

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055332.D
 Acq On : 1 May 2019 16:45
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

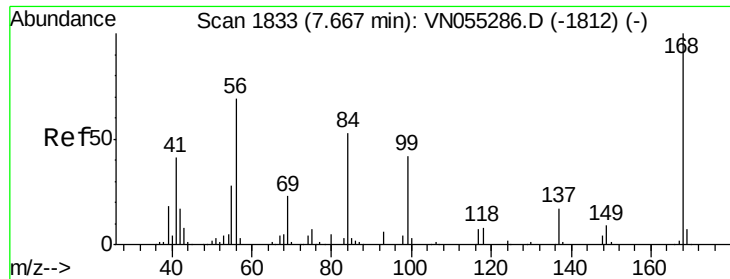
Quant Time: May 02 01:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	389065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	676712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173732	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	277509	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	224802	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	846444	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.40	95	262144	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14782	9.321	ug/l	93
17) Carbon Disulfide	4.05	76	2388	0.238	ug/l #	74
18) Methyl Acetate	4.32	43	702	Below Cal	#	57
31) Cyclohexane	7.66	56	9048	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	30820	4.755	ug/l #	49
38) Carbon Tetrachloride	7.66	117	36157	5.783	ug/l #	16
41) Methacrylonitrile	7.16	41	116	0.782	ug/l #	49
43) Isopropyl Acetate	8.26	43	21964	2.751	ug/l #	57
71) Bromoform	12.40	173	2372	0.894	ug/l #	1
73) Isopropylbenzene	12.40	105	249	Below Cal	#	49
74) N-amyl acetate	12.03	43	2960	0.664	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	60	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	136556	41.878	ug/l #	100
79) 2-Chlorotoluene	12.58	91	103	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	136556	148.955	ug/l #	7
90) Hexachloroethane	13.89	117	29	Below Cal	#	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

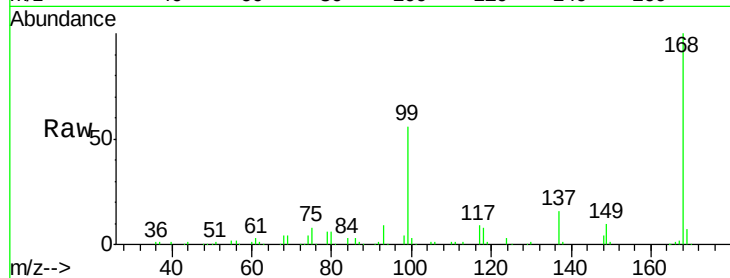
I.BLK

Tot Ion:168 Resp: 389065

Ion Ratio Lower Upper

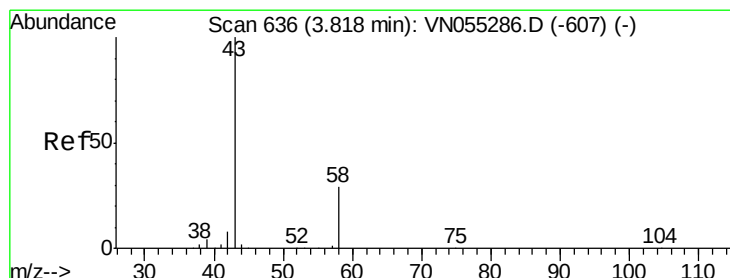
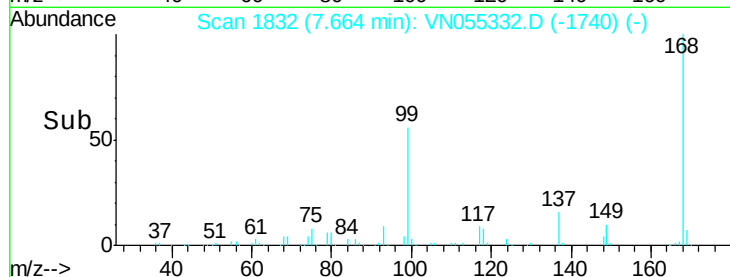
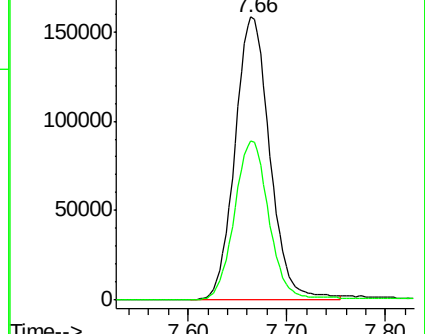
168 100

99 56.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 9.321 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055332.D

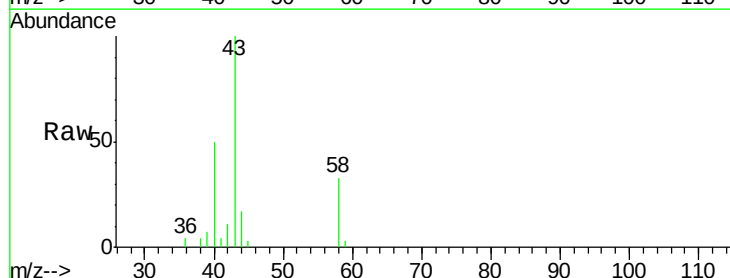
Acq: 1 May 2019 16:45

Tgt Ion: 43 Resp: 14782

Ion Ratio Lower Upper

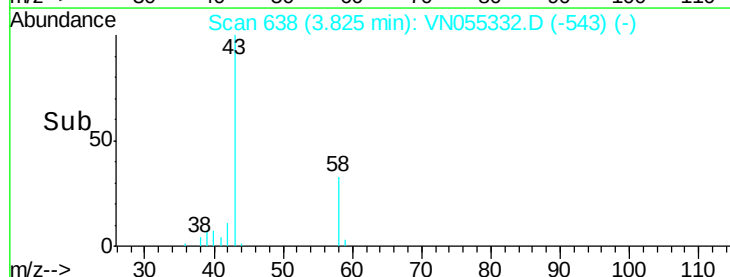
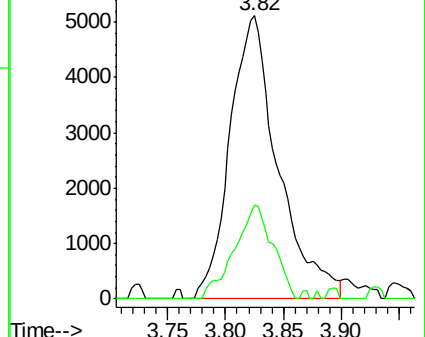
43 100

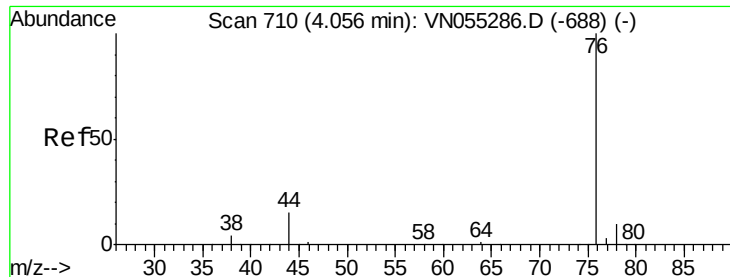
58 33.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.238 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

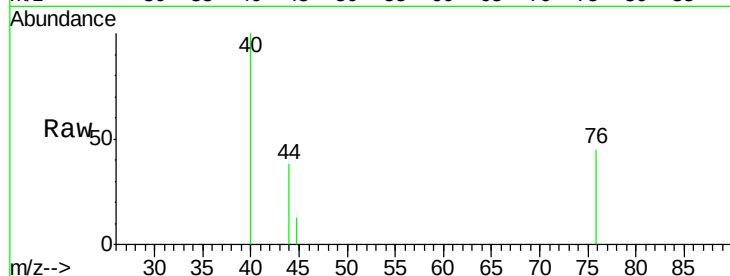
I.BLK

Tot Ion: 76 Resp: 2388

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

1200

1000

800

600

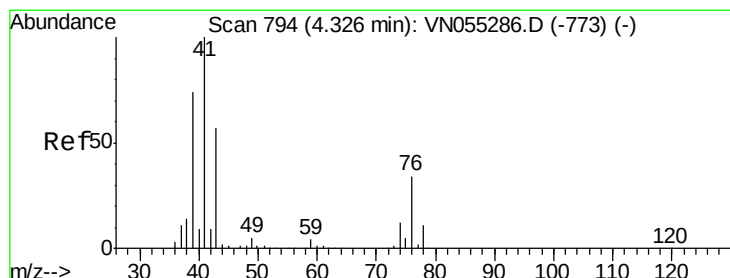
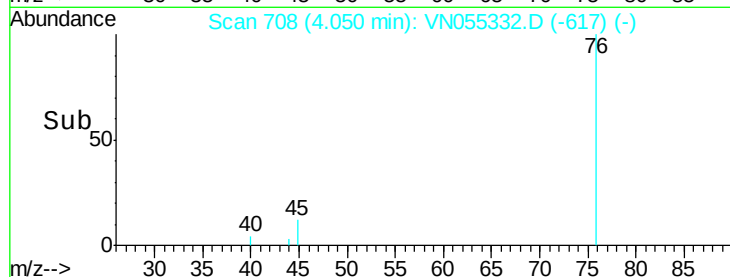
400

200

0

Time-->

4.00 4.05 4.10



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN055332.D

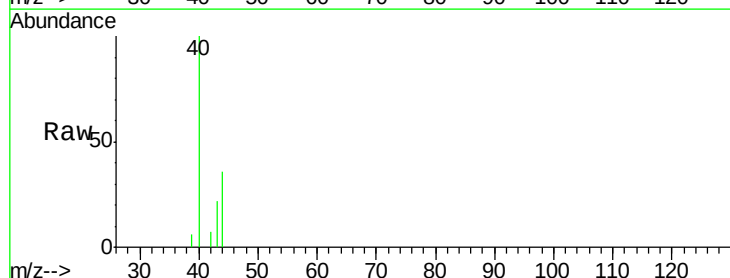
Acq: 1 May 2019 16:45

Tgt Ion: 43 Resp: 702

Ion Ratio Lower Upper

43 100

74 0.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1000

800

600

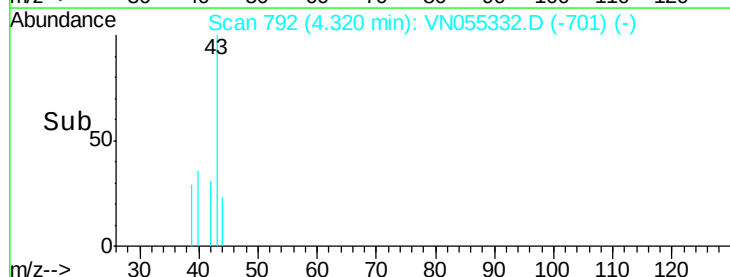
400

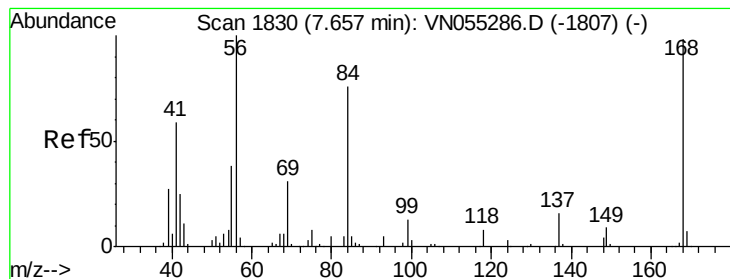
200

0

Time-->

4.30 4.32





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

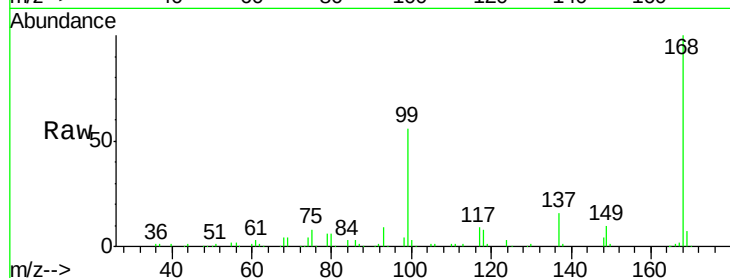
Tot Ion: 56 Resp: 9048

Ion Ratio Lower Upper

56 100

69 163.6 25.2 37.8#

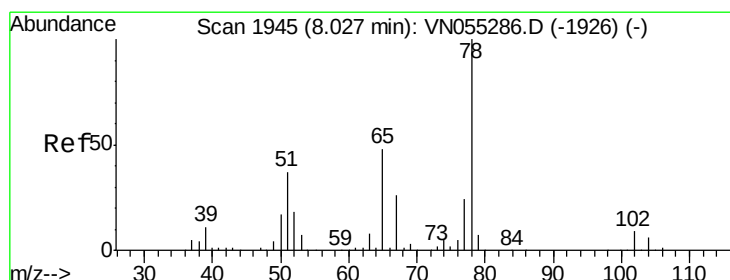
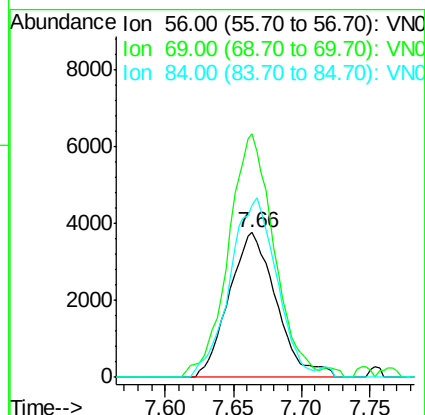
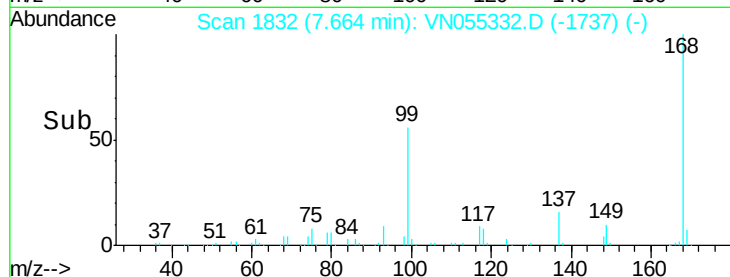
84 119.3 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.522 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055332.D

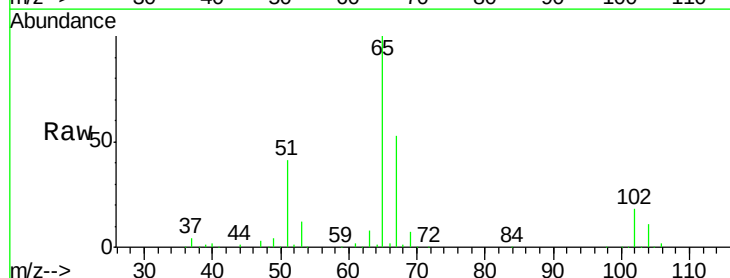
Acq: 1 May 2019 16:45

Tgt Ion: 65 Resp: 277509

Ion Ratio Lower Upper

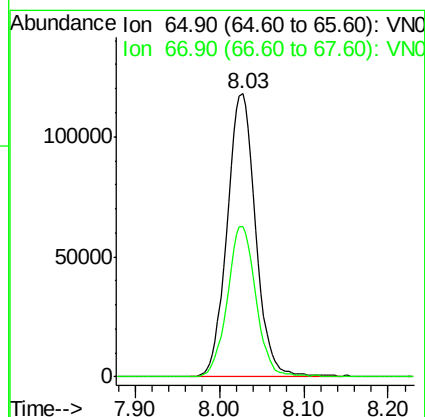
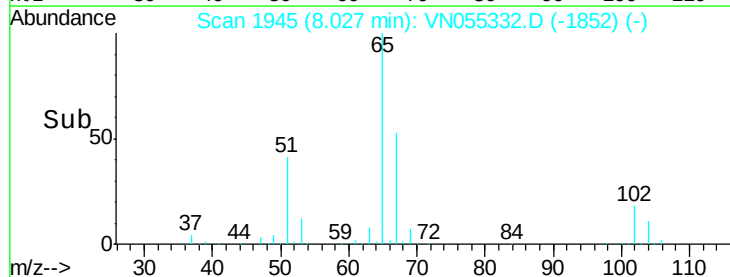
65 100

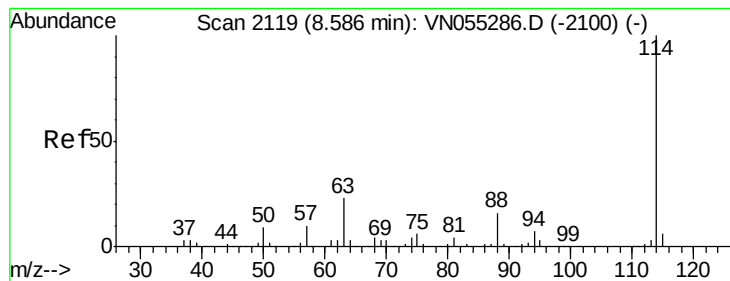
67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

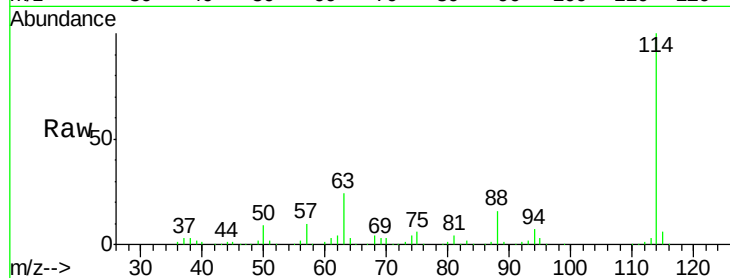
Tot Ion:114 Resp: 676712

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.2 0.0 31.6



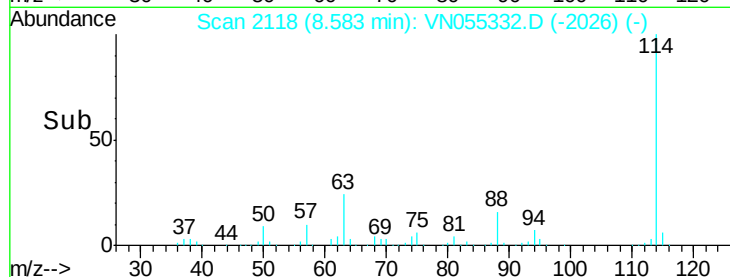
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.58

Time-->



Abundance

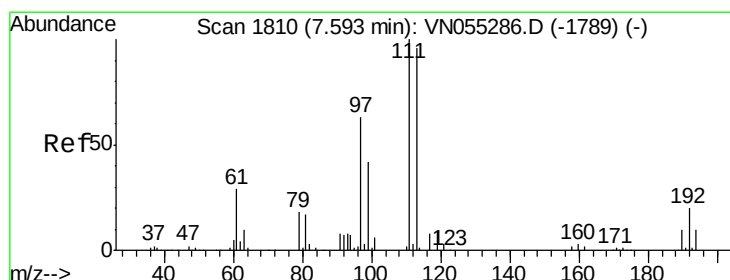
Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.58

Time-->



#35

Dibromofluoromethane

Concen: 50.612 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

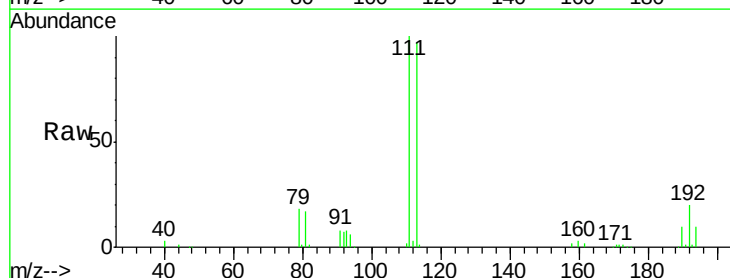
Tgt Ion:113 Resp: 224802

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

192 19.9 17.0 25.6



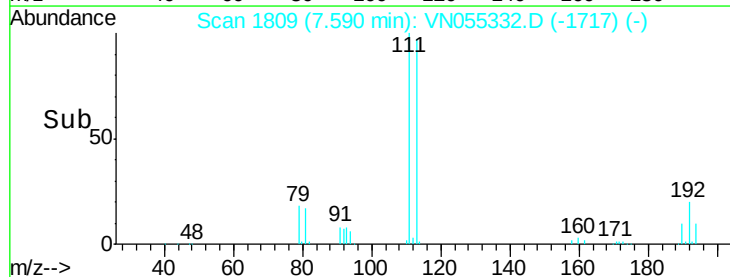
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.59

Time-->



Abundance

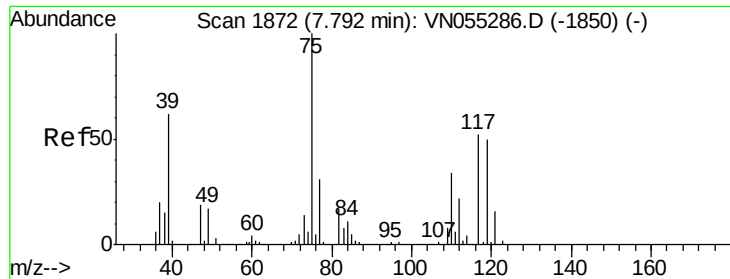
Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.59

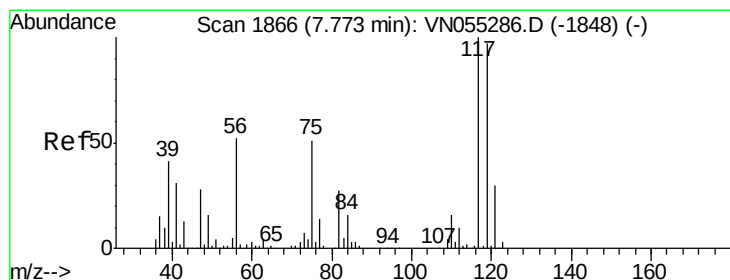
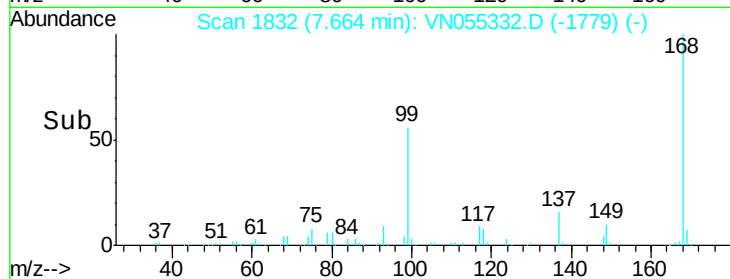
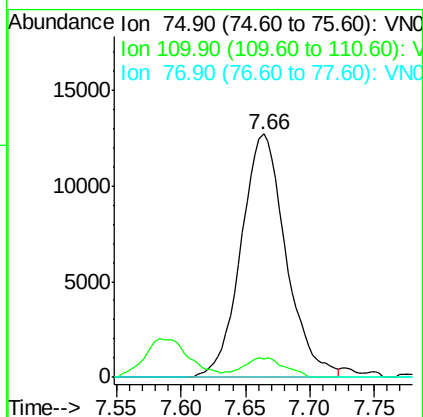
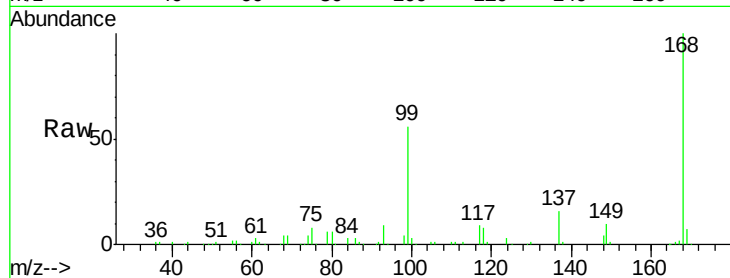
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

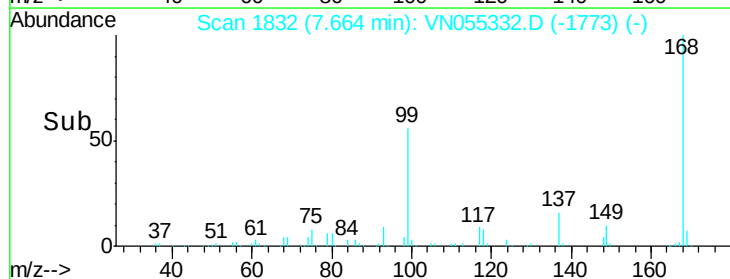
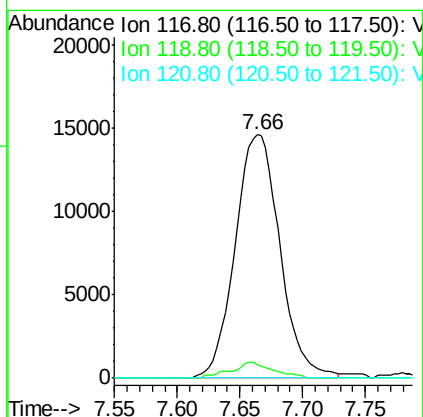
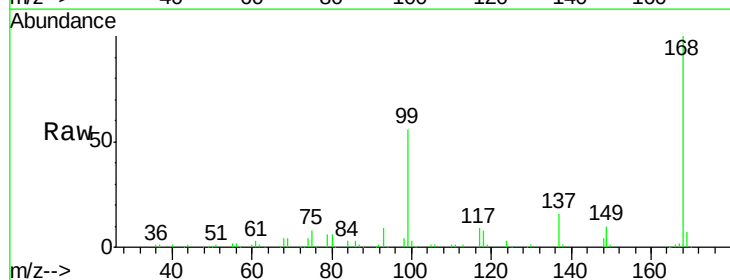
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

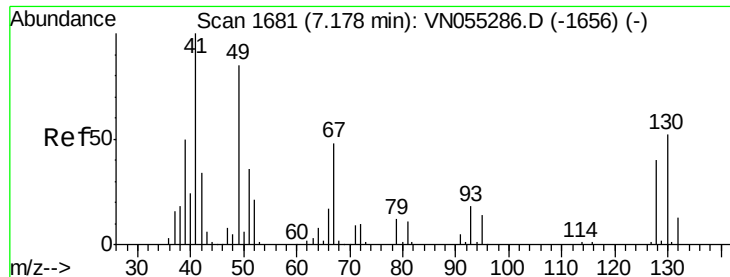
Tot Ion: 75 Resp: 30820
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.783 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

Tgt Ion: 117 Resp: 36157
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.0 115.6#
 121 0.0 23.8 35.8#

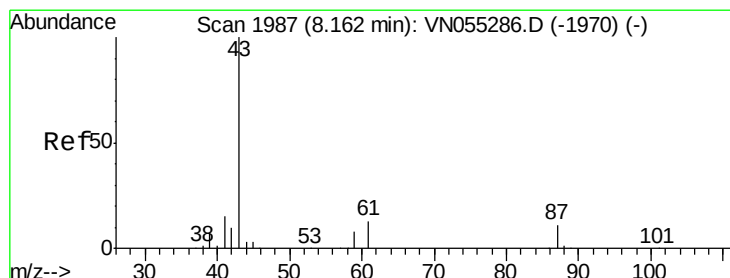
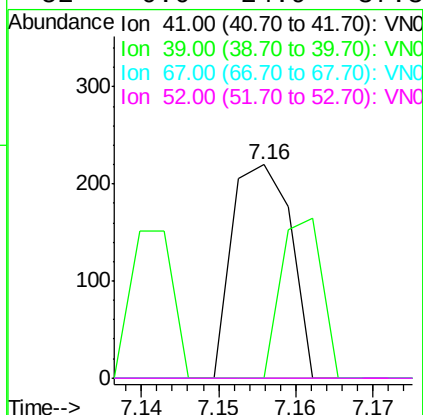
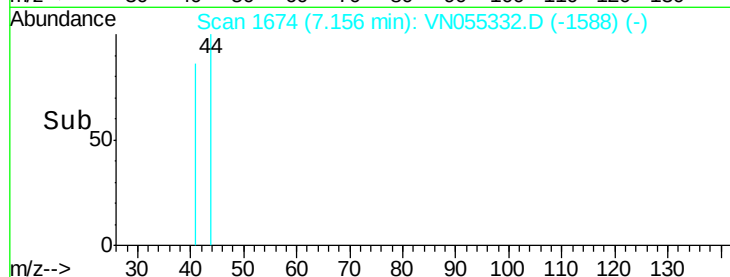
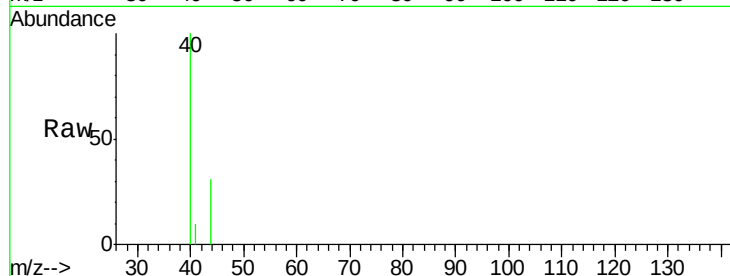




#41
Methacrylonitrile
Concen: 0.782 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN055332.D
Acq: 1 May 2019 16:45

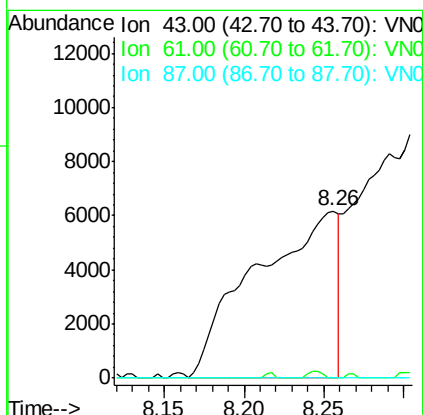
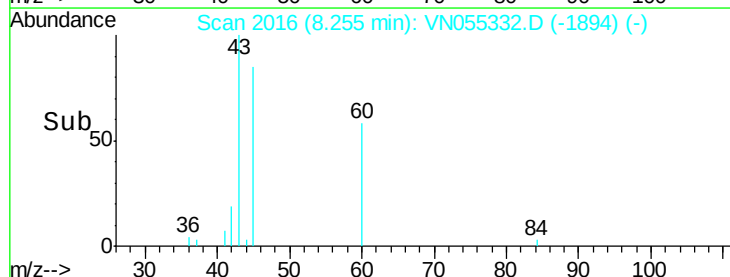
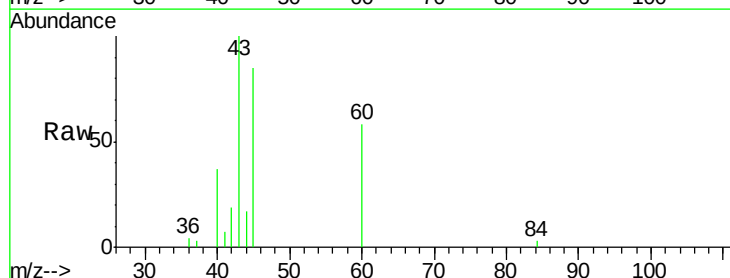
Instrument :
MSVOA_N
ClientSampled :
I.BLK

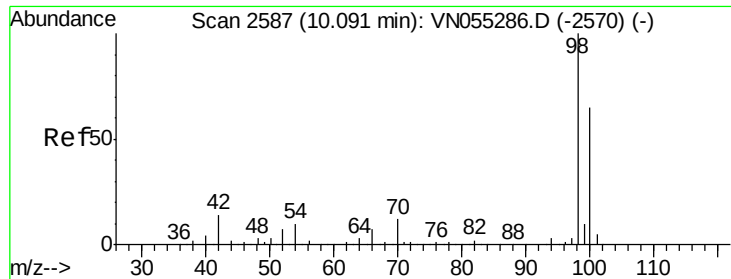
Tot Ion: 41 Resp: 116
Ion Ratio Lower Upper
41 100
39 52.6 48.5 72.7
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.751 ug/l
RT: 8.26 min Scan# 2016
Delta R.T. 0.09 min
Lab File: VN055332.D
Acq: 1 May 2019 16:45

Tgt Ion: 43 Resp: 21964
Ion Ratio Lower Upper
43 100
61 0.8 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 52.776 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

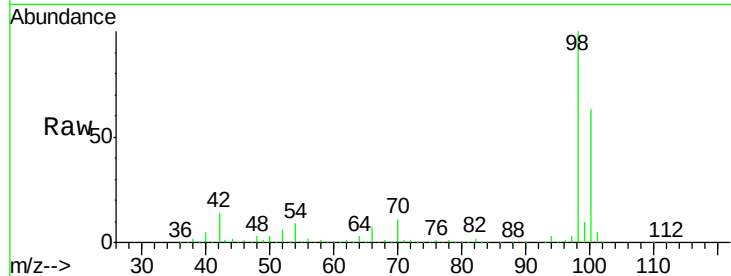
I.BLK

Tot Ion: 98 Resp: 846444

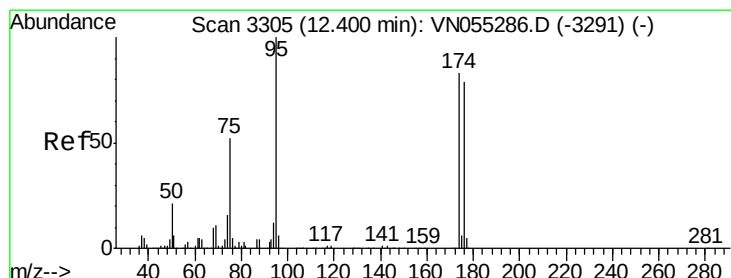
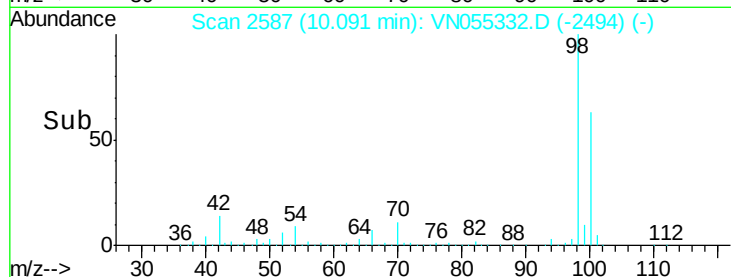
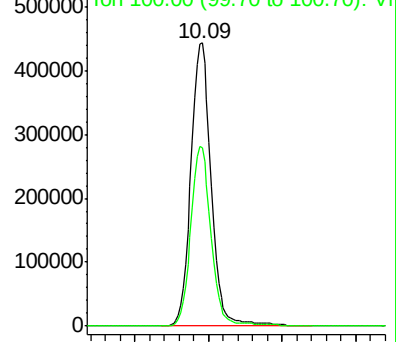
Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 52.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

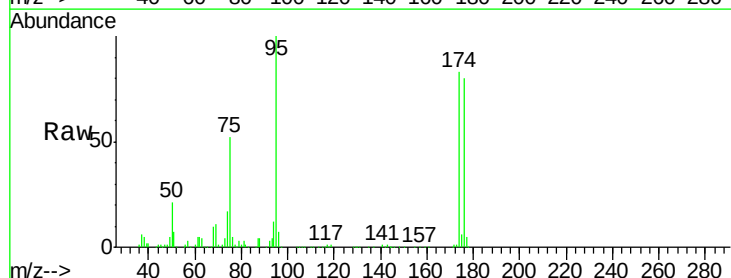
Tgt Ion: 95 Resp: 262144

Ion Ratio Lower Upper

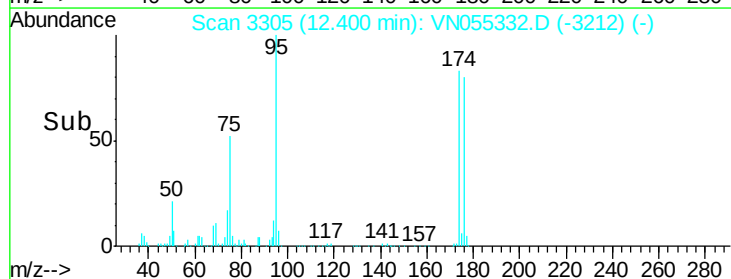
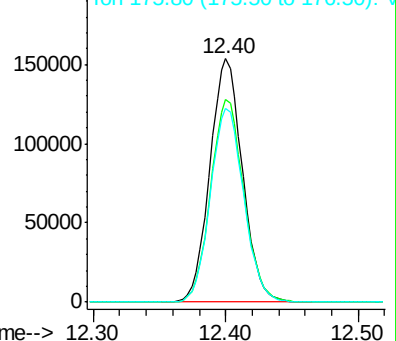
95 100

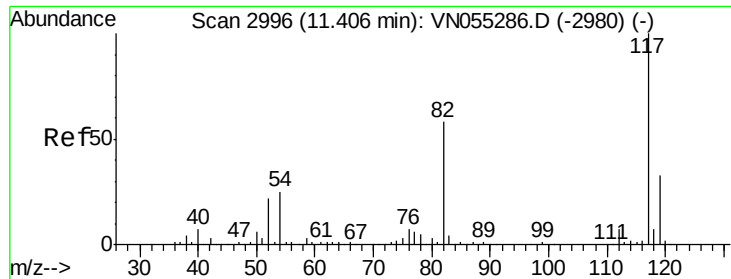
174 84.6 0.0 166.6

176 81.5 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

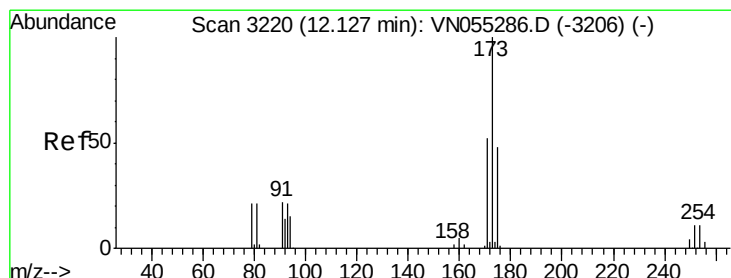
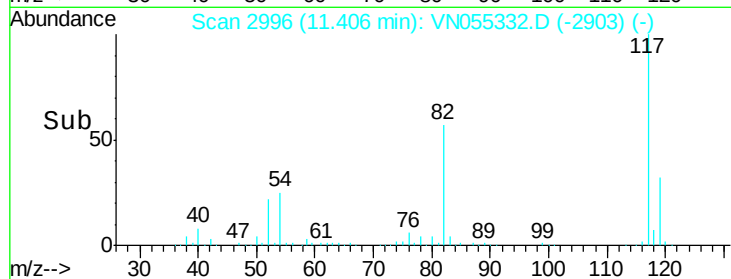
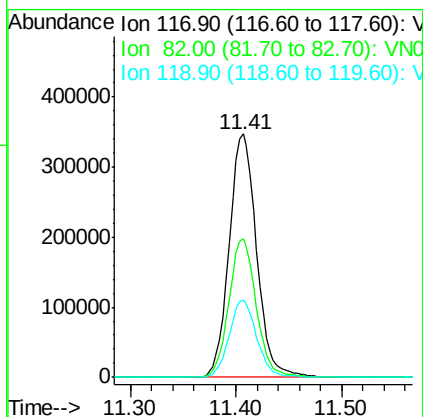
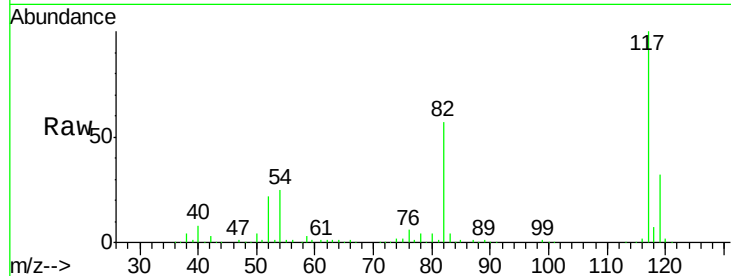




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055332.D
Acq: 1 May 2019 16:45

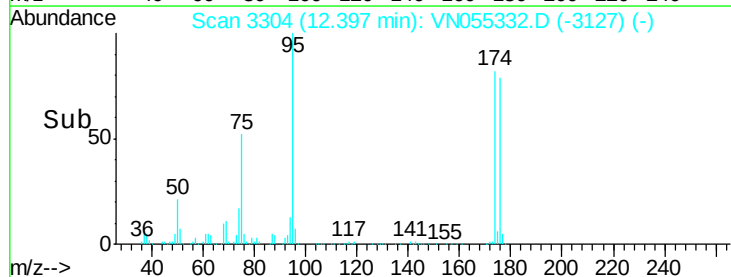
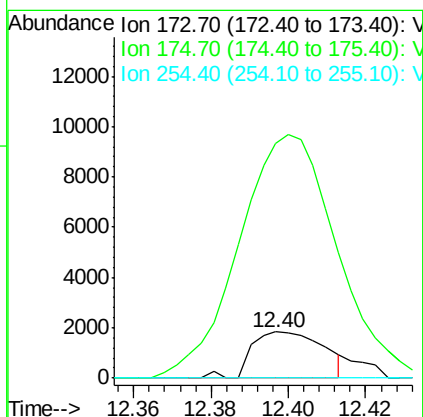
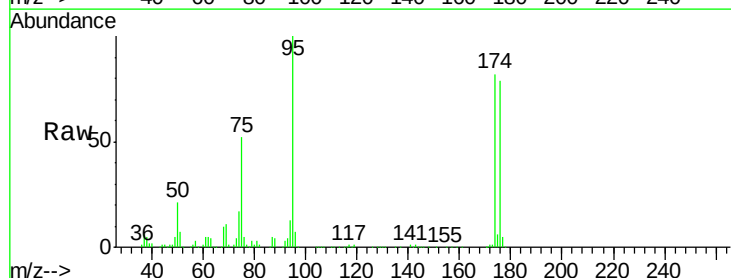
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

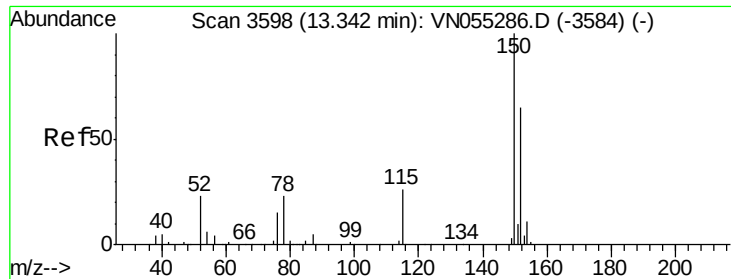
Tot Ion:117 Resp: 624694
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 31.7 26.6 40.0



#71
Bromoform
Concen: 0.894 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055332.D
Acq: 1 May 2019 16:45

Tgt Ion:173 Resp: 2372
Ion Ratio Lower Upper
173 100
175 637.4 23.6 71.0#
254 0.0 0.0 0.0

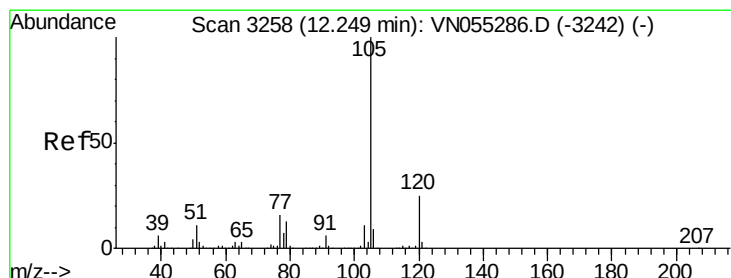
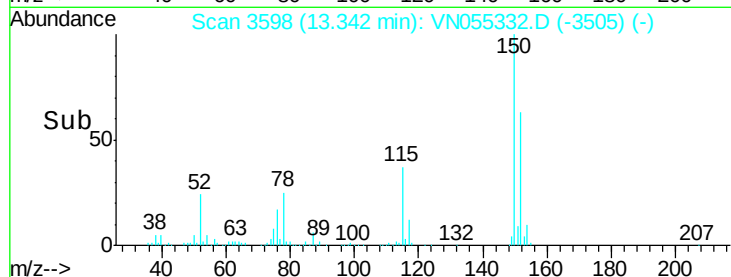
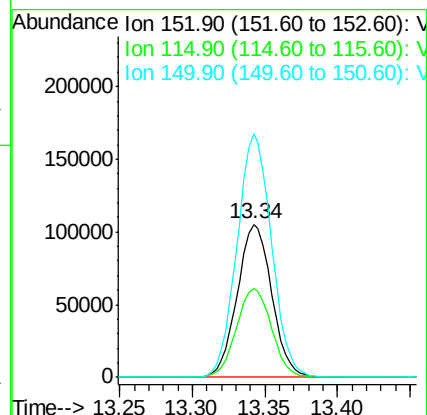
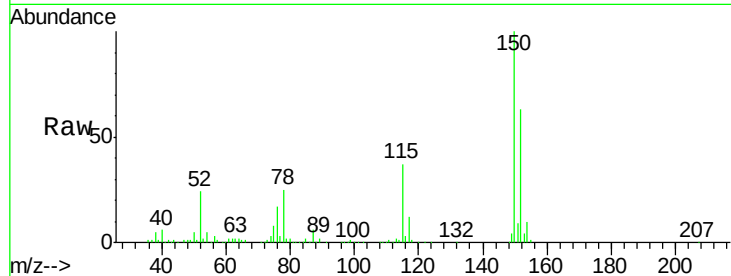




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

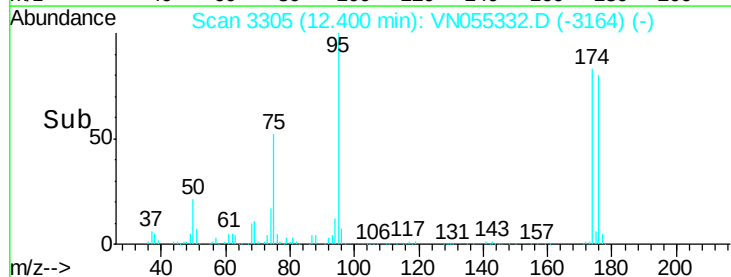
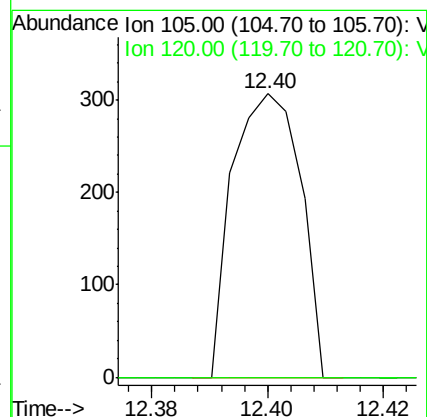
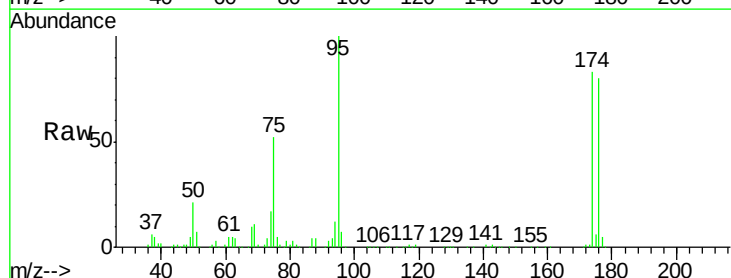
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

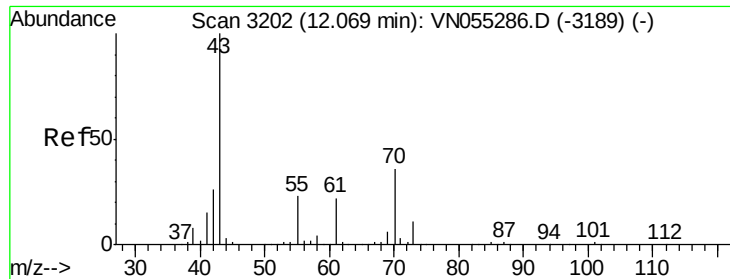
Tot Ion:152 Resp: 173732
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.0 87.0
 150 159.5 0.0 345.6



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.15 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

Tgt Ion:105 Resp: 249
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.9 38.7#





#74

N-amvl acetate

Concen: 0.664 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 43 Resp: 2960

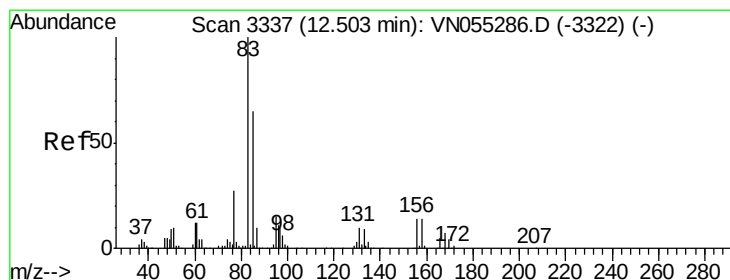
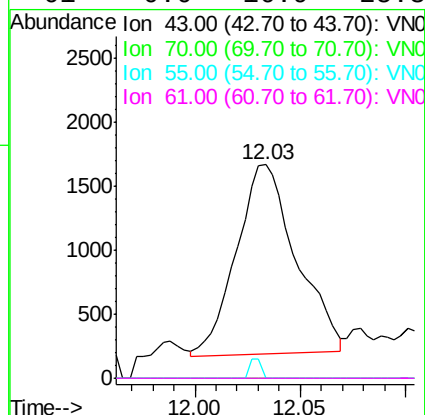
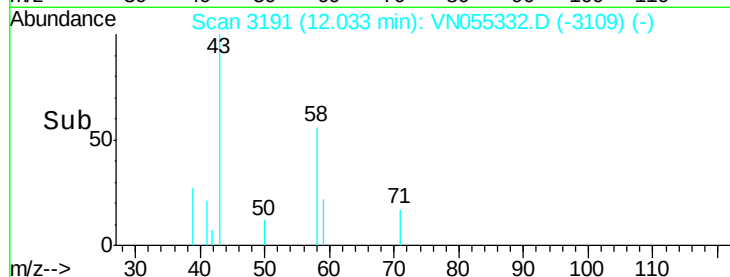
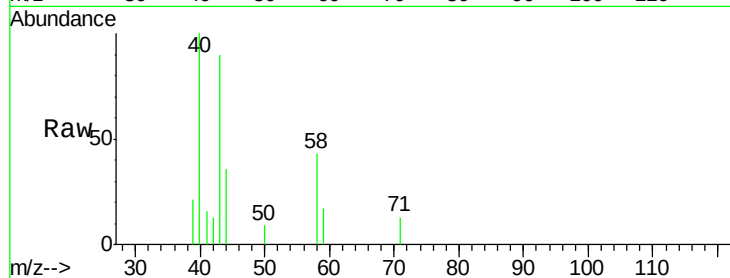
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 2.0 18.2 27.2#

61 0.0 16.9 25.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

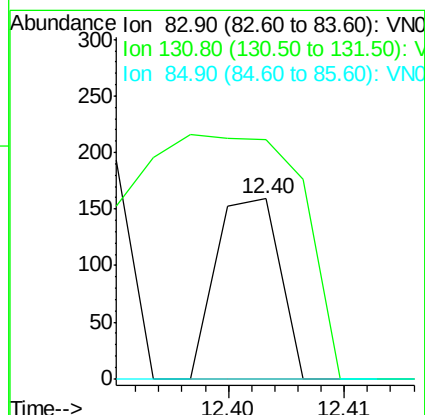
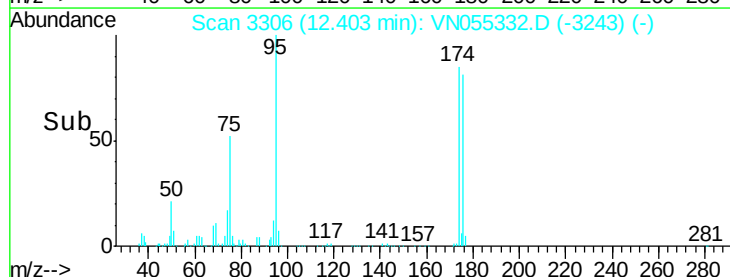
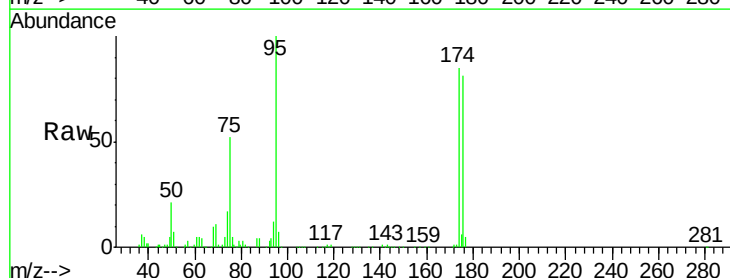
Tgt Ion: 83 Resp: 60

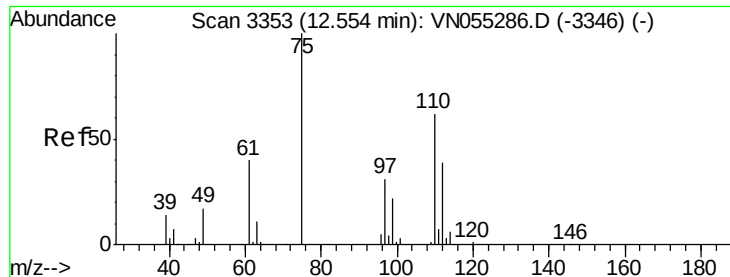
Ion Ratio Lower Upper

83 100

131 375.0 5.1 15.2#

85 0.0 32.3 96.8#

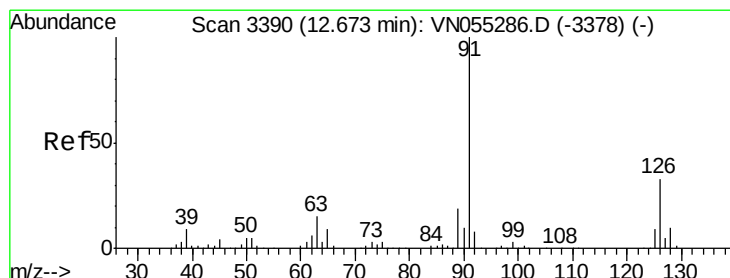
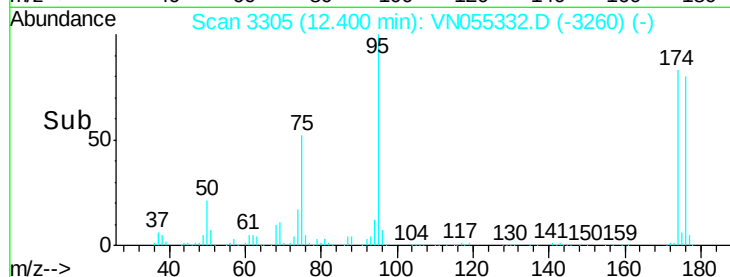
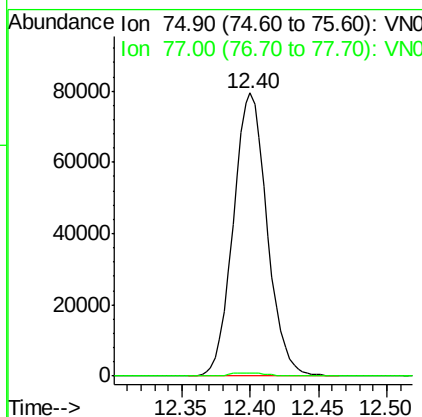
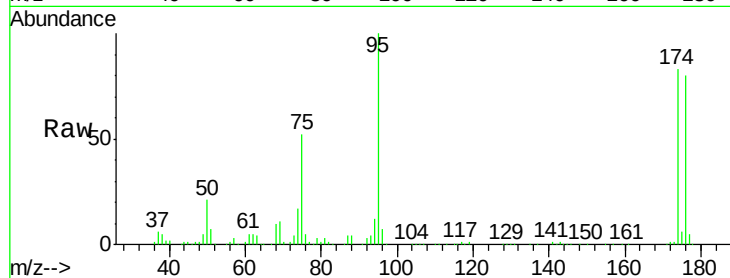




#76
 1,2,3-Trichloropropane
 Concen: 41.878 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

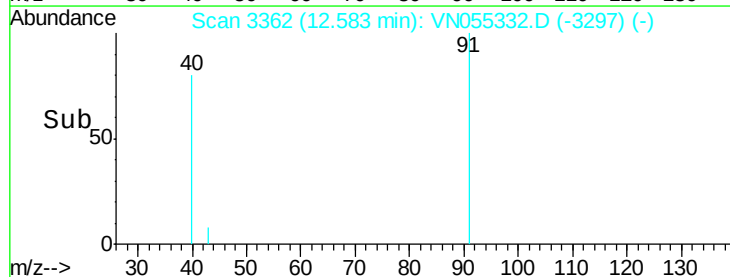
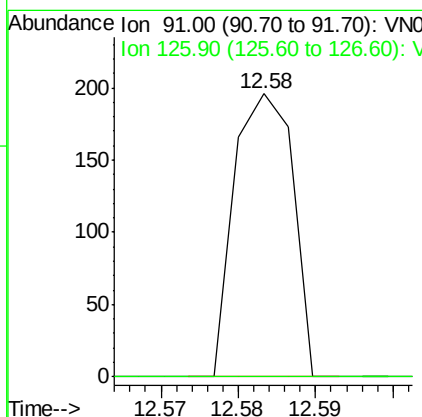
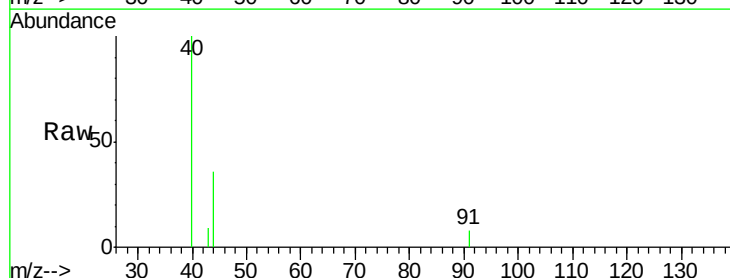
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

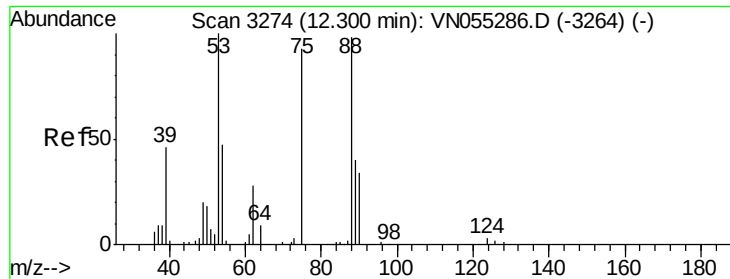
Tot Ion: 75 Resp: 136556
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.58 min Scan# 3362
 Delta R.T. -0.09 min
 Lab File: VN055332.D
 Acq: 1 May 2019 16:45

Tgt Ion: 91 Resp: 103
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 148.955 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055332.D

Acq: 1 May 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

I.BLK

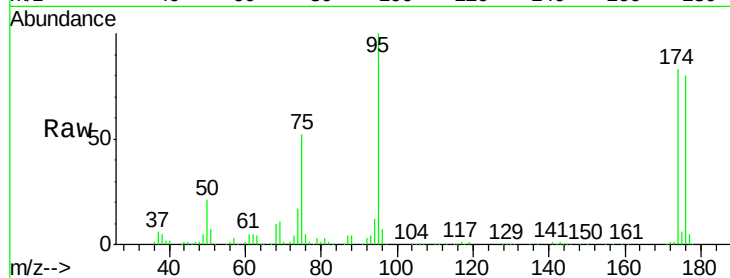
Tot Ion: 75 Resp: 136556

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

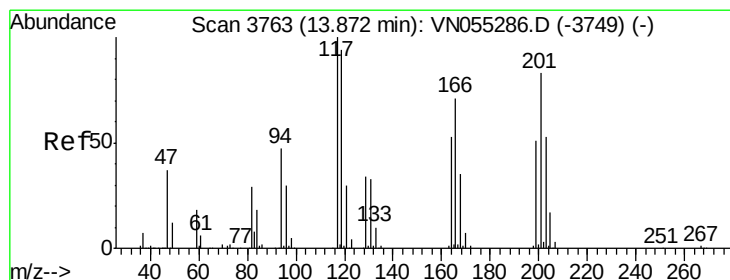
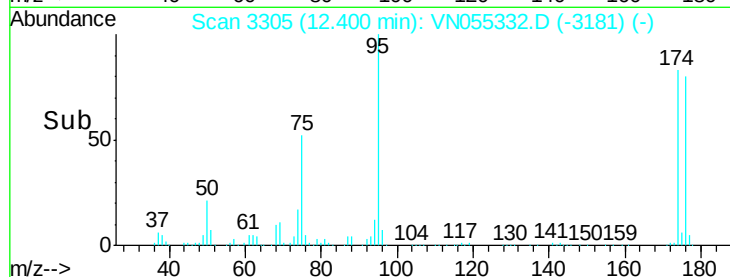
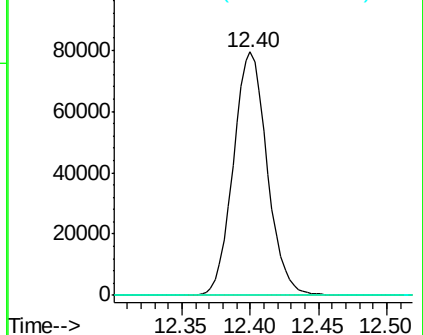
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055332.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055332.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055332.D (-3181) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055332.D

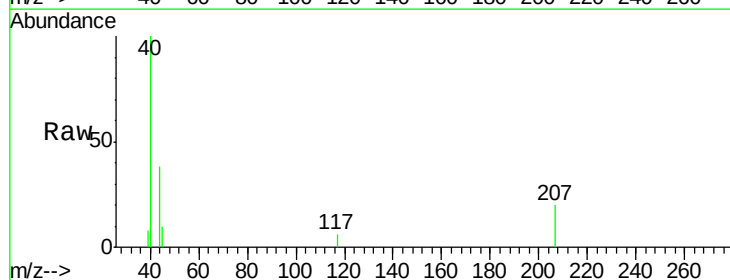
Acq: 1 May 2019 16:45

Tgt Ion: 117 Resp: 29

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055332.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055332.D (-3670) (-)

