

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053611.D
 Acq On : 5 Feb 2019 11:14
 Operator : JC/SP
 Sample : VN0205WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBL01

Quant Time: Feb 06 03:30:05 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	7.66	168	678341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1151416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1033904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	368439	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	7.59	113	362892	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.09	98	1387836	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	452417	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

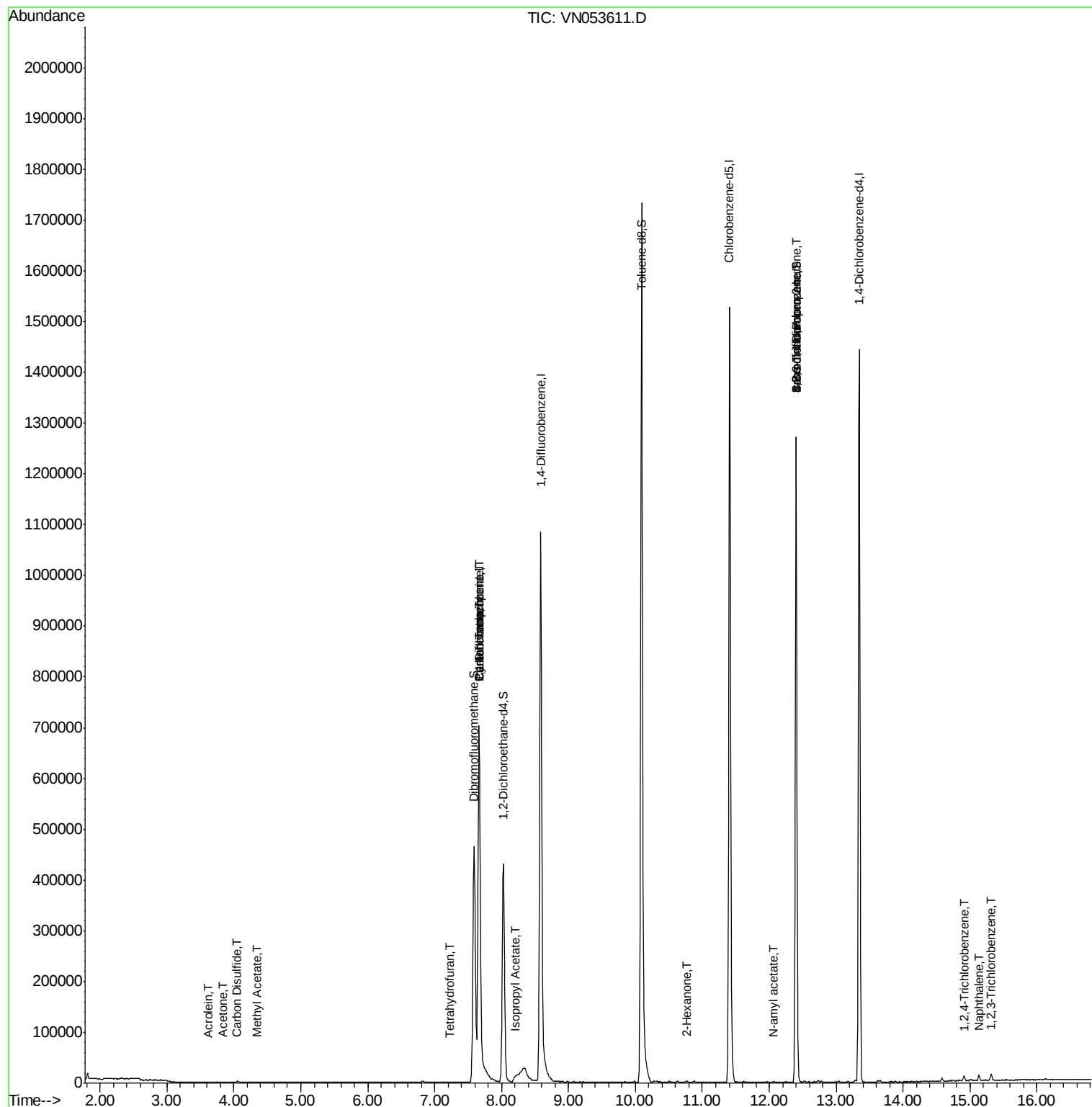
						Qvalue
13) Acrolein	3.62	56	62	0.283	ug/l #	14
16) Acetone	3.83	43	1639	0.939	ug/l #	41
17) Carbon Disulfide	4.05	76	4421	0.226	ug/l #	75
18) Methyl Acetate	4.33	43	2330	0.451	ug/l #	70
29) Tetrahydrofuran	7.22	42	420	0.263	ug/l #	33
31) Cyclohexane	7.67	56	10958	0.785	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42607	4.105	ug/l #	48
38) Carbon Tetrachloride	7.66	117	57573	5.506	ug/l #	17
43) Isopropyl Acetate	8.21	43	9107	0.813	ug/l #	51
59) 2-Hexanone	10.76	43	2044	0.547	ug/l	87
71) Bromoform	12.40	173	2581	0.491	ug/l #	1
74) N-amyl acetate	12.07	43	1652	0.235	ug/l #	62
76) 1,2,3-Trichloropropane	12.40	75	207827	38.827	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207827	109.178	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	3633	0.466	ug/l	93
95) Naphthalene	15.14	128	10526	2.291	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4974	0.688	ug/l	90

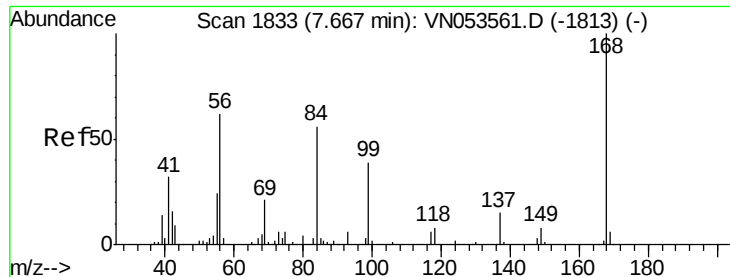
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 06 03:30:05 2019
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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

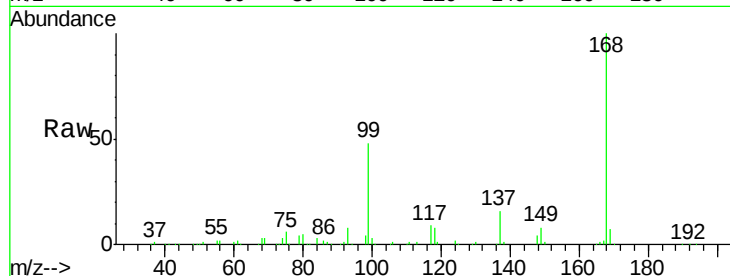
VN0205WBL01

Tot Ion:168 Resp: 678341

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

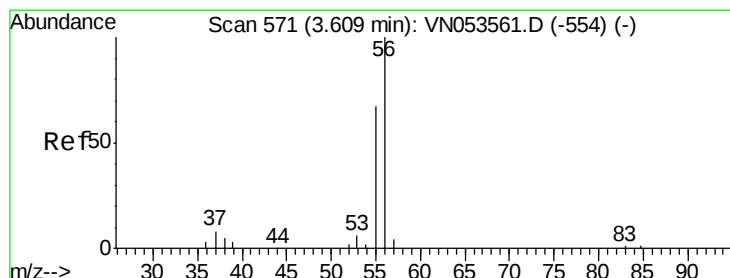
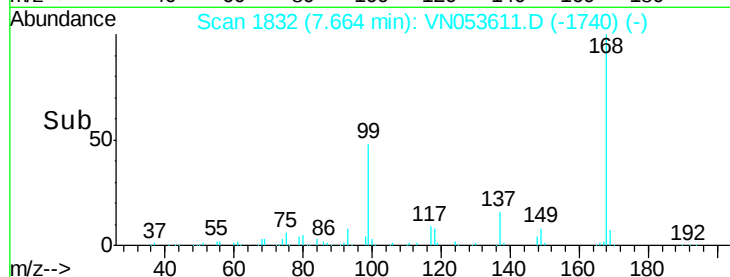
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.283 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN053611.D

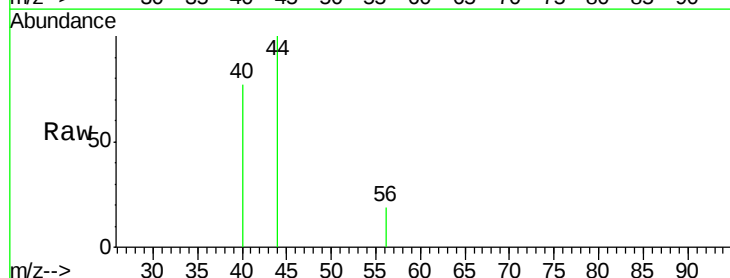
Acq: 5 Feb 2019 11:14

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

200

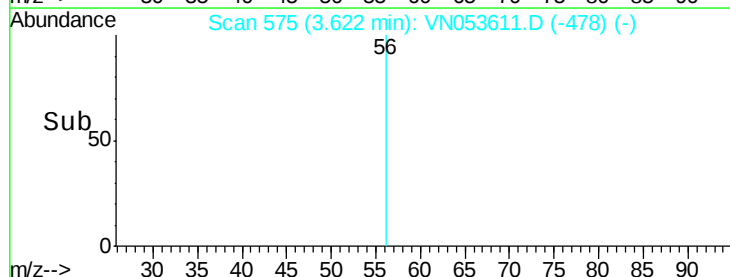
150

100

50

0

Time-->





#16

Acetone

Concen: 0.939 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

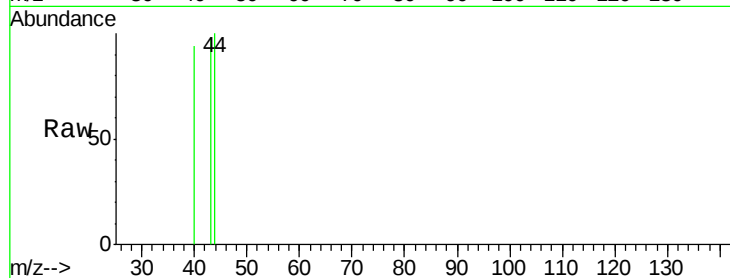
VN0205WBL01

Tot Ion: 43 Resp: 1639

Ion Ratio Lower Upper

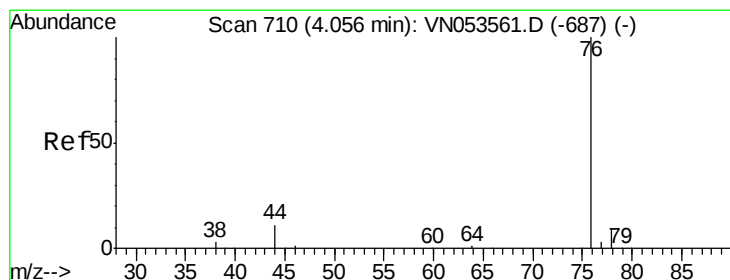
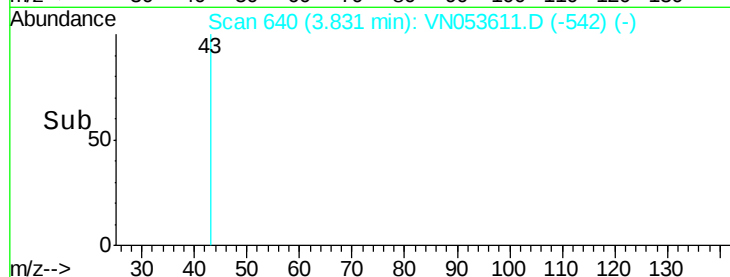
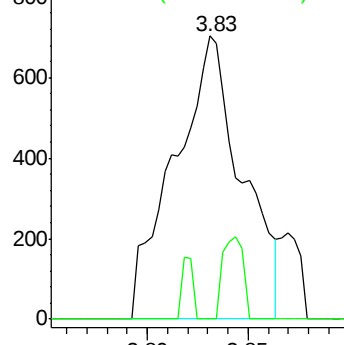
43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053611.D

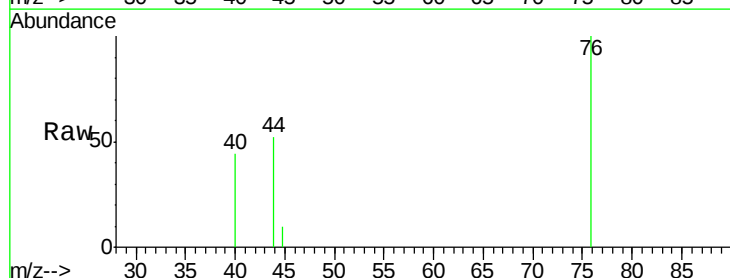
Acq: 5 Feb 2019 11:14

Tgt Ion: 76 Resp: 4421

Ion Ratio Lower Upper

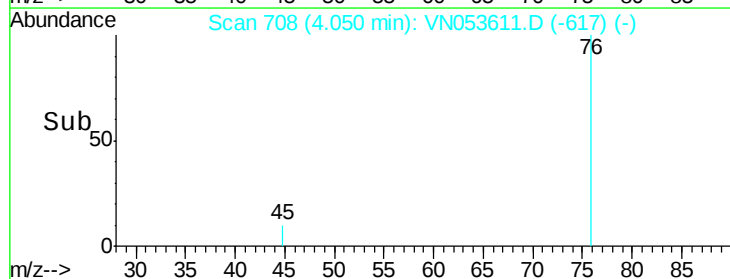
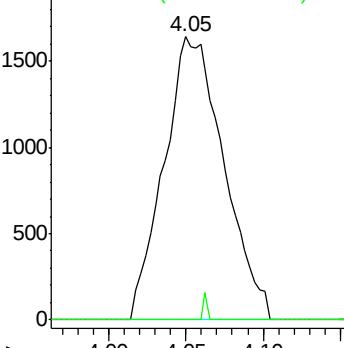
76 100

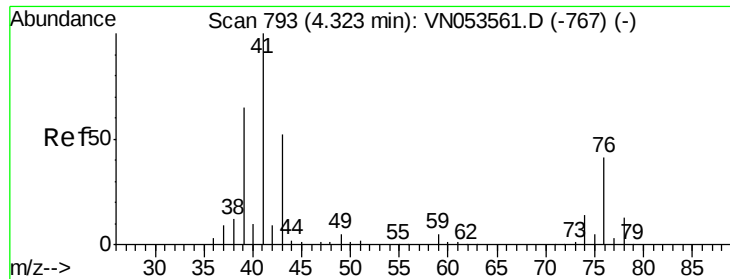
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

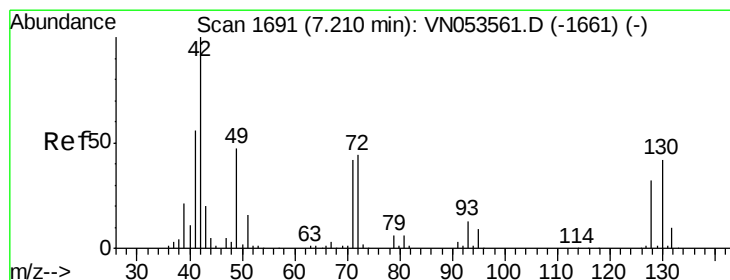
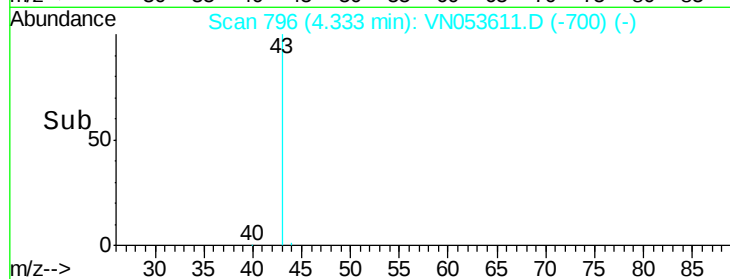
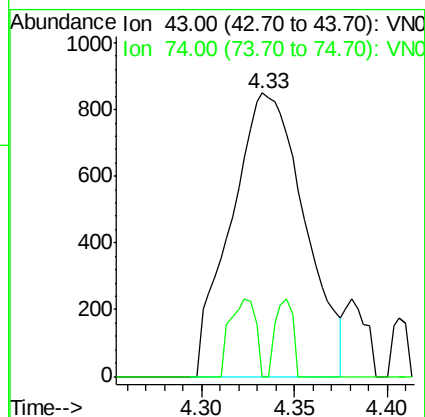
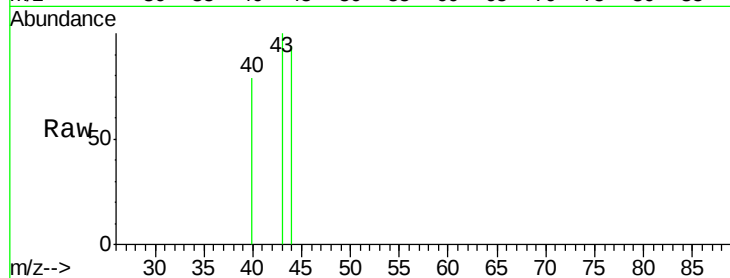




#18
Methyl Acetate
Concen: 0.451 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

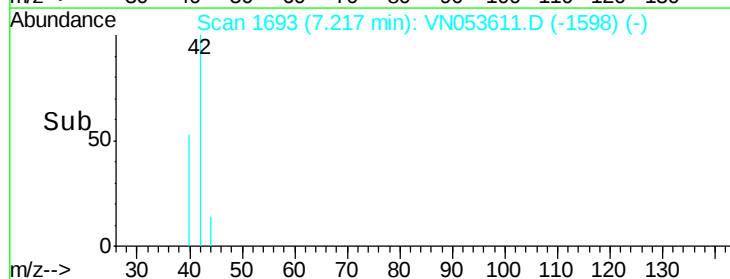
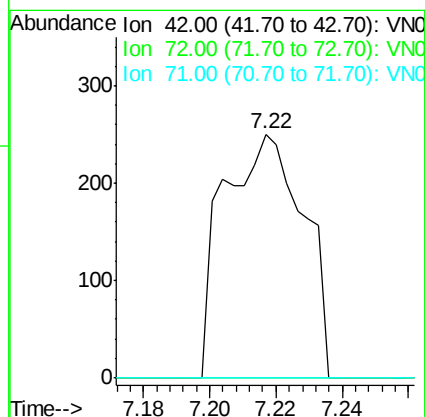
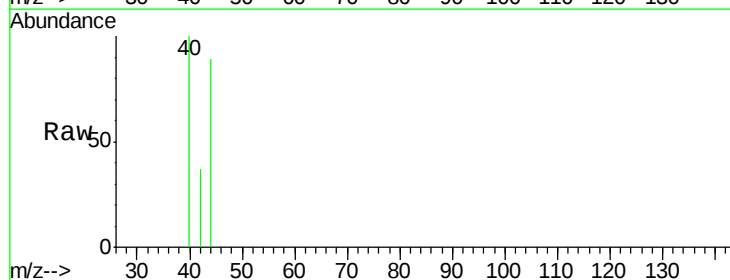
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBL01

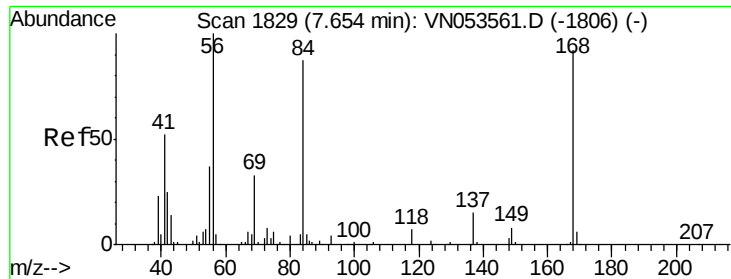
Tot Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 9.5 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

Tgt Ion: 42 Resp: 420
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 33.0 49.4#

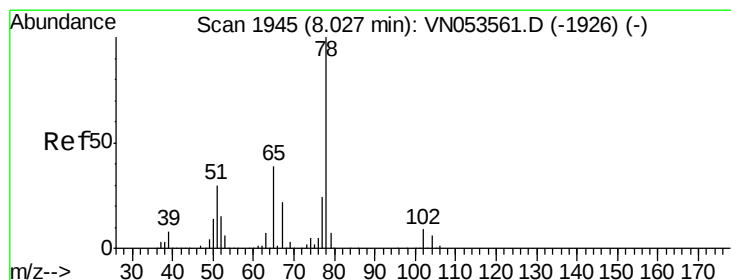
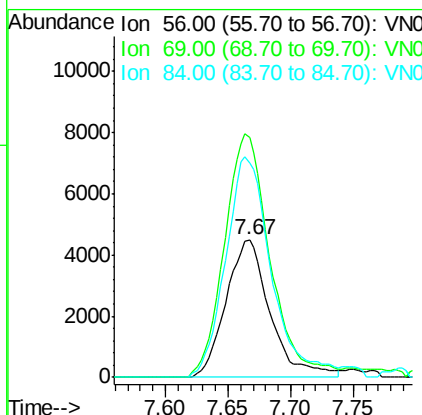
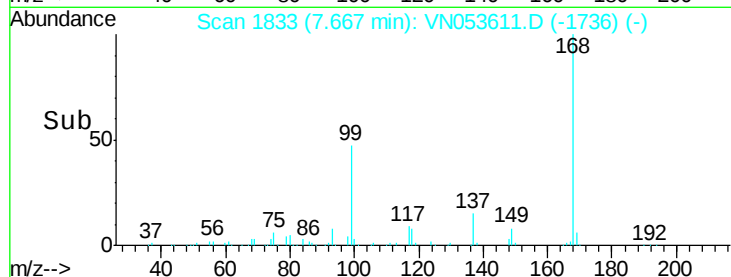
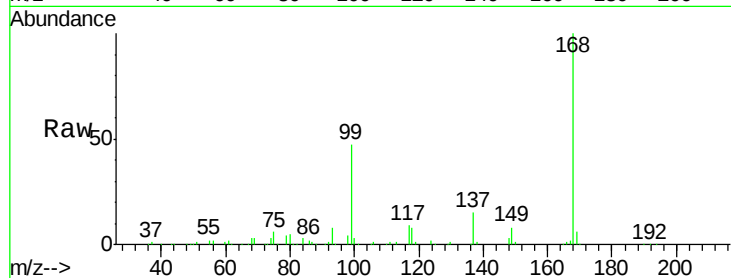




#31
Cyclohexane
Concen: 0.785 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

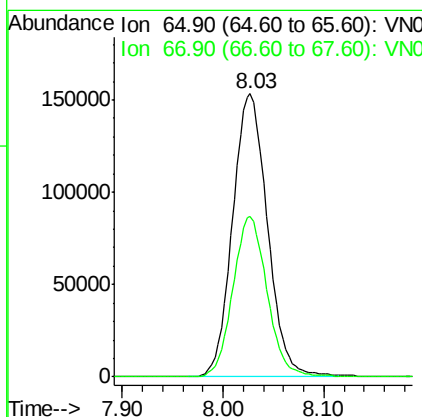
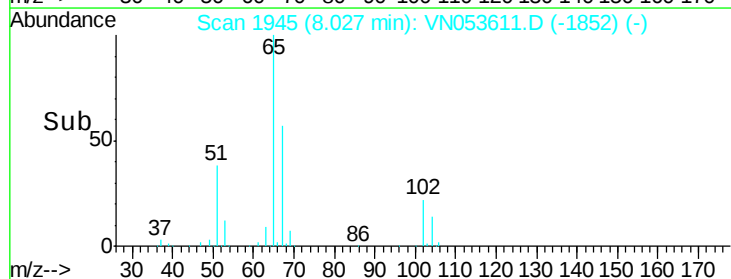
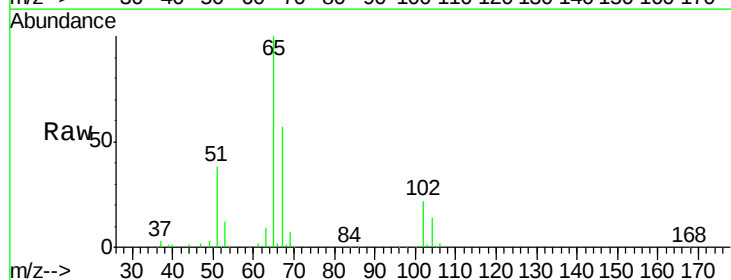
Instrument :
MSVOA_N
ClientSampled :
VN0205WBL01

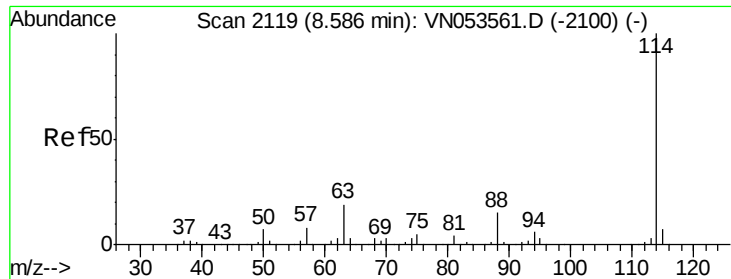
Tot Ion: 56 Resp: 10958
Ion Ratio Lower Upper
56 100
69 174.2 26.4 39.6#
84 156.1 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

Tgt Ion: 65 Resp: 368439
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBL01

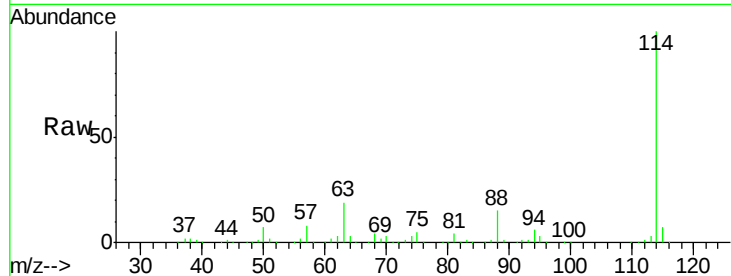
Tot Ion:114 Resp: 1151416

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

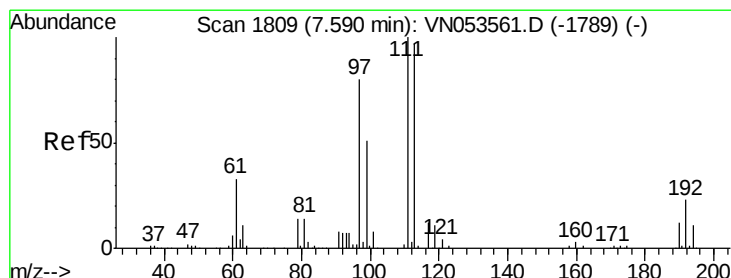
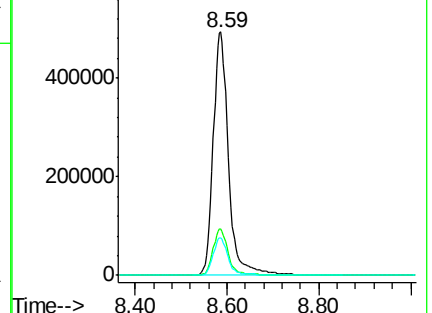
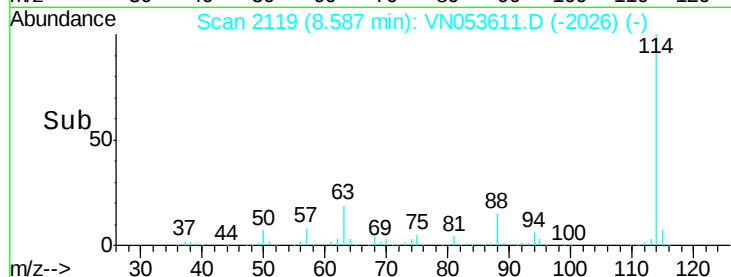
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

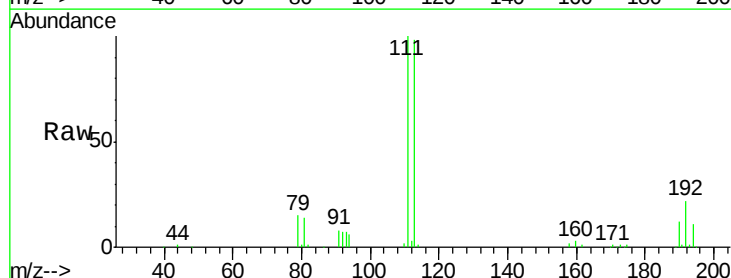
Tgt Ion:113 Resp: 362892

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

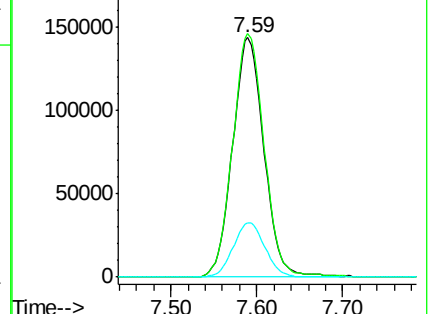
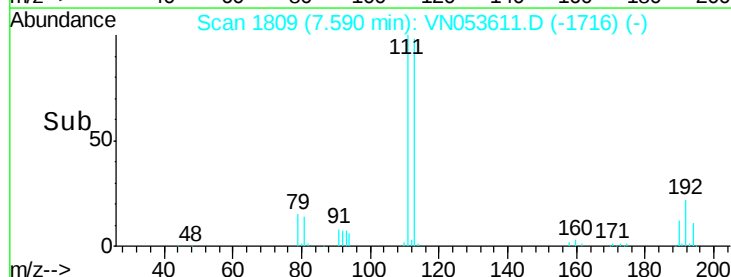
192 23.0 18.2 27.2

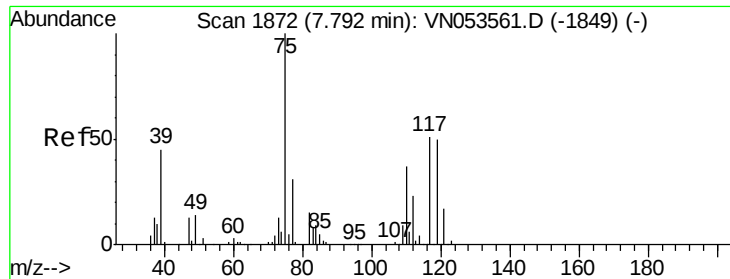


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

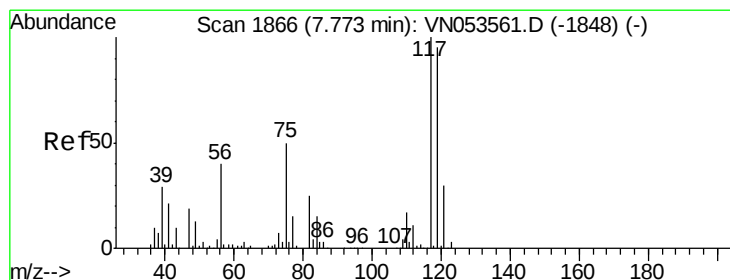
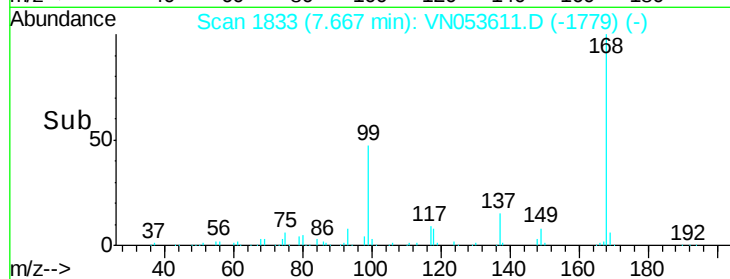
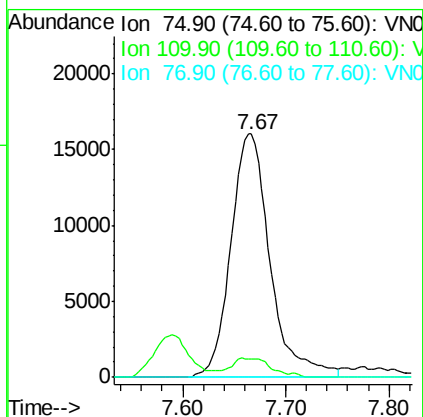
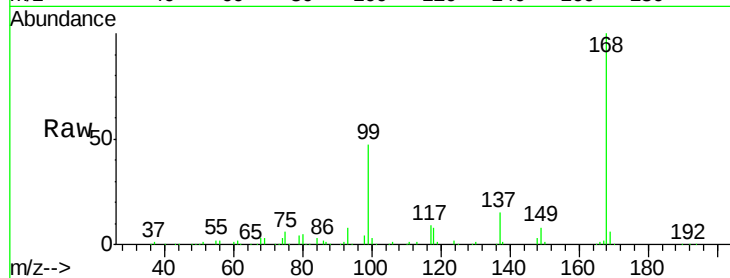




#36
 1,1-Dichloropropene
 Concen: 4.105 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

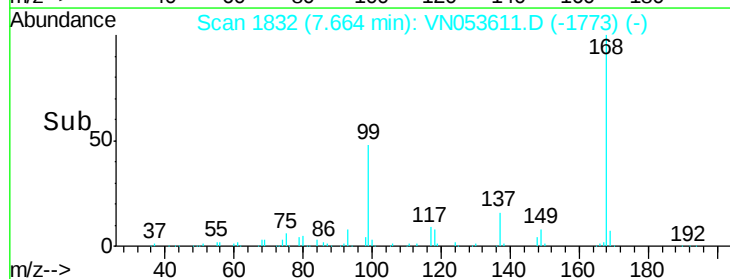
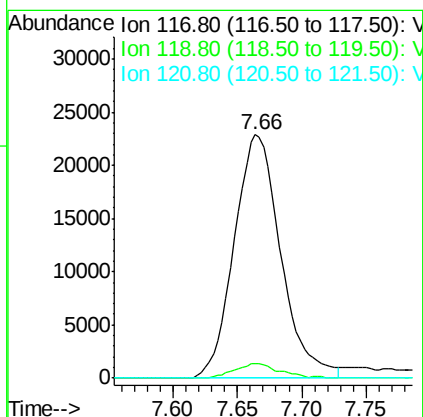
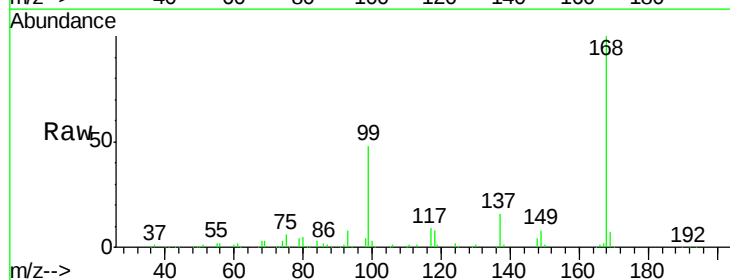
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBL01

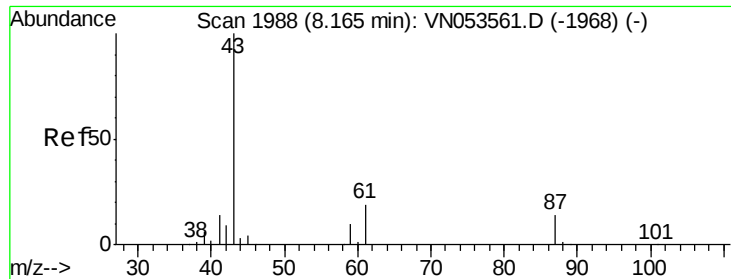
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.506 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.2	115.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.813 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.04 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VN0205WBL01

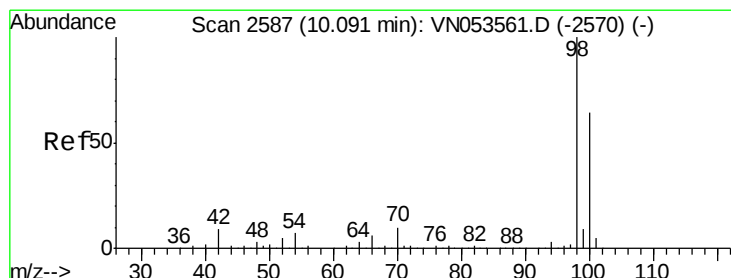
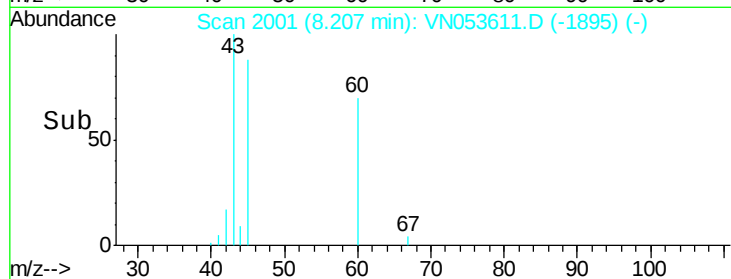
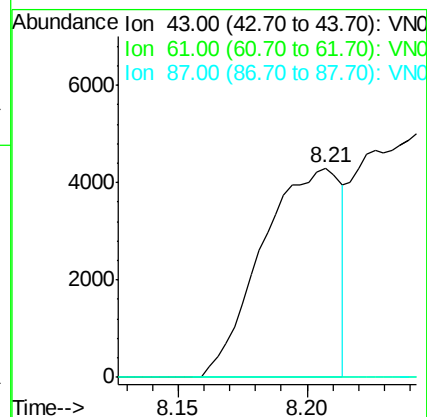
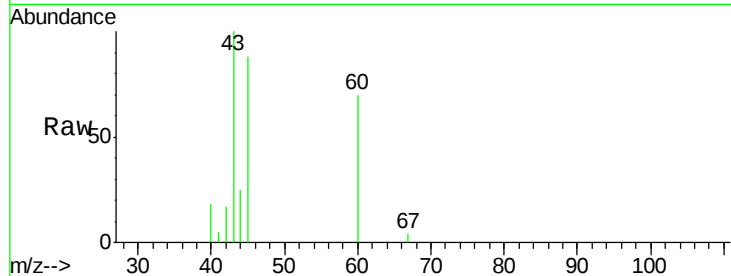
Tot Ion: 43 Resp: 9107

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053611.D

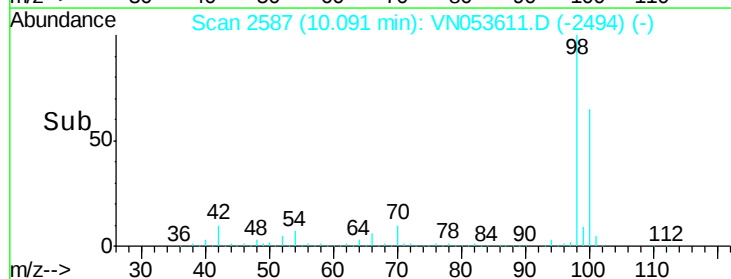
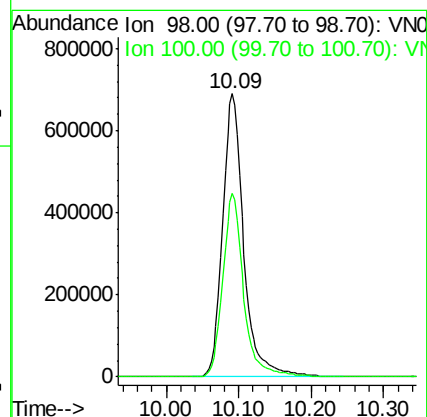
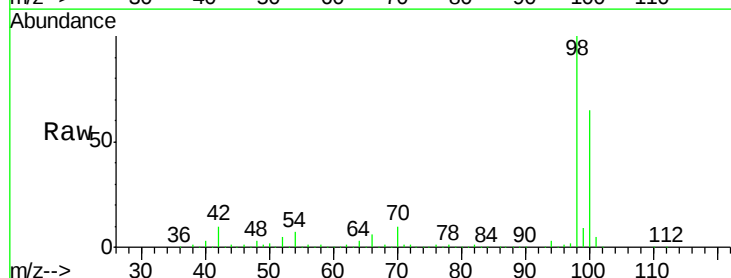
Acq: 5 Feb 2019 11:14

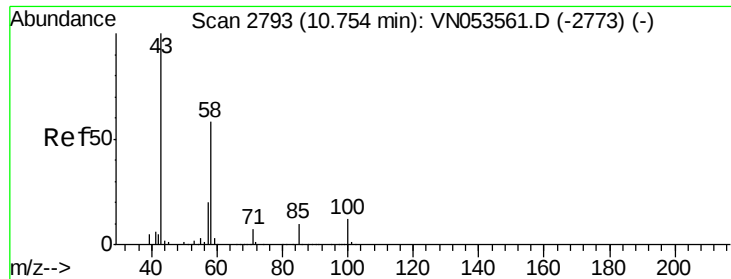
Tgt Ion: 98 Resp: 1387836

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

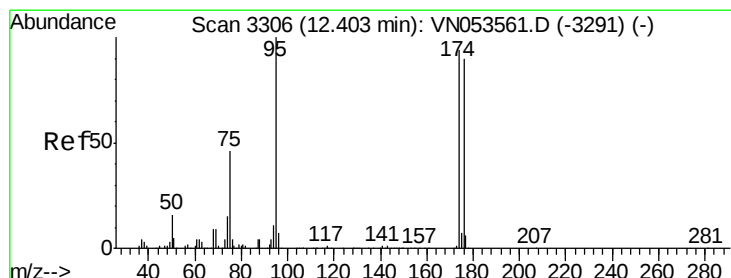
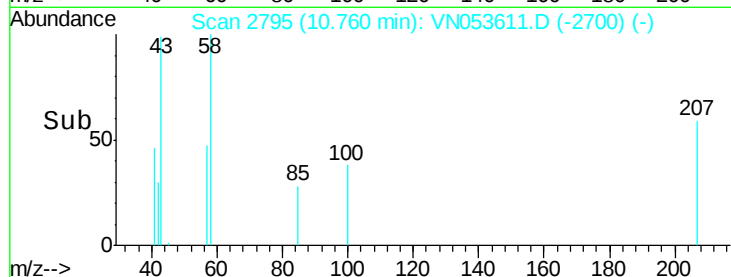
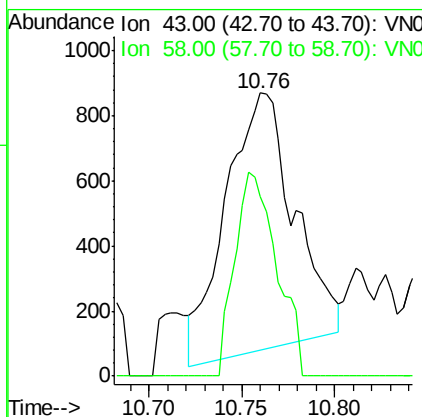
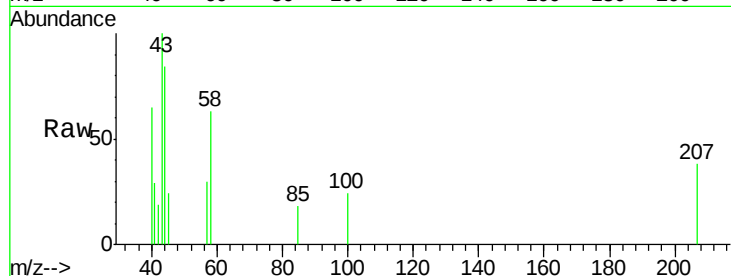




#59
 2-Hexanone
 Concen: 0.547 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

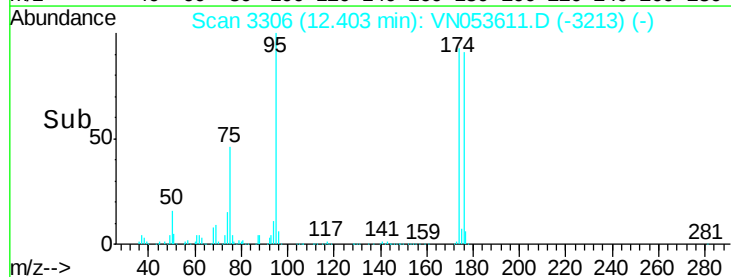
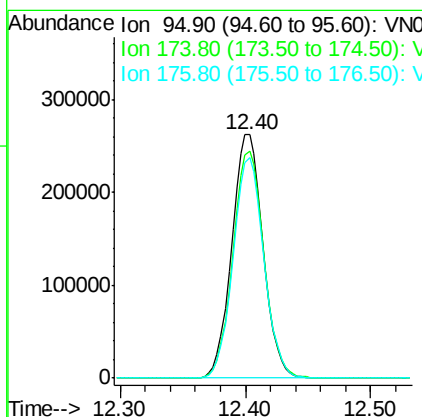
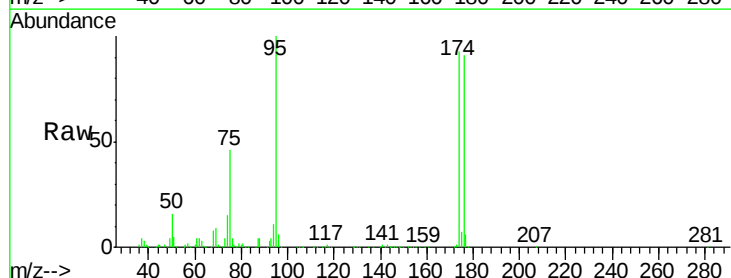
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBL01

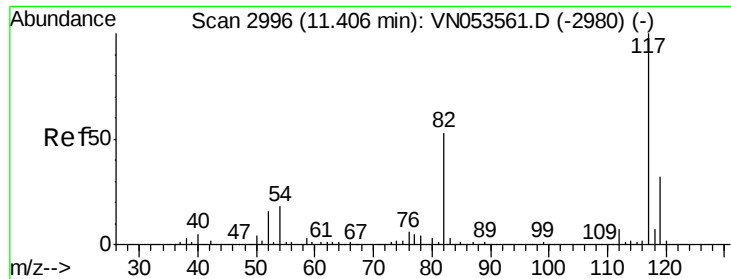
Tot Ion: 43 Resp: 2044
 Ion Ratio Lower Upper
 43 100
 58 47.9 28.6 85.8



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

Tgt Ion: 95 Resp: 452417
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.2
 176 89.4 0.0 177.4

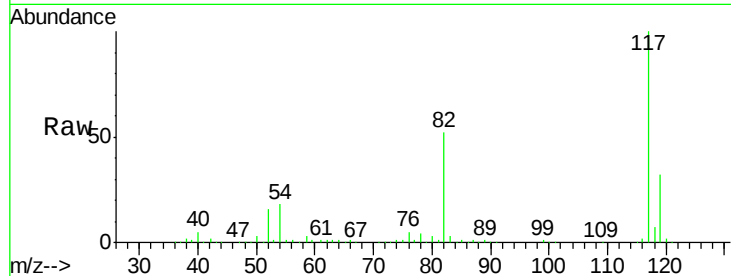




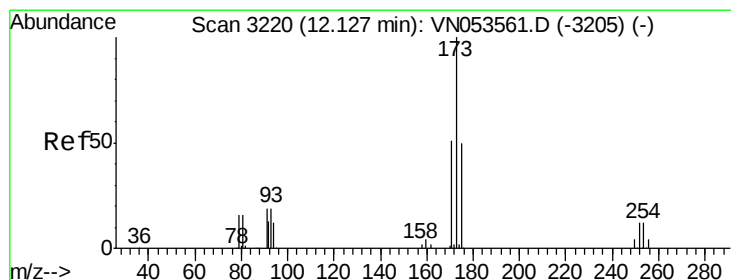
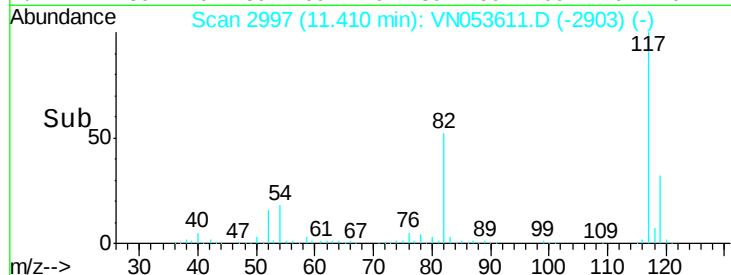
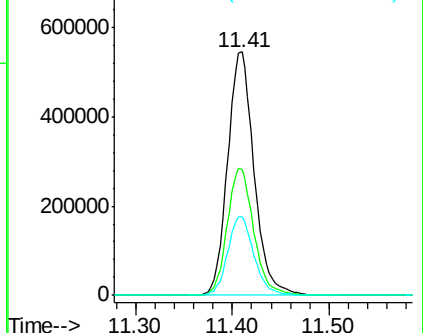
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VN0205WBL01

Tot Ion:117 Resp: 1033904
Ion Ratio Lower Upper
117 100
82 51.7 42.9 64.3
119 32.2 26.0 39.0

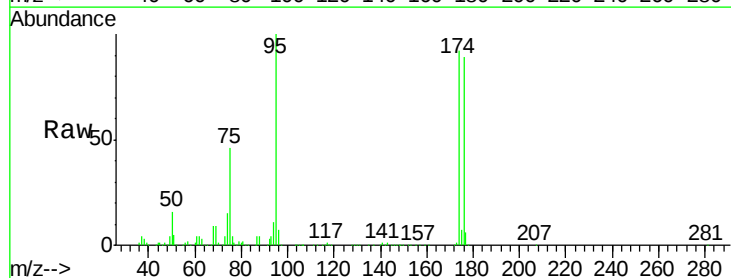


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

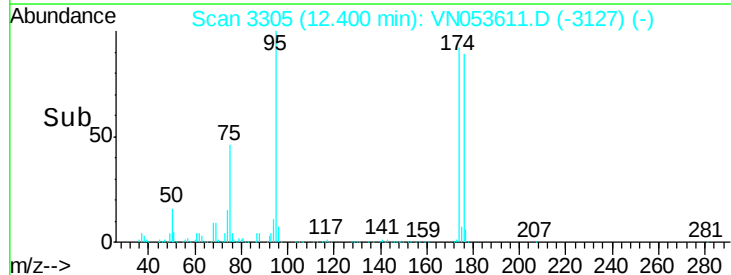
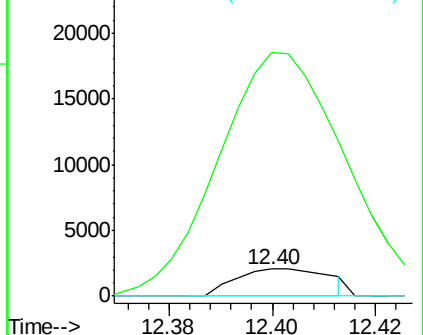


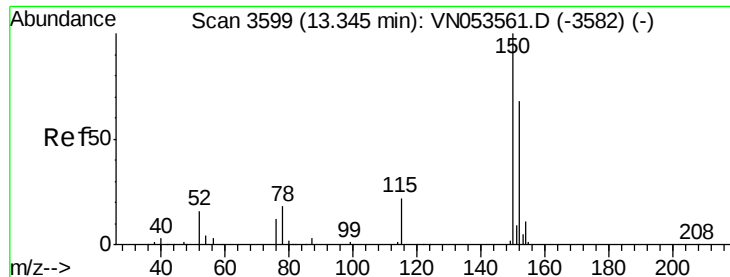
#71
Bromoform
Concen: 0.491 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053611.D
Acq: 5 Feb 2019 11:14

Tgt Ion:173 Resp: 2581
Ion Ratio Lower Upper
173 100
175 1049.6 24.6 74.0#
254 0.0 0.2 0.2#



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: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBL01

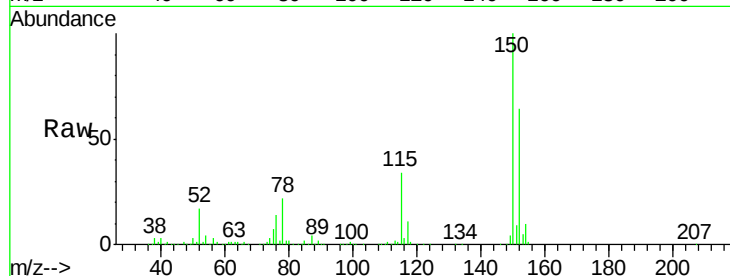
Tot Ion:152 Resp: 416731

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

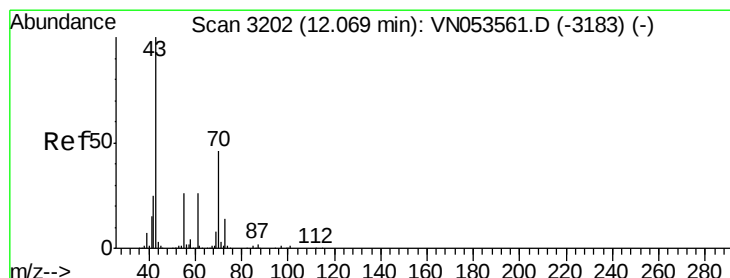
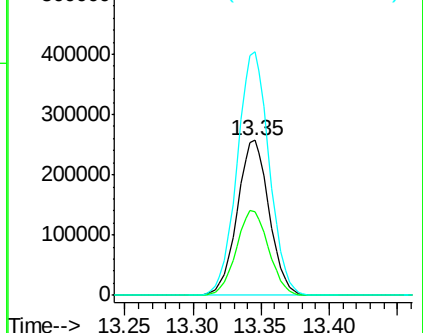
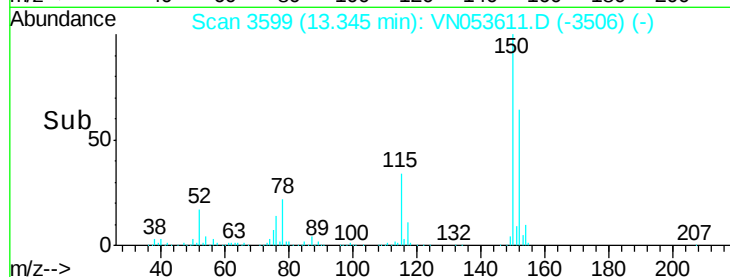
150 158.2 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.235 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Tgt Ion: 43 Resp: 1652

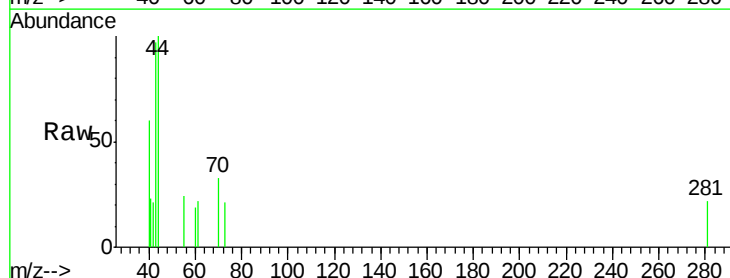
Ion Ratio Lower Upper

43 100

70 19.2 35.4 53.2#

55 10.1 20.9 31.3#

61 3.9 20.5 30.7#

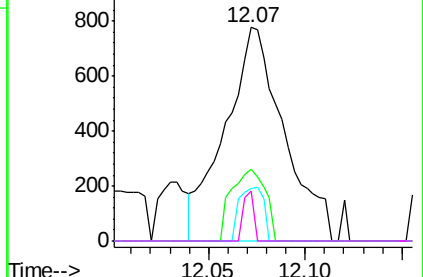
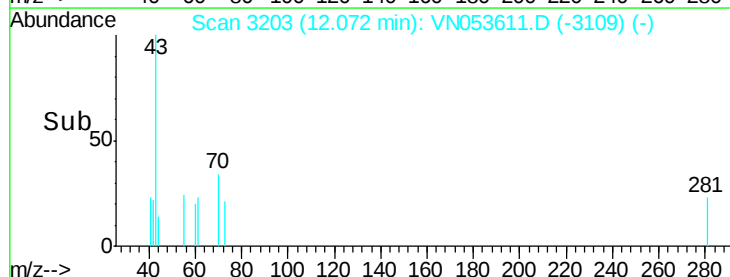


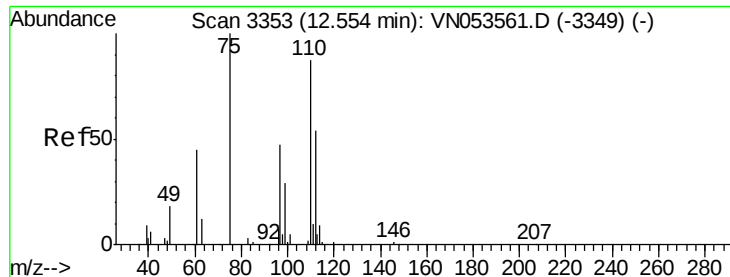
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 38.827 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

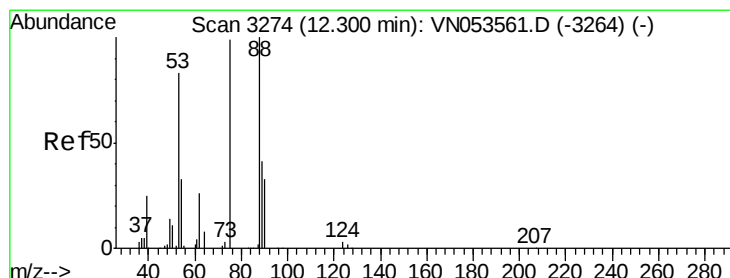
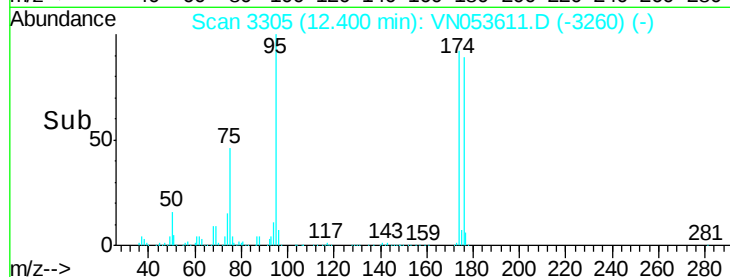
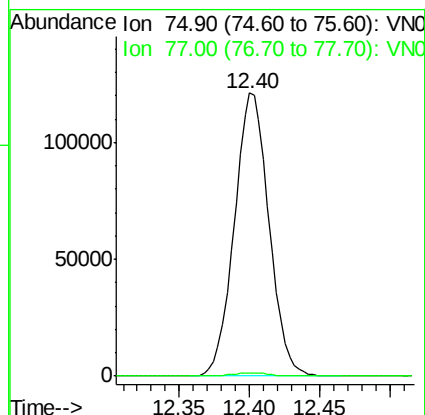
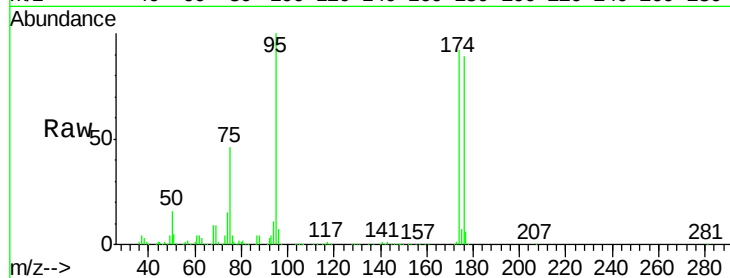
VN0205WBL01

Tot Ion: 75 Resp: 207827

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.178 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053611.D

Acq: 5 Feb 2019 11:14

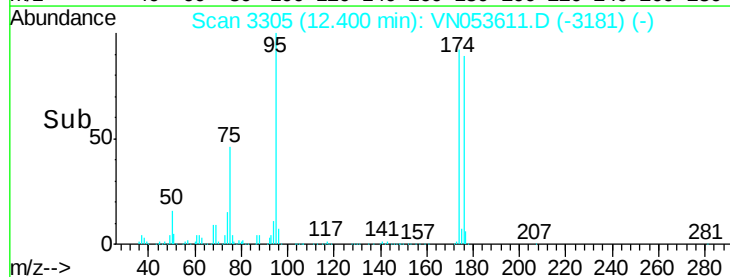
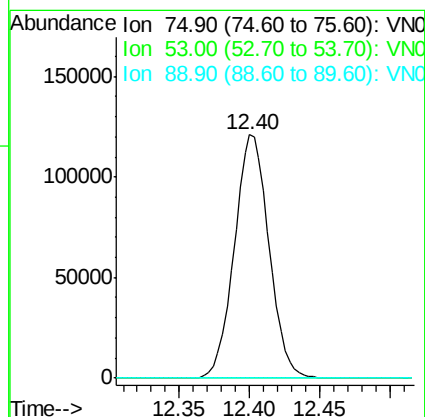
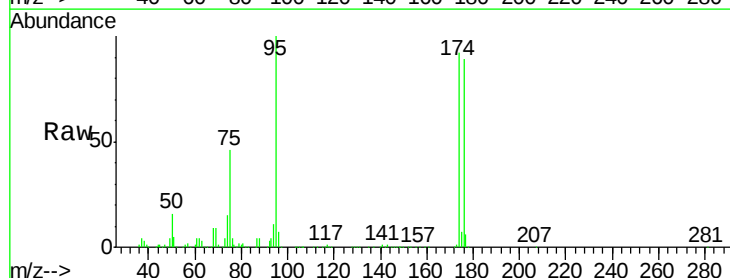
Tgt Ion: 75 Resp: 207827

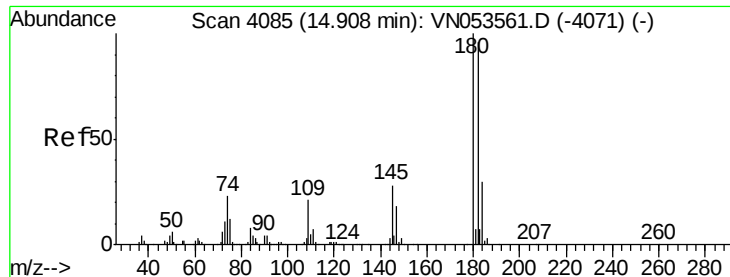
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

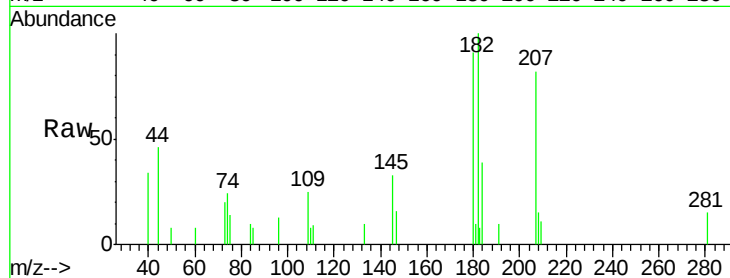




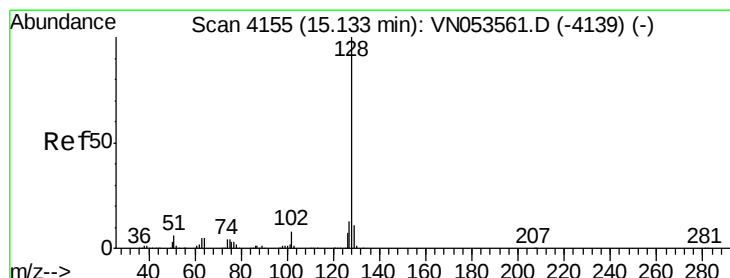
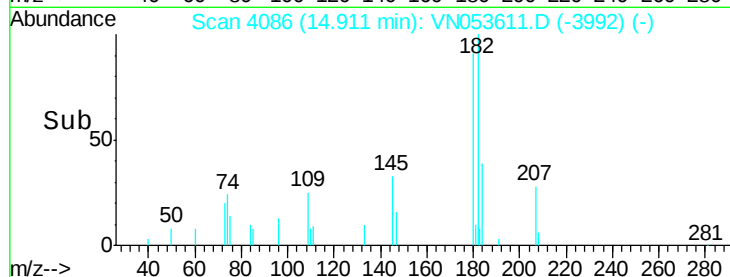
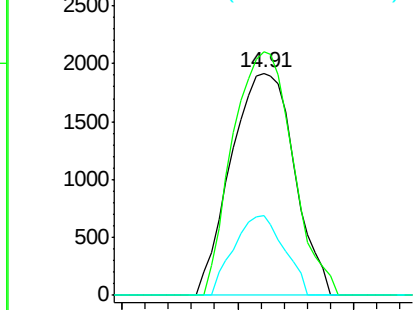
#93
 1,2,4-Trichlorobenzene
 Concen: 0.466 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBL01

Tot Ion:180 Resp: 3633
 Ion Ratio Lower Upper
 180 100
 182 104.1 48.1 144.3
 145 28.6 13.9 41.6

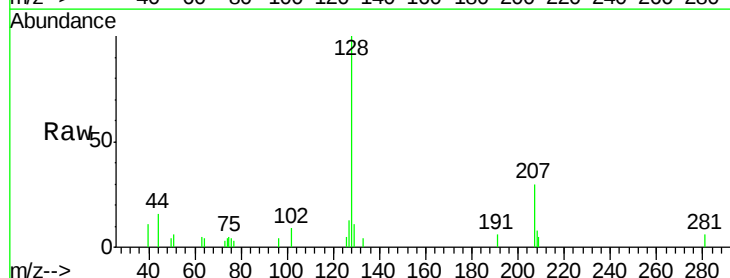


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

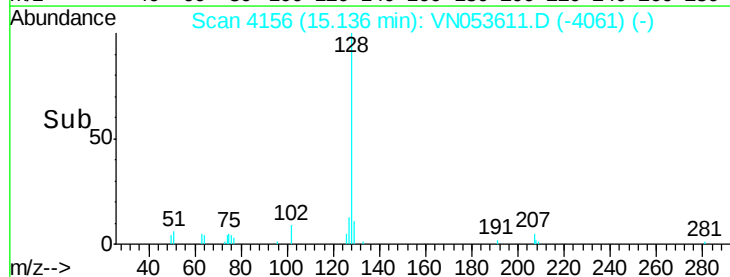
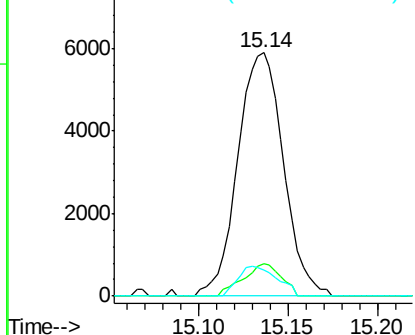


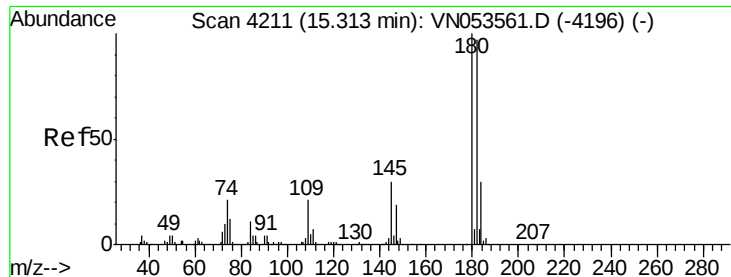
#95
 Naphthalene
 Concen: 2.291 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

Tgt Ion:128 Resp: 10526
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.3 15.5
 129 10.5 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

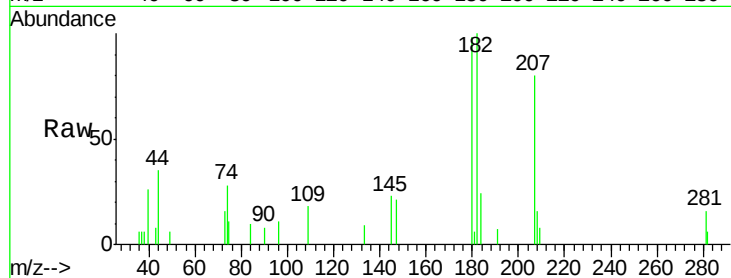




#96
 1,2,3-Trichlorobenzene
 Concen: 0.688 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053611.D
 Acq: 5 Feb 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBL01

Tot Ion:180 Resp: 4974
 Ion Ratio Lower Upper
 180 100
 182 101.7 47.9 143.8
 145 16.7 14.7 44.1



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

