

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055330.D
 Acq On : 1 May 2019 15:34
 Operator : JC/SP
 Sample : K2629-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 020-OUTFALL

Quant Time: May 02 01:52:25 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	365207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	628394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	574331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	252586	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.59	113	207110	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.09	98	778447	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	227703	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

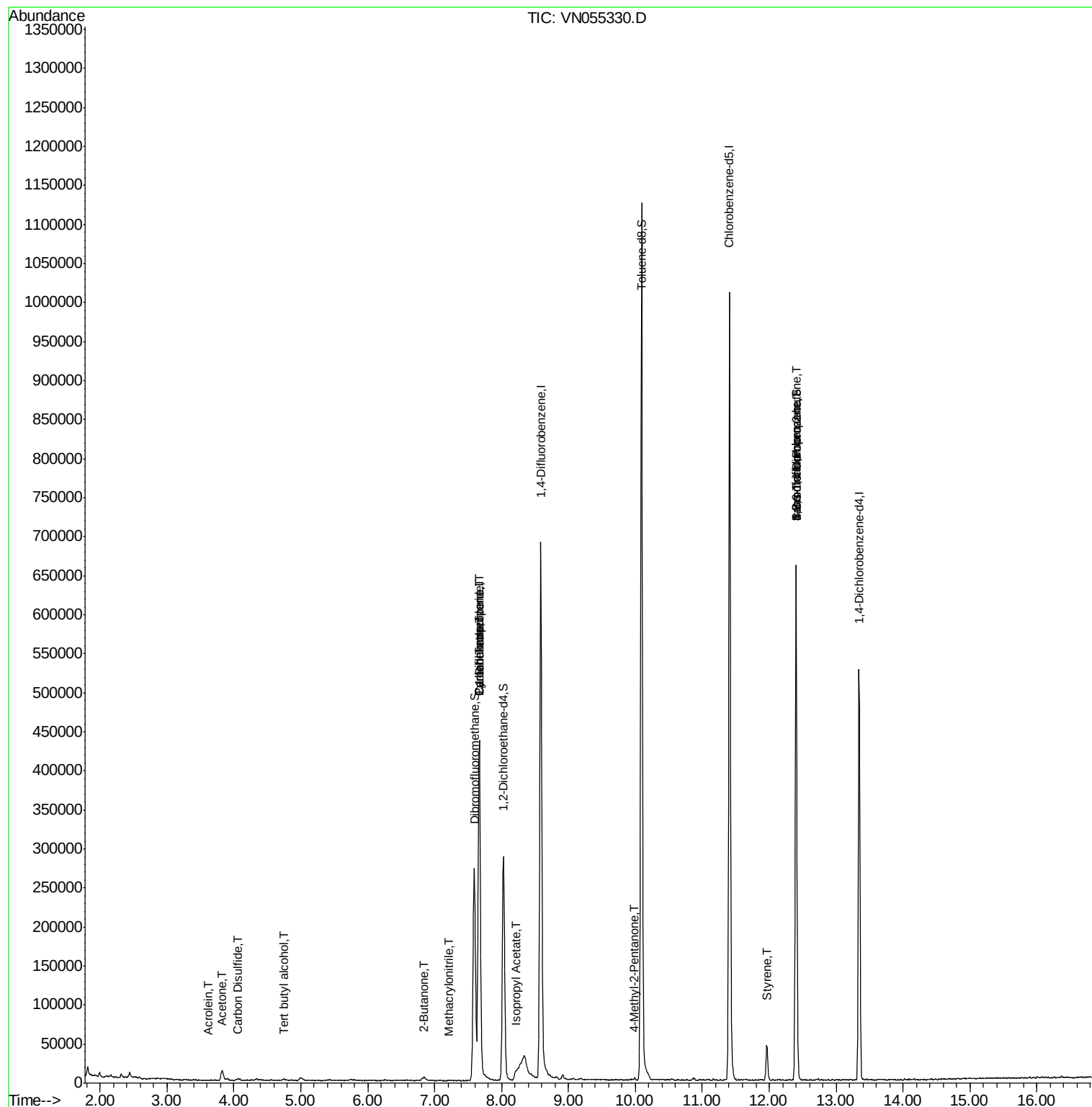
						Qvalue
11) Tert butyl alcohol	4.75	59	1096	4.007	ug/l #	73
13) Acrolein	3.62	56	248	1.161	ug/l #	82
16) Acetone	3.82	43	20779	13.958	ug/l	96
17) Carbon Disulfide	4.06	76	1964	0.209	ug/l #	74
18) Methyl Acetate	4.34	43	1855	Below Cal		98
25) 2-Butanone	6.85	43	4086	2.146	ug/l #	74
31) Cyclohexane	7.66	56	8693	1.157	ug/l #	3
36) 1,1-Dichloropropene	7.67	75	28305	4.703	ug/l #	50
38) Carbon Tetrachloride	7.67	117	34161	5.884	ug/l #	17
41) Methacrylonitrile	7.22	41	31	0.752	ug/l #	1
43) Isopropyl Acetate	8.21	43	6576	0.887	ug/l #	56
51) 4-Methyl-2-Pentanone	9.99	43	2160	0.517	ug/l #	76
70) Styrene	11.96	104	22842	2.074	ug/l	91
71) Bromoform	12.40	173	2072	0.849	ug/l #	1
73) Isopropylbenzene	12.39	105	62	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	64	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	118311	44.596	ug/l #	100
79) 2-Chlorotoluene	12.40	91	981	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	118311	158.046	ug/l #	7

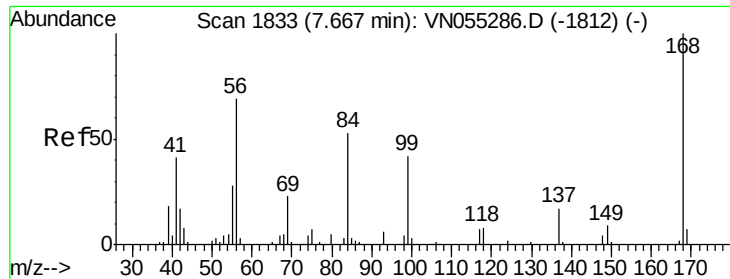
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

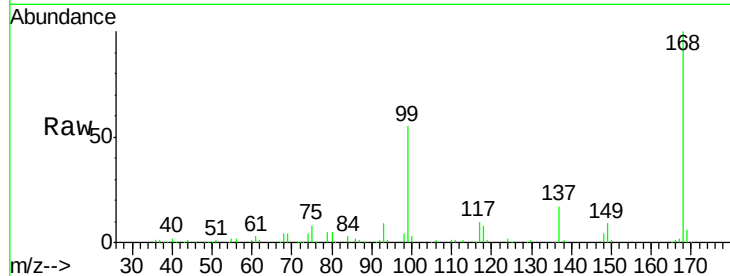
020-OUTFALL

Tot Ion:168 Resp: 365207

Ion Ratio Lower Upper

168 100

99 54.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

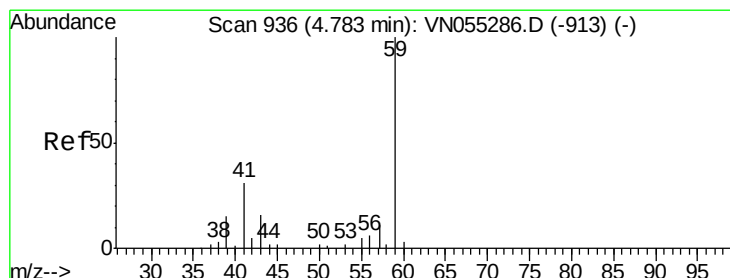
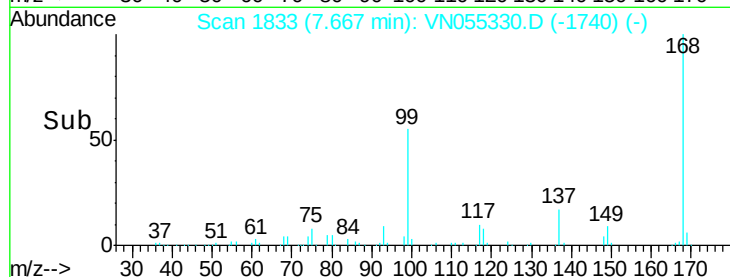
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 4.007 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.03 min

Lab File: VN055330.D

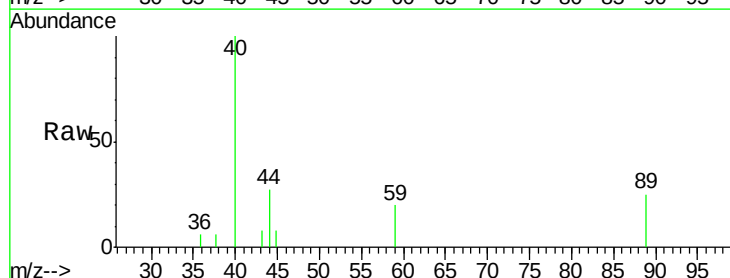
Acq: 1 May 2019 15:34

Tgt Ion: 59 Resp: 1096

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

600

500

400

300

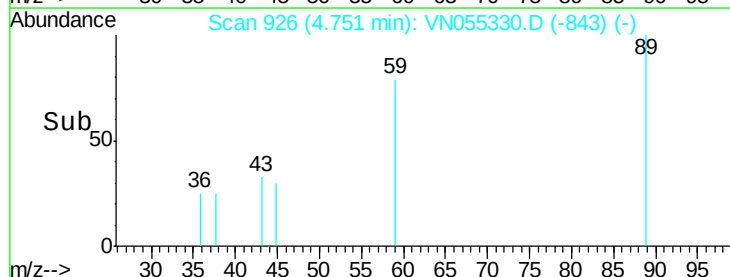
200

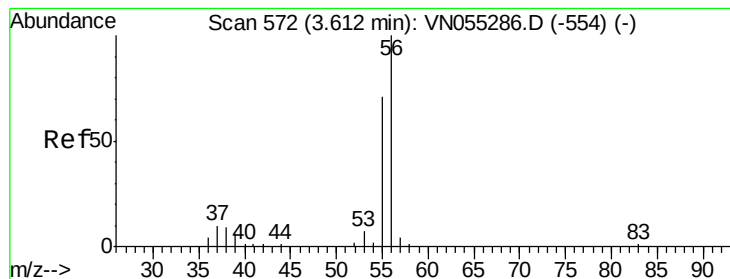
100

0

Time-->

4.70 4.72 4.74 4.76 4.78





#13

Acrolein

Concen: 1.161 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

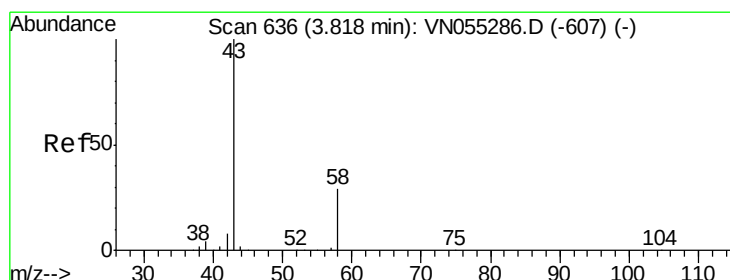
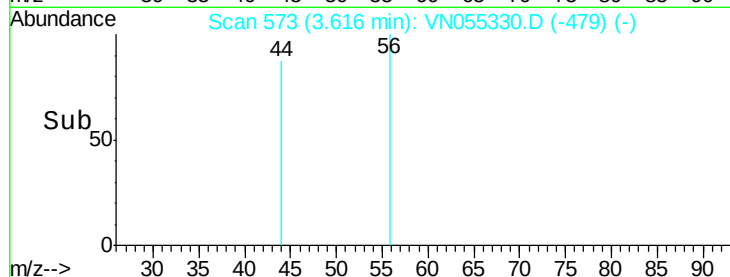
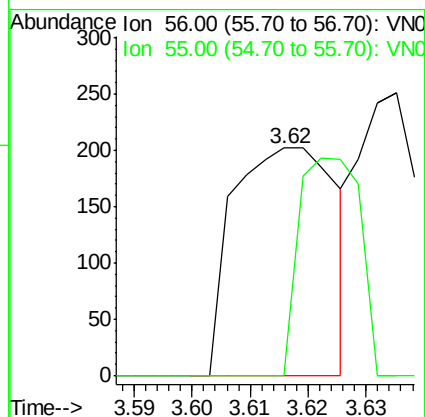
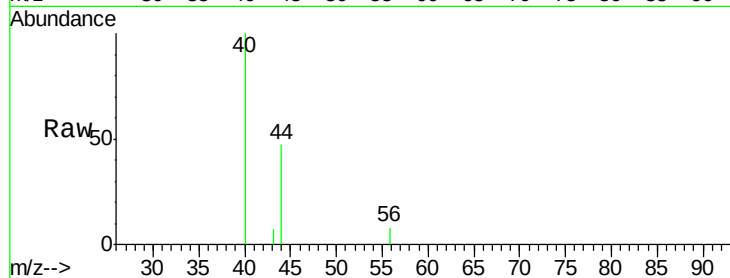
020-OUTFALL

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 56.9 57.4 86.2#



#16

Acetone

Concen: 13.958 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055330.D

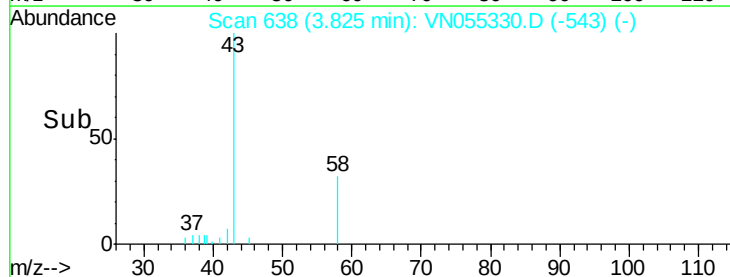
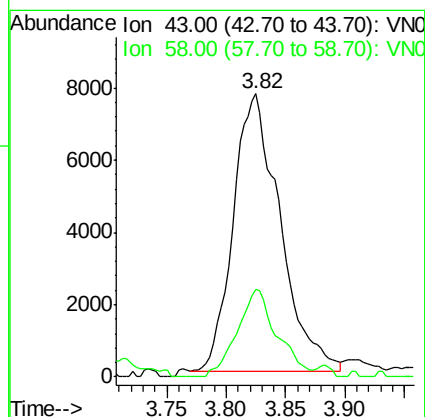
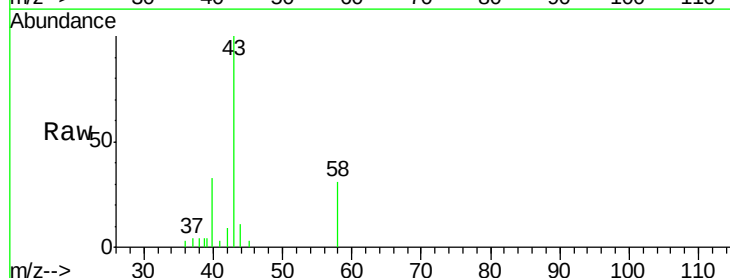
Acq: 1 May 2019 15:34

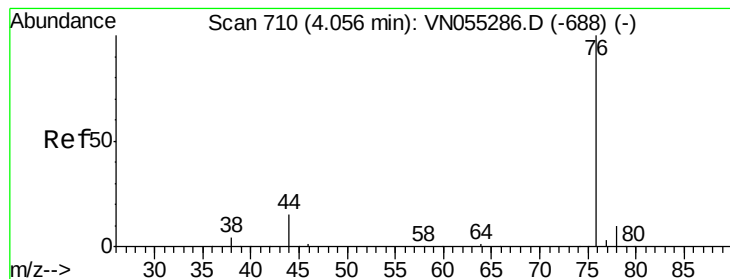
Tgt Ion: 43 Resp: 20779

Ion Ratio Lower Upper

43 100

58 31.6 23.6 35.4





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

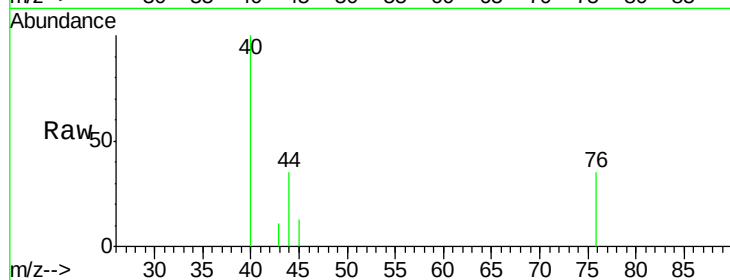
020-OUTFALL

Tot Ion: 76 Resp: 1964

Ion Ratio Lower Upper

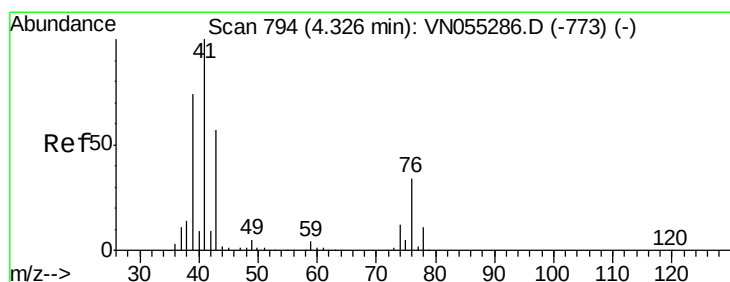
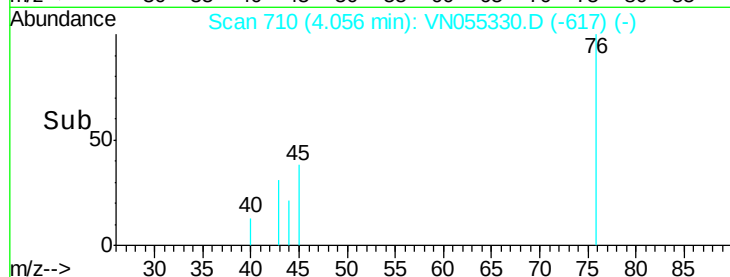
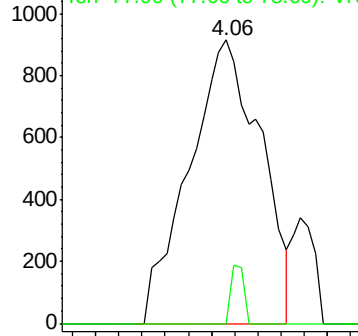
76 100

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



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055330.D

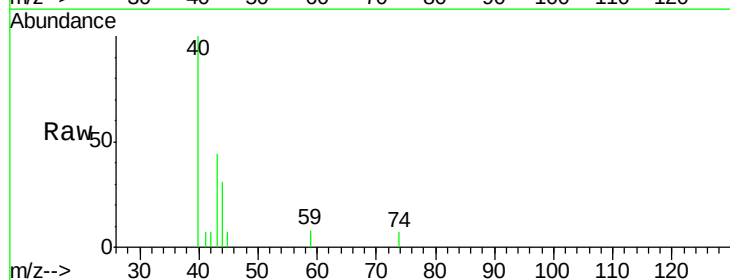
Acq: 1 May 2019 15:34

Tgt Ion: 43 Resp: 1855

Ion Ratio Lower Upper

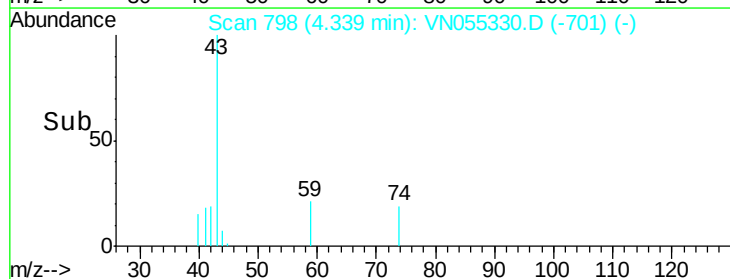
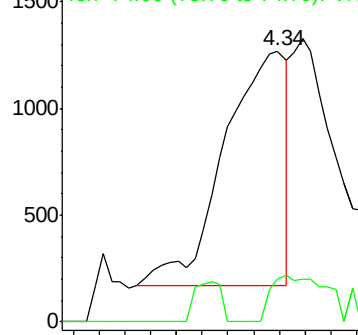
43 100

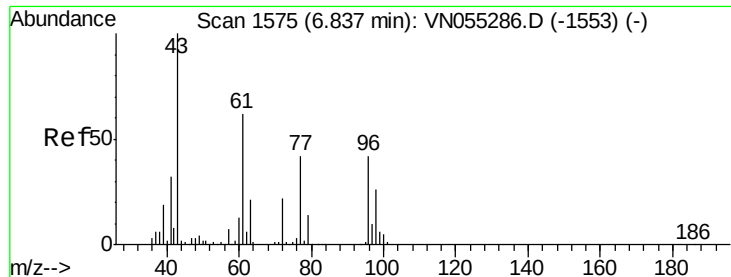
74 18.8 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 2.146 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

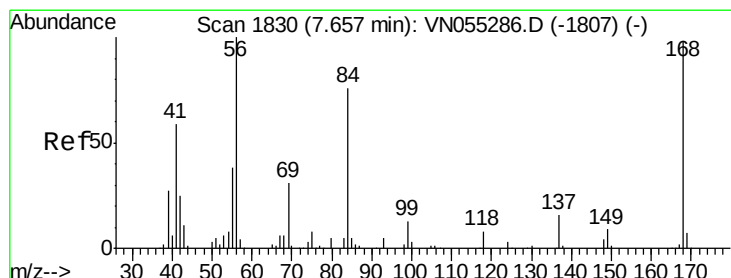
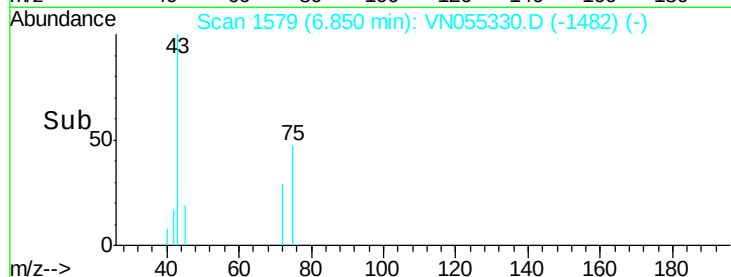
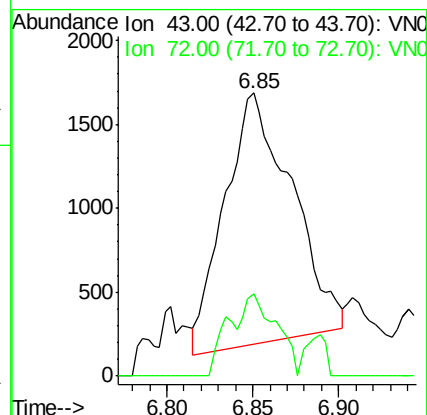
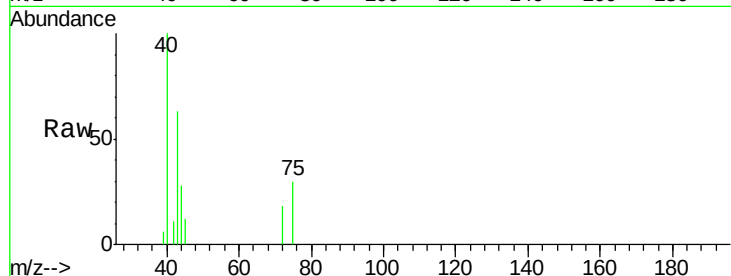
020-OUTFALL

Tot Ion: 43 Resp: 4086

Ion Ratio Lower Upper

43 100

72 34.9 18.0 27.0#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

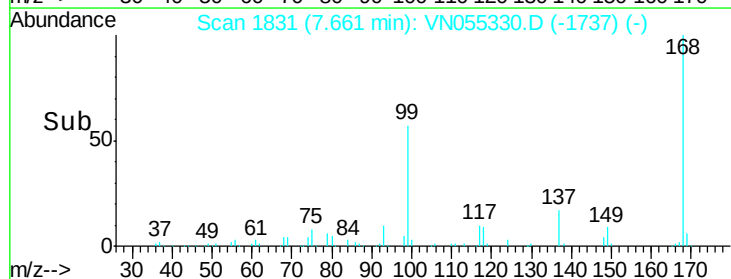
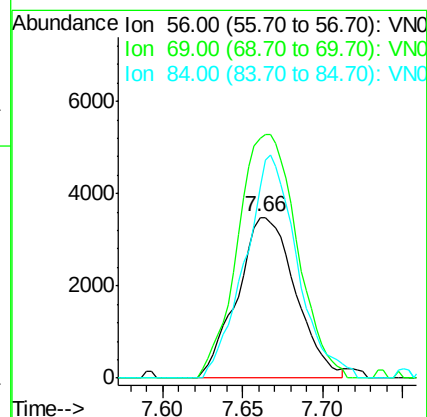
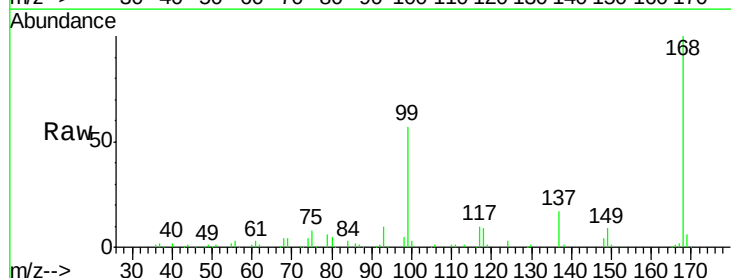
Tgt Ion: 56 Resp: 8693

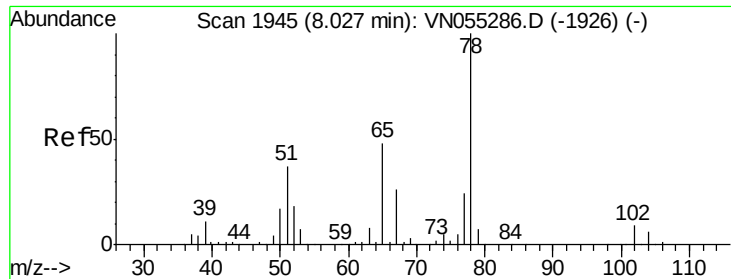
Ion Ratio Lower Upper

56 100

69 149.3 25.2 37.8#

84 119.3 61.1 91.7#

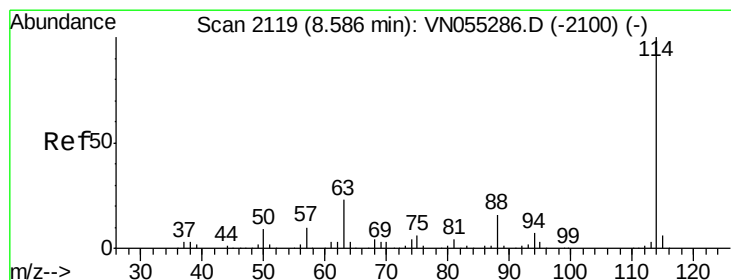
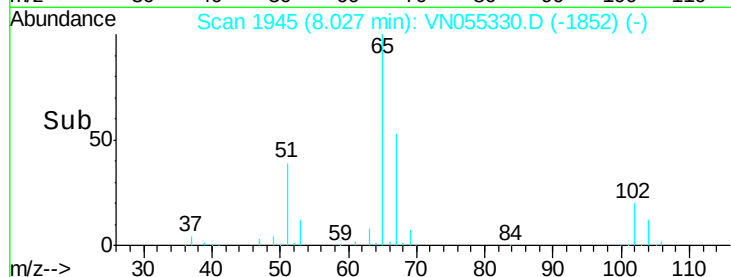
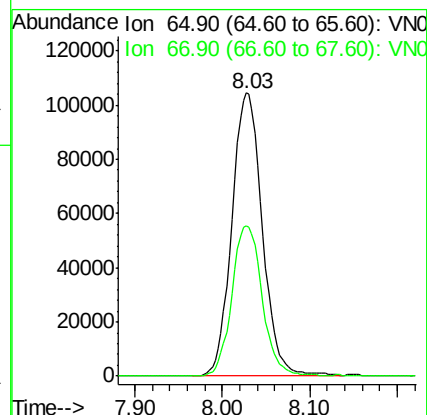
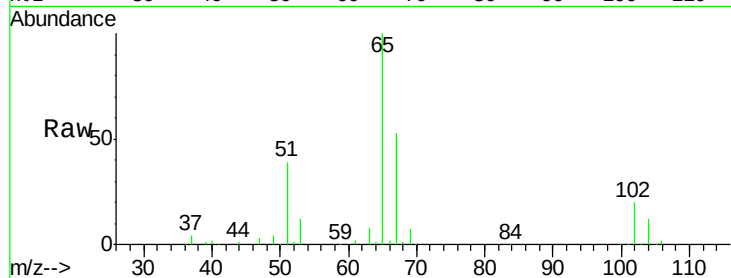




#33
 1,2-Dichloroethane-d4
 Concen: 52.867 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055330.D
 Acq: 1 May 2019 15:34

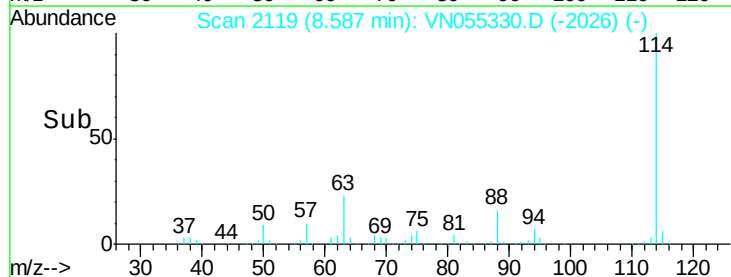
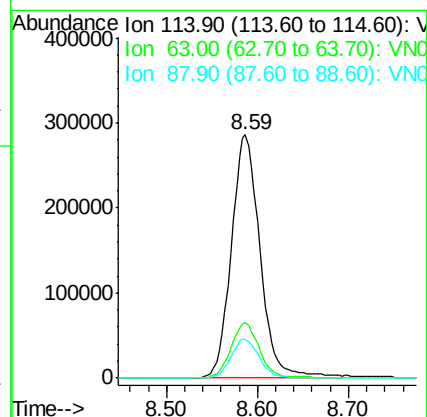
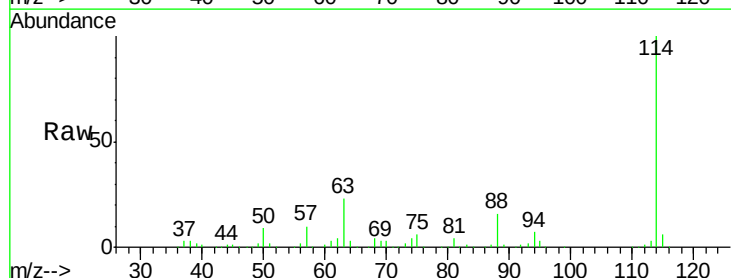
Instrument :
 MSVOA_N
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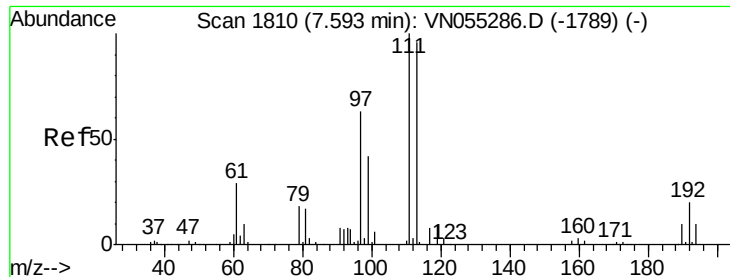
Tot Ion: 65 Resp: 252586
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055330.D
 Acq: 1 May 2019 15:34

Tgt Ion: 114 Resp: 628394
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 15.9 0.0 31.6

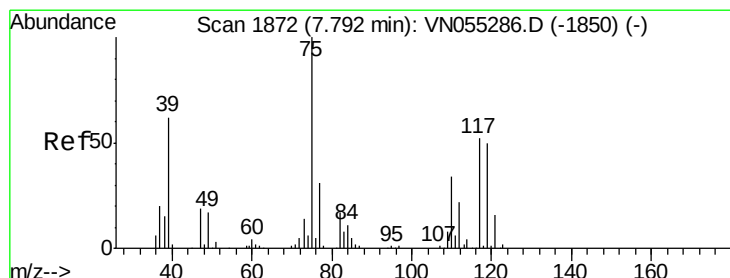
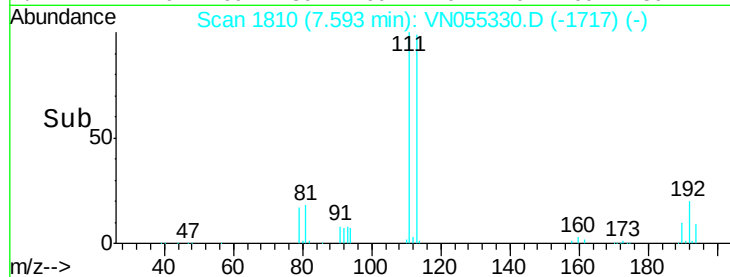
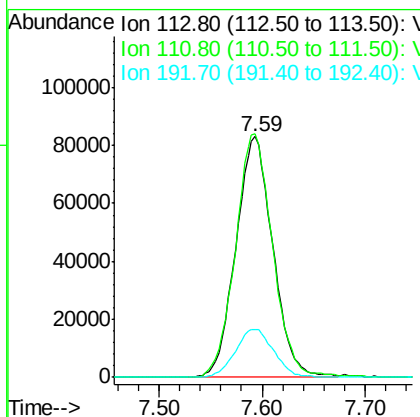
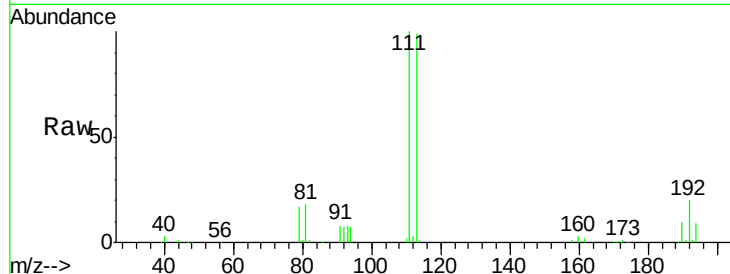




#35
 Dibromofluoromethane
 Concen: 50.214 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055330.D
 Acq: 1 May 2019 15:34

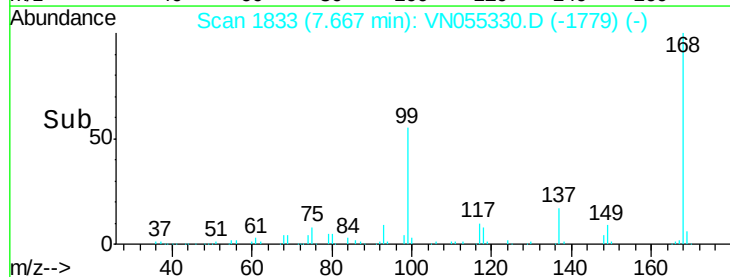
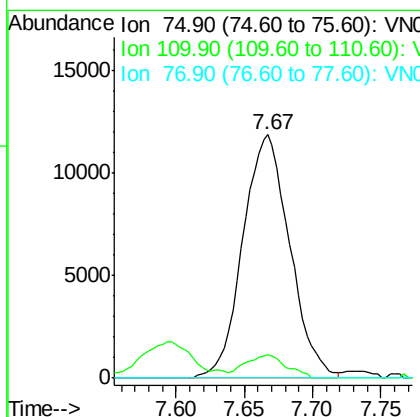
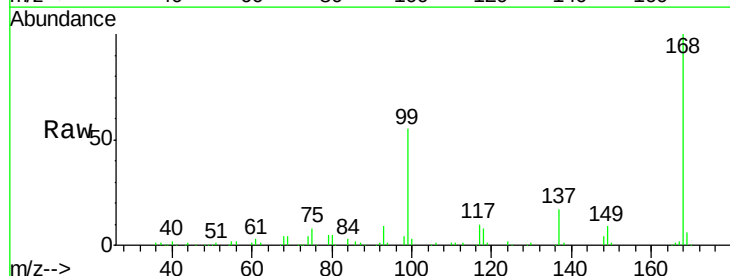
Instrument :
 MSVOA_N
 ClientSampled :
 020-OUTFALL

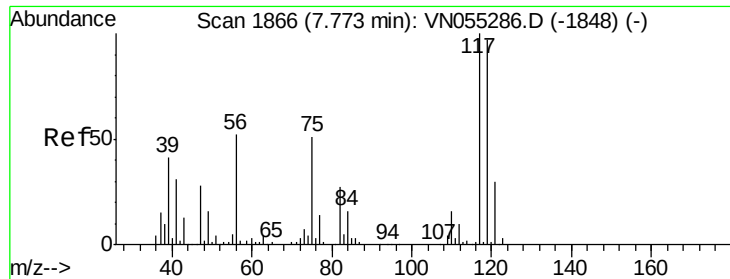
Tot Ion:113 Resp: 207110
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.3 123.5
 192 20.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055330.D
 Acq: 1 May 2019 15:34

Tgt Ion: 75 Resp: 28305
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.8 50.4#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

020-OUTFALL

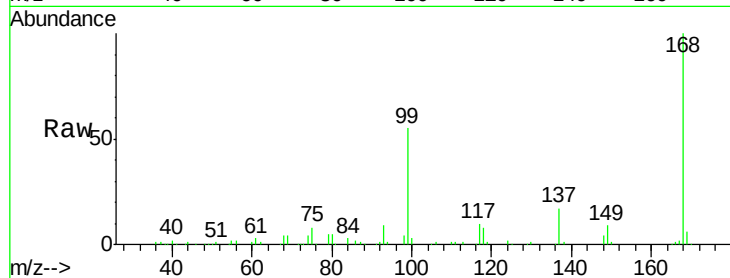
Tot Ion:117 Resp: 34161

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

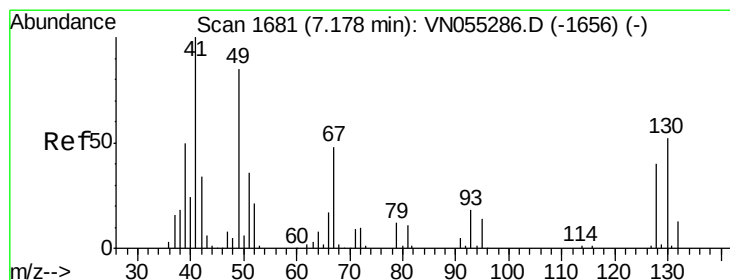
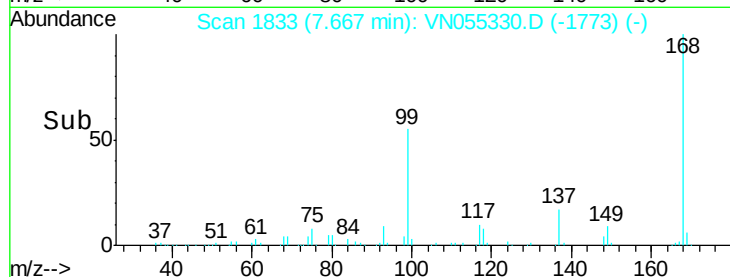
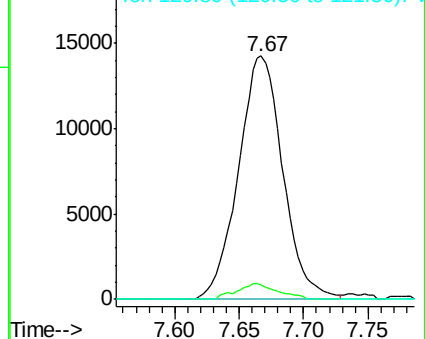
121 0.0 23.8 35.8#



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: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Tgt Ion: 41 Resp: 31

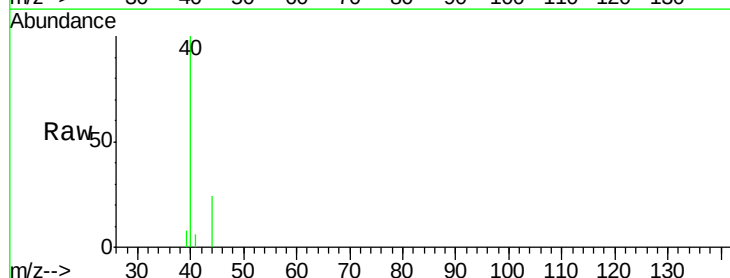
Ion Ratio Lower Upper

41 100

39 1119.4 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

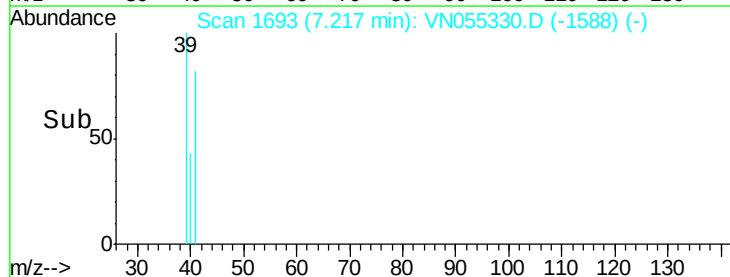
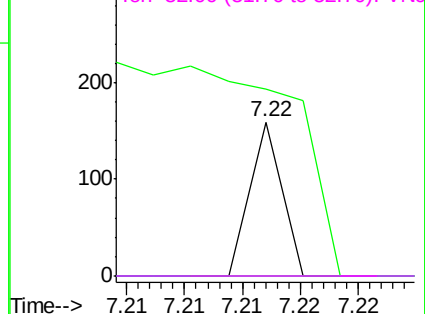


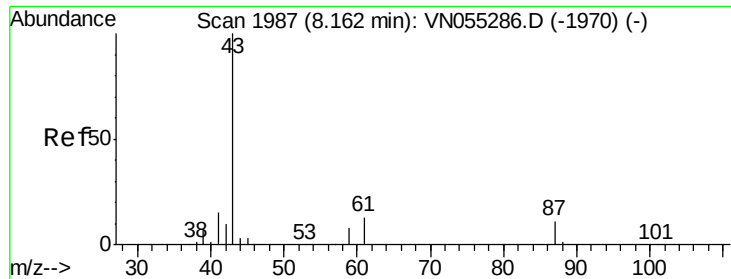
Abundance Ion 41.00 (40.70 to 41.70): V

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: 0.887 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.05 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

020-OUTFALL

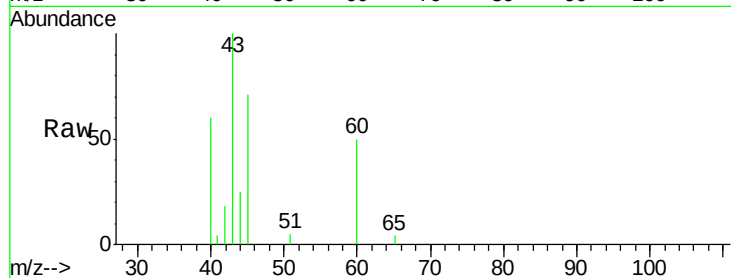
Tot Ion: 43 Resp: 6576

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

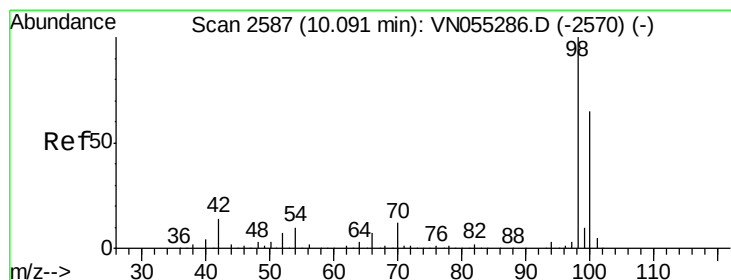
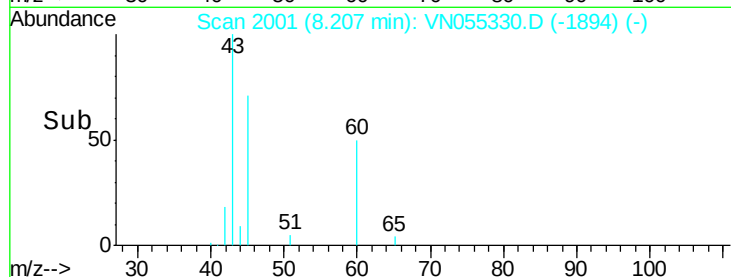
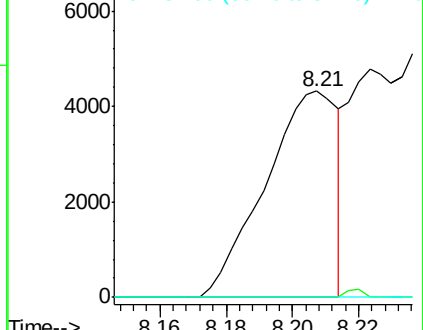
87 0.0 8.5 12.7#



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: 52.268 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055330.D

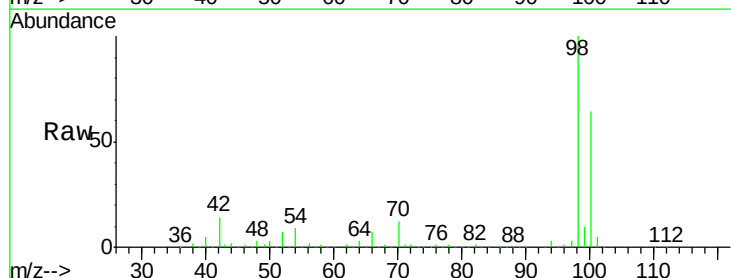
Acq: 1 May 2019 15:34

Tgt Ion: 98 Resp: 778447

Ion Ratio Lower Upper

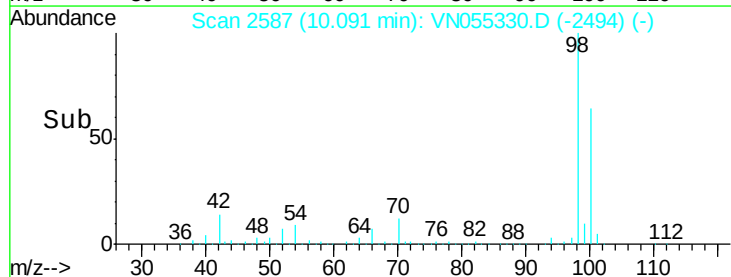
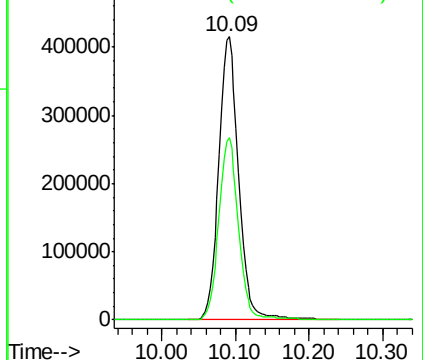
98 100

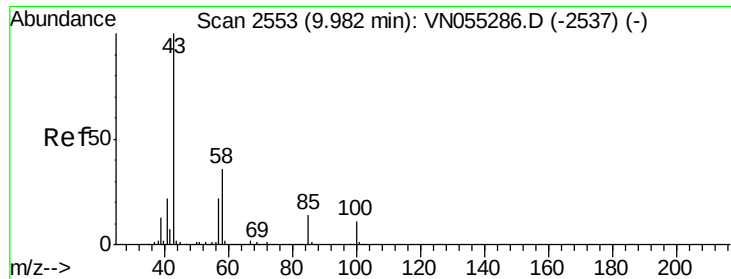
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.517 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

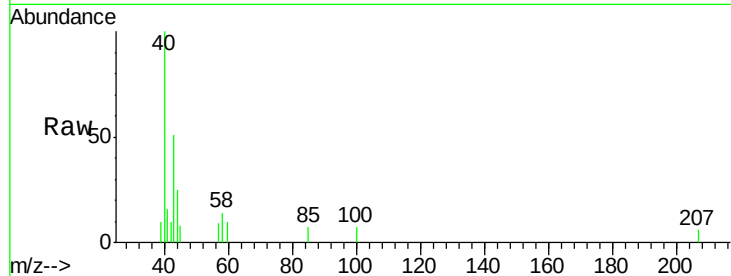
020-OUTFALL

Tot Ion: 43 Resp: 2160

Ion Ratio Lower Upper

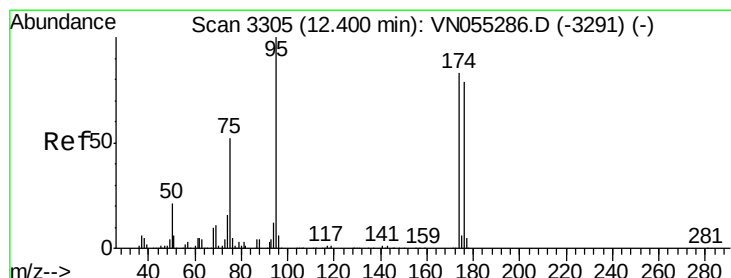
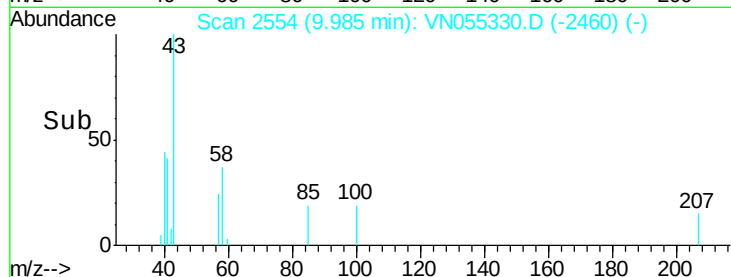
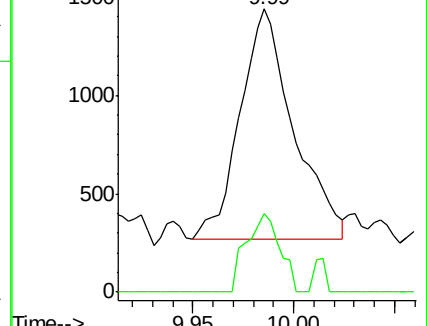
43 100

58 21.7 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

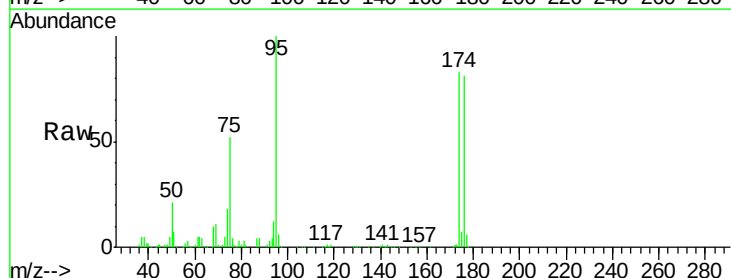
Tgt Ion: 95 Resp: 227703

Ion Ratio Lower Upper

95 100

174 83.9 0.0 166.6

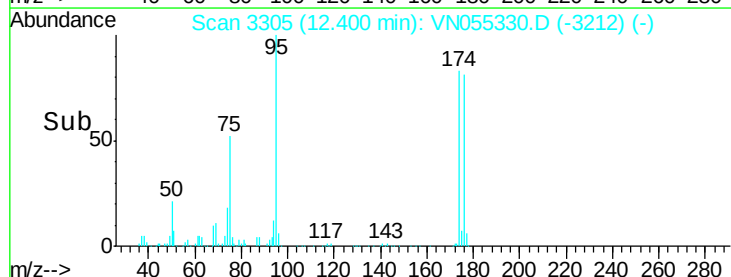
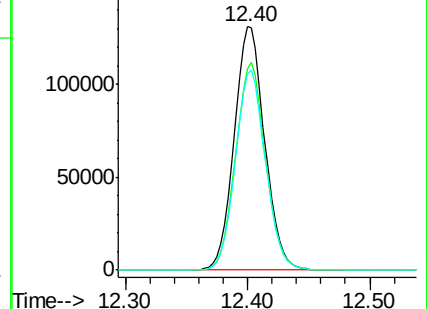
176 81.3 0.0 157.8

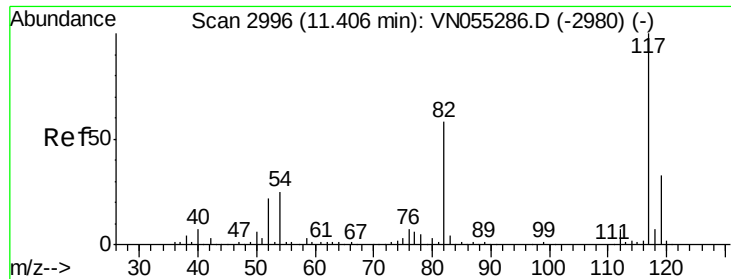


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

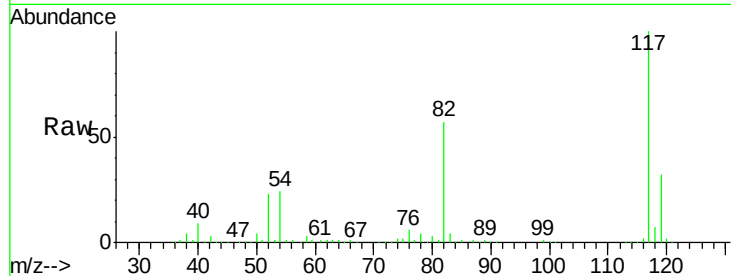




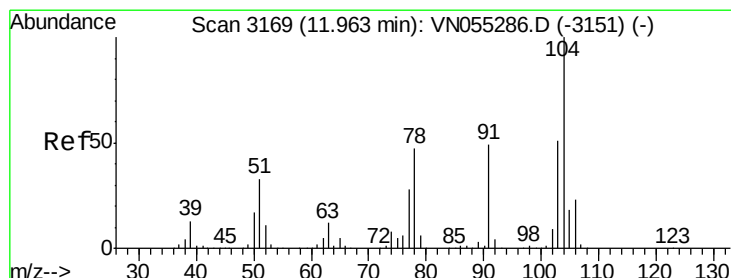
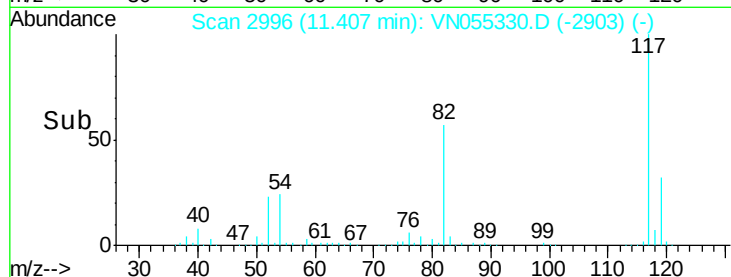
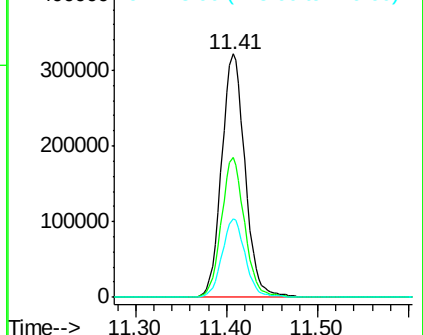
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055330.D
Acq: 1 May 2019 15:34

Instrument :
MSVOA_N
ClientSampleId :
020-OUTFALL

Tot Ion:117 Resp: 574331
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.4 26.6 40.0

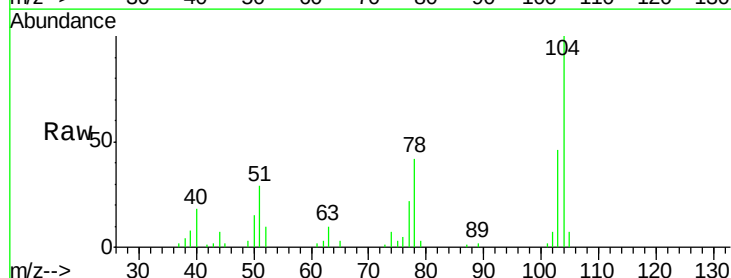


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

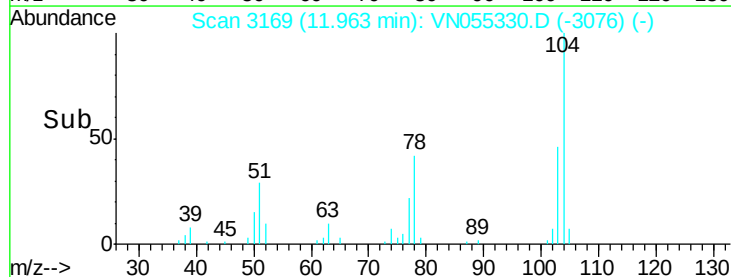
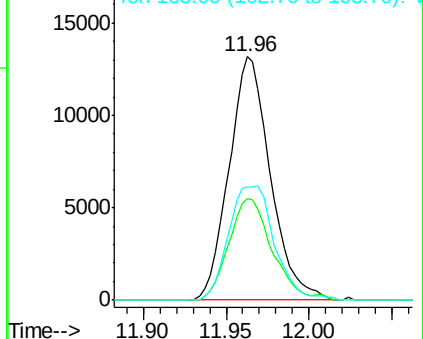


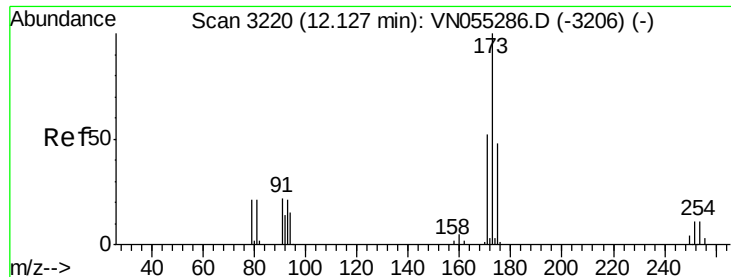
#70
Styrene
Concen: 2.074 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055330.D
Acq: 1 May 2019 15:34

Tgt Ion:104 Resp: 22842
Ion Ratio Lower Upper
104 100
78 42.9 42.2 63.2
103 51.8 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

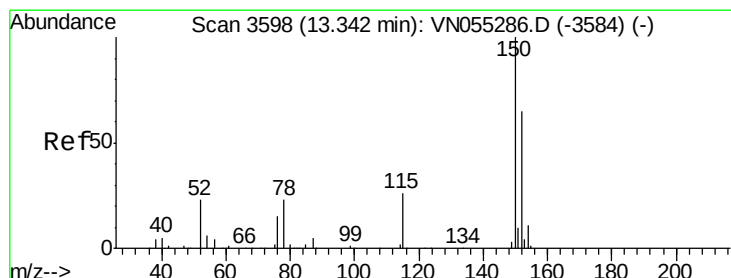
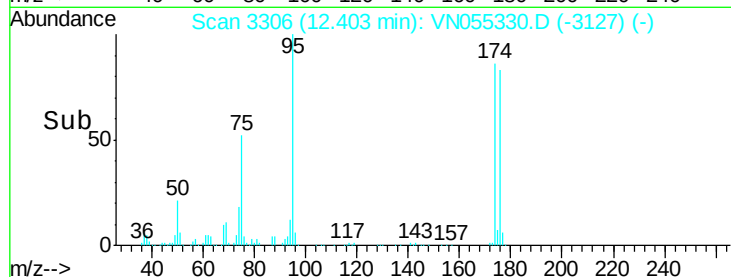
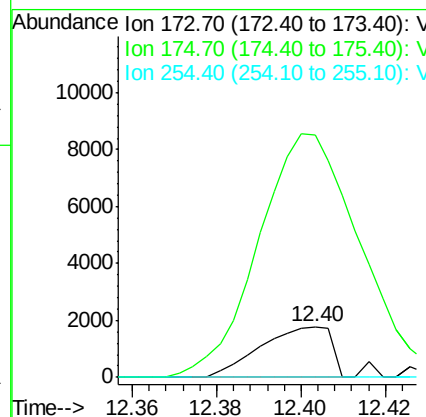
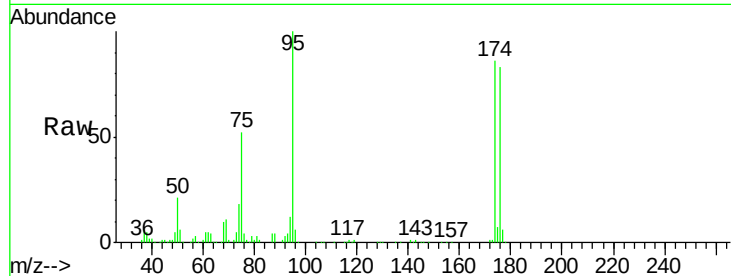




#71
Bromoform
Concen: 0.849 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055330.D
Acq: 1 May 2019 15:34

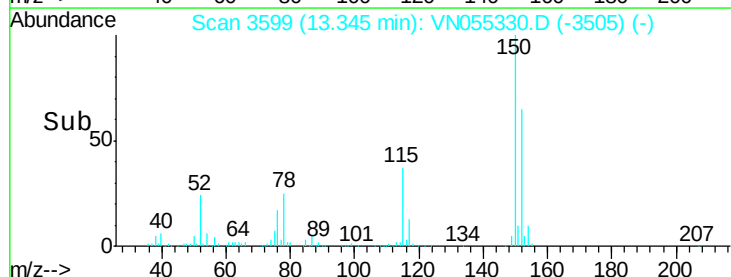
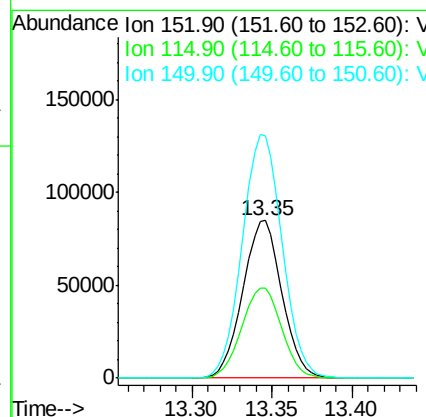
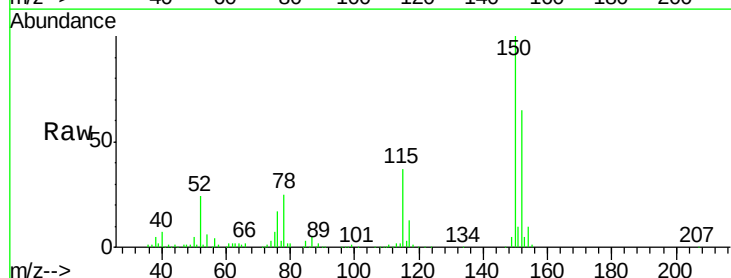
Instrument :
MSVOA_N
ClientSampled :
020-OUTFALL

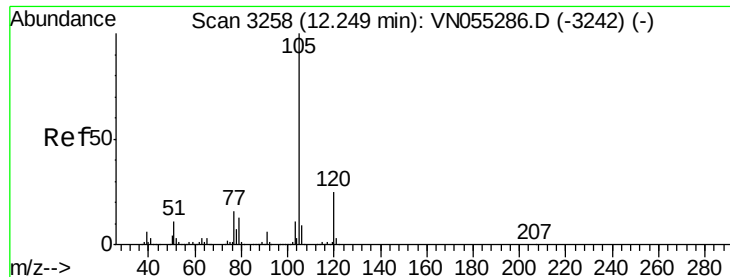
Tot Ion:173 Resp: 2072
Ion Ratio Lower Upper
173 100
175 590.3 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055330.D
Acq: 1 May 2019 15:34

Tgt Ion:152 Resp: 141862
Ion Ratio Lower Upper
152 100
115 58.6 29.0 87.0
150 157.9 0.0 345.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.39 min Scan# 3303

Delta R.T. 0.15 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

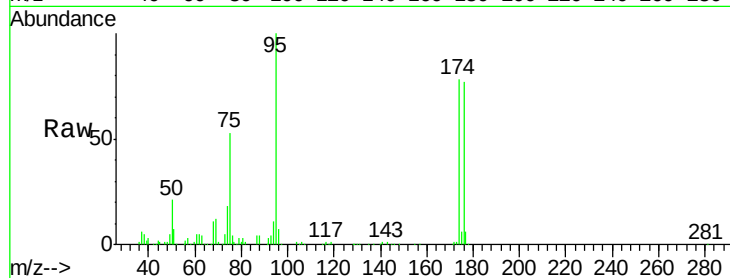
020-OUTFALL

Tot Ion:105 Resp: 62

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

12.39

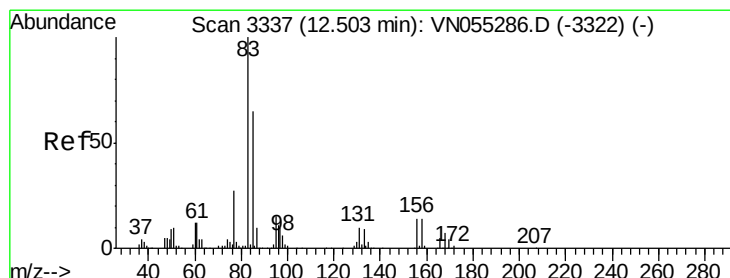
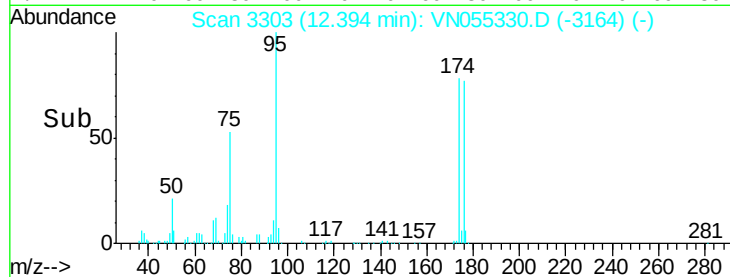
150

100

50

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

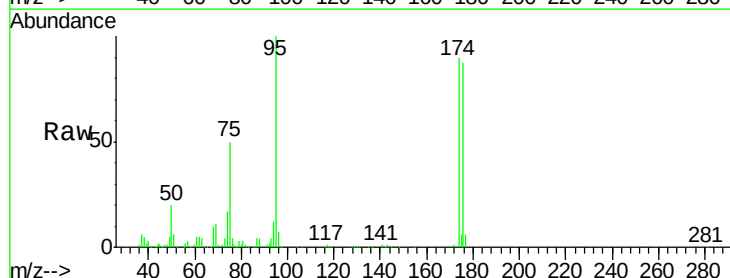
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 160.9 5.1 15.2#

85 0.0 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

250

200

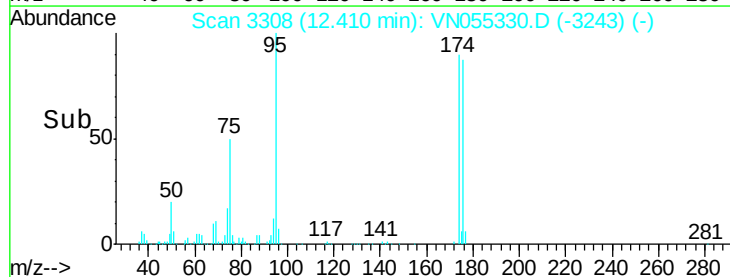
150

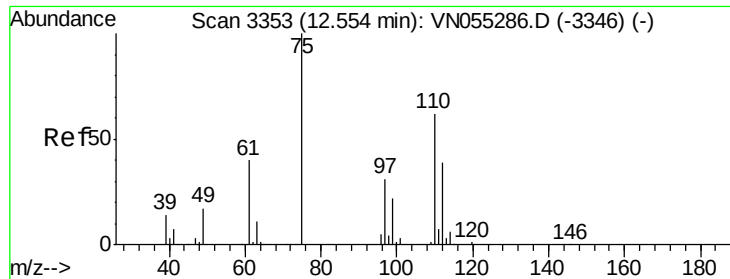
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 44.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

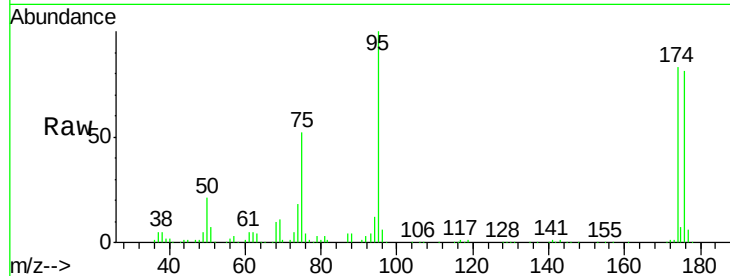
020-OUTFALL

Tot Ion: 75 Resp: 118311

Ion Ratio Lower Upper

75 100

77 1.4 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

80000

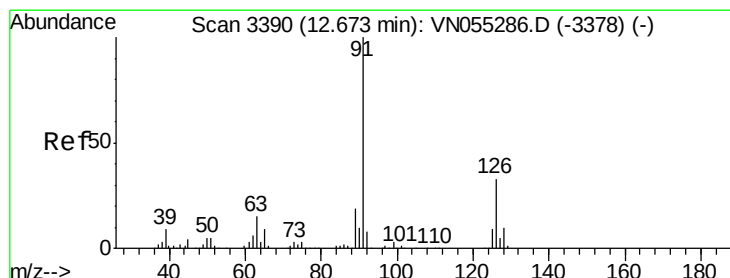
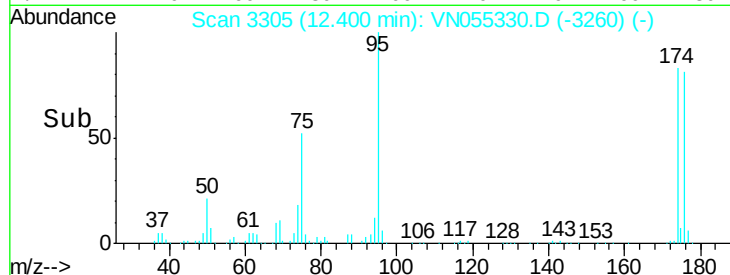
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN055330.D

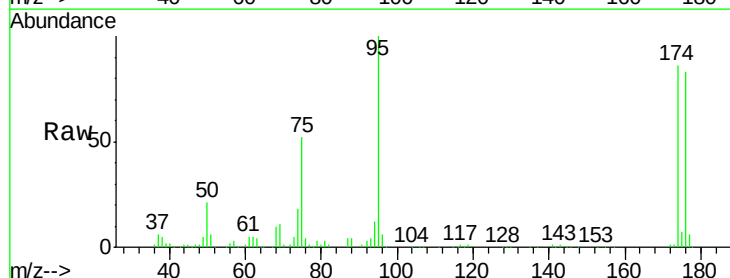
Acq: 1 May 2019 15:34

Tgt Ion: 91 Resp: 981

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

800

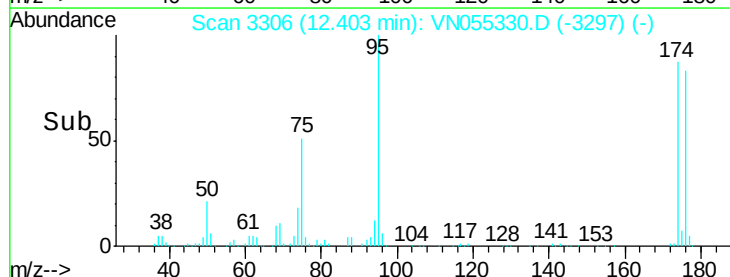
600

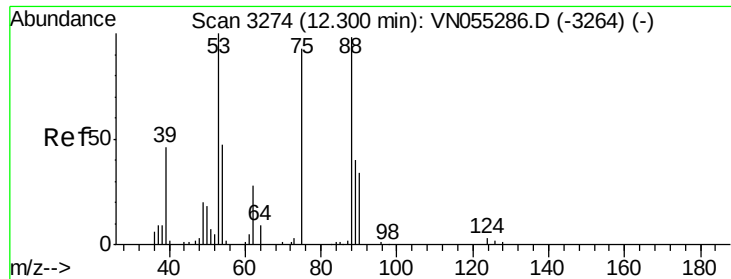
400

200

0

Time--> 12.38 12.40 12.42





#81

trans-1,4-Dichloro-2-butene

Concen: 158.046 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055330.D

Acq: 1 May 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

020-OUTFALL

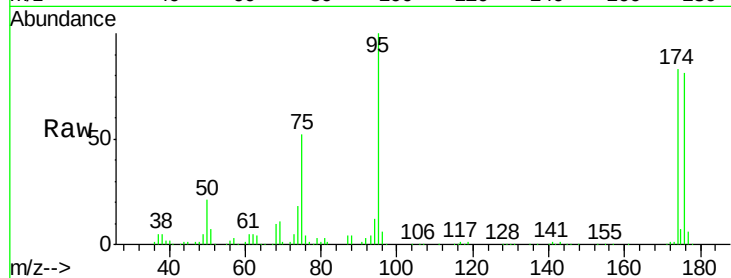
Tot Ion: 75 Resp: 118311

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

