

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012220\
 Data File : VN059827.D
 Acq On : 22 Jan 2020 13:18
 Operator : JC/MD
 Sample : L1220-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200121

Quant Time: Jan 22 17:32:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109603	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109155	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
35) Dibromofluoromethane	7.57	113	92878	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	10.08	98	363057	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	119262	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	

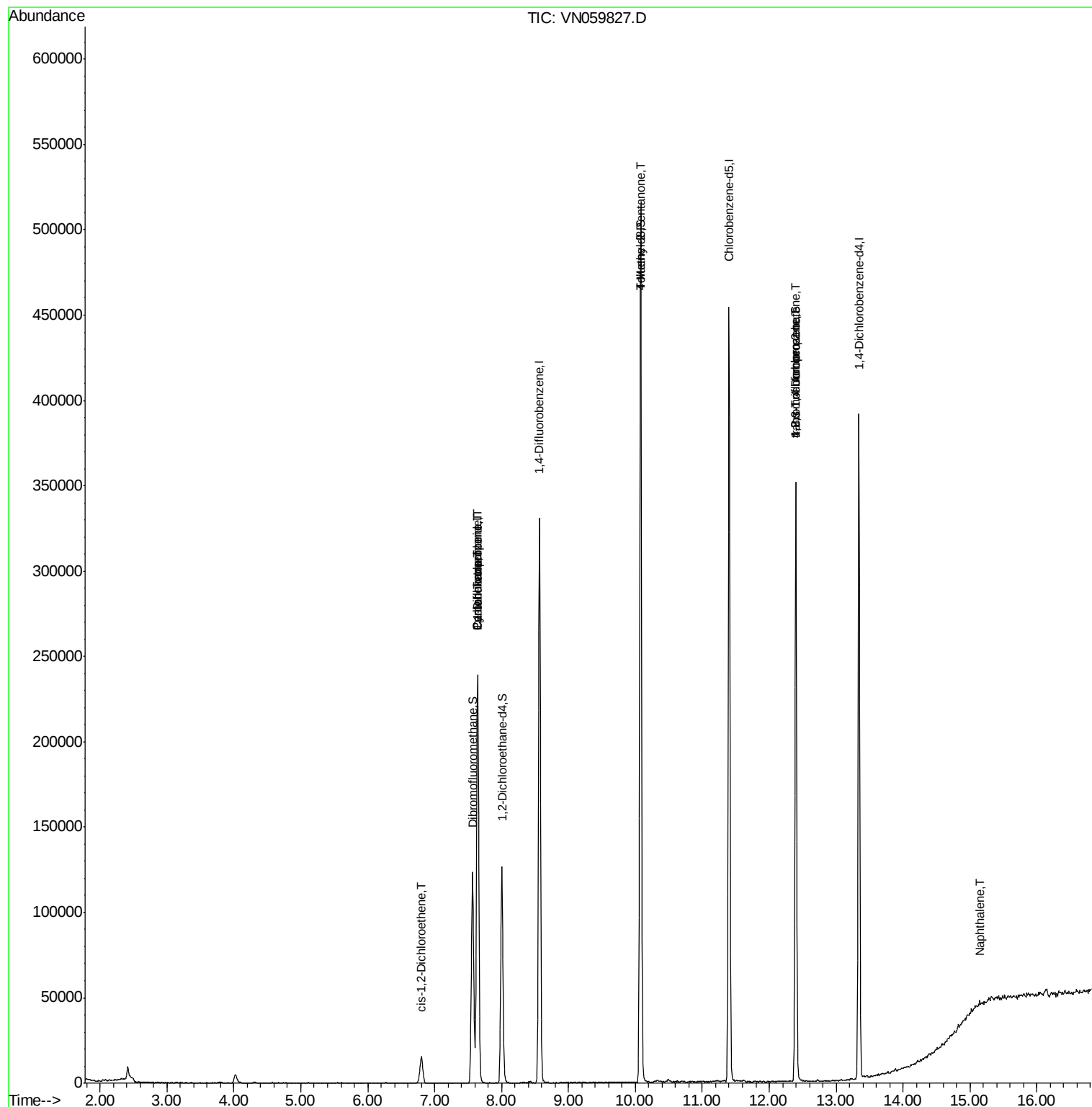
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	776	Below Cal	#	45
27) cis-1,2-Dichloroethene	6.80	96	10862	4.68	ug/l	76
31) Cyclohexane	7.64	56	3882	1.14	ug/l	# 1
36) 1,1-Dichloropropene	7.64	75	13723	5.06	ug/l	# 51
38) Carbon Tetrachloride	7.64	117	18775	6.36	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.08	43	1621	0.64	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	60252	32.67	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	60252	70.15	ug/l	# 11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66	Below Cal	#	6
95) Naphthalene	15.14	128	1221	0.20	ug/l	# 69

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

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

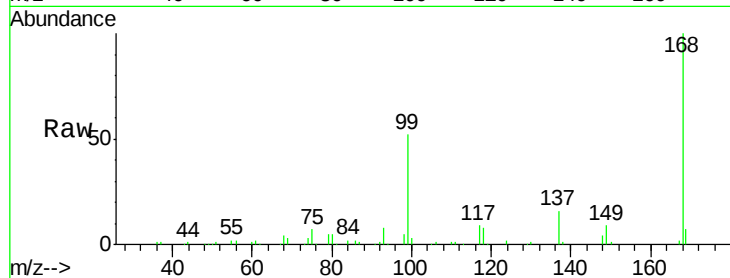
OUTFALL001-200121

Tgt Ion: 168 Resp: 207381

Ion Ratio Lower Upper

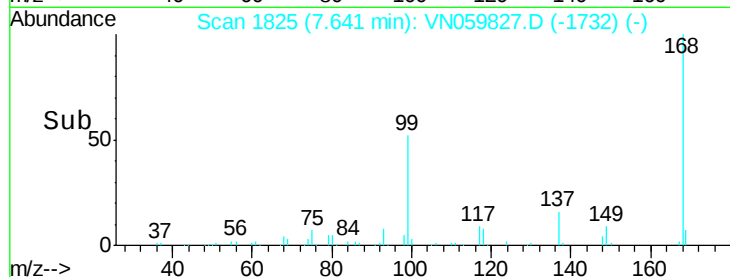
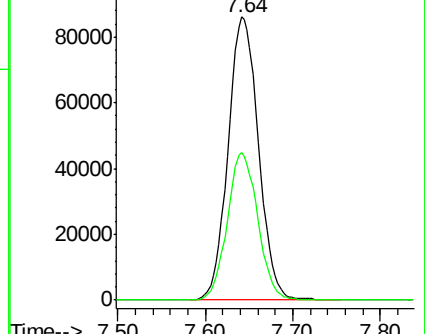
168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059827.D

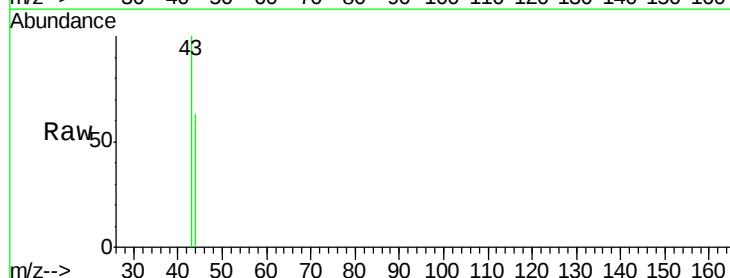
Acq: 22 Jan 2020 13:18

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

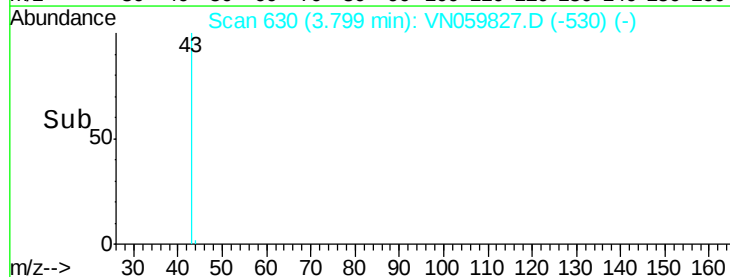
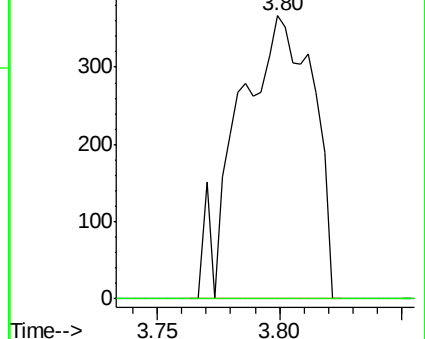
43 100

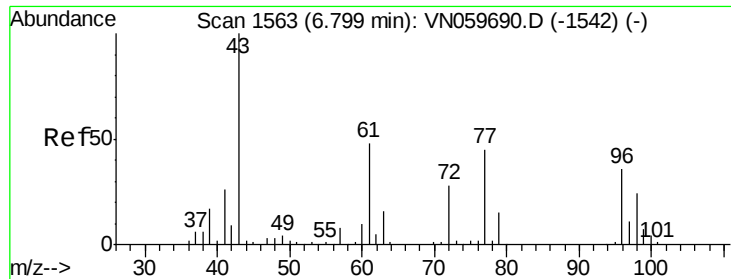
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#27

cis-1,2-Dichloroethene

Concen: 4.68 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200121

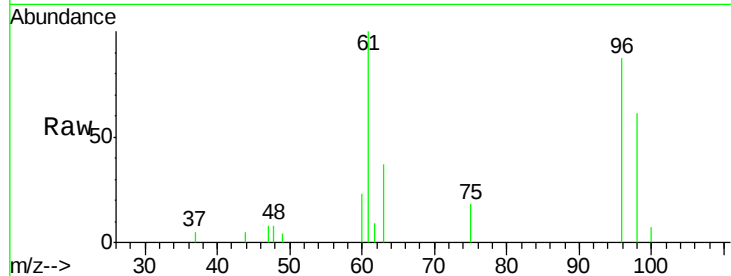
Tgt Ion: 96 Resp: 10862

Ion Ratio Lower Upper

96 100

61 115.1 0.0 317.6

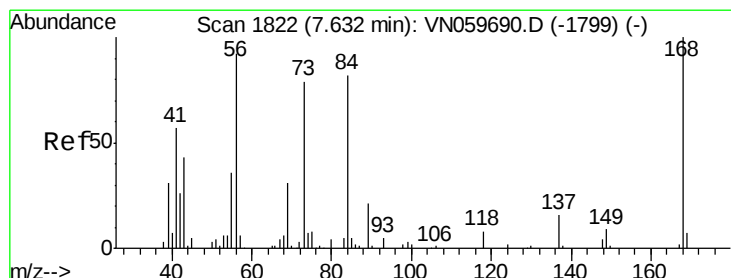
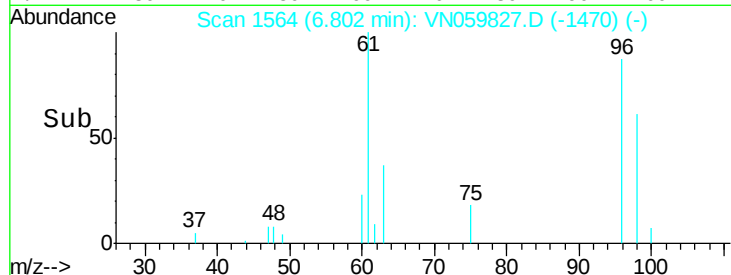
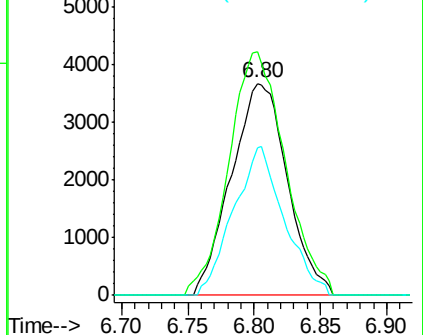
98 63.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

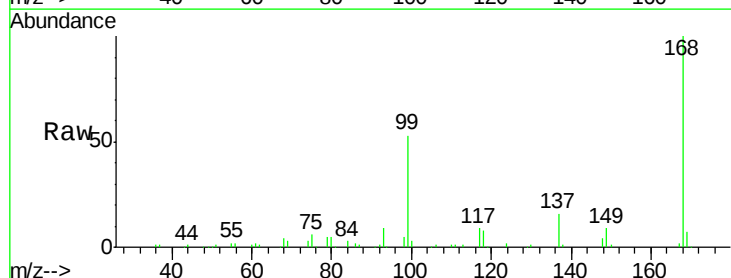
Tgt Ion: 56 Resp: 3882

Ion Ratio Lower Upper

56 100

69 170.0 26.5 39.7#

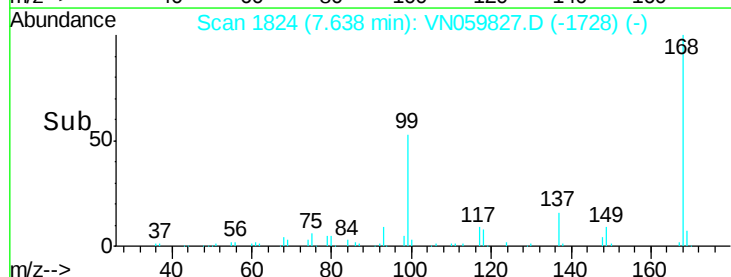
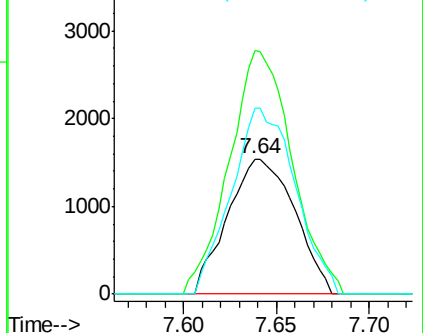
84 137.2 65.3 97.9#

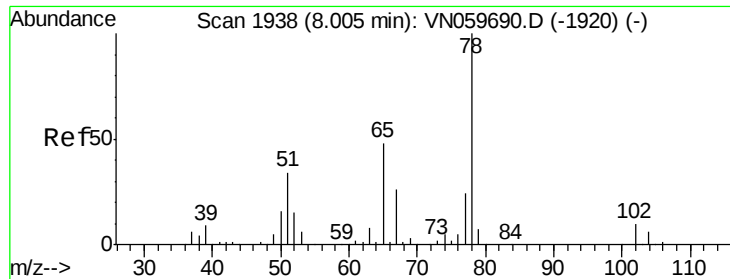


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

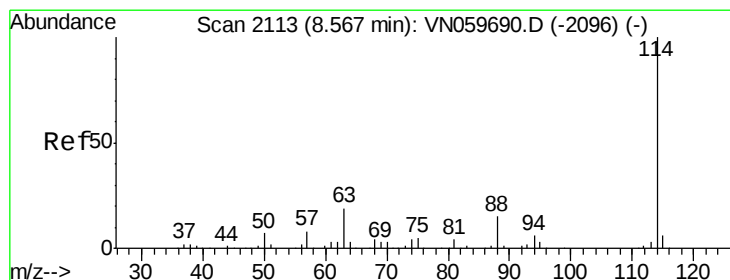
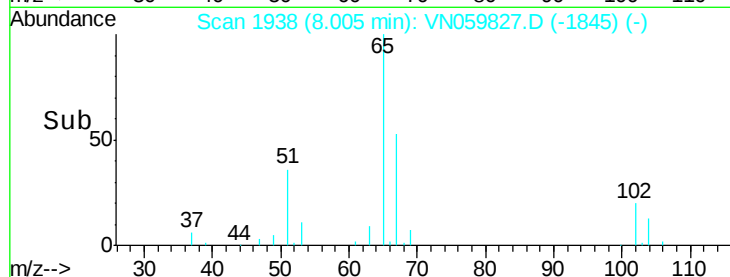
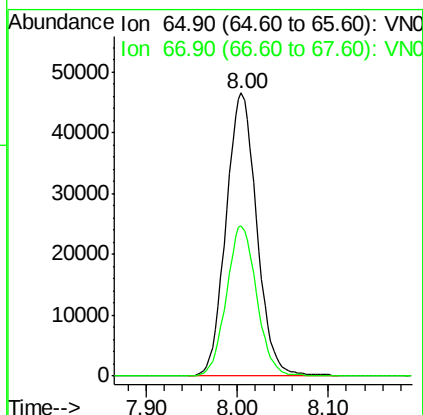
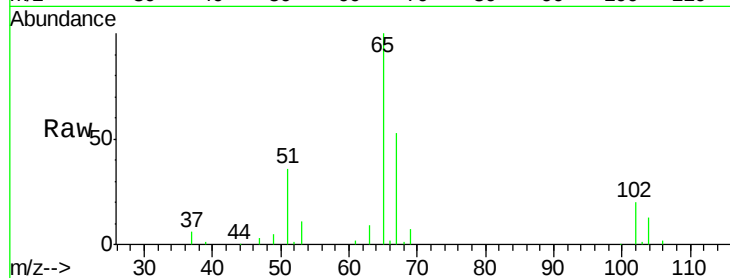




#33
 1,2-Dichloroethane-d4
 Concen: 47.40 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

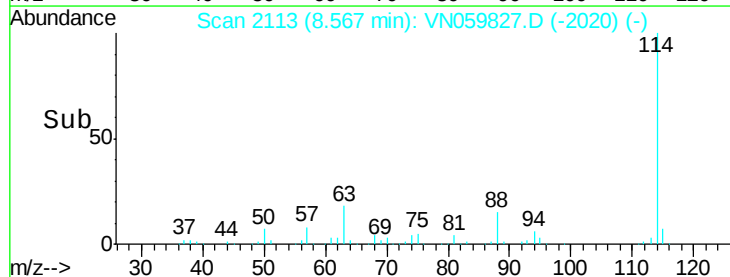
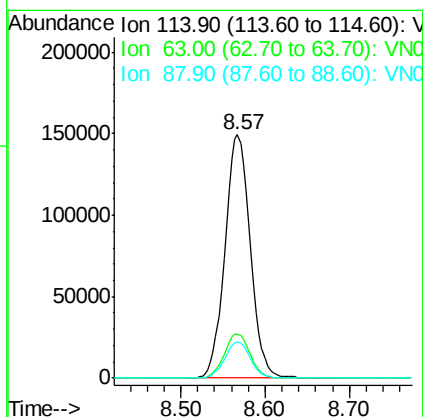
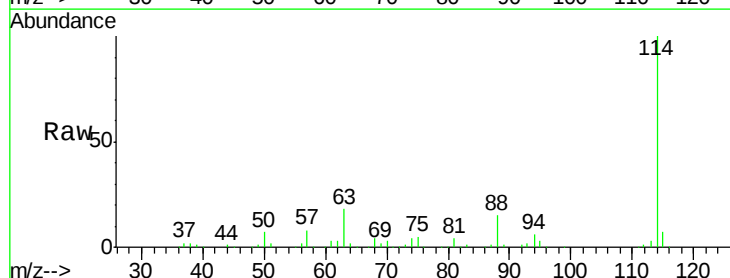
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200121

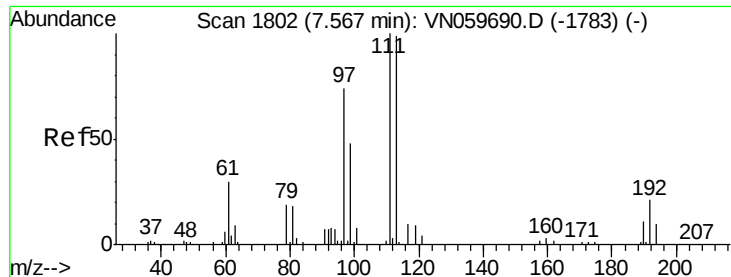
Tgt Ion: 65 Resp: 109155
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

Tgt Ion: 114 Resp: 311426
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.01 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200121

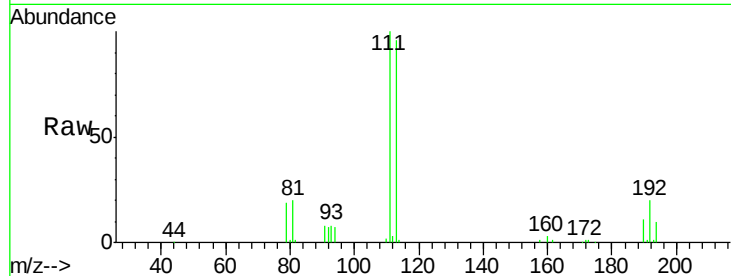
Tgt Ion:113 Resp: 92878

Ion Ratio Lower Upper

113 100

111 104.9 83.5 125.3

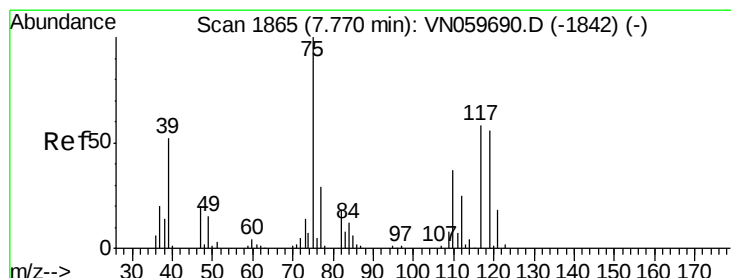
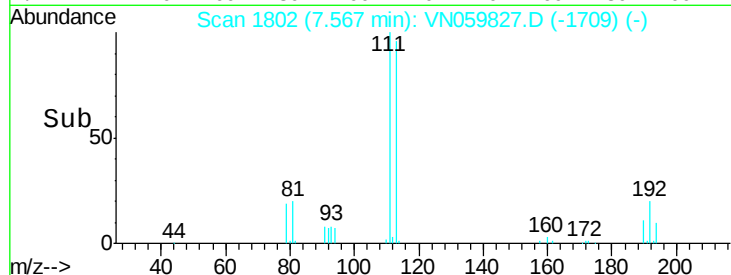
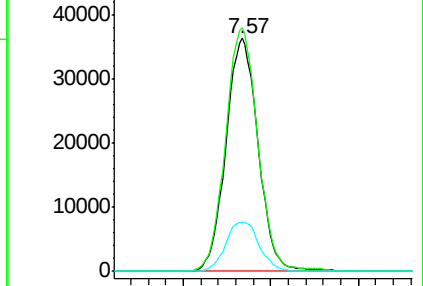
192 21.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.06 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

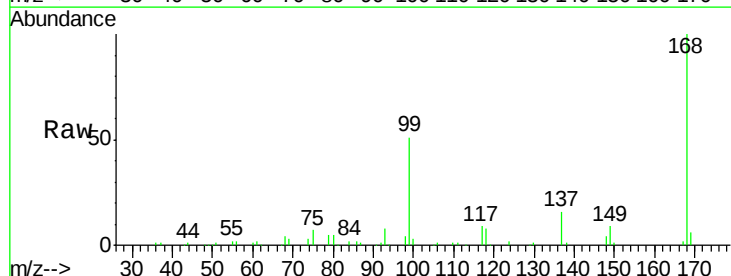
Tgt Ion: 75 Resp: 13723

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.7#

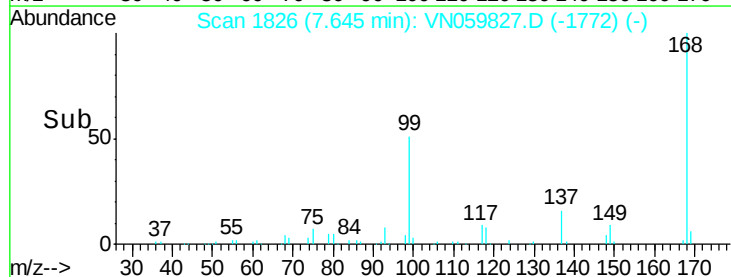
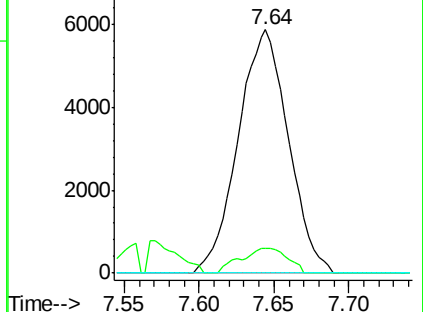
77 0.0 25.1 37.7#

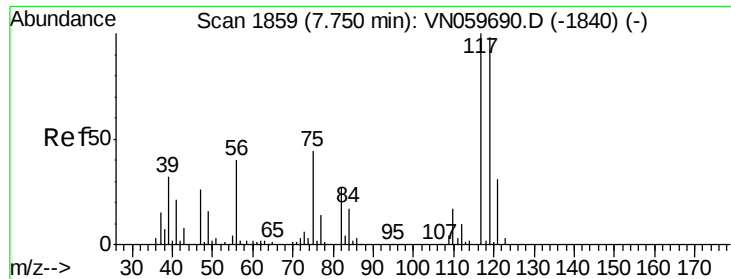


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.36 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200121

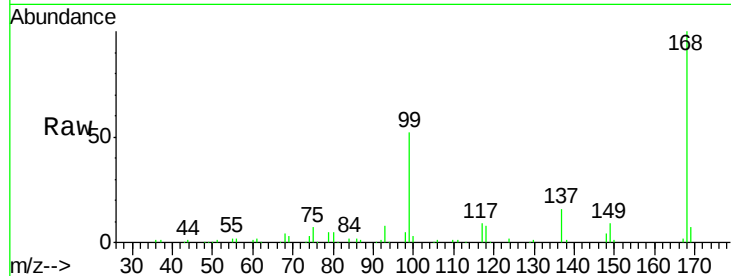
Tgt Ion:117 Resp: 18775

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

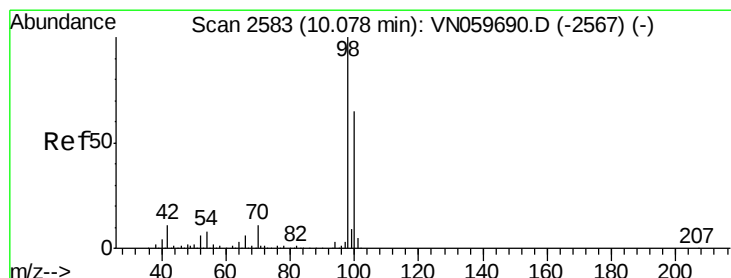
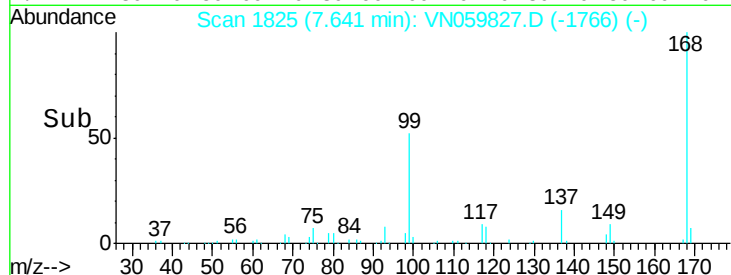
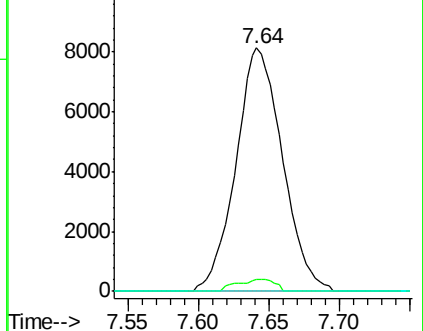
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 50.46 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059827.D

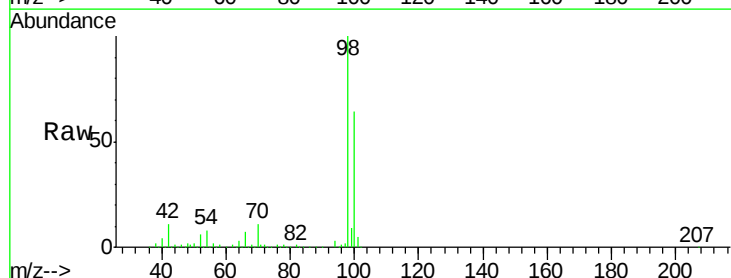
Acq: 22 Jan 2020 13:18

Tgt Ion: 98 Resp: 363057

Ion Ratio Lower Upper

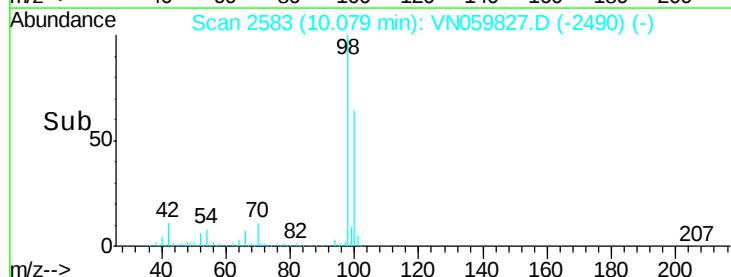
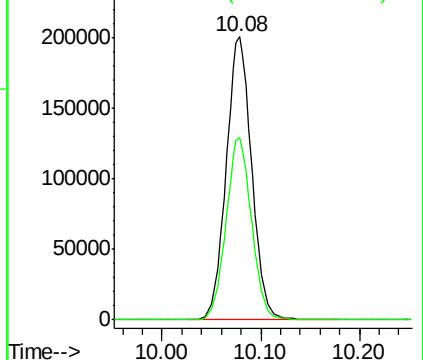
98 100

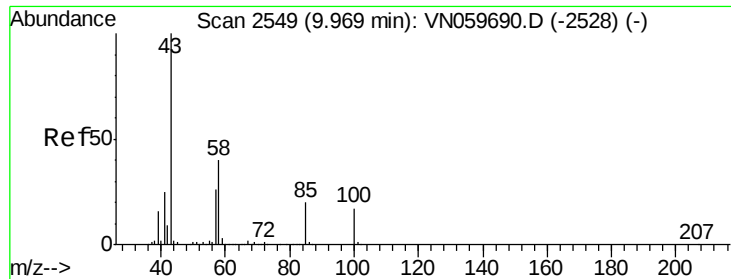
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

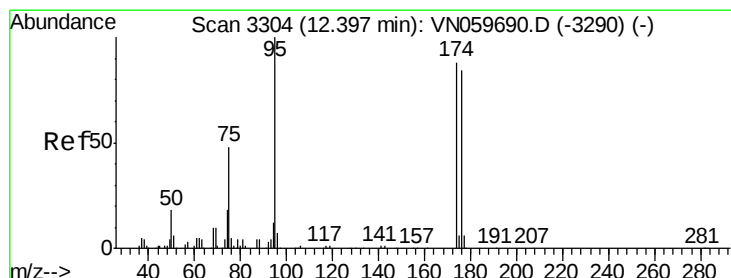
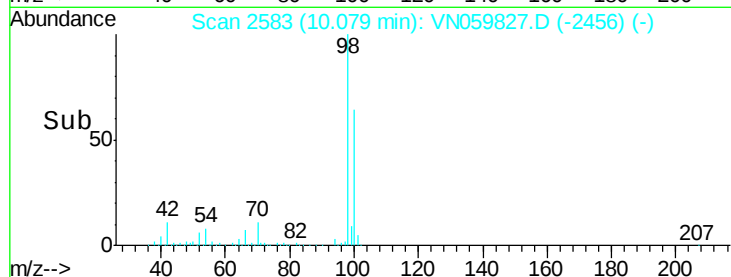
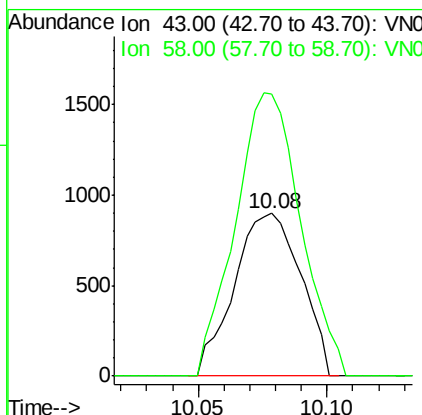
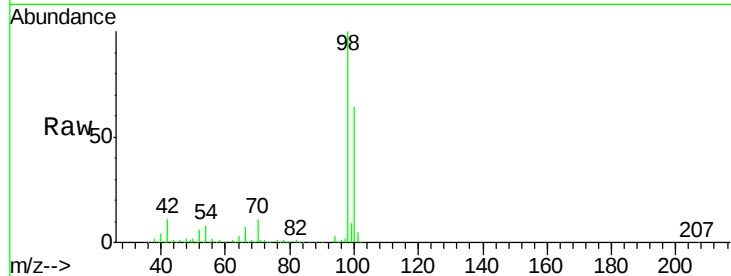




#51
 4-Methyl-2-Pentanone
 Concen: 0.64 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.11 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

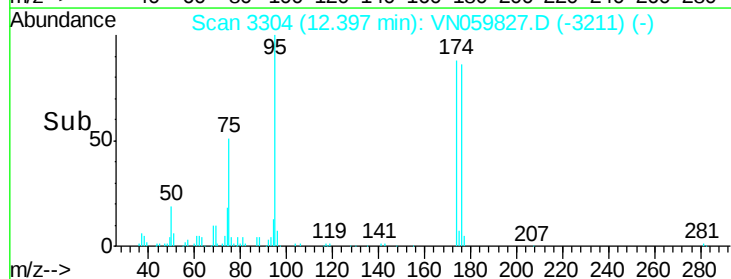
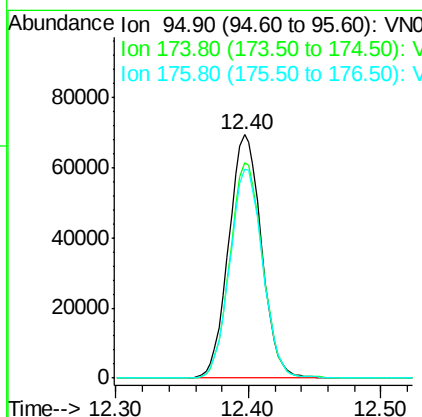
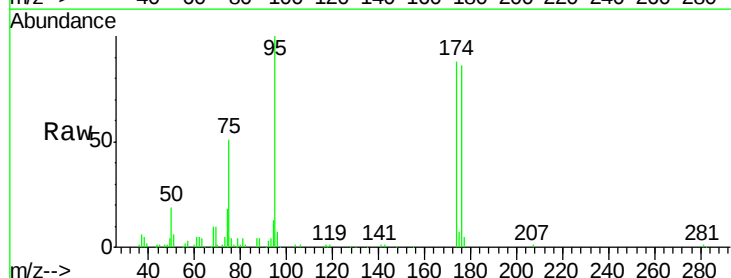
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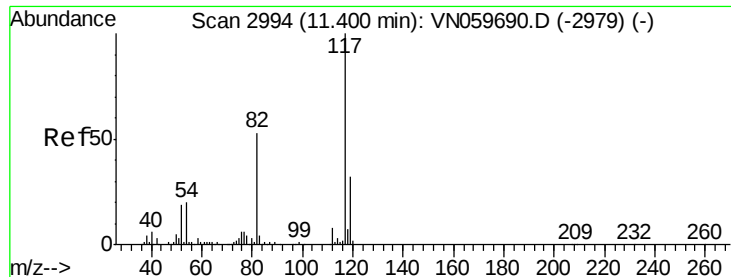
Tgt Ion: 43 Resp: 1621
 Ion Ratio Lower Upper
 43 100
 58 170.2 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 45.98 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

Tgt Ion: 95 Resp: 119262
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 151.4
 176 86.2 0.0 146.0

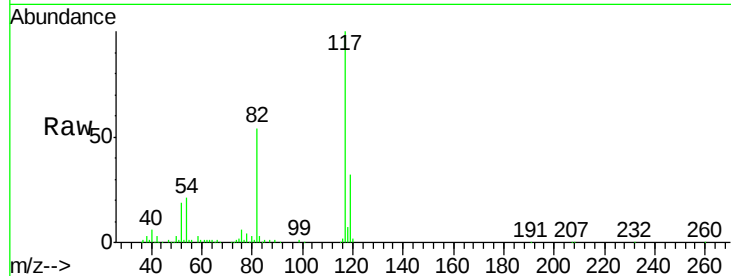




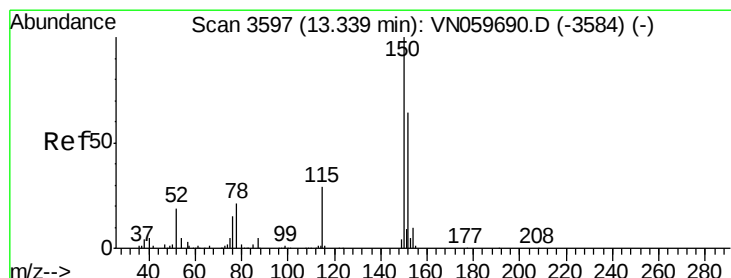
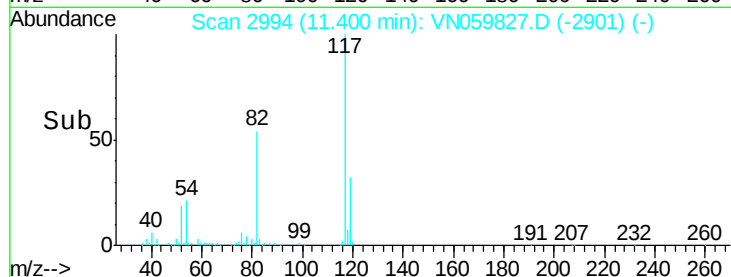
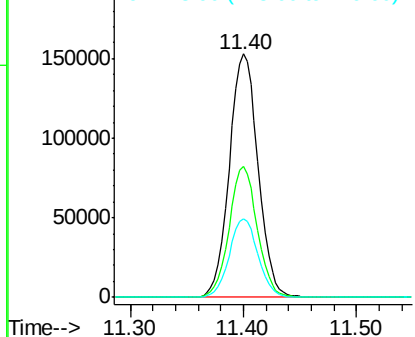
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059827.D
Acq: 22 Jan 2020 13:18

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL001-200121

Tgt Ion:117 Resp: 270463
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.5 25.5 38.3

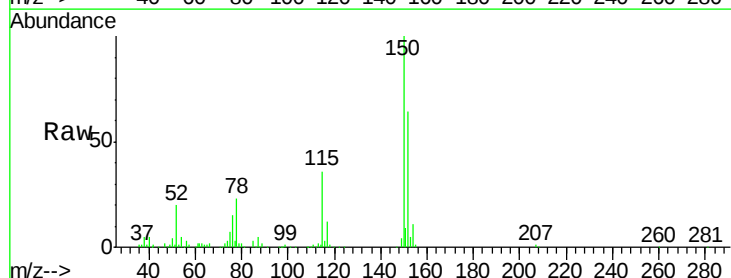


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

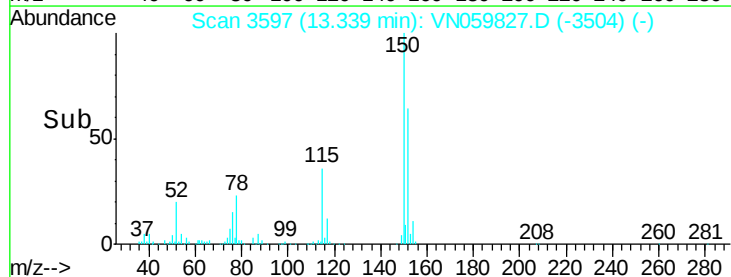
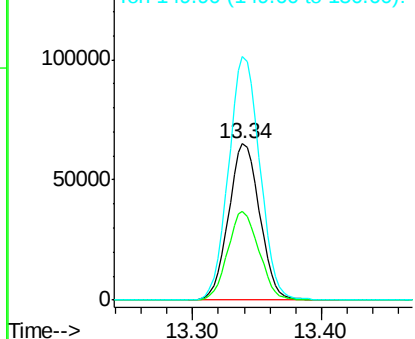


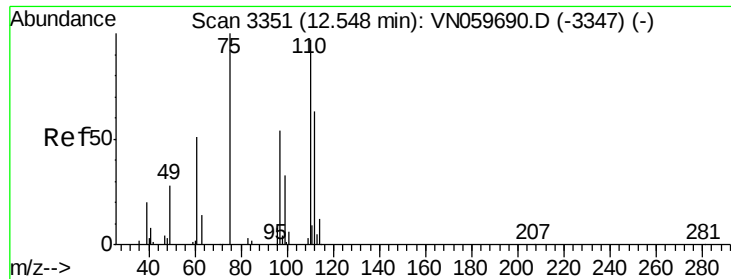
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059827.D
Acq: 22 Jan 2020 13:18

Tgt Ion:152 Resp: 109603
Ion Ratio Lower Upper
152 100
115 56.5 30.3 90.9
150 155.7 0.0 345.2



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

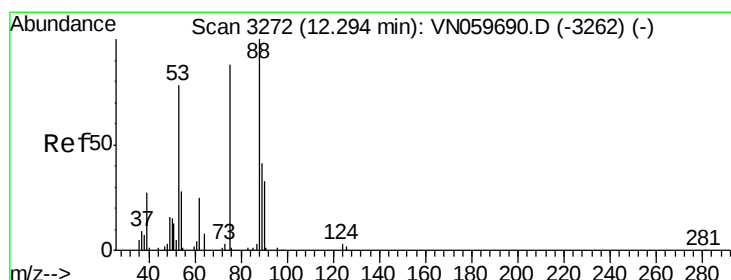
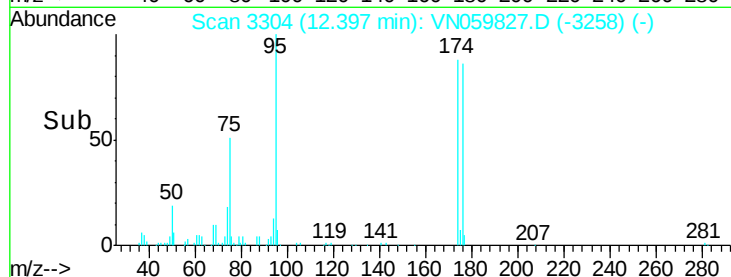
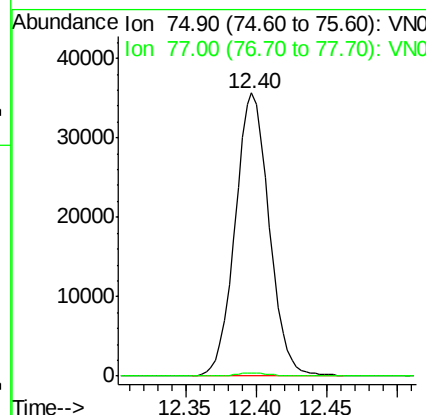
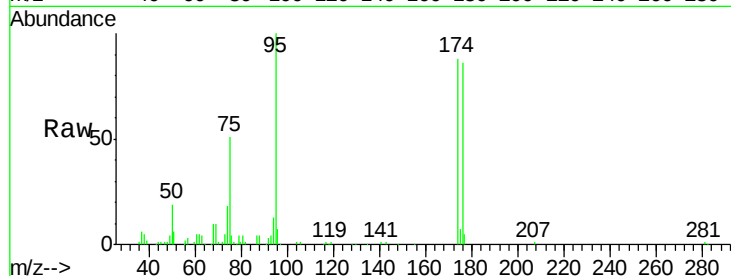




#76
 1,2,3-Trichloropropane
 Concen: 32.67 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

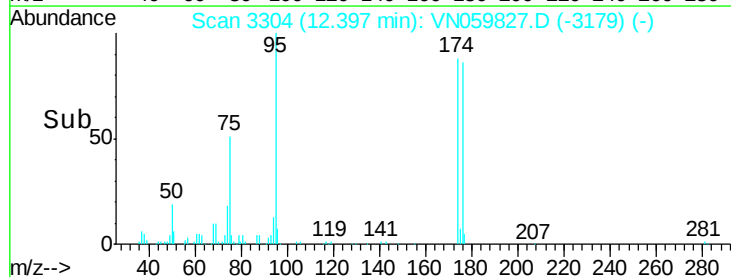
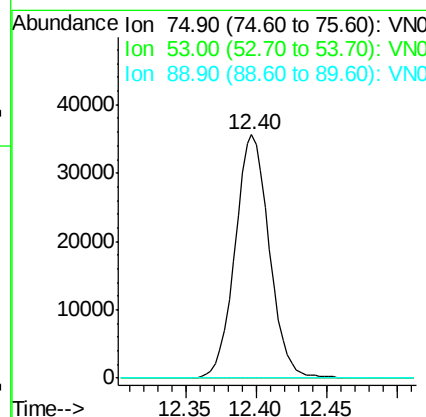
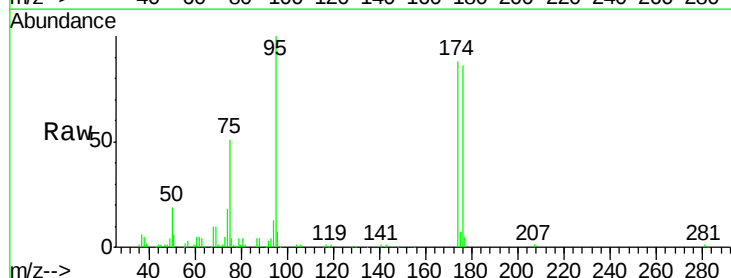
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200121

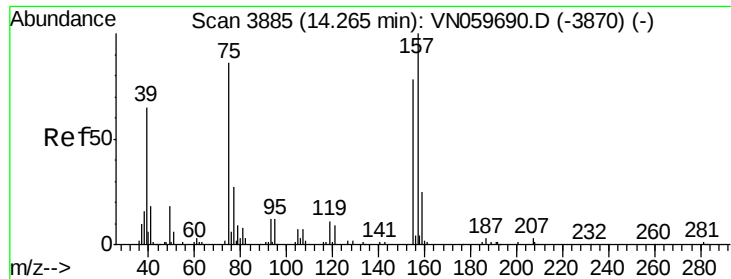
Tgt Ion: 75 Resp: 60252
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.15 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059827.D
 Acq: 22 Jan 2020 13:18

Tgt Ion: 75 Resp: 60252
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200121

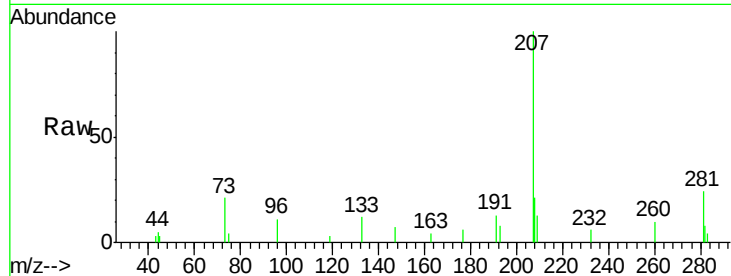
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

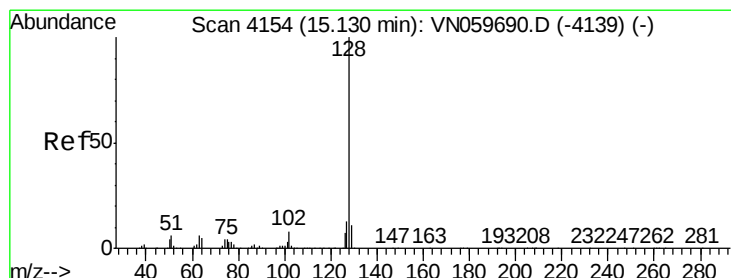
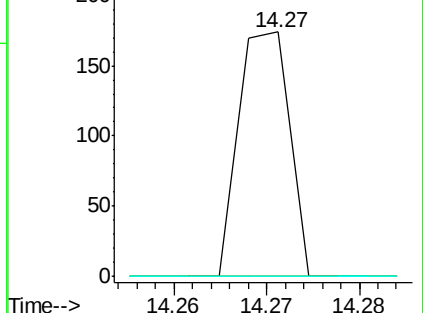
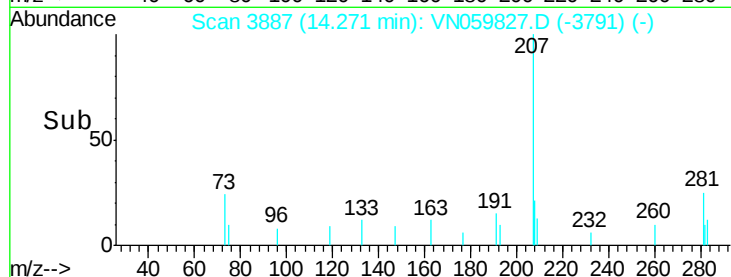
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059827.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059827.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059827.D (-3791) (-)



#95

Naphthalene

Concen: 0.20 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059827.D

Acq: 22 Jan 2020 13:18

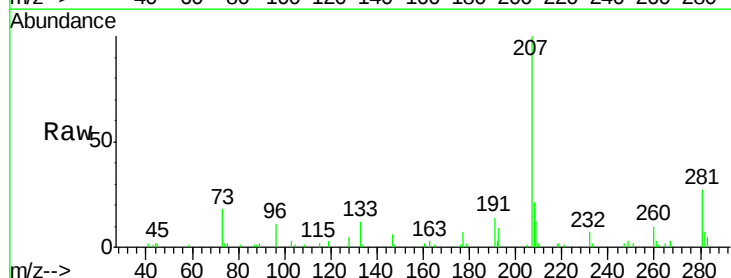
Tgt Ion: 128 Resp: 1221

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059827.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059827.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059827.D (-4061) (-)

