

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055418.D
 Acq On : 6 May 2019 16:14
 Operator : JC/SP
 Sample : K2639-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-050319-A

Quant Time: May 07 01:09:48 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	528810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	939821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	297199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375120	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.59	113	301473	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.09	98	1160025	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.40	95	402487	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	

Target Compounds

					Qvalue	
16) Acetone	3.83	43	14528	6.740	ug/l #	87
18) Methyl Acetate	4.34	43	2103	Below Cal	#	90
20) Methylene Chloride	4.55	84	14862	2.259	ug/l	96
29) Tetrahydrofuran	7.21	42	1023	0.580	ug/l #	62
30) Chloroform	7.37	83	4402	0.405	ug/l #	70
31) Cyclohexane	7.66	56	12040	1.106	ug/l #	17
36) 1,1-Dichloropropene	7.67	75	41184	4.575	ug/l #	50
38) Carbon Tetrachloride	7.67	117	49060	5.650	ug/l #	15
41) Methacrylonitrile	7.22	41	404	0.846	ug/l #	31
43) Isopropyl Acetate	8.17	43	12856	1.159	ug/l #	81
48) Methyl methacrylate	9.18	41	7116	1.306	ug/l #	18
49) 1,4-Dioxane	9.27	88	91	1.615	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4332	0.694	ug/l	96
54) cis-1,3-Dichloropropene	9.91	75	43356	4.463	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	8474	0.854	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	320	12.546	ug/l #	52
59) 2-Hexanone	10.76	43	139165	35.630	ug/l #	54
71) Bromoform	12.40	173	3590	0.957	ug/l #	1
73) Isopropylbenzene	12.25	105	1895	Below Cal		82
75) 1,1,2,2-Tetrachloroethane	12.50	83	202	Below Cal	#	41
76) 1,2,3-Trichloropropane	12.40	75	210867	37.544	ug/l #	100
77) Bromobenzene	12.52	156	465	Below Cal	#	71
79) 2-Chlorotoluene	12.67	91	1248	Below Cal		81
80) 1,3,5-Trimethylbenzene	12.73	105	5226	0.224	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	210867	134.458	ug/l #	7
83) tert-Butylbenzene	12.99	119	1025	Below Cal	#	74
89) n-Butylbenzene	13.61	91	3032	0.205	ug/l	98
90) Hexachloroethane	13.88	117	184	Below Cal	#	7
93) 1,2,4-Trichlorobenzene	14.91	180	1117	3.579	ug/l	96
94) Hexachlorobutadiene	15.01	225	751	Below Cal		77
95) Naphthalene	15.13	128	3460	3.719	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1449	2.971	ug/l	97

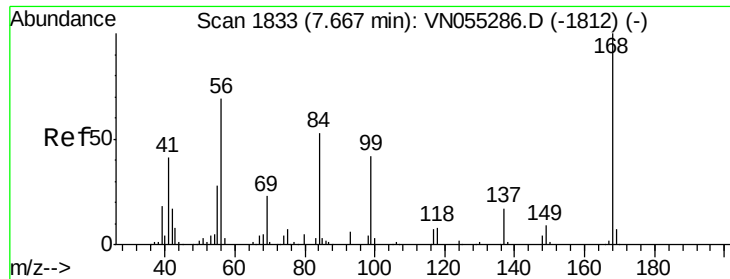
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
Data File : VN055418.D
Acq On : 6 May 2019 16:14
Operator : JC/SP
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Instrument :
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Quant Time: May 07 01:09:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
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)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

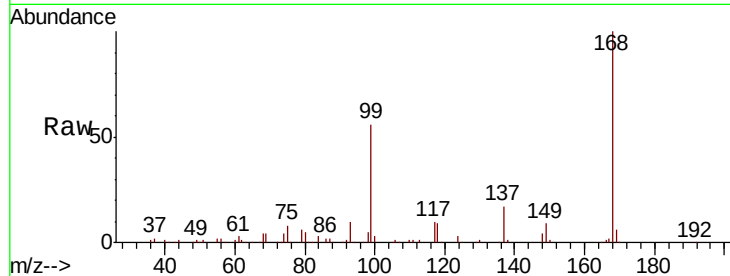
NB-08-050319-A

Tot Ion:168 Resp: 528810

Ion Ratio Lower Upper

168 100

99 55.7 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055418.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055418.D (-1740) (-)

7.67

250000

200000

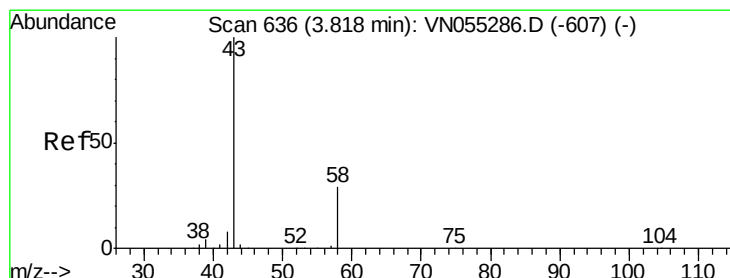
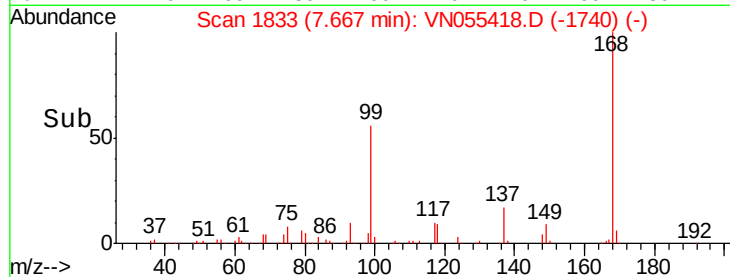
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.740 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055418.D

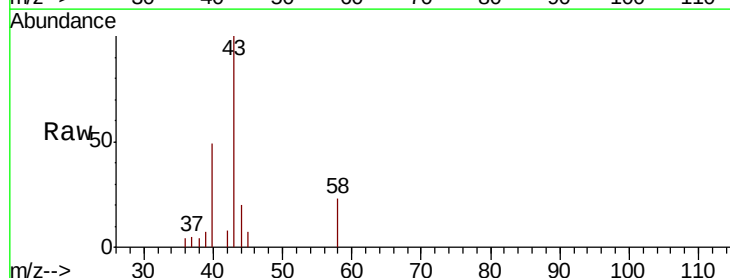
Acq: 6 May 2019 16:14

Tgt Ion: 43 Resp: 14528

Ion Ratio Lower Upper

43 100

58 22.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055418.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055418.D (-543) (-)

3.83

6000

5000

4000

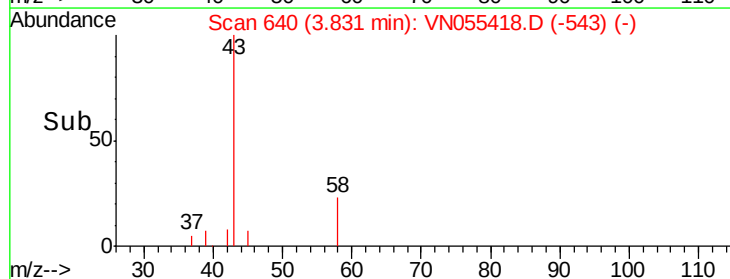
3000

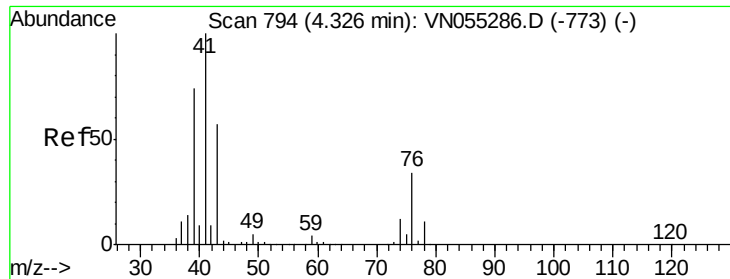
2000

1000

0

Time-->

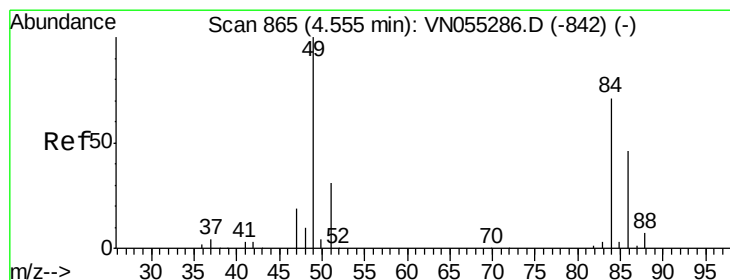
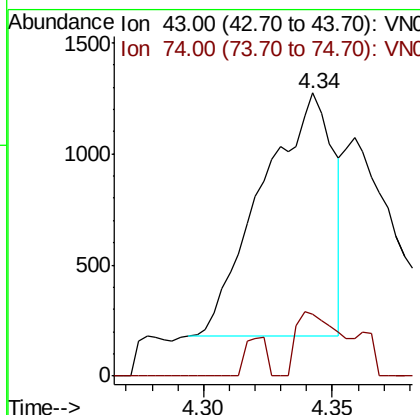
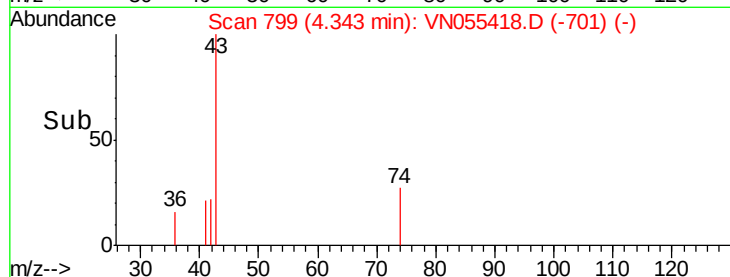
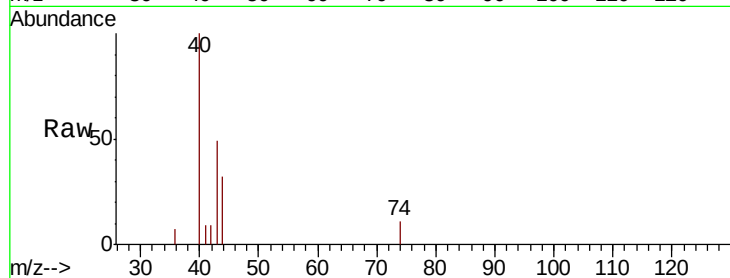




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

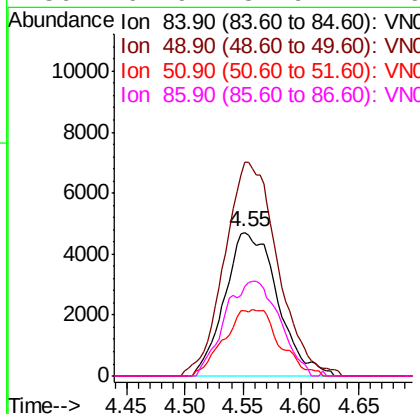
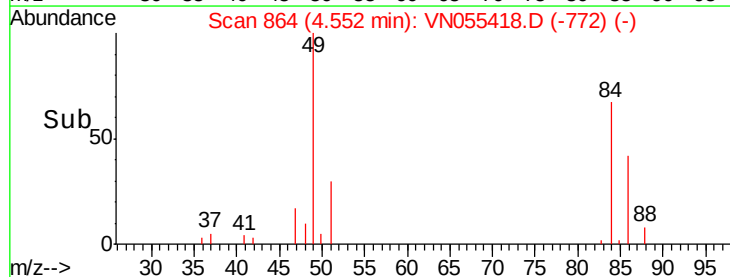
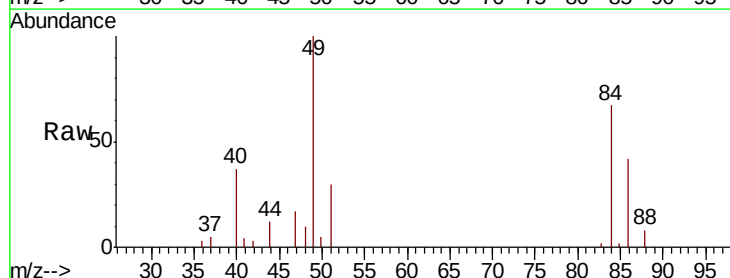
Instrument :
MSVOA_N
ClientSampleId :
NB-08-050319-A

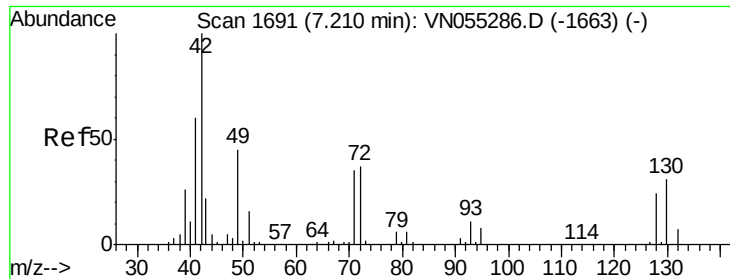
Tot Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
74 15.1 15.8 23.8#



#20
Methylene Chloride
Concen: 2.259 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

Tgt Ion: 84 Resp: 14862
Ion Ratio Lower Upper
84 100
49 144.9 112.4 168.6
51 45.3 34.6 51.8
86 61.9 51.9 77.9

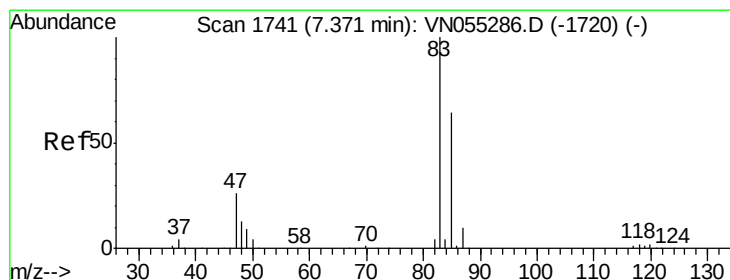
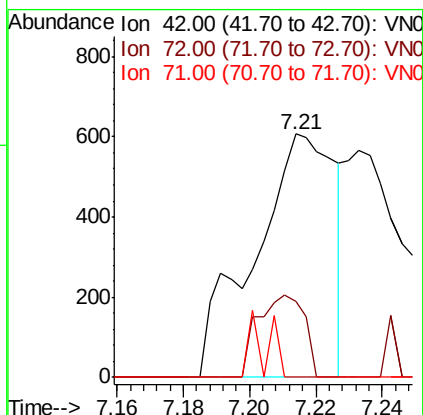
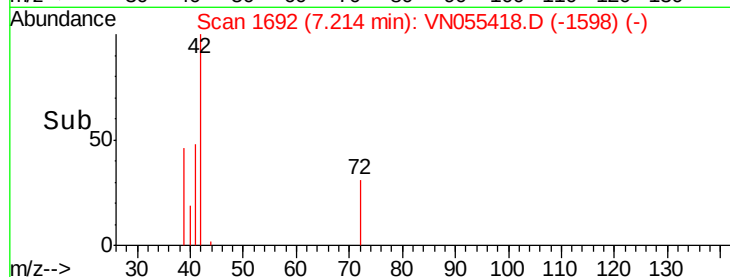
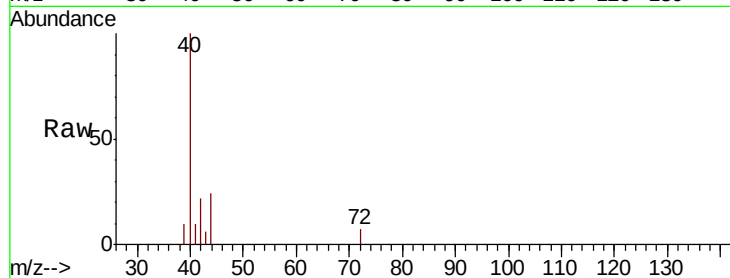




#29
Tetrahydrofuran
Concen: 0.580 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

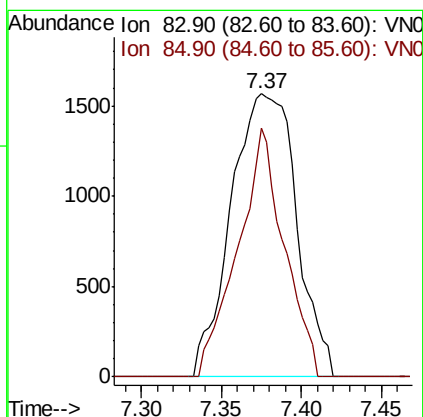
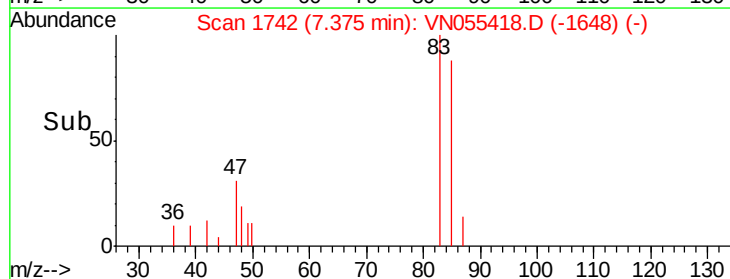
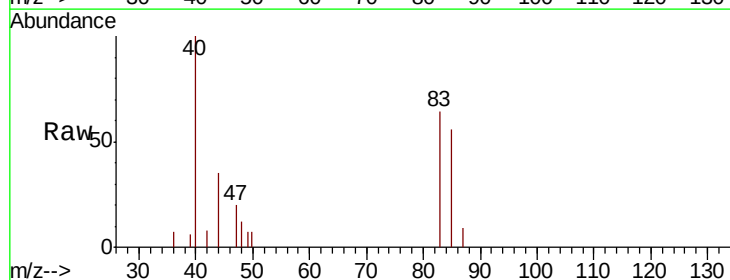
Instrument :
MSVOA_N
ClientSampleId :
NB-08-050319-A

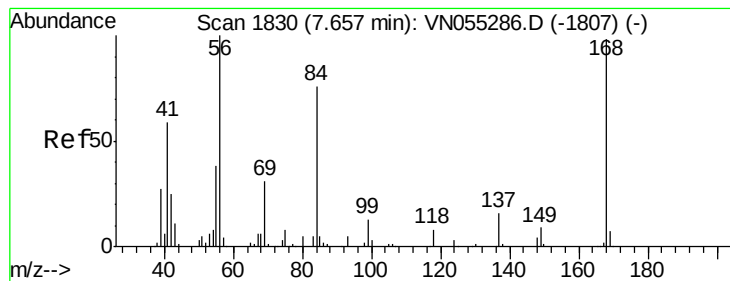
Tot Ion: 42 Resp: 1023
Ion Ratio Lower Upper
42 100
72 19.5 29.0 43.6#
71 6.1 27.1 40.7#



#30
Chloroform
Concen: 0.405 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

Tgt Ion: 83 Resp: 4402
Ion Ratio Lower Upper
83 100
85 87.8 51.4 77.2#





#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

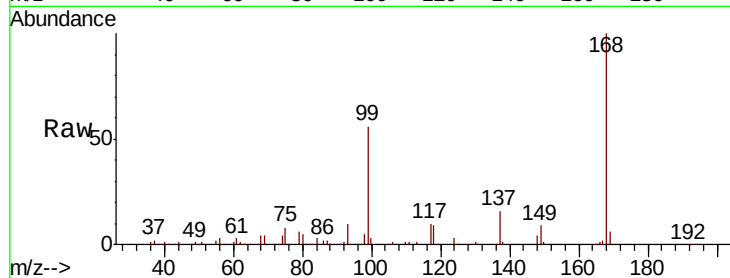
Tot Ion: 56 Resp: 12040

Ion Ratio Lower Upper

56 100

69 147.9 25.2 37.8#

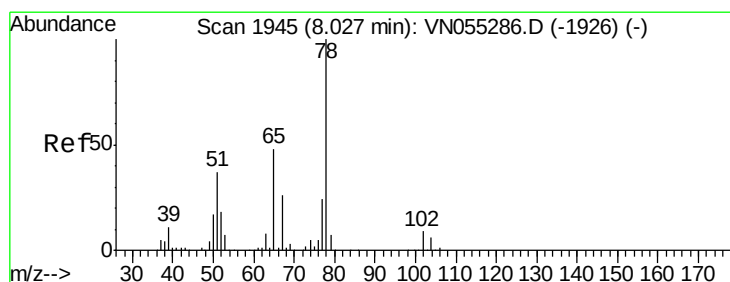
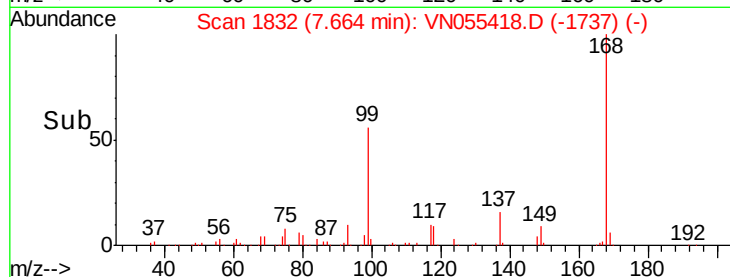
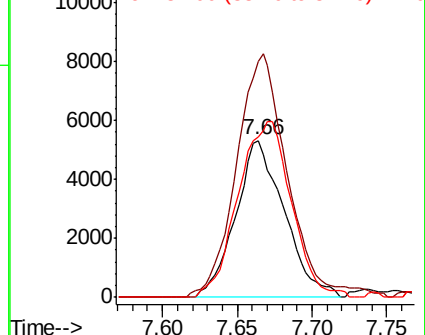
84 102.2 61.1 91.7#



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: 54.224 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055418.D

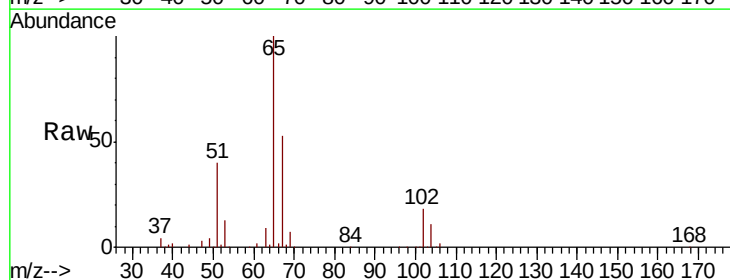
Acq: 6 May 2019 16:14

Tgt Ion: 65 Resp: 375120

Ion Ratio Lower Upper

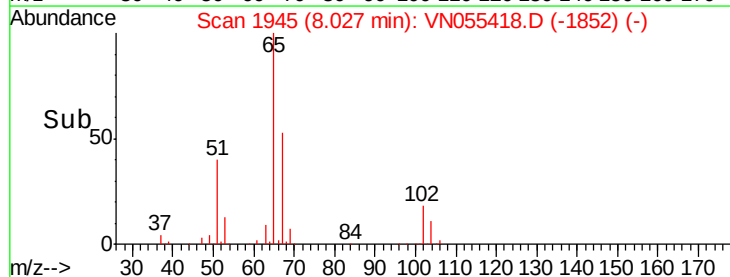
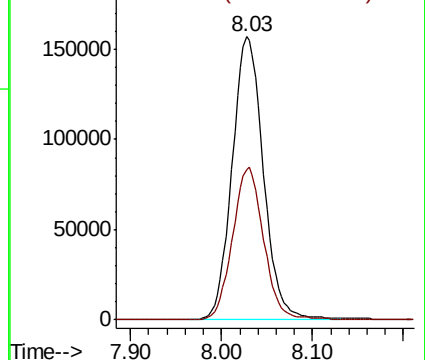
65 100

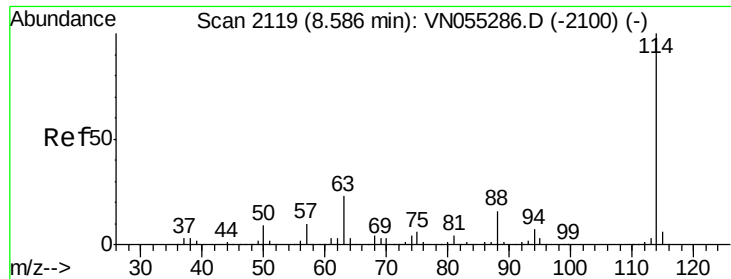
67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

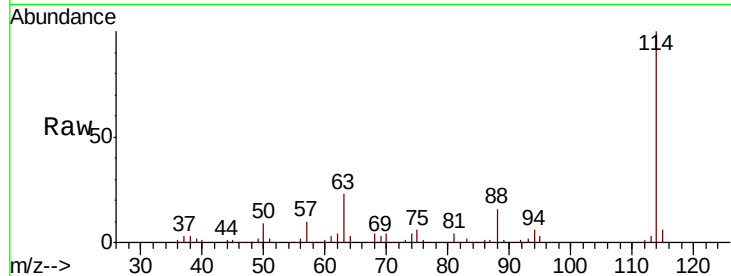




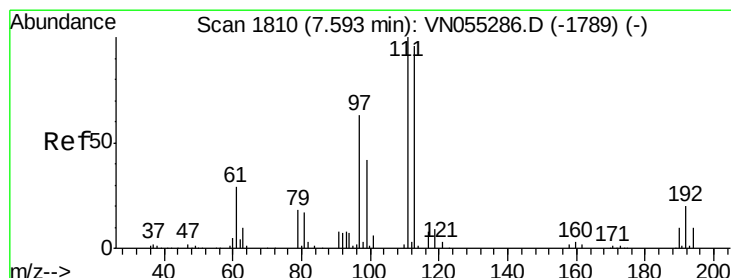
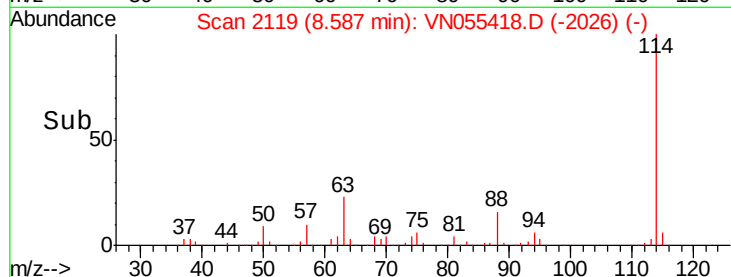
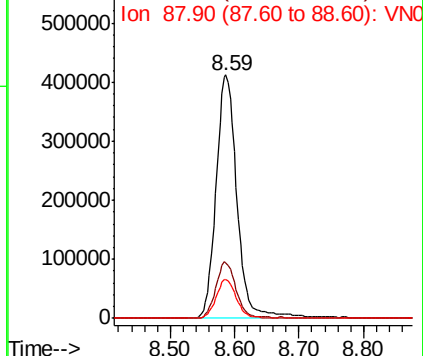
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055418.D
 Acq: 6 May 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-050319-A

Tot Ion:114 Resp: 939821
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 16.0 0.0 31.6

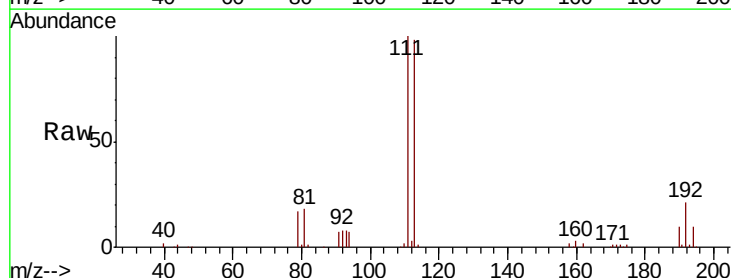


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

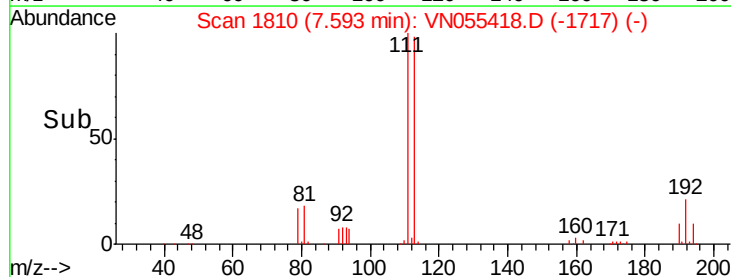
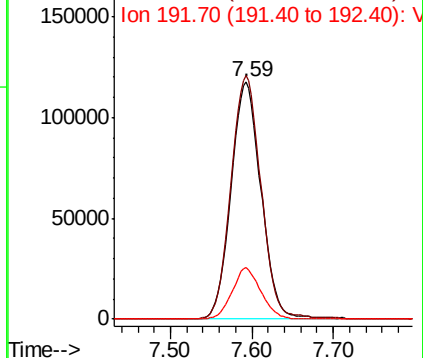


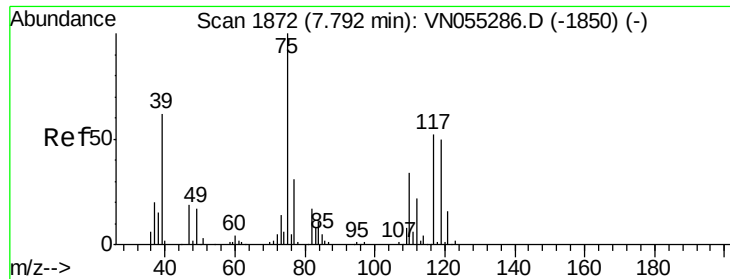
#35
 Dibromofluoromethane
 Concen: 48.872 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055418.D
 Acq: 6 May 2019 16:14

Tgt Ion:113 Resp: 301473
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 20.8 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: 4.575 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

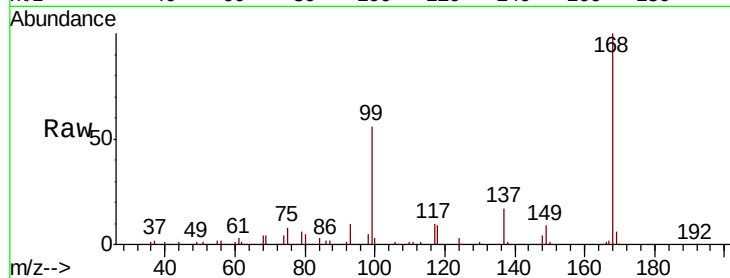
Tot Ion: 75 Resp: 41184

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

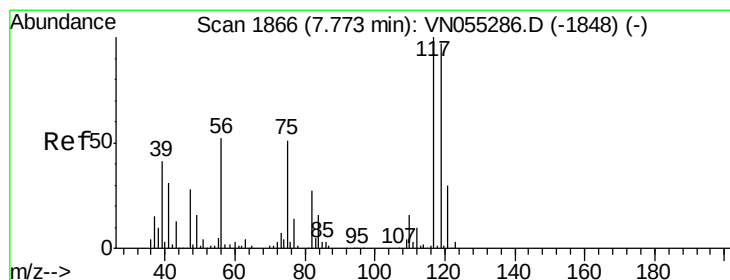
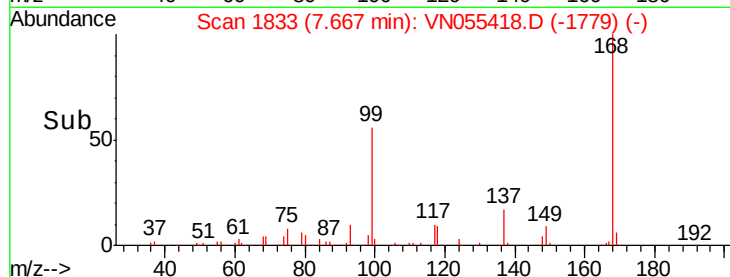
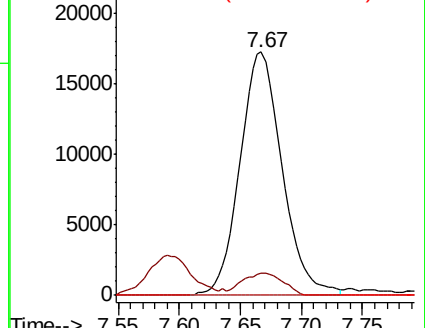
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055418.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055418.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055418.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.650 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

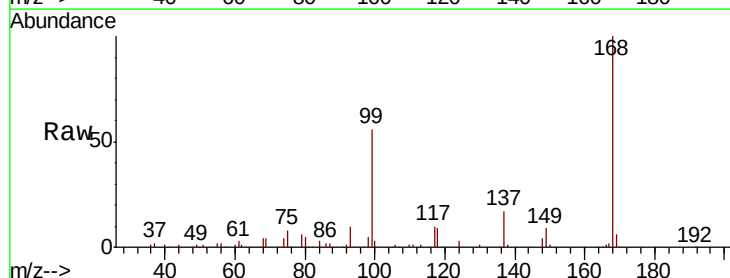
Tgt Ion: 117 Resp: 49060

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

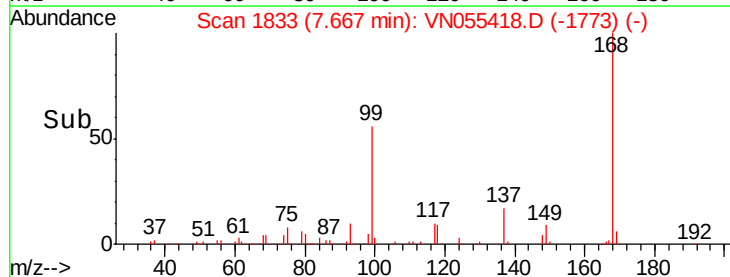
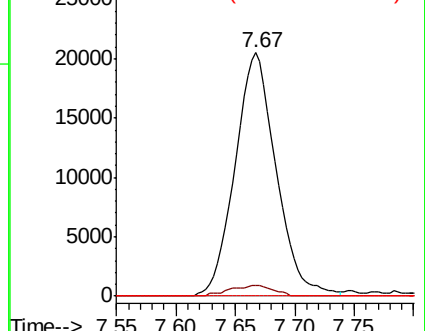
121 0.0 23.8 35.8#

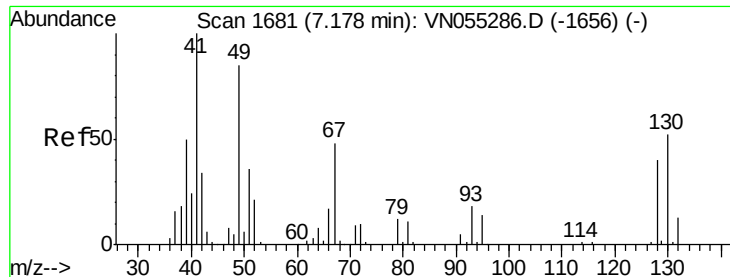


Abundance Ion 116.80 (116.50 to 117.50): VN055418.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055418.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055418.D (-1773) (-)

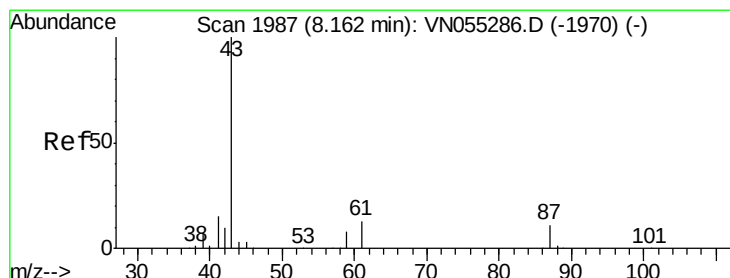
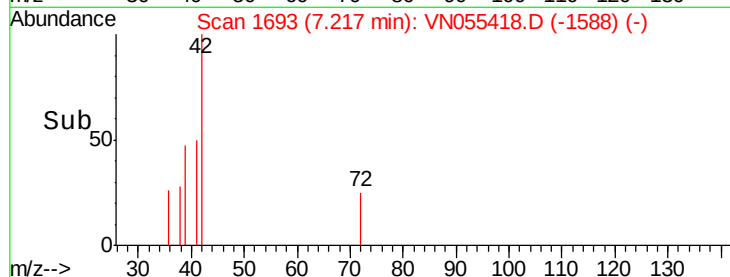
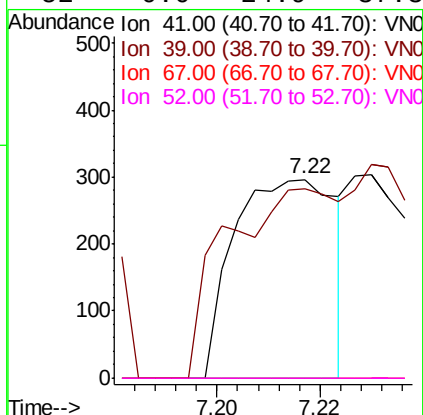
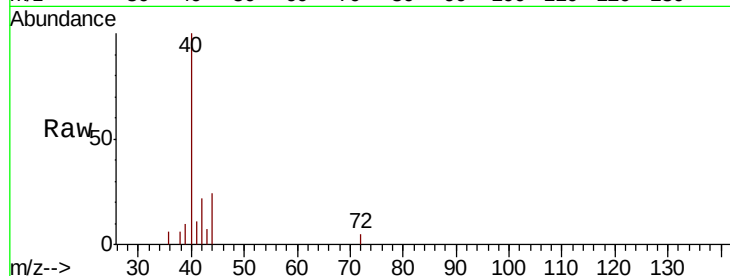




#41
Methacrylonitrile
Concen: 0.846 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

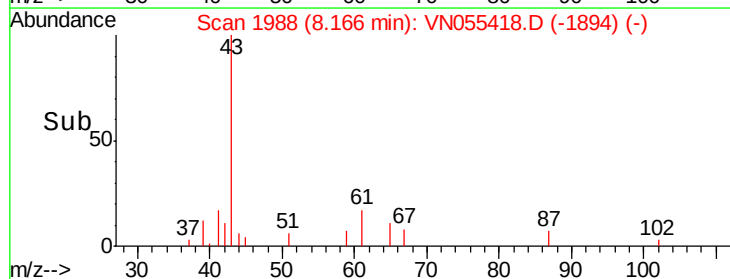
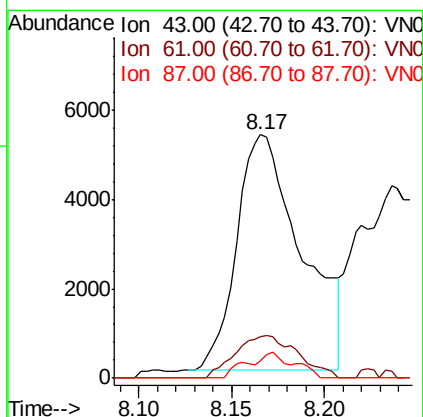
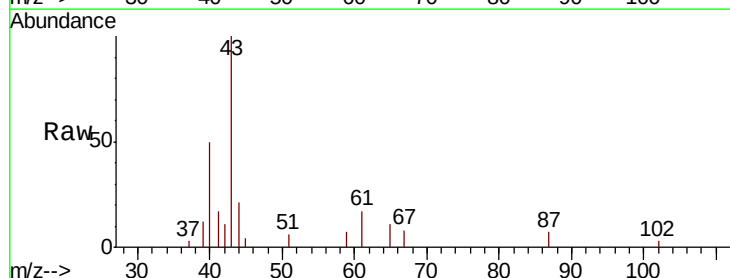
Instrument :
MSVOA_N
ClientSampled :
NB-08-050319-A

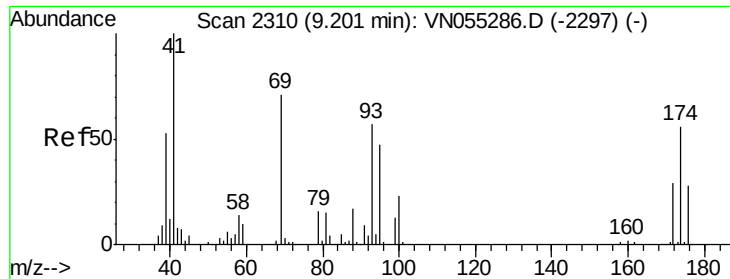
Tot Ion:	41	Resp:	404
Ion	Ratio	Lower	Upper
41	100		
39	104.7	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 1.159 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

Tgt Ion:	43	Resp:	12856
Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.8	31.2#
87	1.9	8.5	12.7#

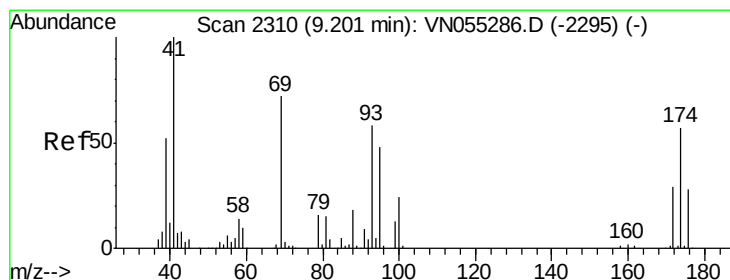
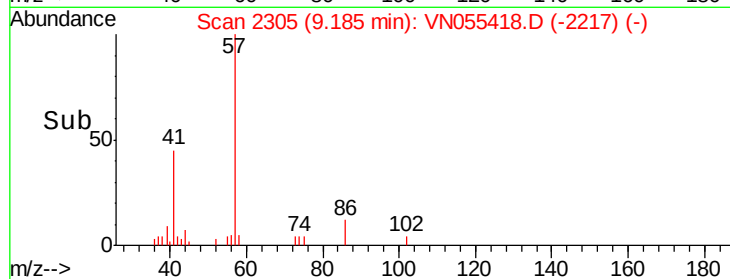
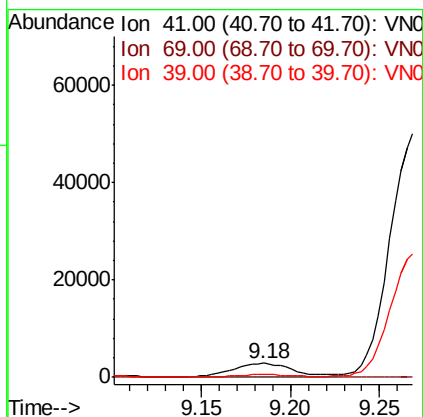
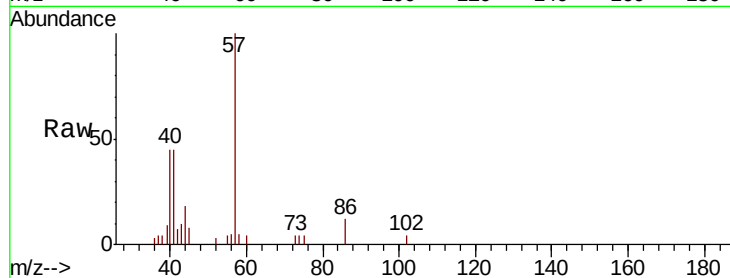




#48
Methyl methacrylate
Concen: 1.306 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

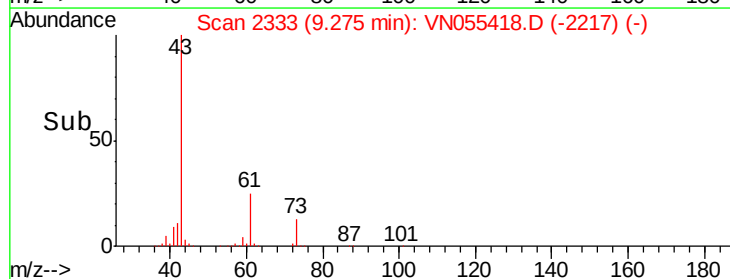
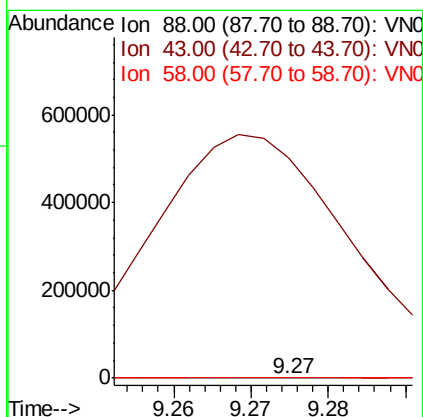
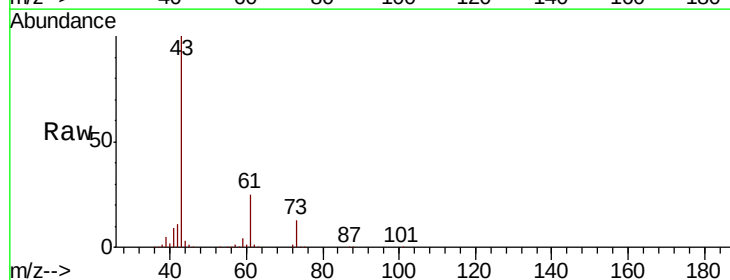
Instrument :
MSVOA_N
ClientSampleId :
NB-08-050319-A

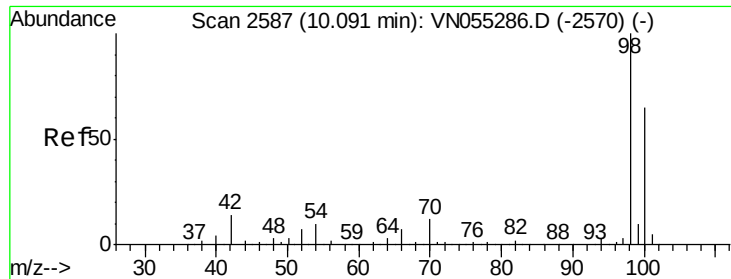
Tot Ion: 41 Resp: 7116
Ion Ratio Lower Upper
41 100
69 0.0 58.6 87.8#
39 0.0 43.8 65.6#



#49
1,4-Dioxane
Concen: 1.615 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN055418.D
Acq: 6 May 2019 16:14

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 1186563.7 33.3 49.9#
58 5065.9 62.7 94.1#





#50

Toluene-d8

Concen: 52.079 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

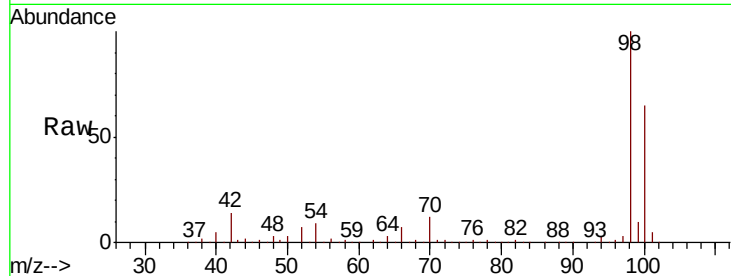
NB-08-050319-A

Tot Ion: 98 Resp: 1160025

Ion Ratio Lower Upper

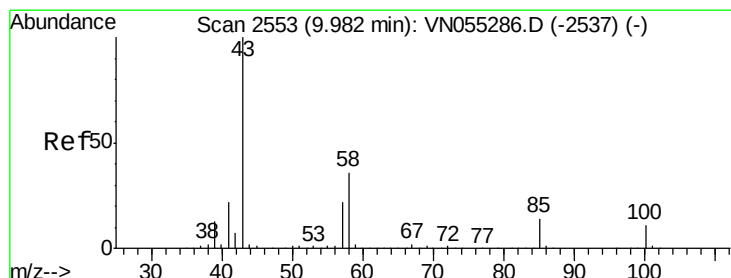
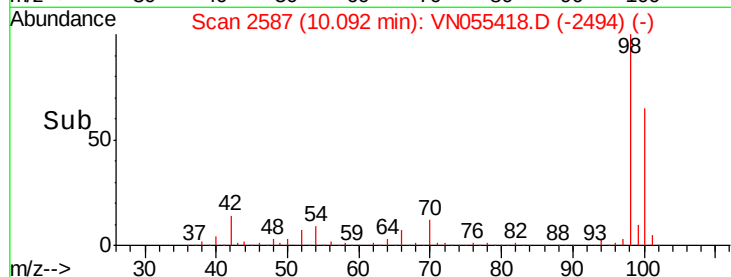
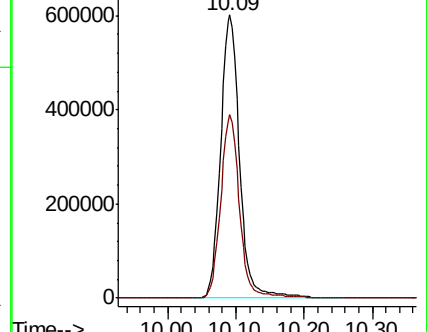
98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.694 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055418.D

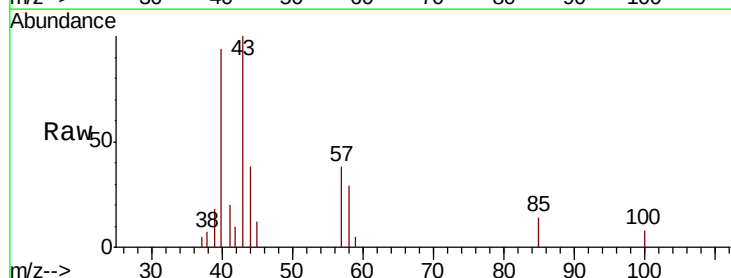
Acq: 6 May 2019 16:14

Tgt Ion: 43 Resp: 4332

Ion Ratio Lower Upper

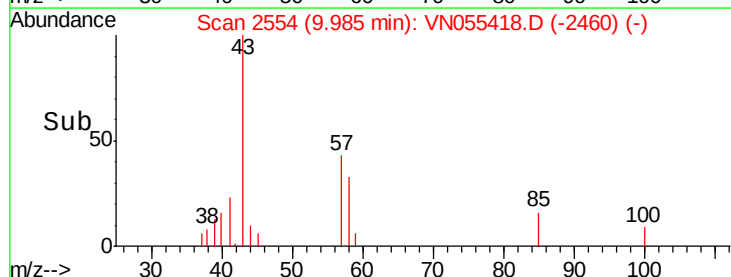
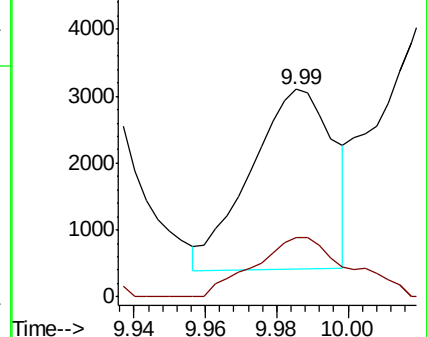
43 100

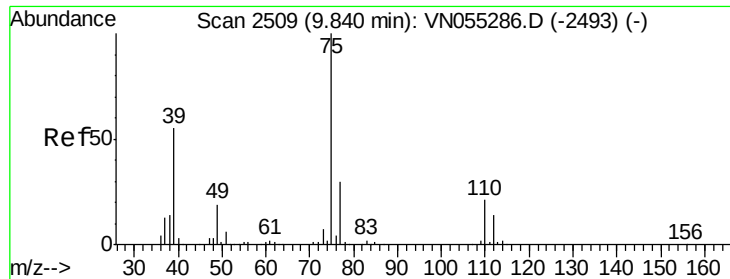
58 37.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 4.463 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

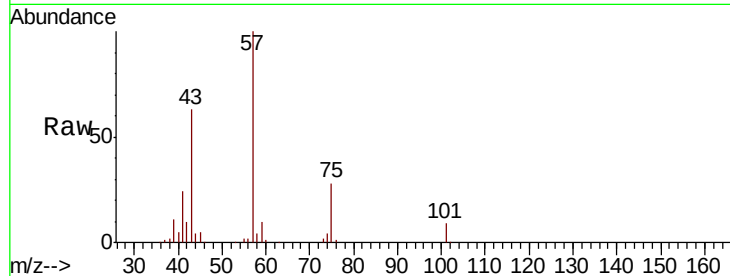
Tot Ion: 75 Resp: 43356

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

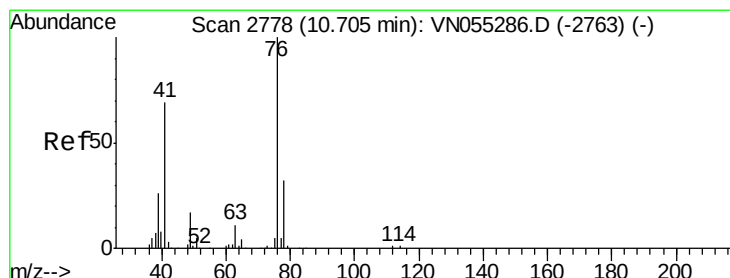
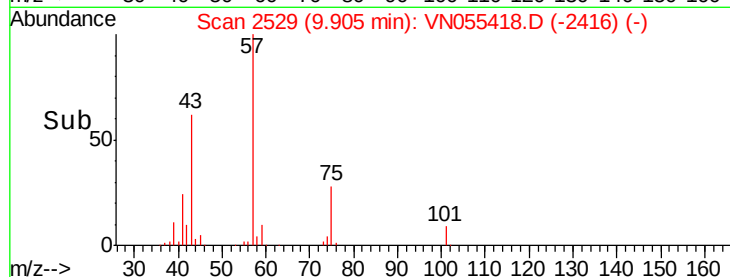
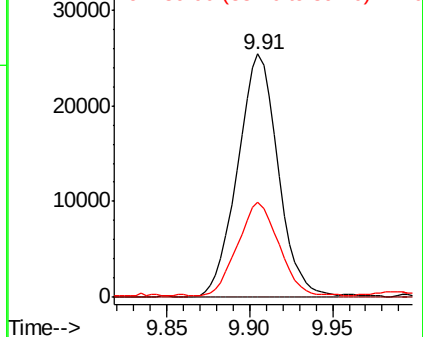
39 38.3 44.2 66.2#



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



#57

1,3-Dichloropropane

Concen: 0.854 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055418.D

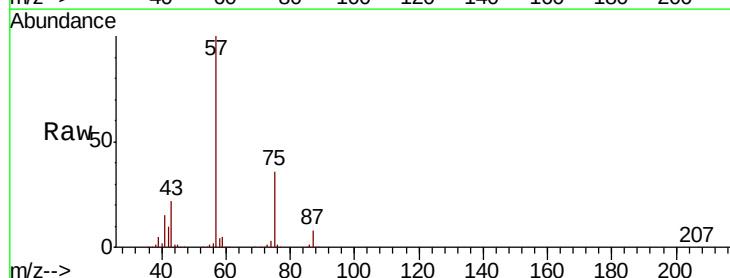
Acq: 6 May 2019 16:14

Tgt Ion: 76 Resp: 8474

Ion Ratio Lower Upper

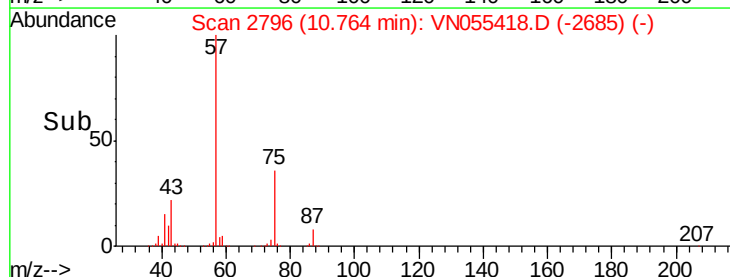
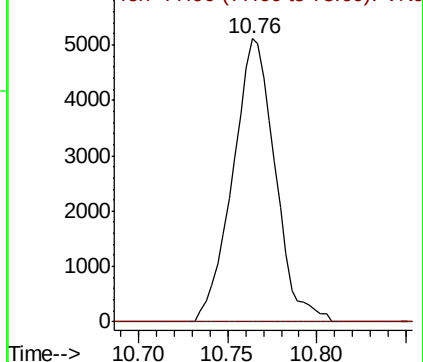
76 100

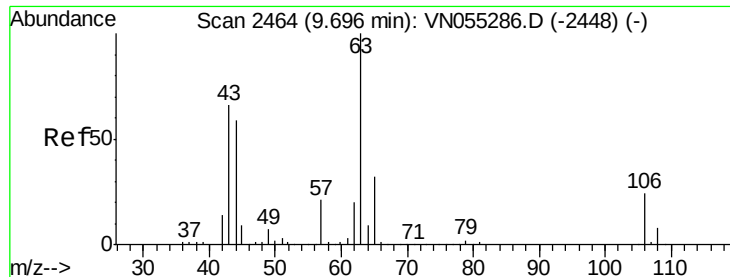
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 12.546 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.21 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

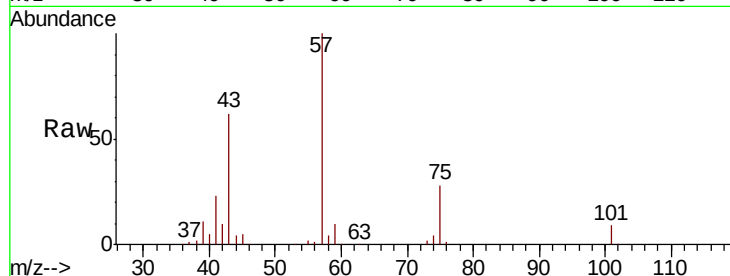
NB-08-050319-A

Tot Ion: 63 Resp: 320

Ion Ratio Lower Upper

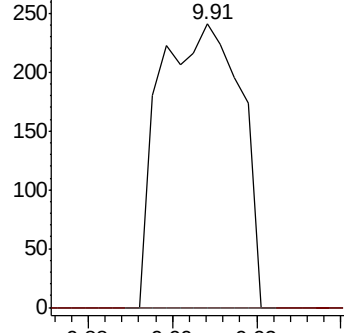
63 100

106 0.0 19.0 28.4#

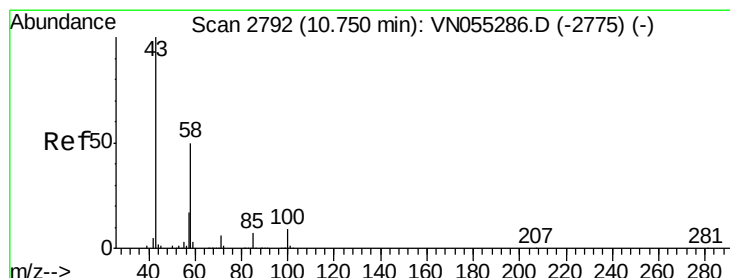
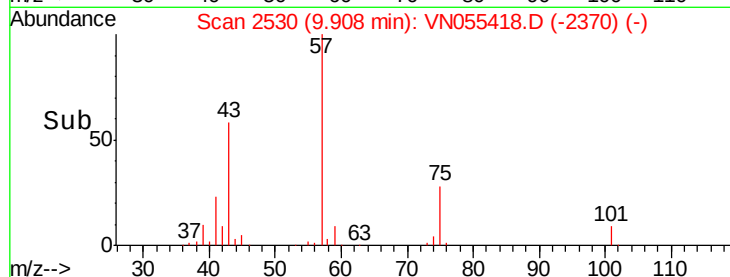


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



Time-->



#59

2-Hexanone

Concen: 35.630 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055418.D

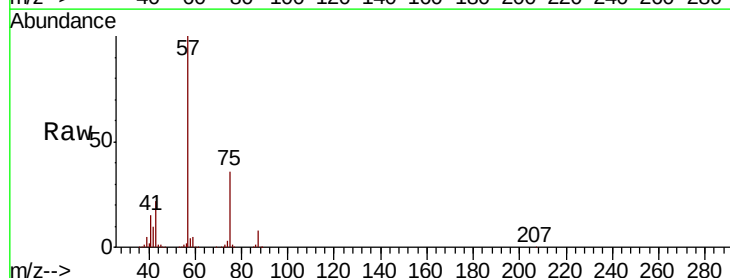
Acq: 6 May 2019 16:14

Tgt Ion: 43 Resp: 139165

Ion Ratio Lower Upper

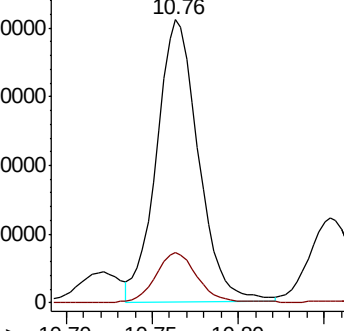
43 100

58 17.8 24.9 74.6#

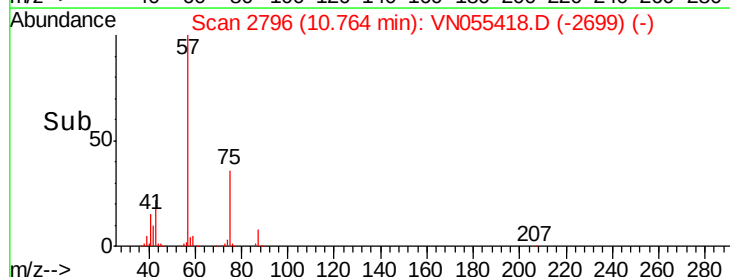


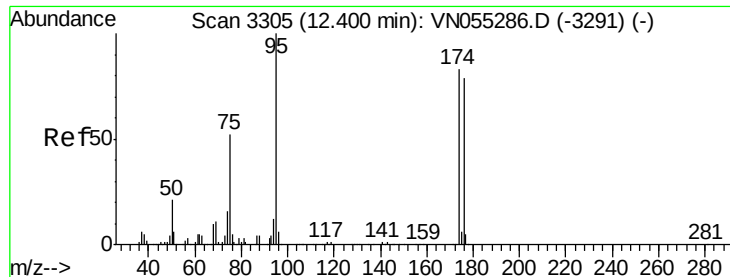
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 57.816 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

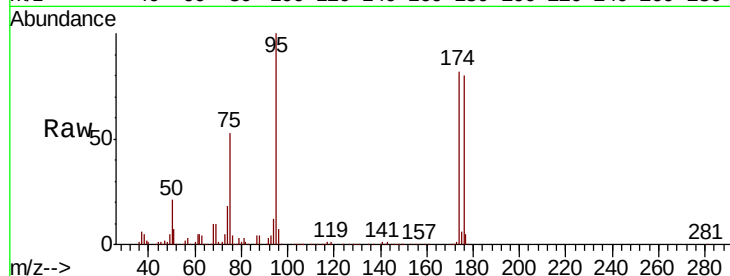
Tot Ion: 95 Resp: 402487

Ion Ratio Lower Upper

95 100

174 82.5 0.0 166.6

176 80.4 0.0 157.8

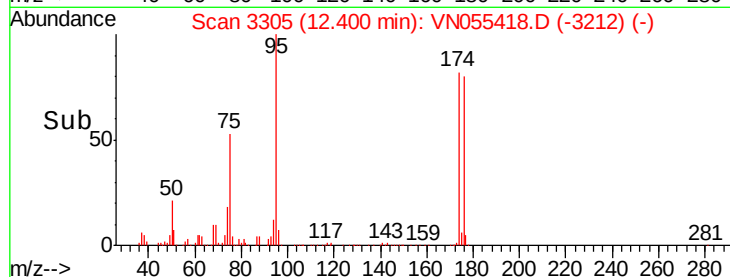


Abundance Ion 94.90 (94.60 to 95.60): VN055418.D (-2903) (-)

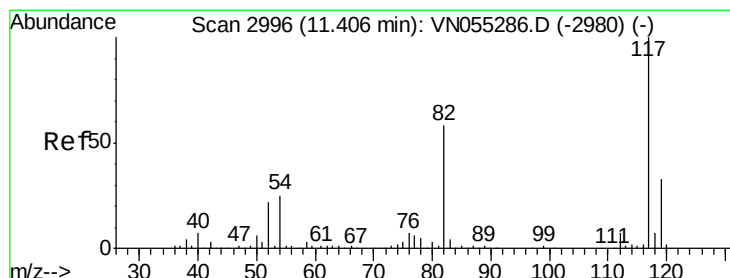
Ion 173.80 (173.50 to 174.50): VN055418.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055418.D (-2903) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

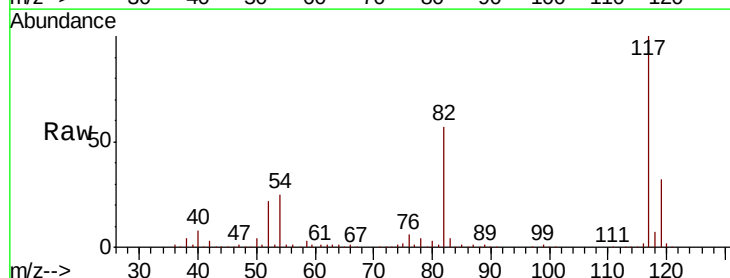
Tgt Ion: 117 Resp: 883517

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

119 31.7 26.6 40.0

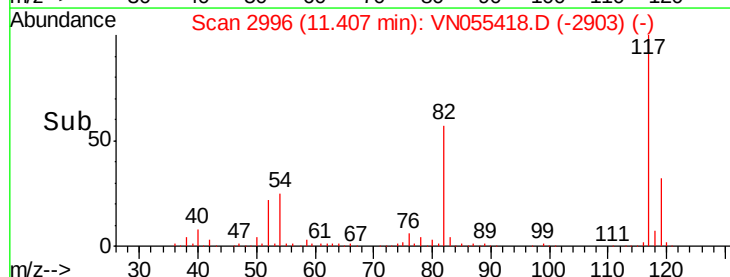


Abundance Ion 116.90 (116.60 to 117.60): VN055418.D (-2903) (-)

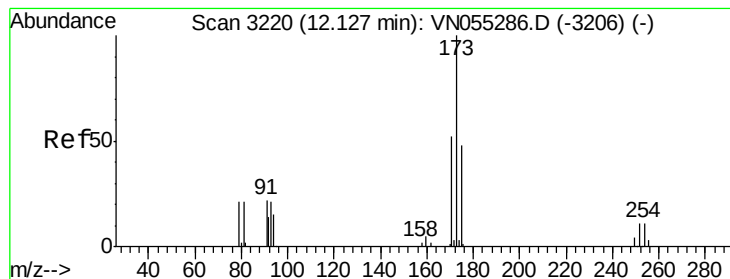
Ion 82.00 (81.70 to 82.70): VN055418.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055418.D (-2903) (-)

Time-->



Time-->



#71

Bromoform

Concen: 0.957 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

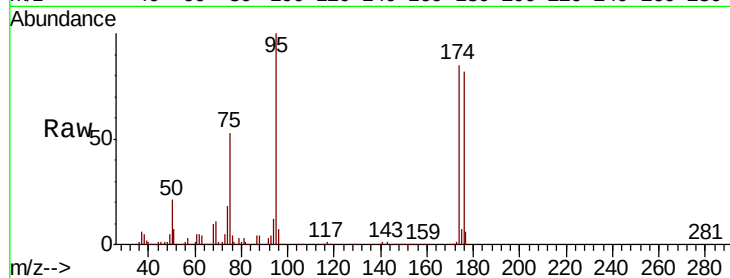
Tot Ion:173 Resp: 3590

Ion Ratio Lower Upper

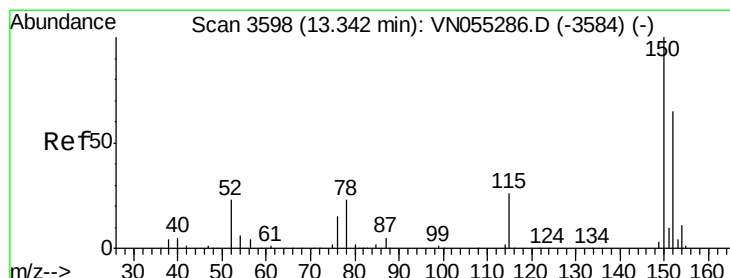
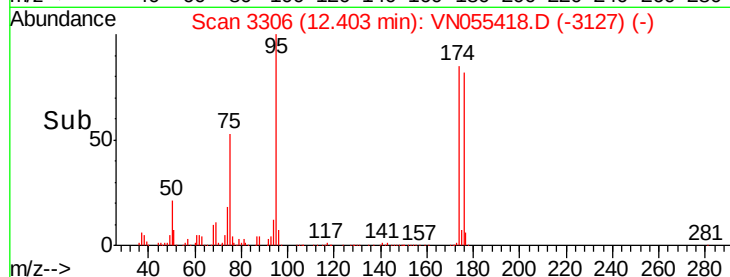
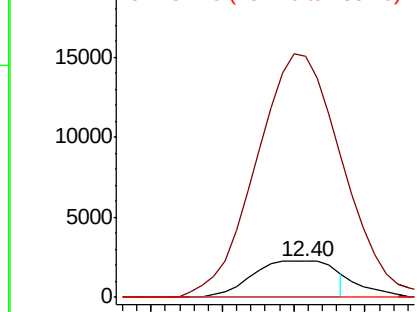
173 100

175 617.9 23.6 71.0#

254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

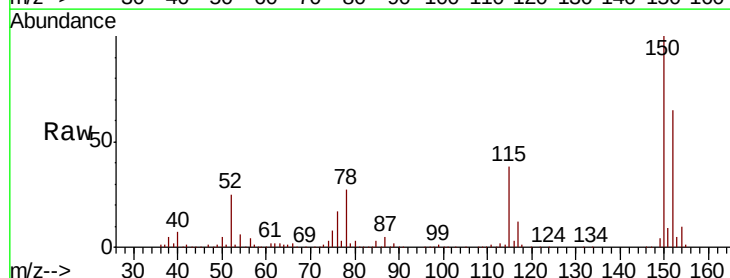
Tgt Ion:152 Resp: 297199

Ion Ratio Lower Upper

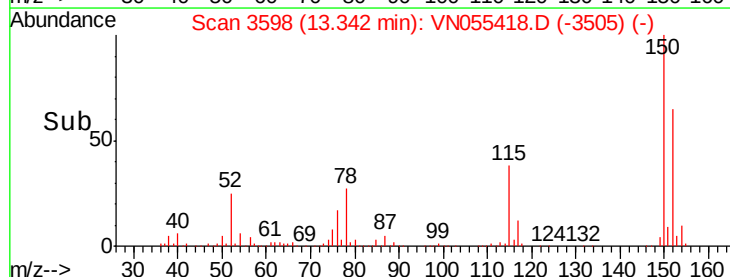
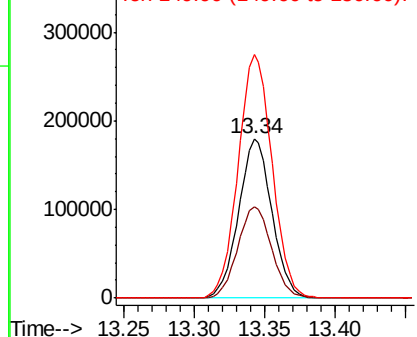
152 100

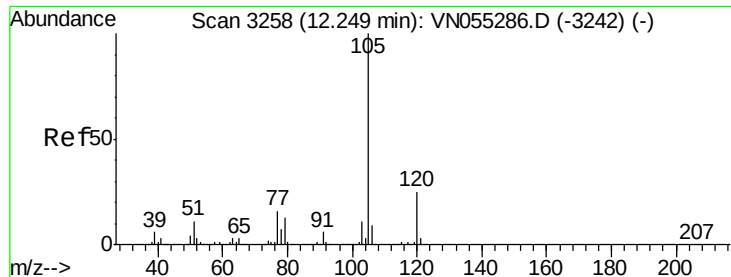
115 58.5 29.0 87.0

150 155.8 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: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

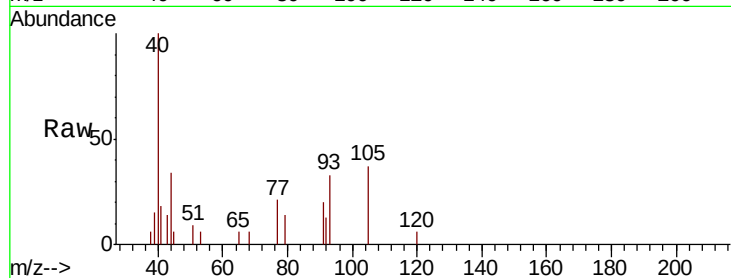
NB-08-050319-A

Tot Ion:105 Resp: 1895

Ion Ratio Lower Upper

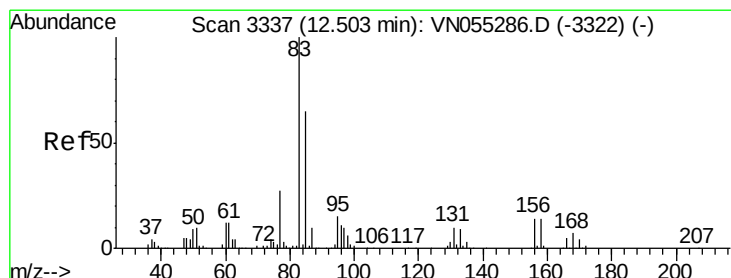
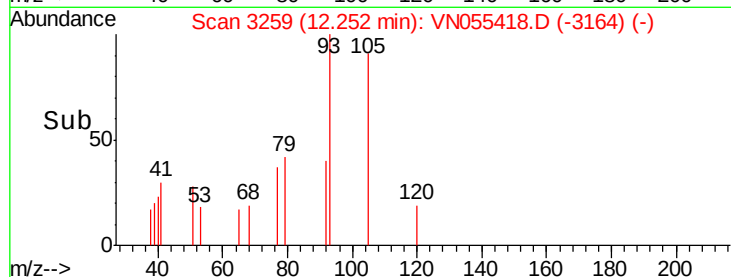
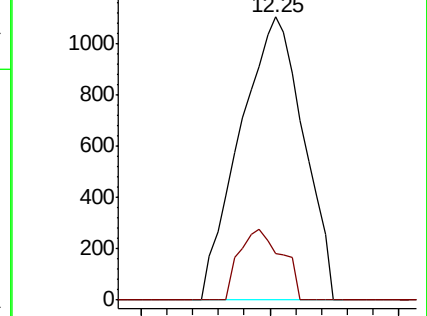
105 100

120 16.8 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: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

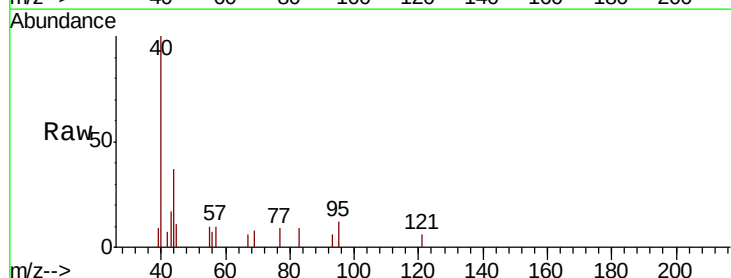
Tgt Ion: 83 Resp: 202

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

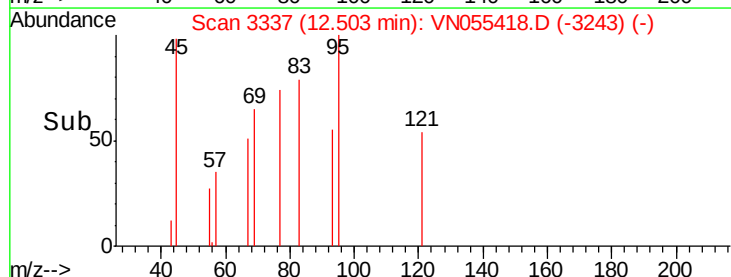
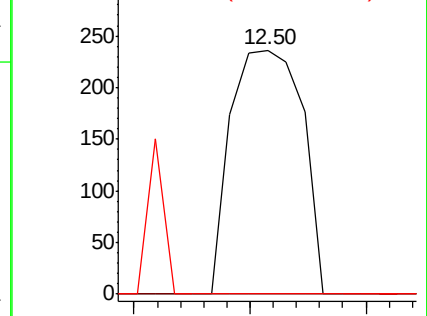
85 14.4 32.3 96.8#

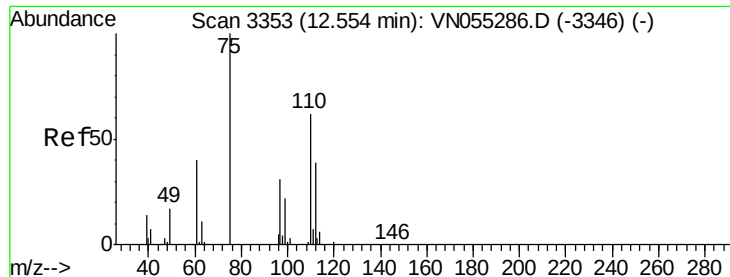


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.544 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

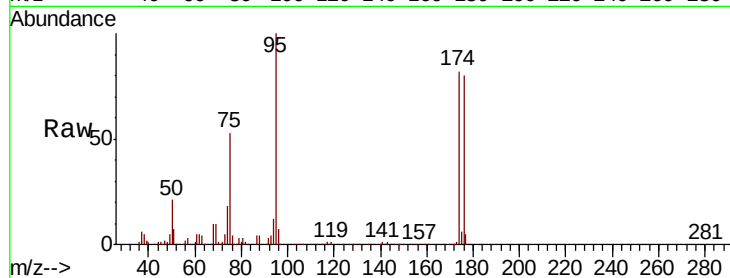
NB-08-050319-A

Tot Ion: 75 Resp: 210867

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

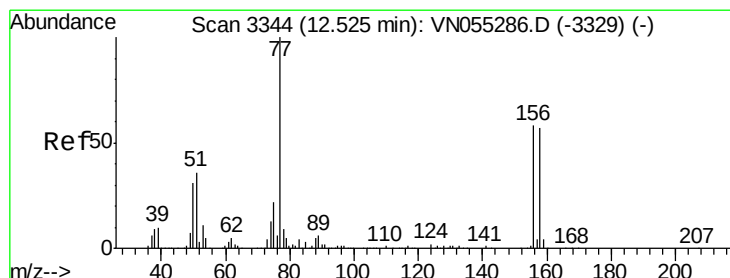
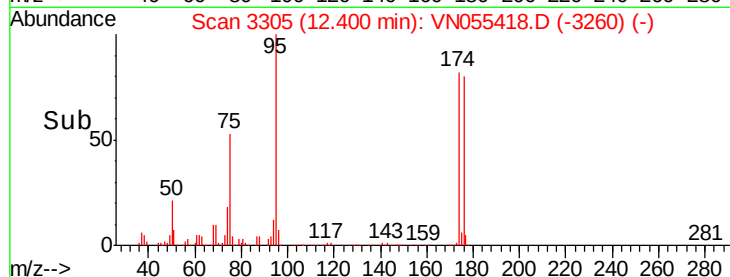
12.40

100000

50000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

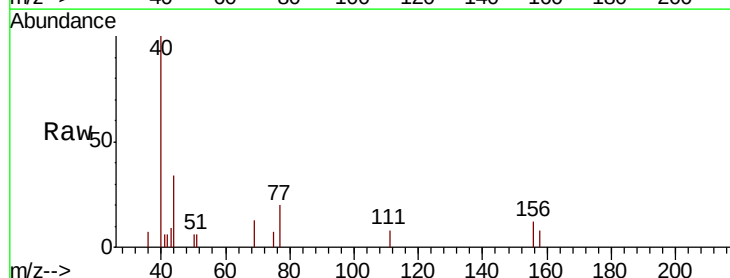
Tgt Ion: 156 Resp: 465

Ion Ratio Lower Upper

156 100

77 183.9 99.6 298.8

158 32.5 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

800

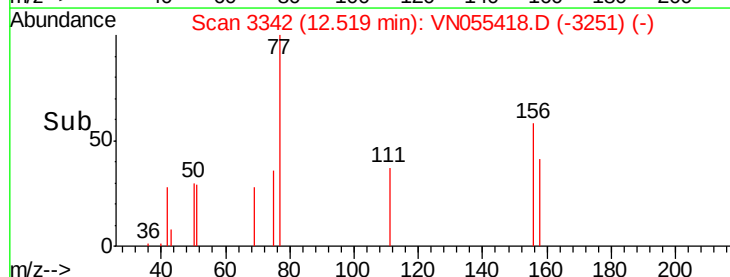
600

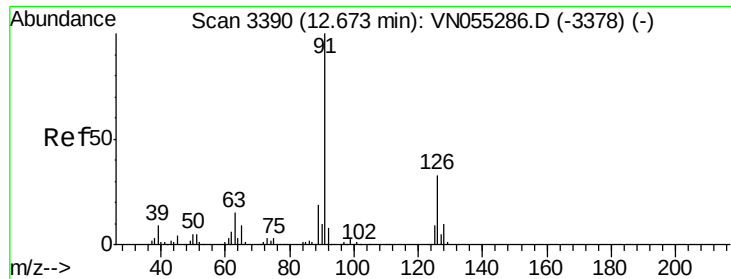
400

200

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

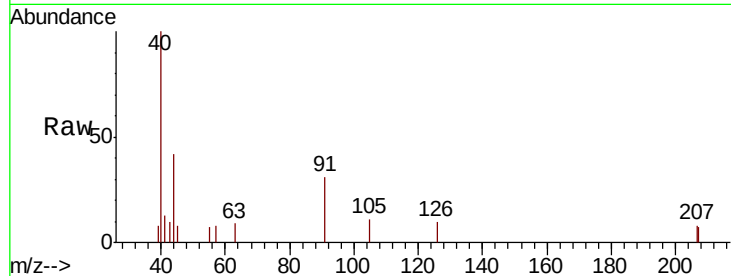
NB-08-050319-A

Tot Ion: 91 Resp: 1248

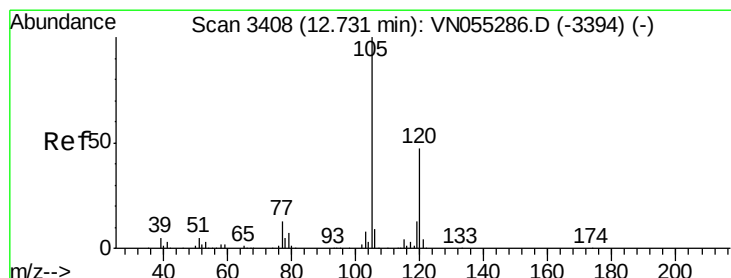
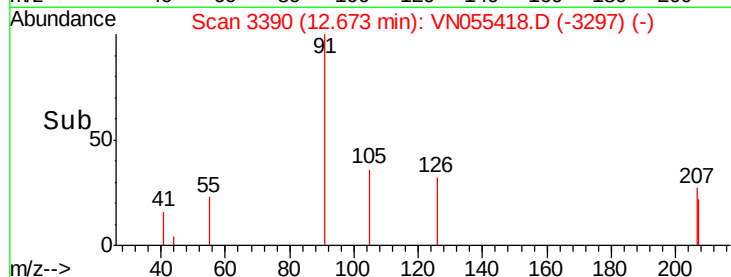
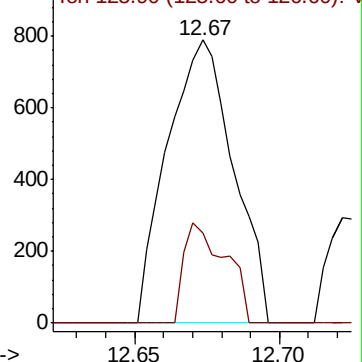
Ion Ratio Lower Upper

91 100

126 22.3 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.224 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055418.D

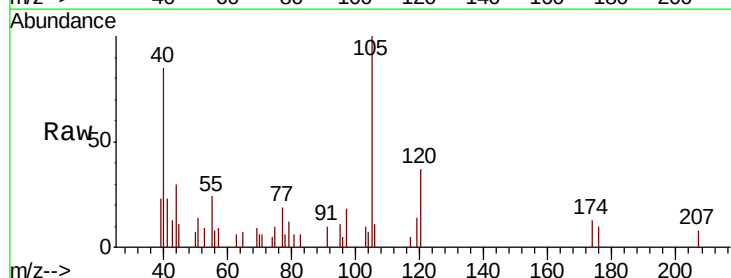
Acq: 6 May 2019 16:14

Tgt Ion: 105 Resp: 5226

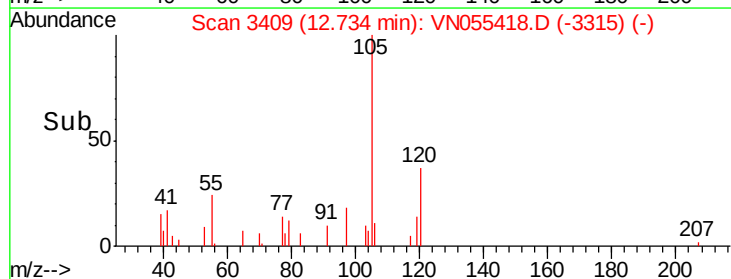
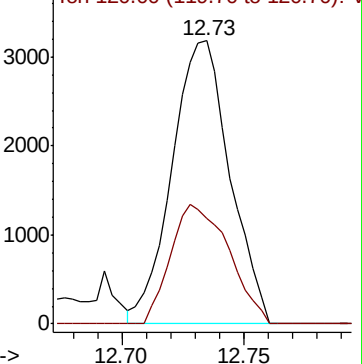
Ion Ratio Lower Upper

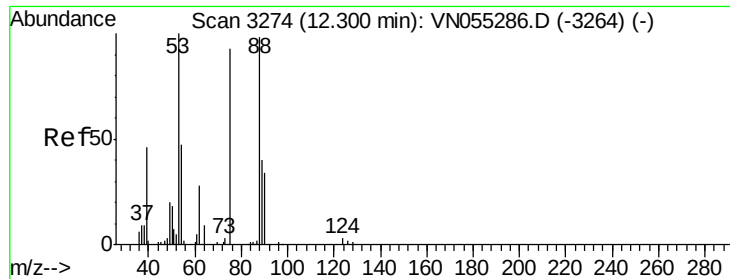
105 100

120 42.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 134.458 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

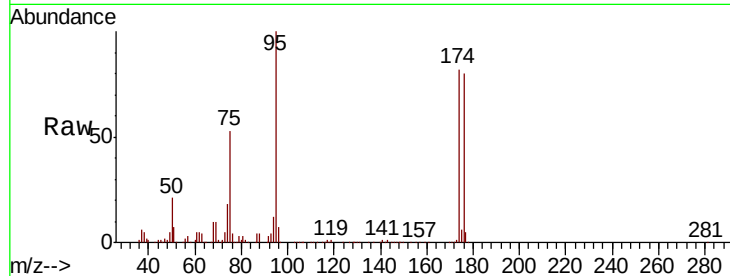
Tot Ion: 75 Resp: 210867

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): VN055418.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055418.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055418.D (-3305) (-)

12.40

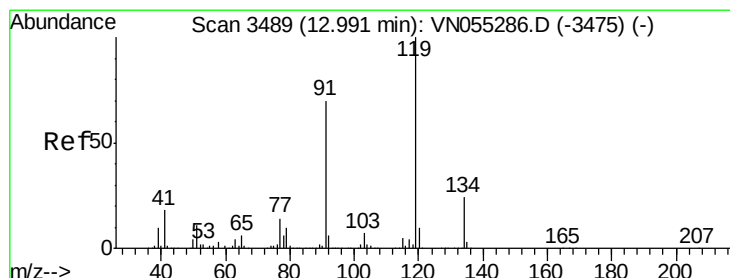
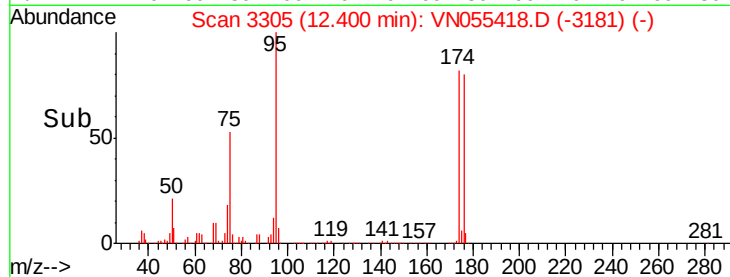
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

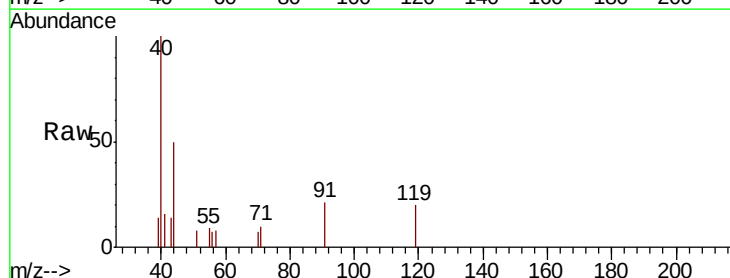
Tgt Ion: 119 Resp: 1025

Ion Ratio Lower Upper

119 100

91 82.3 34.3 102.9

134 0.0 13.1 39.3#



Abundance Ion 119.00 (118.70 to 119.70): VN055418.D (-3488) (-)

Ion 91.00 (90.70 to 91.70): VN055418.D (-3488) (-)

Ion 134.00 (133.70 to 134.70): VN055418.D (-3488) (-)

12.99

800

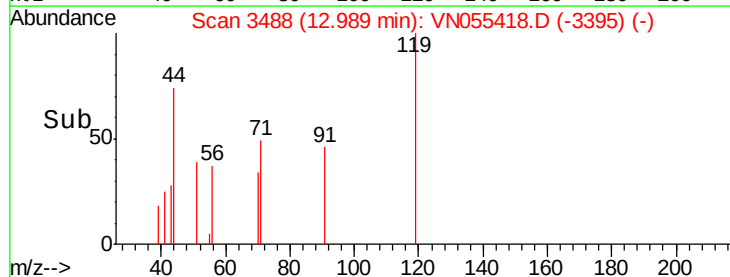
600

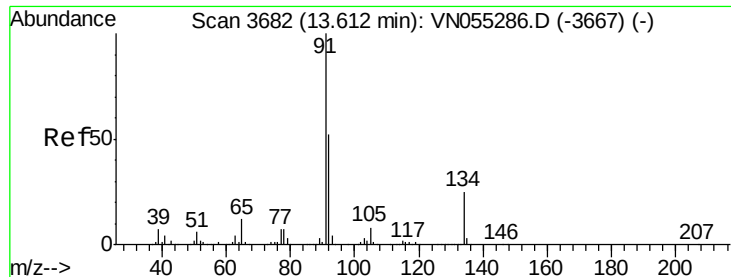
400

200

0

Time-->





#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

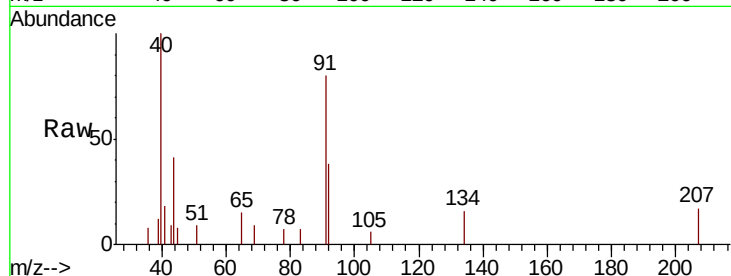
Tot Ion: 91 Resp: 3032

Ion Ratio Lower Upper

91 100

92 50.3 26.1 78.3

134 25.8 12.4 37.4

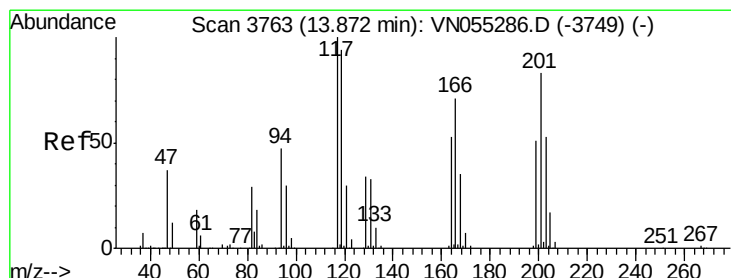
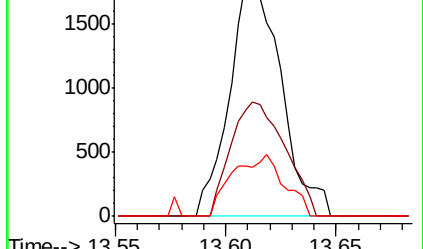
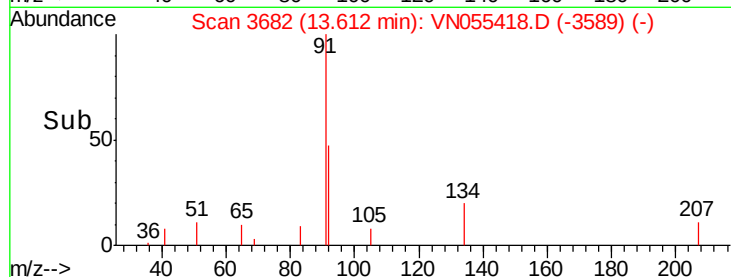


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN055418.D

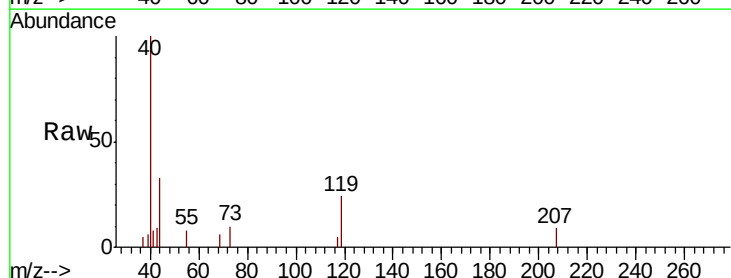
Acq: 6 May 2019 16:14

Tgt Ion: 117 Resp: 184

Ion Ratio Lower Upper

117 100

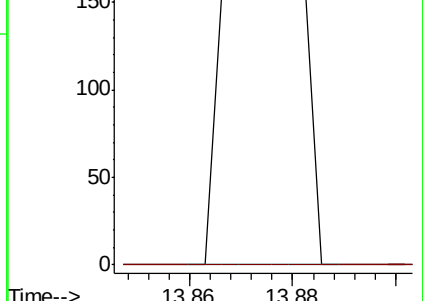
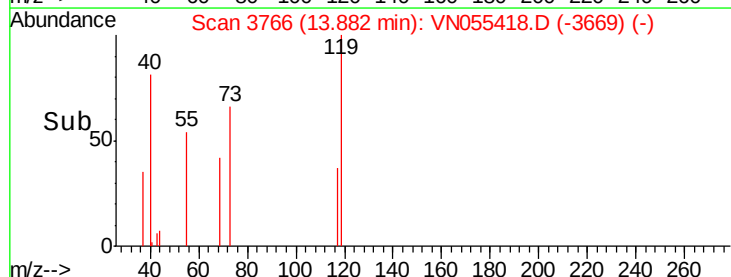
201 0.0 41.9 125.8#

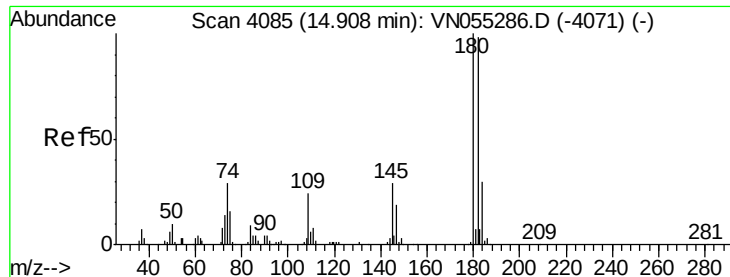


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)

Time--> 13.86 13.88

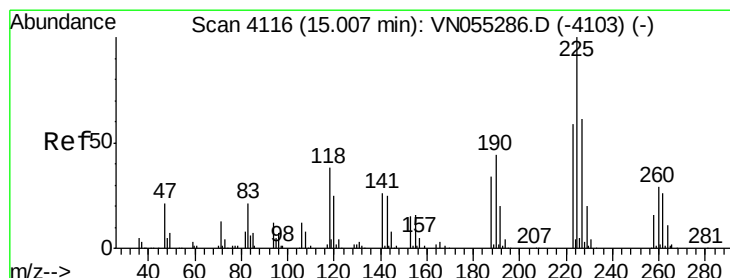
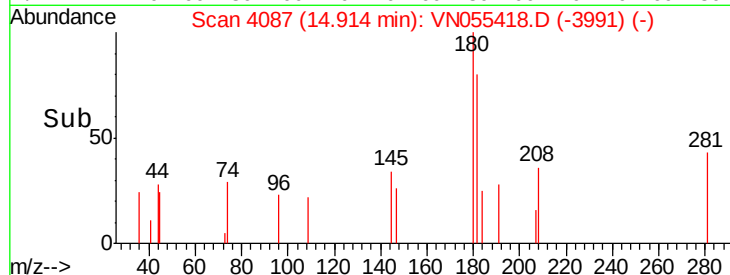
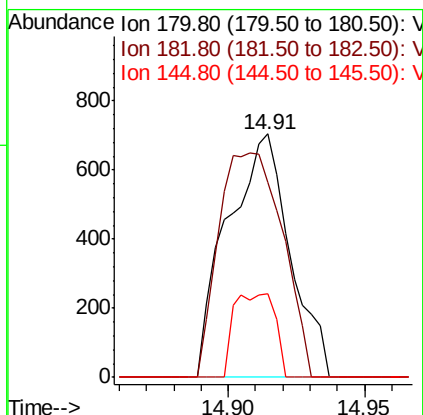
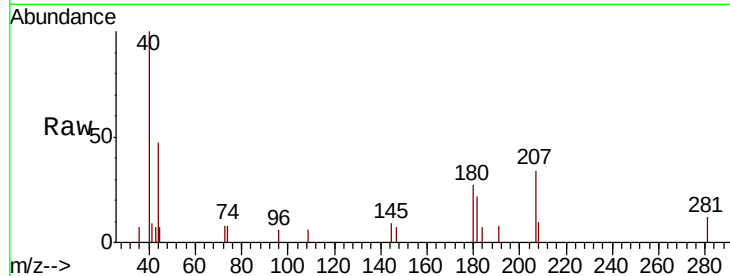




#93
 1,2,4-Trichlorobenzene
 Concen: 3.579 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055418.D
 Acq: 6 May 2019 16:14

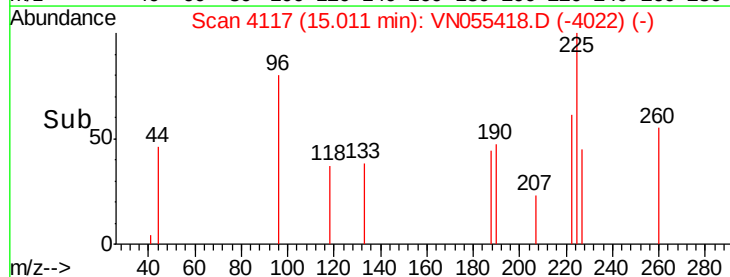
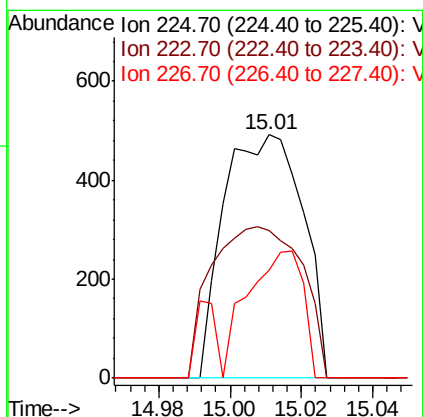
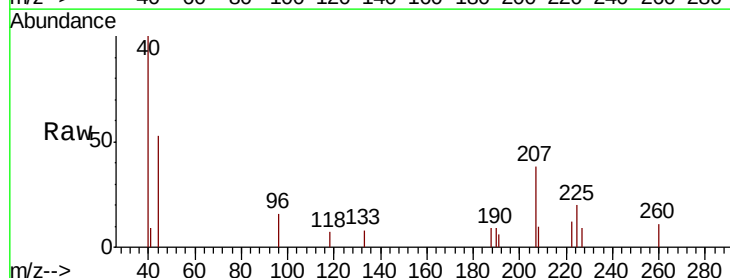
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-050319-A

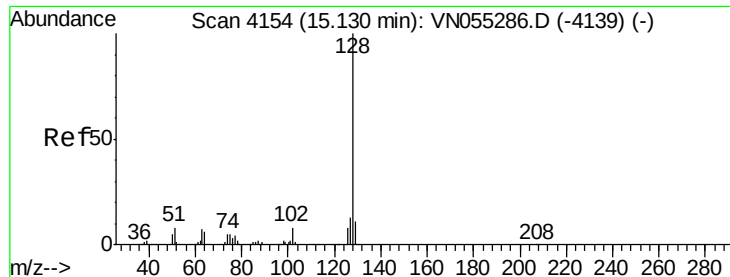
Tot Ion:180 Resp: 1117
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.3 144.9
 145 22.7 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055418.D
 Acq: 6 May 2019 16:14

Tgt Ion:225 Resp: 751
 Ion Ratio Lower Upper
 225 100
 223 71.2 30.3 90.8
 227 36.9 30.9 92.7





#95

Naphthalene

Concen: 3.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

NB-08-050319-A

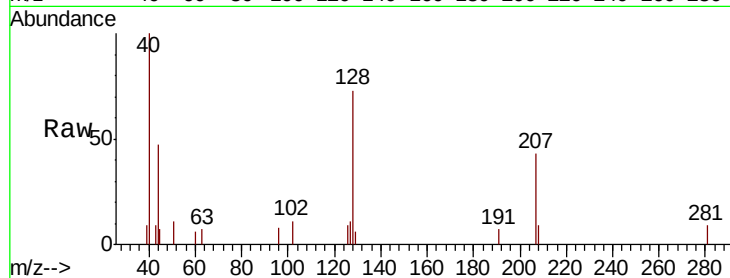
Tot Ion:128 Resp: 3460

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

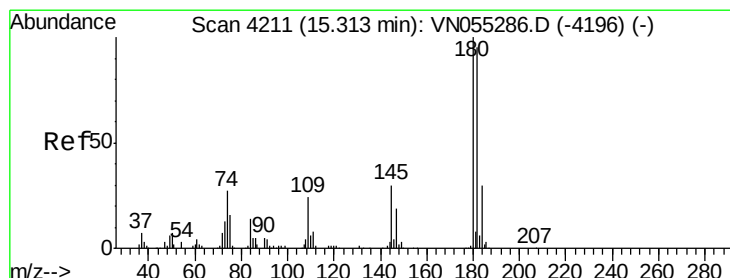
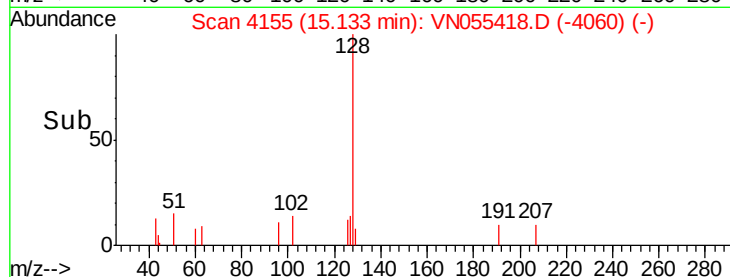
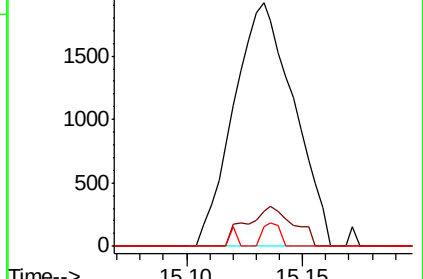
129 2.9 8.6 13.0#



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: 2.971 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055418.D

Acq: 6 May 2019 16:14

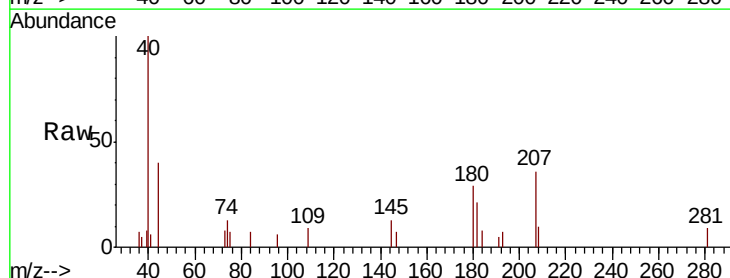
Tgt Ion:180 Resp: 1449

Ion Ratio Lower Upper

180 100

182 94.6 48.3 144.9

145 34.5 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

