

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053315.D
 Acq On : 8 Jan 2019 15:40
 Operator : MD\SY
 Sample : K1085-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001

Quant Time: Jan 09 00:11:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1143389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1743317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1596670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	639395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	547638	46.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.08%	
35) Dibromofluoromethane	7.59	113	491913	49.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.14%	
50) Toluene-d8	10.09	98	2144281	50.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	719241	47.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.98%	

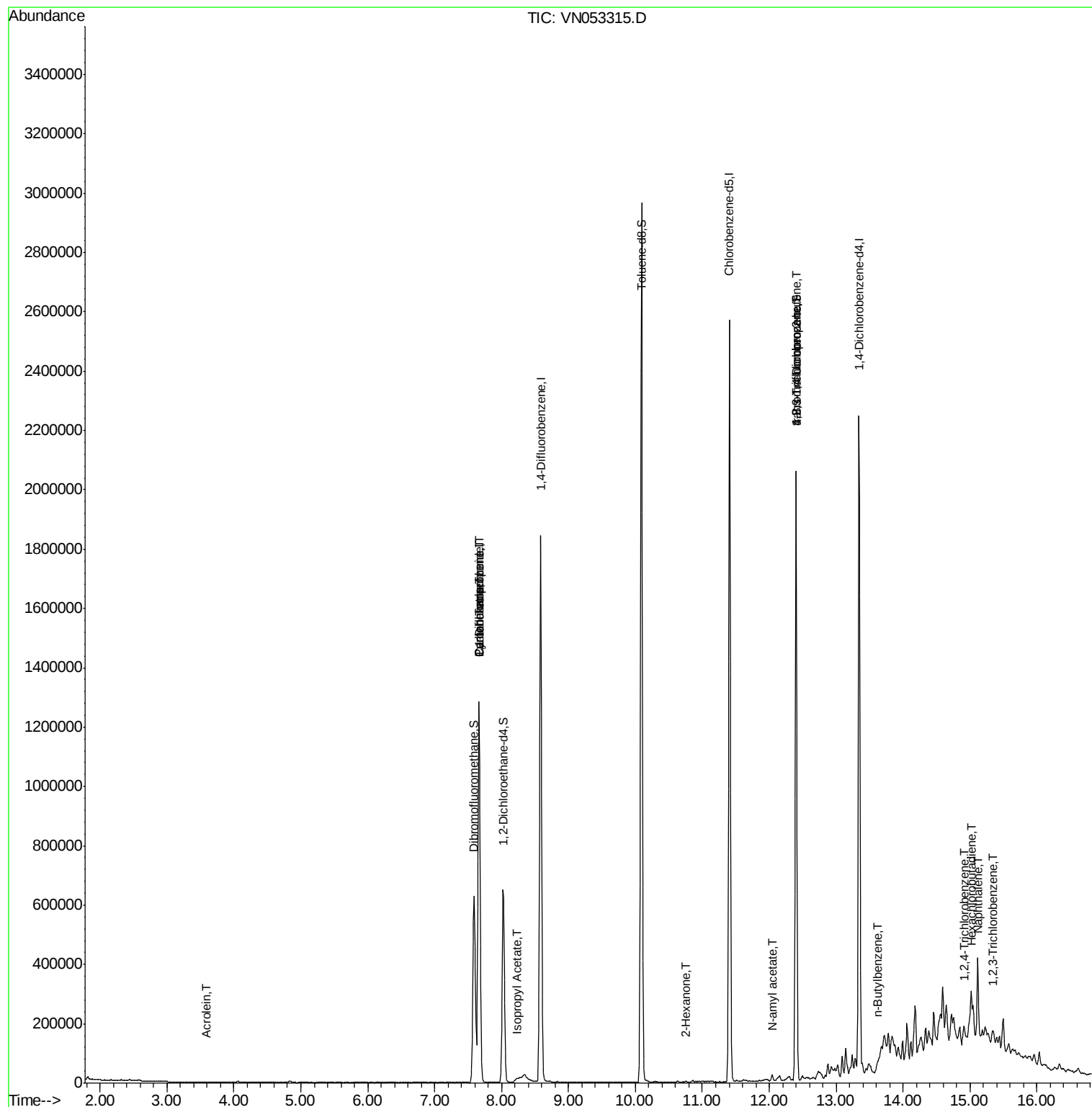
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	180	0.200	ug/l #	13
16) Acetone	3.82	43	3665	Below Cal	#	87
31) Cyclohexane	7.66	56	18643	0.727	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	72626	4.462	ug/l #	49
38) Carbon Tetrachloride	7.66	117	98710	6.571	ug/l #	16
43) Isopropyl Acetate	8.22	43	8781	0.421	ug/l #	52
59) 2-Hexanone	10.75	43	1448	0.202	ug/l	76
74) N-amyl acetate	12.04	43	5033	0.354	ug/l #	66
76) 1,2,3-Trichloropropane	12.40	75	330969	35.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	330969	104.415	ug/l #	14
89) n-Butylbenzene	13.62	91	8994	0.279	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	5053	0.767	ug/l #	90
94) Hexachlorobutadiene	15.01	225	4577	0.849	ug/l	95
95) Naphthalene	15.13	128	9886	0.879	ug/l #	66
96) 1,2,3-Trichlorobenzene	15.33	180	6364	1.475	ug/l #	61

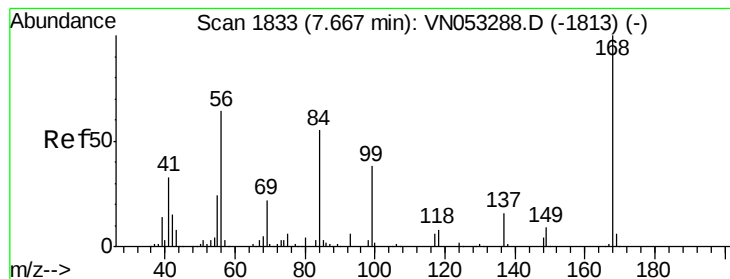
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Instrument :

MSVOA_N

ClientSampled :

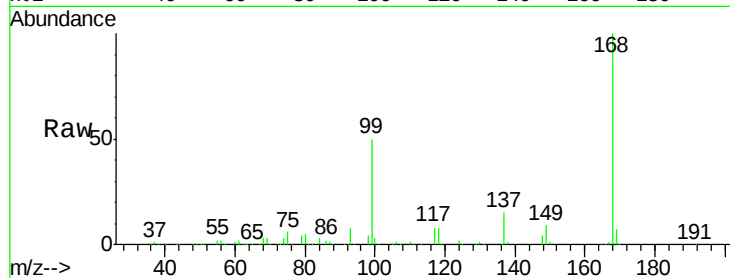
DSN001

Tot Ion:168 Resp: 1143389

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053315.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053315.D (-1740) (-)

7.66

500000

400000

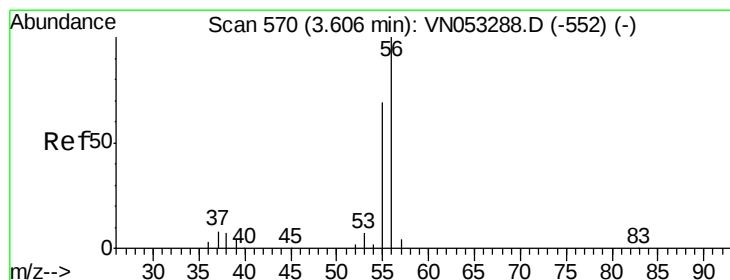
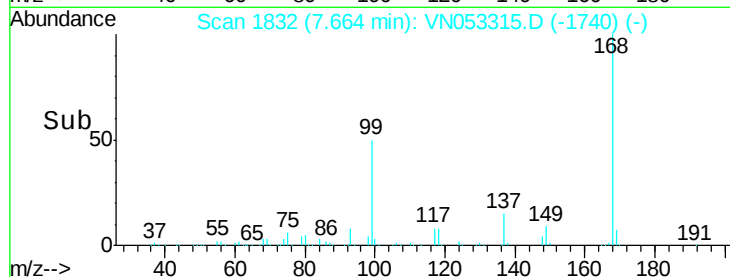
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.200 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.02 min

Lab File: VN053315.D

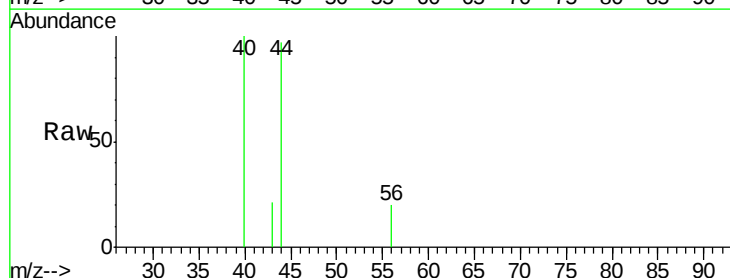
Acq: 8 Jan 2019 15:40

Tgt Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 142.2 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053315.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053315.D (-477) (-)

3.59

300

250

200

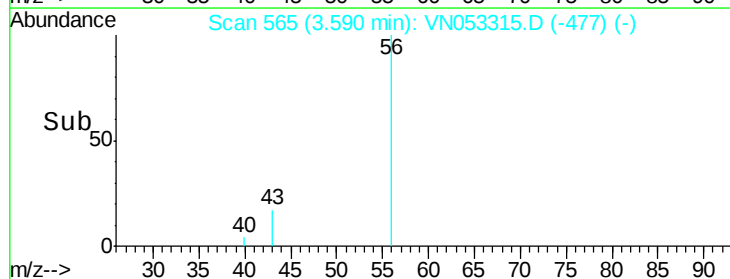
150

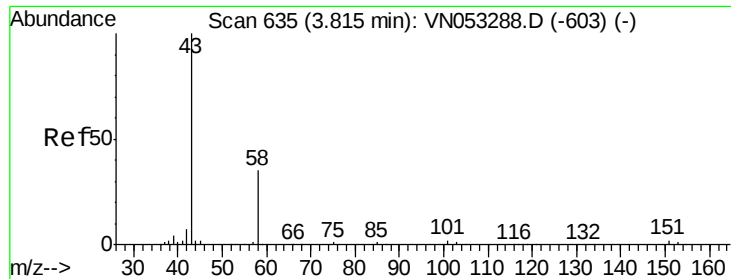
100

50

0

Time-->

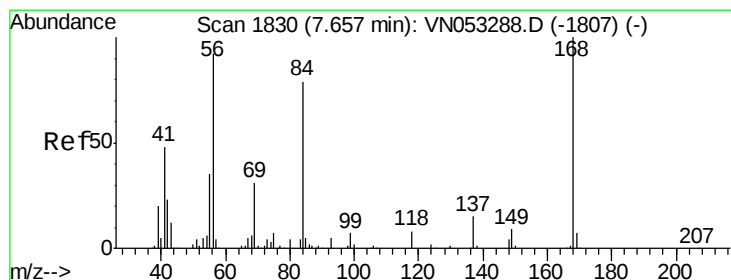
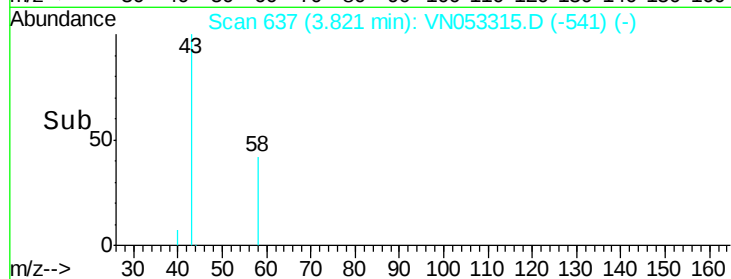
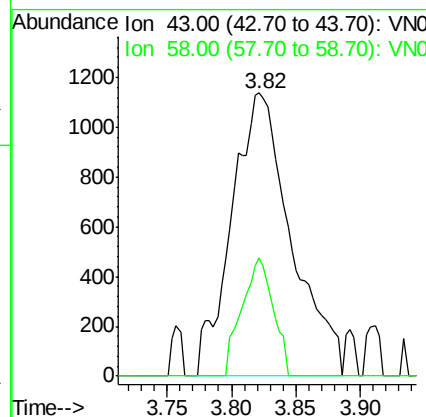
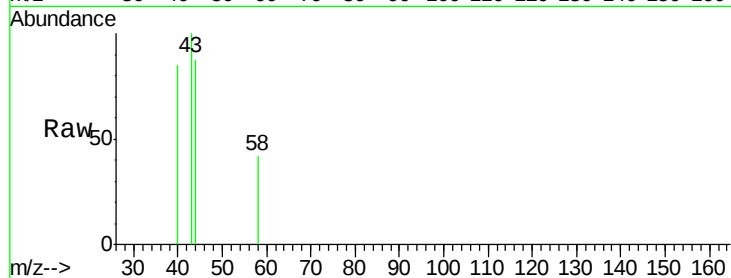




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

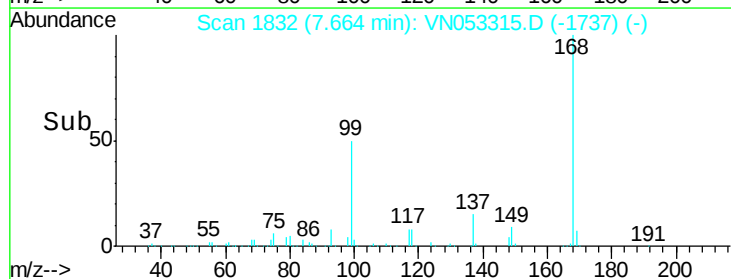
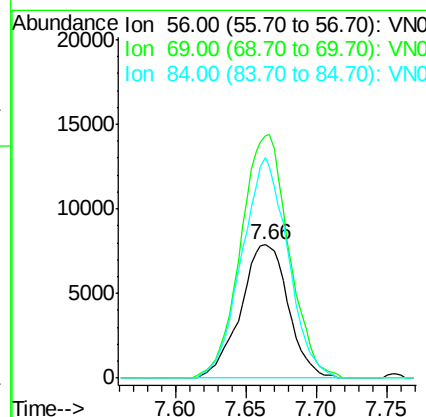
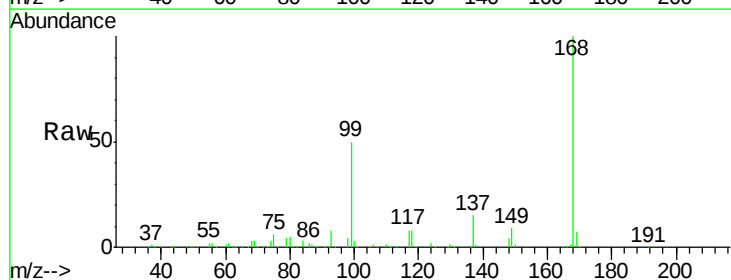
Instrument :
MSVOA_N
ClientSampled :
DSN001

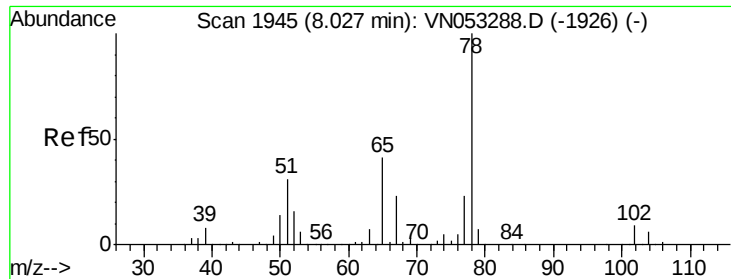
Tot Ion: 43 Resp: 3665
Ion Ratio Lower Upper
43 100
58 42.0 27.8 41.6#



#31
Cyclohexane
Concen: 0.727 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

Tgt Ion: 56 Resp: 18643
Ion Ratio Lower Upper
56 100
69 182.3 26.7 40.1#
84 165.3 68.2 102.4#

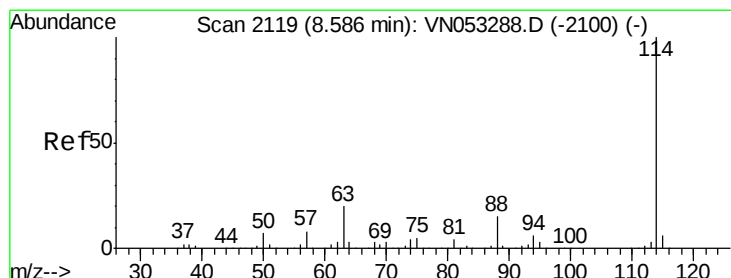
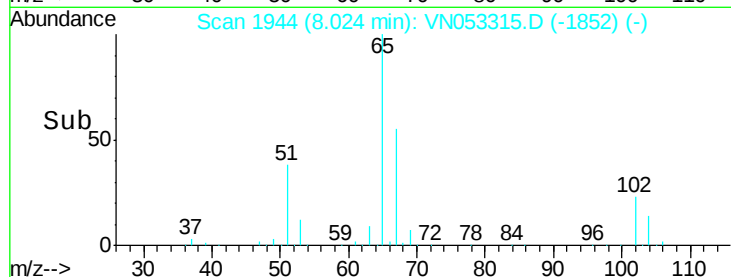
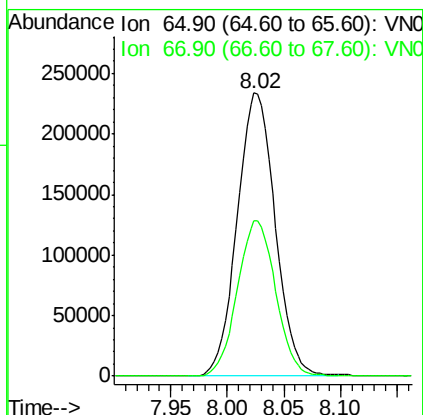
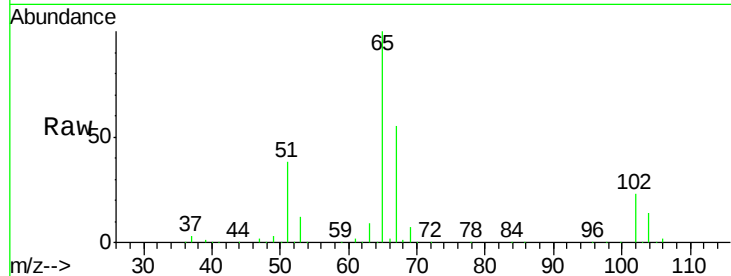




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053315.D
 Acq: 8 Jan 2019 15:40

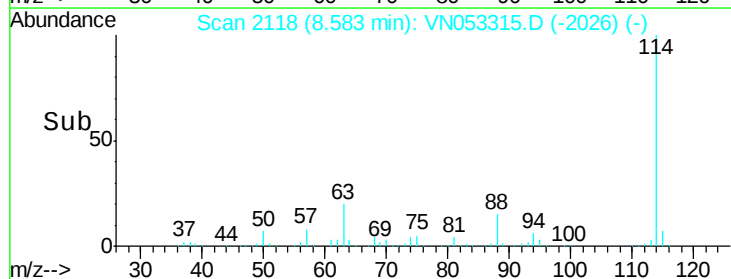
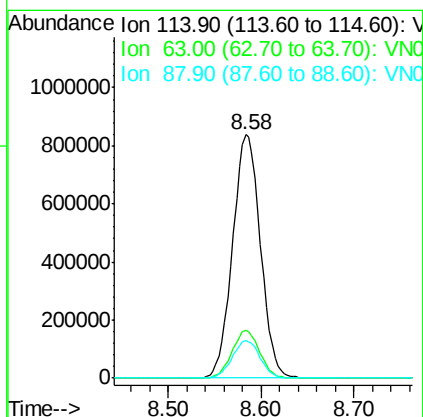
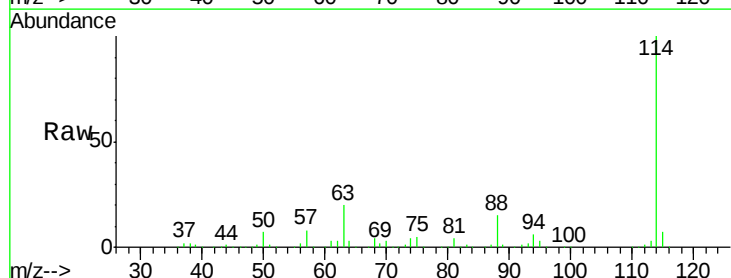
Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001

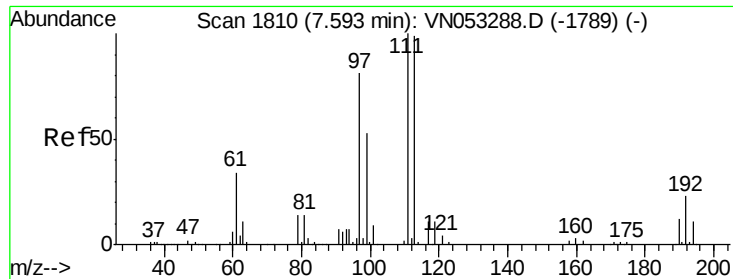
Tot Ion: 65 Resp: 547638
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053315.D
 Acq: 8 Jan 2019 15:40

Tgt Ion: 114 Resp: 1743317
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.8

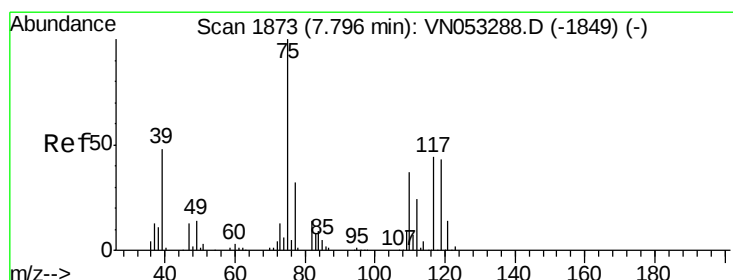
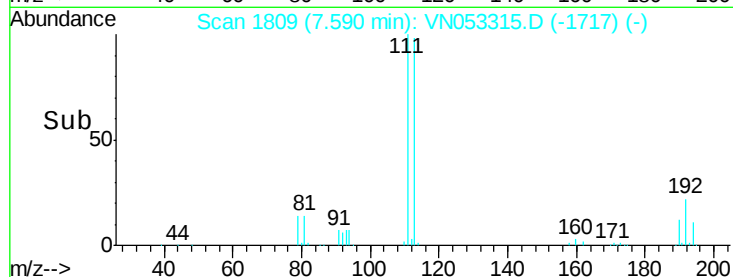
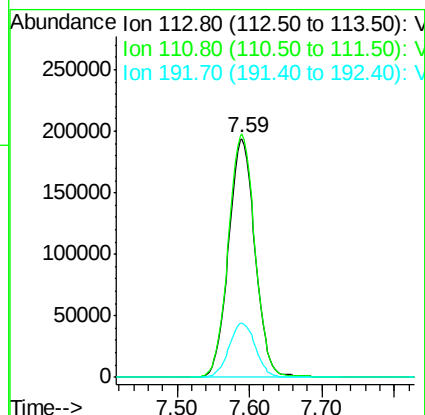
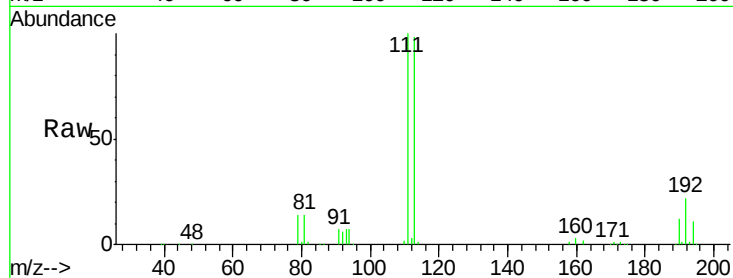




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053315.D
 Acq: 8 Jan 2019 15:40

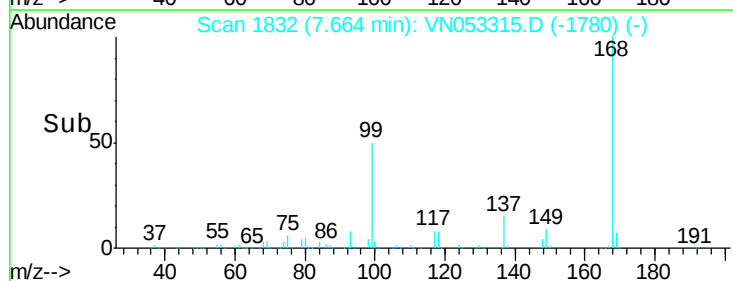
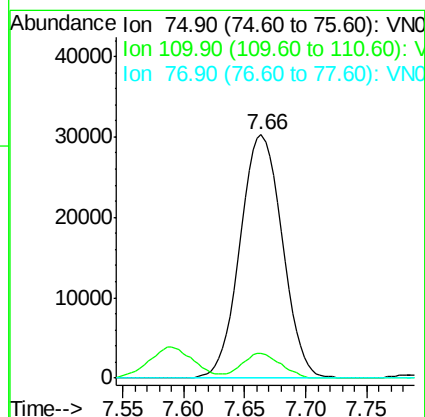
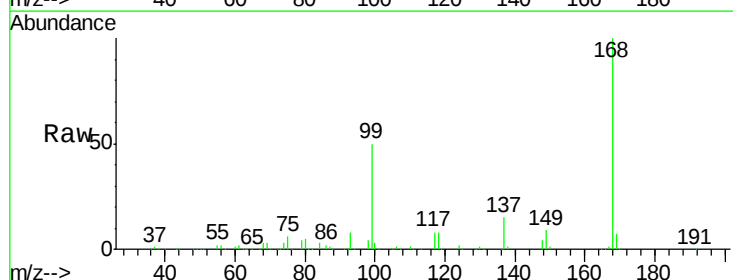
Instrument :
 MSVOA_N
 ClientSampled :
 DSN001

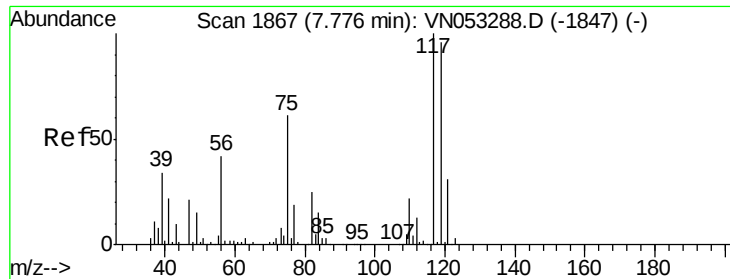
Tot Ion:113 Resp: 491913
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 22.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.462 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053315.D
 Acq: 8 Jan 2019 15:40

Tgt Ion: 75 Resp: 72626
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.0#
 77 0.0 25.3 37.9#

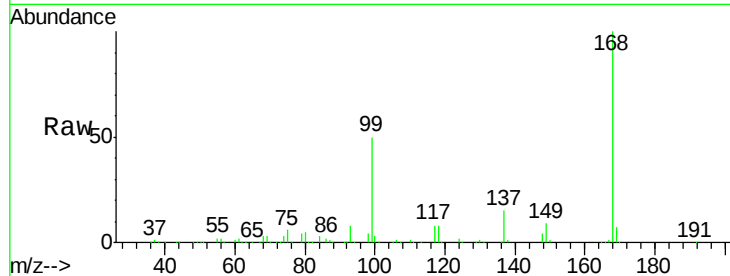




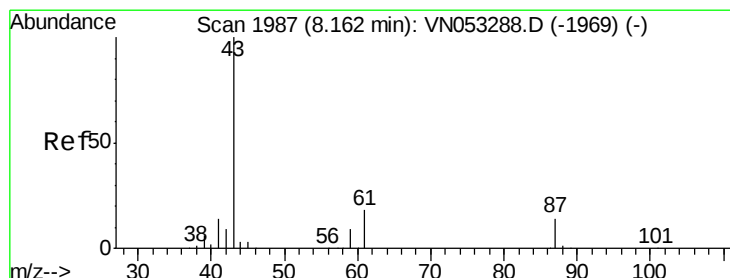
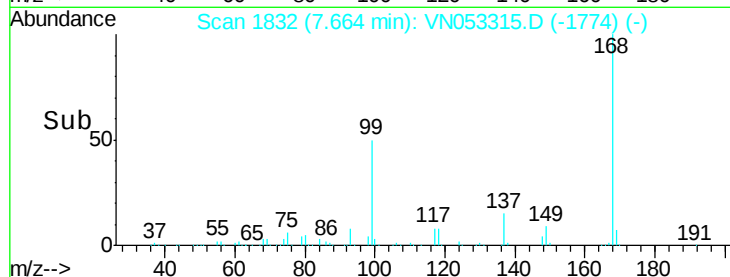
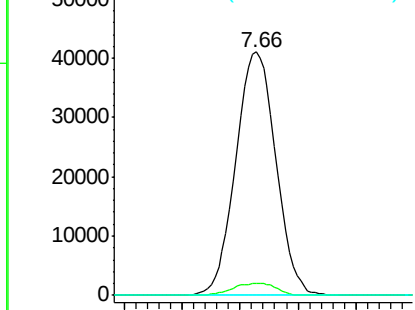
#38
Carbon Tetrachloride
Concen: 6.571 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

Instrument :
MSVOA_N
ClientSampled :
DSN001

Tot Ion:117 Resp: 98710
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 25.0 37.4#

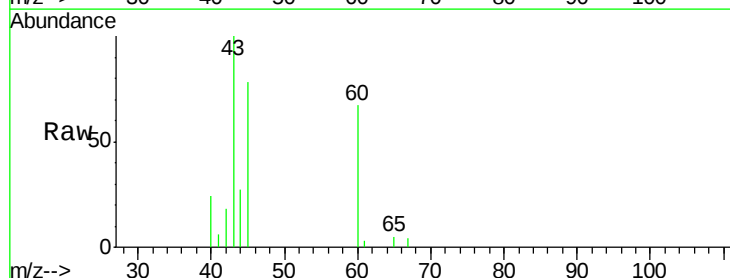


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

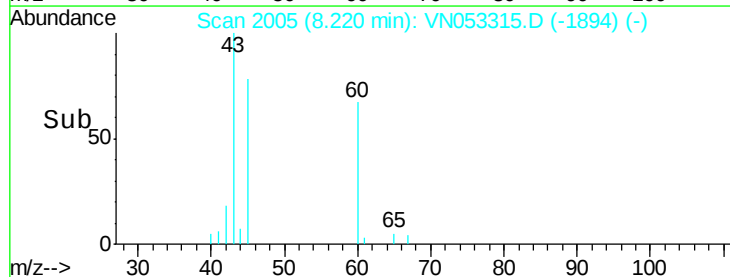
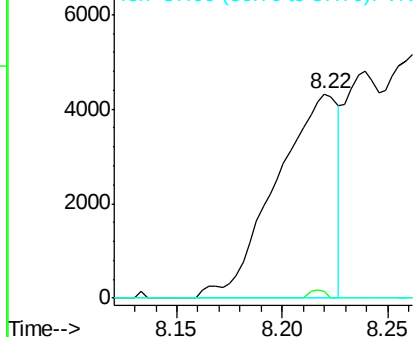


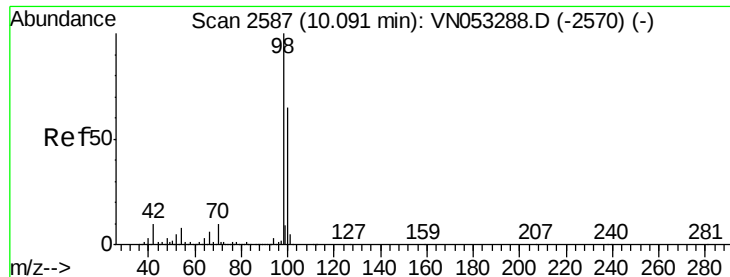
#43
Isopropyl Acetate
Concen: 0.421 ug/l
RT: 8.22 min Scan# 2005
Delta R.T. 0.06 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

Tgt Ion: 43 Resp: 8781
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

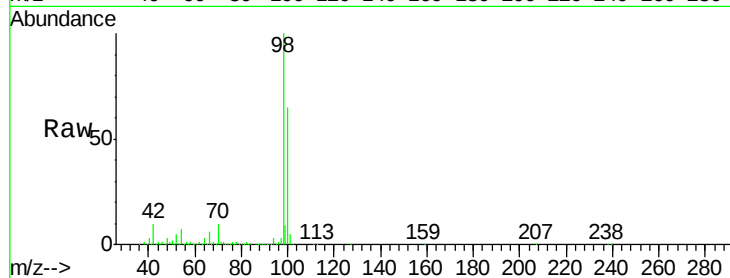
DSN001

Tot Ion: 98 Resp: 2144281

Ion Ratio Lower Upper

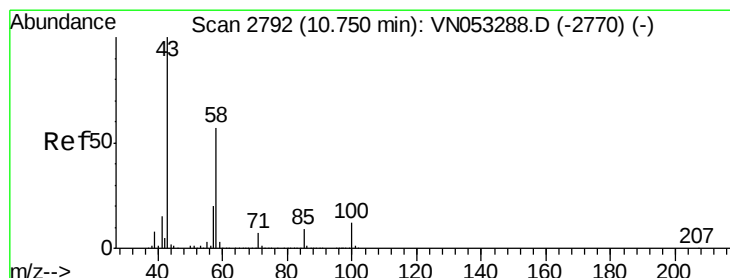
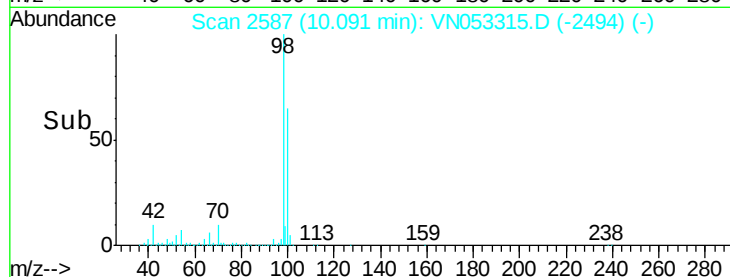
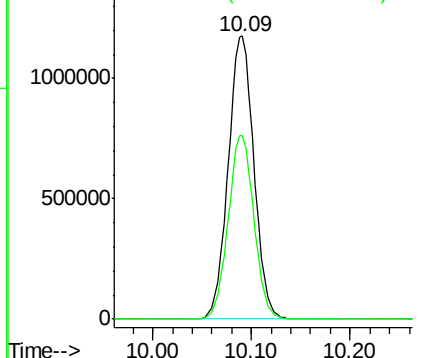
98 100

100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053315.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053315.D (-2494) (-)



#59

2-Hexanone

Concen: 0.202 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053315.D

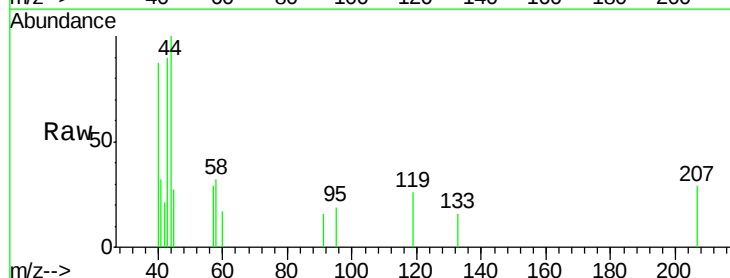
Acq: 8 Jan 2019 15:40

Tgt Ion: 43 Resp: 1448

Ion Ratio Lower Upper

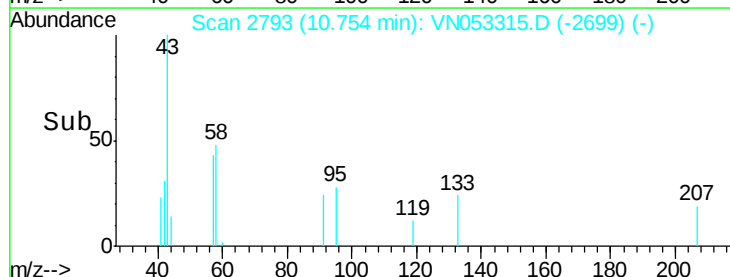
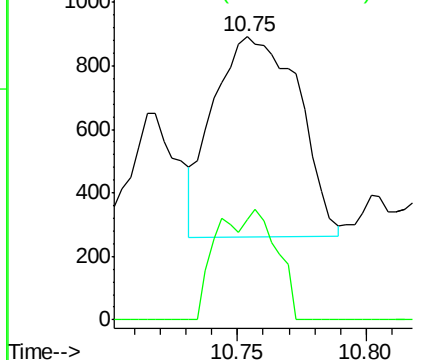
43 100

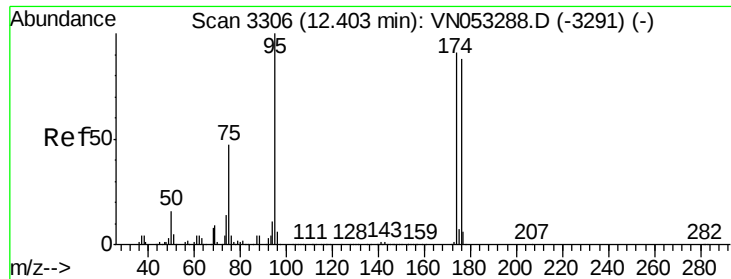
58 38.7 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN053315.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN053315.D (-2699) (-)

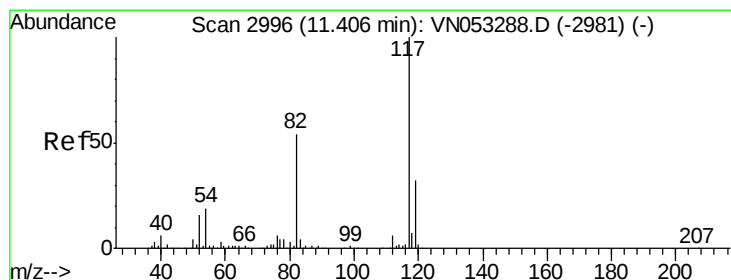
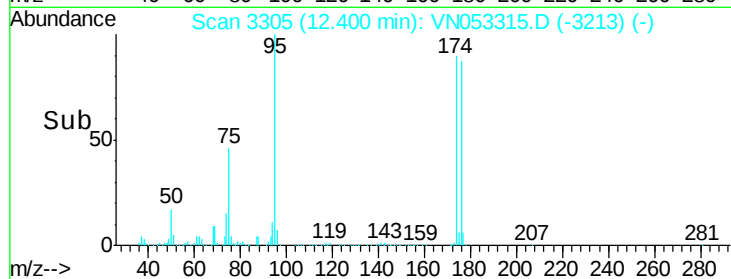
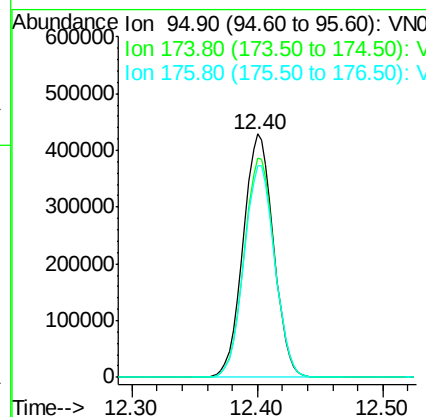
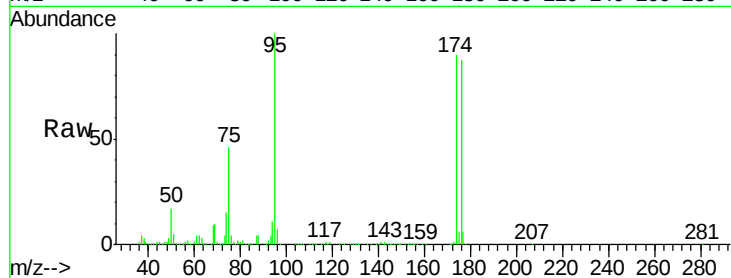




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

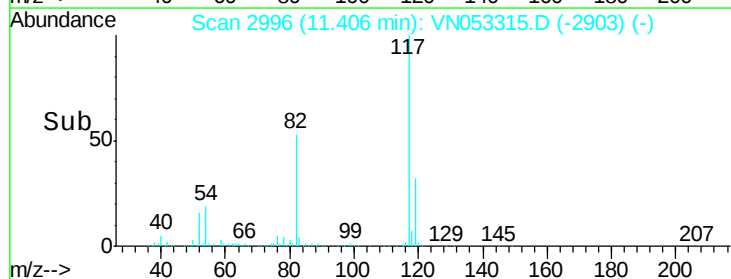
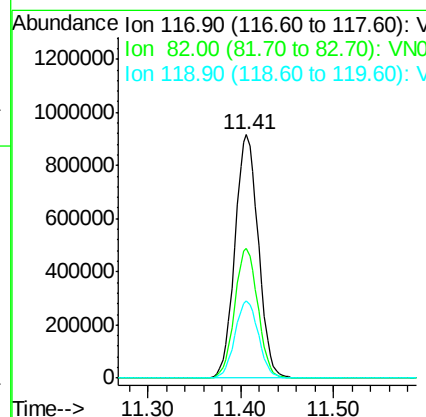
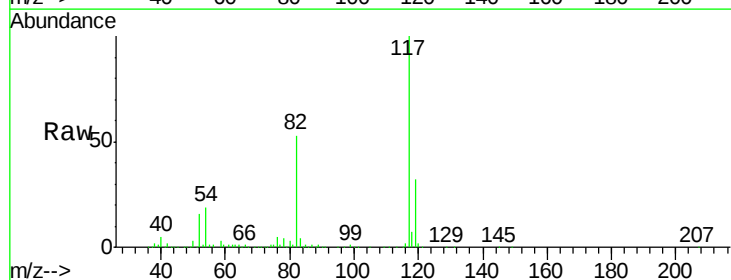
Instrument :
MSVOA_N
ClientSampled :
DSN001

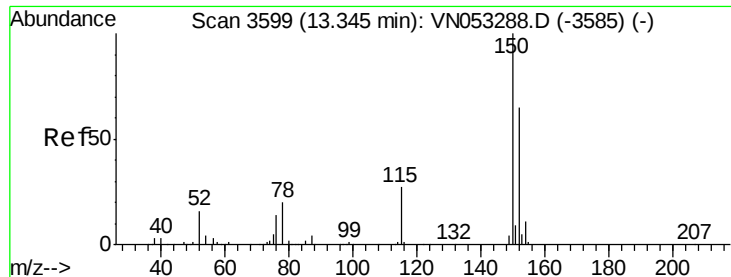
Tot Ion: 95 Resp: 719241
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.4
176 88.2 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

Tgt Ion: 117 Resp: 1596670
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

DSN001

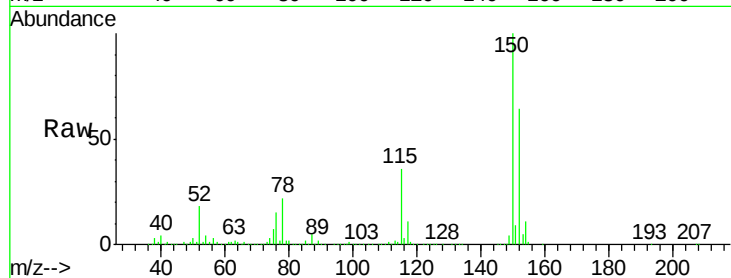
Tot Ion:152 Resp: 639395

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

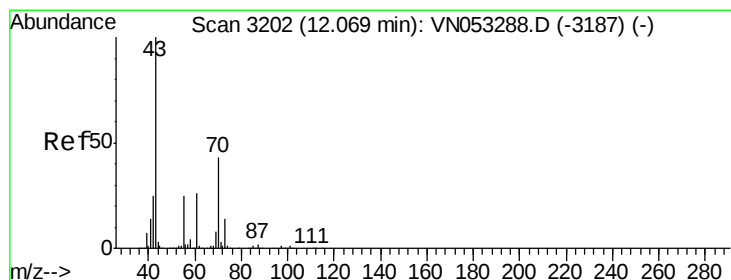
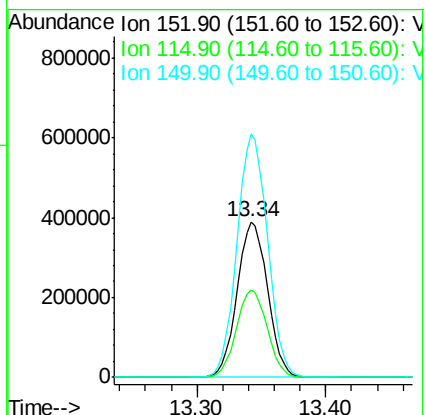
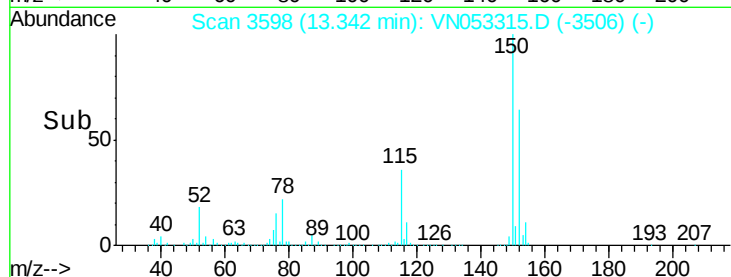
150 157.0 0.0 346.6



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



#74

N-ethyl acetate

Concen: 0.354 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Tgt Ion: 43 Resp: 5033

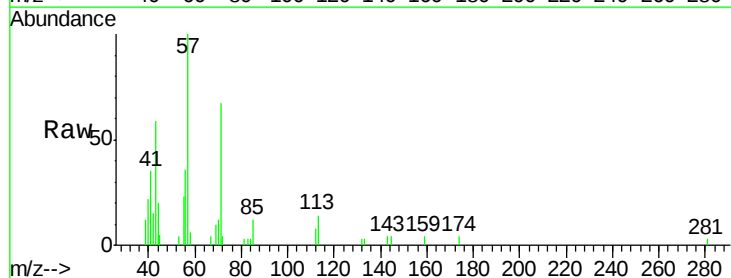
Ion Ratio Lower Upper

43 100

70 20.8 35.0 52.6#

55 33.0 20.0 30.0#

61 0.0 20.3 30.5#

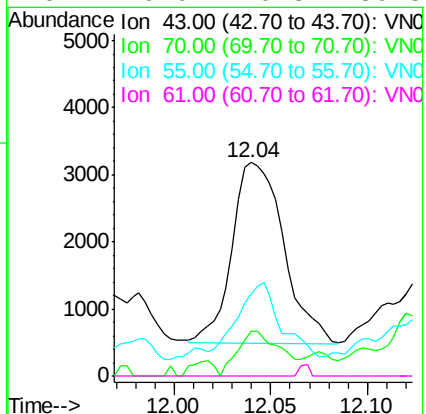
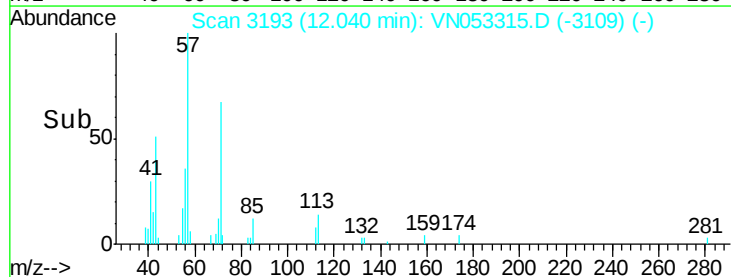


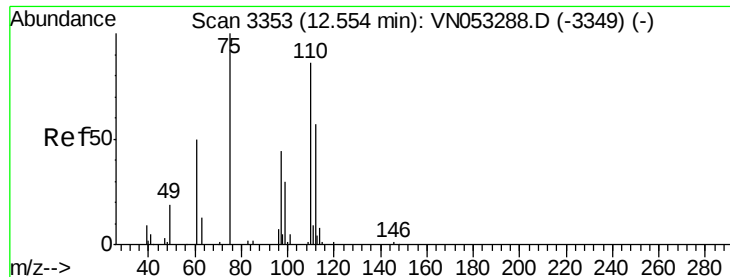
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.489 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

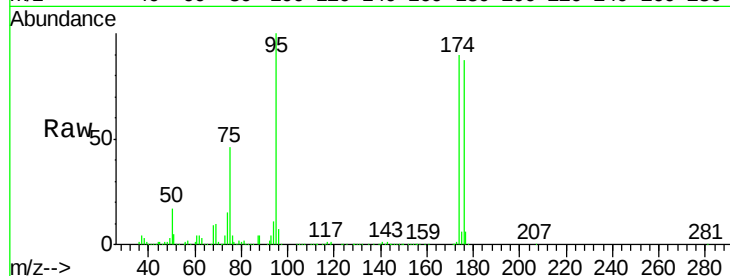
DSN001

Tot Ion: 75 Resp: 330969

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

200000

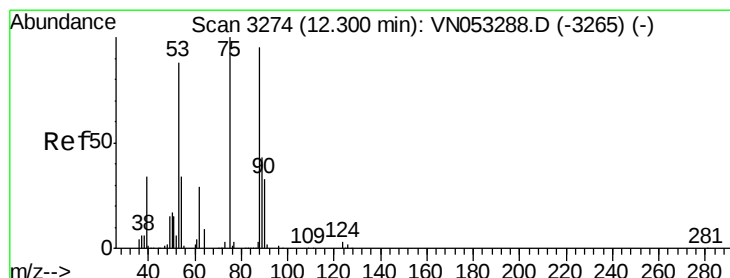
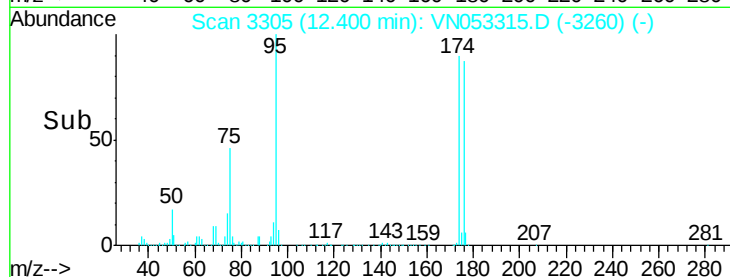
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 104.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

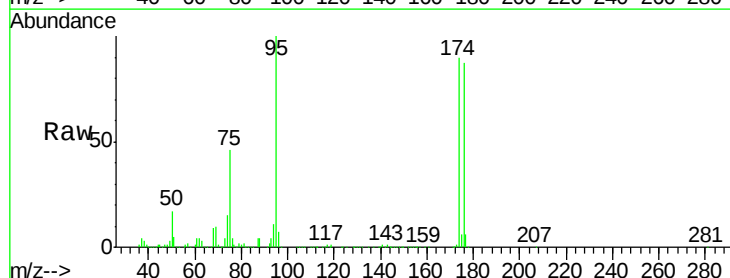
Tgt Ion: 75 Resp: 330969

Ion Ratio Lower Upper

75 100

53 0.1 70.5 105.7#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

250000

200000

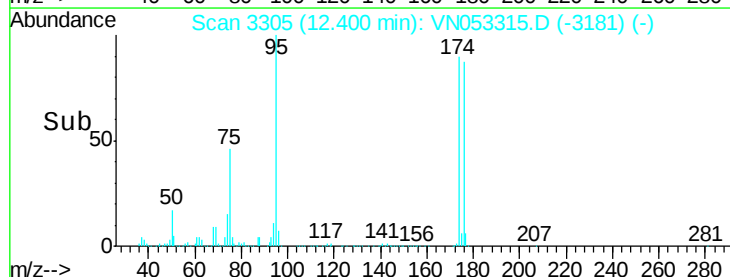
150000

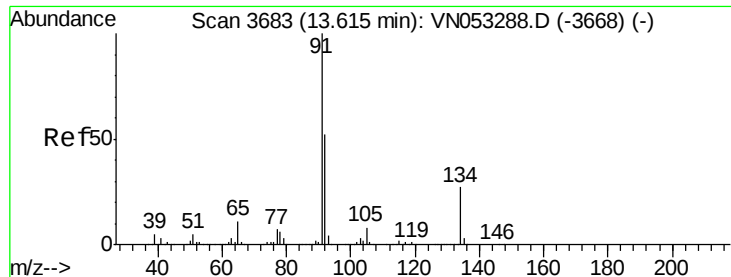
100000

50000

0

Time--> 12.30 12.40 12.50

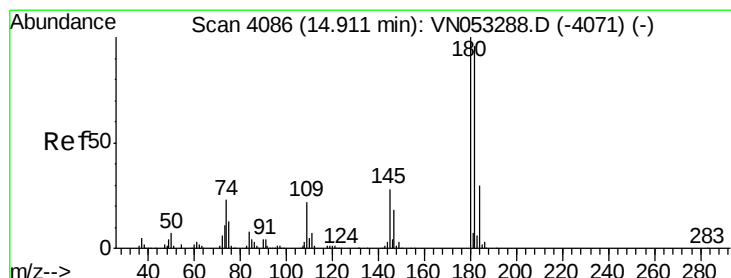
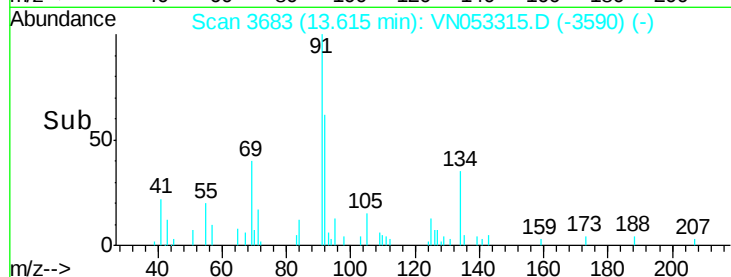
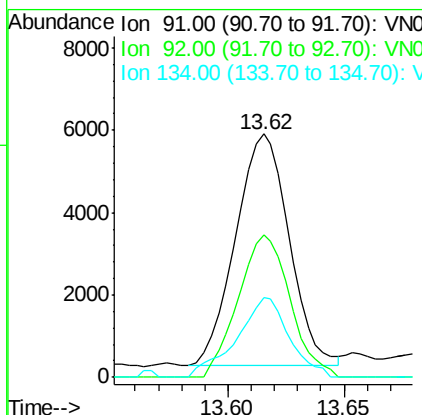
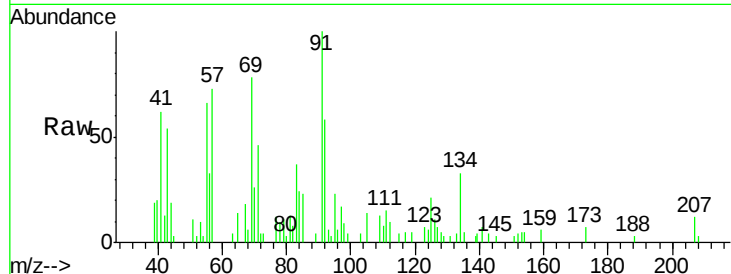




#89
n-Butylbenzene
Concen: 0.279 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

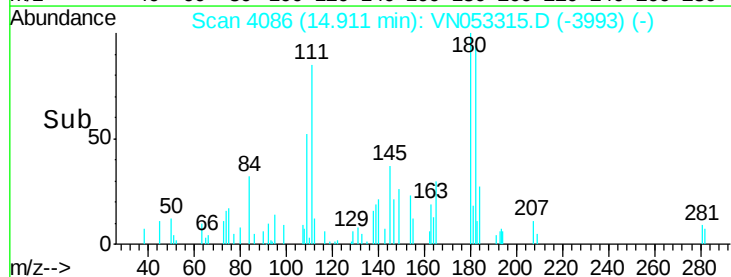
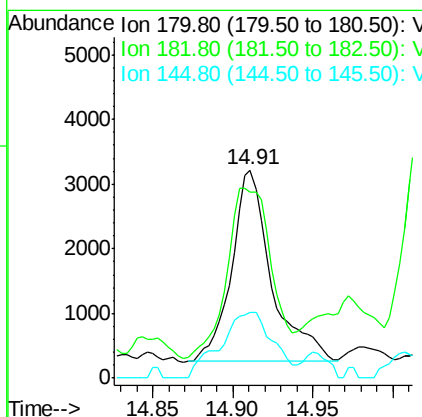
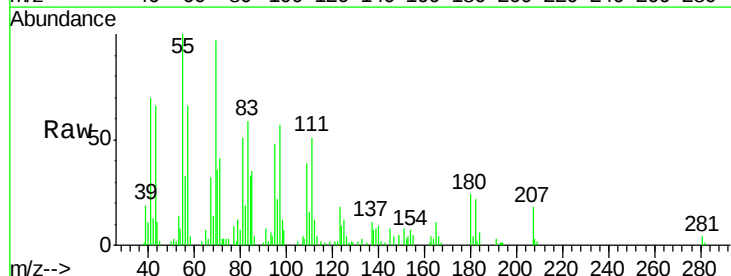
Instrument :
MSVOA_N
ClientSampleId :
DSN001

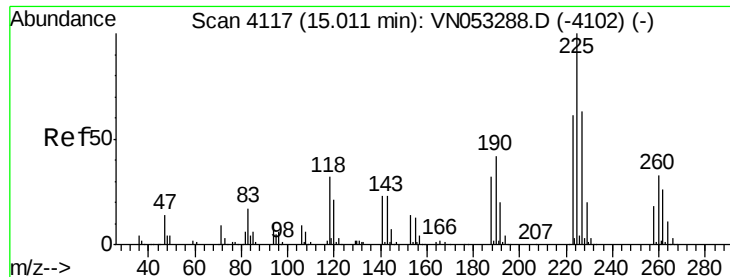
Tot Ion: 91 Resp: 8994
Ion Ratio Lower Upper
91 100
92 59.9 26.3 78.8
134 33.8 13.5 40.5



#93
1,2,4-Trichlorobenzene
Concen: 0.767 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN053315.D
Acq: 8 Jan 2019 15:40

Tgt Ion: 180 Resp: 5053
Ion Ratio Lower Upper
180 100
182 98.4 47.8 143.4
145 45.7 14.4 43.0#





#94

Hexachlorobutadiene

Concen: 0.849 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

DSN001

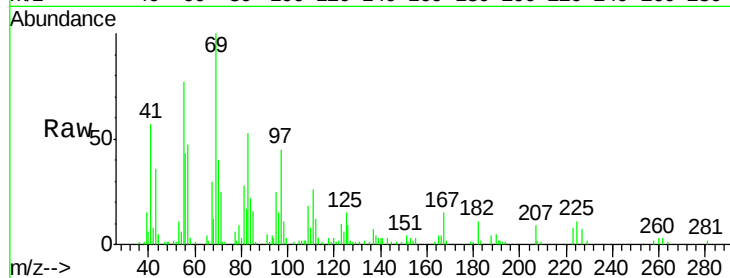
Tot Ion:225 Resp: 4577

Ion Ratio Lower Upper

225 100

223 56.6 30.9 92.8

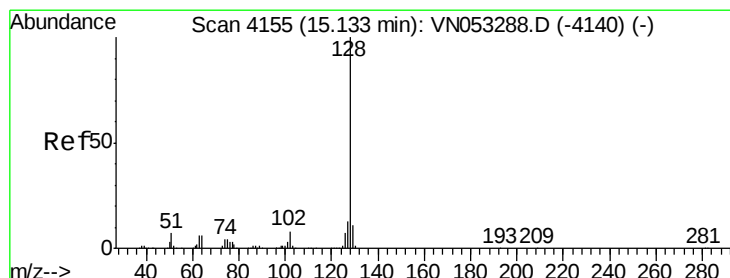
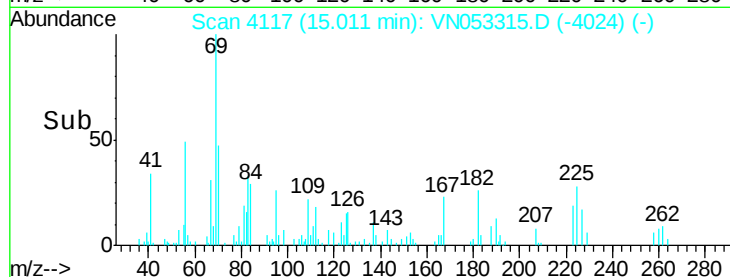
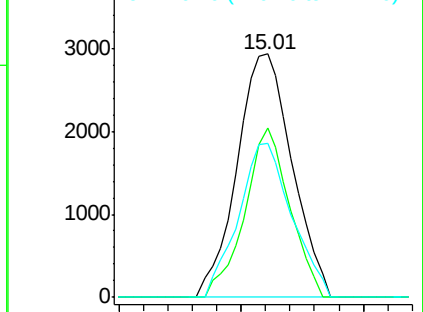
227 61.1 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.879 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053315.D

Acq: 8 Jan 2019 15:40

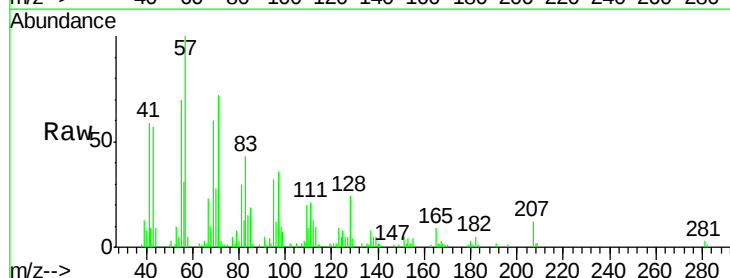
Tgt Ion:128 Resp: 9886

Ion Ratio Lower Upper

128 100

127 36.8 10.4 15.6#

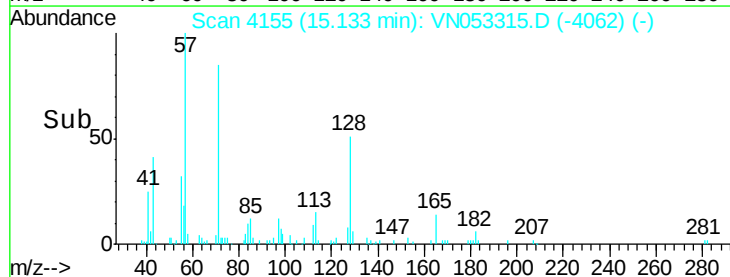
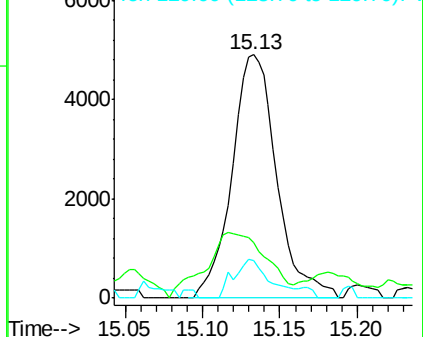
129 12.5 8.7 13.1

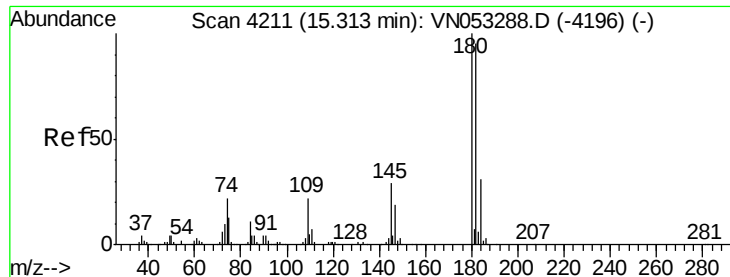


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.475 ug/l
 RT: 15.33 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN053315.D
 Acq: 8 Jan 2019 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001

Tot Ion:180 Resp: 6364
 Ion Ratio Lower Upper
 180 100
 182 47.0 48.4 145.0#
 145 28.6 14.9 44.5

