

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052703.D
 Acq On : 6 Dec 2018 17:00
 Operator : MD\SY
 Sample : J6199-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

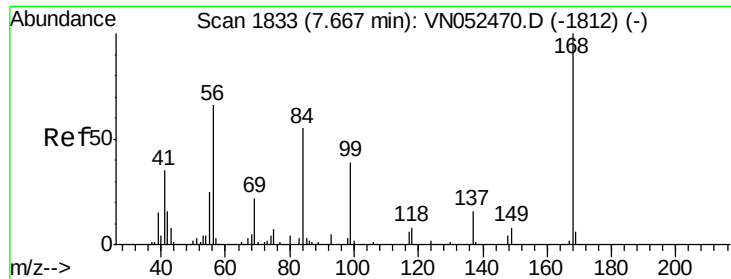
Quant Time: Dec 07 06:40:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1099171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1724757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1527464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	574493	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	602184	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.60	113	534525	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.09	98	2121486	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	655188	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	15706	4.975	ug/l	94
18) Methyl Acetate	4.34	43	4254	0.470	ug/l #	70
20) Methylene Chloride	4.56	84	48846	3.954	ug/l	99
29) Tetrahydrofuran	7.23	42	1340	0.464	ug/l #	44
31) Cyclohexane	7.67	56	18578	0.540	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	76655	4.706	ug/l #	49
38) Carbon Tetrachloride	7.67	117	96642	6.554	ug/l #	16
43) Isopropyl Acetate	8.17	43	37574	2.234	ug/l #	85
45) 1,2-Dichloropropane	9.27	63	3108	0.241	ug/l #	43
48) Methyl methacrylate	9.18	41	14732	1.680	ug/l #	13
49) 1,4-Dioxane	9.26	88	185	2.032	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	12912	1.368	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	97821	5.463	ug/l #	65
56) Ethyl methacrylate	10.54	69	1162	2.771	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	19981	1.116	ug/l #	43
59) 2-Hexanone	10.77	43	284916	44.979	ug/l #	51
71) Bromoform	12.40	173	4222	0.582	ug/l #	1
74) N-amyl acetate	11.88	43	29682	2.607	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	315539	35.618	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7634	0.212	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	315539	118.947	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	102	2.839	ug/l #	12
95) Naphthalene	15.14	128	8703	3.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	64	2.733	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

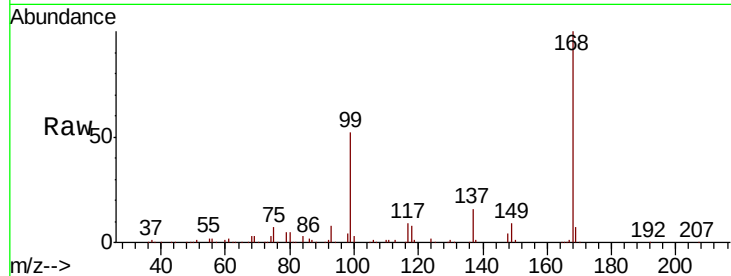
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1099171

Ion Ratio Lower Upper

168 100

99 51.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

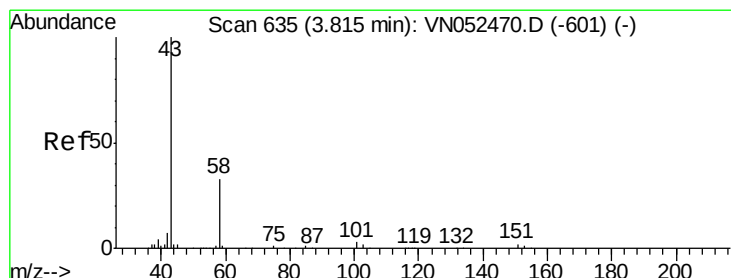
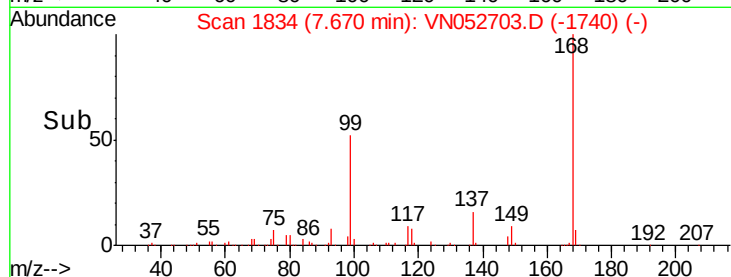
200000

100000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 4.975 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN052703.D

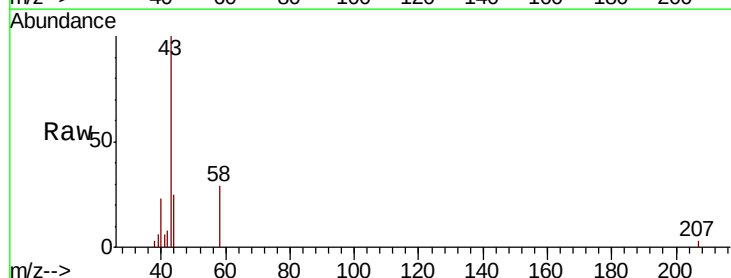
Acq: 6 Dec 2018 17:00

Tgt Ion: 43 Resp: 15706

Ion Ratio Lower Upper

43 100

58 29.2 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

6000

5000

4000

3000

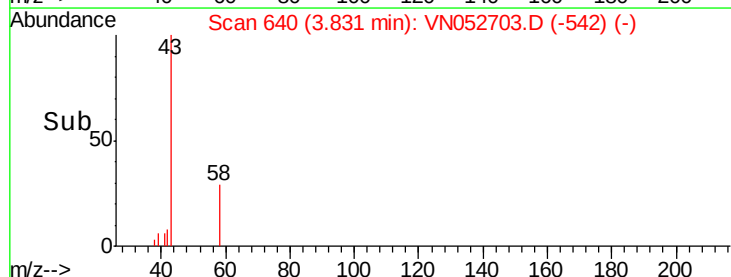
2000

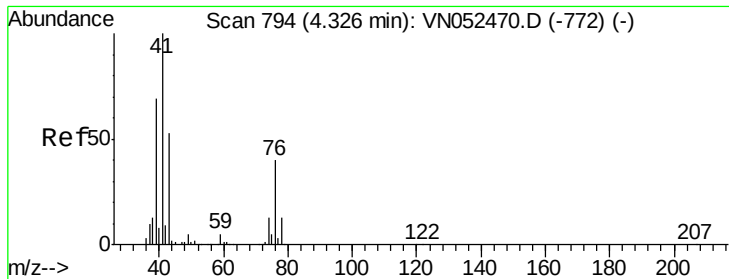
1000

0

Time-->

3.75 3.80 3.85 3.90

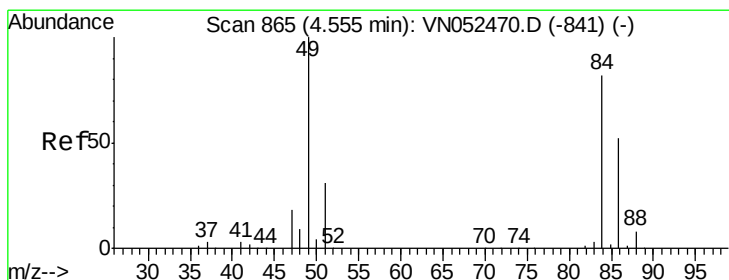
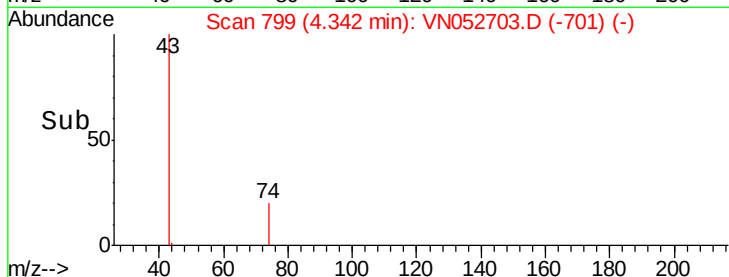
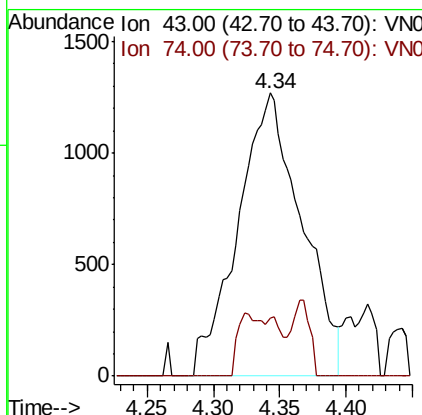
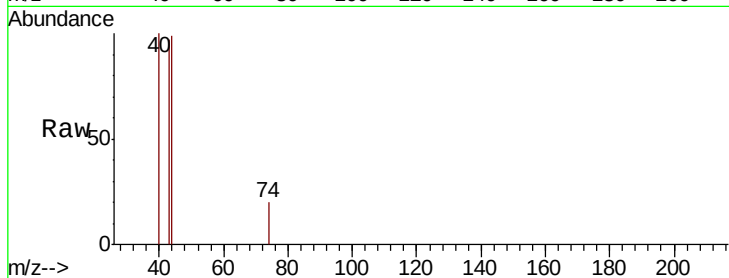




#18
Methyl Acetate
Concen: 0.470 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

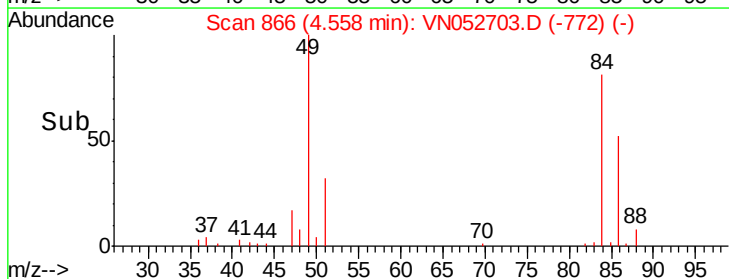
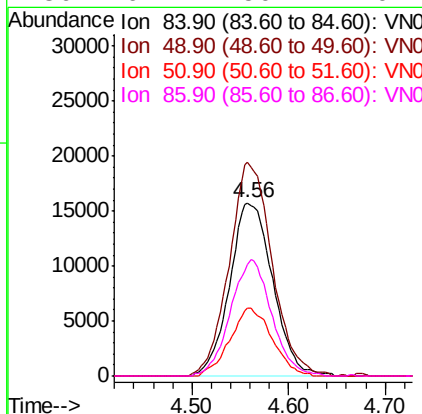
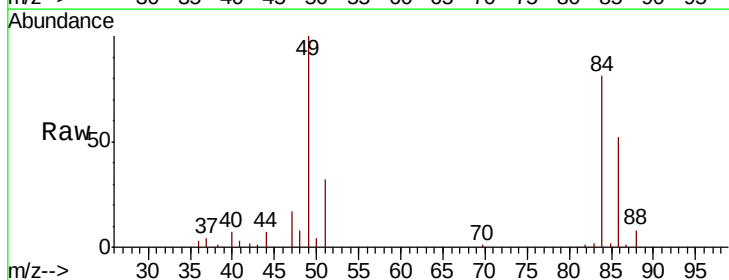
Instrument :
MSVOA_N
ClientSampled :

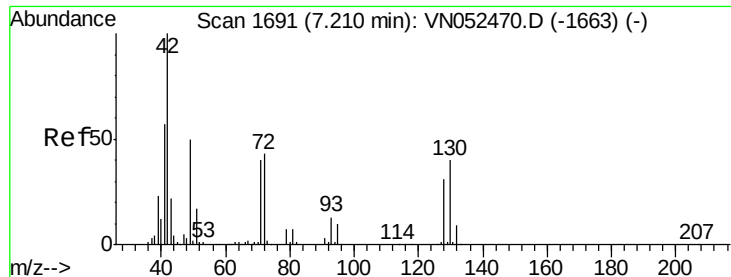
Tot Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
74 8.8 18.6 27.8#



#20
Methylene Chloride
Concen: 3.954 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

Tgt Ion: 84 Resp: 48846
Ion Ratio Lower Upper
84 100
49 123.3 98.0 147.0
51 39.3 30.1 45.1
86 64.2 50.7 76.1

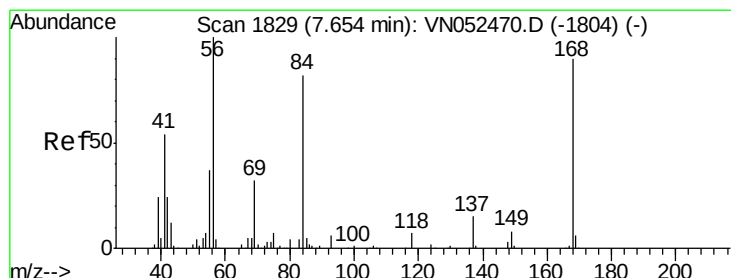
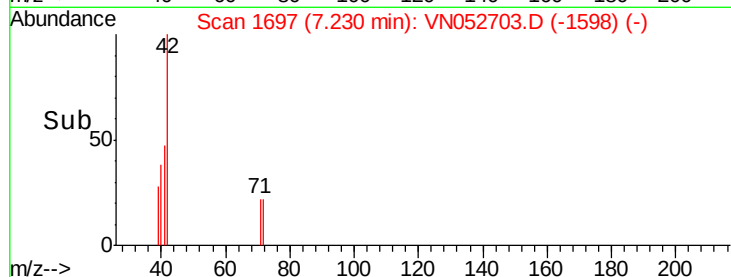
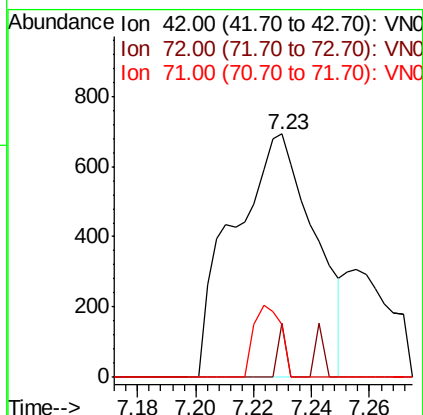
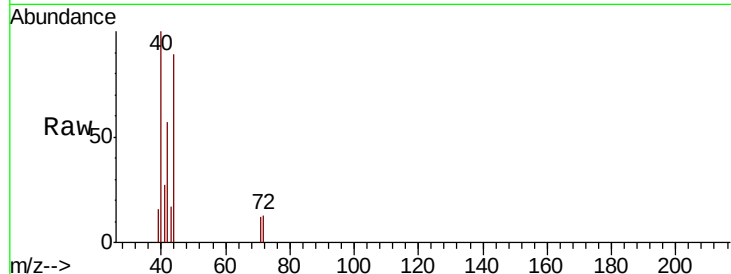




#29
Tetrahydrofuran
Concen: 0.464 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

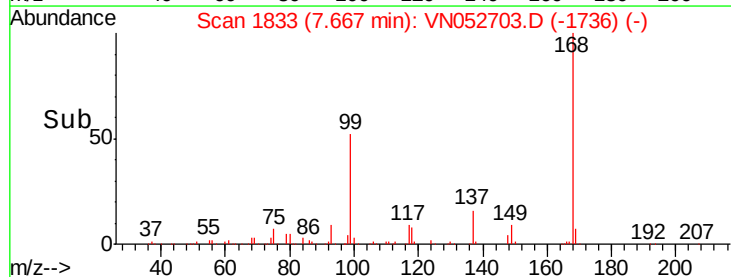
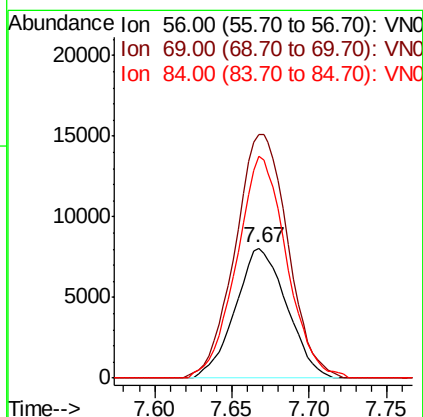
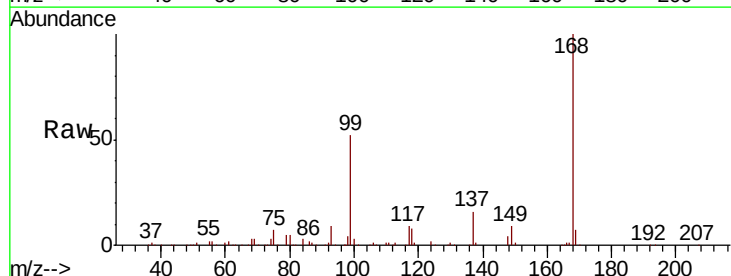
Instrument :
MSVOA_N
ClientSampled :

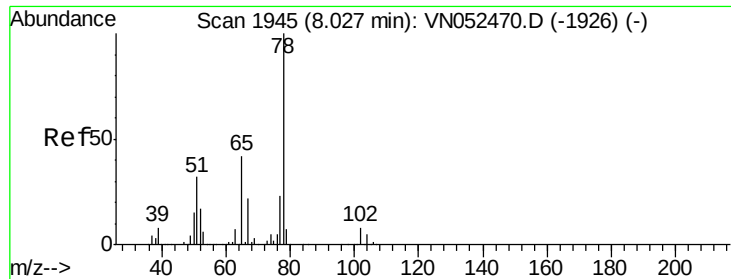
Tot Ion: 42 Resp: 1340
Ion Ratio Lower Upper
42 100
72 2.2 33.3 49.9#
71 10.0 32.0 48.0#



#31
Cyclohexane
Concen: 0.540 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

Tgt Ion: 56 Resp: 18578
Ion Ratio Lower Upper
56 100
69 184.9 25.8 38.6#
84 170.8 65.3 97.9#

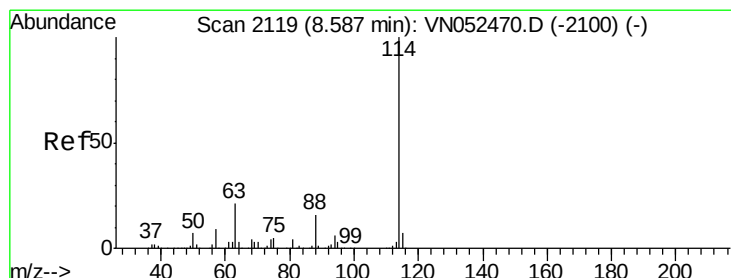
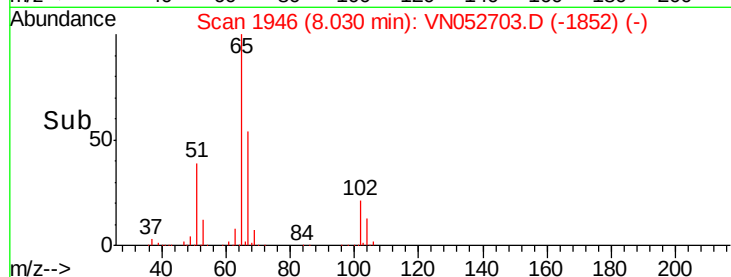
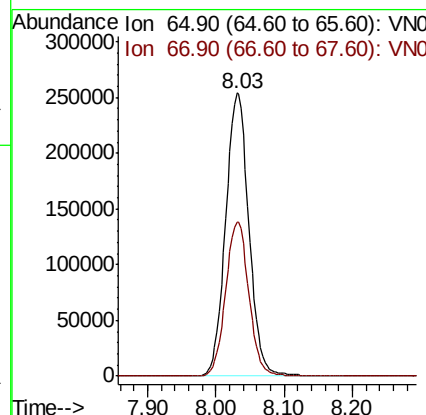
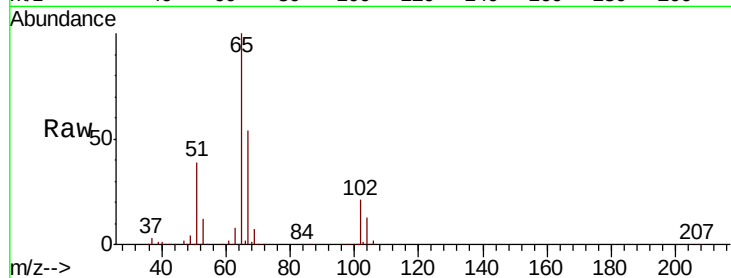




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

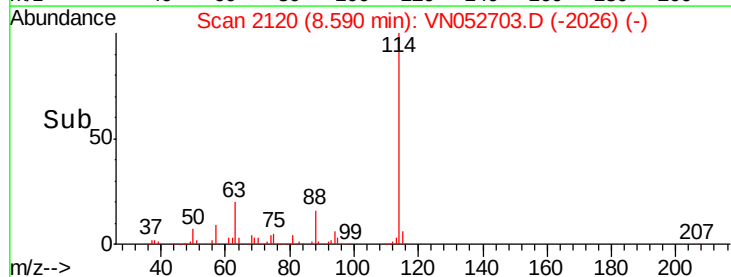
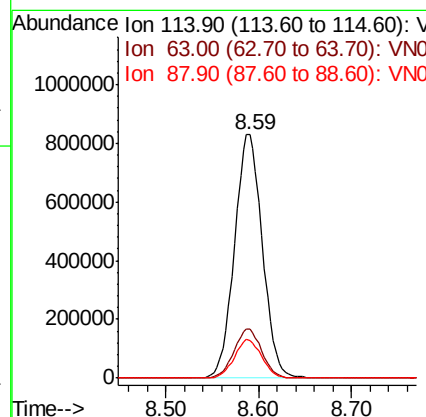
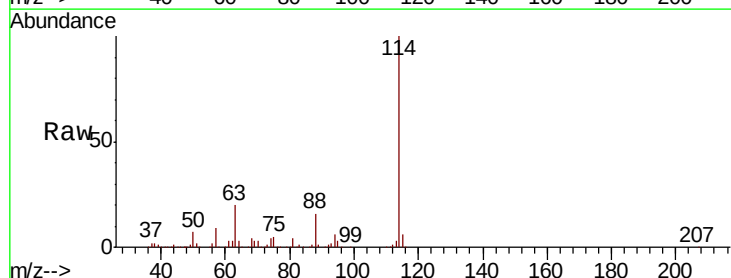
Instrument :
 MSVOA_N
 ClientSampled :

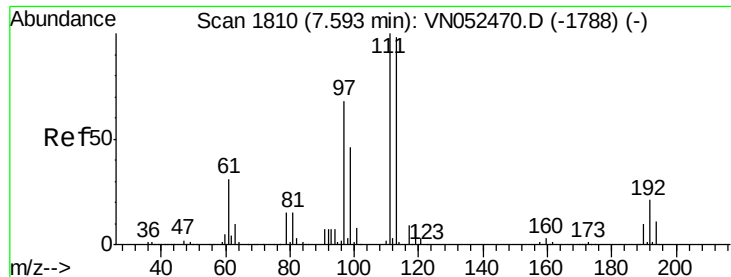
Tot Ion: 65 Resp: 602184
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

Tgt Ion: 114 Resp: 1724757
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6

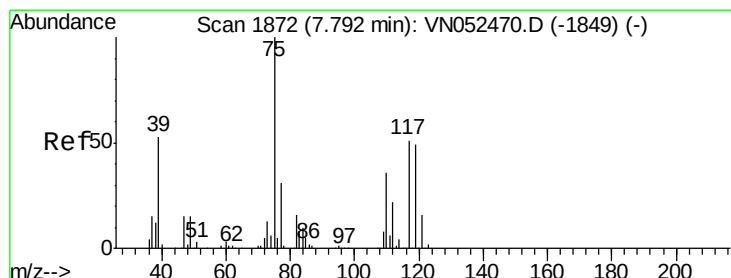
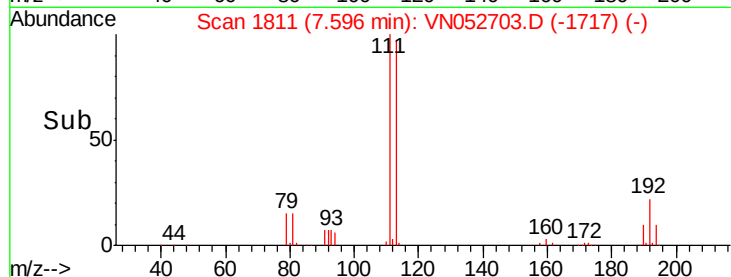
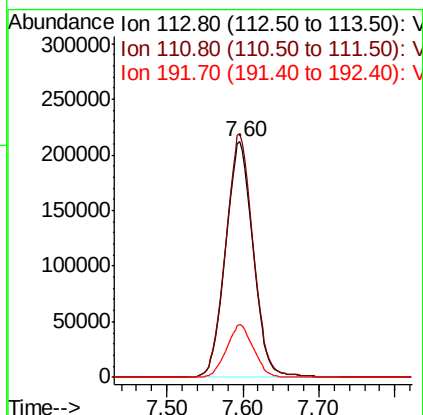
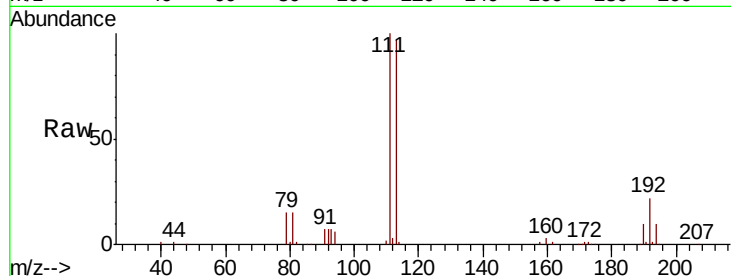




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

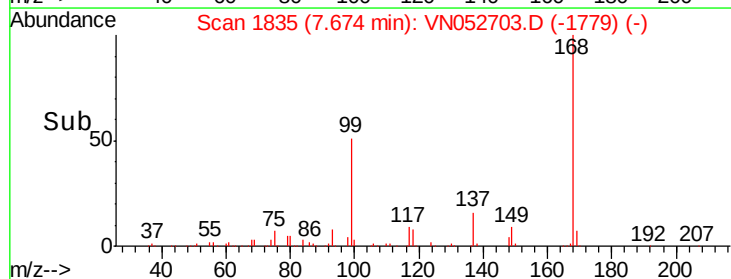
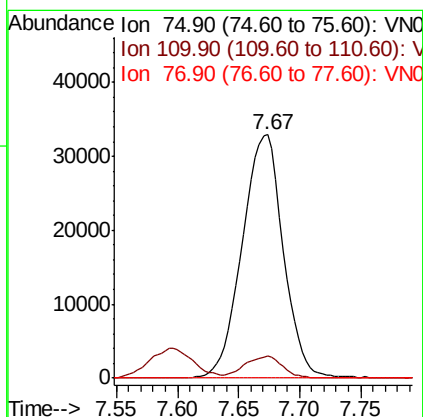
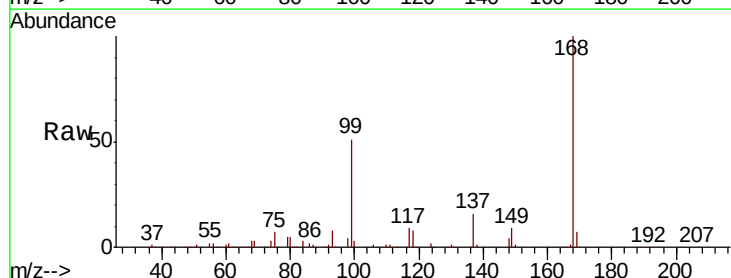
Instrument :
 MSVOA_N
 ClientSampled :

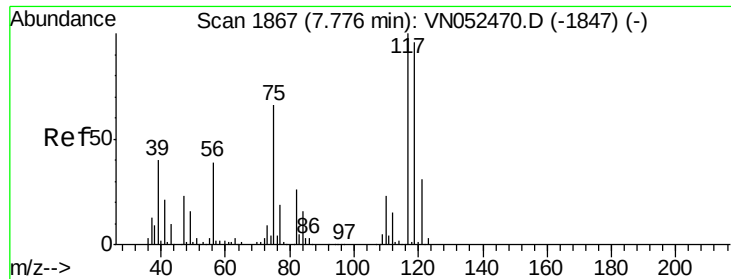
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	21.9	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.67 min Scan# 1835
 Delta R.T. -0.12 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.554 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

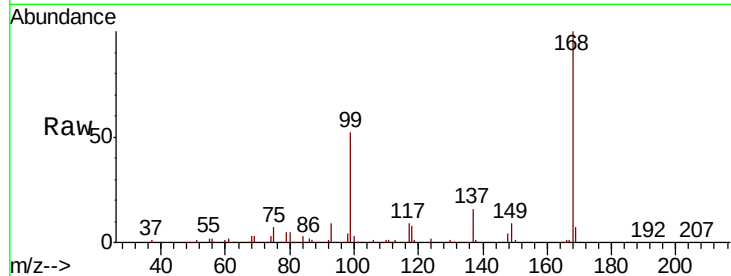
Tot Ion:117 Resp: 96642

Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

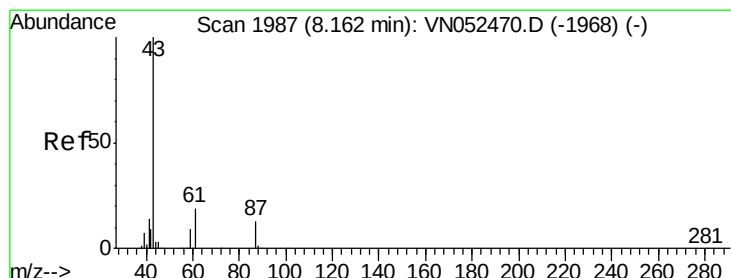
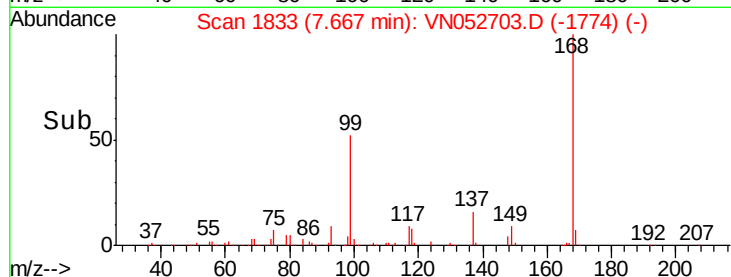
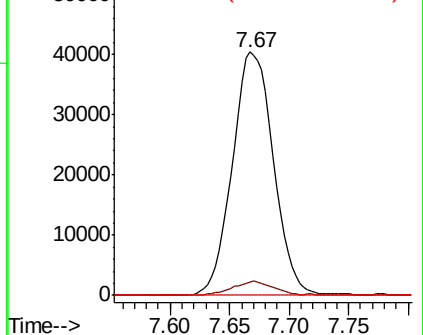
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.234 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

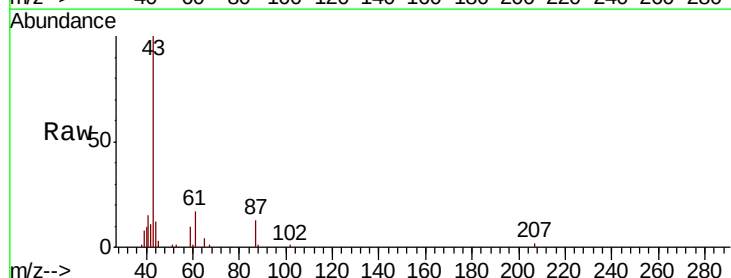
Tgt Ion: 43 Resp: 37574

Ion Ratio Lower Upper

43 100

61 18.8 24.1 36.1#

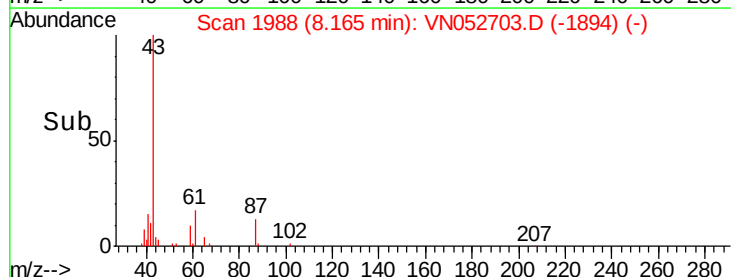
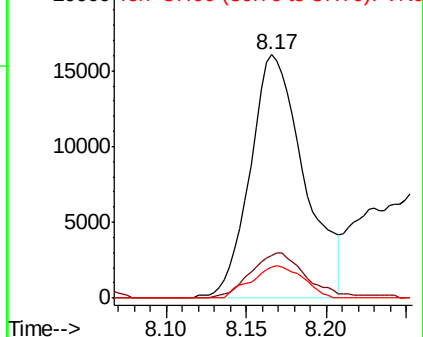
87 12.6 10.6 15.8

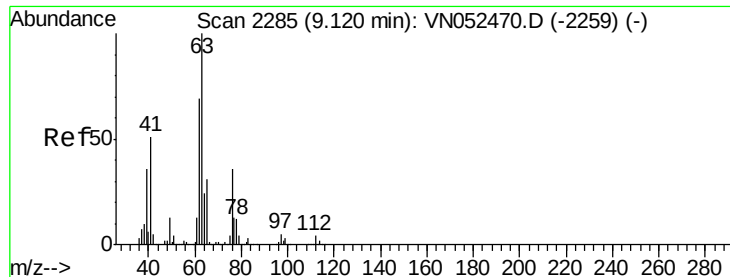


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

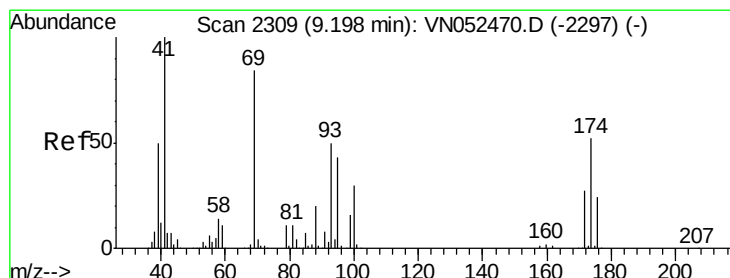
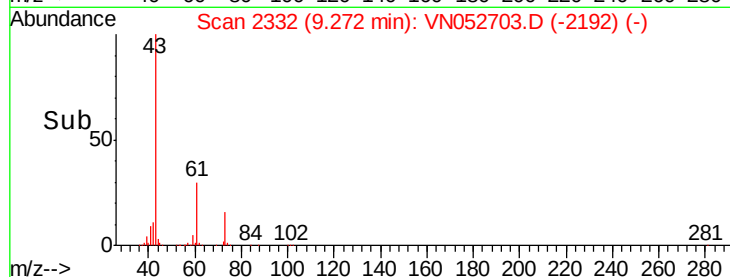
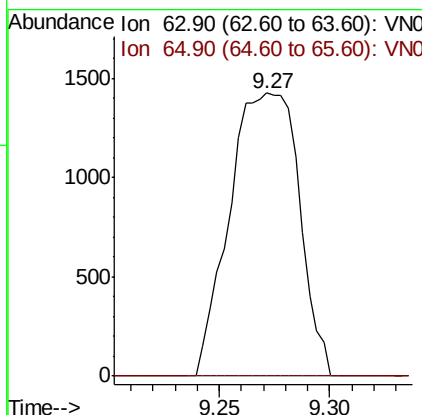
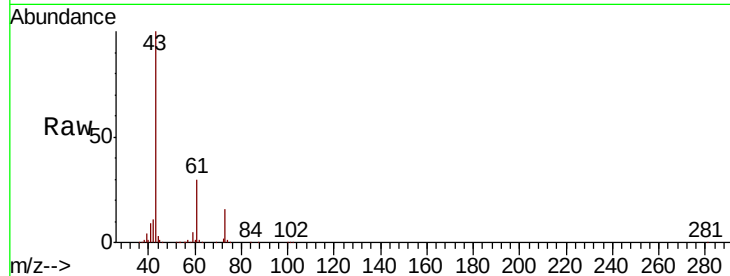




#45
 1,2-Dichloropropane
 Concen: 0.241 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

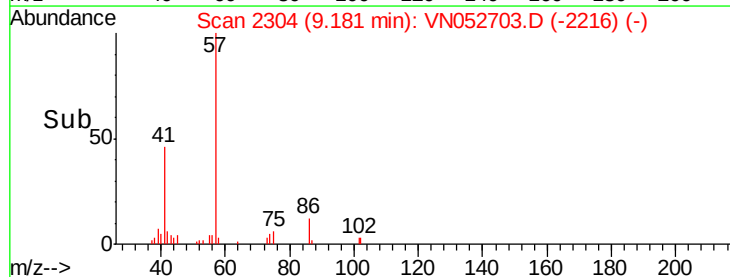
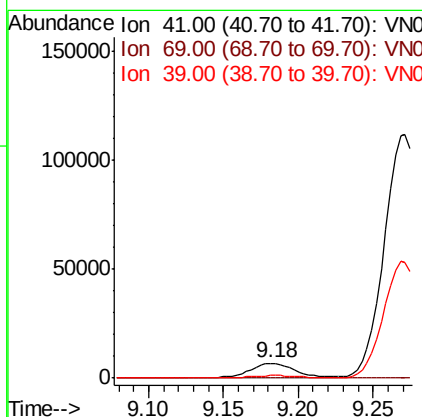
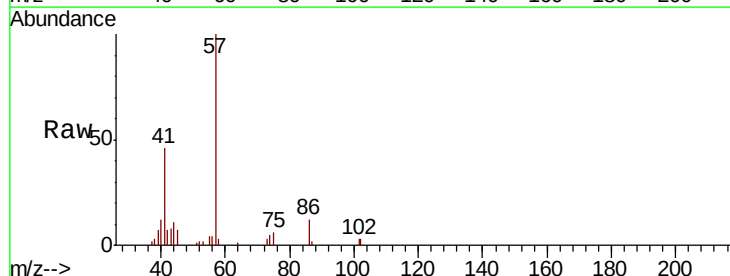
Instrument :
 MSVOA_N
 ClientSampleId :

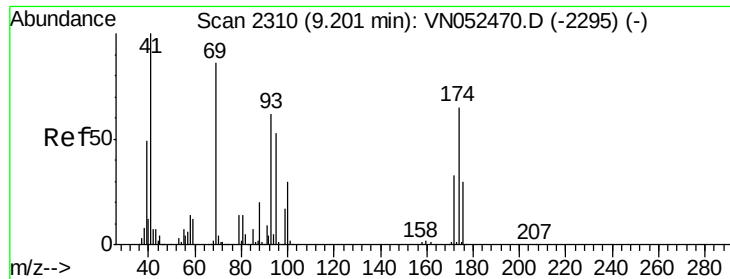
Tot Ion: 63 Resp: 3108
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.680 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052703.D
 Acq: 6 Dec 2018 17:00

Tgt Ion: 41 Resp: 14732
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.0 105.0#
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 2.032 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

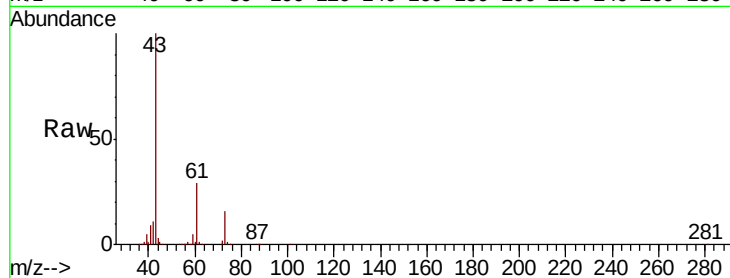
Tot Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 1217916.8 26.4 39.6#

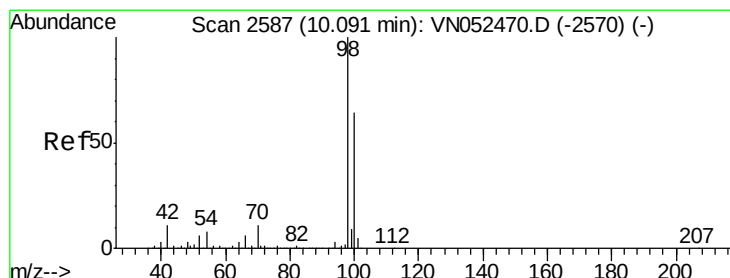
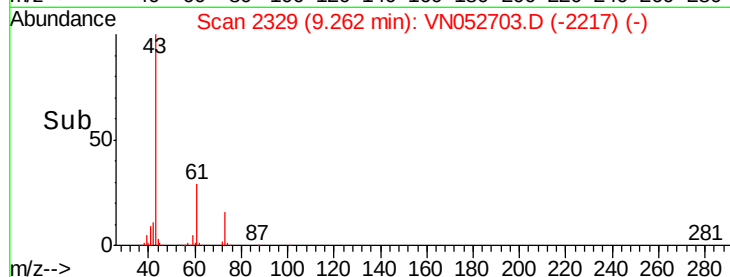
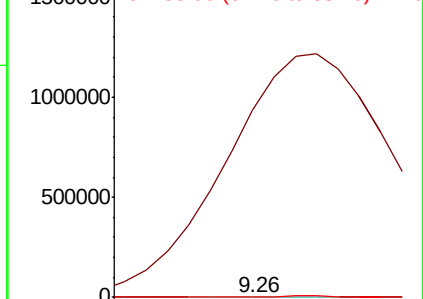
58 5927.6 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 2.032 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052703.D

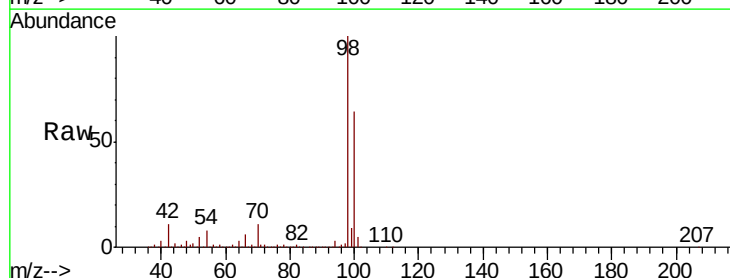
Acq: 6 Dec 2018 17:00

Tgt Ion: 98 Resp: 2121486

Ion Ratio Lower Upper

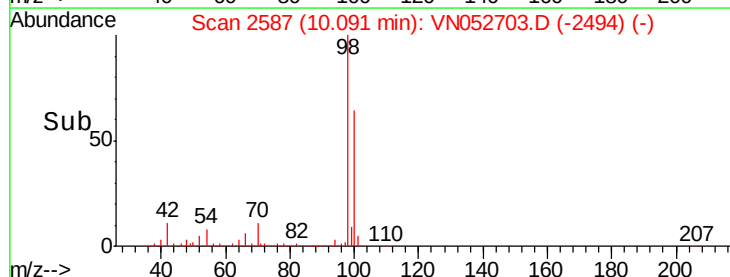
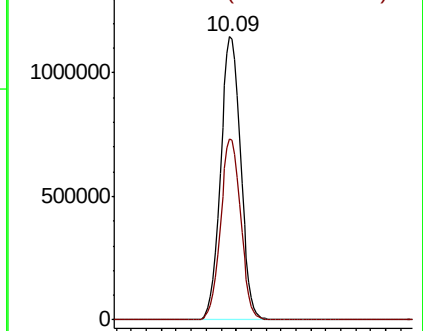
98 100

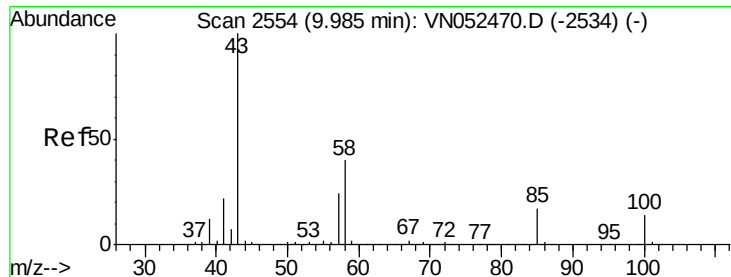
100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.368 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

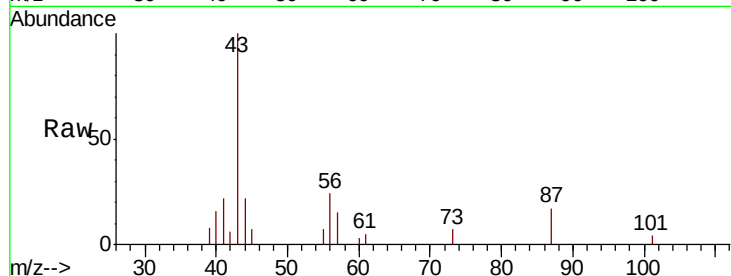
ClientSampled :

Tot Ion: 43 Resp: 12912

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

6000

4000

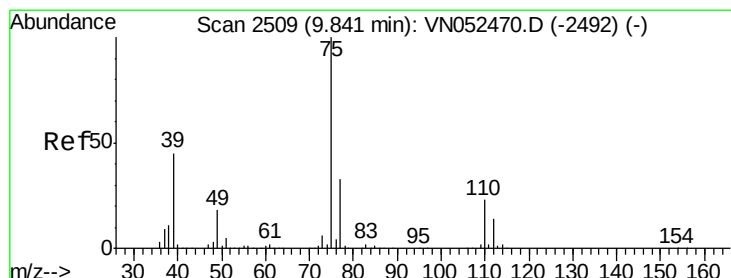
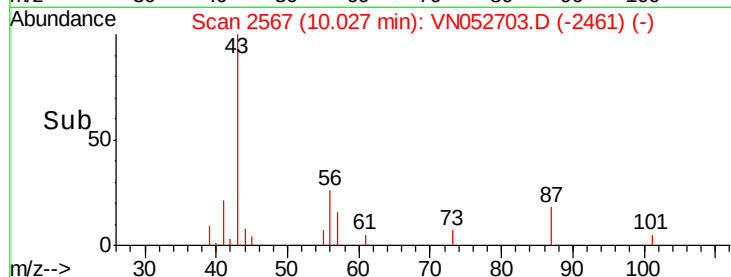
2000

0

Time-->

10.00

10.05



#54

cis-1,3-Dichloropropene

Concen: 5.463 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

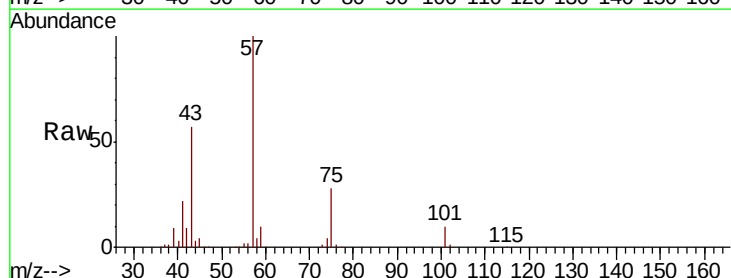
Tgt Ion: 75 Resp: 97821

Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 33.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

60000

40000

20000

0

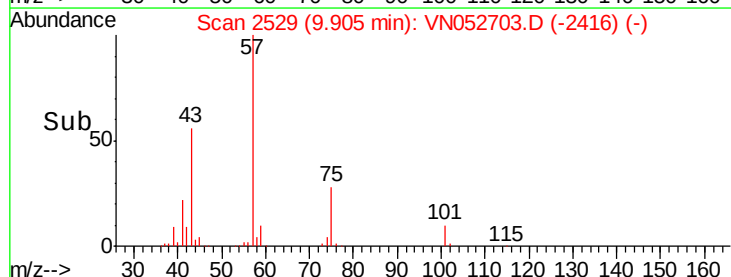
Time-->

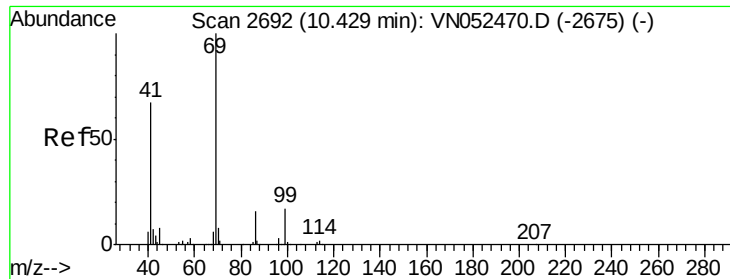
9.85

9.90

9.95

10.00





#56

Ethyl methacrylate

Concen: 2.771 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

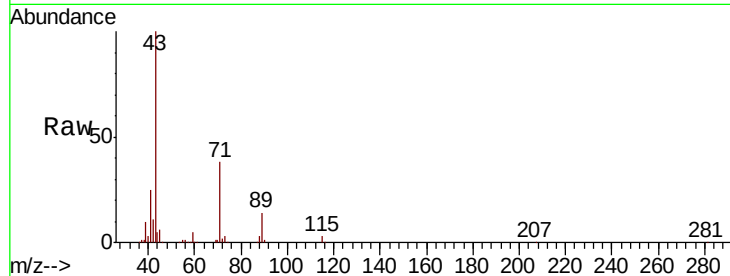
Tot Ion: 69 Resp: 1162

Ion Ratio Lower Upper

69 100

41 6276.8 52.6 79.0#

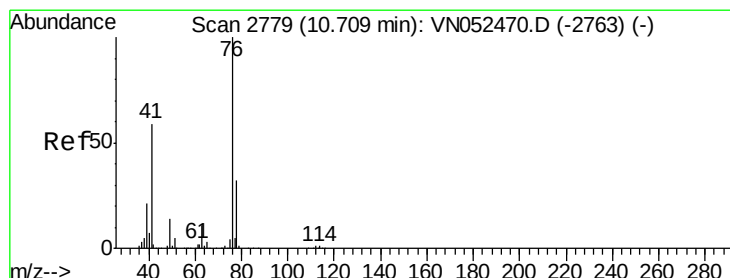
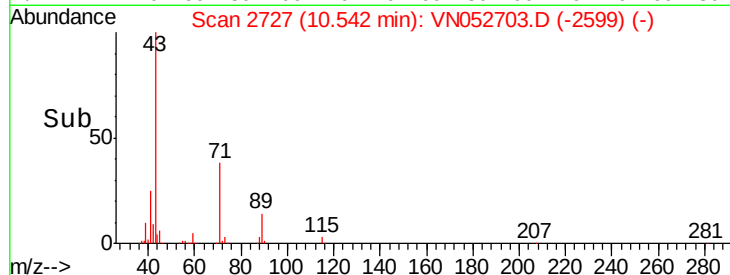
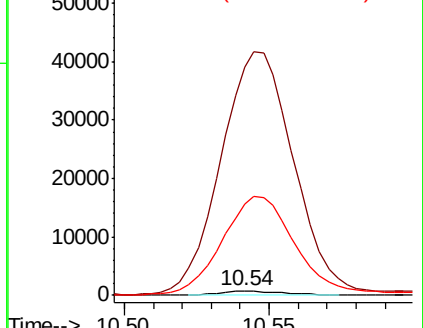
39 2606.1 25.9 38.9#



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



#57

1,3-Dichloropropane

Concen: 1.116 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052703.D

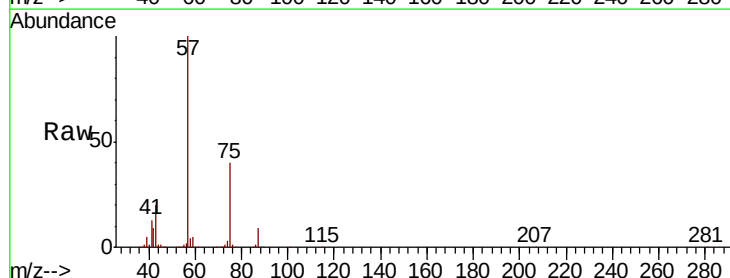
Acq: 6 Dec 2018 17:00

Tgt Ion: 76 Resp: 19981

Ion Ratio Lower Upper

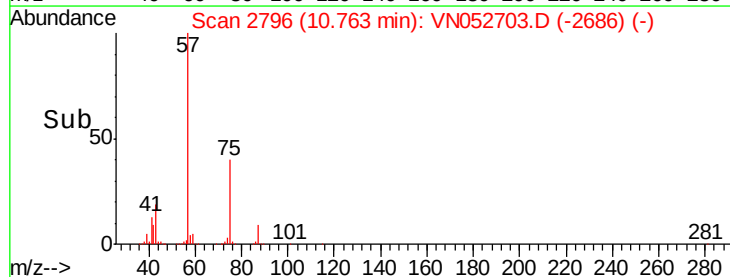
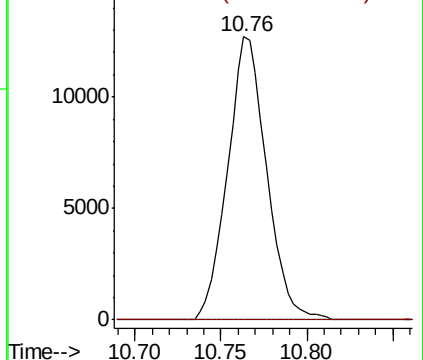
76 100

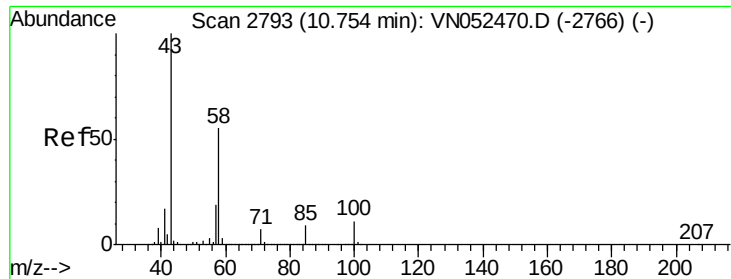
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

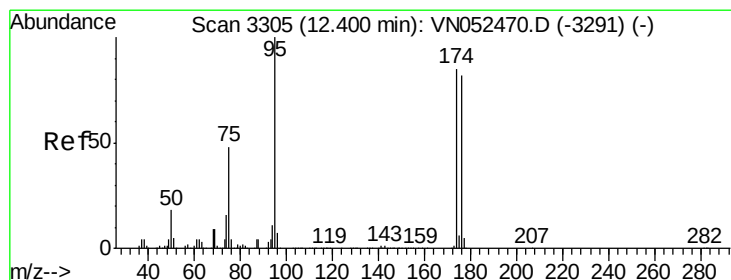
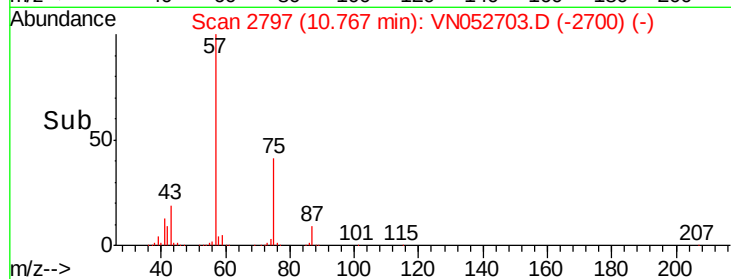
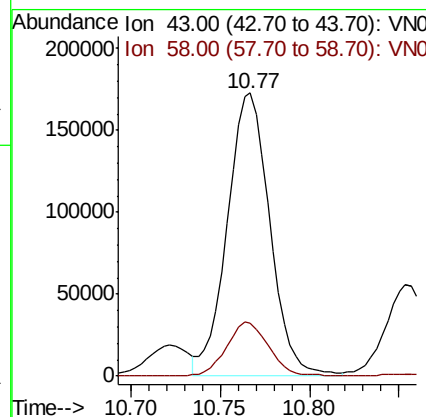
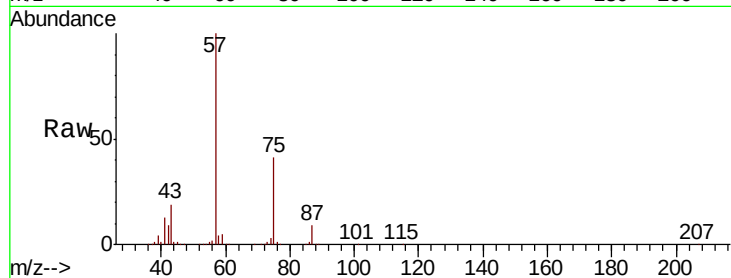




#59
2-Hexanone
Concen: 44.979 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

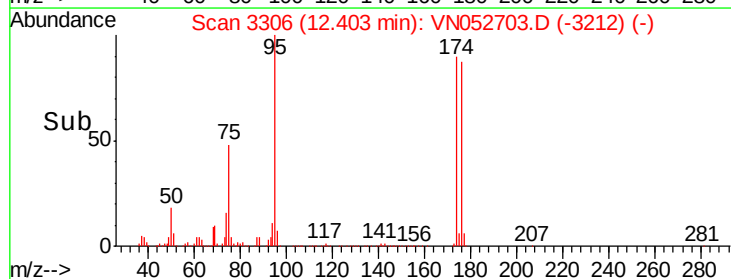
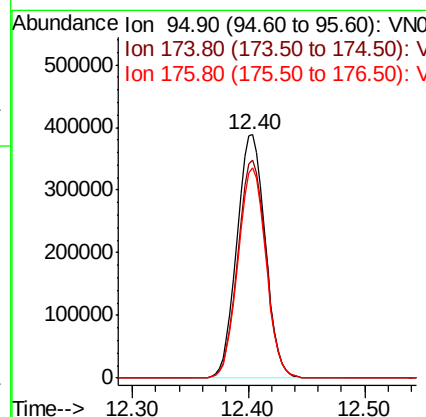
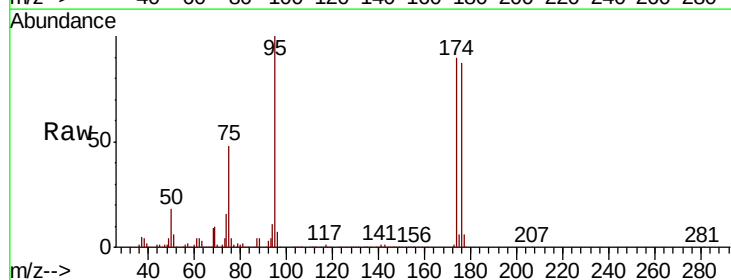
Instrument :
MSVOA_N
ClientSampled :

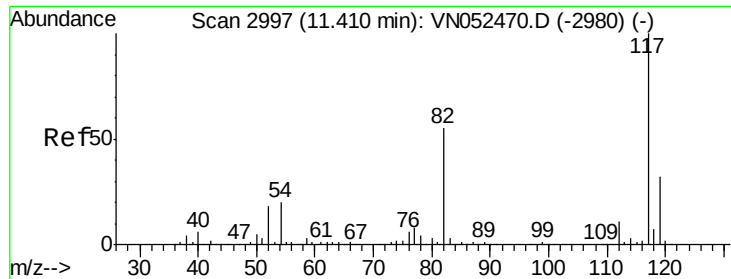
Tot Ion: 43 Resp: 284916
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

Tgt Ion: 95 Resp: 655188
Ion Ratio Lower Upper
95 100
174 89.1 0.0 173.0
176 85.3 0.0 166.2

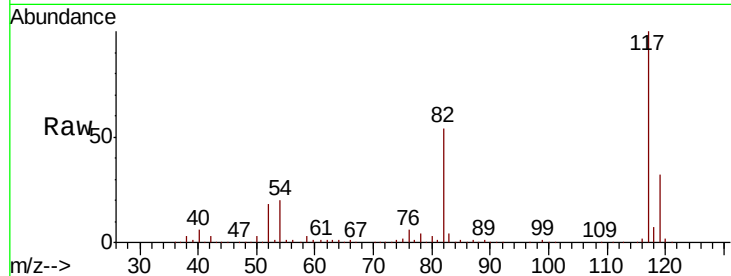




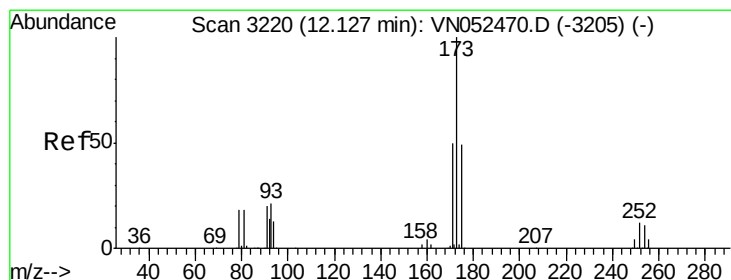
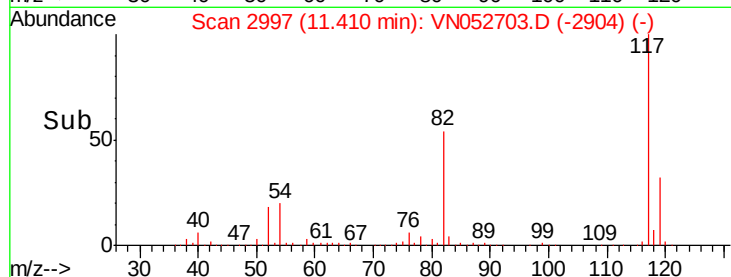
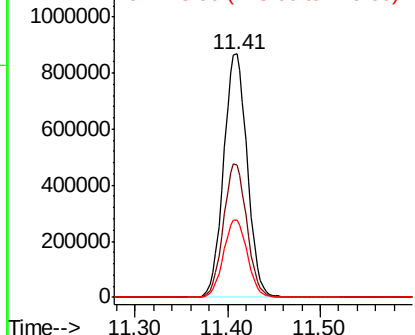
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1527464
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 31.9 25.4 38.2

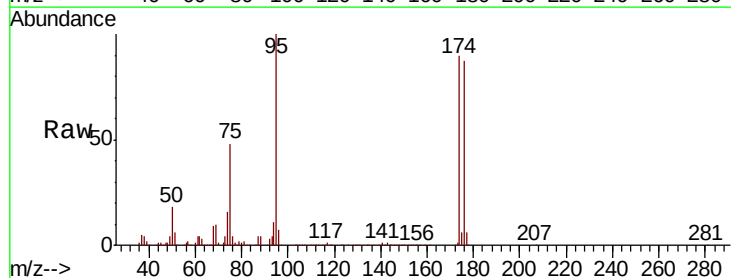


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

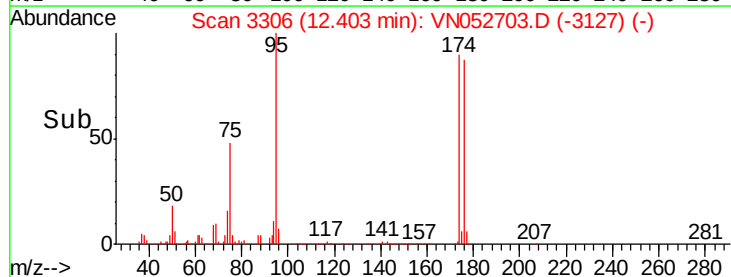
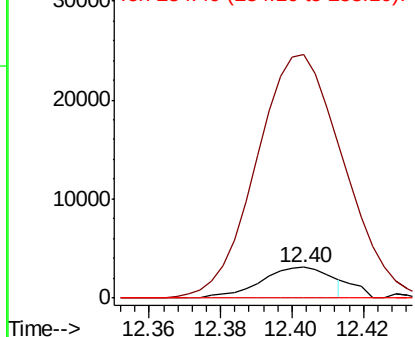


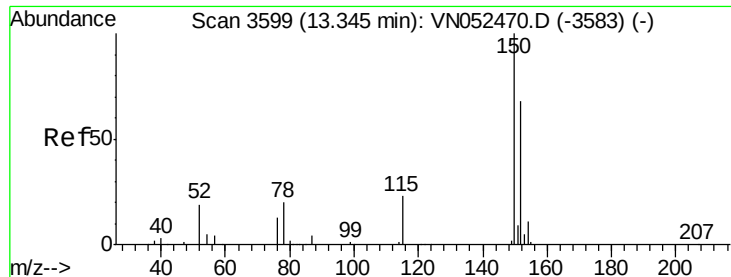
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052703.D
Acq: 6 Dec 2018 17:00

Tgt Ion:173 Resp: 4222
Ion Ratio Lower Upper
173 100
175 840.7 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

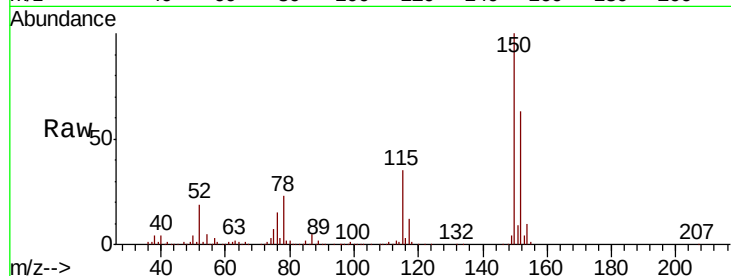
Tot Ion:152 Resp: 574493

Ion Ratio Lower Upper

152 100

115 56.0 28.4 85.2

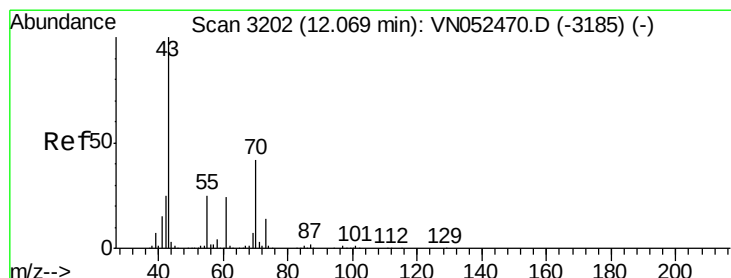
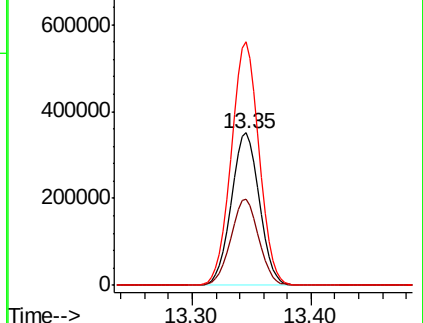
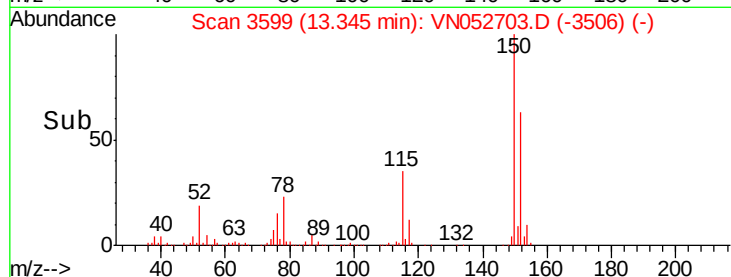
150 157.4 0.0 346.0



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



#74

N-ethyl acetate

Concen: 2.607 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Tgt Ion: 43 Resp: 29682

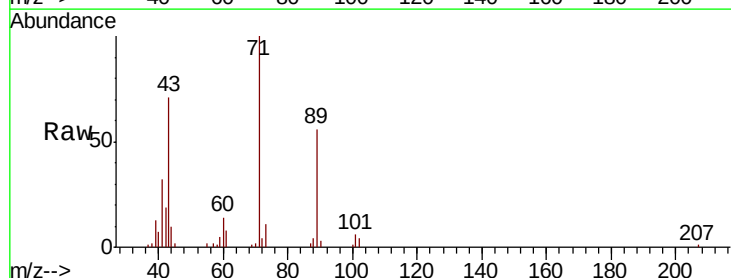
Ion Ratio Lower Upper

43 100

70 2.4 33.8 50.8#

55 3.9 20.0 30.0#

61 11.1 19.7 29.5#

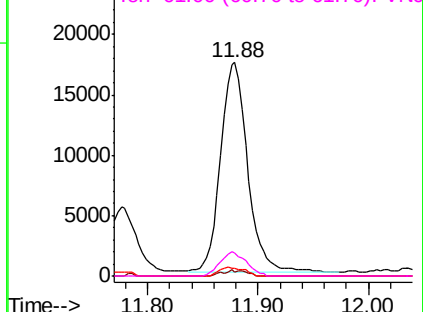
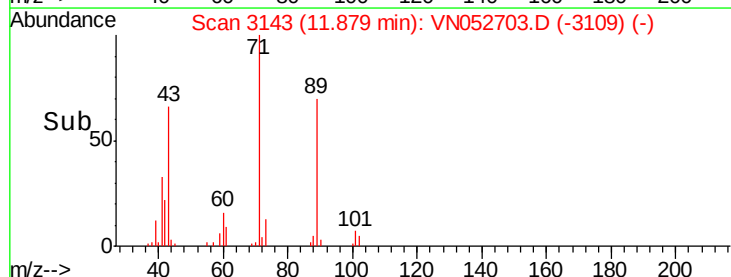


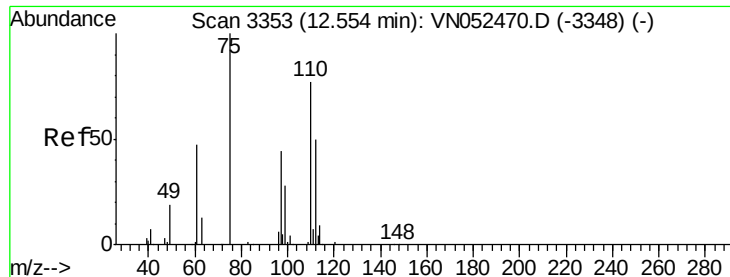
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.618 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

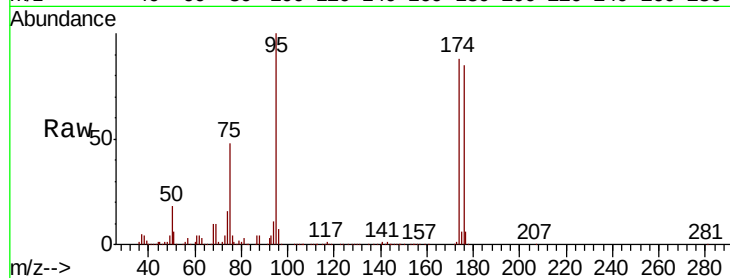
ClientSampled :

Tot Ion: 75 Resp: 31539

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052703.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN052703.D (-3305) (-)

12.40

200000

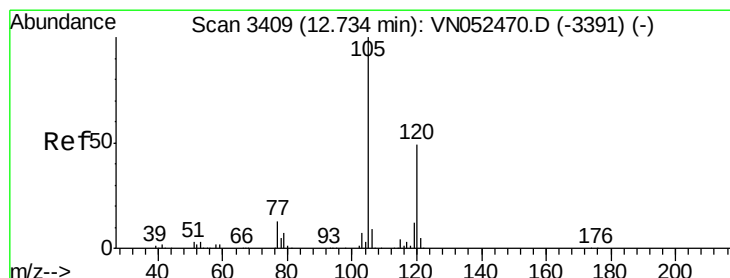
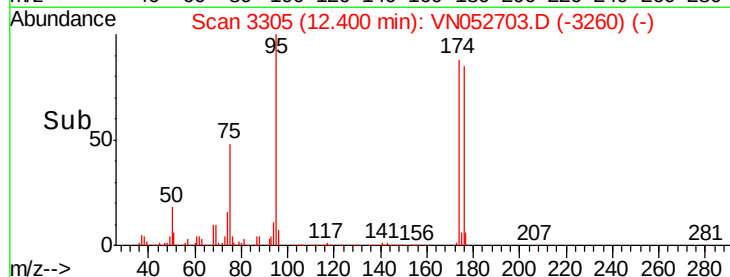
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.212 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052703.D

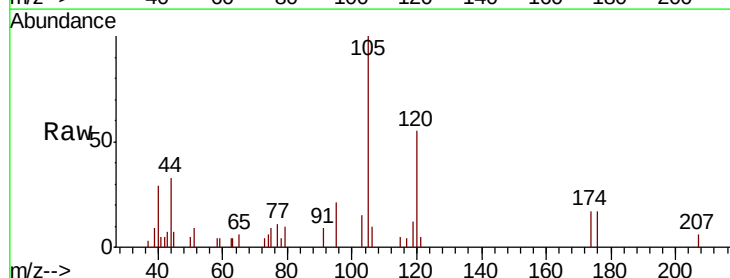
Acq: 6 Dec 2018 17:00

Tgt Ion: 105 Resp: 7634

Ion Ratio Lower Upper

105 100

120 51.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052703.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052703.D (-3316) (-)

12.73

5000

4000

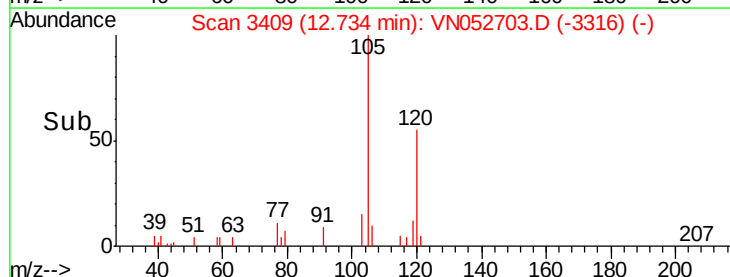
3000

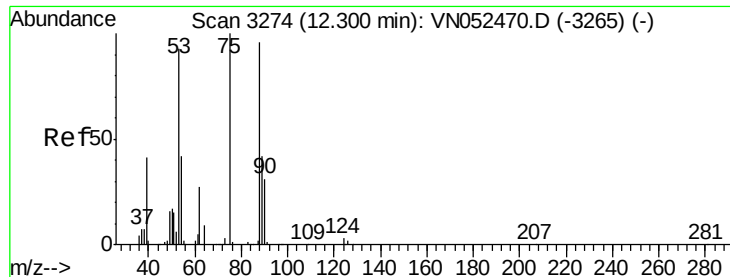
2000

1000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 118.947 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

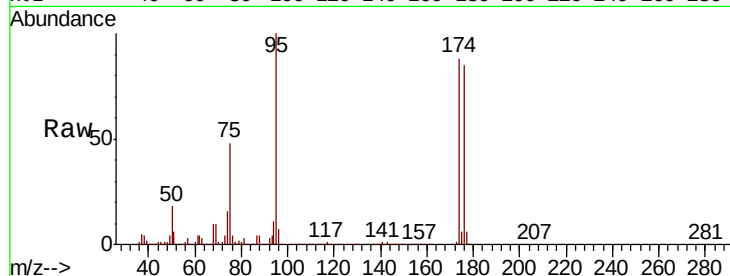
Tot Ion: 75 Resp: 315539

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

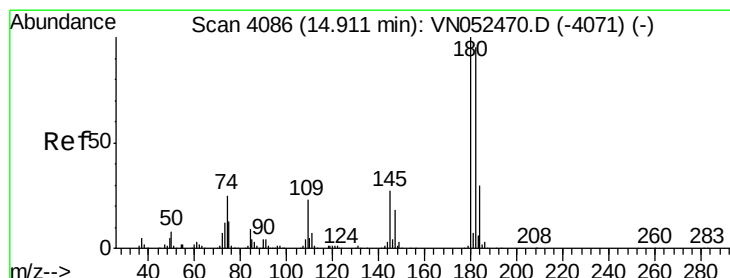
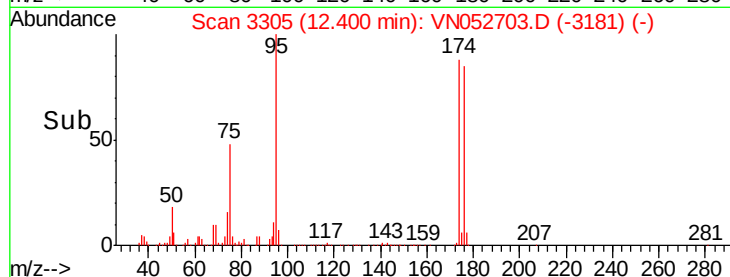
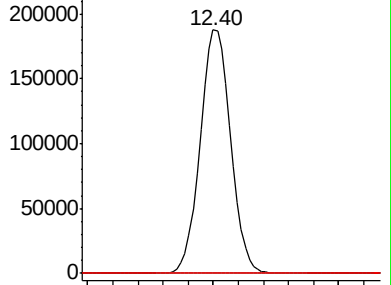
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.839 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

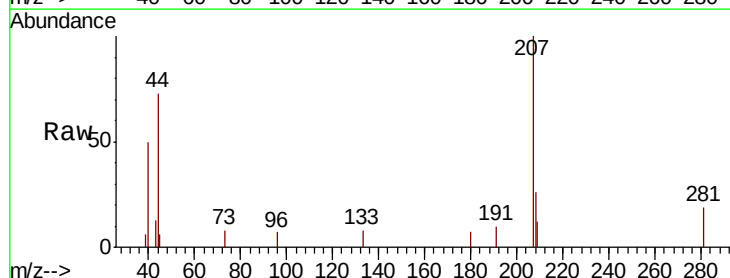
Tgt Ion: 180 Resp: 102

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

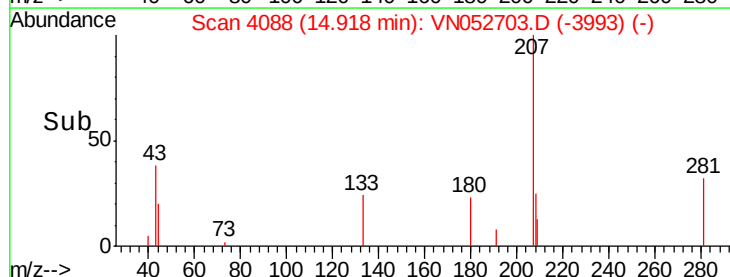
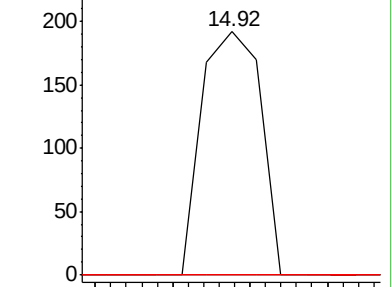
145 0.0 14.1 42.3#

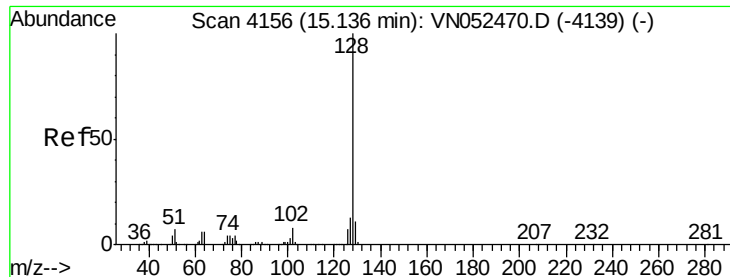


Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)





#95

Naphthalene

Concen: 3.803 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

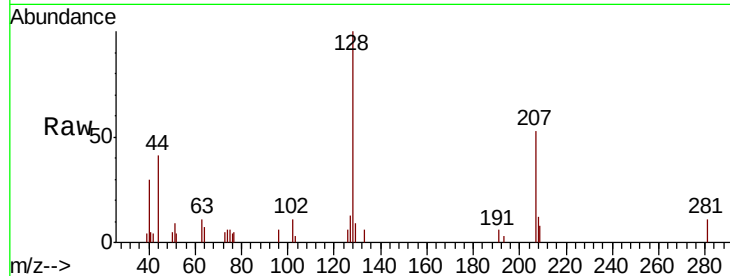
Tot Ion:128 Resp: 8703

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

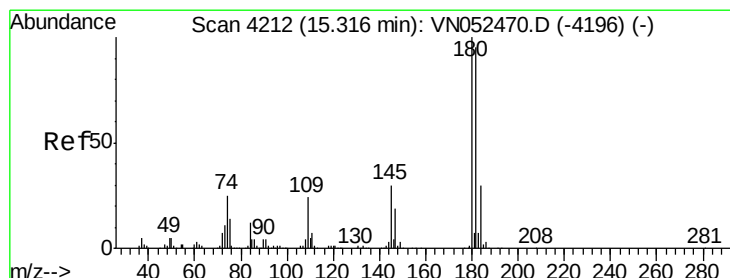
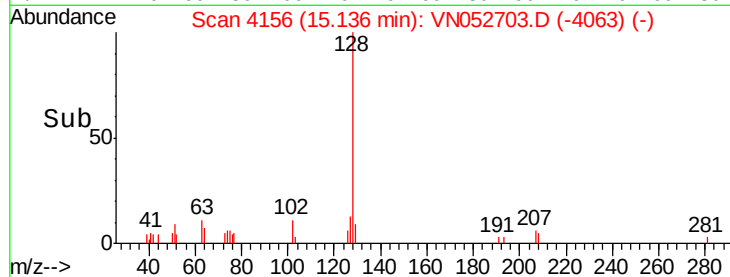
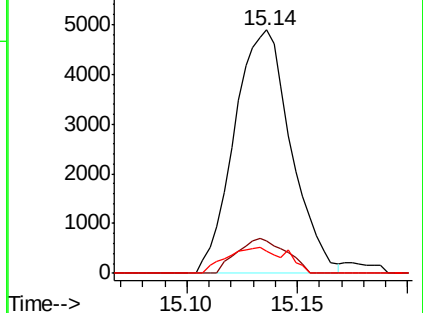
129 11.1 8.7 13.1



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: 2.733 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN052703.D

Acq: 6 Dec 2018 17:00

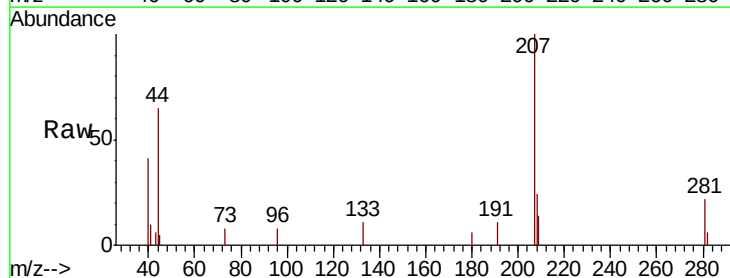
Tgt Ion:180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.2 45.5#



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

