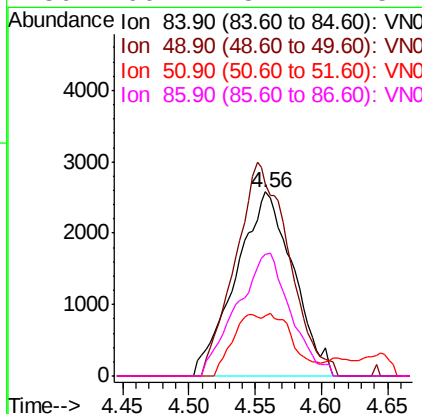
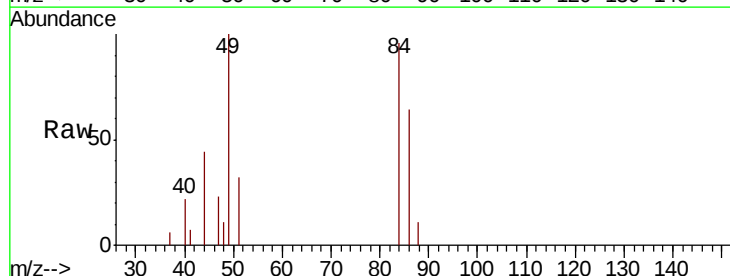
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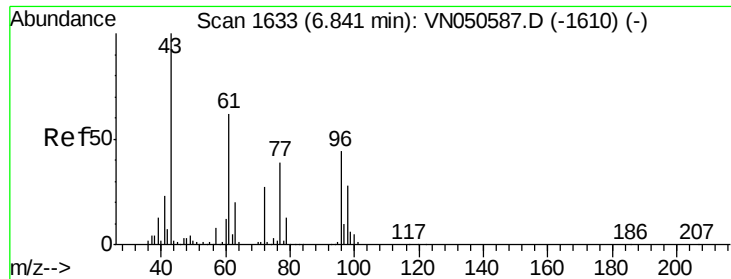
Tgt Ion: 43 Resp: 17337
Ion Ratio Lower Upper
43 100
74 10.0 19.7 29.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

Tgt Ion: 84 Resp: 7760
Ion Ratio Lower Upper
84 100
49 104.0 92.6 138.8
51 32.8 28.6 43.0
86 66.2 52.2 78.2

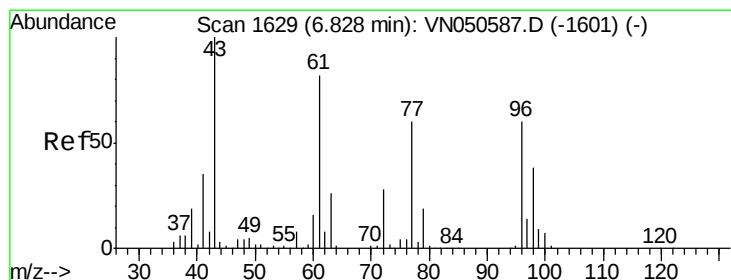
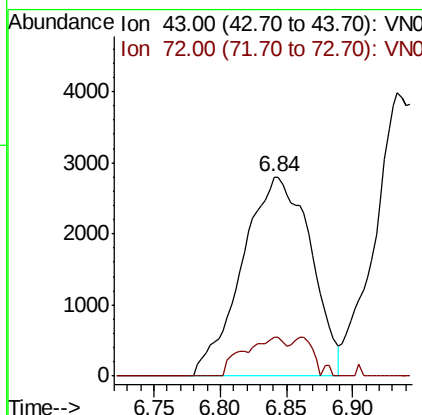
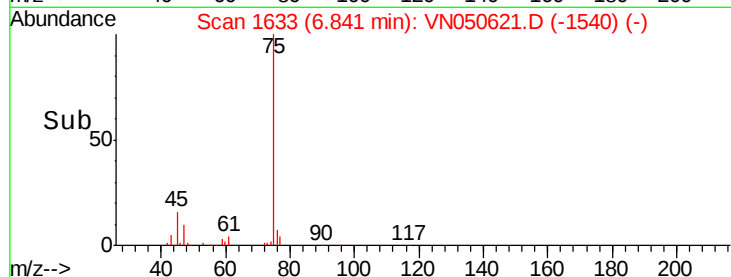
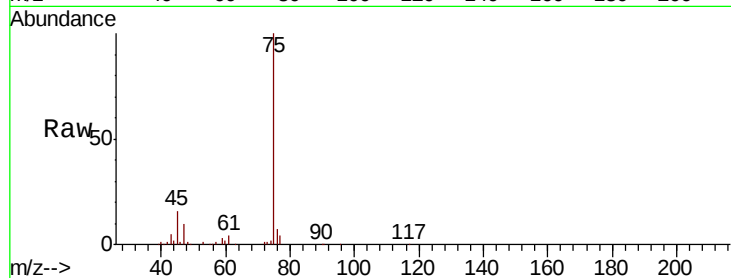




#25
 2-Butanone
 Concen: 3.205 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

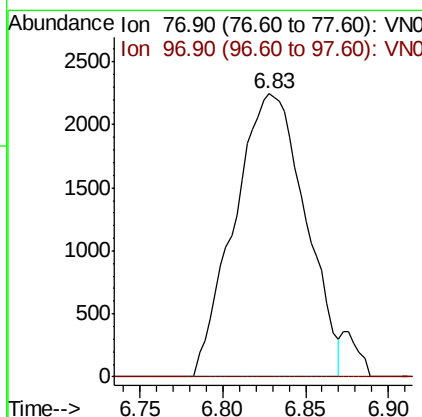
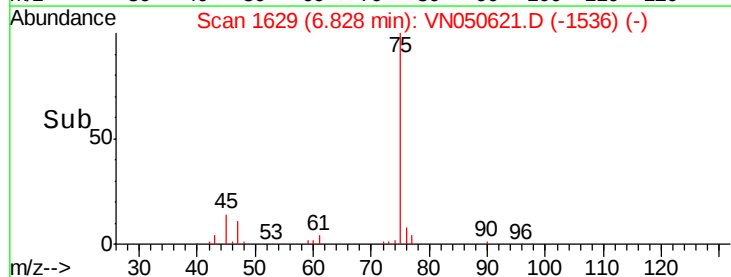
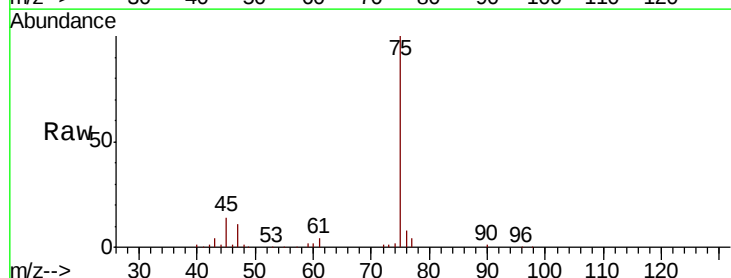
Instrument :
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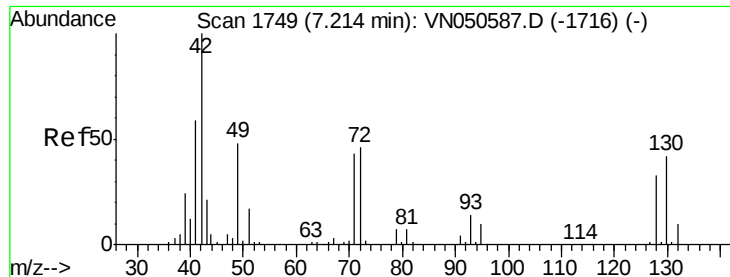
Tgt Ion: 43 Resp: 10098
 Ion Ratio Lower Upper
 43 100
 72 19.7 21.8 32.6#



#26
 2,2-Dichloropropane
 Concen: 0.732 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion: 77 Resp: 6692
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.4#





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

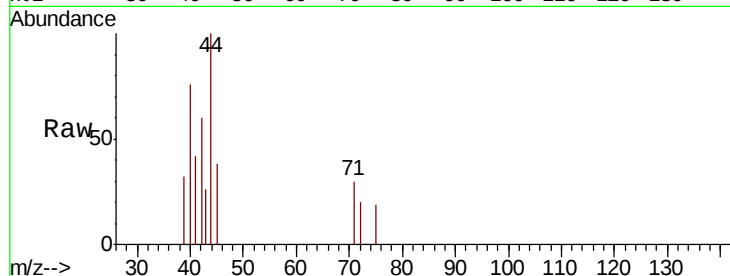
Tgt Ion: 42 Resp: 939

Ion Ratio Lower Upper

42 100

72 14.2 35.8 53.6#

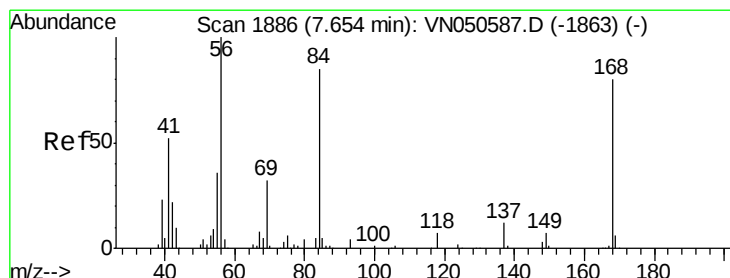
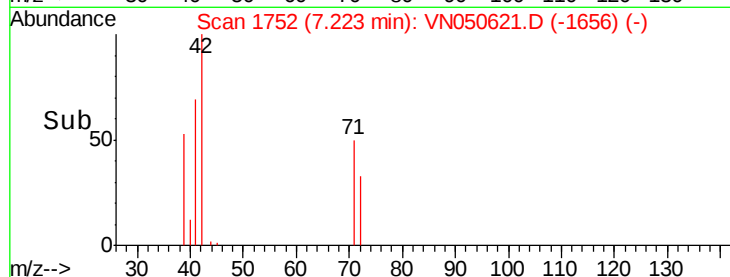
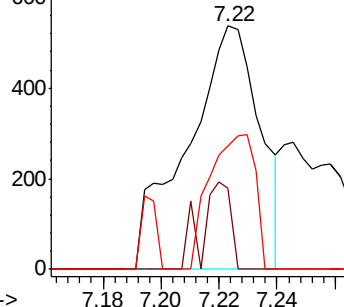
71 34.9 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.633 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

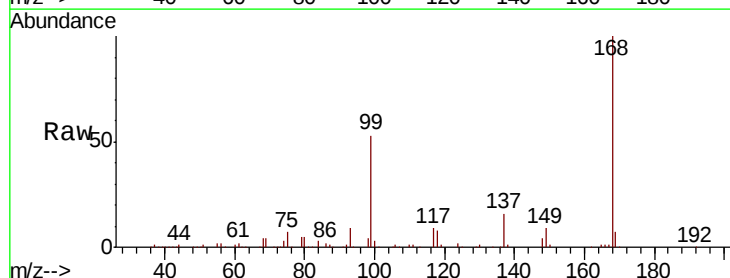
Tgt Ion: 56 Resp: 11355

Ion Ratio Lower Upper

56 100

69 174.1 25.8 38.6#

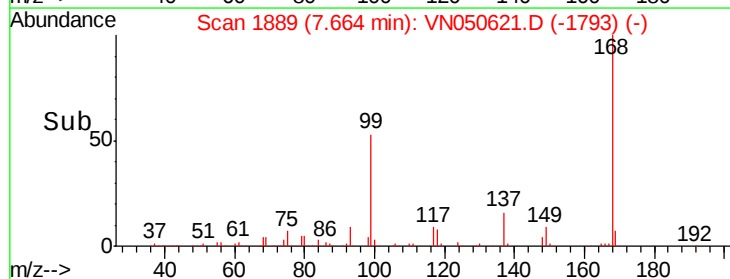
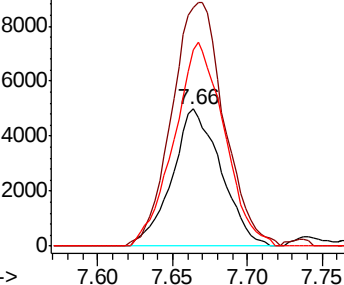
84 142.9 67.8 101.6#

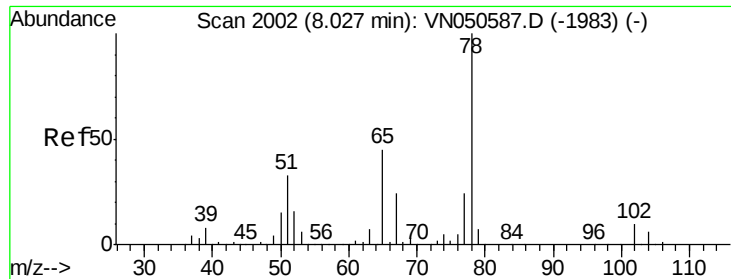


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

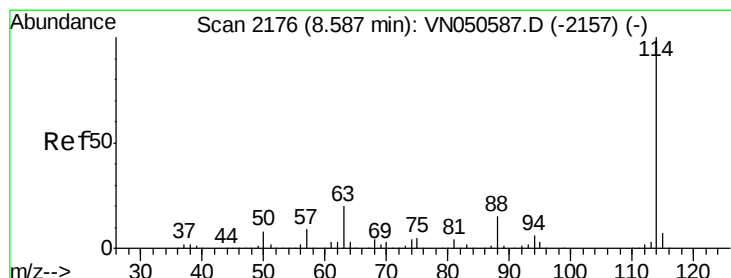
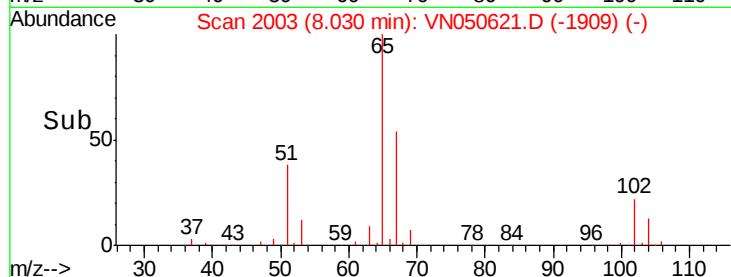
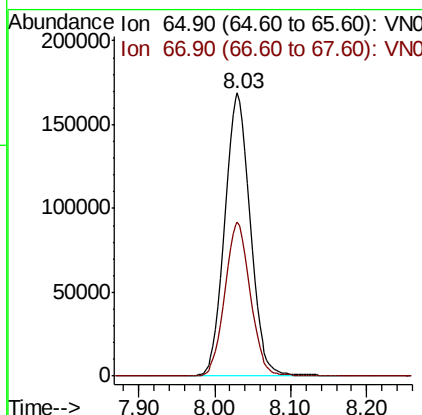
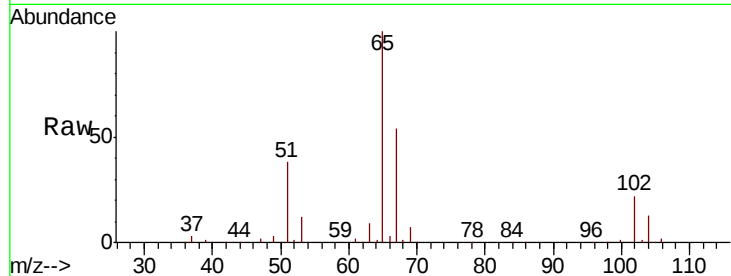




#33
 1,2-Dichloroethane-d4
 Concen: 51.646 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

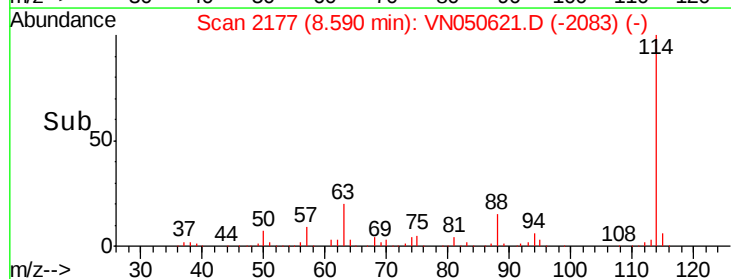
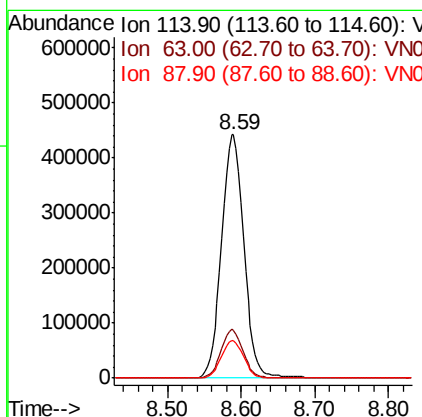
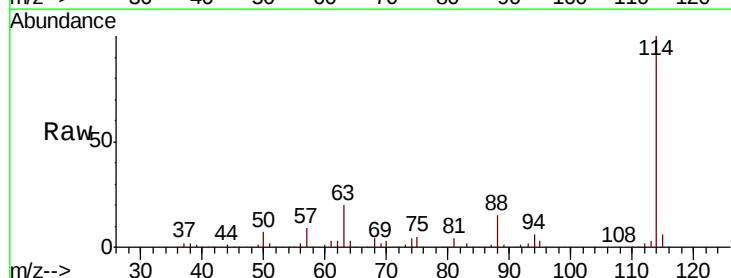
Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

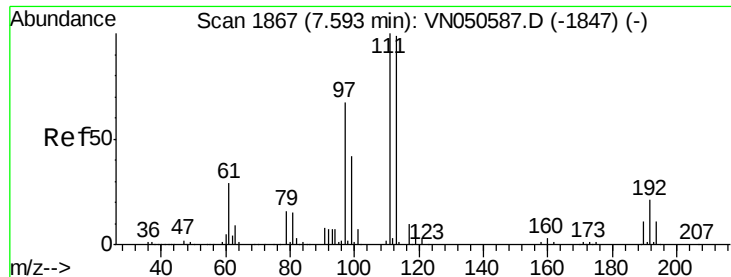
Tgt Ion: 65 Resp: 396857
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion: 114 Resp: 938062
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

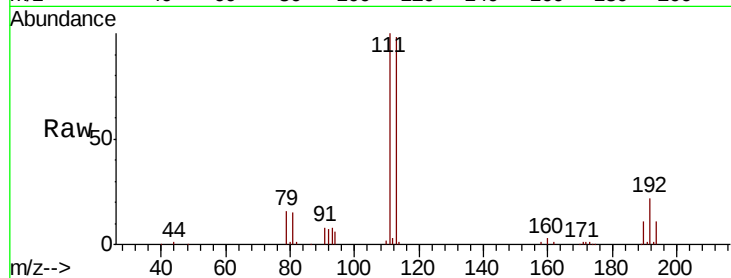
Tgt Ion:113 Resp: 373383

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.6

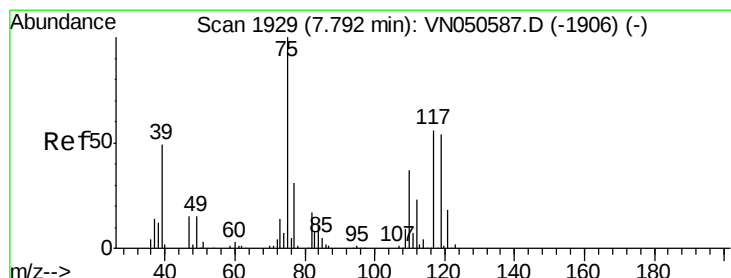
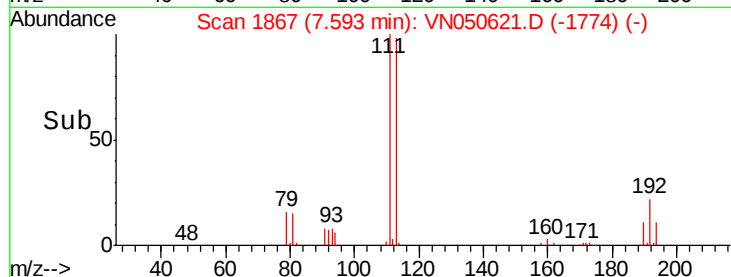
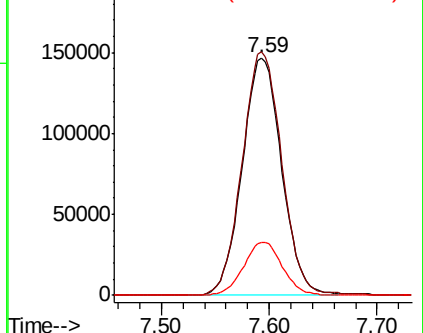
192 22.1 17.6 26.4



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: 3.990 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

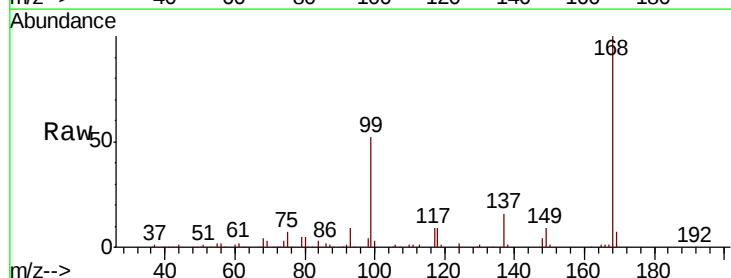
Tgt Ion: 75 Resp: 41660

Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.9#

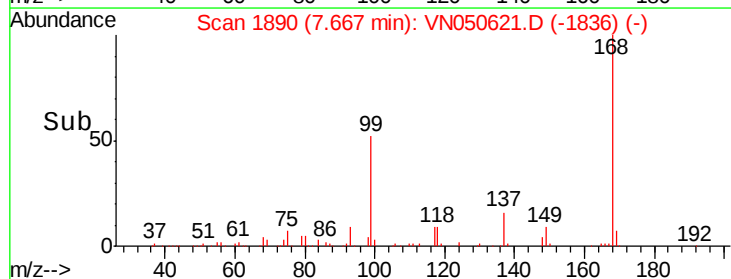
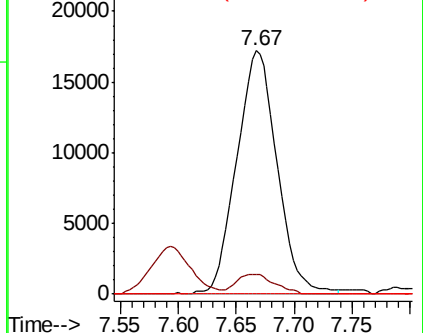
77 0.0 25.0 37.4#

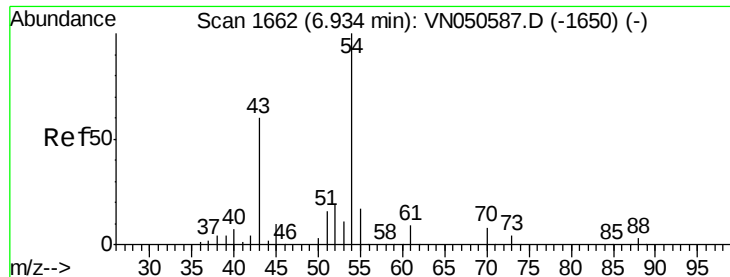


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

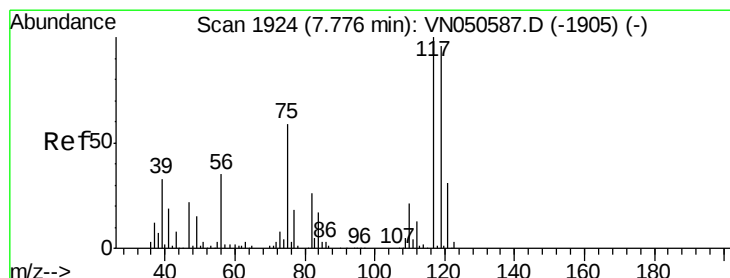
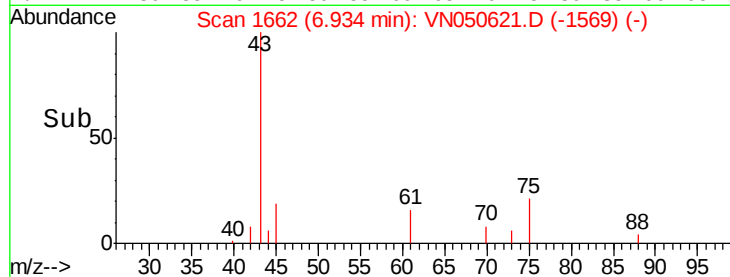
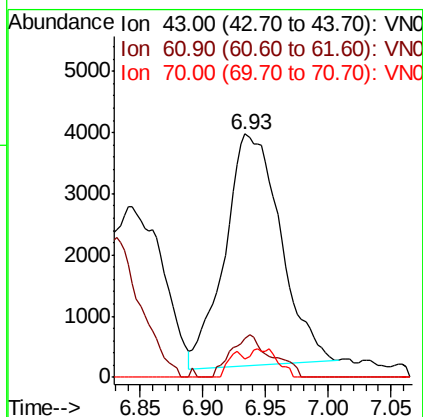
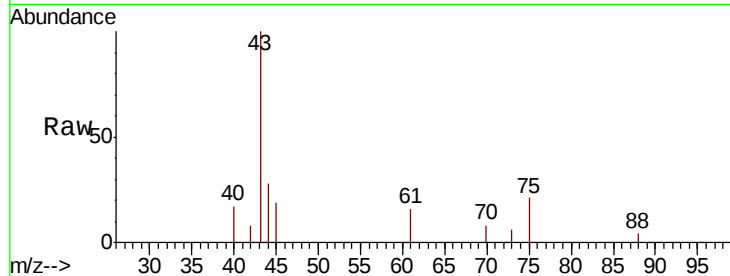




#37
Ethyl Acetate
 Concen: 1.971 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

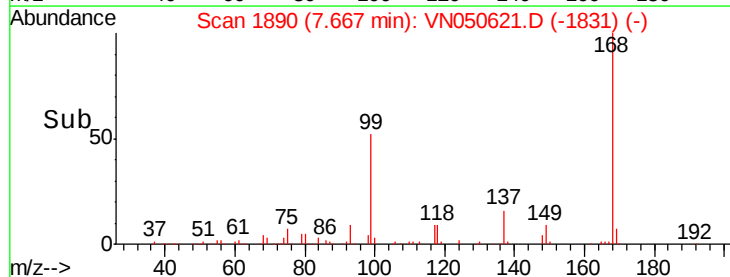
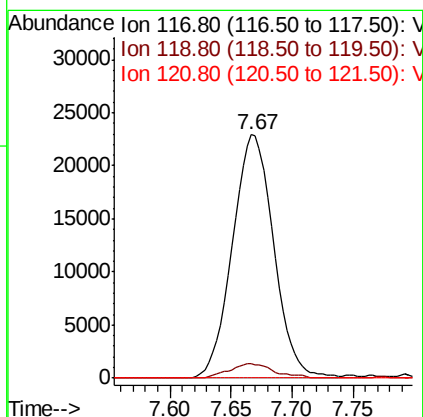
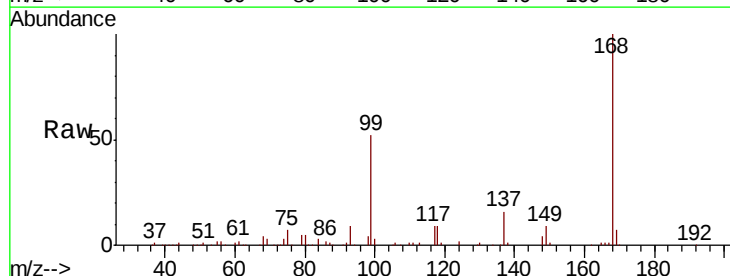
Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

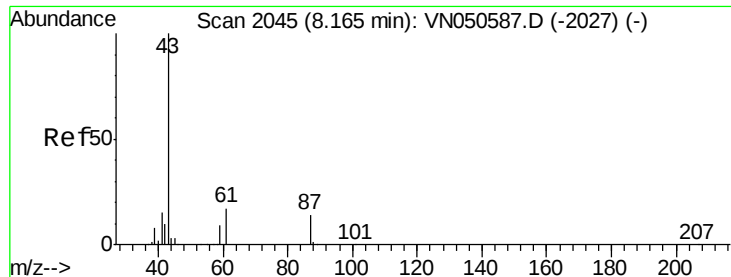
Tgt Ion: 43 Resp: 11635
 Ion Ratio Lower Upper
 43 100
 61 13.5 12.0 18.0
 70 6.1 8.5 12.7#



#38
Carbon Tetrachloride
 Concen: 4.964 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion: 117 Resp: 53778
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.6 115.0#
 121 0.0 25.0 37.6#

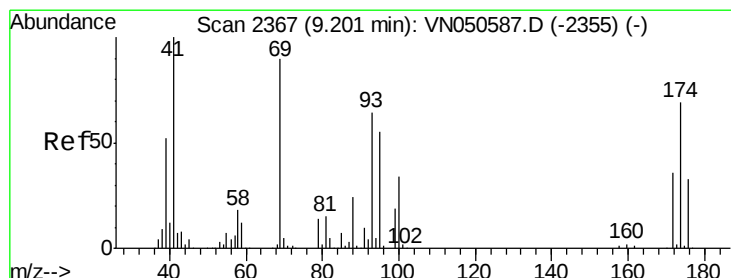
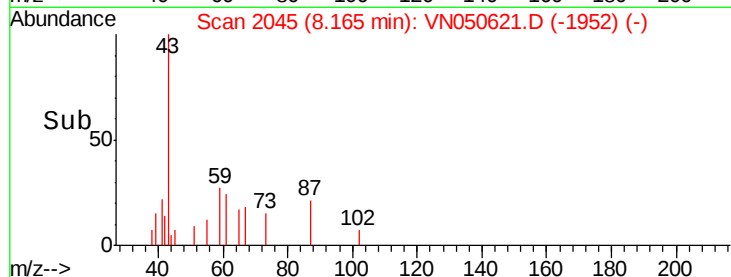
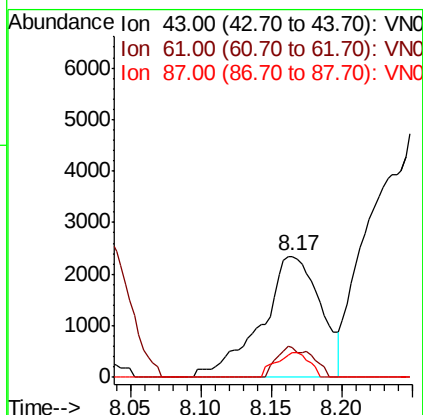
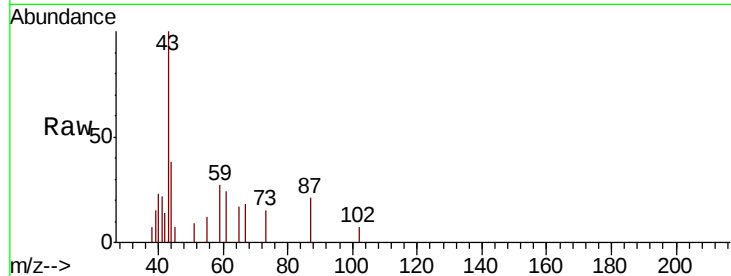




#43
Isopropyl Acetate
Concen: 0.635 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

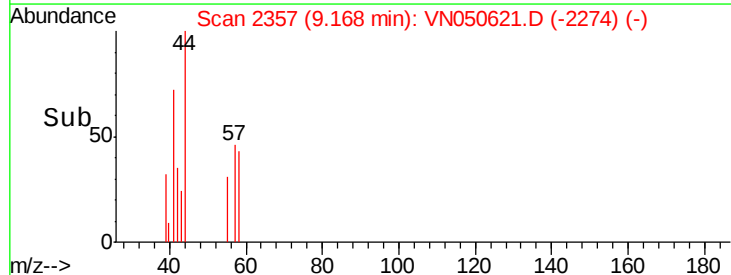
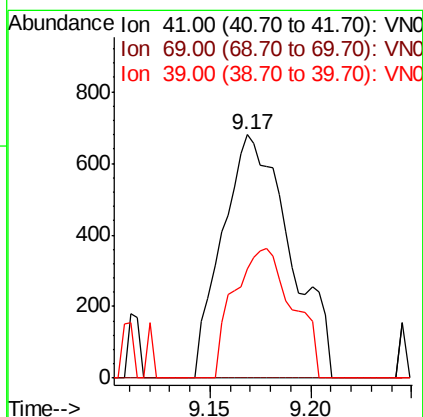
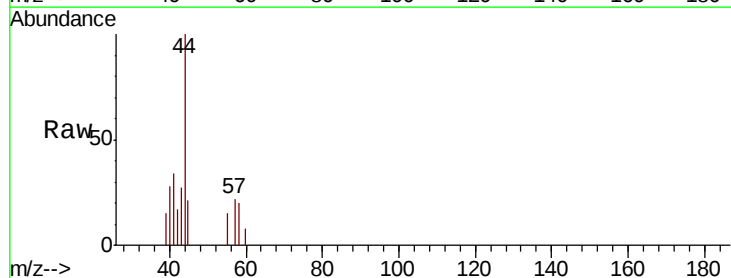
Instrument :
MSVOA_N
ClientSampleId :
954-FB081318

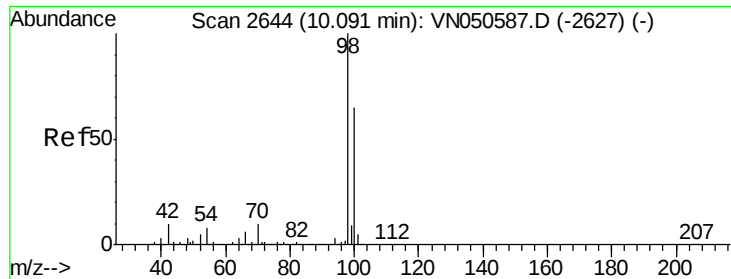
Tgt Ion: 43 Resp: 6826
Ion Ratio Lower Upper
43 100
61 15.2 16.2 24.2#
87 11.5 10.9 16.3



#48
Methyl methacrylate
Concen: 0.292 ug/l
RT: 9.17 min Scan# 2357
Delta R.T. -0.03 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

Tgt Ion: 41 Resp: 1583
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 46.4 43.0 64.6





#50

Toluene-d8

Concen: 47.209 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

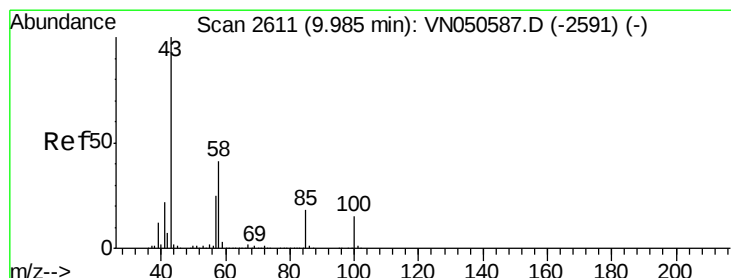
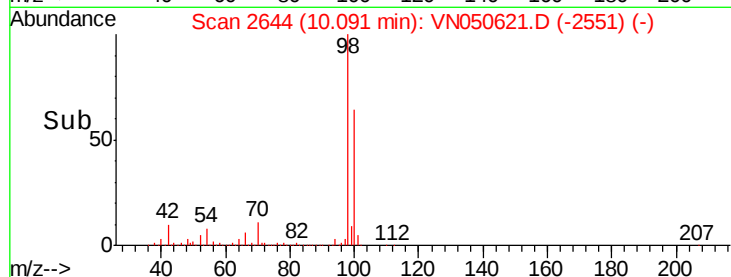
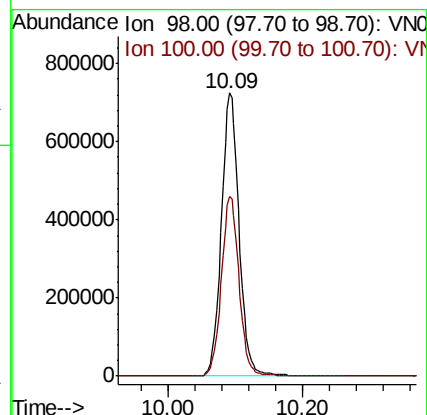
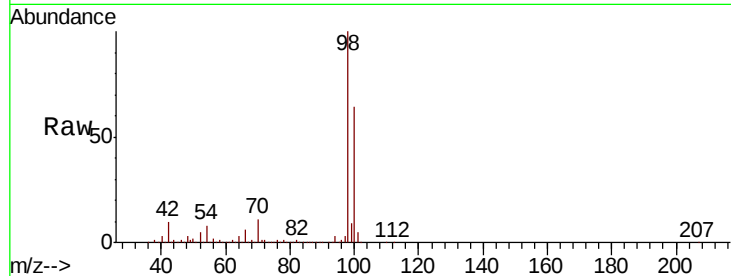
954-FB081318

Tgt Ion: 98 Resp: 1330613

Ion Ratio Lower Upper

98 100

100 63.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.061 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050621.D

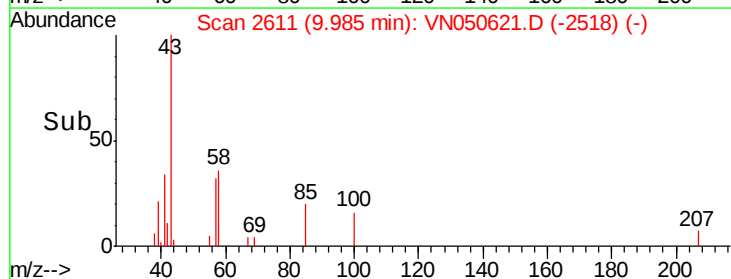
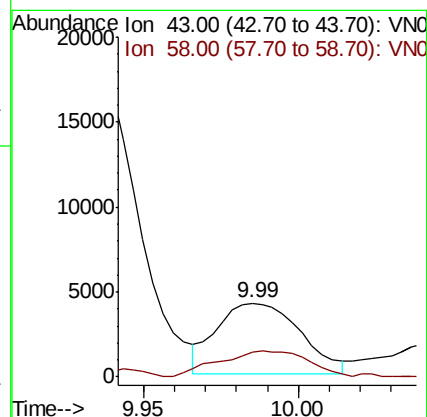
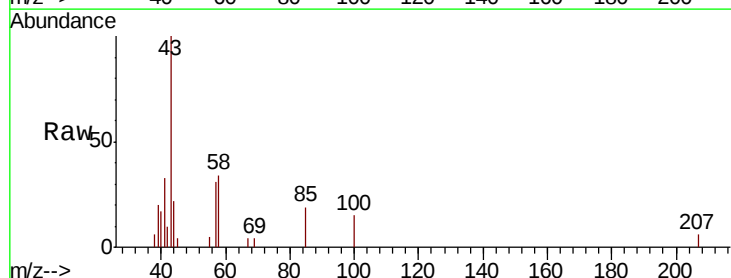
Acq: 14 Aug 2018 23:49

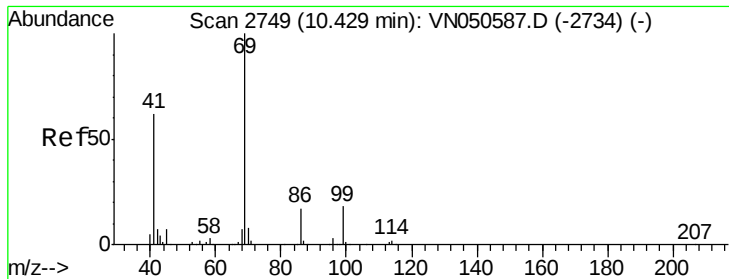
Tgt Ion: 43 Resp: 7720

Ion Ratio Lower Upper

43 100

58 40.0 32.5 48.7





#56

Ethyl methacrylate

Concen: 1.908 ug/l

RT: 10.17 min Scan# 2670

Delta R.T. -0.25 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampled :

954-FB081318

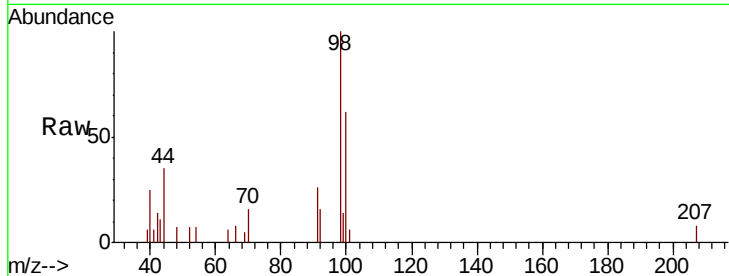
Tgt Ion: 69 Resp: 29

Ion Ratio Lower Upper

69 100

41 348.3 49.7 74.5#

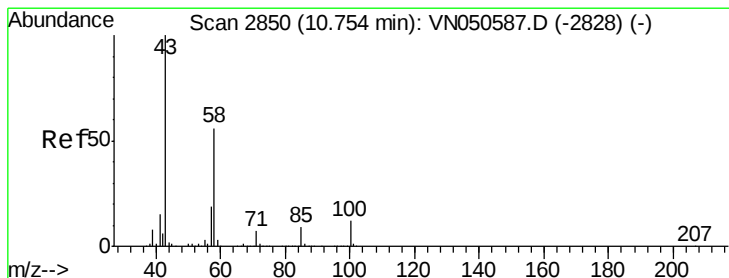
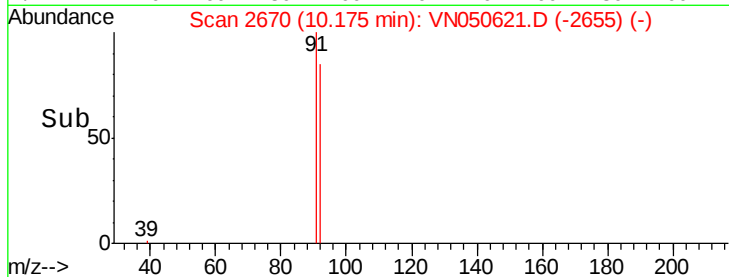
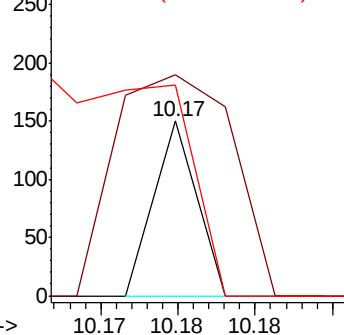
39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.540 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050621.D

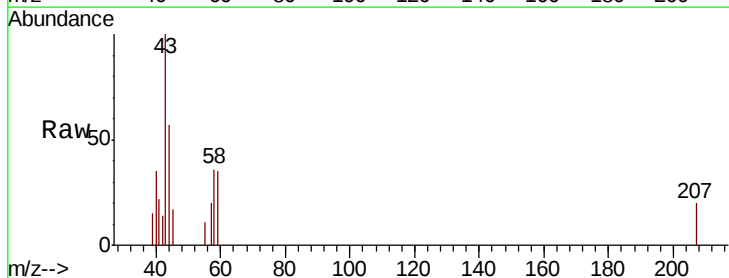
Acq: 14 Aug 2018 23:49

Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

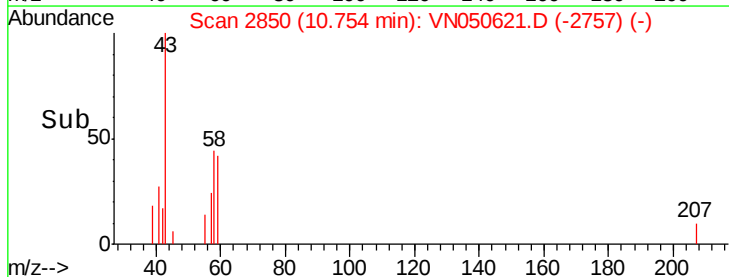
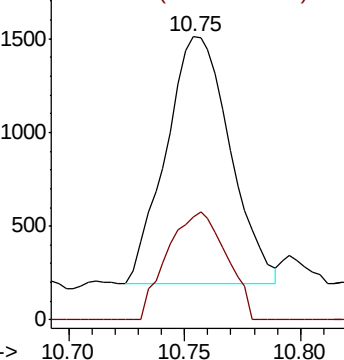
43 100

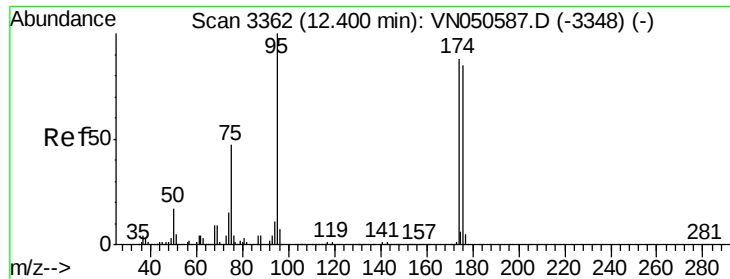
58 40.3 28.0 84.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.915 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

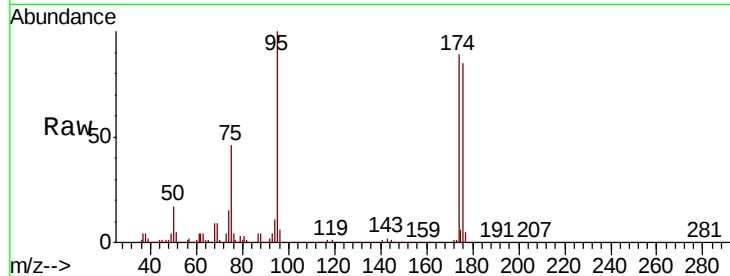
Tgt Ion: 95 Resp: 362354

Ion Ratio Lower Upper

95 100

174 90.6 0.0 177.8

176 85.2 0.0 175.0

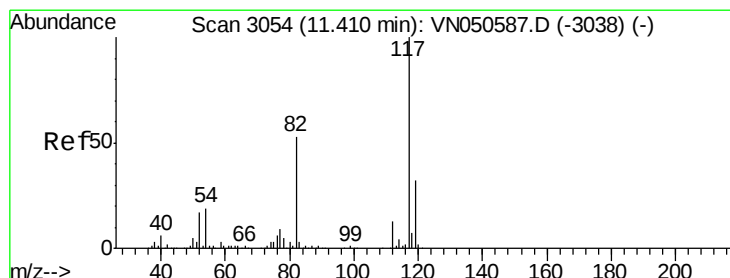
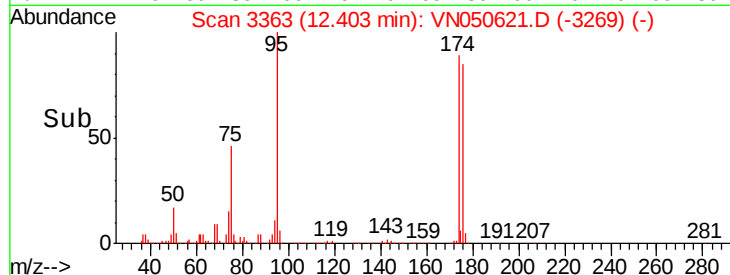


Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

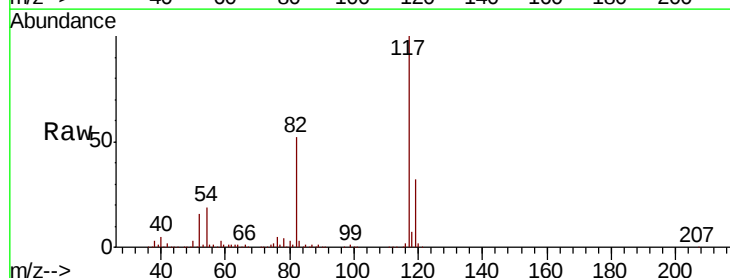
Tgt Ion: 117 Resp: 795716

Ion Ratio Lower Upper

117 100

82 52.4 42.4 63.6

119 31.9 25.8 38.8

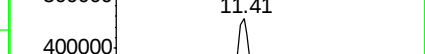
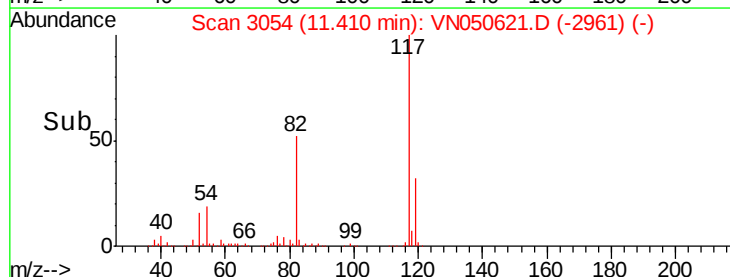


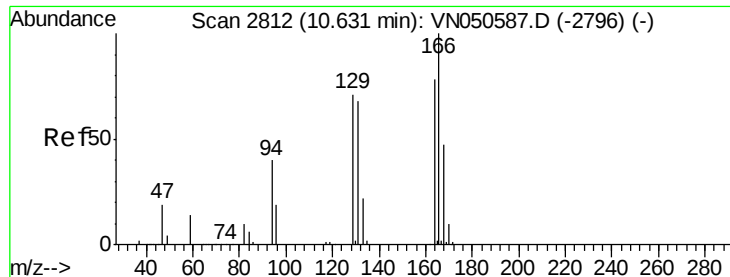
Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)

Time-->

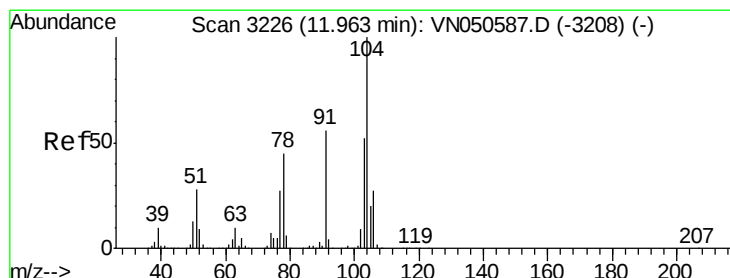
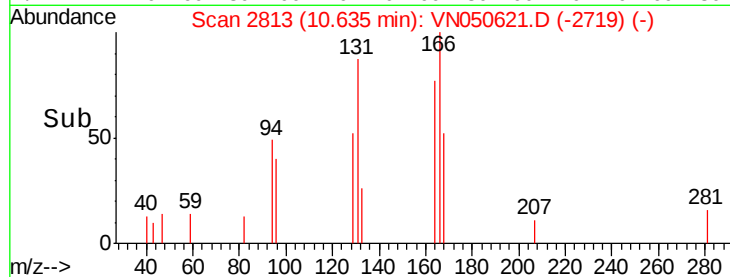
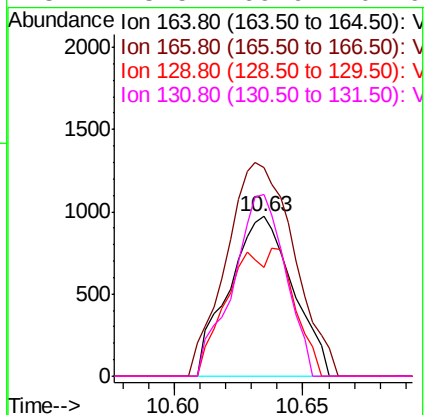
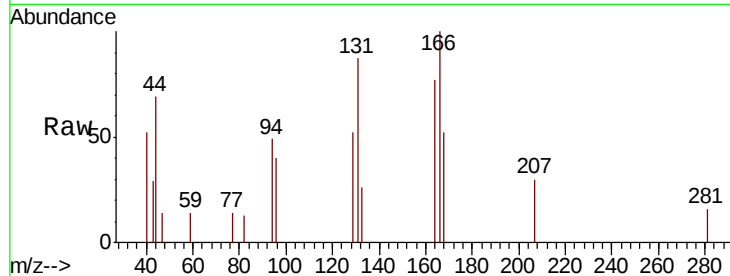




#64
Tetrachloroethene
Concen: 0.226 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

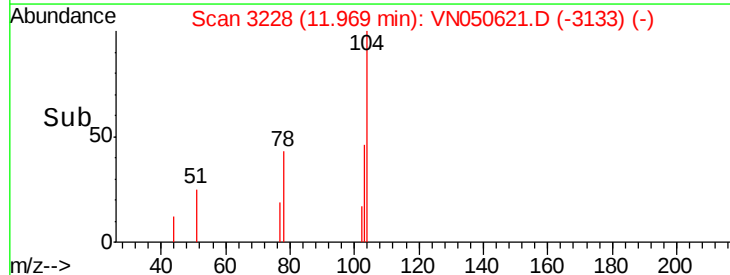
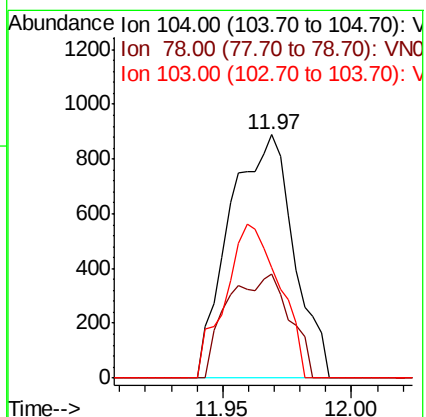
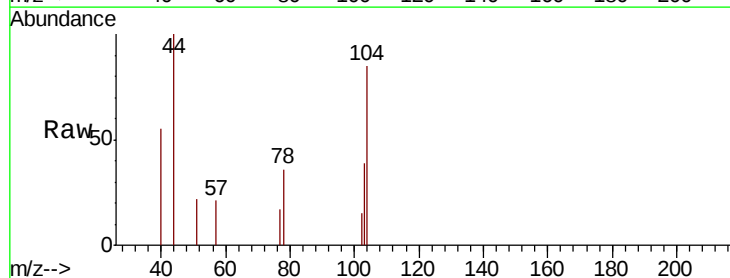
Instrument :
MSVOA_N
ClientSampleId :
954-FB081318

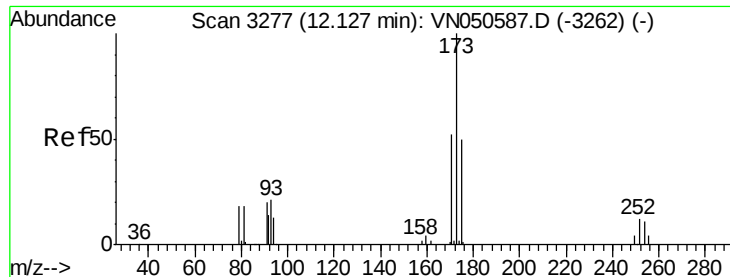
Tgt Ion:164 Resp: 1673
Ion Ratio Lower Upper
164 100
166 130.1 102.1 153.1
129 67.7 72.7 109.1#
131 113.5 69.9 104.9#



#70
Styrene
Concen: 1.013 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.01 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

Tgt Ion:104 Resp: 1535
Ion Ratio Lower Upper
104 100
78 41.5 39.1 58.7
103 53.3 44.9 67.3





#71

Bromoform

Concen: 0.442 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

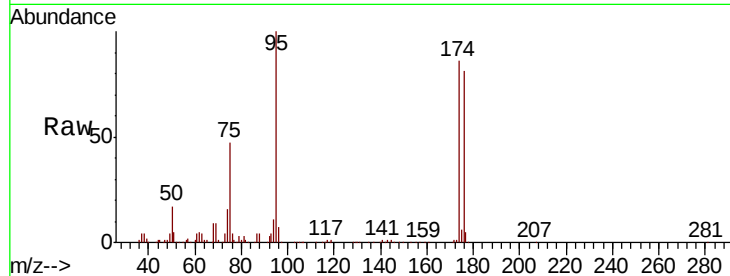
Tgt Ion:173 Resp: 2177

Ion Ratio Lower Upper

173 100

175 908.9 24.4 73.2#

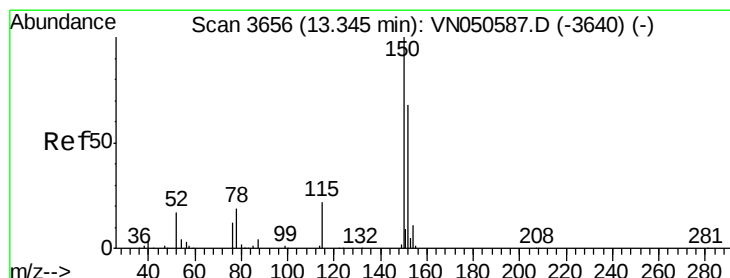
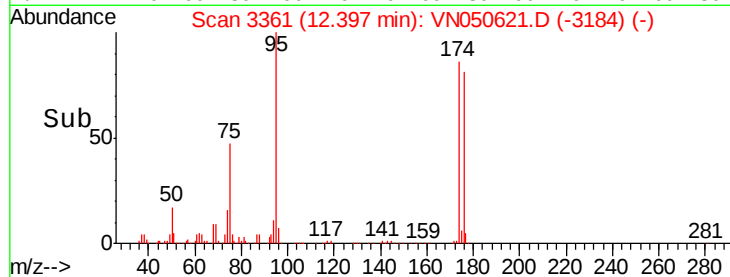
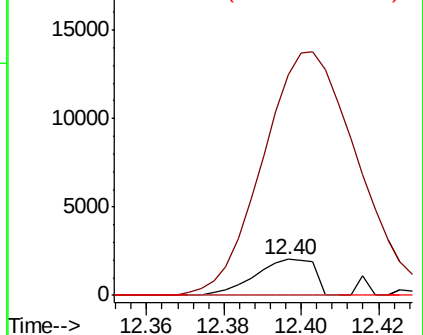
254 0.0 0.0 0.0



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: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

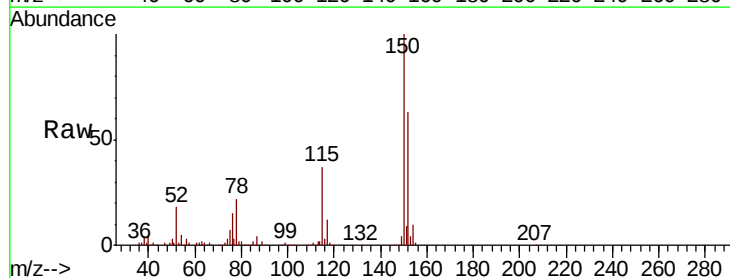
Tgt Ion:152 Resp: 295511

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

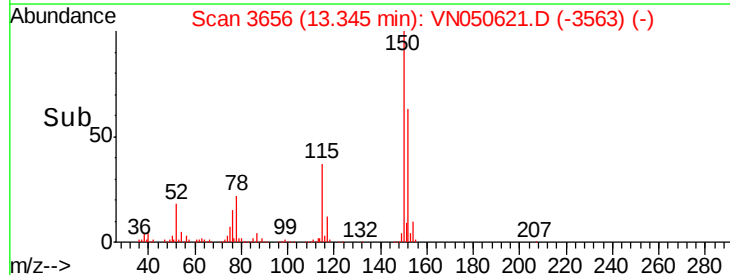
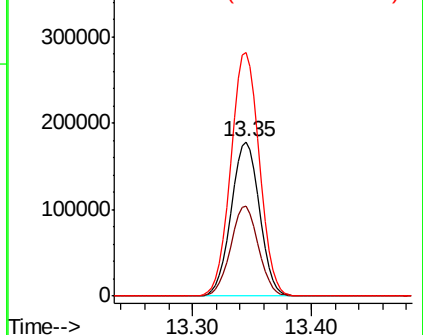
150 158.8 0.0 347.8

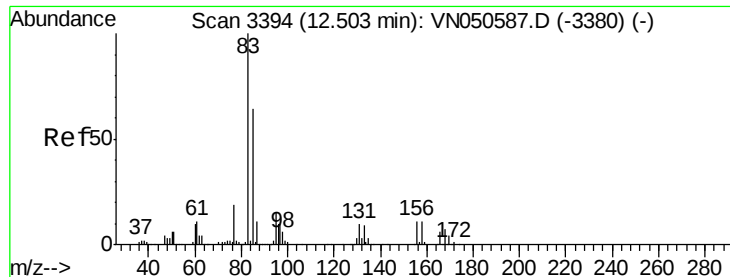


Abundance Ion 151.90 (151.60 to 152.60): V

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: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

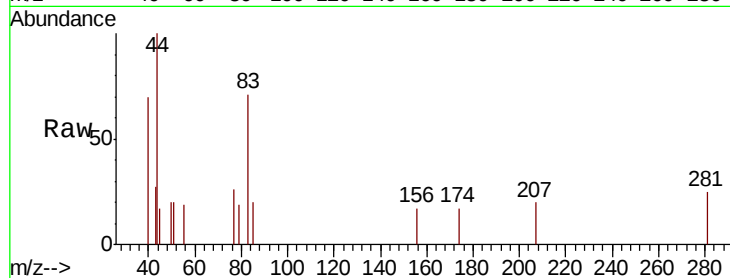
Tgt Ion: 83 Resp: 1253

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

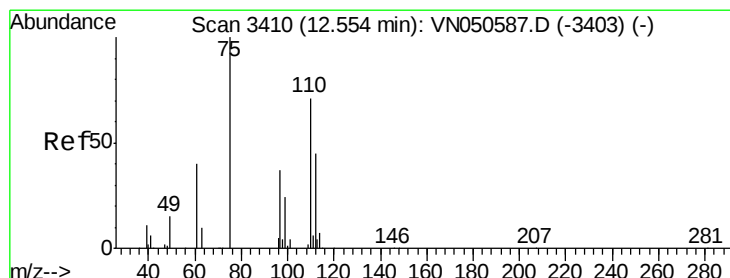
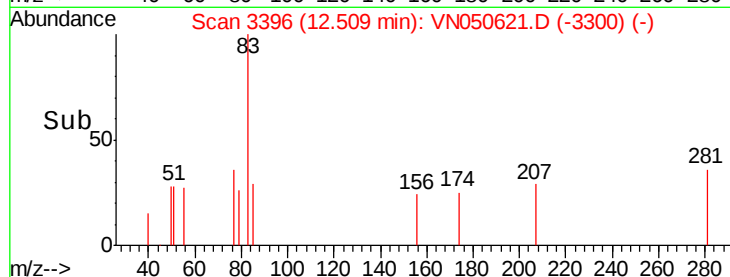
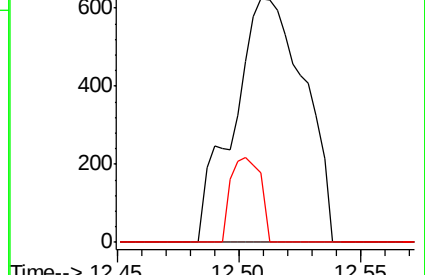
85 14.8 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.257 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050621.D

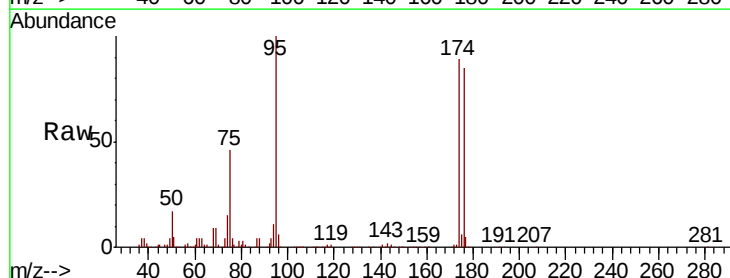
Acq: 14 Aug 2018 23:49

Tgt Ion: 75 Resp: 169777

Ion Ratio Lower Upper

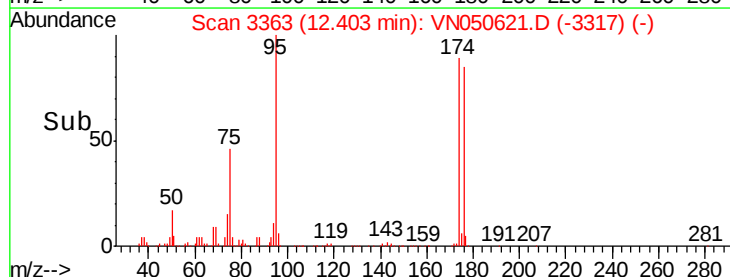
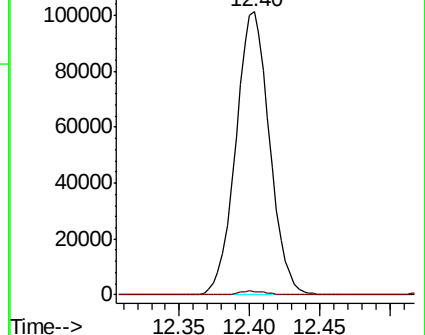
75 100

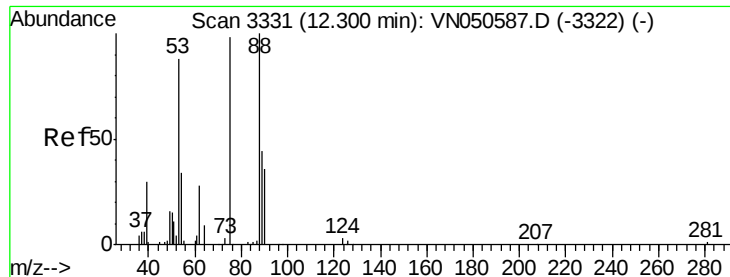
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 127.728 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

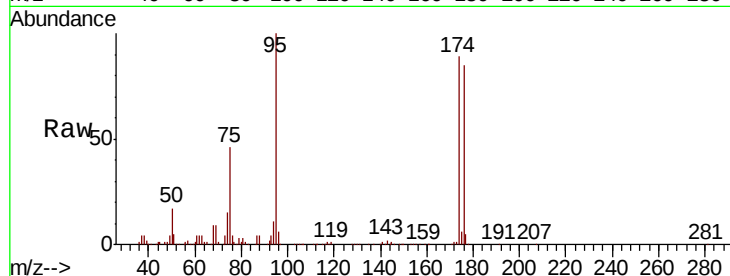
Tgt Ion: 75 Resp: 169777

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.2#

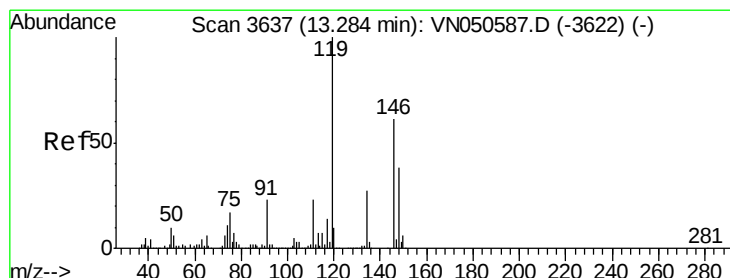
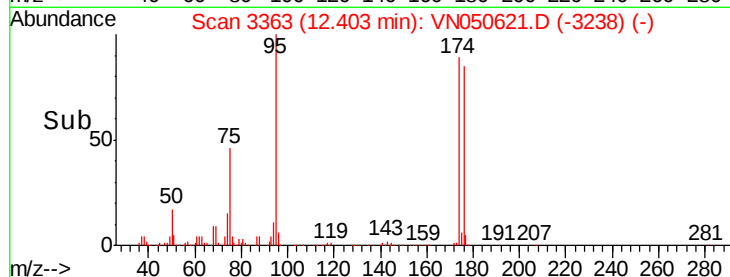
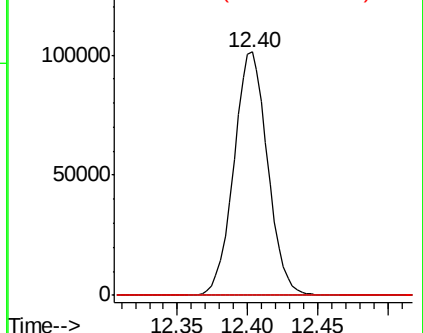
89 0.0 36.3 54.5#



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



#87

1,3-Dichlorobenzene

Concen: 0.223 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

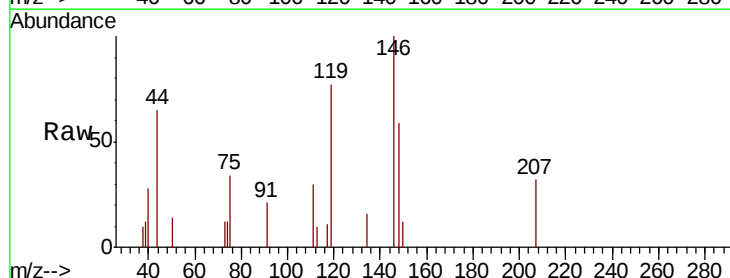
Tgt Ion: 146 Resp: 2376

Ion Ratio Lower Upper

146 100

111 35.9 19.2 57.6

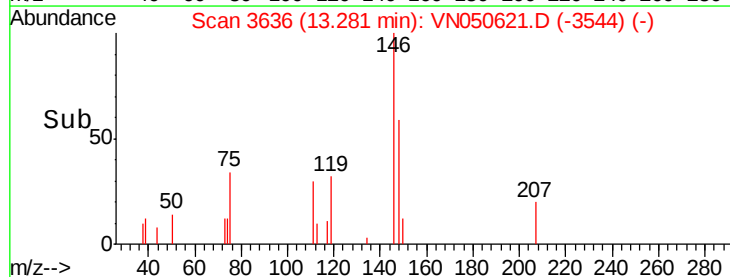
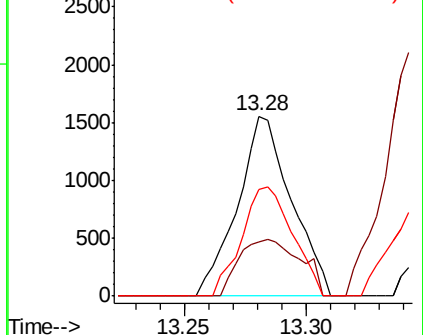
148 57.4 31.9 95.7

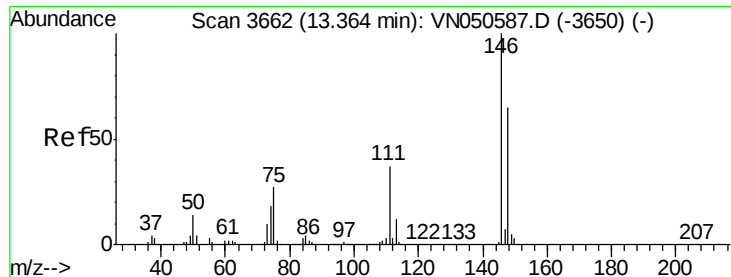


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.08 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

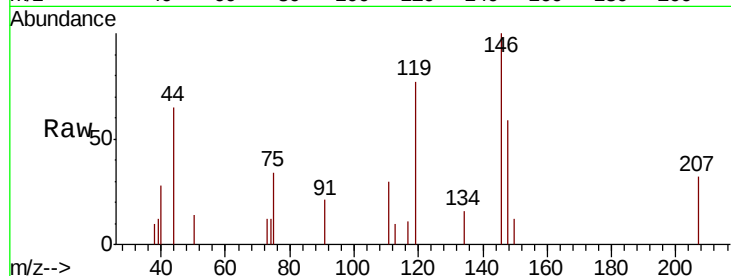
Tgt Ion:146 Resp: 2376

Ion Ratio Lower Upper

146 100

111 35.9 18.8 56.4

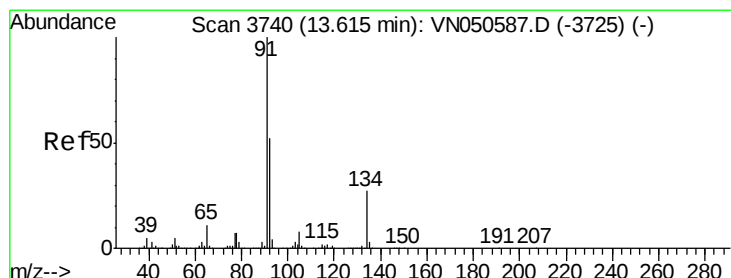
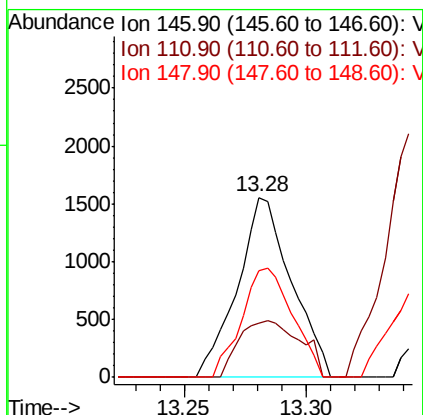
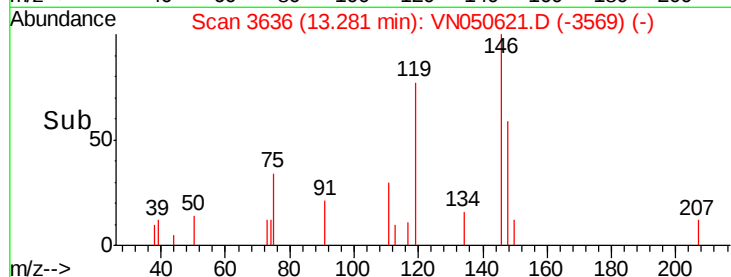
148 57.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.248 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

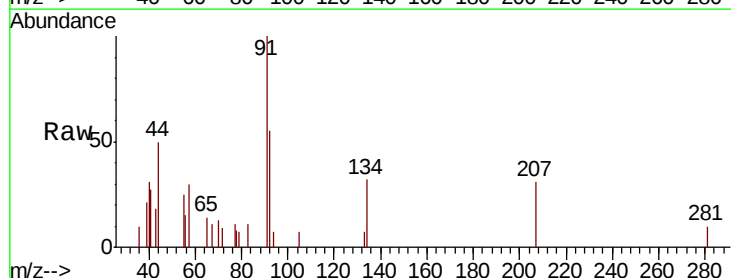
Tgt Ion: 91 Resp: 3560

Ion Ratio Lower Upper

91 100

92 49.4 26.3 78.8

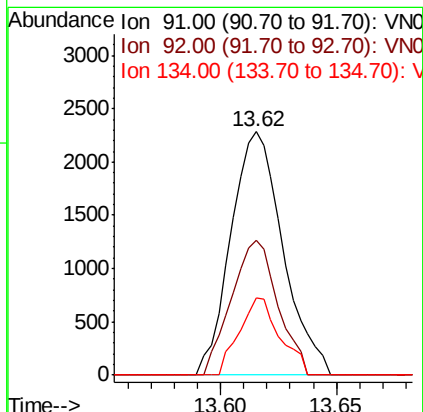
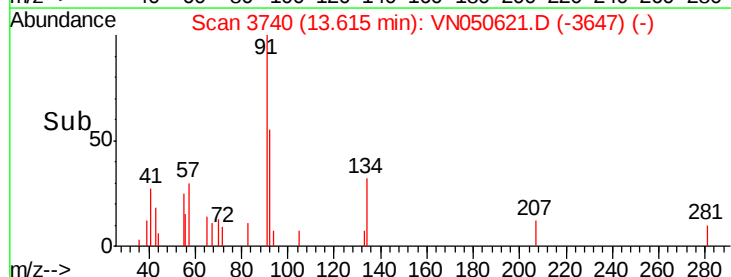
134 24.9 13.3 39.9

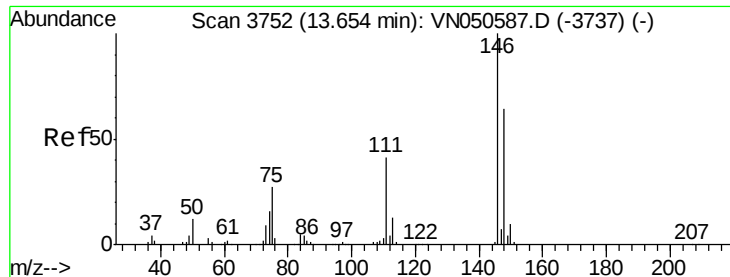


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.226 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

954-FB081318

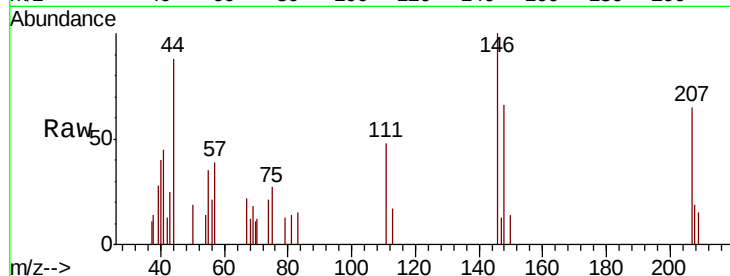
Tgt Ion:146 Resp: 2349

Ion Ratio Lower Upper

146 100

111 44.0 19.8 59.4

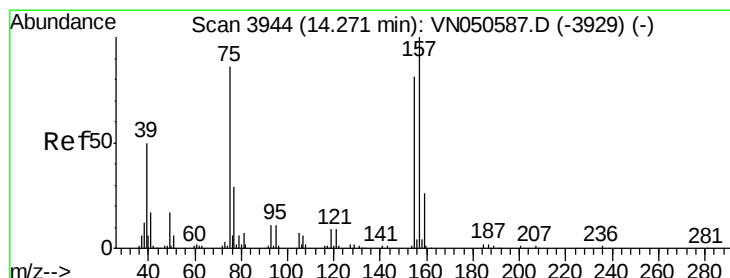
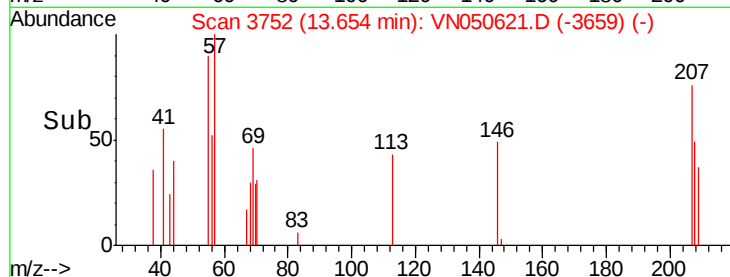
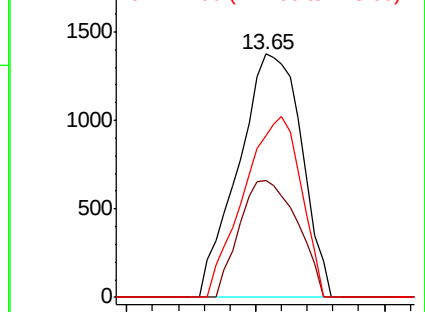
148 67.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.215 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050621.D

Acq: 14 Aug 2018 23:49

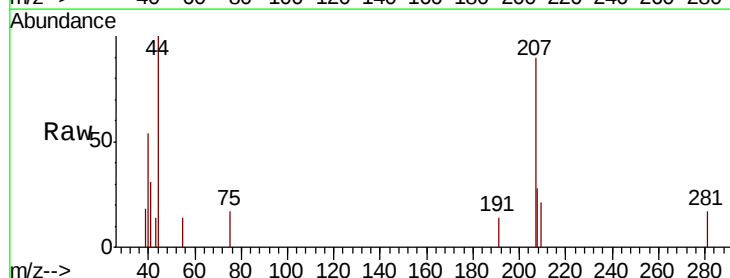
Tgt Ion: 75 Resp: 177

Ion Ratio Lower Upper

75 100

155 0.0 46.6 139.8#

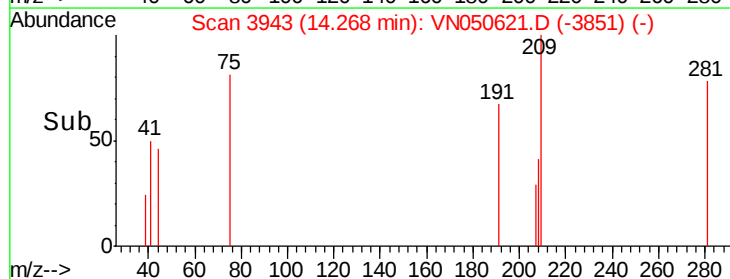
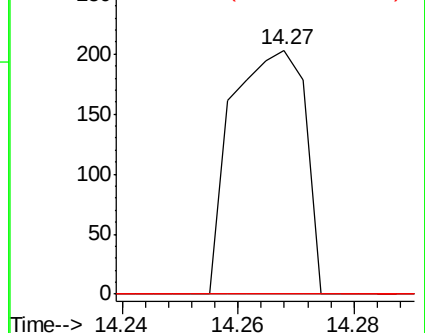
157 0.0 58.1 174.2#

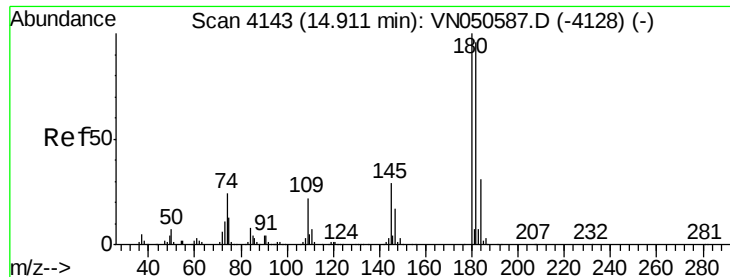


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

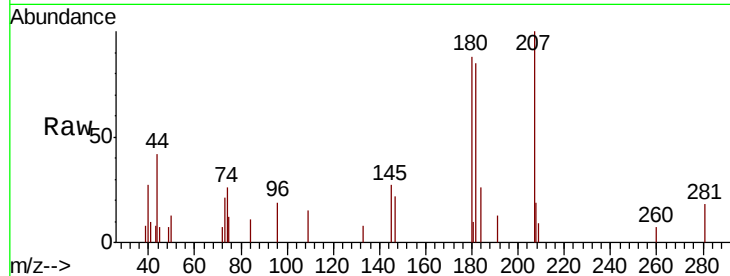




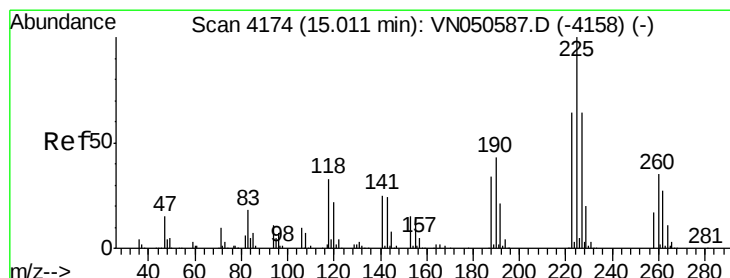
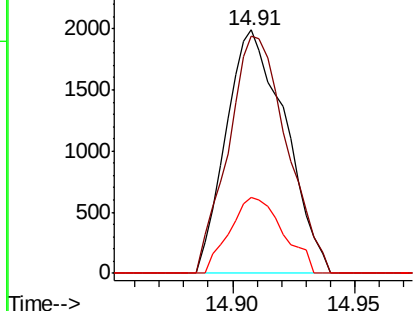
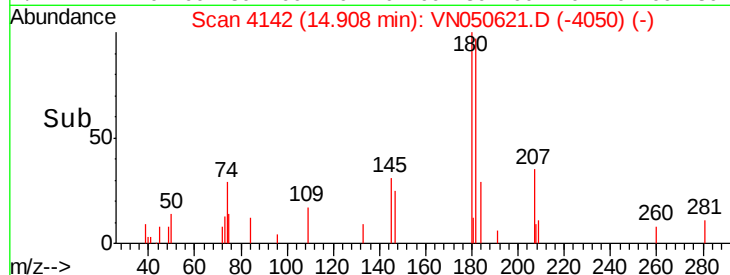
#93
 1,2,4-Trichlorobenzene
 Concen: 3.270 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

Tgt Ion:180 Resp: 3365
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.7
 145 27.9 14.4 43.4

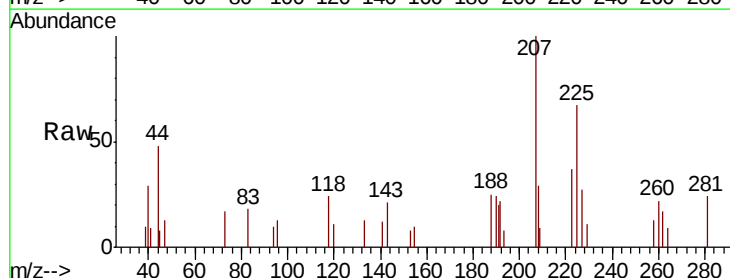


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

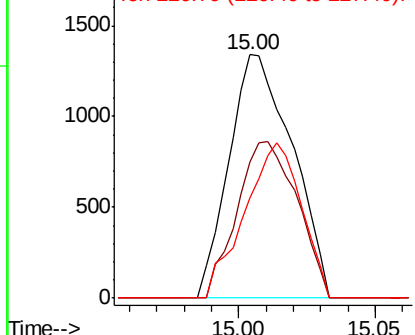
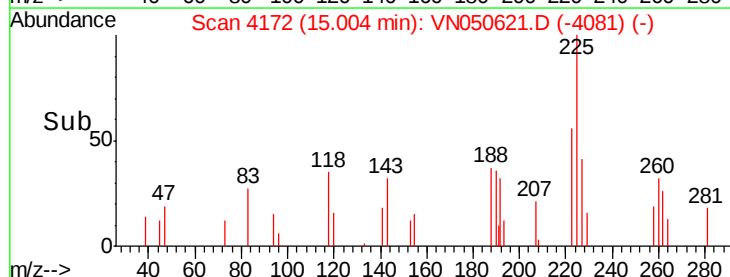


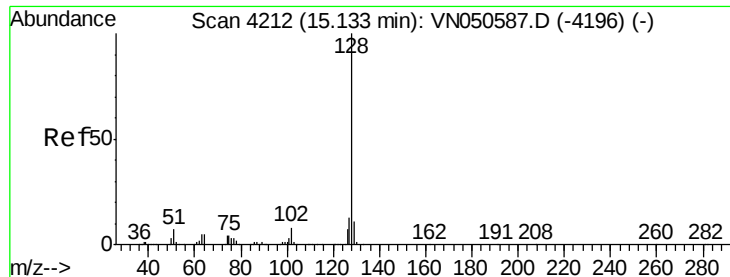
#94
 Hexachlorobutadiene
 Concen: 0.678 ug/l
 RT: 15.00 min Scan# 4172
 Delta R.T. -0.01 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion:225 Resp: 2164
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.1 96.3
 227 56.9 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

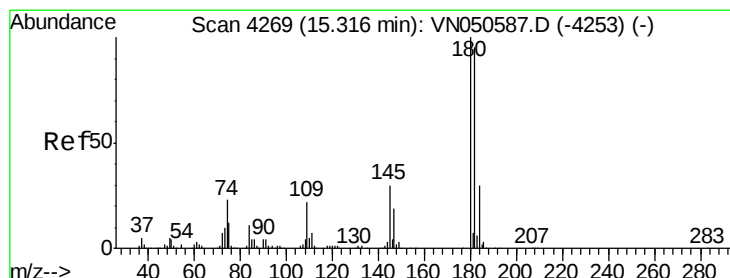
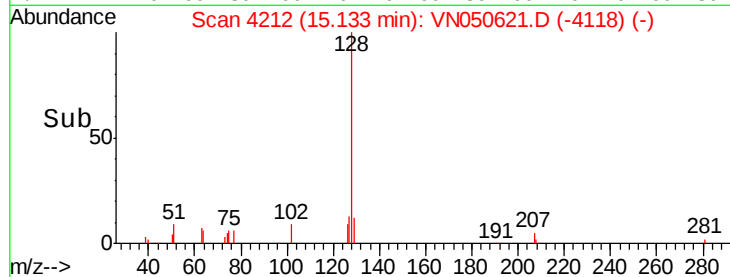
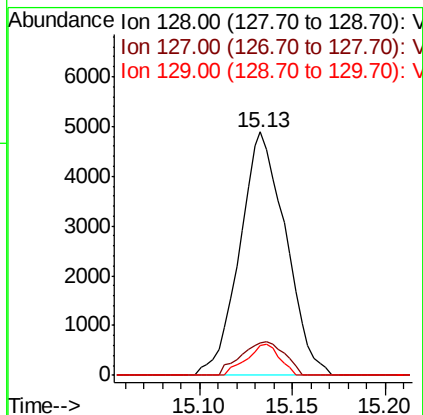
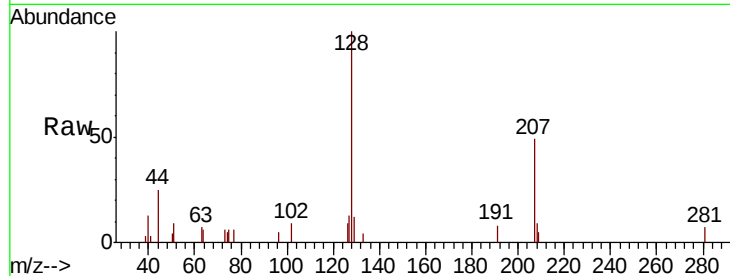




#95
Naphthalene
Concen: 4.545 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

Instrument :
MSVOA_N
ClientSampleId :
954-FB081318

Tgt Ion:128 Resp: 8422
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 9.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 2.668 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050621.D
Acq: 14 Aug 2018 23:49

Tgt Ion:180 Resp: 3786
Ion Ratio Lower Upper
180 100
182 92.1 47.3 141.8
145 26.3 14.6 44.0

