

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055326.D
 Acq On : 1 May 2019 13:53
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: May 02 01:51:20 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	7.67	168	370682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	619161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	146318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	248634	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	207444	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.09	98	765989	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.40	95	231017	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

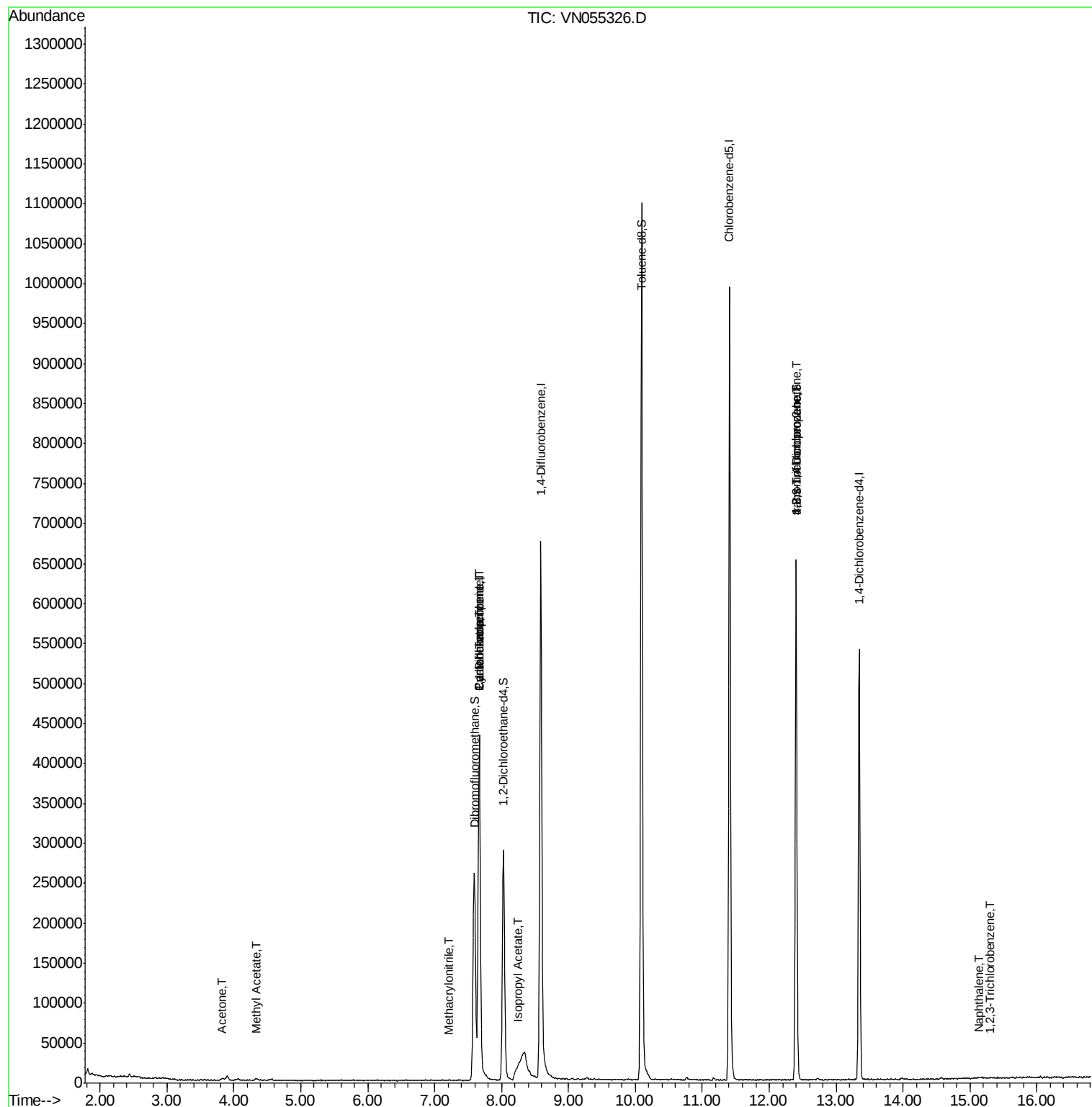
						Qvalue
16) Acetone	3.82	43	2061	1.364	ug/l #	73
18) Methyl Acetate	4.35	43	4805	0.275	ug/l	92
31) Cyclohexane	7.67	56	8470	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	27880	4.701	ug/l #	50
38) Carbon Tetrachloride	7.67	117	35637	6.229	ug/l #	16
41) Methacrylonitrile	7.20	41	29	0.752	ug/l #	1
43) Isopropyl Acetate	8.23	43	14606	2.000	ug/l #	56
73) Isopropylbenzene	12.25	105	254	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	62	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	119233	43.514	ug/l #	100
79) 2-Chlorotoluene	12.66	91	140	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	119233	154.427	ug/l #	7
83) tert-Butylbenzene	12.99	119	129	Below Cal	#	25
95) Naphthalene	15.14	128	507	3.445	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	30	2.628	ug/l #	12

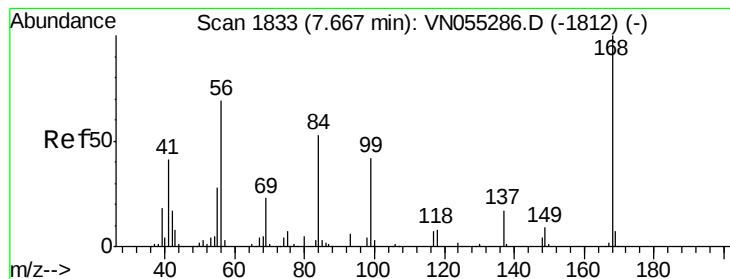
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050119\
Data File : VN055326.D
Acq On : 1 May 2019 13:53
Operator : JC/SP
Sample : I.BLK
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Quant Time: May 02 01:51:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 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: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

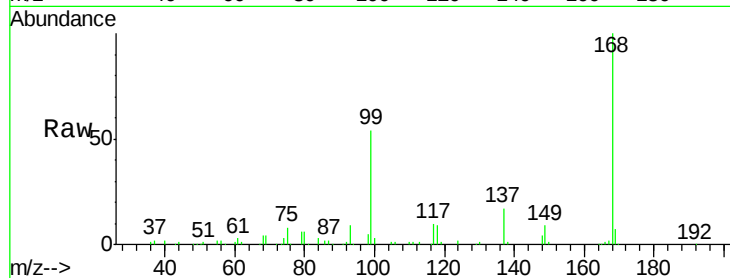
I.BLK

Tot Ion:168 Resp: 370682

Ion Ratio Lower Upper

168 100

99 54.4 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055326.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055326.D (-1740) (-)

7.67

150000

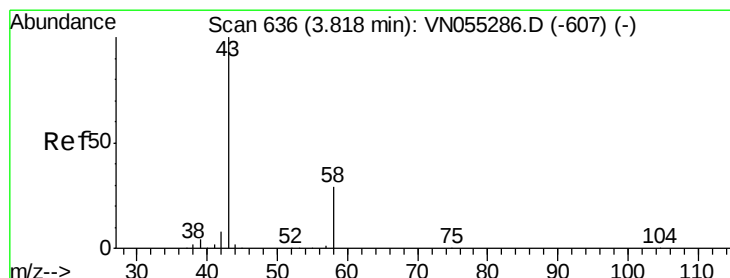
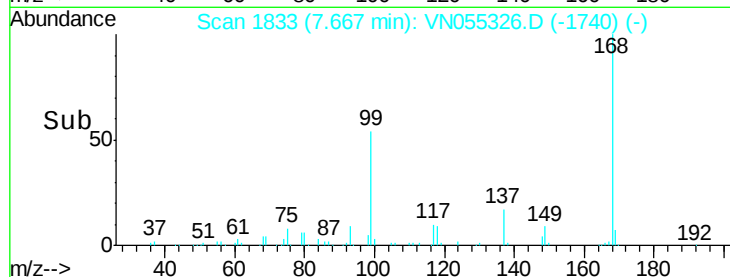
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.364 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055326.D

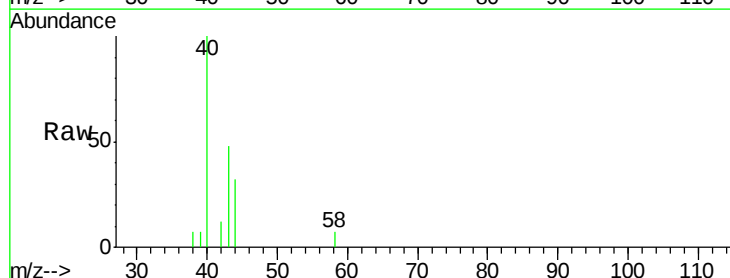
Acq: 1 May 2019 13:53

Tgt Ion: 43 Resp: 2061

Ion Ratio Lower Upper

43 100

58 15.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055326.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055326.D (-543) (-)

3.82

1500

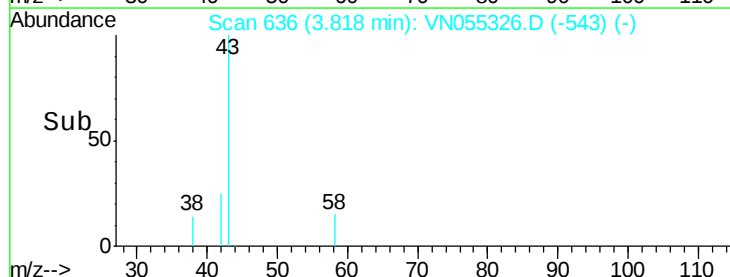
1000

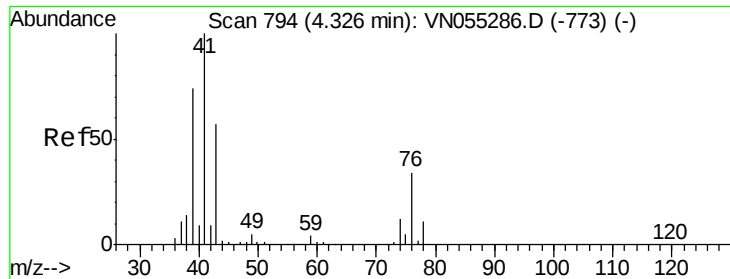
500

0

3.75 3.80

Time-->

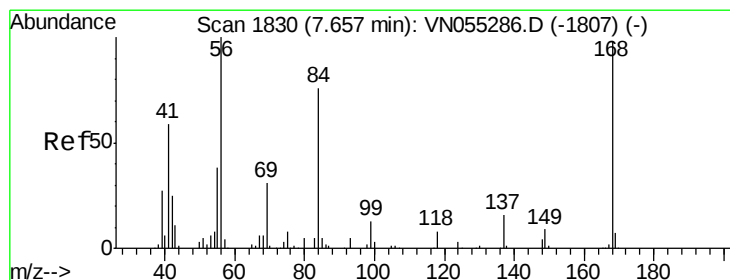
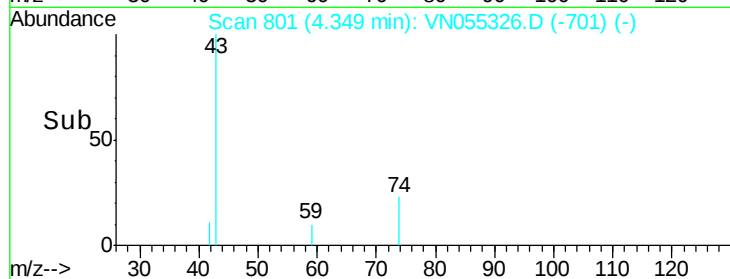
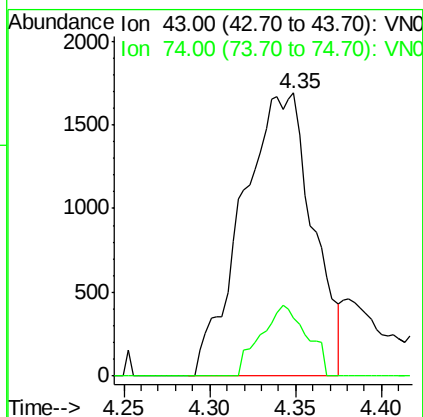
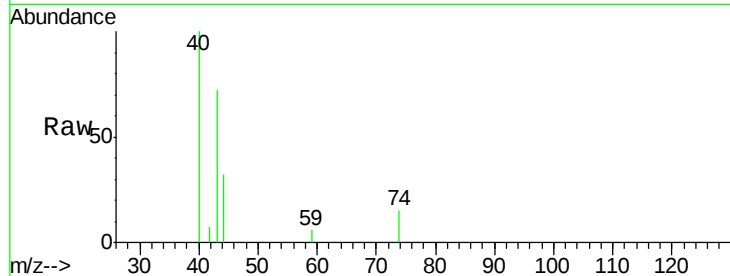




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 4.35 min Scan# 801
Delta R.T. 0.02 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

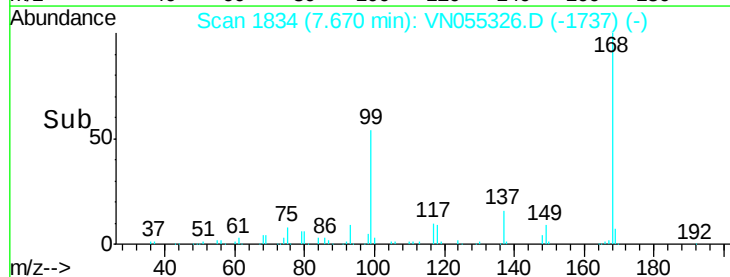
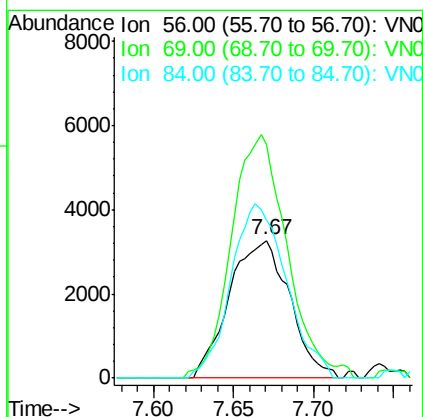
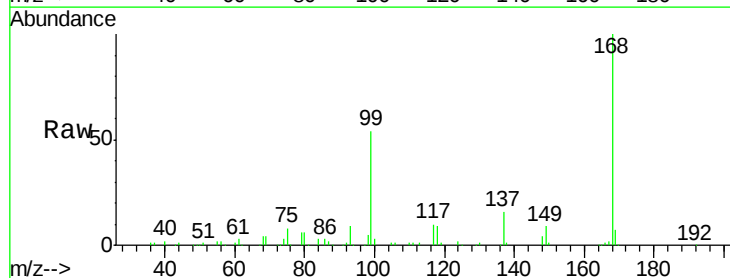
Instrument :
MSVOA_N
ClientSampled :
I.BLK

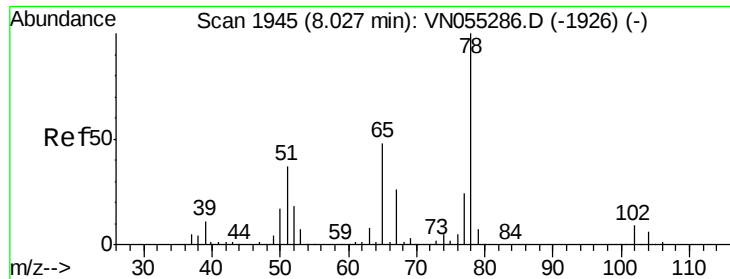
Tot Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
74 16.3 15.8 23.8



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

Tgt Ion: 56 Resp: 8470
Ion Ratio Lower Upper
56 100
69 164.4 25.2 37.8#
84 114.6 61.1 91.7#





#33

1,2-Dichloroethane-d4

Concen: 51.272 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

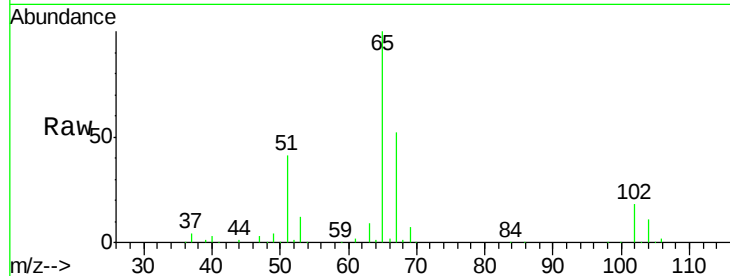
I.BLK

Tot Ion: 65 Resp: 248634

Ion Ratio Lower Upper

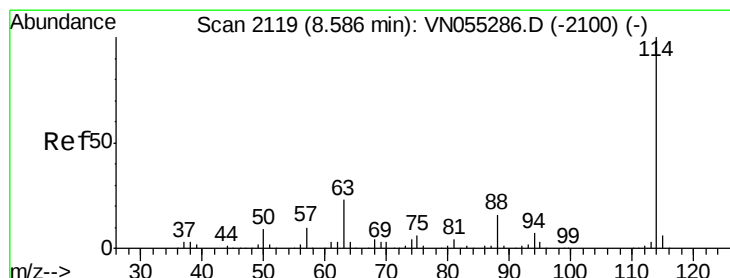
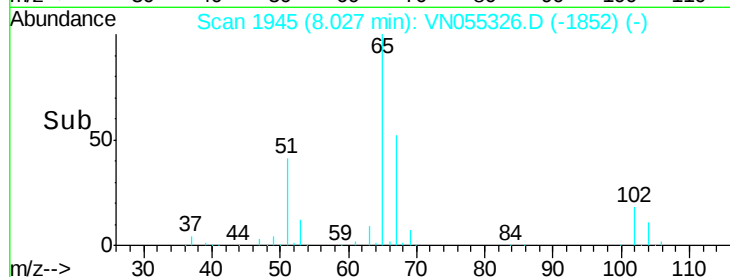
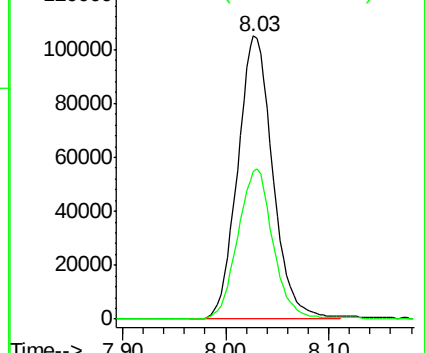
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055326.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055326.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

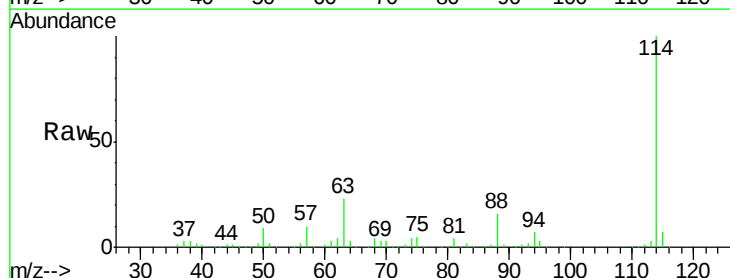
Tgt Ion: 114 Resp: 619161

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

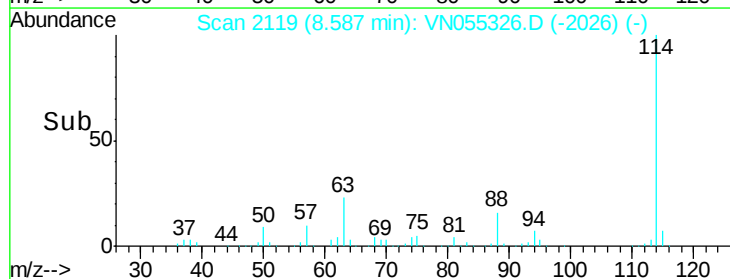
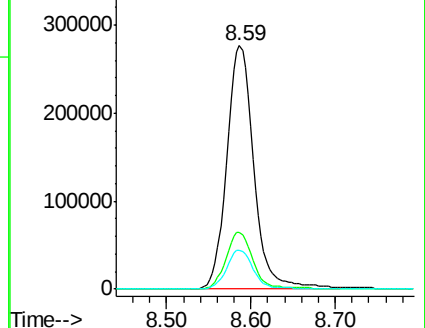
88 16.0 0.0 31.6

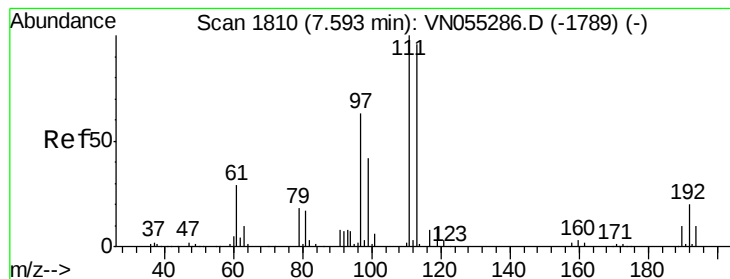


Abundance Ion 113.90 (113.60 to 114.60): VN055326.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055326.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055326.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 51.045 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

I.BLK

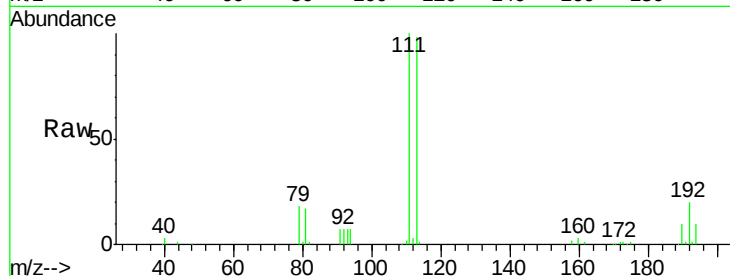
Tot Ion:113 Resp: 207444

Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

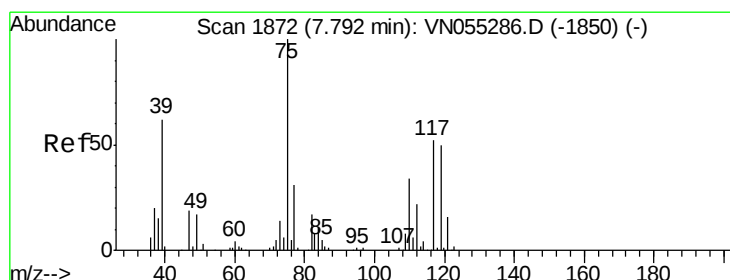
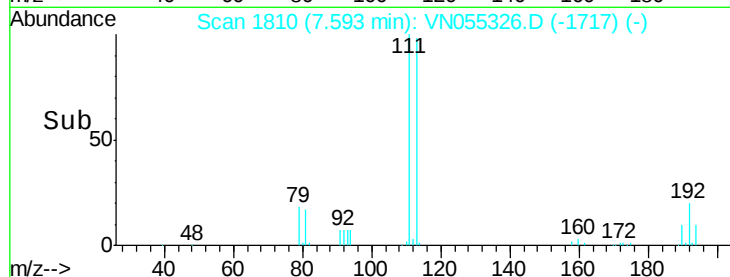
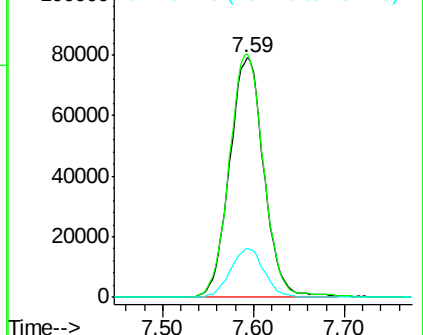
192 20.1 17.0 25.6



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



#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

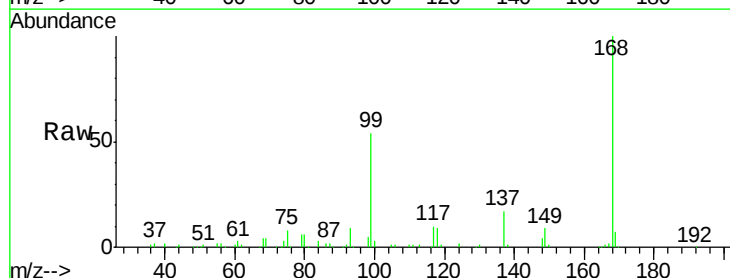
Tgt Ion: 75 Resp: 27880

Ion Ratio Lower Upper

75 100

110 8.7 16.8 50.4#

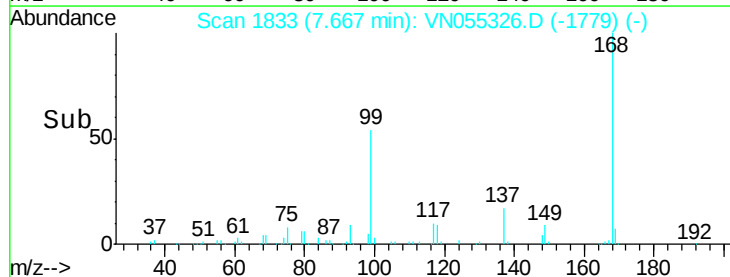
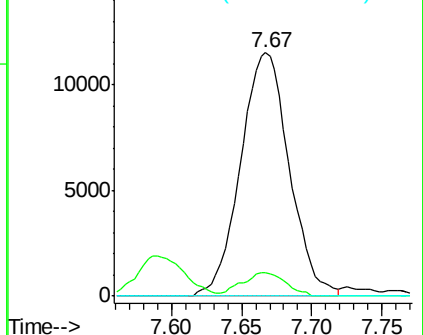
77 0.0 25.0 37.6#

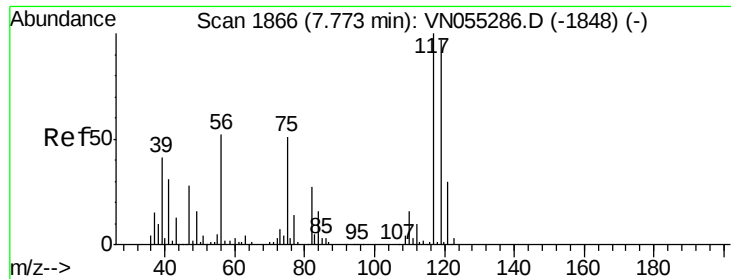


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.229 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

I.BLK

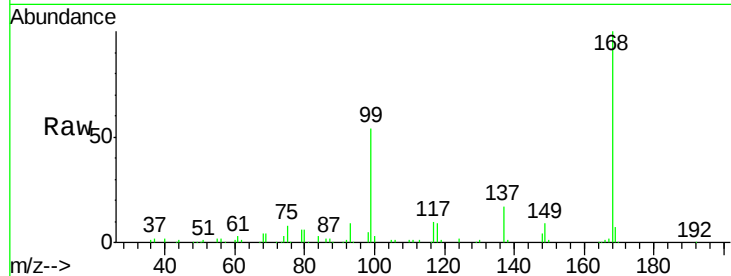
Tot Ion:117 Resp: 35637

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.6#

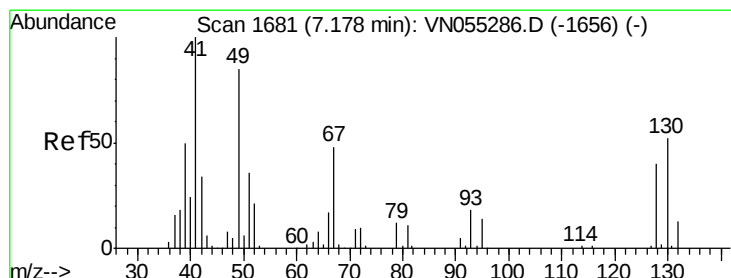
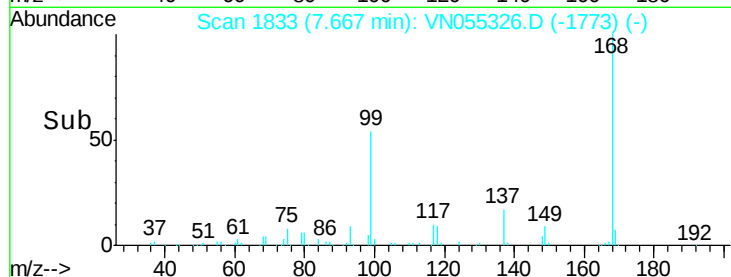
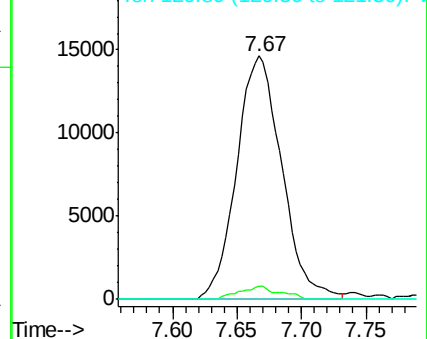
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 0.752 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.02 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Tgt Ion: 41 Resp: 29

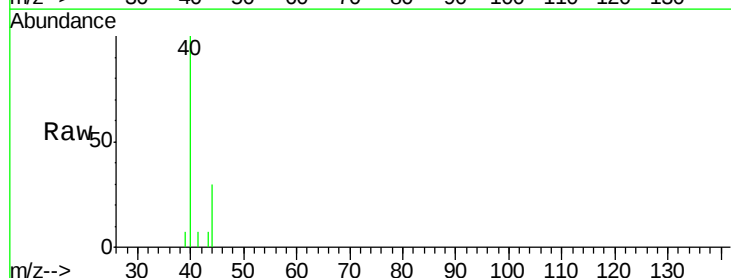
Ion Ratio Lower Upper

41 100

39 1044.8 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

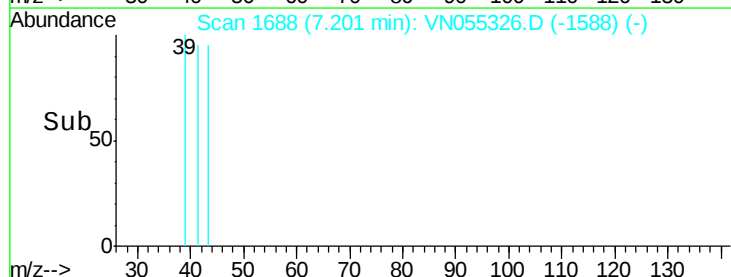
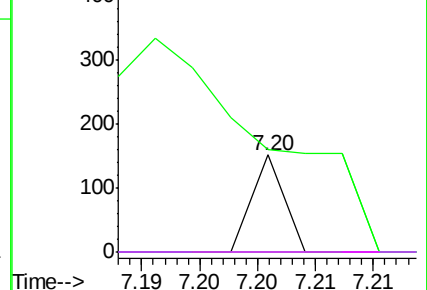


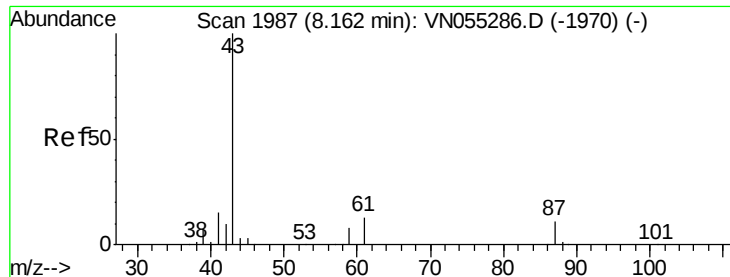
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.000 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

I.BLK

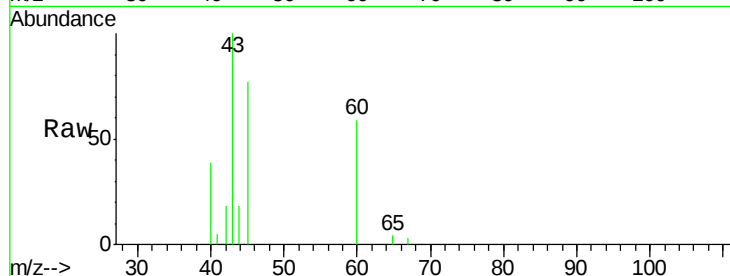
Tot Ion: 43 Resp: 14606

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

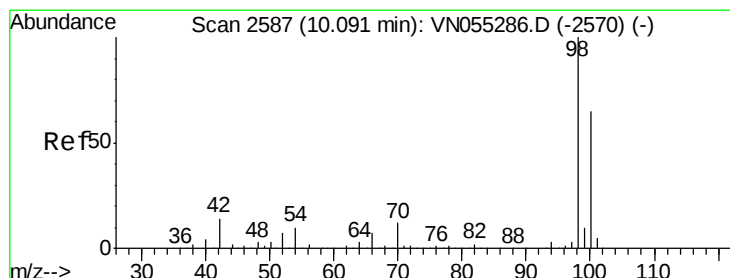
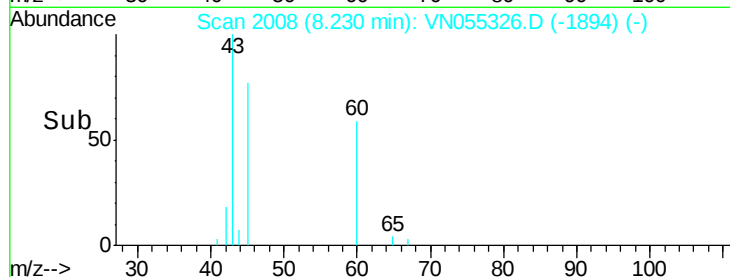
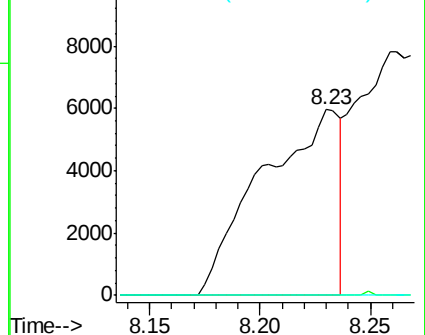
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 52.199 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055326.D

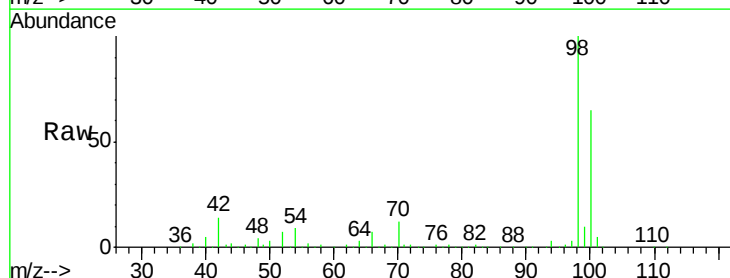
Acq: 1 May 2019 13:53

Tgt Ion: 98 Resp: 765989

Ion Ratio Lower Upper

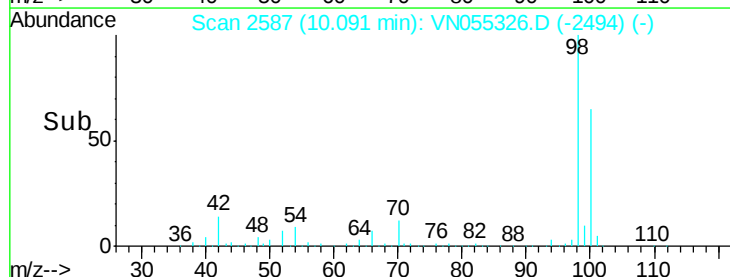
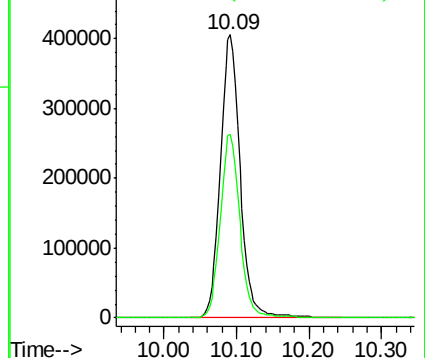
98 100

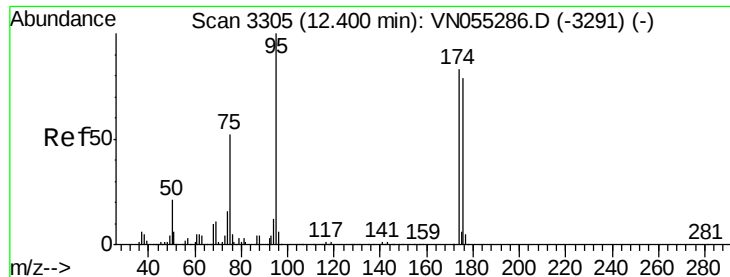
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

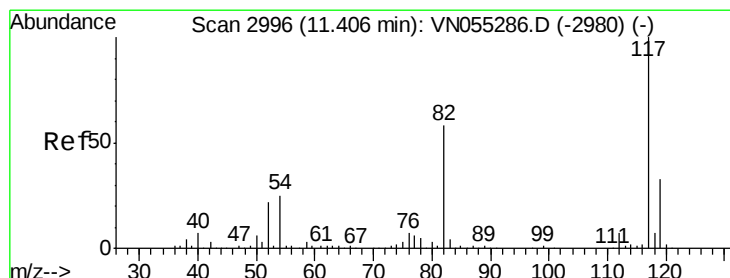
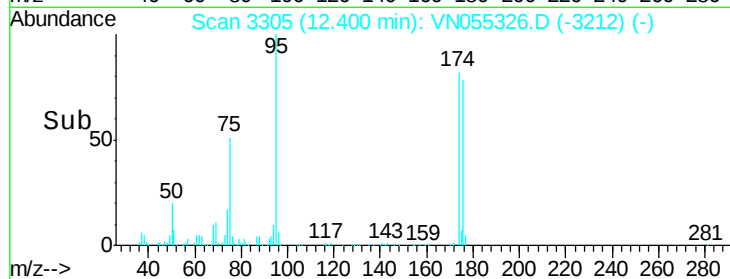
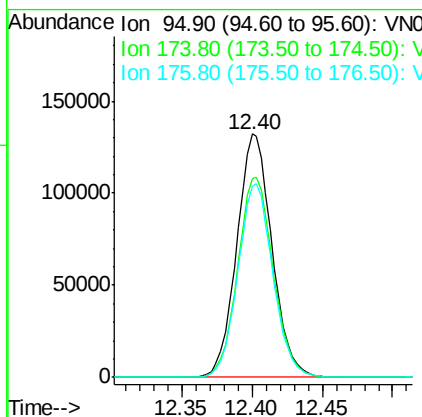
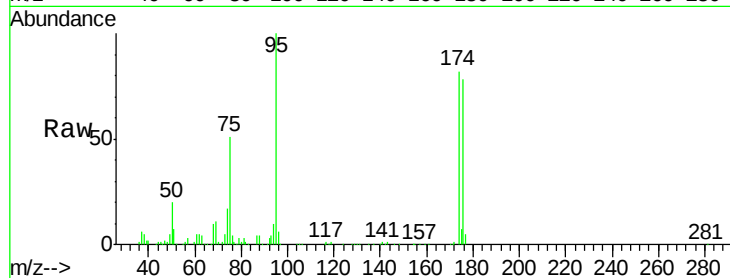




#62
4-Bromofluorobenzene
Concen: 50.371 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

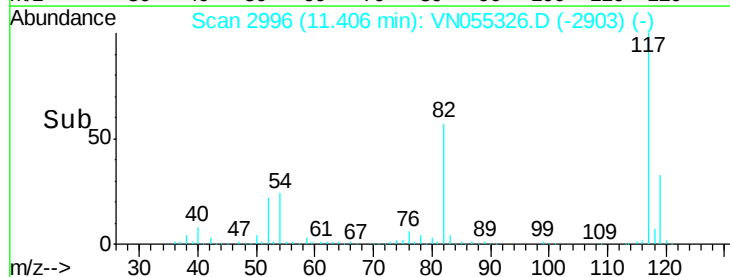
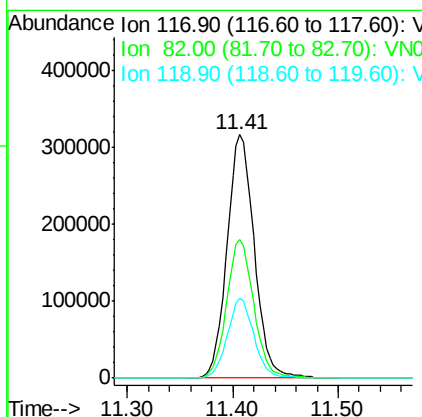
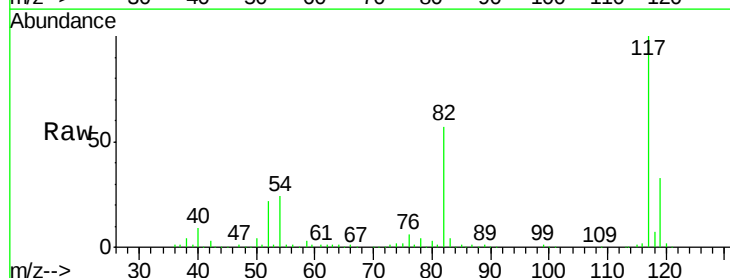
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

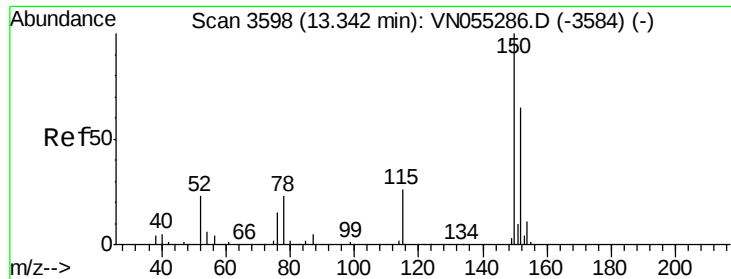
Tot Ion: 95 Resp: 231017
Ion Ratio Lower Upper
95 100
174 83.3 0.0 166.6
176 79.0 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

Tgt Ion: 117 Resp: 565714
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.6 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

I.BLK

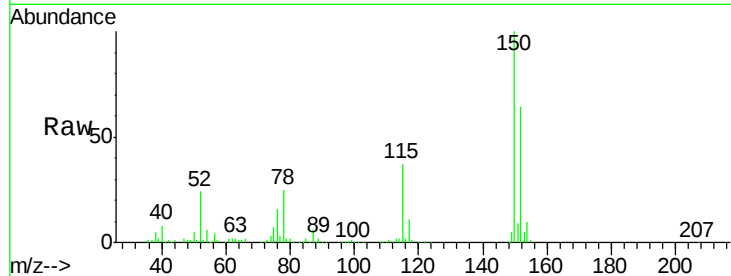
Tot Ion:152 Resp: 146318

Ion Ratio Lower Upper

152 100

115 57.5 29.0 87.0

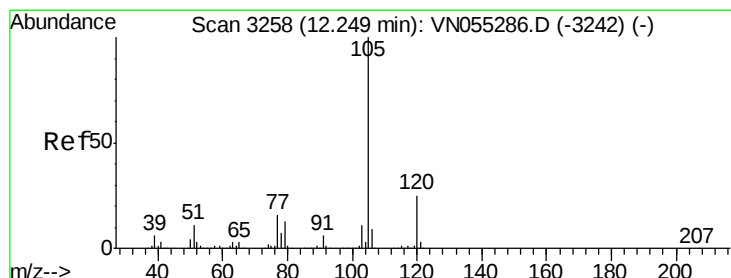
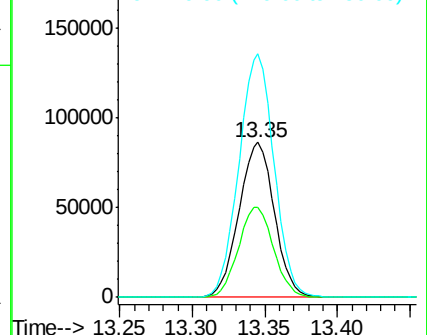
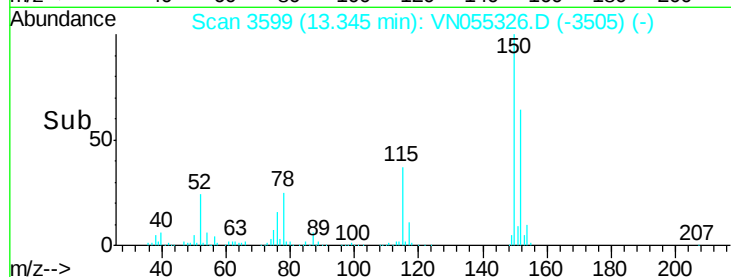
150 156.4 0.0 345.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055326.D

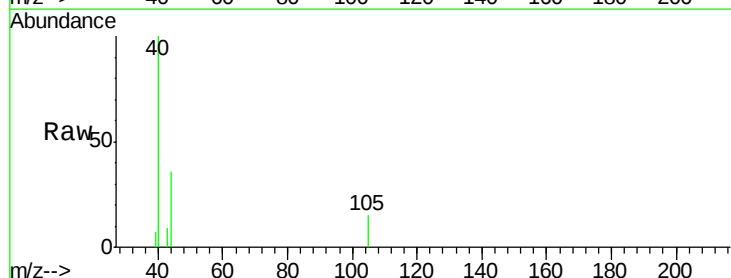
Acq: 1 May 2019 13:53

Tgt Ion:105 Resp: 254

Ion Ratio Lower Upper

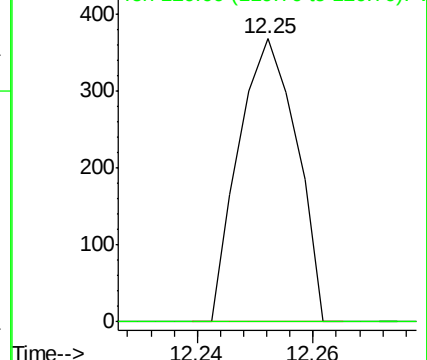
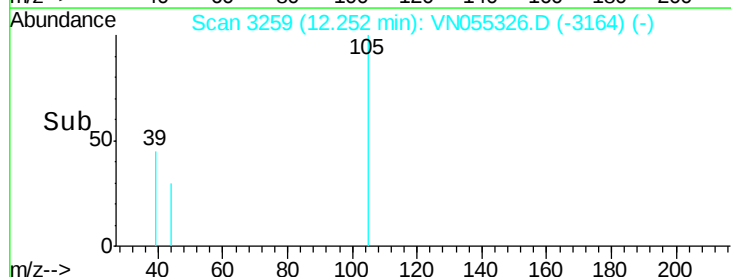
105 100

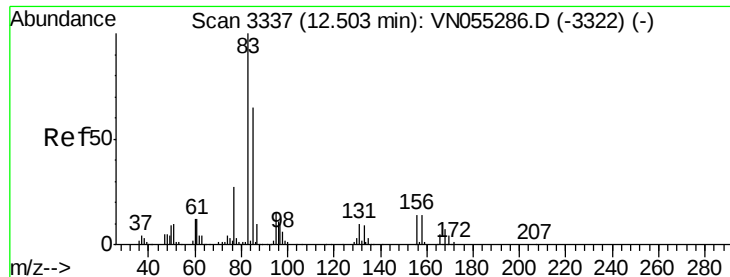
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

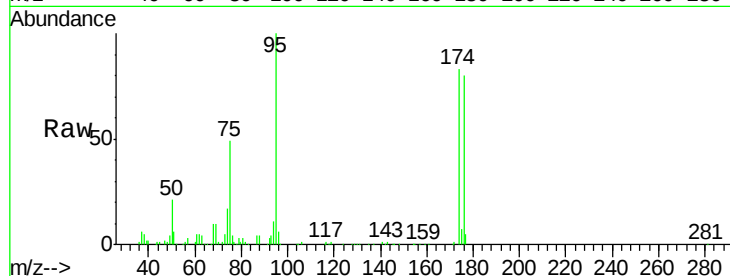
Tot Ion: 83 Resp: 62

Ion Ratio Lower Upper

83 100

131 403.2 5.1 15.2#

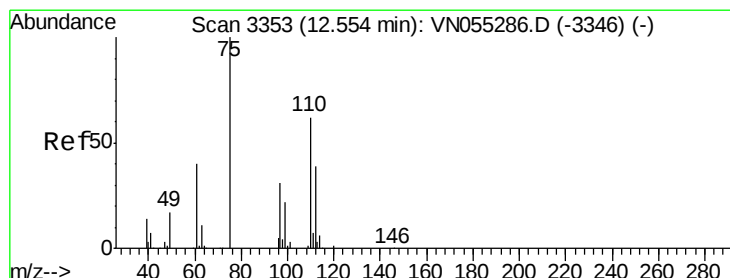
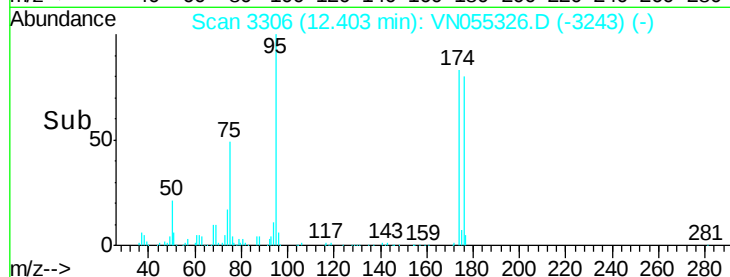
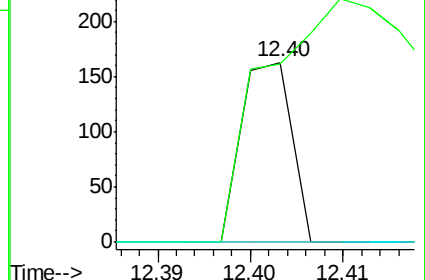
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.514 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055326.D

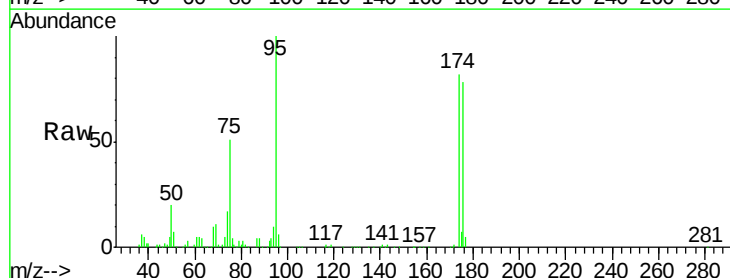
Acq: 1 May 2019 13:53

Tgt Ion: 75 Resp: 119233

Ion Ratio Lower Upper

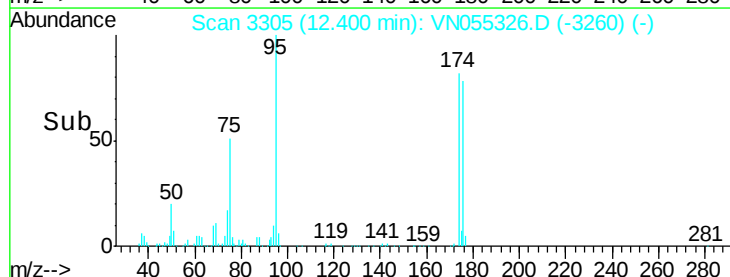
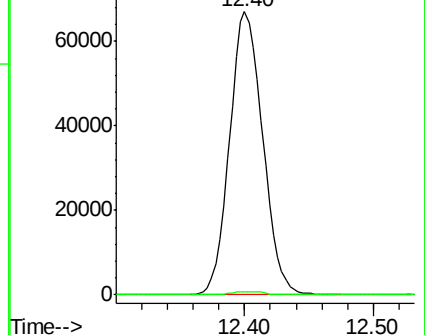
75 100

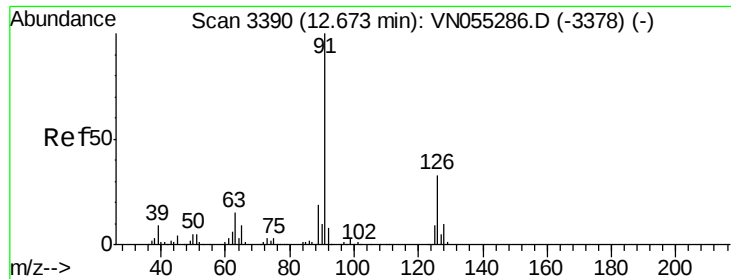
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

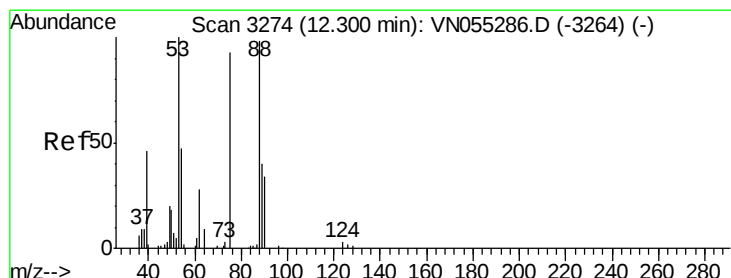
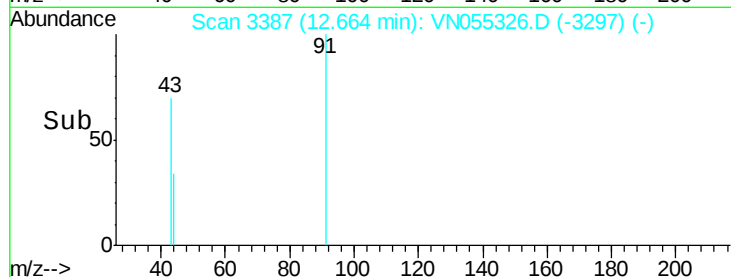
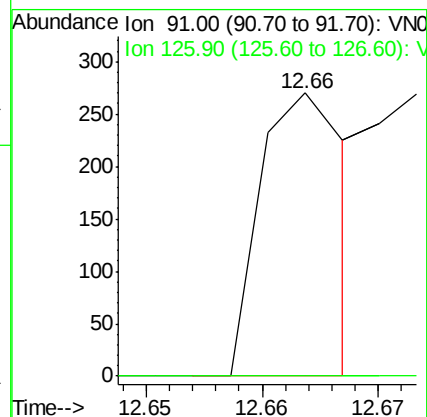
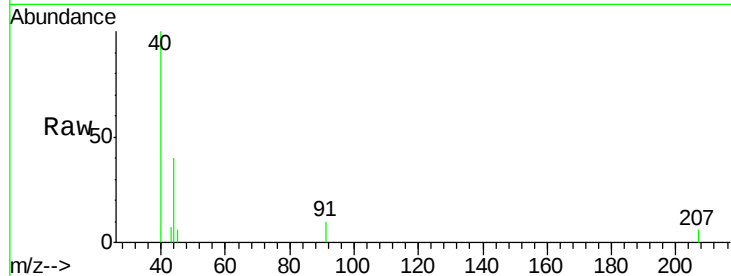
I.BLK

Tot Ion: 91 Resp: 140

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.427 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055326.D

Acq: 1 May 2019 13:53

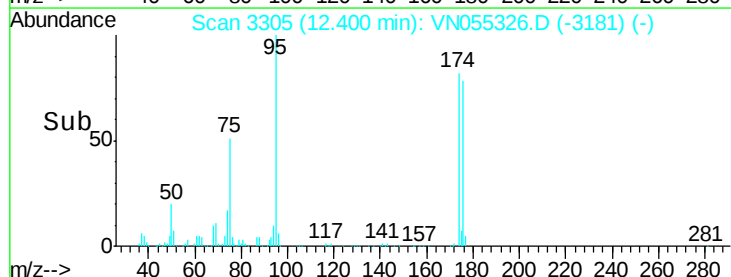
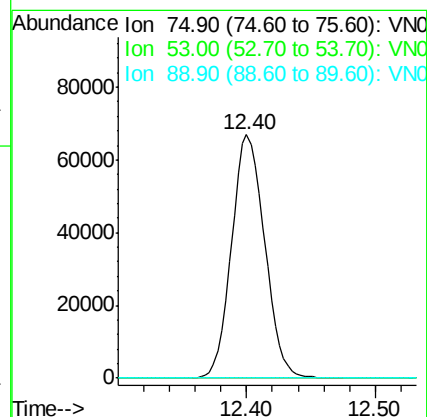
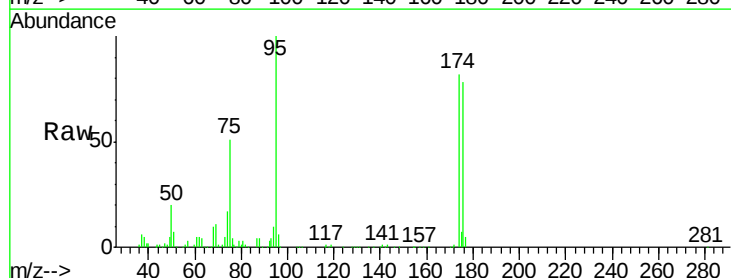
Tgt Ion: 75 Resp: 119233

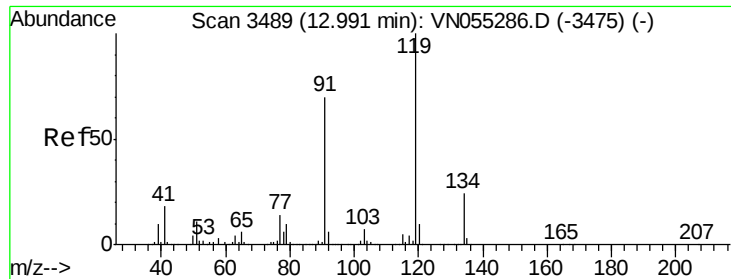
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.1 34.6 51.8#

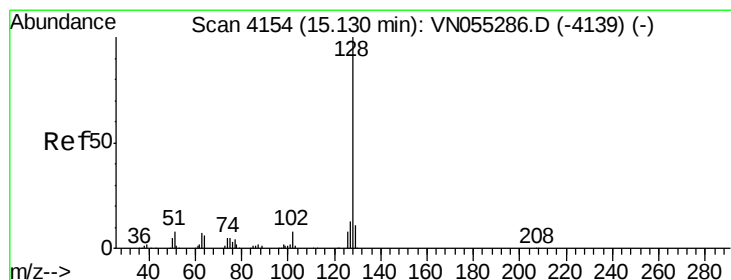
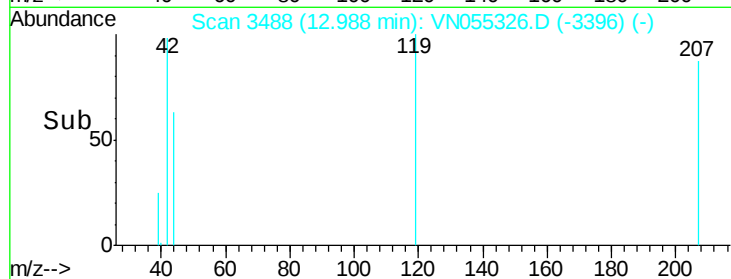
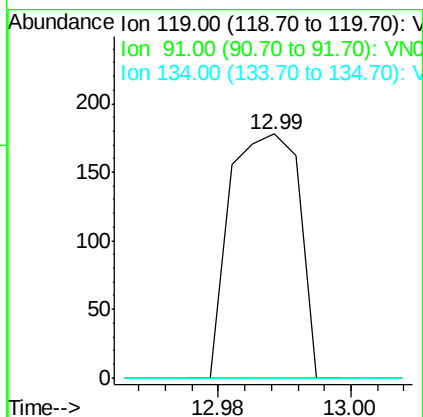
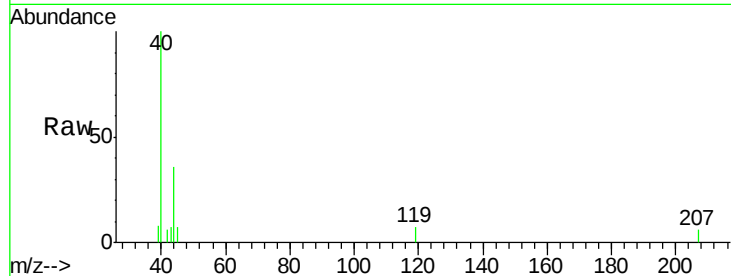




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

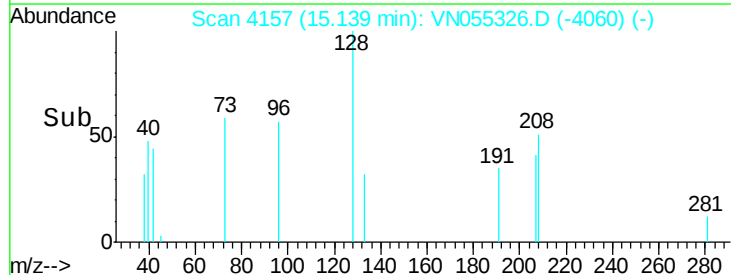
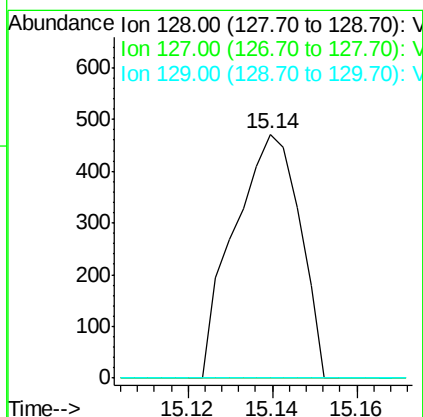
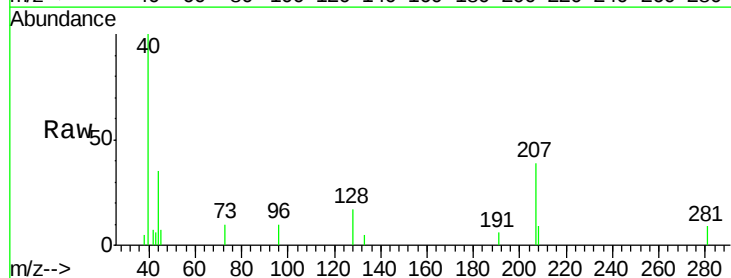
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

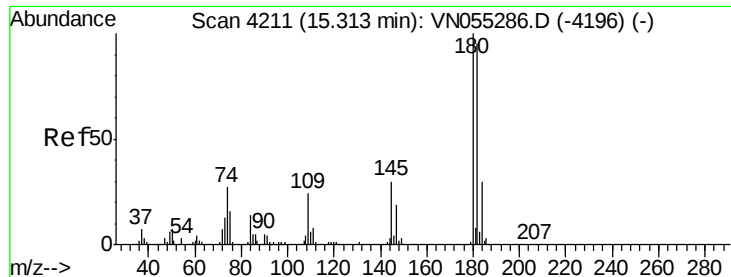
Tot Ion:119 Resp: 129
Ion Ratio Lower Upper
119 100
91 0.0 34.3 102.9#
134 0.0 13.1 39.3#



#95
Naphthalene
Concen: 3.445 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN055326.D
Acq: 1 May 2019 13:53

Tgt Ion:128 Resp: 507
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 13.0#

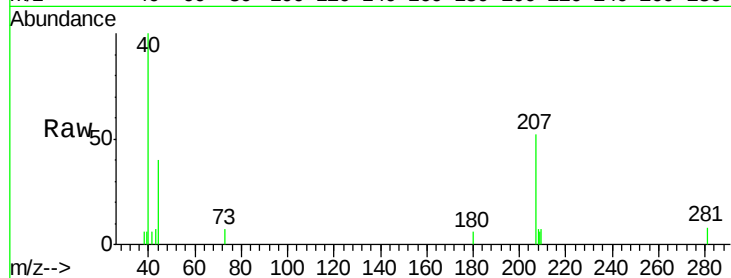




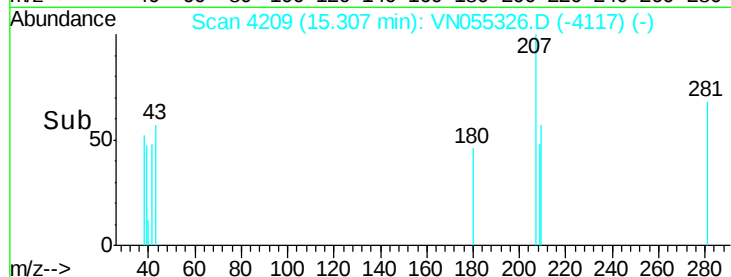
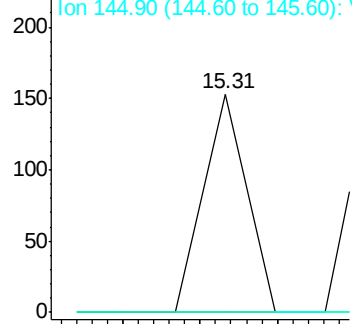
#96
 1,2,3-Trichlorobenzene
 Concen: 2.628 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN055326.D
 Acq: 1 May 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.3	144.9#
145	0.0	15.2	45.6#



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



Time-->