

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053082.D
 Acq On : 21 Dec 2018 3:29
 Operator : MD\SY
 Sample : J6519-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

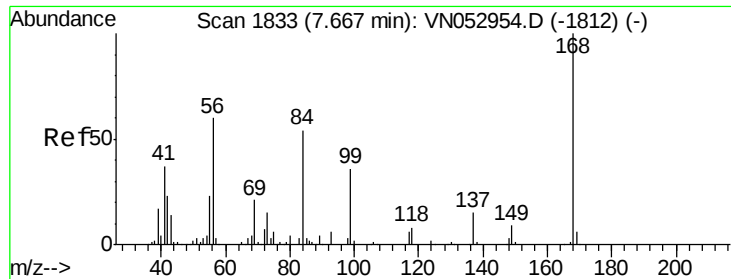
Quant Time: Dec 21 07:11:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1340467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2028994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1777773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	721637	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	646759	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
35) Dibromofluoromethane	7.59	113	572733	61.79	ug/l	0.00
Spiked Amount			Recovery	=	123.58%	
50) Toluene-d8	10.09	98	2470831	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	793294	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	411	0.495	ug/l #	74
16) Acetone	3.82	43	7680	2.879	ug/l	97
18) Methyl Acetate	4.34	43	2255	1.175	ug/l #	62
19) Methyl tert-butyl Ether	5.04	73	73556	2.151	ug/l	99
31) Cyclohexane	7.66	56	44962	0.877	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	86480	4.441	ug/l #	49
38) Carbon Tetrachloride	7.67	117	112832	6.321	ug/l #	16
39) Methylcyclohexane	9.08	83	43803	1.852	ug/l	99
43) Isopropyl Acetate	8.32	43	141019	5.779	ug/l #	53
55) 1,1,2-Trichloroethane	10.53	97	5886	0.470	ug/l #	18
59) 2-Hexanone	10.72	43	3293	0.462	ug/l #	23
71) Bromoform	12.40	173	4396	0.444	ug/l #	1
73) Isopropylbenzene	12.25	105	348927	6.180	ug/l	99
74) N-amyl acetate	12.04	43	6689	0.427	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	368193	30.309	ug/l #	100
78) n-propylbenzene	12.59	91	524513	8.157	ug/l	100
79) 2-Chlorotoluene	12.59	91	524513	13.159	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.40	75	368193	97.689	ug/l #	12
82) 4-Chlorotoluene	12.59	91	524513	13.443	ug/l #	40
83) tert-Butylbenzene	12.99	119	35553	0.874	ug/l	95
84) 1,2,4-Trimethylbenzene	13.17	105	263983	5.706	ug/l #	31
85) sec-Butylbenzene	13.17	105	263983	4.795	ug/l	84
86) p-Isopropyltoluene	13.44	119	131522	2.765	ug/l	97
89) n-Butylbenzene	13.62	91	169469	4.141	ug/l #	80
90) Hexachloroethane	13.89	117	118936	16.292	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.30	75	1168	0.610	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1217	0.689	ug/l #	1
95) Naphthalene	15.13	128	6587	1.373	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.34	180	962	0.590	ug/l #	22

(#) = 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: VN053082.D

Acq: 21 Dec 2018 3:29

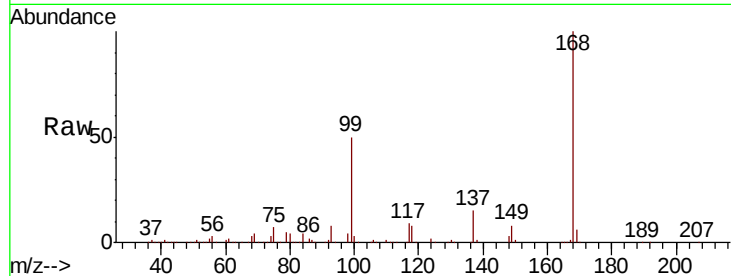
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1340467

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

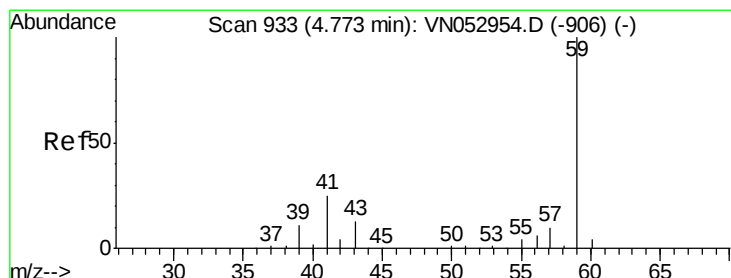
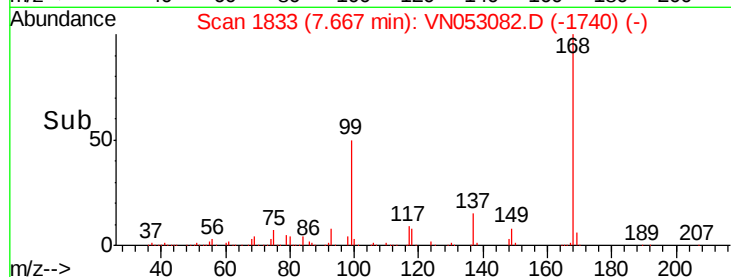
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.495 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053082.D

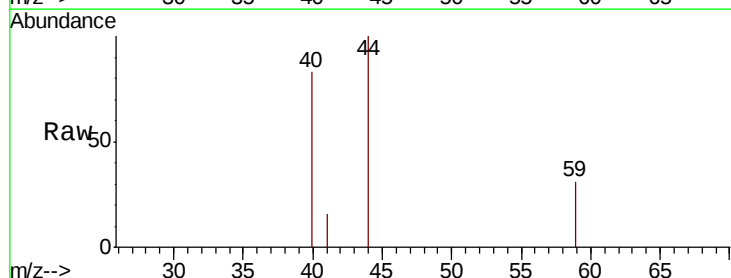
Acq: 21 Dec 2018 3:29

Tgt Ion: 59 Resp: 411

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.78

400

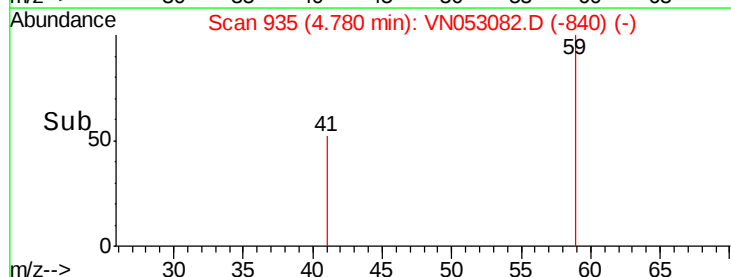
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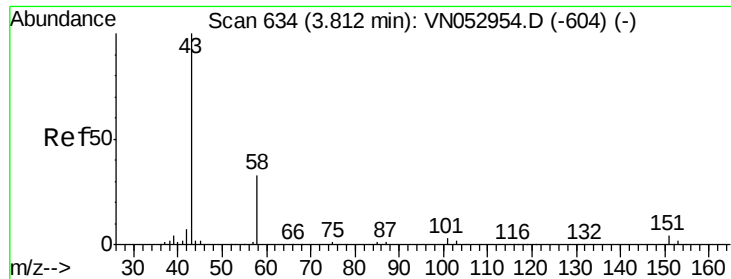
200

100

0

Time-->





#16

Acetone

Concen: 2.879 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

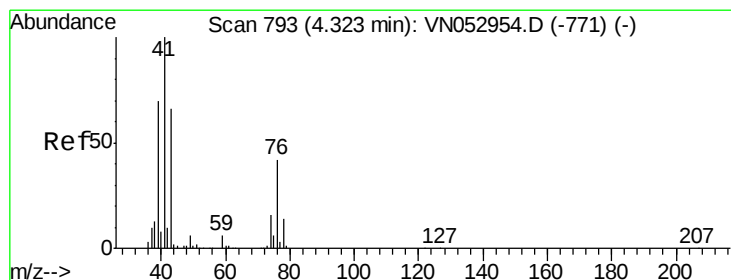
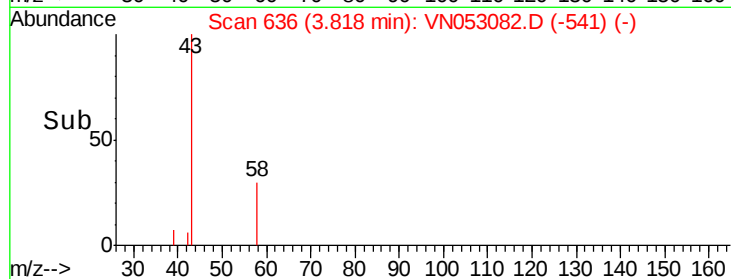
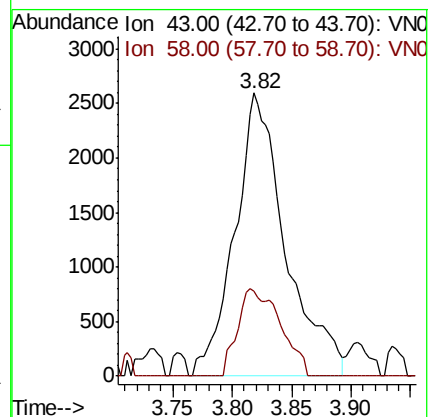
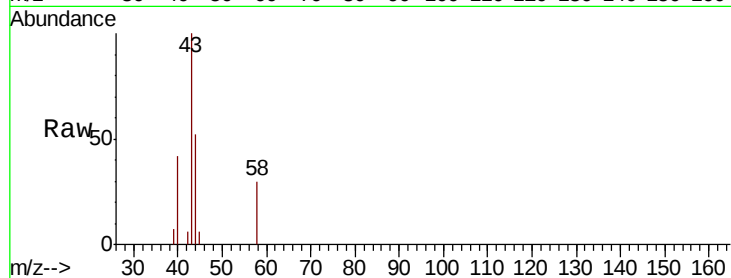
ClientSampled :

Tot Ion: 43 Resp: 7680

Ion Ratio Lower Upper

43 100

58 29.9 25.4 38.0



#18

Methyl Acetate

Concen: 1.175 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN053082.D

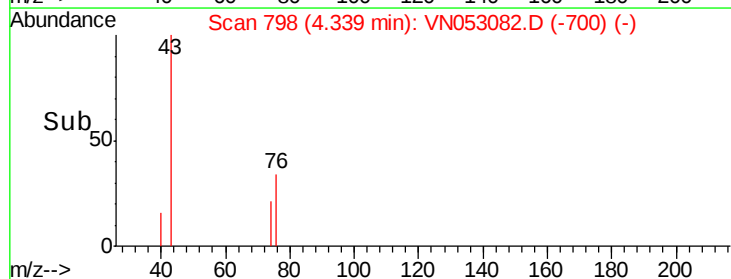
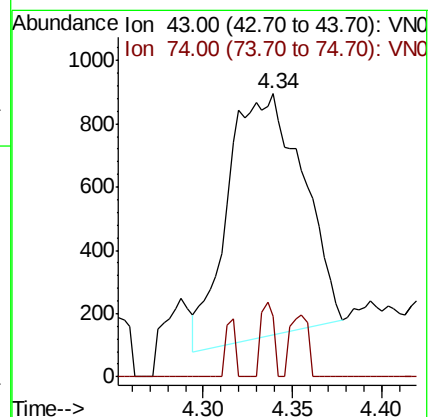
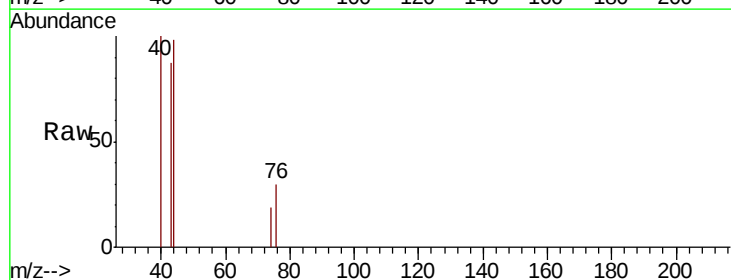
Acq: 21 Dec 2018 3:29

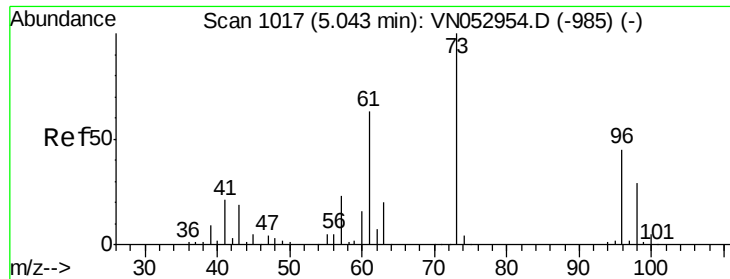
Tgt Ion: 43 Resp: 2255

Ion Ratio Lower Upper

43 100

74 5.4 19.2 28.8#

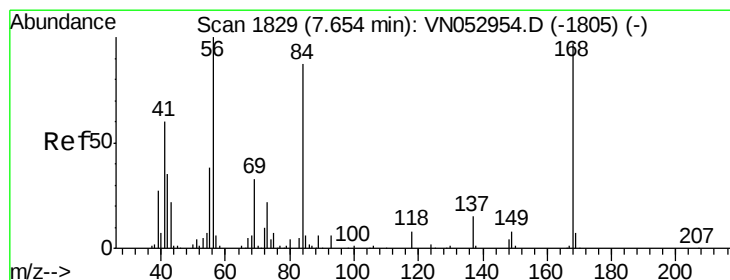
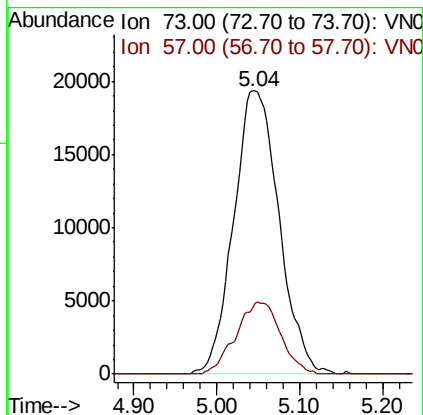
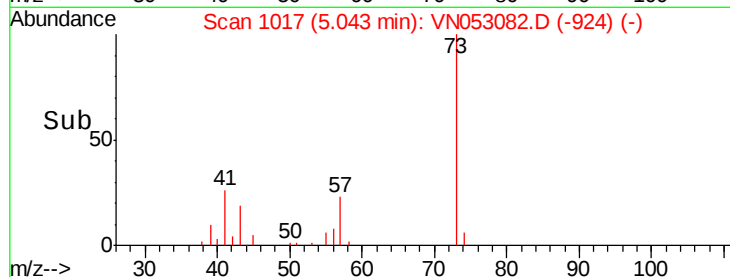
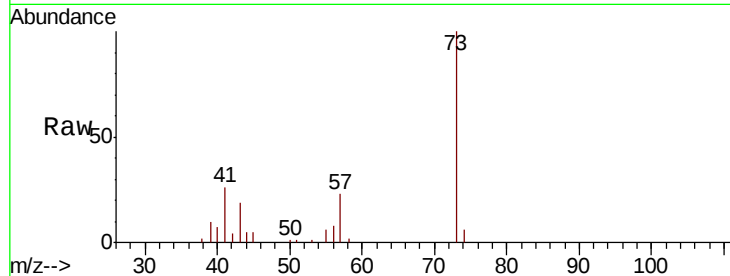




#19
Methvl tert-butvl Ether
Concen: 2.151 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

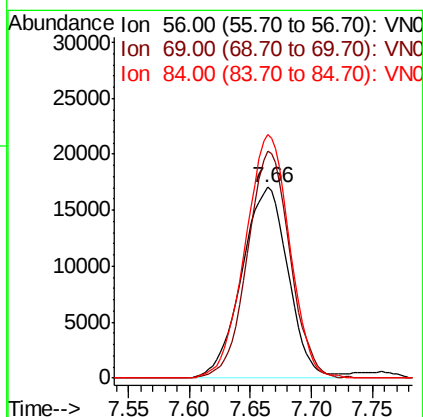
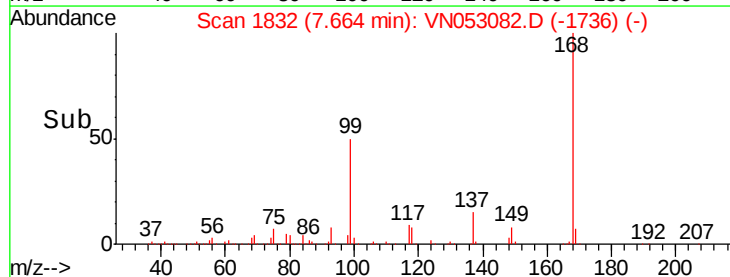
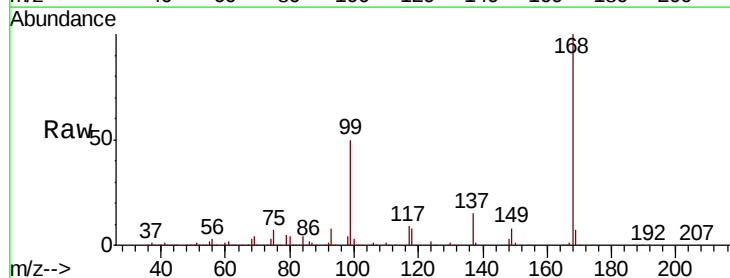
Instrument :
MSVOA_N
ClientSampleId :

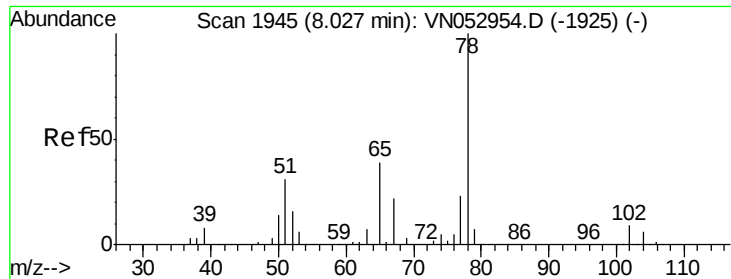
Tot Ion: 73 Resp: 73556
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6



#31
Cyclohexane
Concen: 0.877 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

Tgt Ion: 56 Resp: 44962
Ion Ratio Lower Upper
56 100
69 119.0 26.6 39.8#
84 127.8 68.4 102.6#

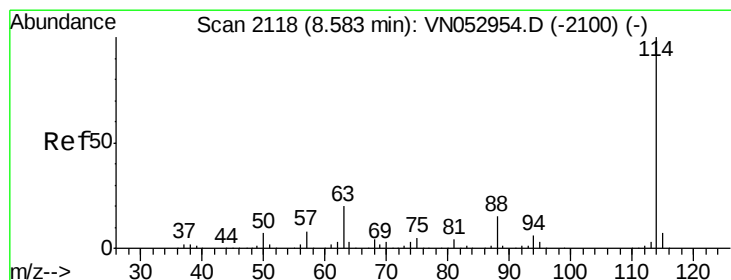
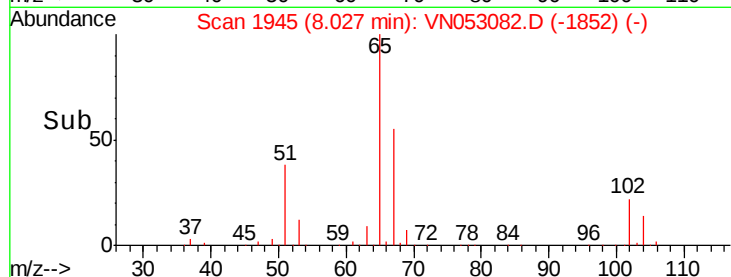
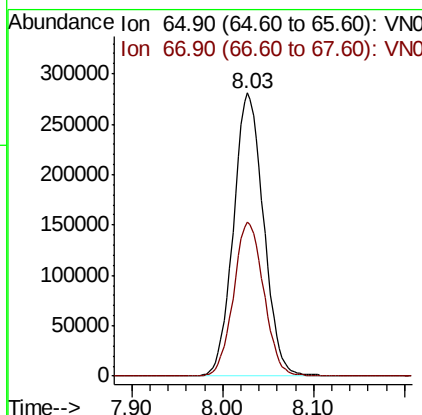
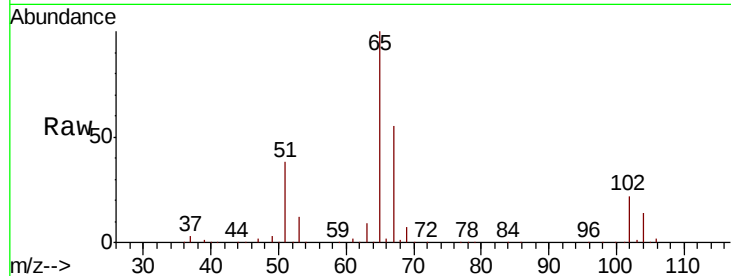




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

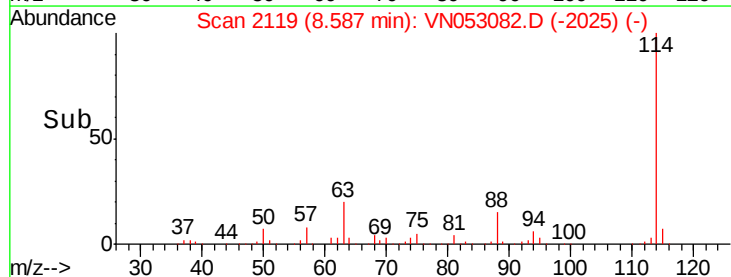
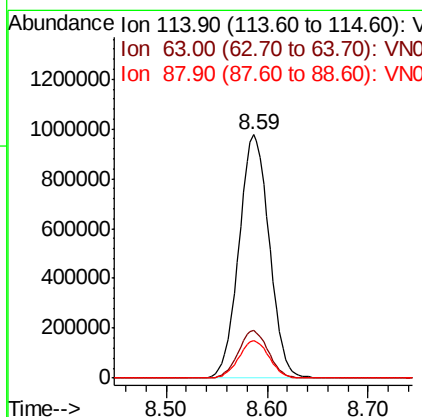
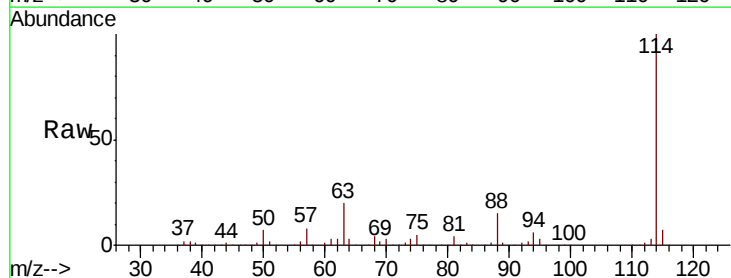
Instrument :
 MSVOA_N
 ClientSampled :

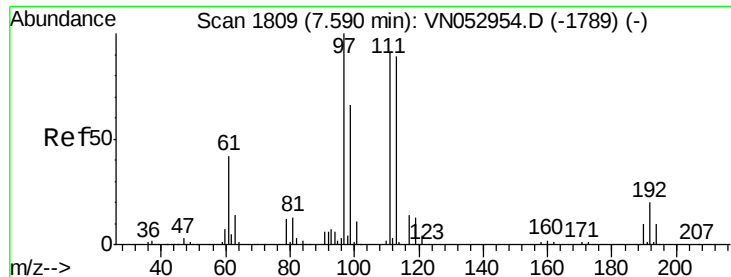
Tot Ion: 65 Resp: 646759
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Tgt Ion: 114 Resp: 2028994
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 0.0 31.0

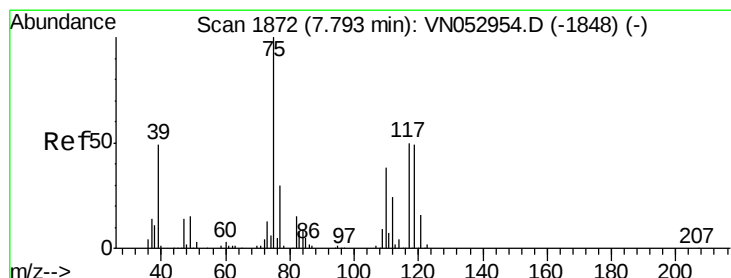
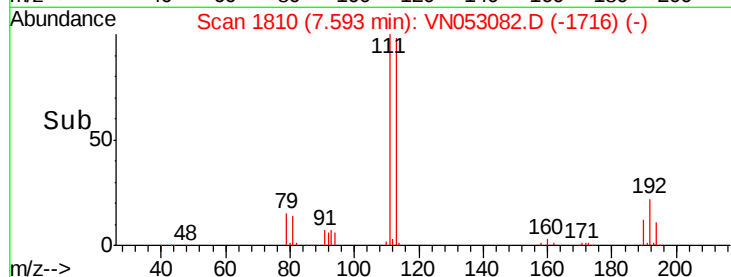
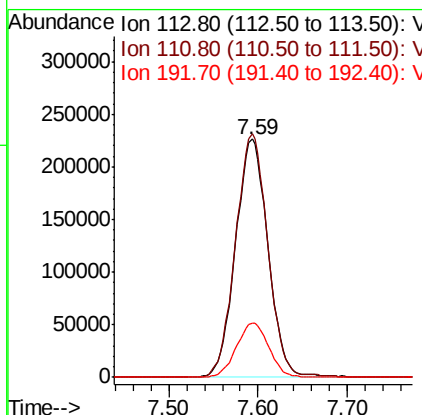
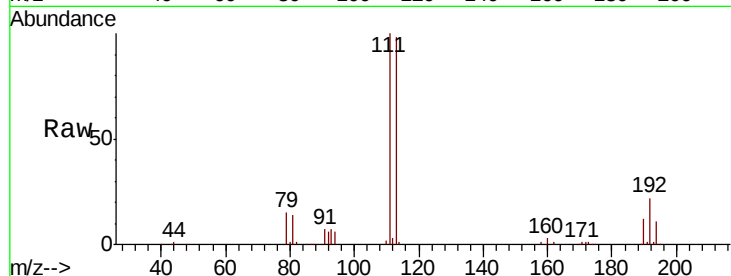




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

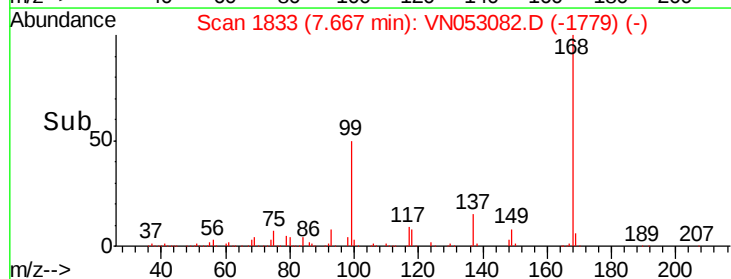
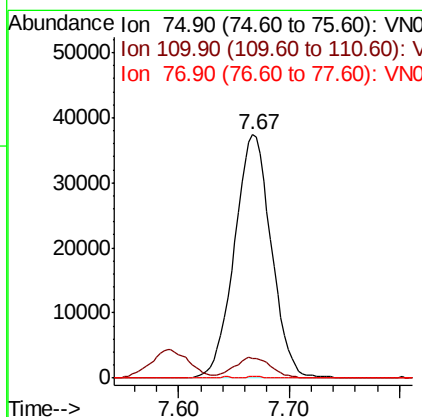
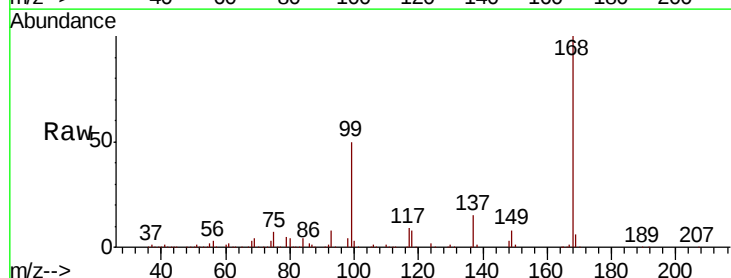
Instrument :
 MSVOA_N
 ClientSampleId :

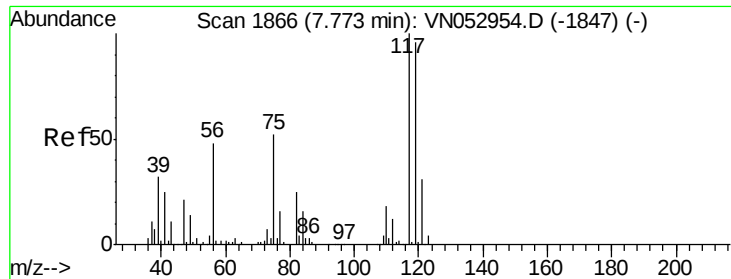
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.8	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

ClientSampleId :

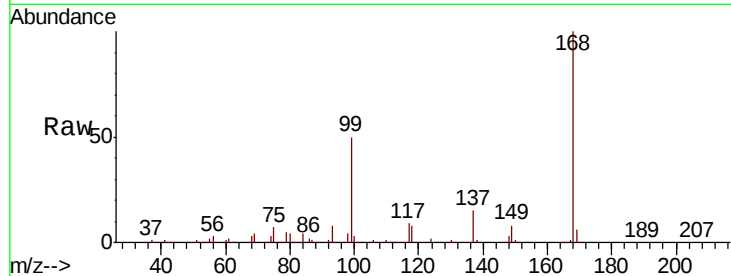
Tot Ion:117 Resp: 112832

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

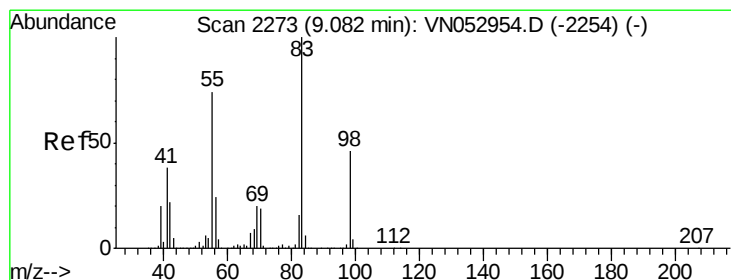
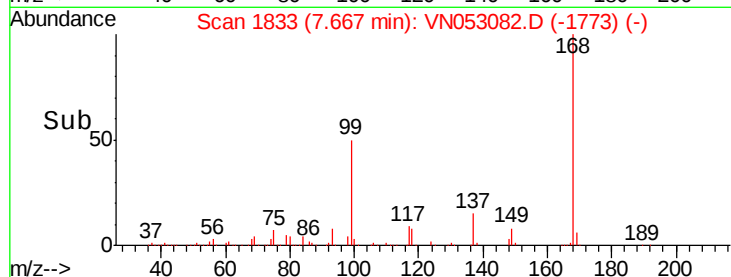
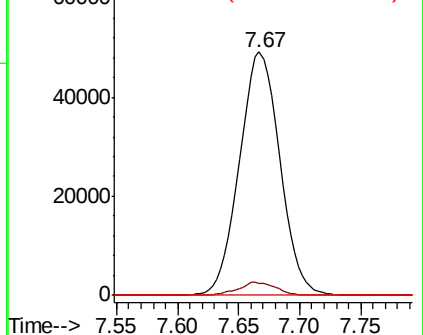
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 1.852 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

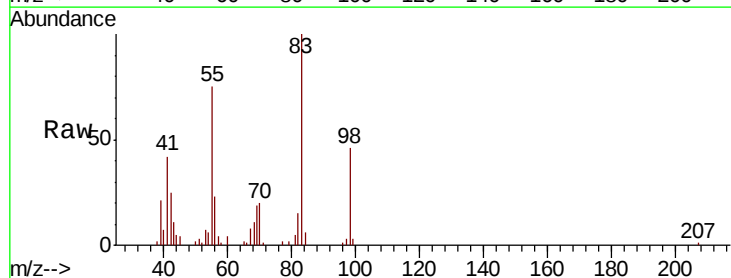
Tgt Ion: 83 Resp: 43803

Ion Ratio Lower Upper

83 100

55 74.8 61.3 91.9

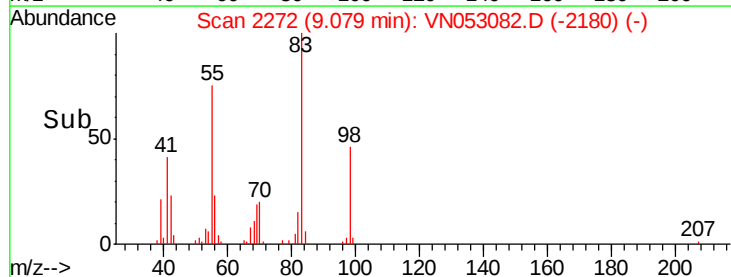
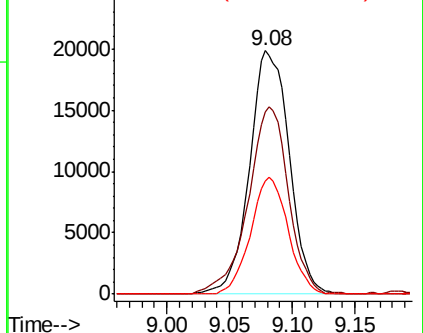
98 46.3 37.0 55.4

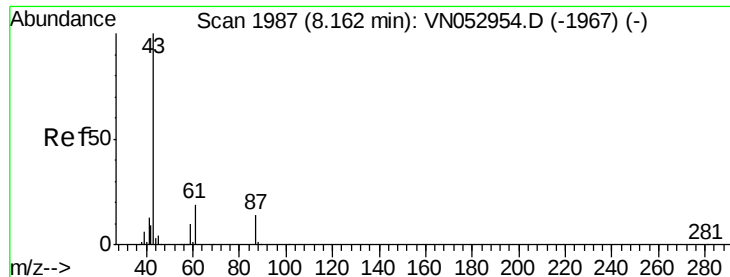


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

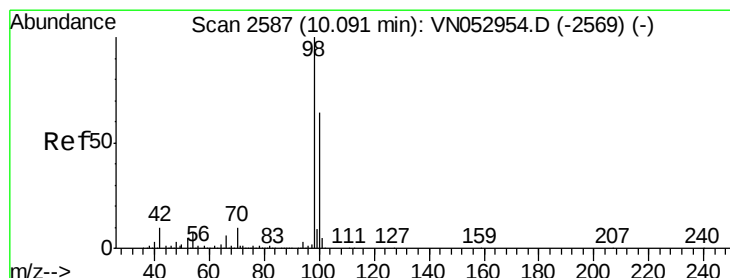
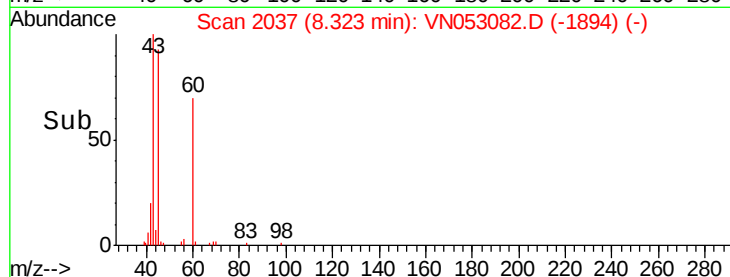
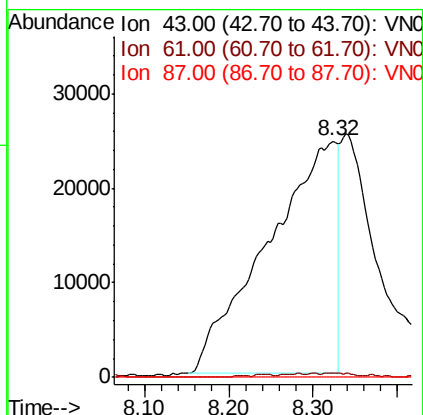
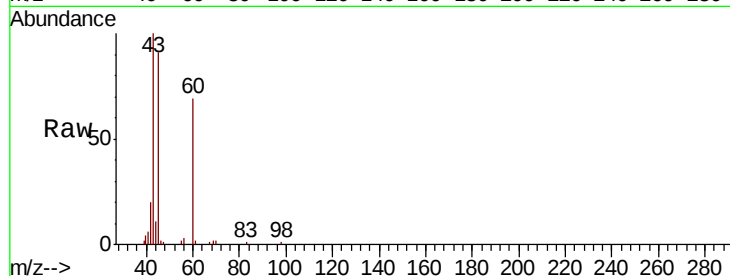




#43
Isopropyl Acetate
Concen: 5.779 ug/l
RT: 8.32 min Scan# 2037
Delta R.T. 0.16 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

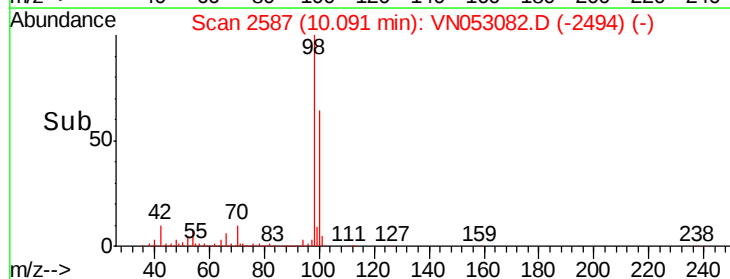
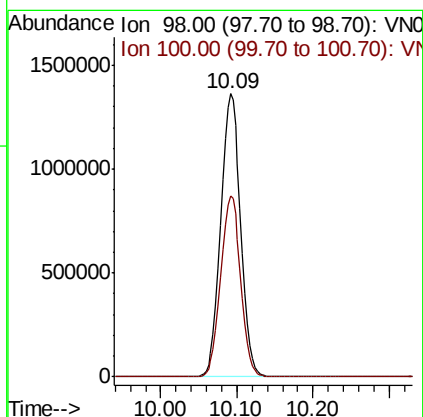
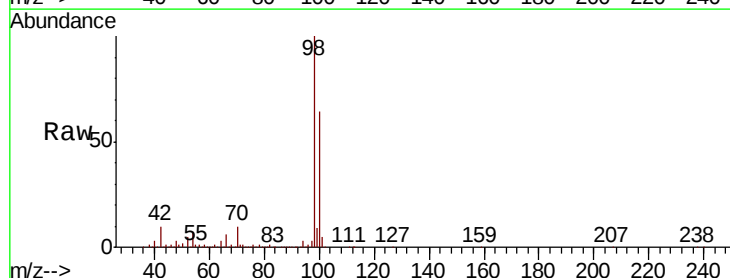
Instrument :
MSVOA_N
ClientSampleId :

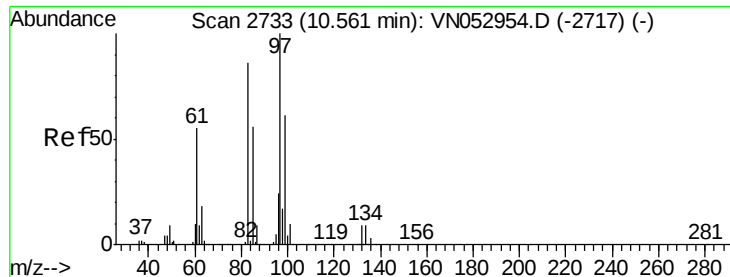
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

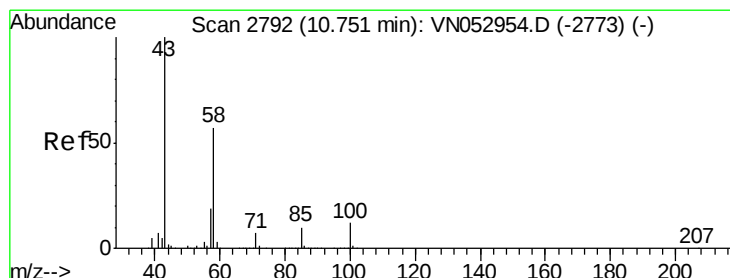
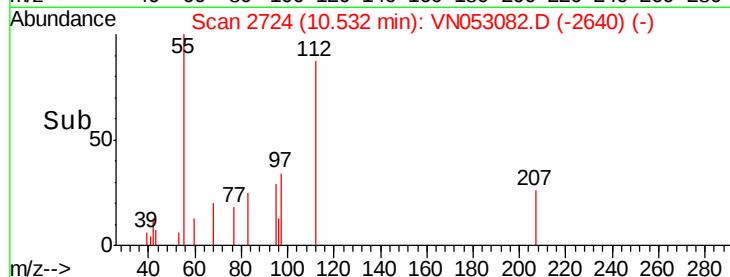
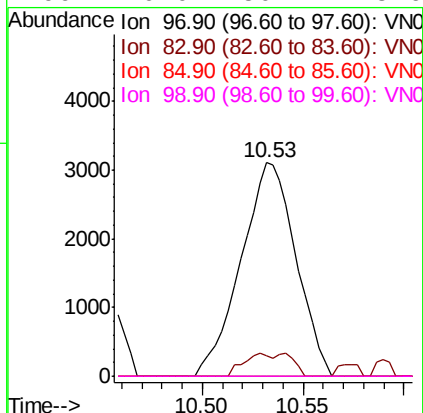
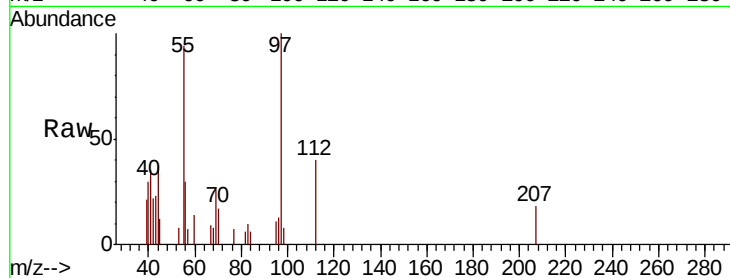




#55
 1,1,2-Trichloroethane
 Concen: 0.470 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

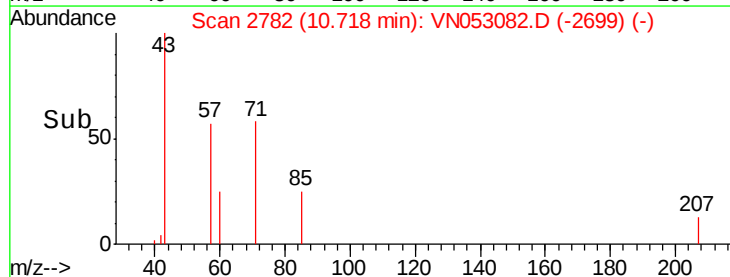
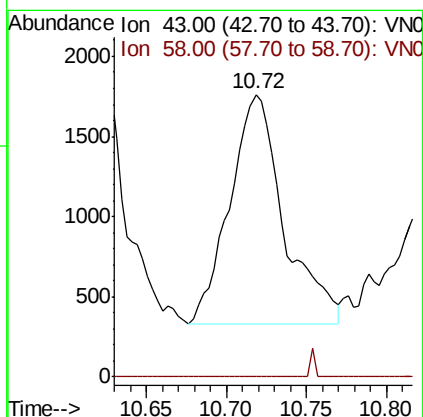
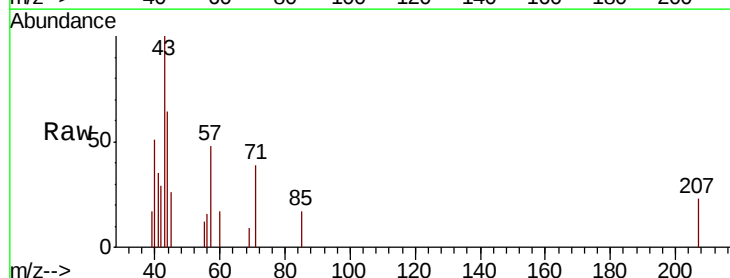
Instrument :
 MSVOA_N
 ClientSampled :

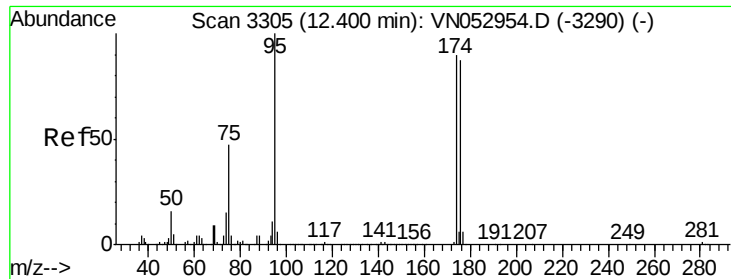
Tot Ion: 97 Resp: 5886
 Ion Ratio Lower Upper
 97 100
 83 9.7 70.9 106.3#
 85 0.0 45.4 68.2#
 99 0.0 50.4 75.6#



#59
 2-Hexanone
 Concen: 0.462 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Tgt Ion: 43 Resp: 3293
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.1 84.3#

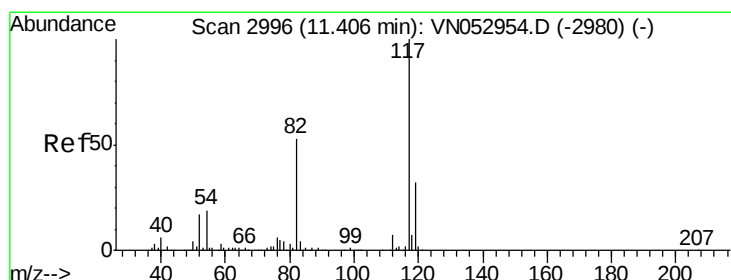
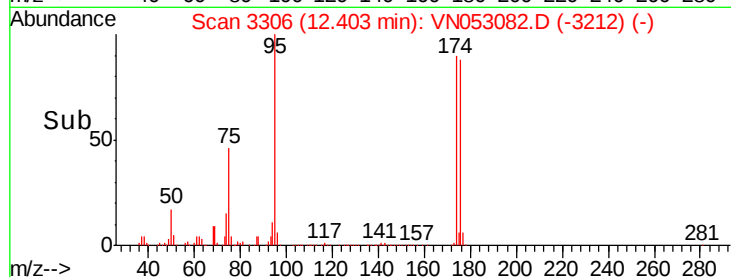
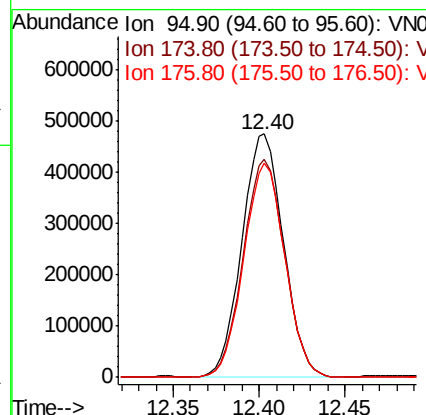
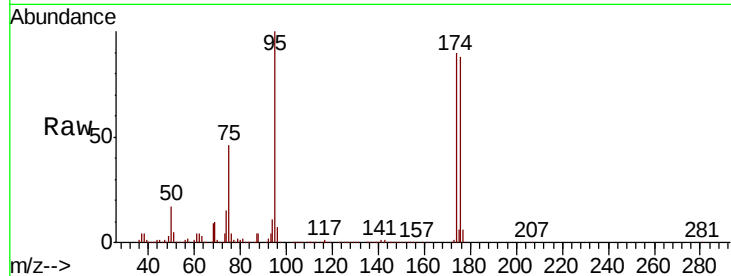




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

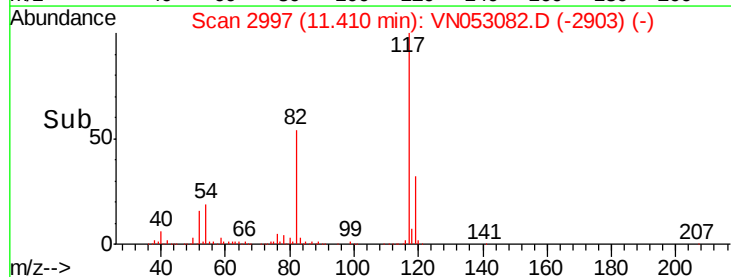
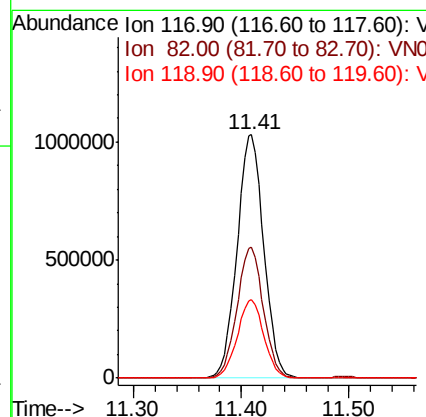
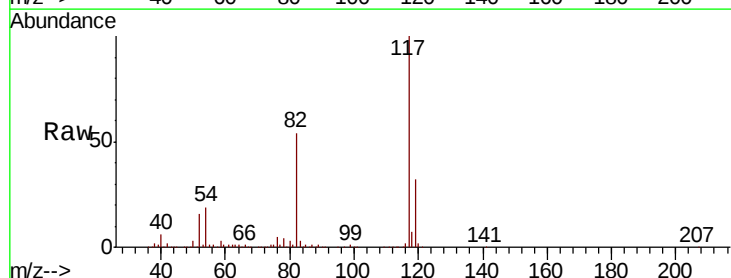
Instrument :
MSVOA_N
ClientSampleId :

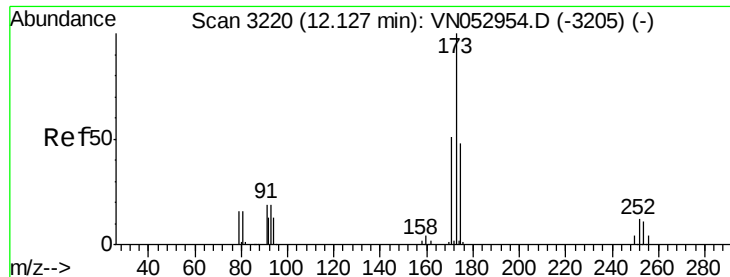
Tot Ion: 95 Resp: 793294
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.8
176 87.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

Tgt Ion: 117 Resp: 1777773
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.2 25.5 38.3

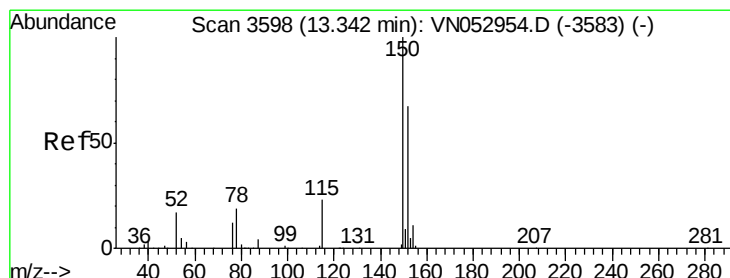
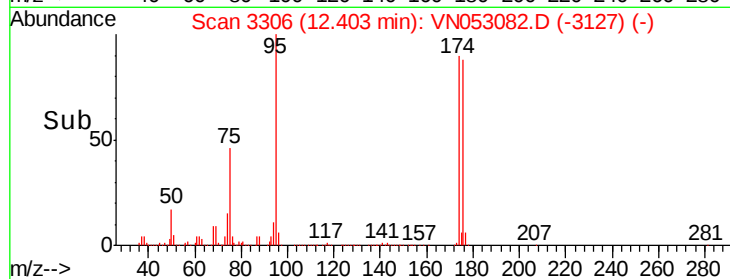
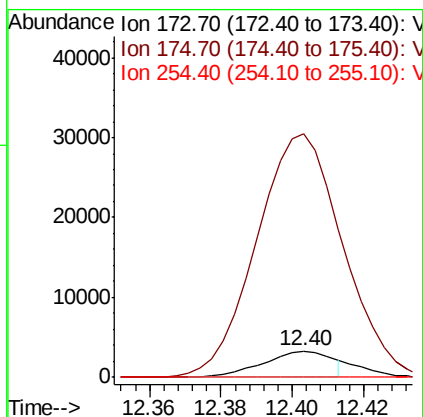
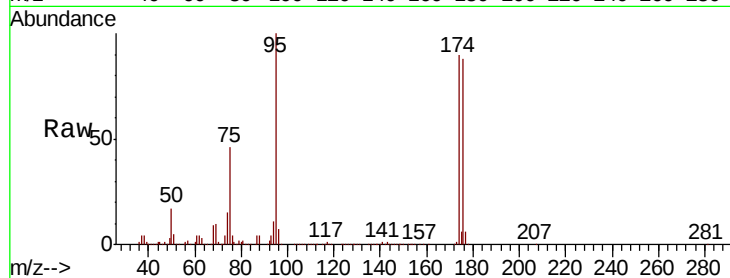




#71
Bromoform
Concen: 0.444 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

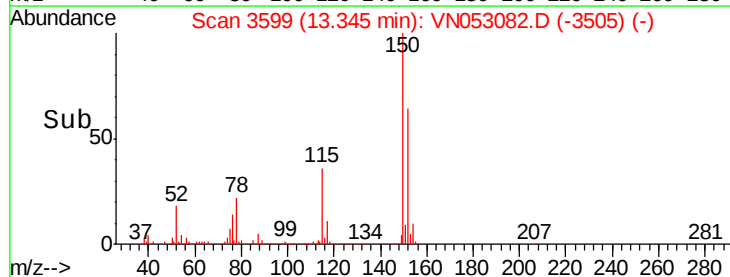
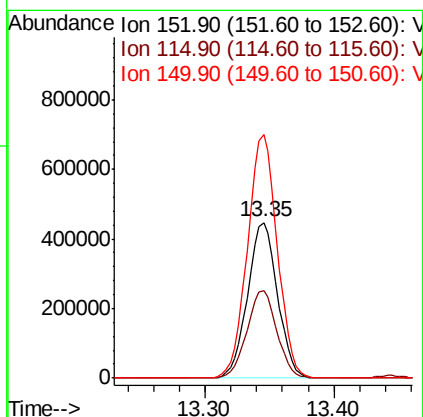
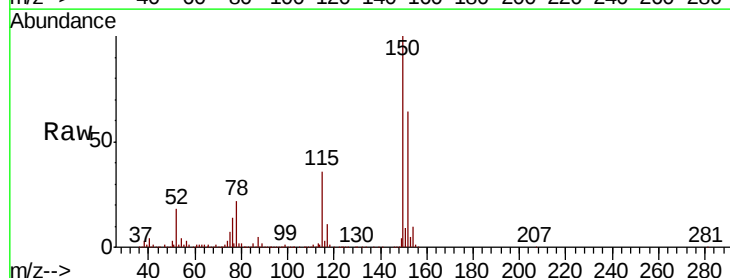
Instrument :
MSVOA_N
ClientSampleId :

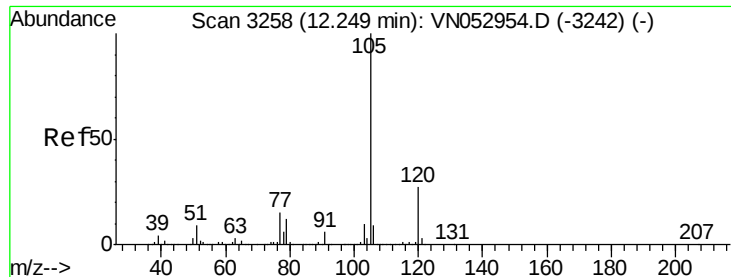
Tot Ion:173 Resp: 4396
Ion Ratio Lower Upper
173 100
175 999.2 24.3 72.9#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053082.D
Acq: 21 Dec 2018 3:29

Tgt Ion:152 Resp: 721637
Ion Ratio Lower Upper
152 100
115 56.3 28.3 85.0
150 155.6 0.0 347.8





#73

Isopropylbenzene

Concen: 6.180 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

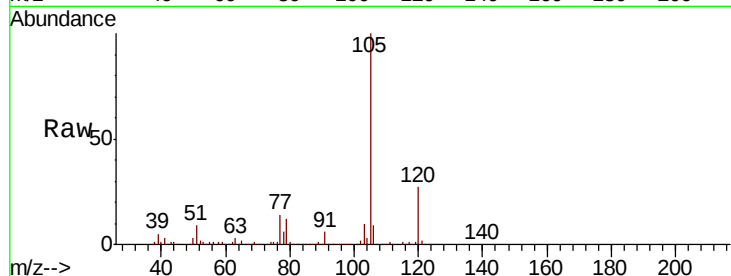
ClientSampleId :

Tot Ion:105 Resp: 348927

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

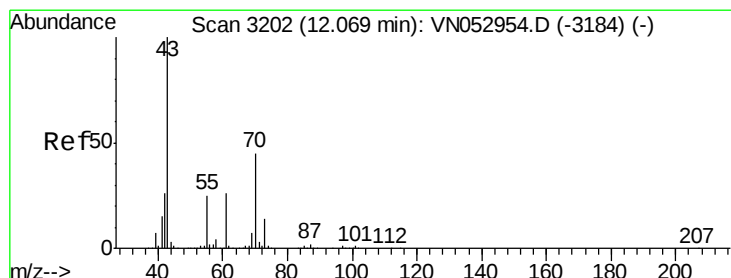
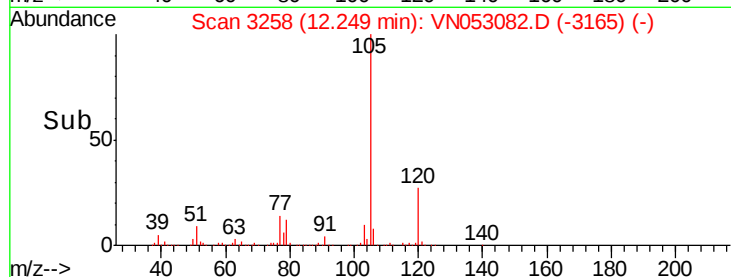
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 0.427 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Tgt Ion: 43 Resp: 6689

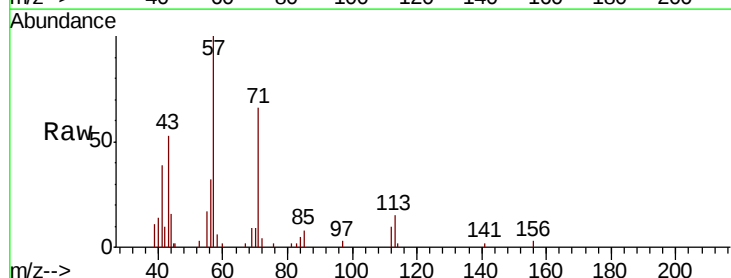
Ion Ratio Lower Upper

43 100

70 13.5 34.2 51.4#

55 10.9 20.3 30.5#

61 0.0 20.0 30.0#



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

6000

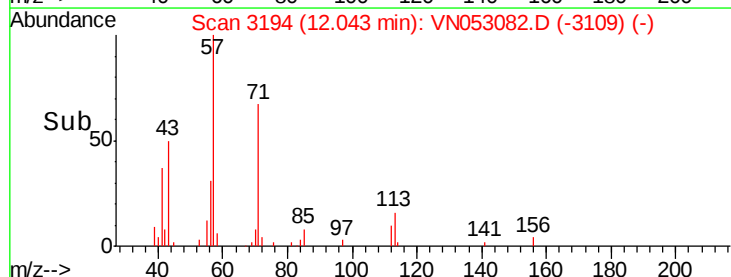
4000

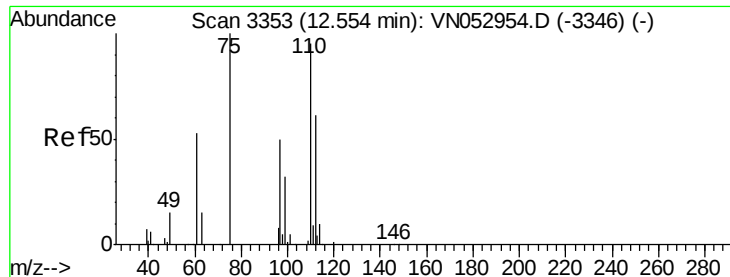
2000

0

12.00 12.05

Time-->





#76

1,2,3-Trichloropropane

Concen: 30.309 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

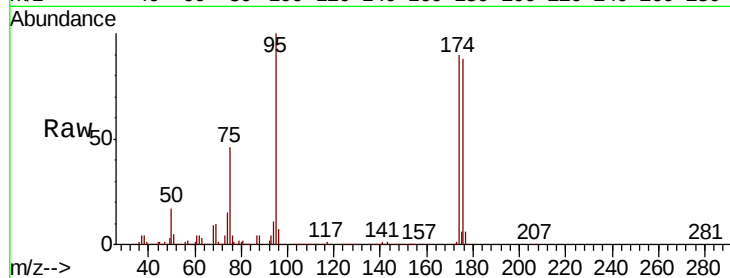
ClientSampleId :

Tot Ion: 75 Resp: 368193

Ion Ratio Lower Upper

75 100

77 1.3 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

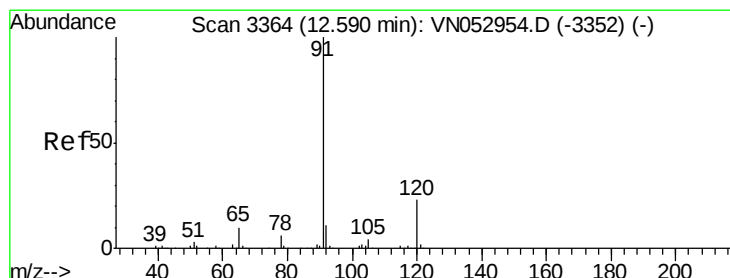
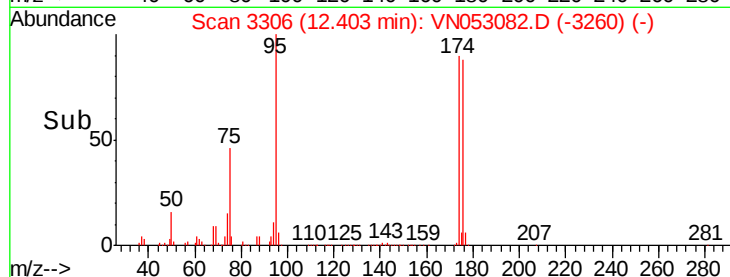
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 8.157 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053082.D

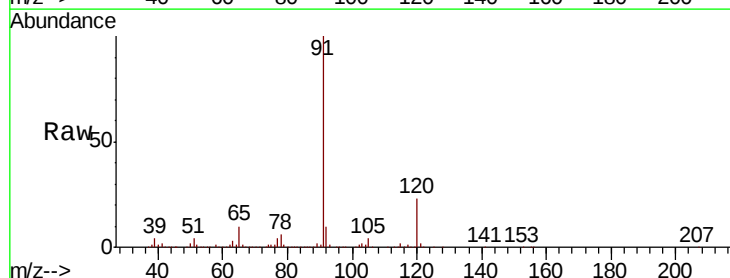
Acq: 21 Dec 2018 3:29

Tgt Ion: 91 Resp: 524513

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

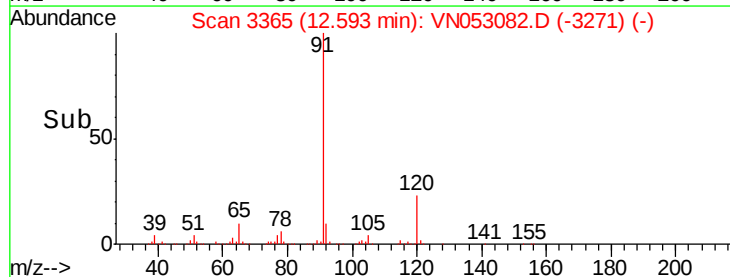
300000

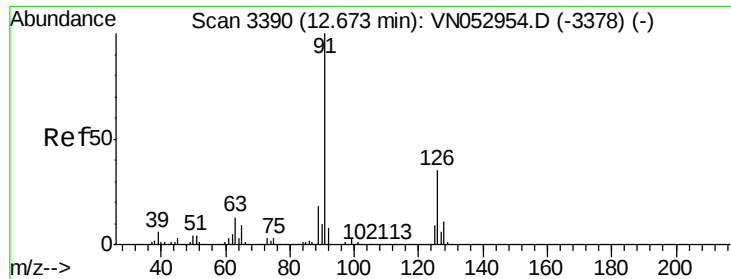
200000

100000

0

Time--> 12.50 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 13.159 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

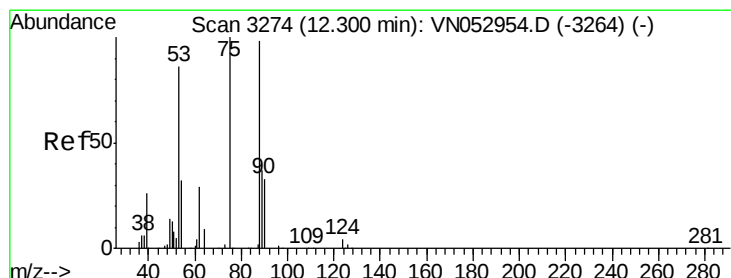
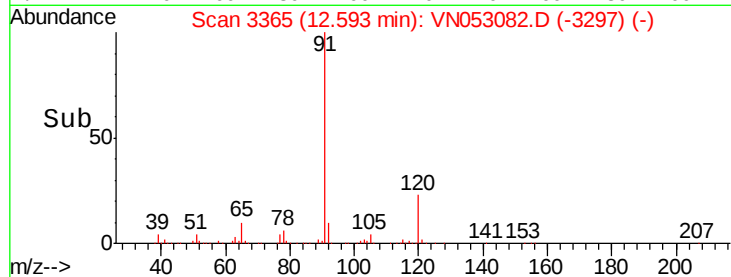
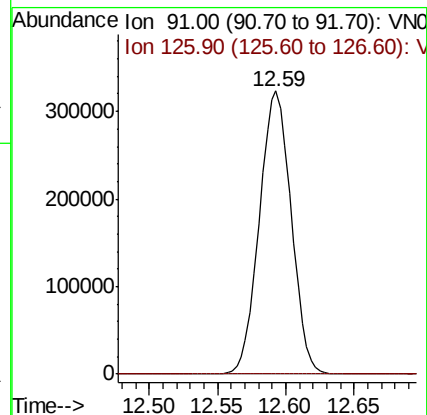
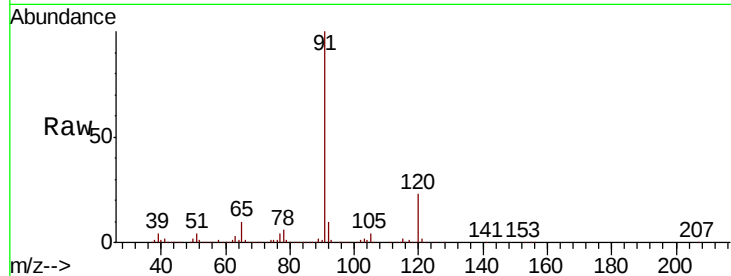
ClientSampleId :

Tot Ion: 91 Resp: 524513

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.689 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

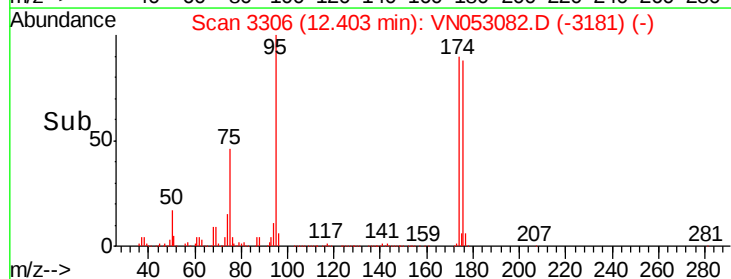
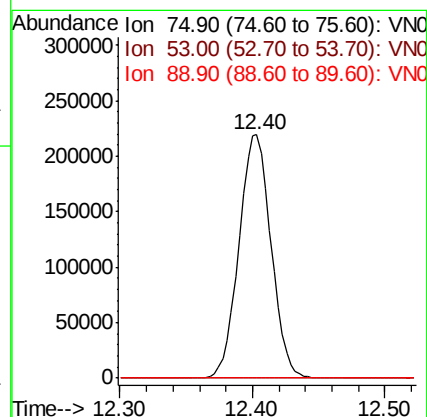
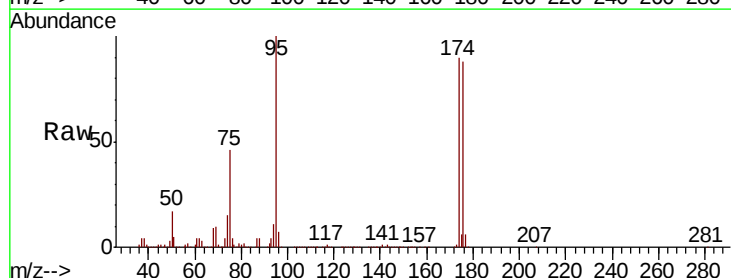
Tgt Ion: 75 Resp: 368193

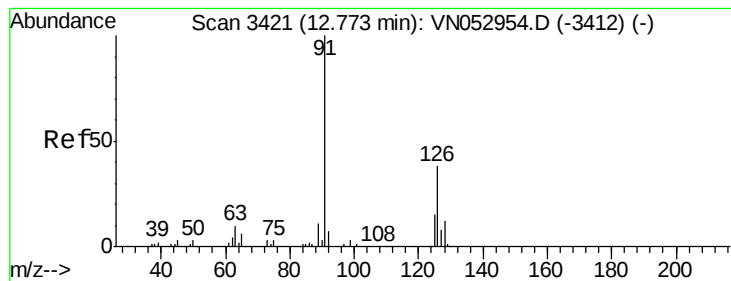
Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 13.443 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

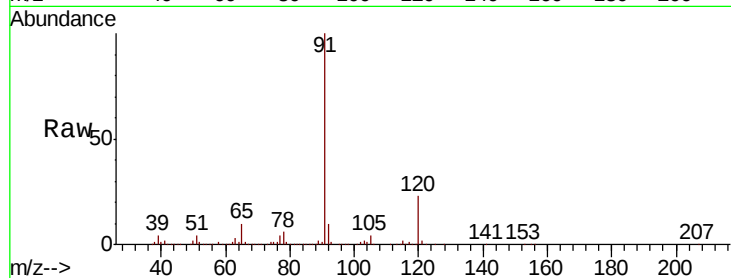
ClientSampleId :

Tot Ion: 91 Resp: 524513

Ion Ratio Lower Upper

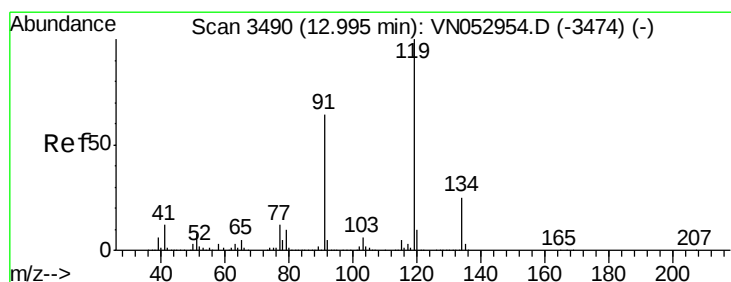
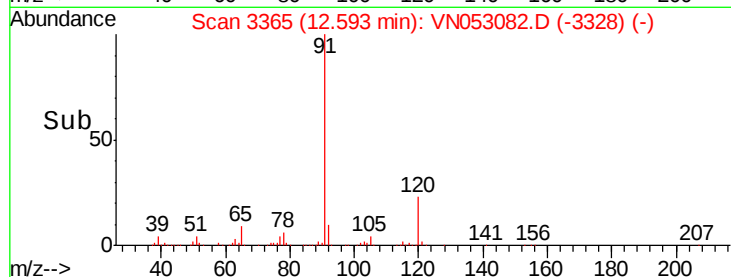
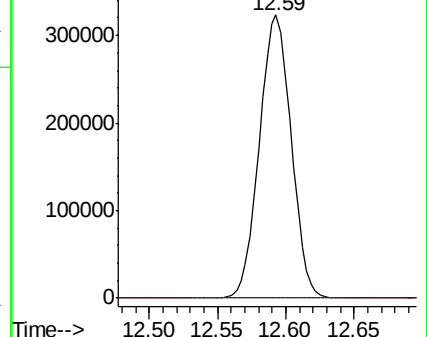
91 100

126 0.0 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN053082.D (-3365) (-)

Ion 125.90 (125.60 to 126.60): VN053082.D (-3365) (-)



#83

tert-Butylbenzene

Concen: 0.874 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

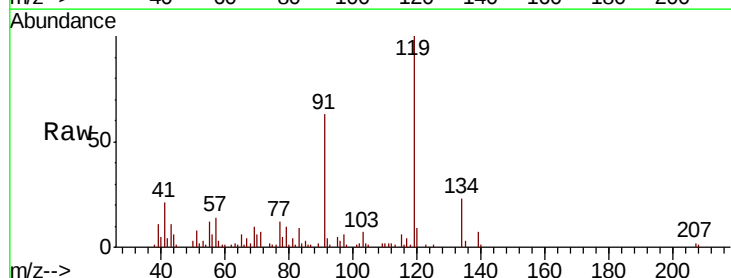
Tgt Ion: 119 Resp: 35553

Ion Ratio Lower Upper

119 100

91 67.8 31.9 95.5

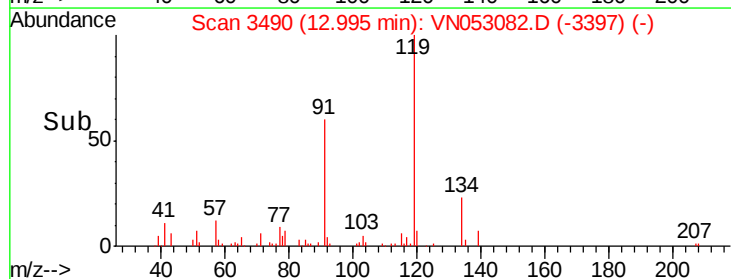
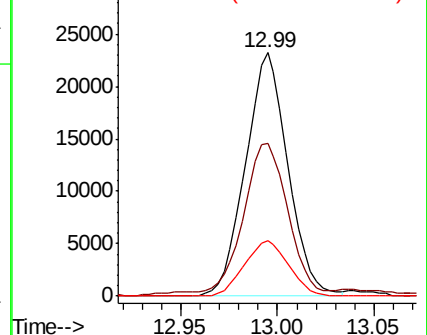
134 23.6 12.8 38.4

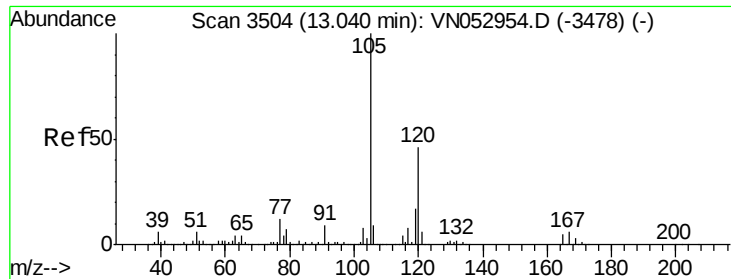


Abundance Ion 119.00 (118.70 to 119.70): VN053082.D (-3490) (-)

Ion 91.00 (90.70 to 91.70): VN053082.D (-3490) (-)

Ion 134.00 (133.70 to 134.70): VN053082.D (-3490) (-)





#84

1,2,4-Trimethylbenzene

Concen: 5.706 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.13 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

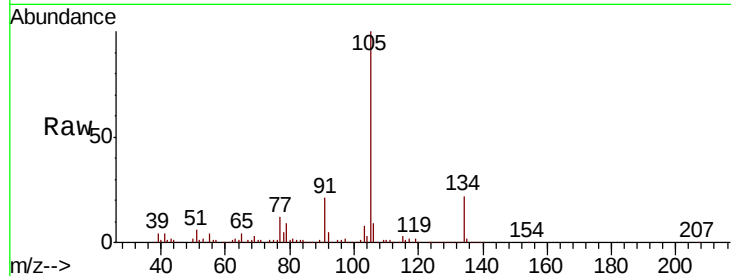
ClientSampled :

Tot Ion:105 Resp: 263983

Ion Ratio Lower Upper

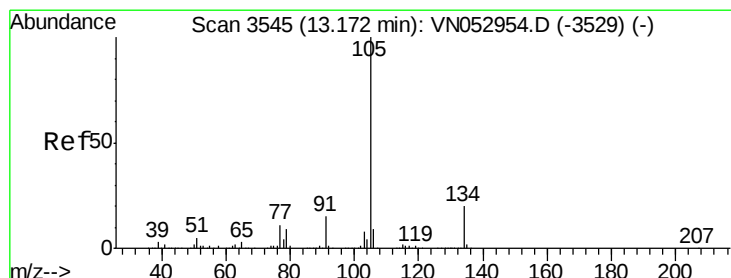
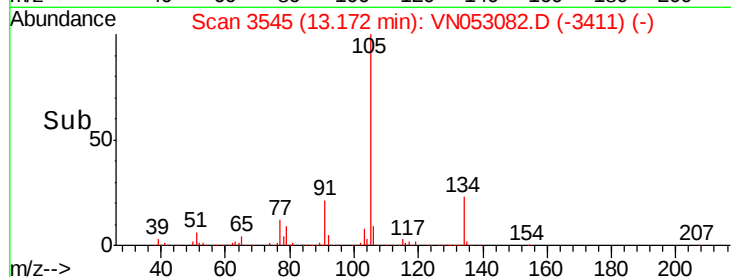
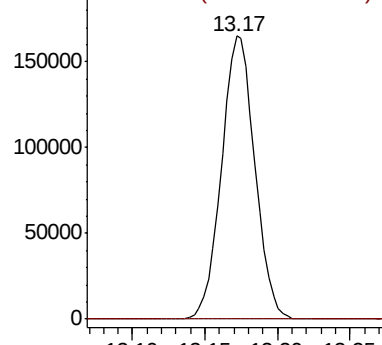
105 100

120 0.1 22.9 68.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.795 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053082.D

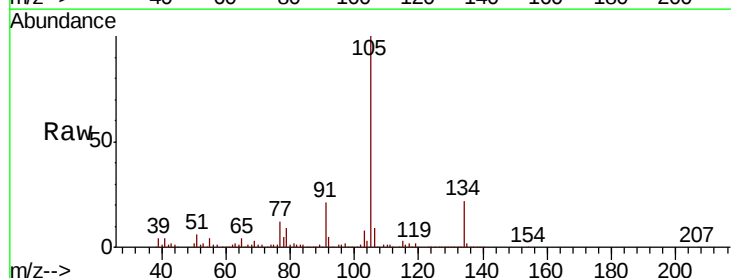
Acq: 21 Dec 2018 3:29

Tgt Ion:105 Resp: 263983

Ion Ratio Lower Upper

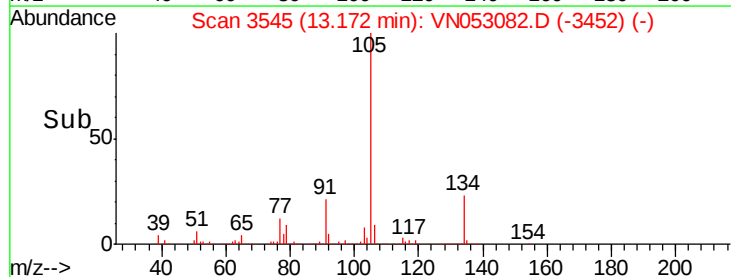
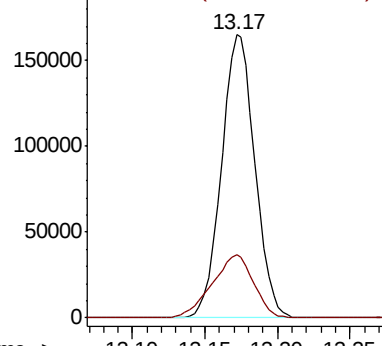
105 100

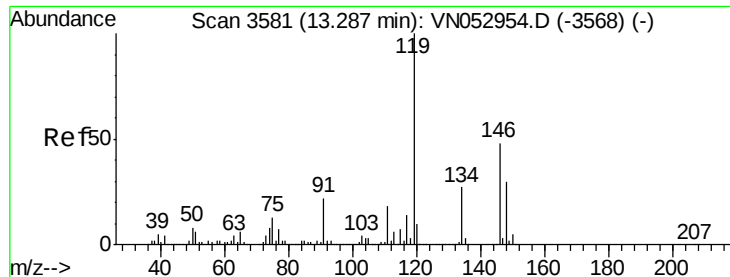
134 27.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

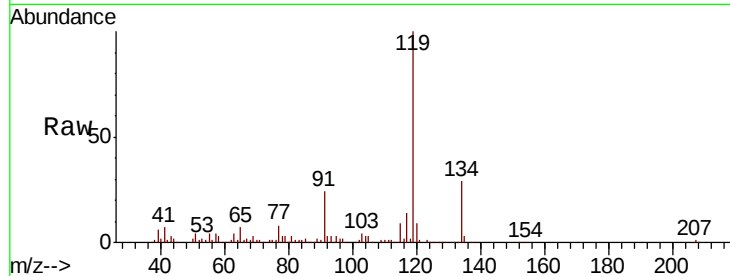




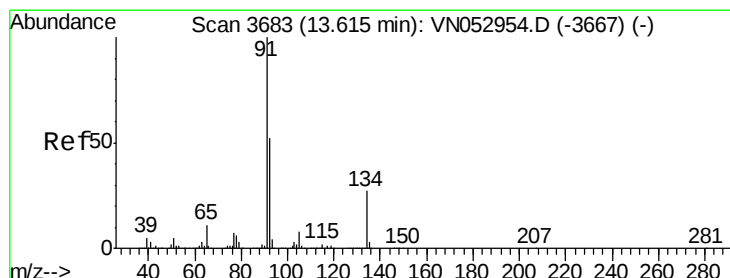
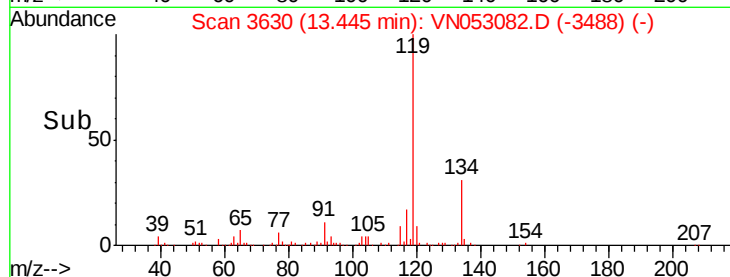
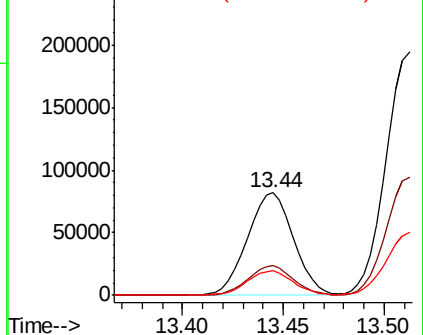
#86
 p-Isopropyltoluene
 Concen: 2.765 ug/l
 RT: 13.44 min Scan# 3630
 Delta R.T. 0.16 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 119 Resp: 131522
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.4 40.2
 91 23.7 11.1 33.3

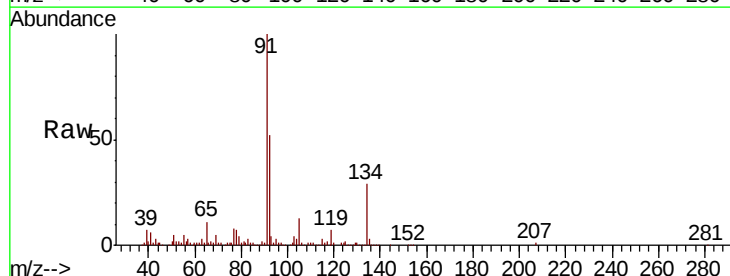


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

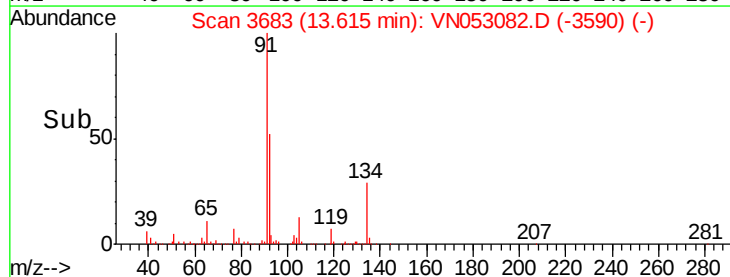
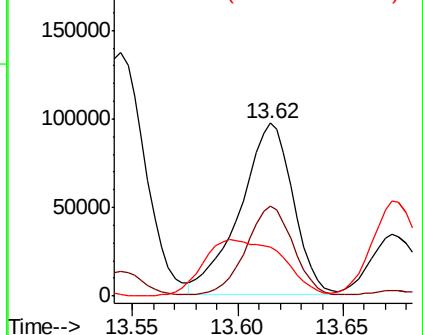


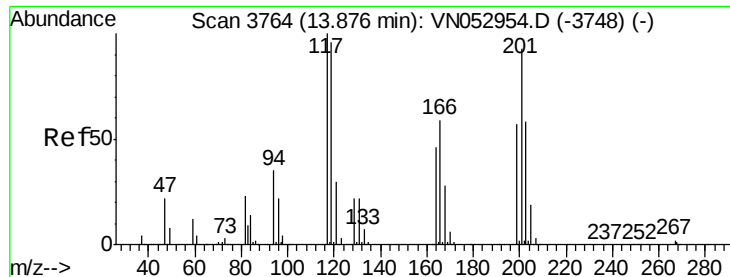
#89
 n-Butylbenzene
 Concen: 4.141 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Tgt Ion: 91 Resp: 169469
 Ion Ratio Lower Upper
 91 100
 92 47.5 26.3 78.9
 134 49.8 13.3 39.8#



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





#90

Hexachloroethane

Concen: 16.292 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

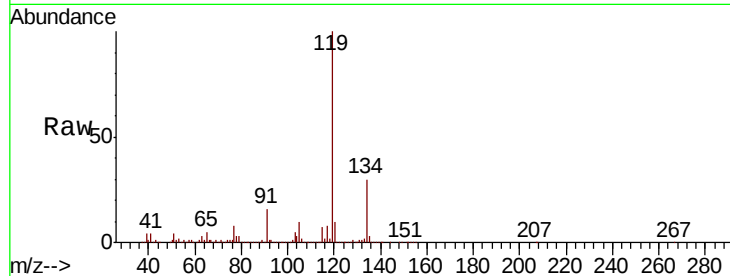
ClientSampled :

Tot Ion:117 Resp: 118936

Ion Ratio Lower Upper

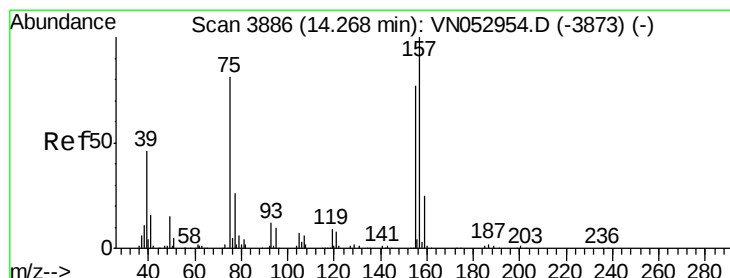
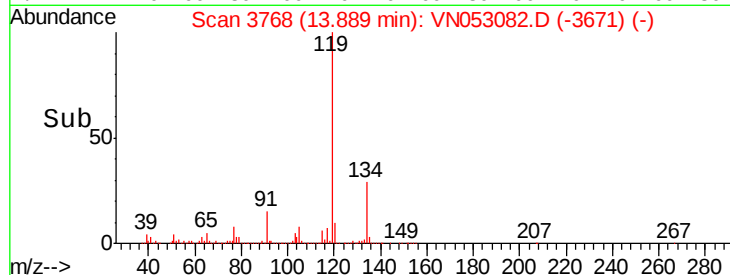
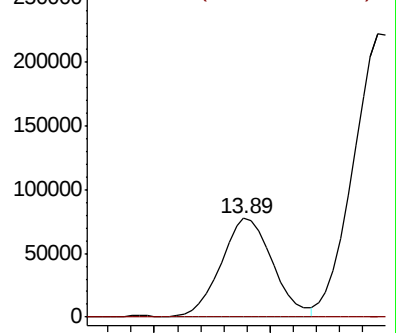
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.610 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

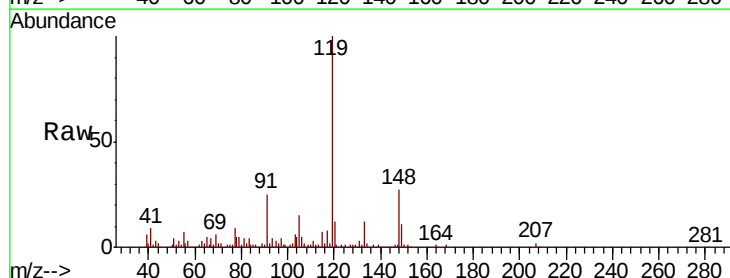
Tgt Ion: 75 Resp: 1168

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

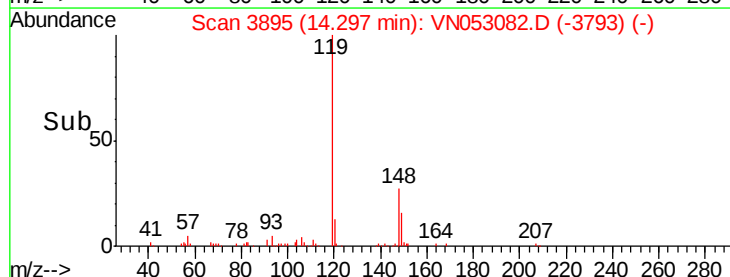
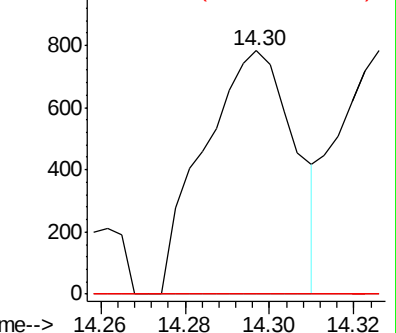
157 0.0 61.2 183.5#

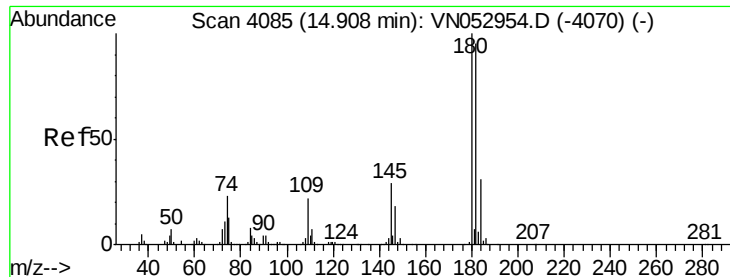


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.689 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

Instrument :

MSVOA_N

ClientSampleId :

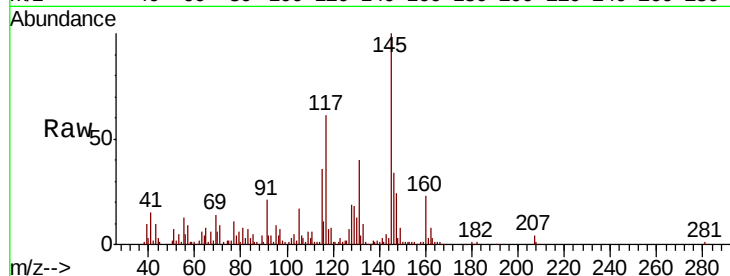
Tot Ion:180 Resp: 1217

Ion Ratio Lower Upper

180 100

182 83.4 47.8 143.3

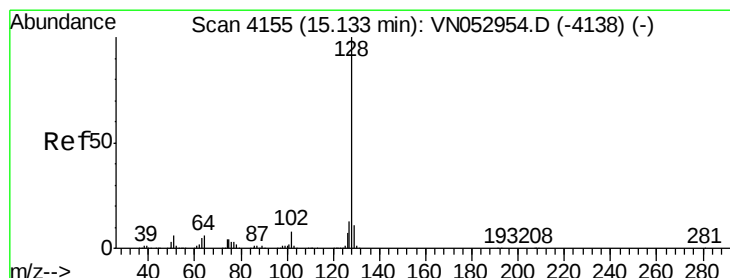
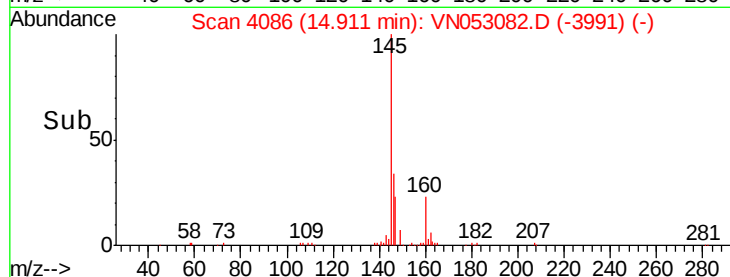
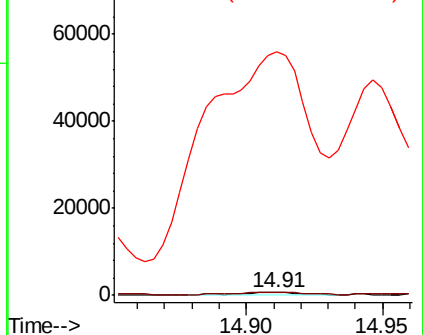
145 11721.9 14.2 42.6#



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



#95

Naphthalene

Concen: 1.373 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053082.D

Acq: 21 Dec 2018 3:29

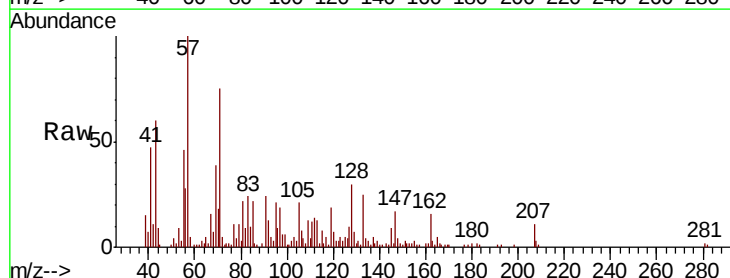
Tgt Ion:128 Resp: 6587

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

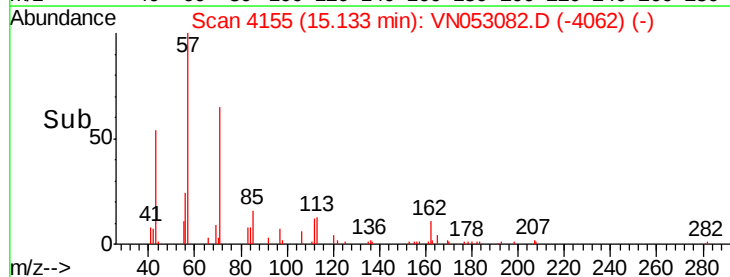
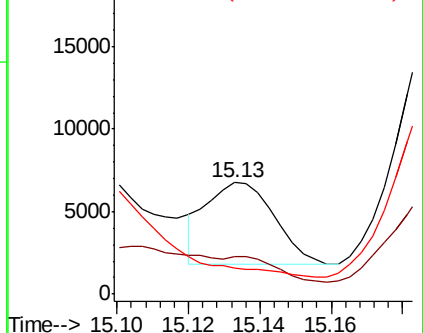
129 0.0 8.6 13.0#

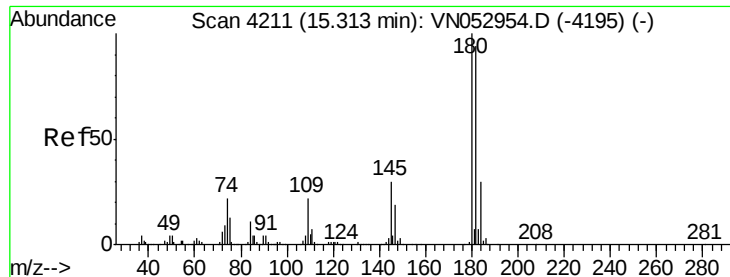


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

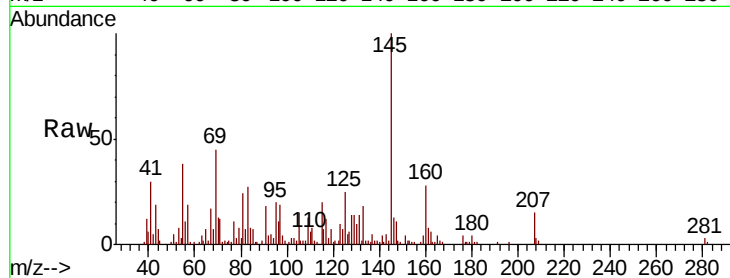




#96
 1,2,3-Trichlorobenzene
 Concen: 0.590 ug/l
 RT: 15.34 min Scan# 4218
 Delta R.T. 0.02 min
 Lab File: VN053082.D
 Acq: 21 Dec 2018 3:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	12.3	47.9	143.7#
145	0.0	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

