

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053800.D
 Acq On : 15 Feb 2019 15:18
 Operator : JC/SP
 Sample : K1500-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1043181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	413347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	357803	53.88	ug/l	0.00
Spiked Amount						
			Recovery	=	107.76%	
35) Dibromofluoromethane	7.59	113	354117	47.57	ug/l	0.00
Spiked Amount						
			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	1432454	51.25	ug/l	0.00
Spiked Amount						
			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	444559	47.69	ug/l	0.00
Spiked Amount						
			Recovery	=	95.38%	

Target Compounds

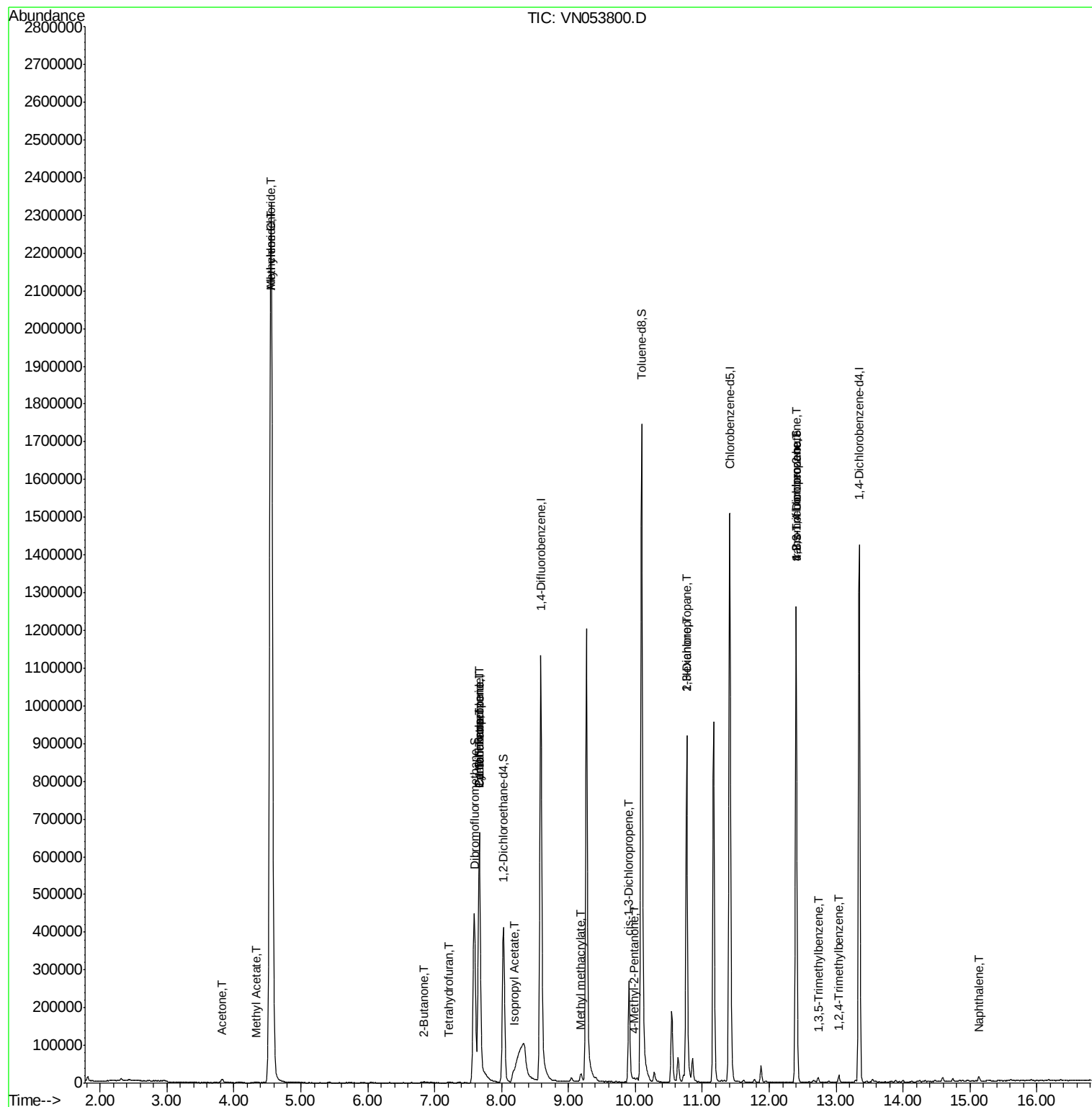
						Qvalue
14) Allyl chloride	4.55	41	66291	6.792	ug/l #	27
16) Acetone	3.82	43	15896	9.332	ug/l	94
18) Methyl Acetate	4.35	43	2977	0.590	ug/l #	58
20) Methylene Chloride	4.55	84	1874485	262.301	ug/l	98
25) 2-Butanone	6.85	43	3987	1.641	ug/l #	82
29) Tetrahydrofuran	7.22	42	1703	1.092	ug/l #	46
31) Cyclohexane	7.66	56	9489	0.678	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39465	3.716	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53609	5.011	ug/l #	15
43) Isopropyl Acetate	8.18	43	30258	2.642	ug/l #	78
48) Methyl methacrylate	9.18	41	9006	1.647	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	5870	1.043	ug/l #	85
54) cis-1,3-Dichloropropene	9.90	75	56324	4.522	ug/l #	62
57) 1,3-Dichloropropane	10.77	76	10829	0.905	ug/l #	43
59) 2-Hexanone	10.76	43	136042	35.604	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	206206	38.839	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6239	0.259	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	206206	109.213	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	12296	0.501	ug/l	99
95) Naphthalene	15.13	128	11429	2.344	ug/l	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

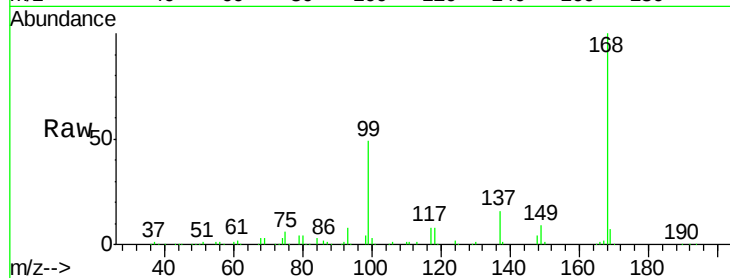
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 661960

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

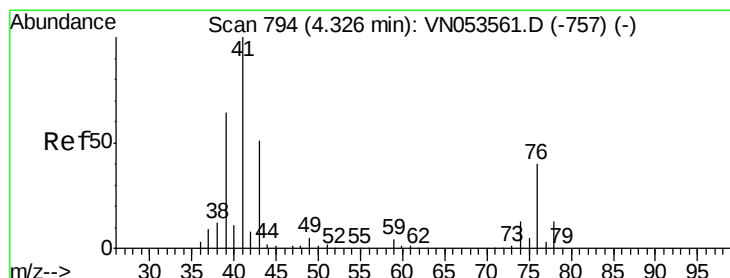
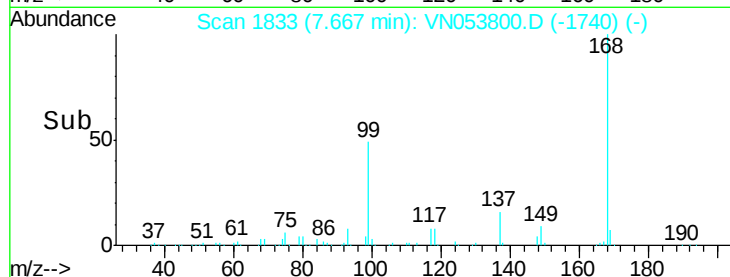
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#14

Allyl chloride

Concen: 6.792 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

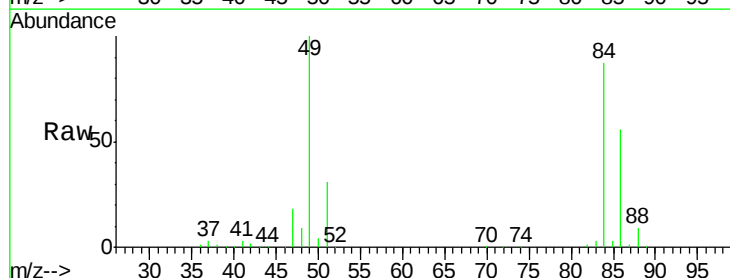
Tgt Ion: 41 Resp: 66291

Ion Ratio Lower Upper

41 100

39 0.3 48.9 73.3#

76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

25000

20000

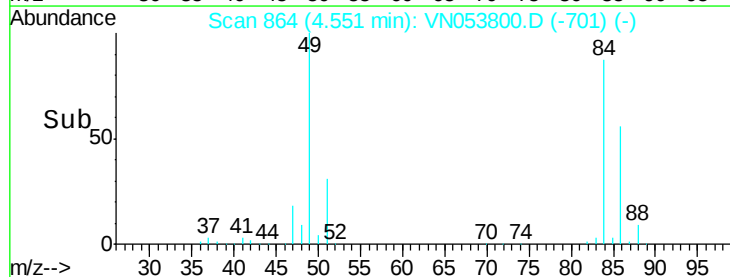
15000

10000

5000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 9.332 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_N

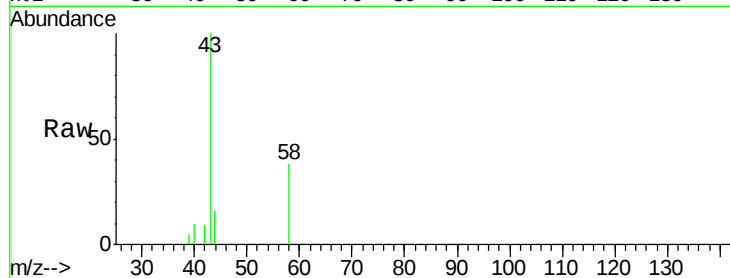
ClientSampleId :

Tot Ion: 43 Resp: 15896

Ion Ratio Lower Upper

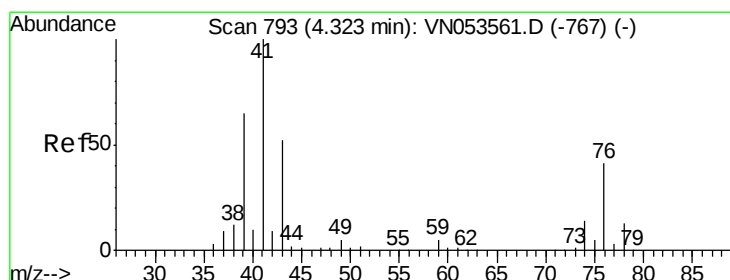
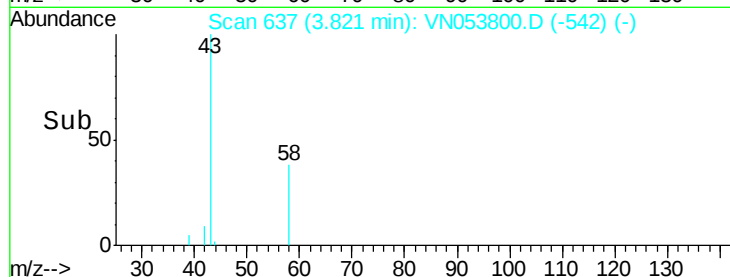
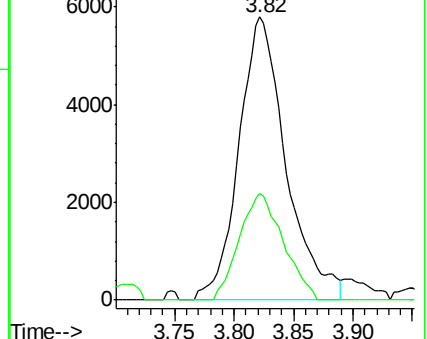
43 100

58 37.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.590 ug/l

RT: 4.35 min Scan# 800

Delta R.T. 0.02 min

Lab File: VN053800.D

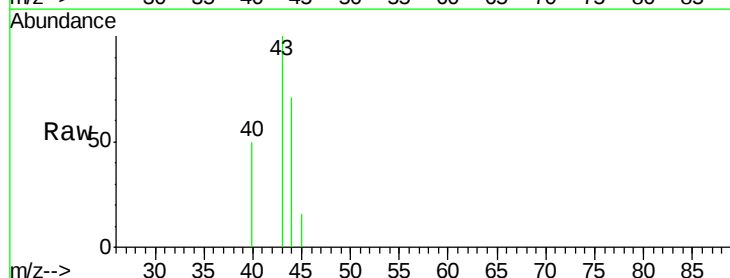
Acq: 15 Feb 2019 15:18

Tgt Ion: 43 Resp: 2977

Ion Ratio Lower Upper

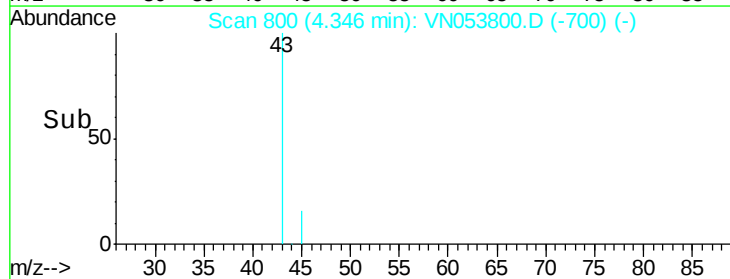
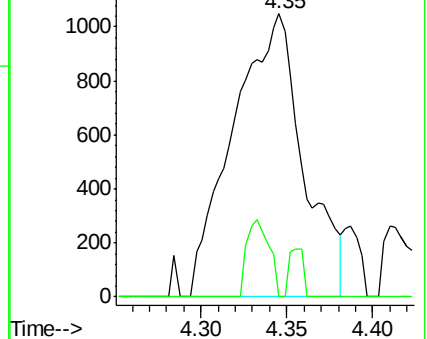
43 100

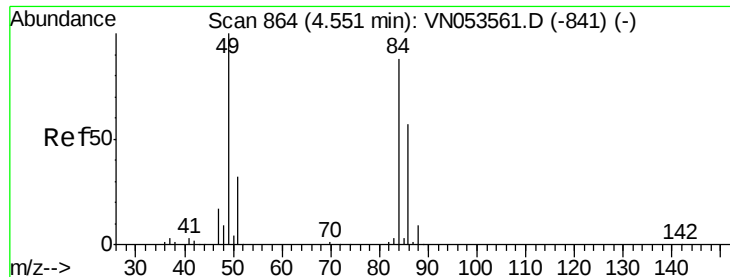
74 3.4 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



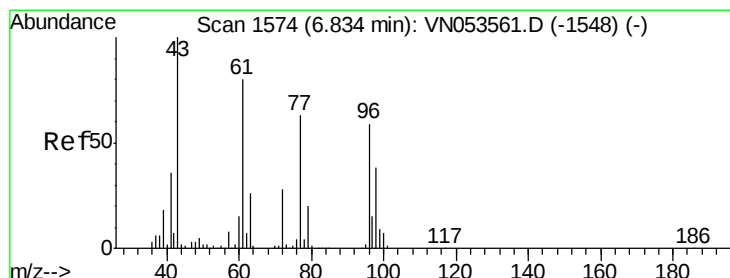
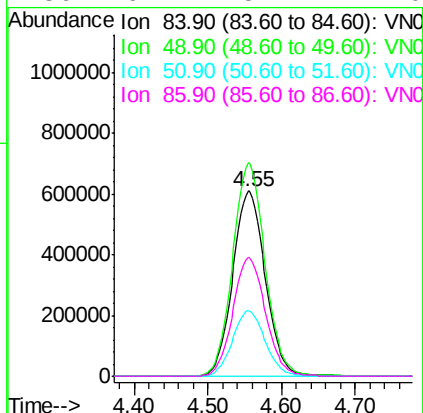
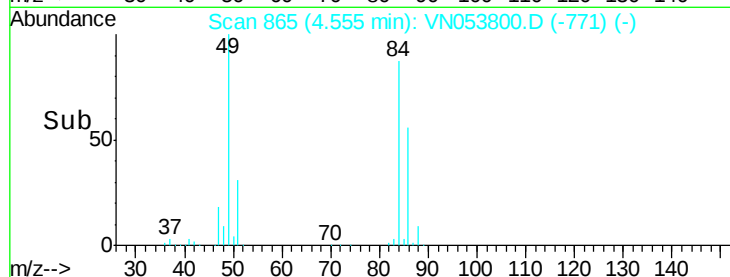
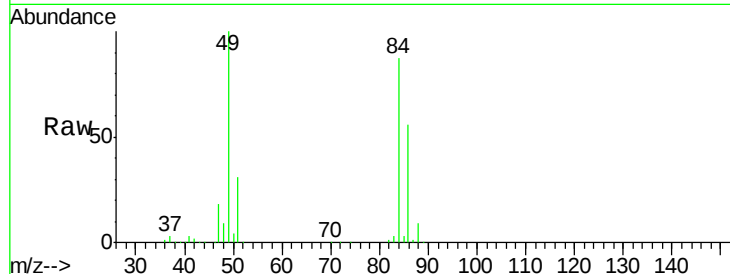


#20
Methvlene Chloride
Concen: 262.301 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 1874485

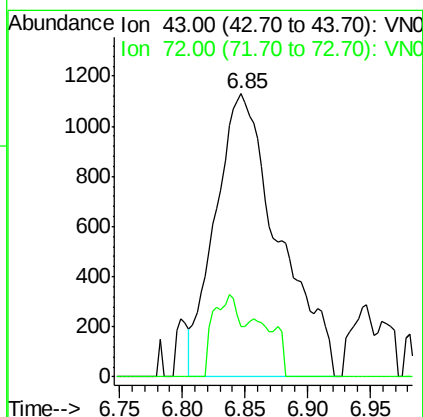
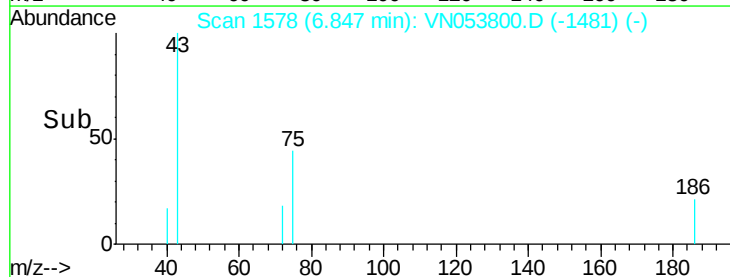
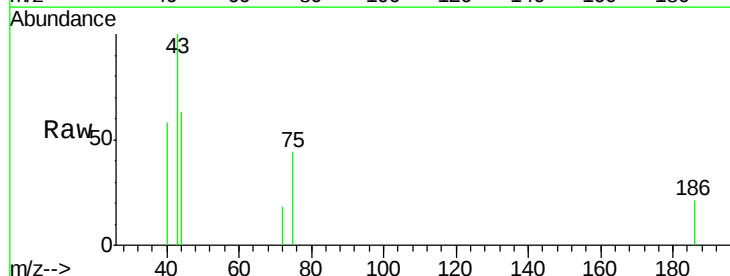
Ion	Ratio	Lower	Upper
84	100		
49	115.3	94.3	141.5
51	35.5	29.4	44.2
86	64.2	51.4	77.0

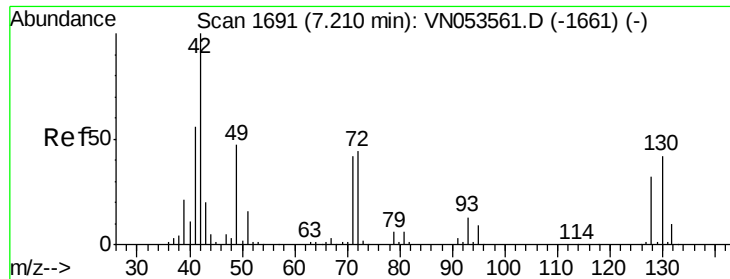


#25
2-Butanone
Concen: 1.641 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 43 Resp: 3987

Ion	Ratio	Lower	Upper
43	100		
72	18.0	22.0	33.0#

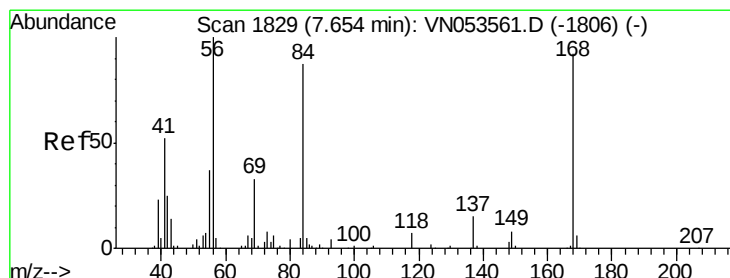
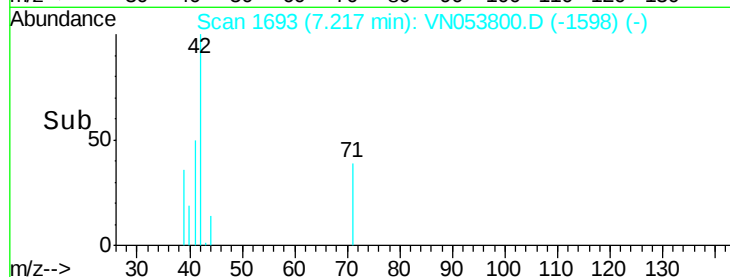
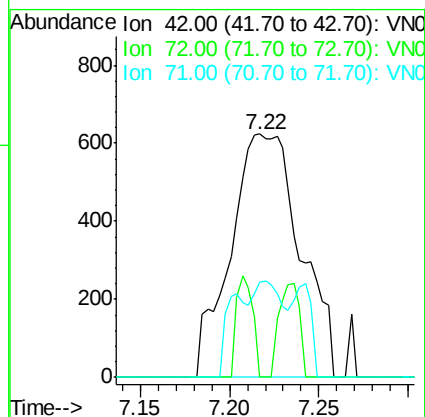
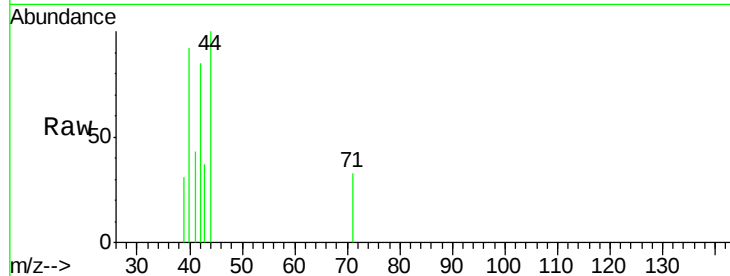




#29
Tetrahydrofuran
Concen: 1.092 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

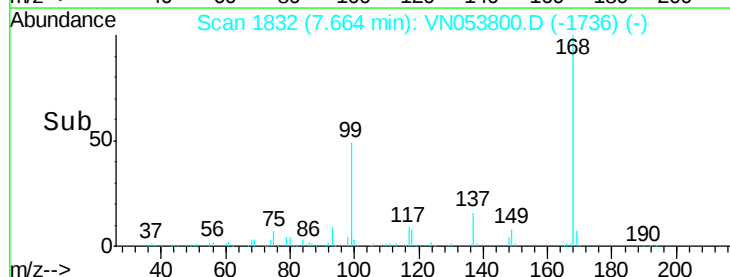
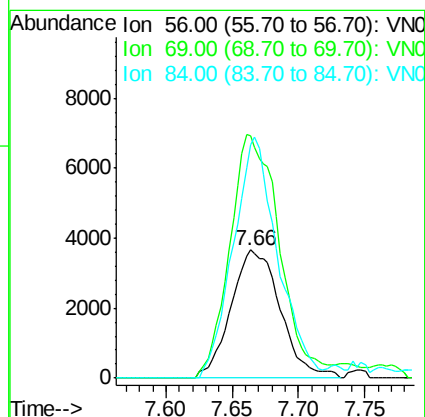
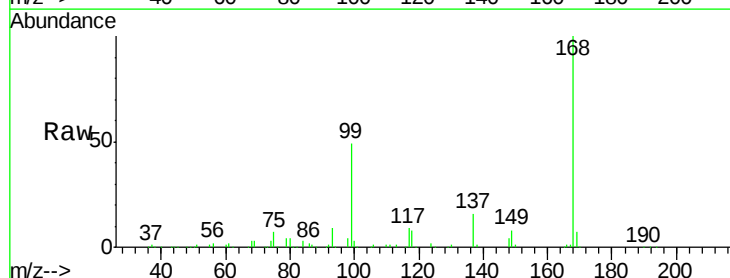
Instrument :
MSVOA_N
ClientSampled :

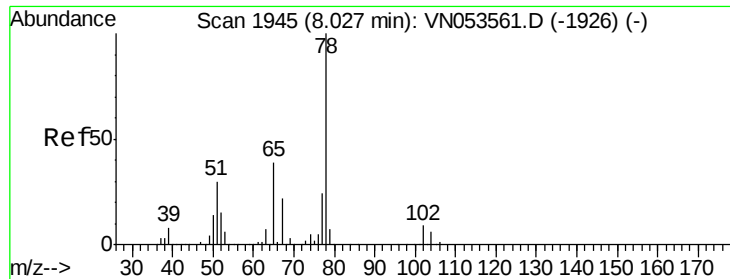
Tot Ion: 42 Resp: 1703
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 17.1 33.0 49.4#



#31
Cyclohexane
Concen: 0.678 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 56 Resp: 9489
Ion Ratio Lower Upper
56 100
69 189.1 26.4 39.6#
84 181.5 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 53.880 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

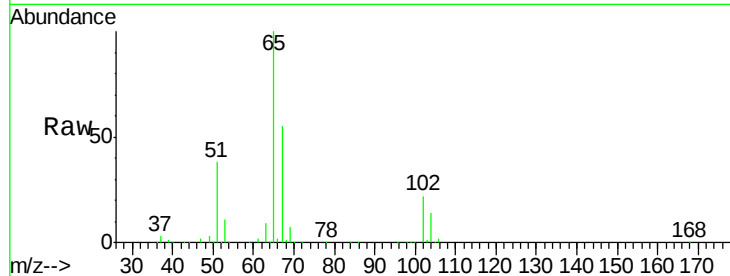
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 357803

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053800.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053800.D (-1852) (-)

8.03

150000

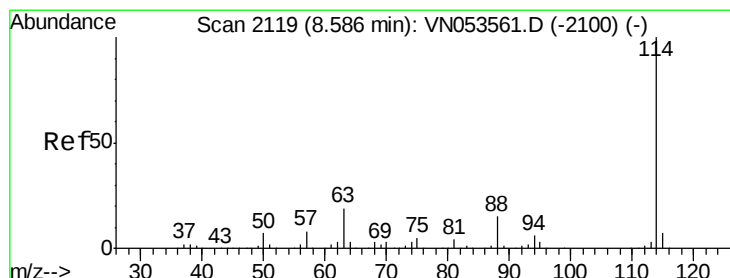
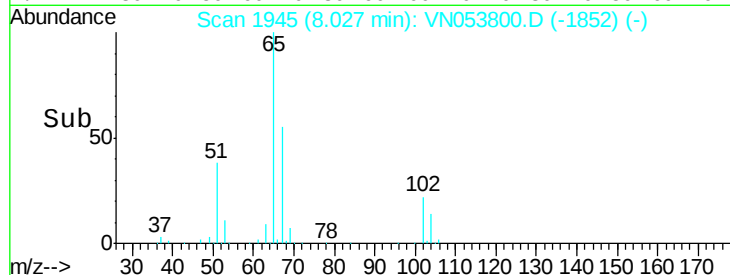
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

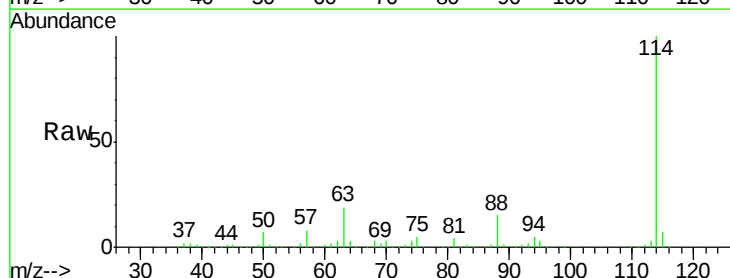
Tgt Ion: 114 Resp: 1178044

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053800.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053800.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053800.D (-2026) (-)

8.59

600000

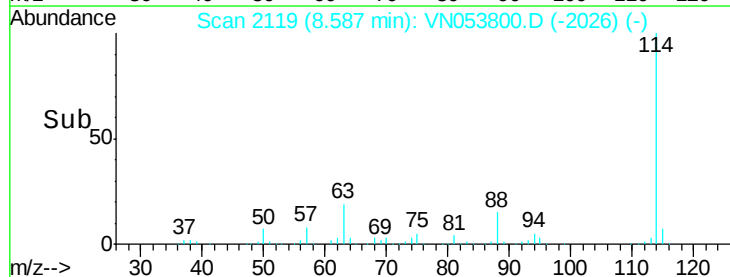
400000

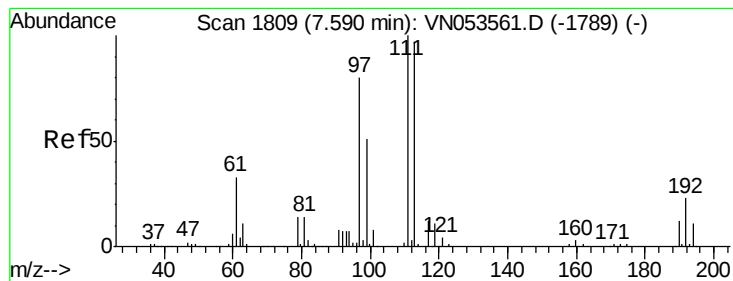
200000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 47.573 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_N
ClientSampleId :

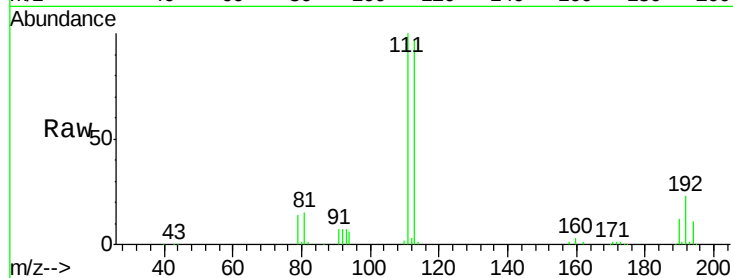
Tot Ion:113 Resp: 354117

Ion Ratio Lower Upper

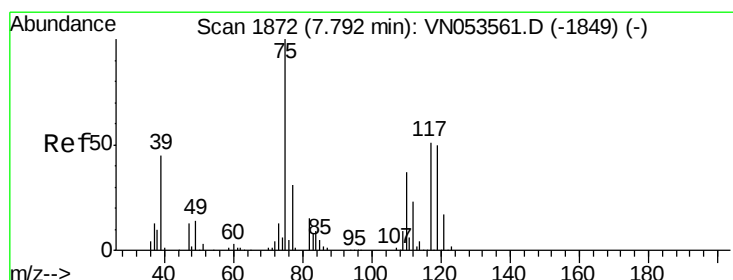
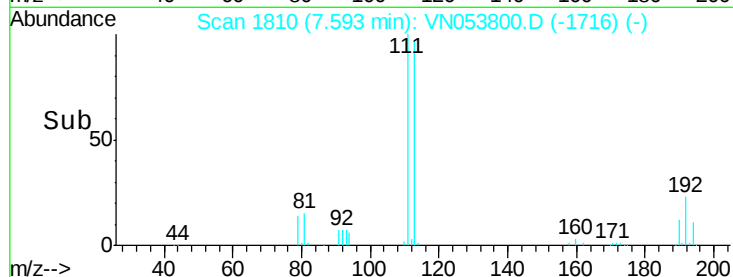
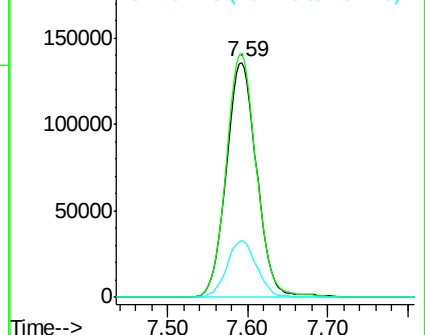
113 100

111 102.7 81.1 121.7

192 23.8 18.2 27.2



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: 3.716 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

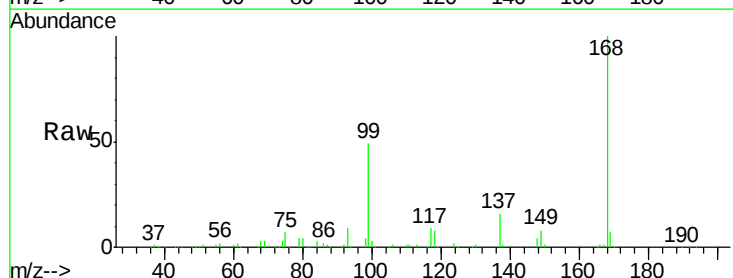
Tgt Ion: 75 Resp: 39465

Ion Ratio Lower Upper

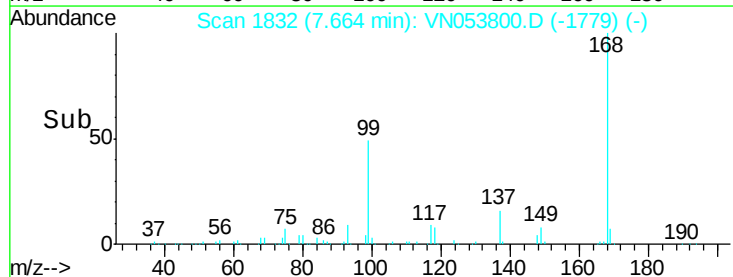
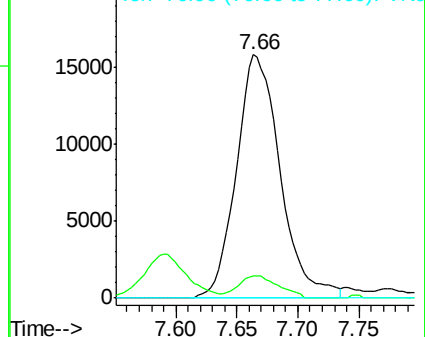
75 100

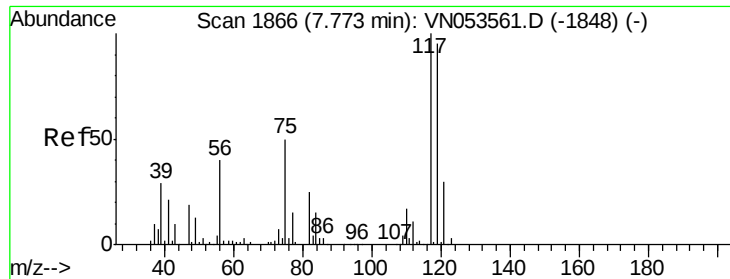
110 8.4 18.1 54.3#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

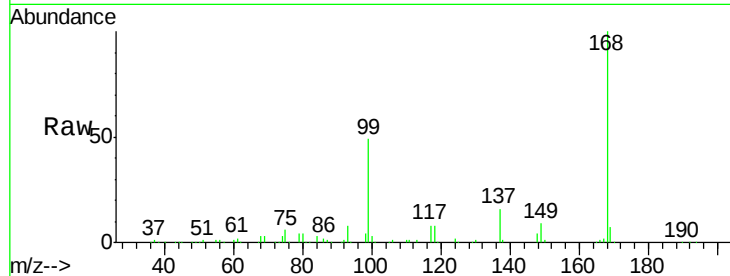




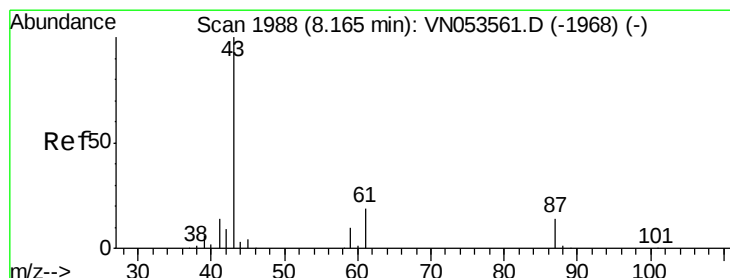
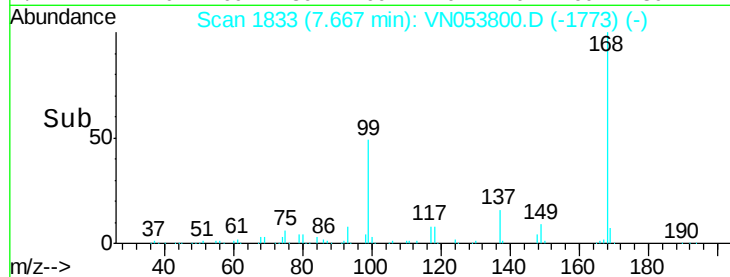
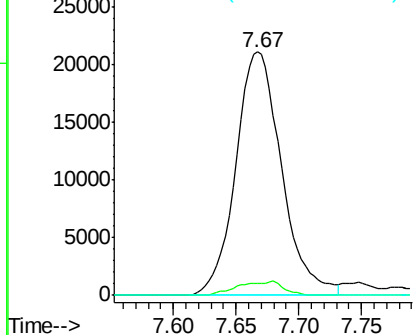
#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 53609
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.6 37.0#

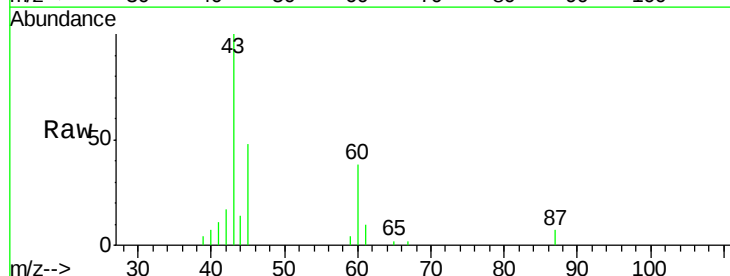


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

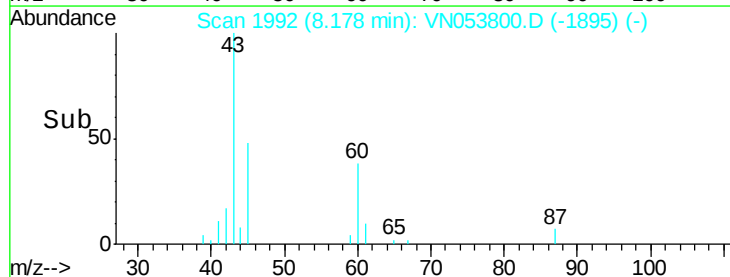
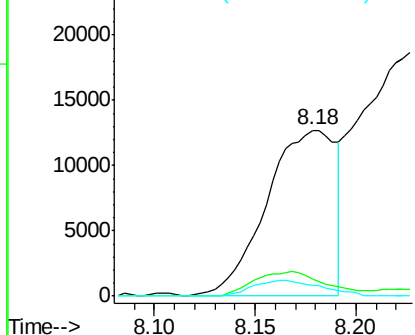


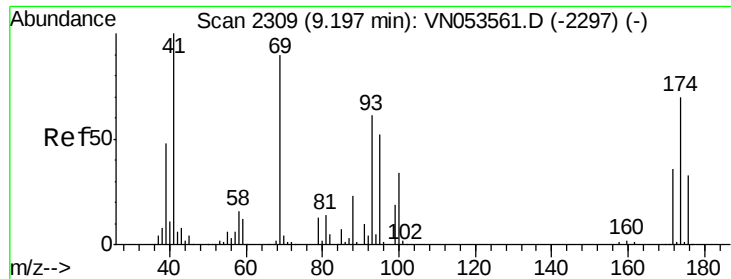
#43
Isopropyl Acetate
Concen: 2.642 ug/l
RT: 8.18 min Scan# 1992
Delta R.T. 0.01 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 43 Resp: 30258
Ion Ratio Lower Upper
43 100
61 15.3 23.9 35.9#
87 9.2 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

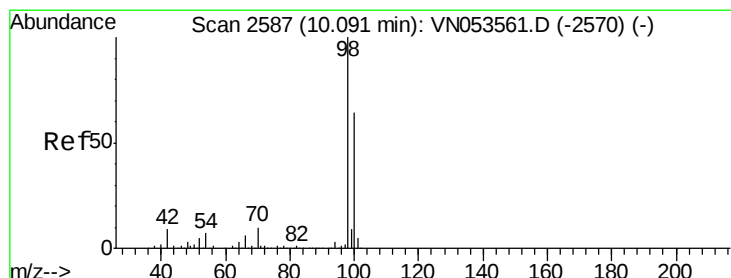
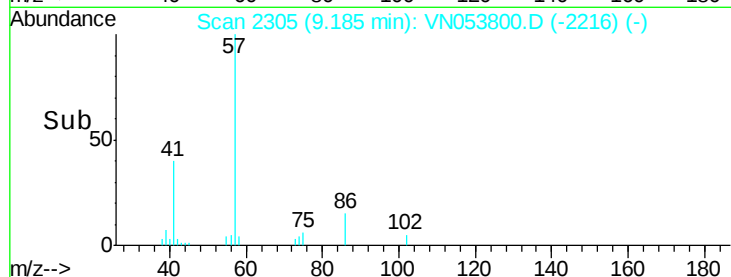
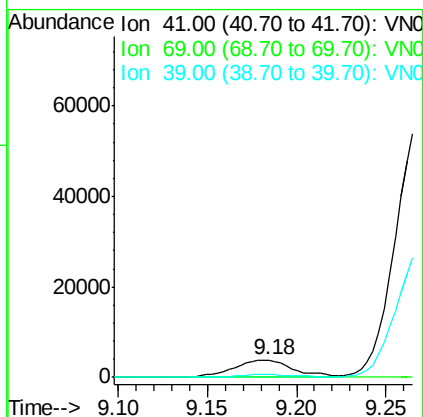
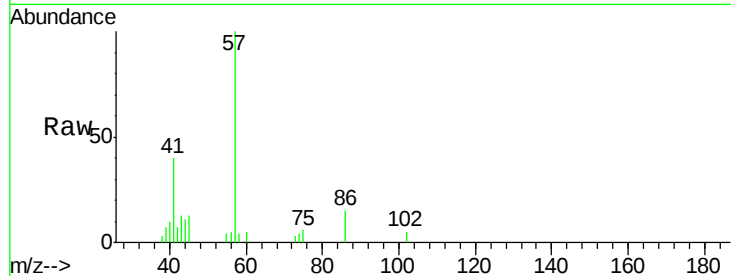




#48
Methvl methacrylate
Concen: 1.647 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

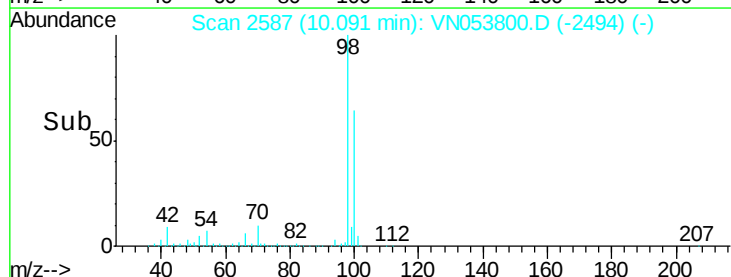
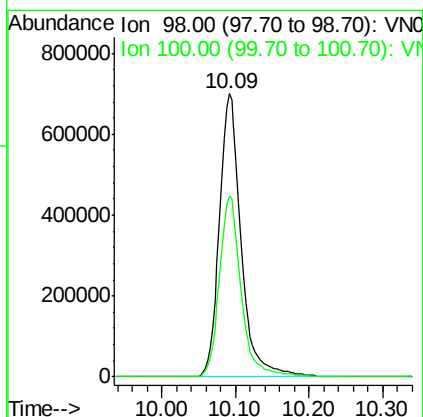
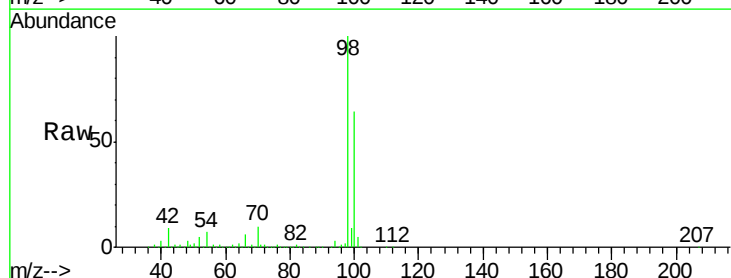
Instrument :
MSVOA_N
ClientSampleId :

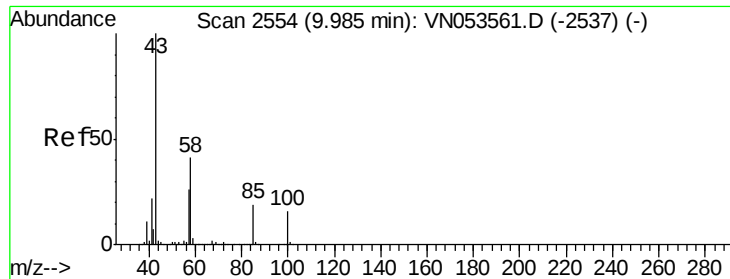
Tot Ion: 41 Resp: 9006
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#50
Toluene-d8
Concen: 51.251 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 98 Resp: 1432454
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

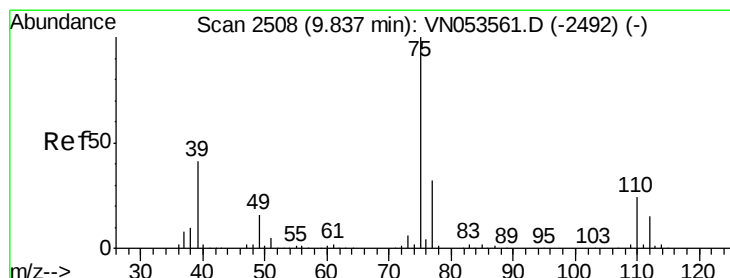
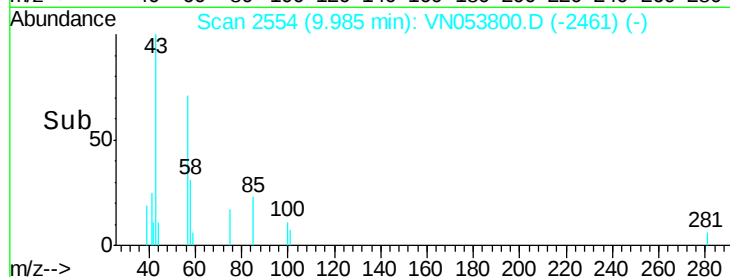
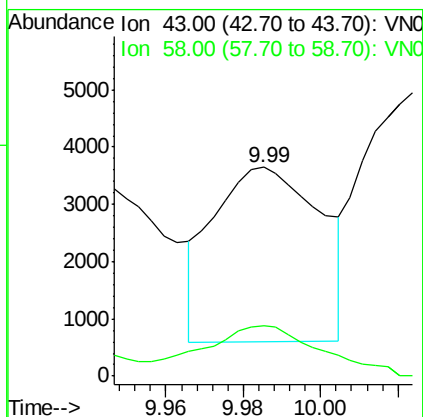
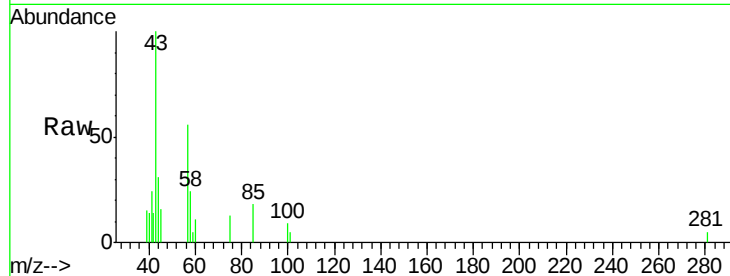




#51
 4-Methyl-2-Pentanone
 Concen: 1.043 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053800.D
 Acq: 15 Feb 2019 15:18

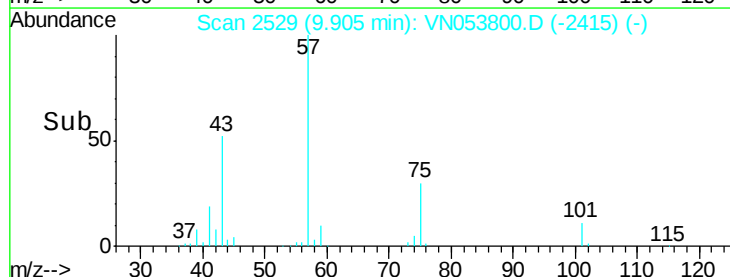
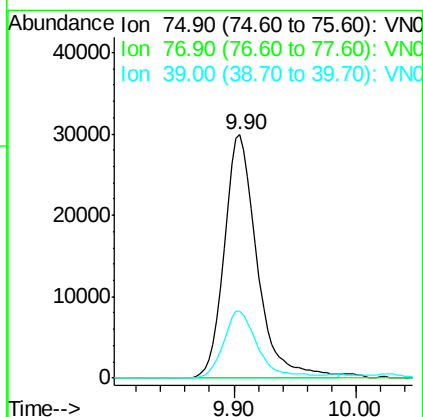
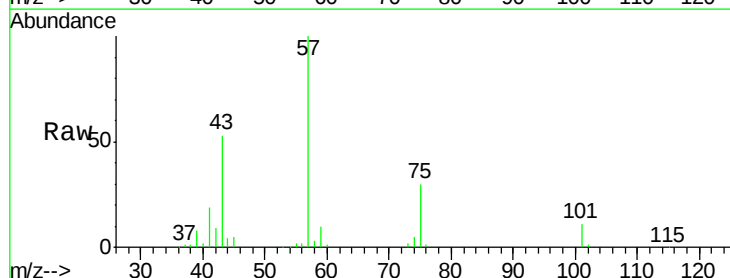
Instrument :
 MSVOA_N
 ClientSampled :

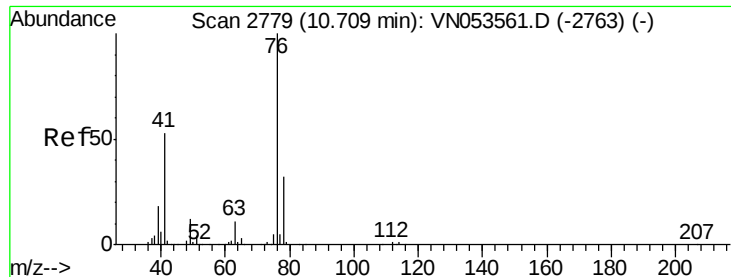
Tot Ion: 43 Resp: 5870
 Ion Ratio Lower Upper
 43 100
 58 31.4 32.8 49.2#



#54
 cis-1,3-Dichloropropene
 Concen: 4.522 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053800.D
 Acq: 15 Feb 2019 15:18

Tgt Ion: 75 Resp: 56324
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 27.6 33.4 50.0#

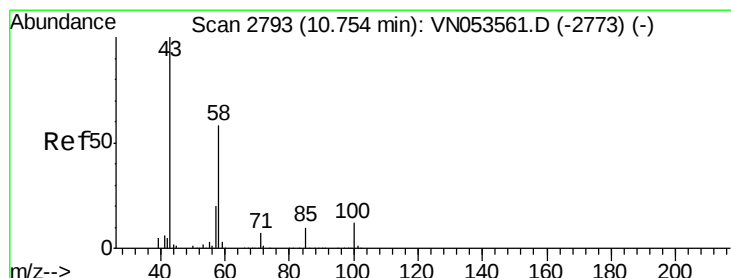
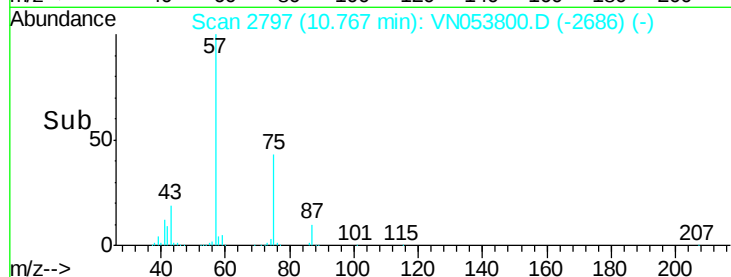
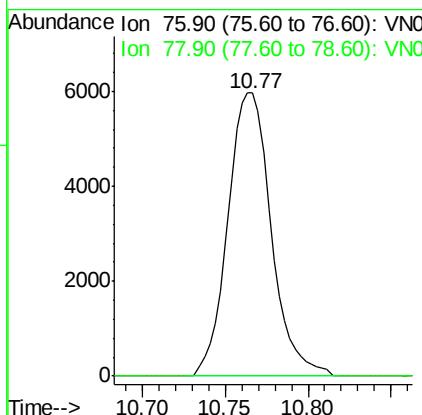
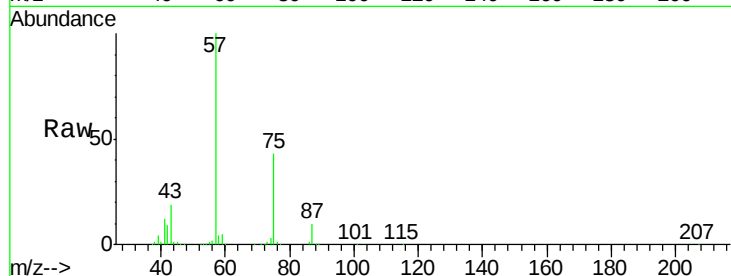




#57
 1,3-Dichloropropane
 Concen: 0.905 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053800.D
 Acq: 15 Feb 2019 15:18

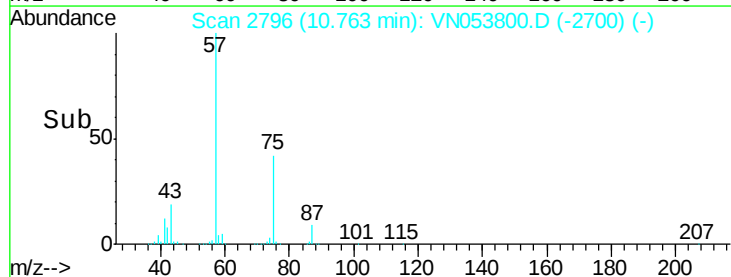
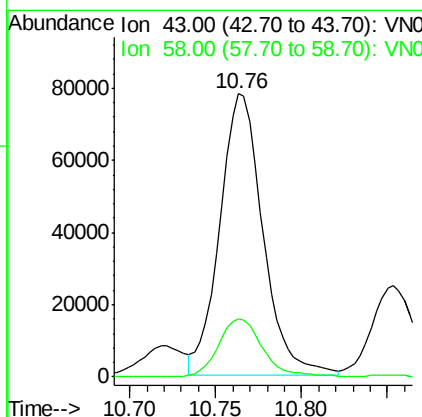
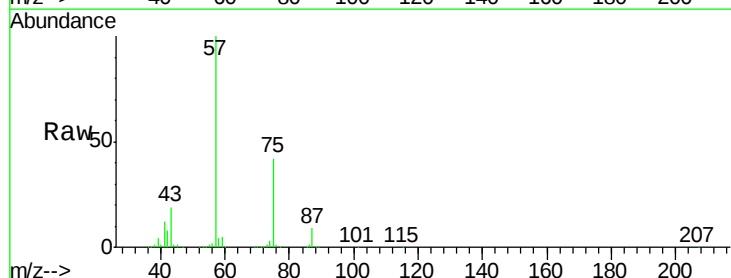
Instrument :
 MSVOA_N
 ClientSampleId :

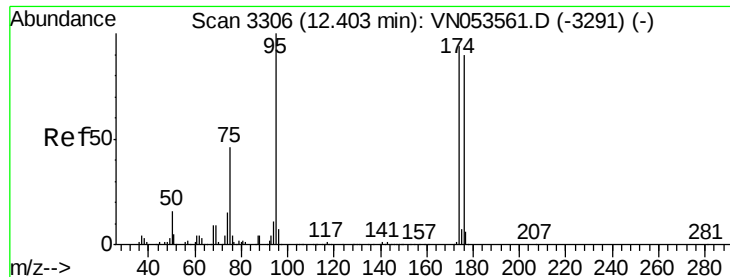
Tot Ion: 76 Resp: 10829
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 35.604 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053800.D
 Acq: 15 Feb 2019 15:18

Tgt Ion: 43 Resp: 136042
 Ion Ratio Lower Upper
 43 100
 58 21.5 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 47.691 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

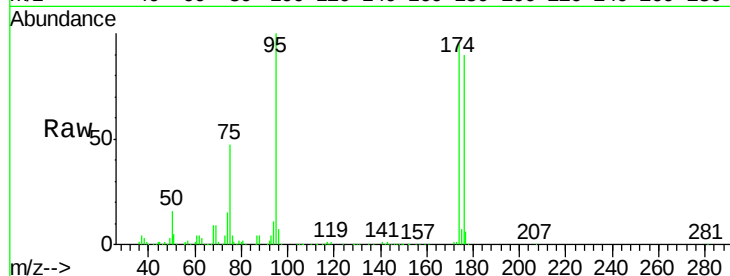
Tot Ion: 95 Resp: 444559

Ion Ratio Lower Upper

95 100

174 94.2 0.0 183.2

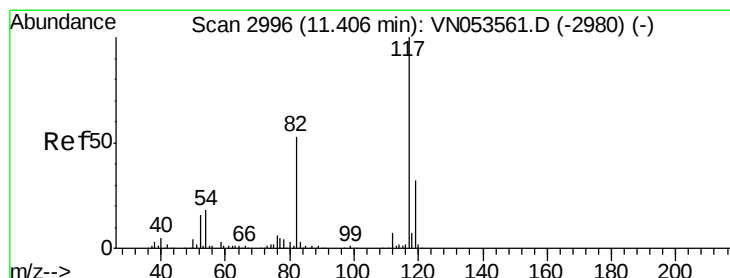
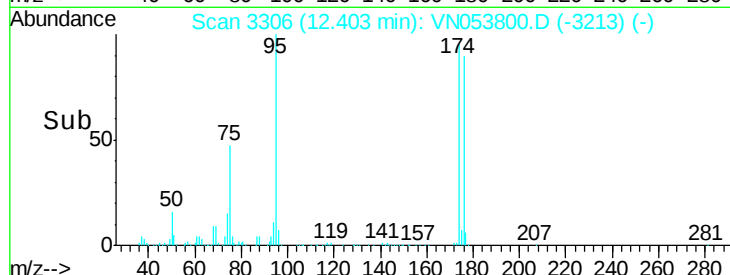
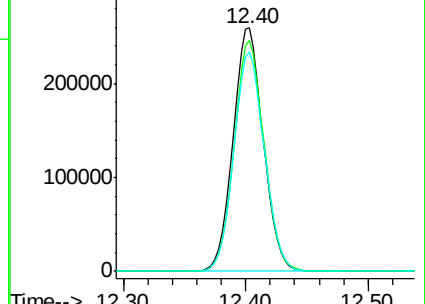
176 91.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

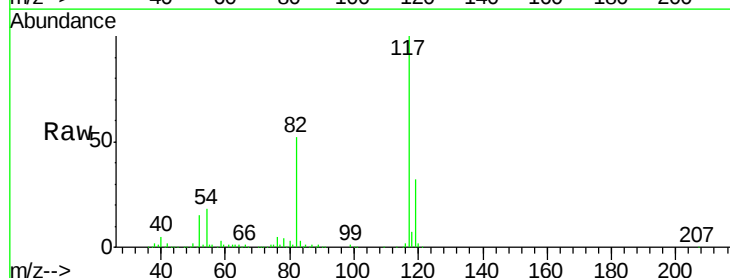
Tgt Ion: 117 Resp: 1043181

Ion Ratio Lower Upper

117 100

82 52.0 42.9 64.3

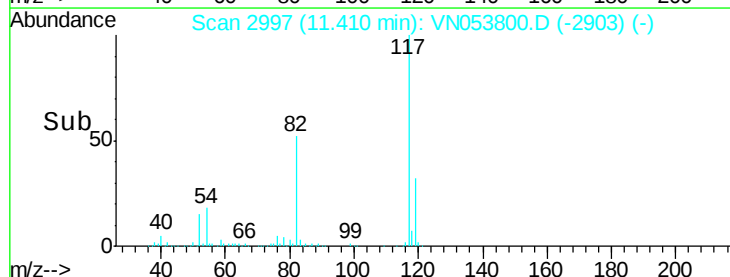
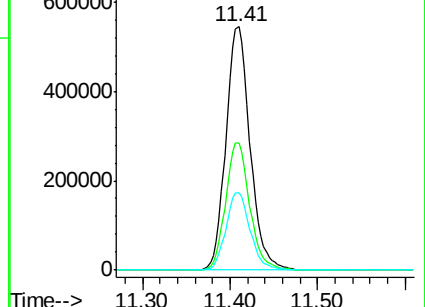
119 31.9 26.0 39.0

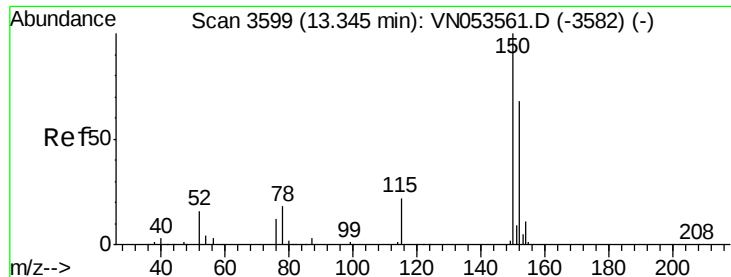


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)



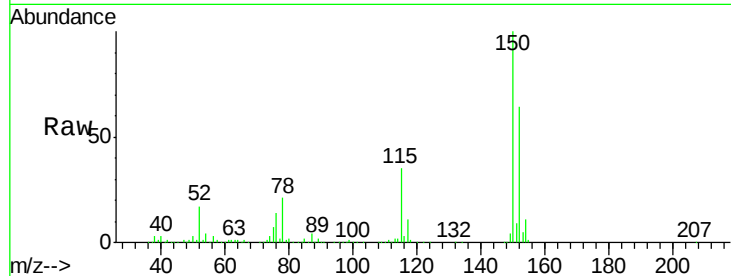


#72

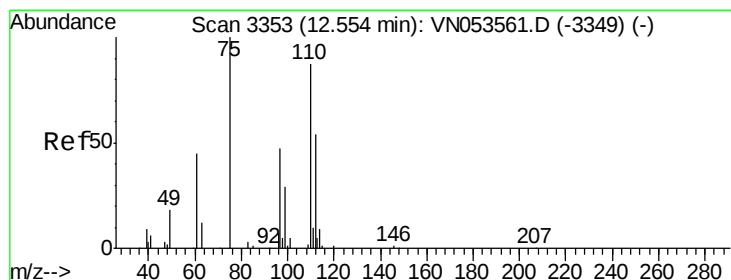
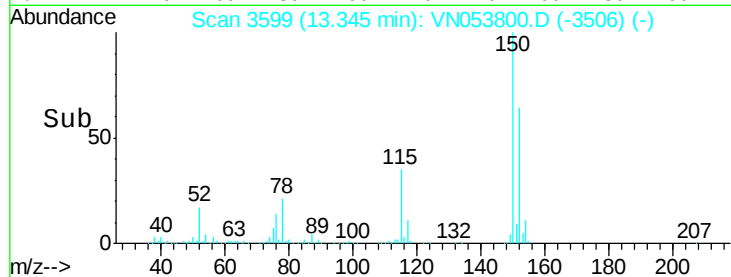
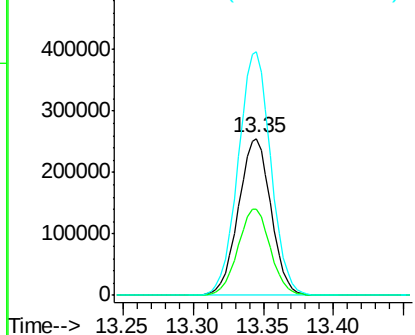
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 413347
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 155.6 0.0 349.0



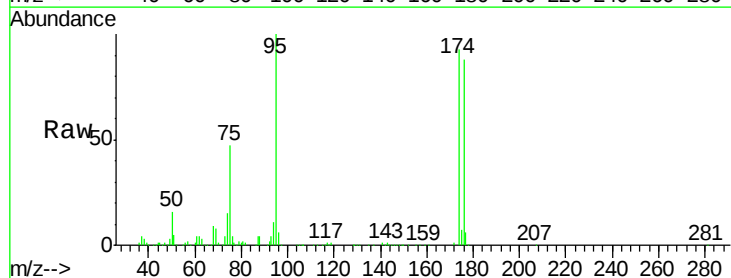
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



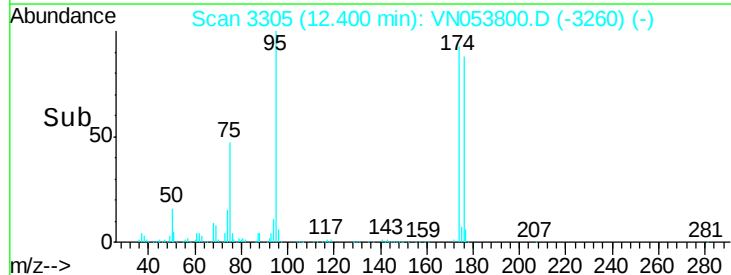
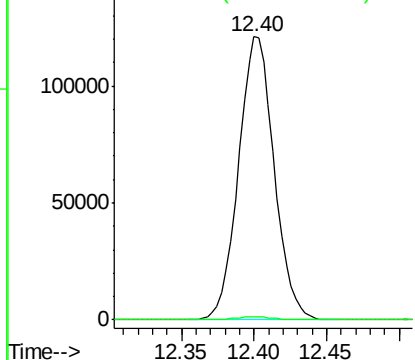
#76

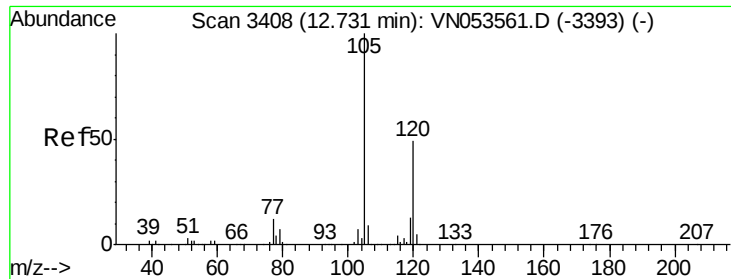
1,2,3-Trichloropropane
Concen: 38.839 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053800.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 75 Resp: 206206
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_N

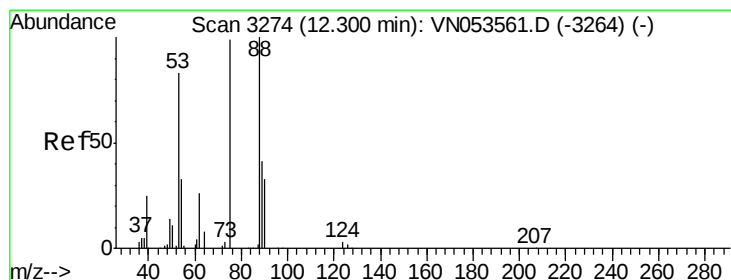
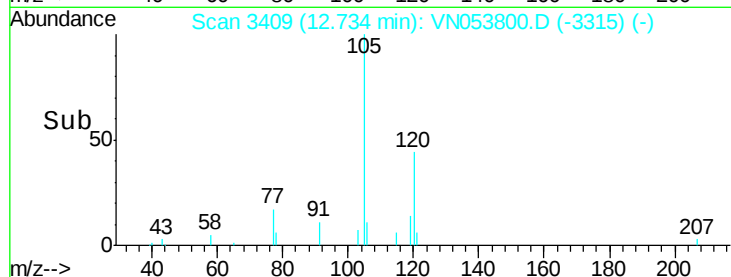
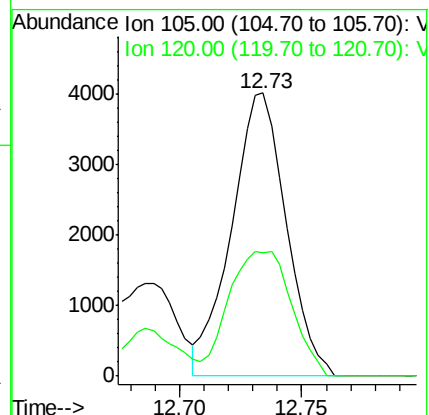
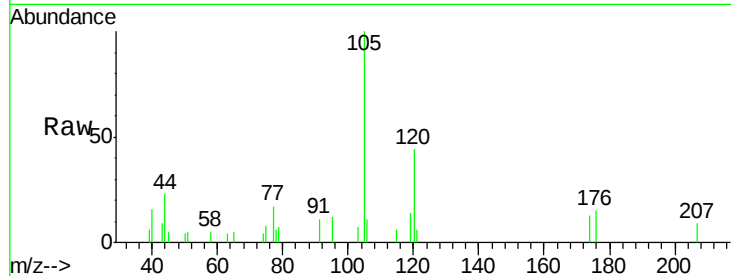
ClientSampled :

Tot Ion:105 Resp: 6239

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 109.213 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

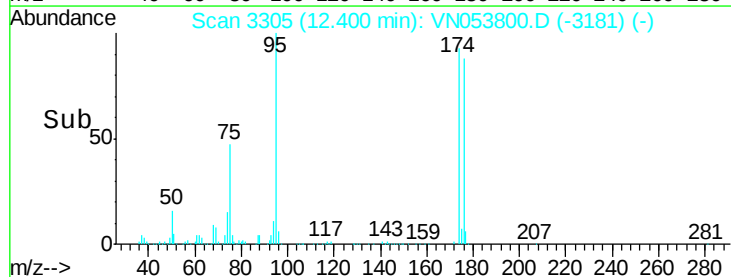
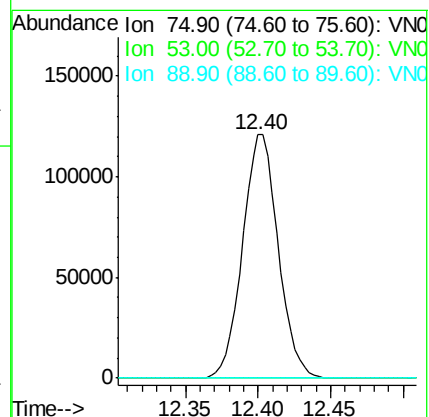
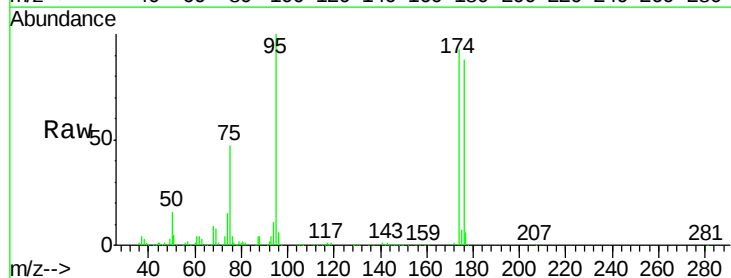
Tgt Ion: 75 Resp: 206206

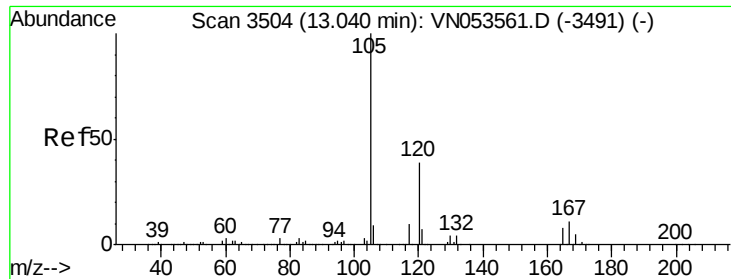
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.501 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_N

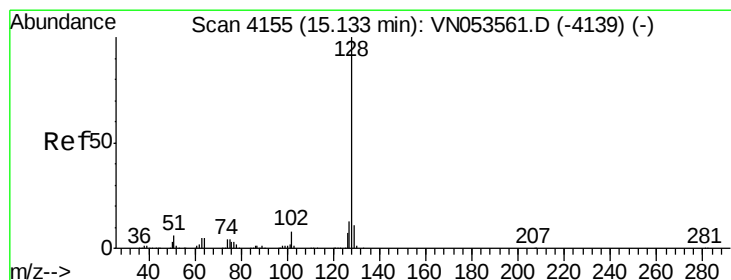
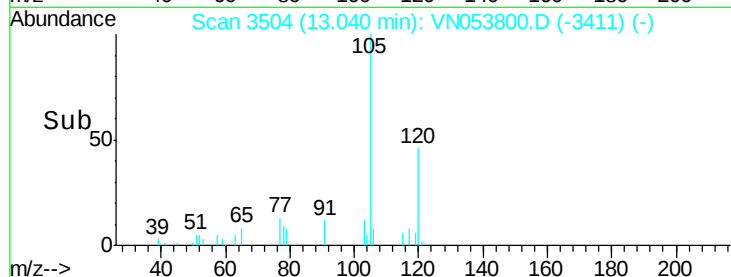
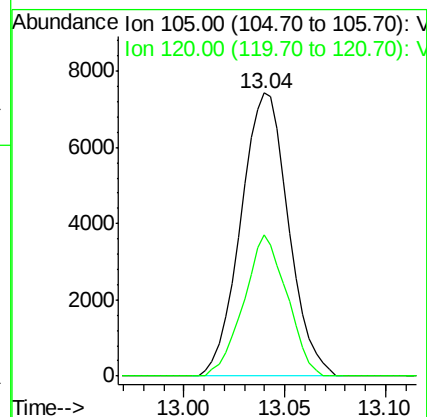
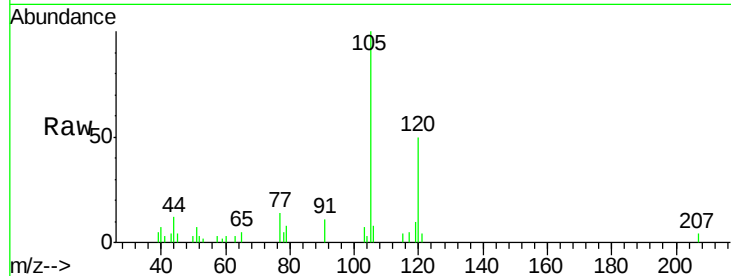
ClientSampleId :

Tot Ion:105 Resp: 12296

Ion Ratio Lower Upper

105 100

120 45.2 23.0 69.0



#95

Naphthalene

Concen: 2.344 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053800.D

Acq: 15 Feb 2019 15:18

Tgt Ion:128 Resp: 11429

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.4 8.6 13.0

