

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054215.D
 Acq On : 13 Mar 2019 16:33
 Operator : JC/SP
 Sample : K1842-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:18:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1402642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2295577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2379058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	994811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	737016	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	7.59	113	709678	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	2861858	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	1069454	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	

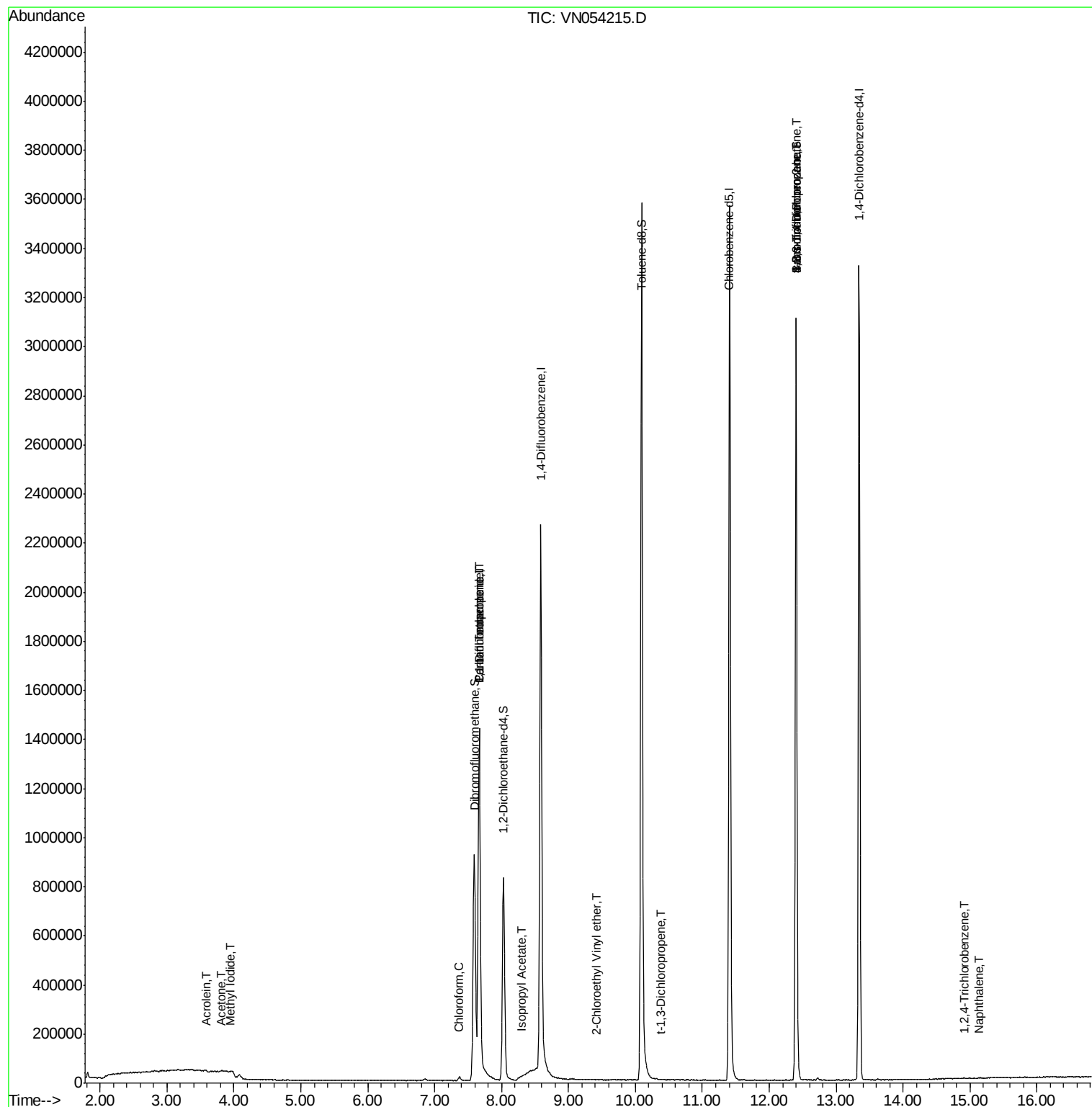
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	214	1.507	ug/l #	81
13) Acrolein	3.60	56	264	0.273	ug/l #	37
16) Acetone	3.82	43	8368	1.962	ug/l #	75
30) Chloroform	7.37	83	15168	0.607	ug/l #	79
31) Cyclohexane	7.67	56	21206	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	81061	3.834	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113727	5.130	ug/l #	16
43) Isopropyl Acetate	8.29	43	17639	0.827	ug/l #	60
53) t-1,3-Dichloropropene	10.38	75	31	1.987	ug/l #	70
58) 2-Chloroethyl Vinyl ether	9.41	63	32	16.832	ug/l #	44
71) Bromoform	12.40	173	6907	2.806	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	516076	35.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	516076	120.593	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	794	2.553	ug/l #	82
95) Naphthalene	15.13	128	1737	3.507	ug/l #	69

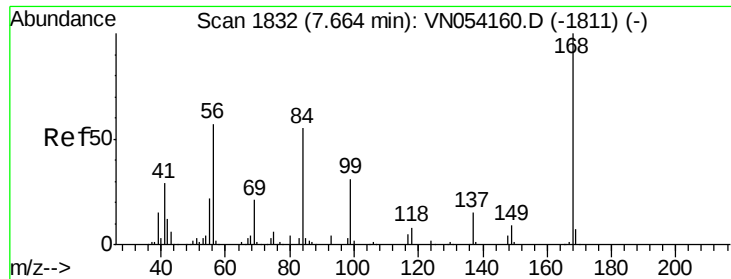
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031319\
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Misc : 5.00mL/MSVOA N/WATER
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ClientSampleId :

Quant Time: Mar 14 05:18:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

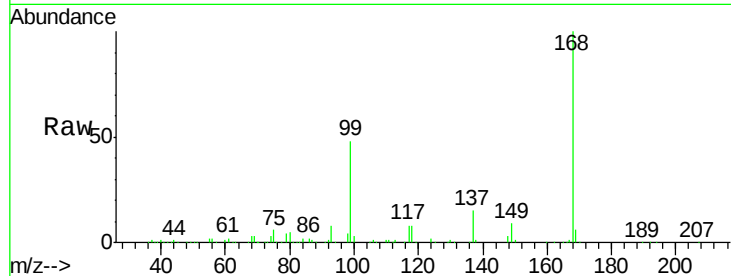
ClientSampled :

Tot Ion:168 Resp: 1402642

Ion Ratio Lower Upper

168 100

99 48.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

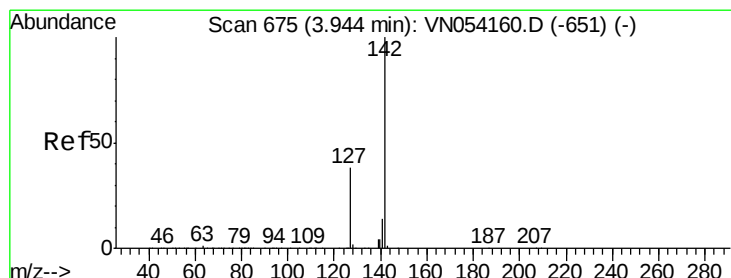
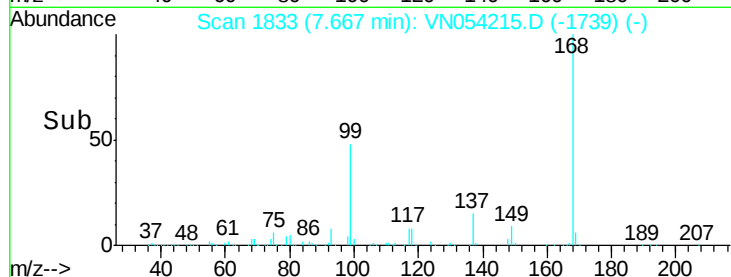
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.507 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

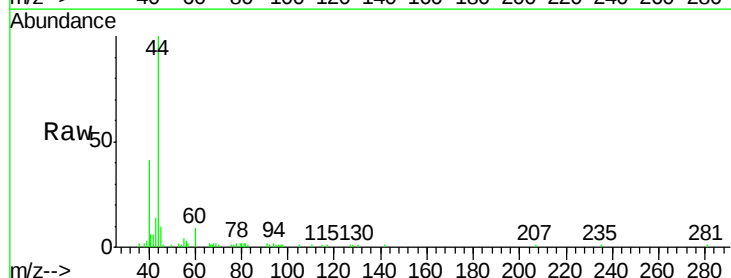
Tgt Ion:142 Resp: 214

Ion Ratio Lower Upper

142 100

127 45.8 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

400

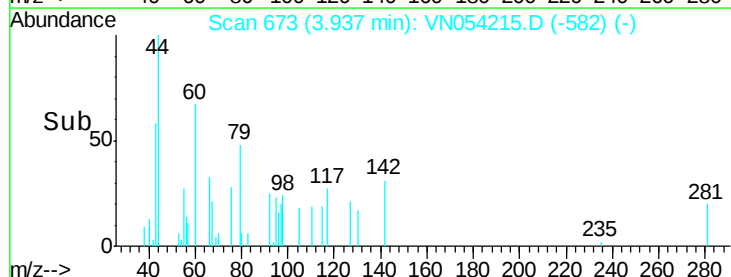
300

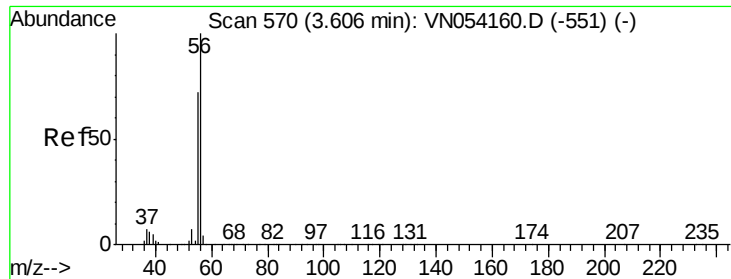
200

100

0

Time--> 3.92 3.93 3.94 3.95





#13

Acrolein

Concen: 0.273 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

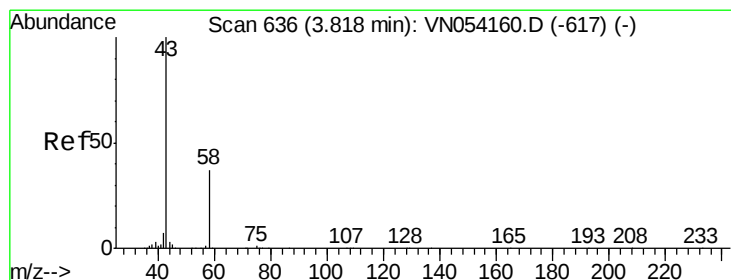
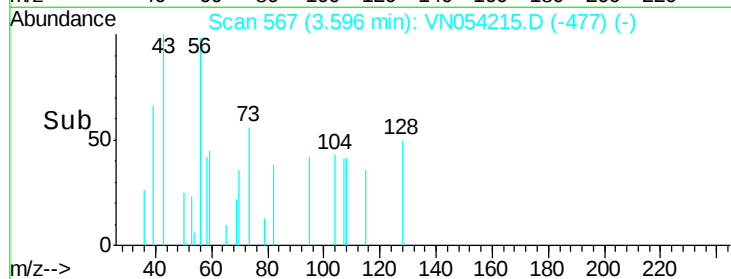
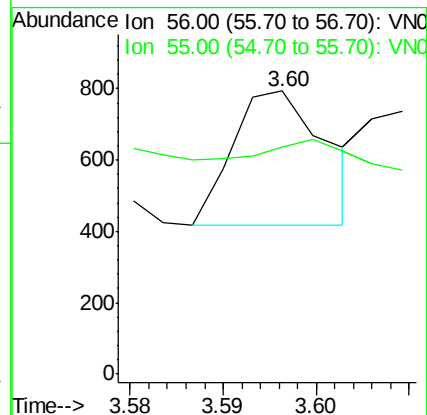
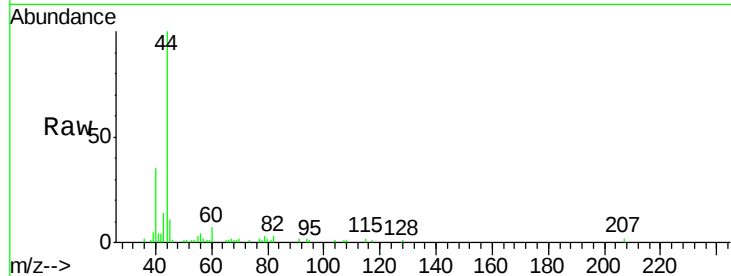
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 18.6 56.7 85.1#



#16

Acetone

Concen: 1.962 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054215.D

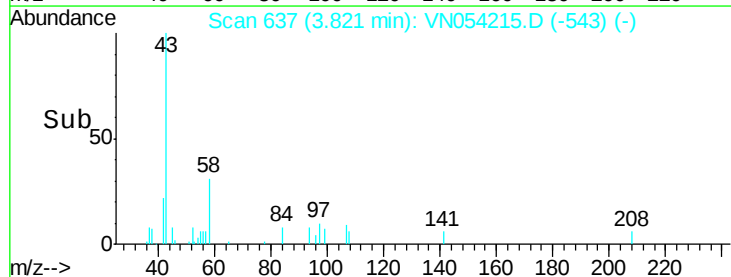
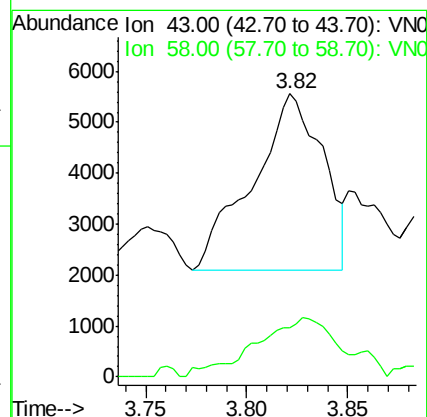
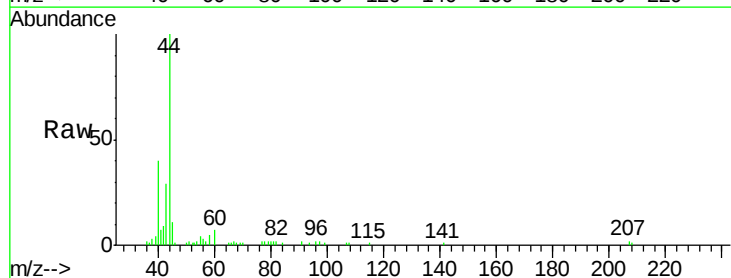
Acq: 13 Mar 2019 16:33

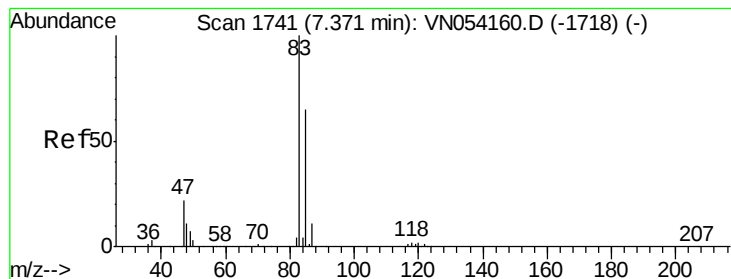
Tgt Ion: 43 Resp: 8368

Ion Ratio Lower Upper

43 100

58 22.6 29.9 44.9#





#30

Chloroform

Concen: 0.607 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

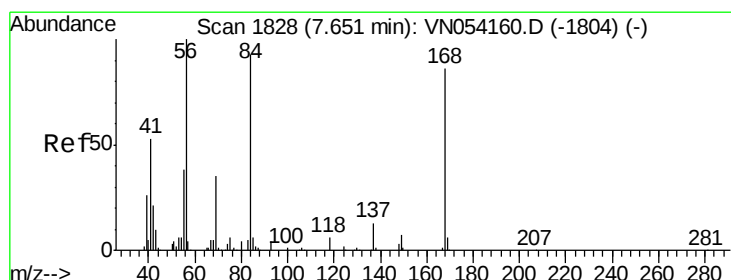
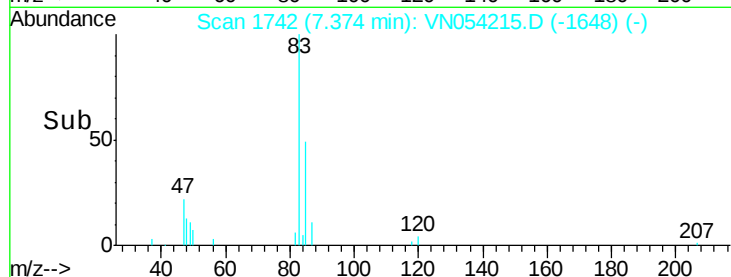
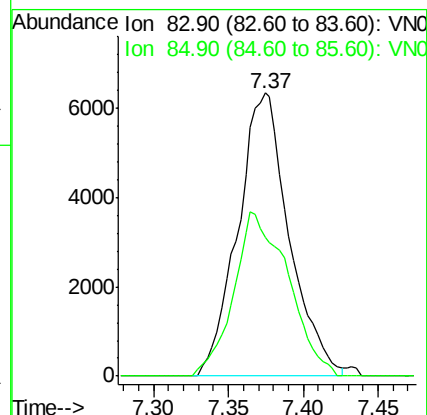
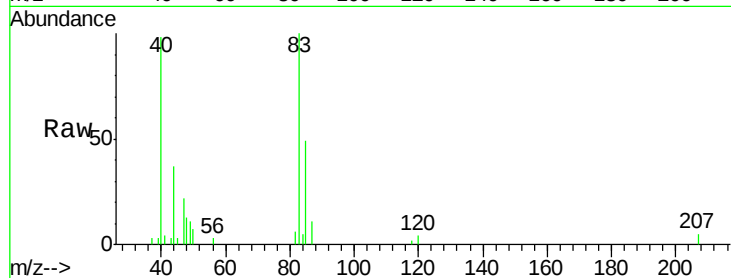
ClientSampleId :

Tot Ion: 83 Resp: 15168

Ion Ratio Lower Upper

83 100

85 49.0 52.2 78.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

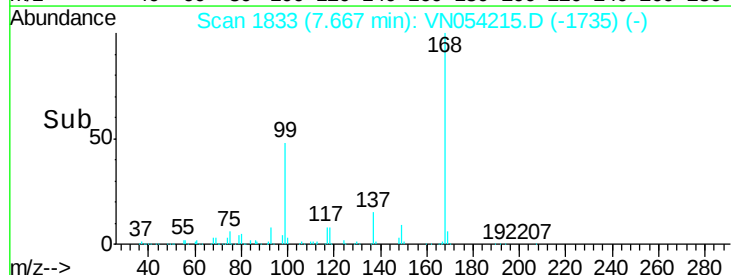
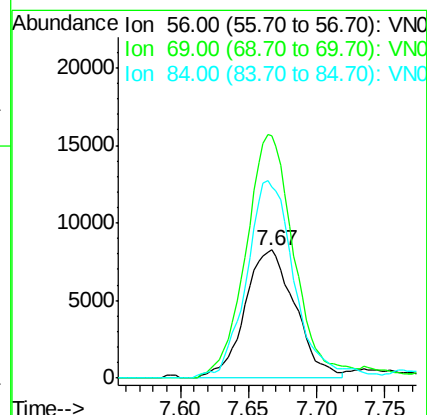
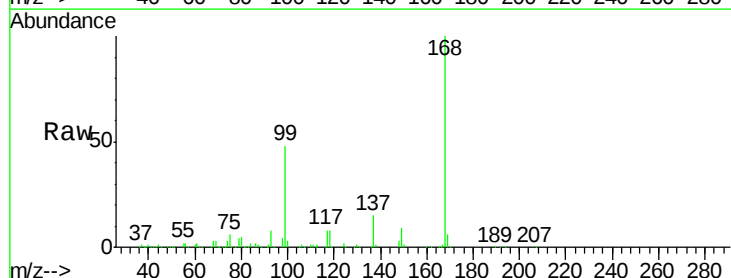
Tgt Ion: 56 Resp: 21206

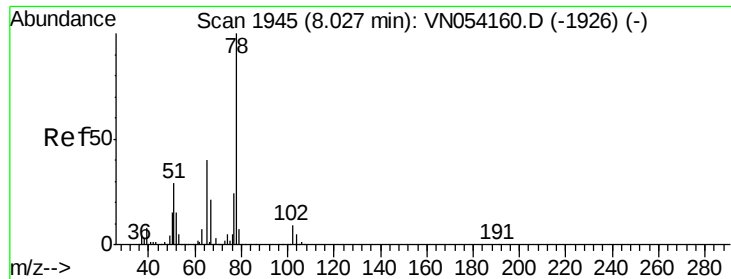
Ion Ratio Lower Upper

56 100

69 189.3 27.8 41.6#

84 149.7 74.6 111.8#

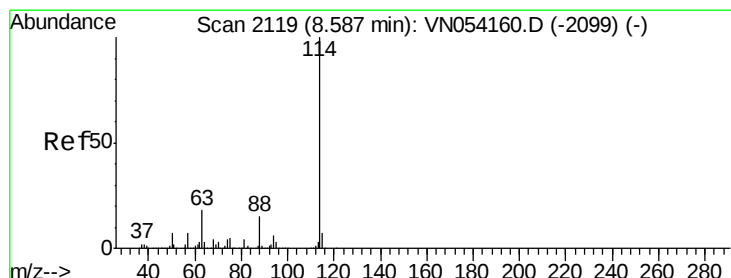
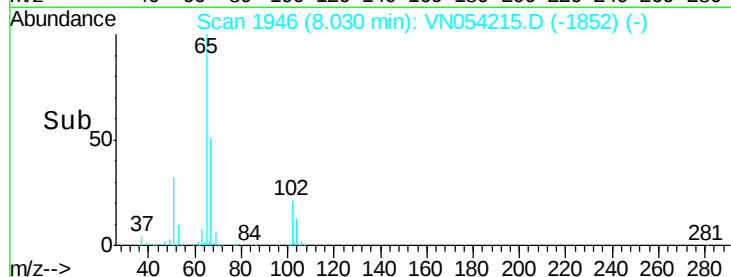
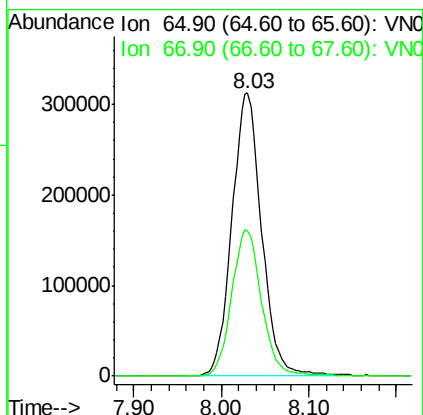
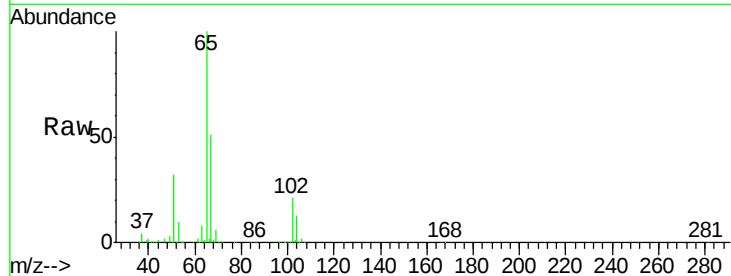




#33
 1,2-Dichloroethane-d4
 Concen: 49.477 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

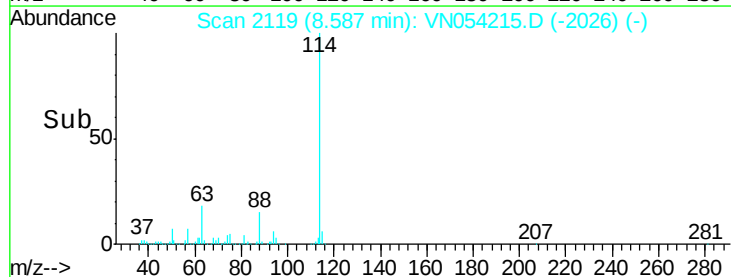
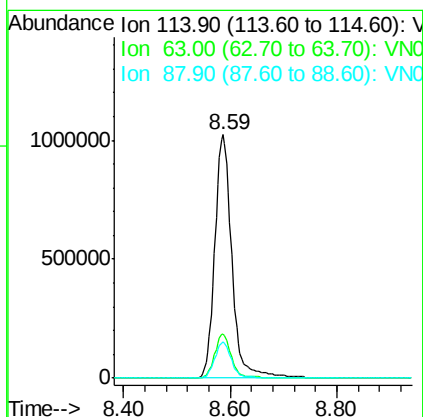
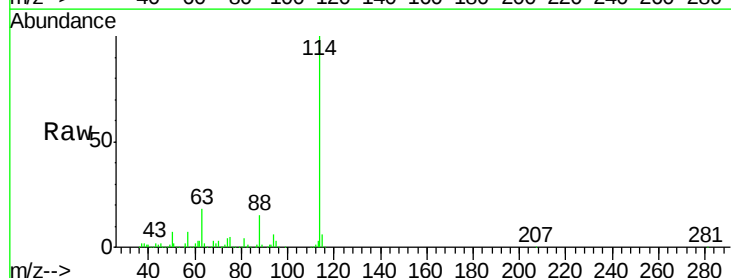
Instrument :
 MSVOA_N
 ClientSampleId :

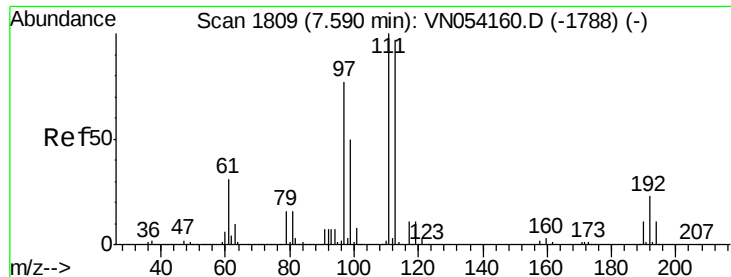
Tot Ion: 65 Resp: 737016
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

Tgt Ion: 114 Resp: 2295577
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.7 0.0 30.2

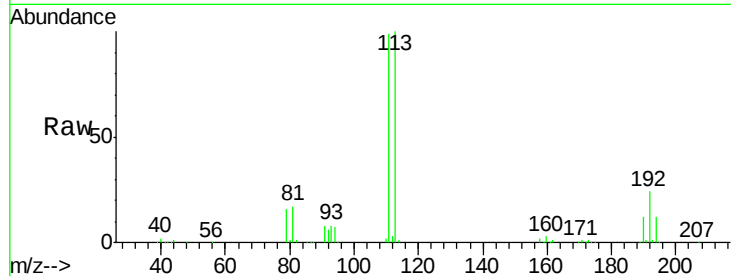




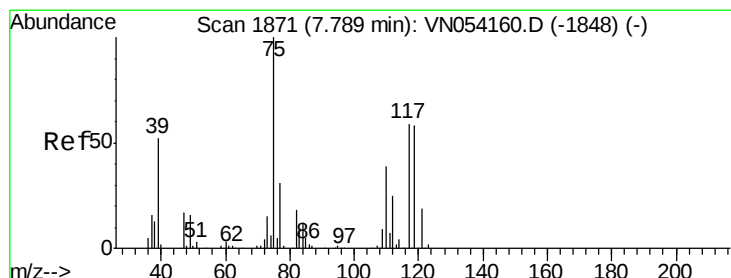
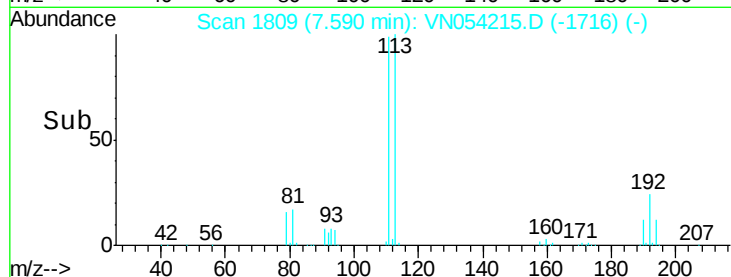
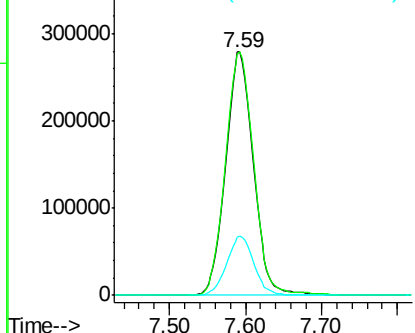
#35
 Dibromofluoromethane
 Concen: 47.933 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 709678
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 23.8 19.2 28.8

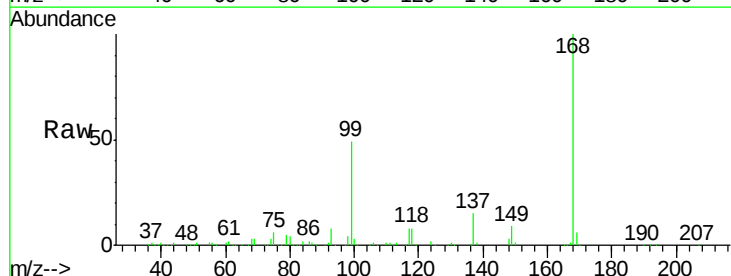


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

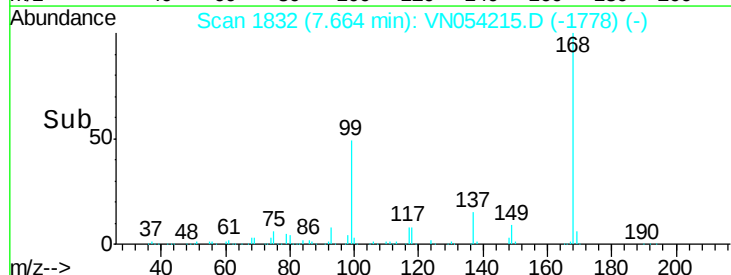
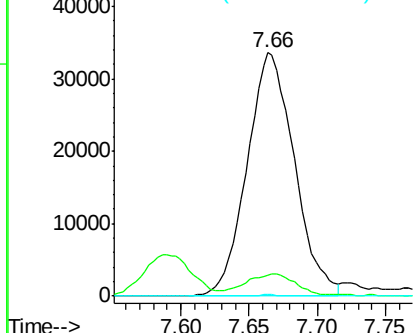


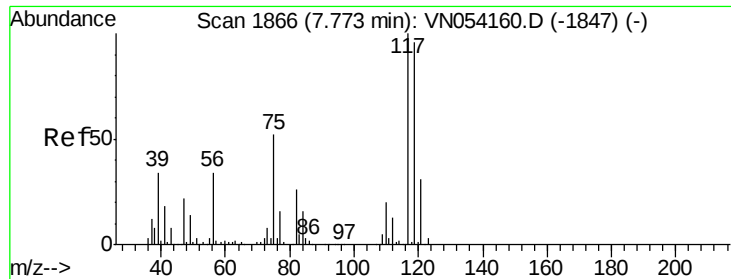
#36
 1,1-Dichloropropene
 Concen: 3.834 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

Tgt Ion: 75 Resp: 81061
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.1 57.5#
 77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

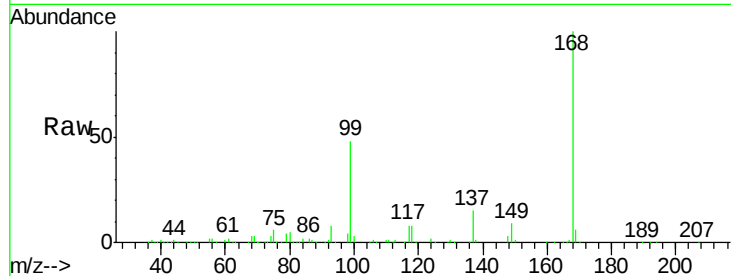
Tot Ion:117 Resp: 113727

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

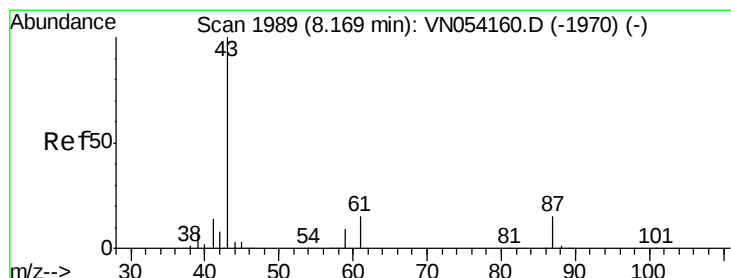
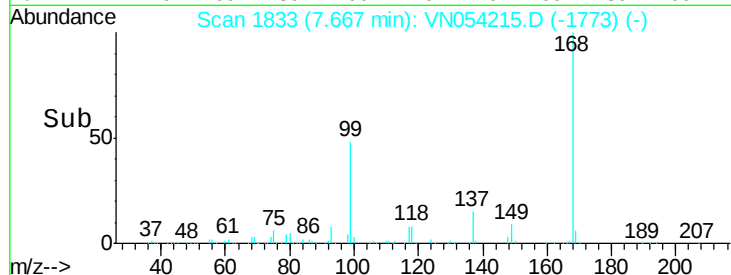
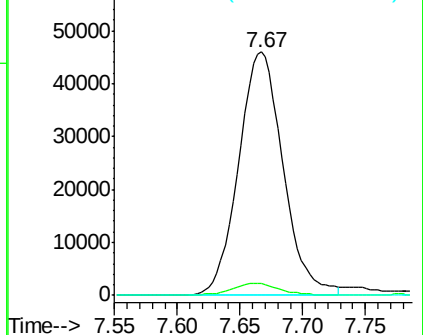
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.827 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.12 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

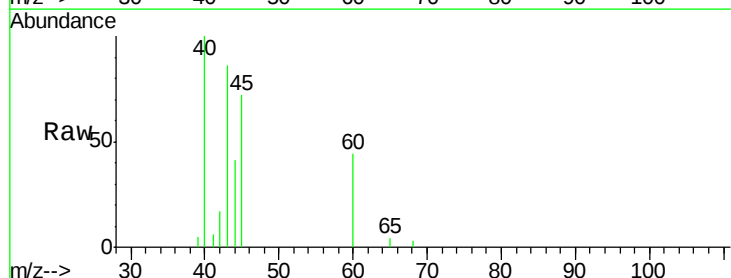
Tgt Ion: 43 Resp: 17639

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

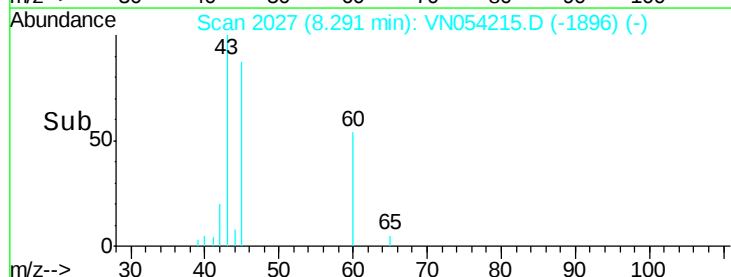
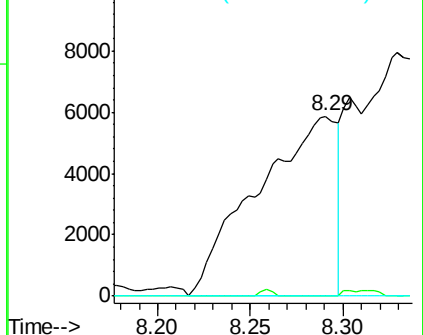
87 0.0 12.0 18.0#

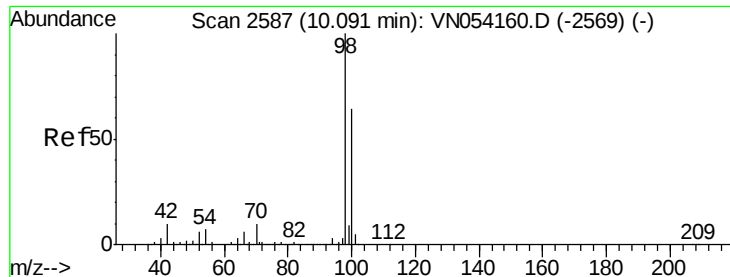


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.339 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

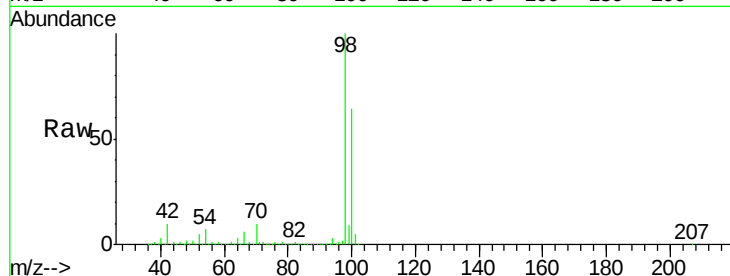
ClientSampled :

Tot Ion: 98 Resp: 2861858

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054215.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054215.D (-2494) (-)

10.09

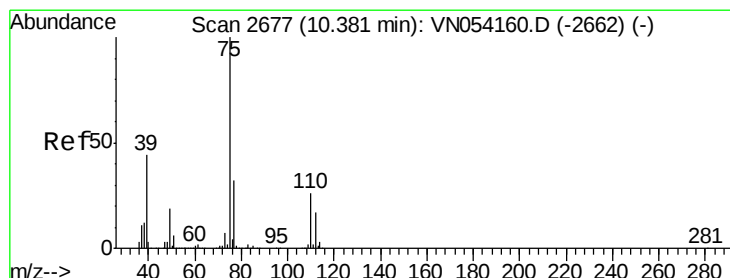
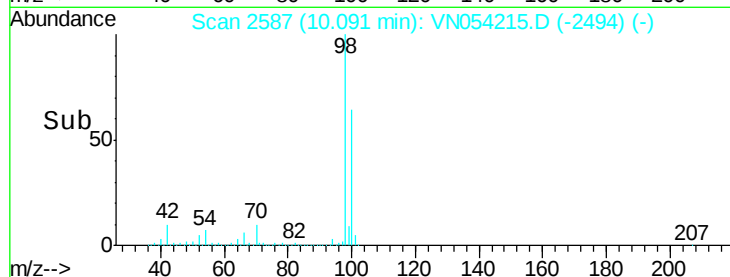
1500000

1000000

500000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054215.D

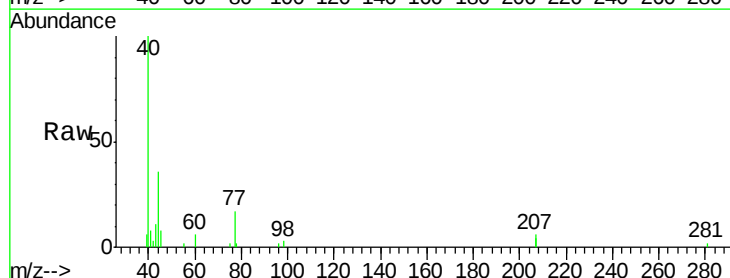
Acq: 13 Mar 2019 16:33

Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

77 49.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054215.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN054215.D (-2584) (-)

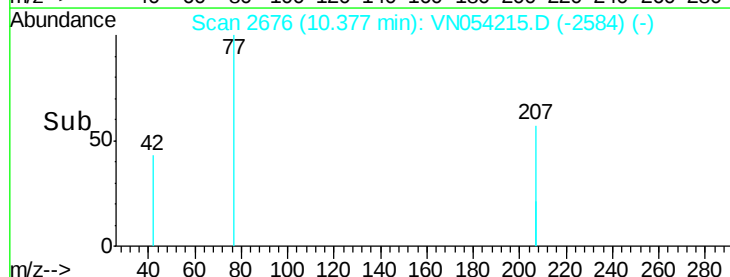
1500

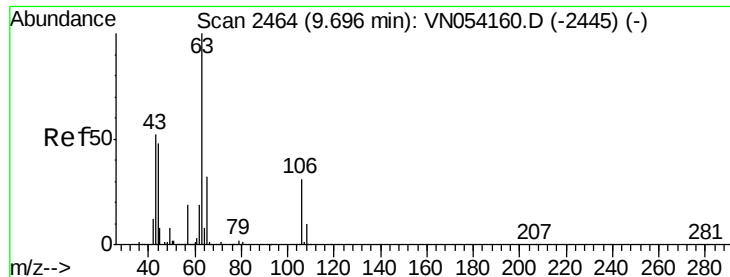
1000

500

0

Time-->

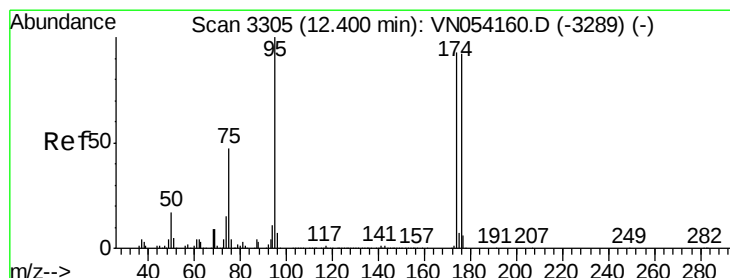
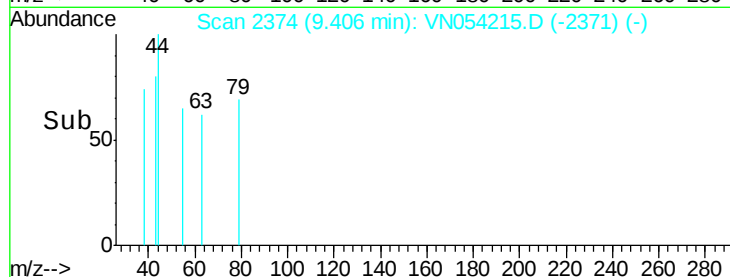
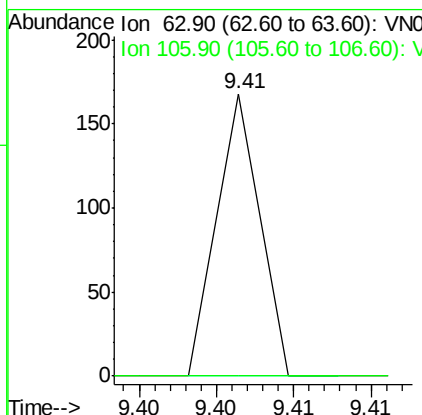
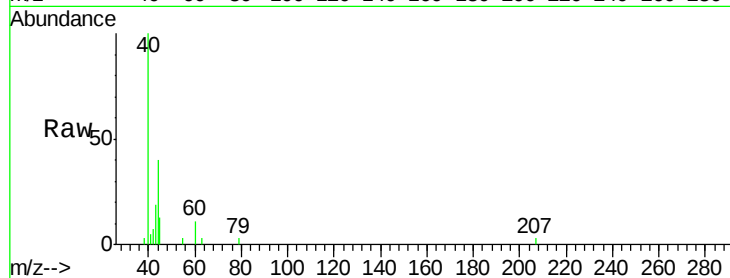




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.832 ug/l
 RT: 9.41 min Scan# 2374
 Delta R.T. -0.29 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

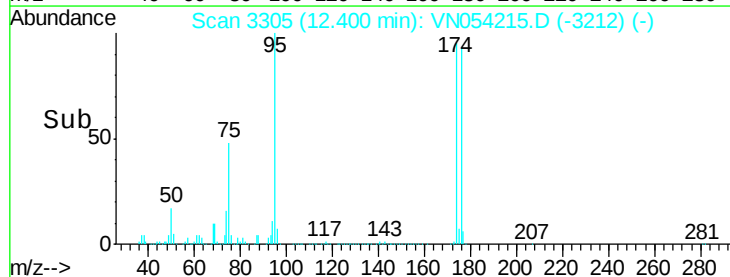
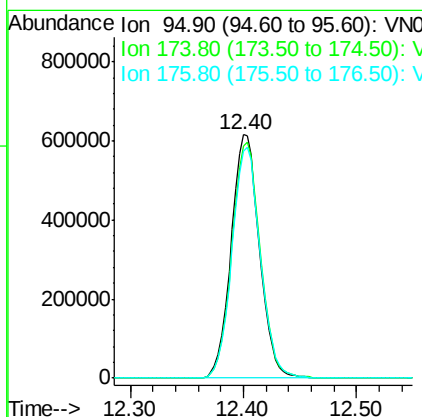
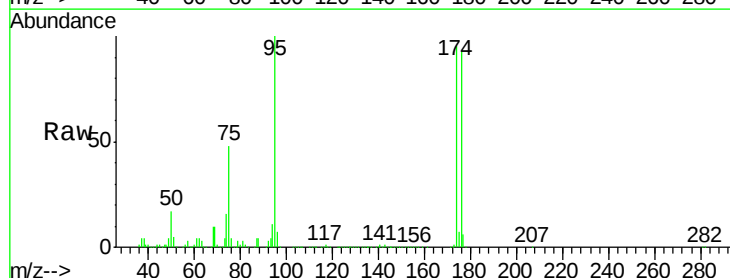
Instrument :
 MSVOA_N
 ClientSampleId :

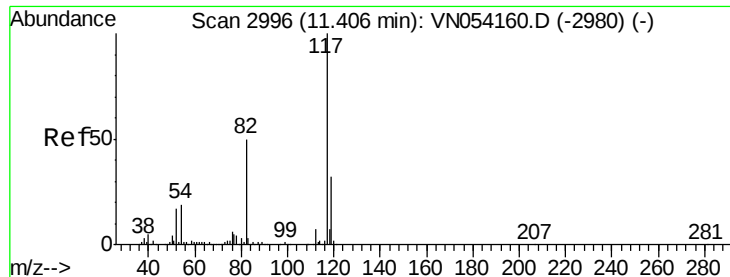
Tot Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 55.898 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054215.D
 Acq: 13 Mar 2019 16:33

Tgt Ion: 95 Resp: 1069454
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 191.0
 176 95.0 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

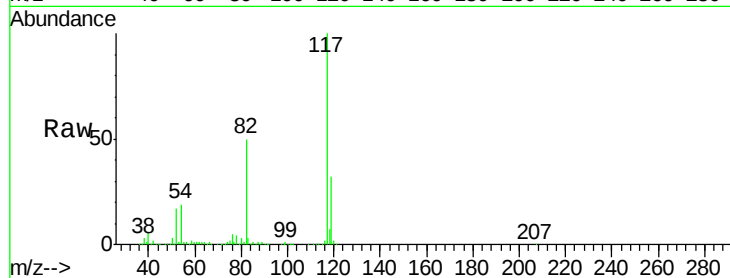
Tot Ion:117 Resp: 2379058

Ion Ratio Lower Upper

117 100

82 50.0 40.0 60.0

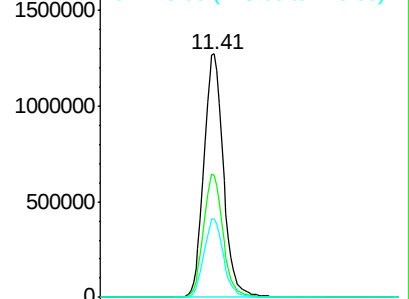
119 32.4 25.8 38.6



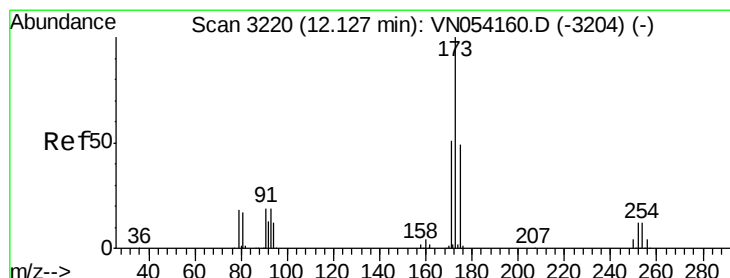
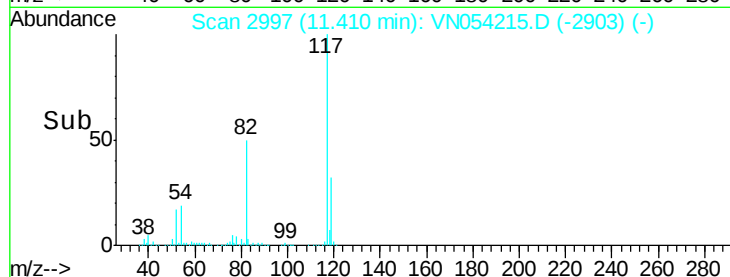
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#71

Bromoform

Concen: 2.806 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

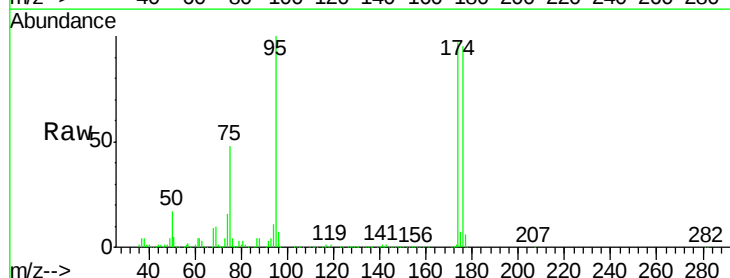
Tgt Ion:173 Resp: 6907

Ion Ratio Lower Upper

173 100

175 925.4 24.4 73.2#

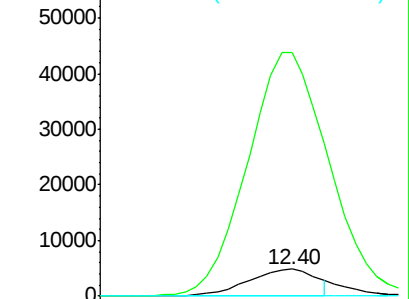
254 0.0 0.1 0.1#



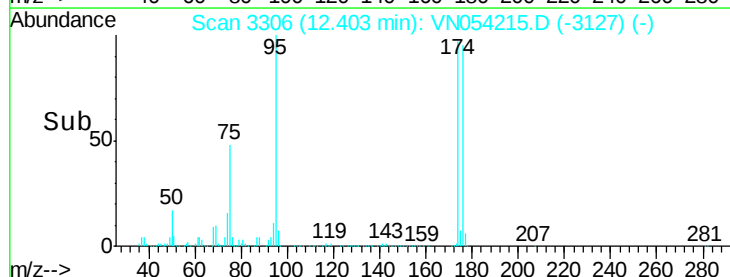
Abundance Ion 172.70 (172.40 to 173.40): V

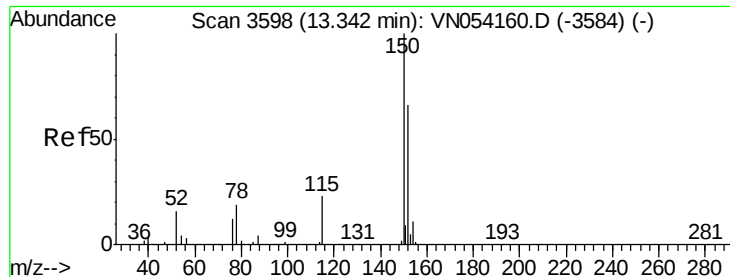
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

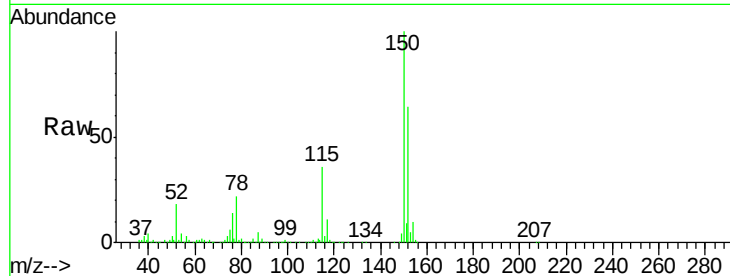
Tot Ion:152 Resp: 994811

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

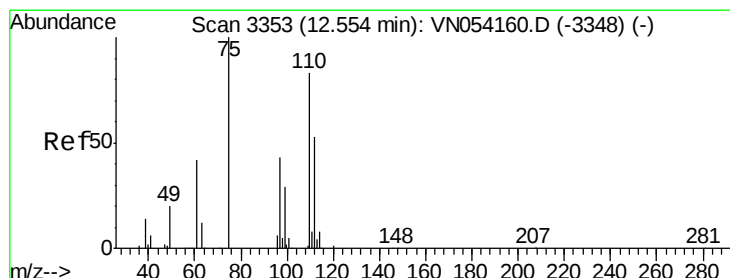
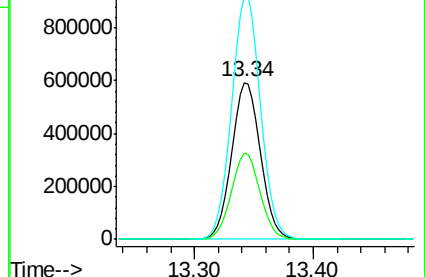
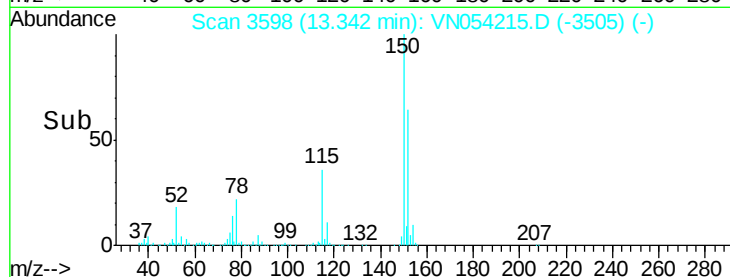
150 155.9 0.0 349.2



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: 35.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054215.D

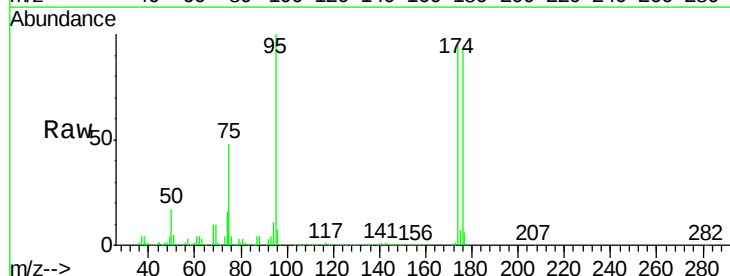
Acq: 13 Mar 2019 16:33

Tgt Ion: 75 Resp: 516076

Ion Ratio Lower Upper

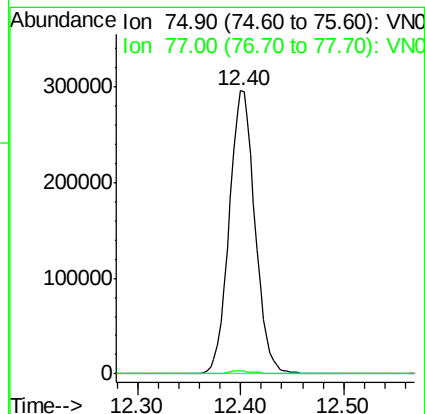
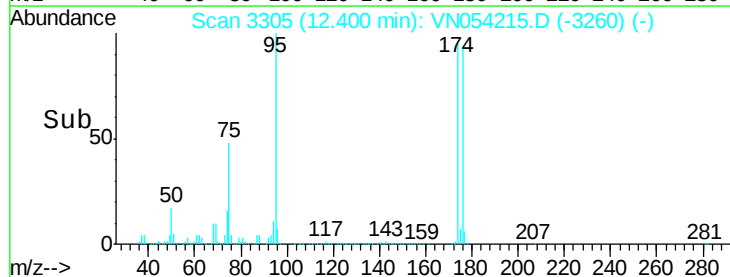
75 100

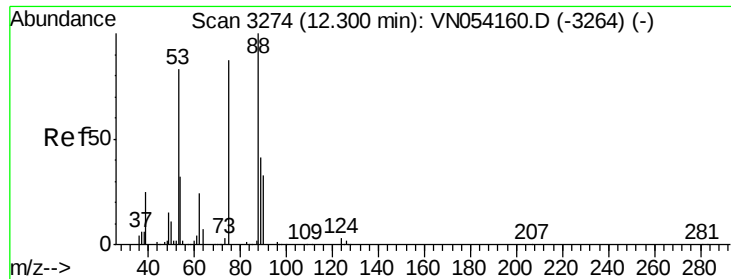
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.593 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

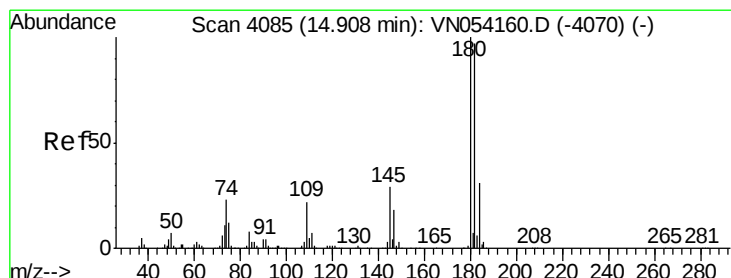
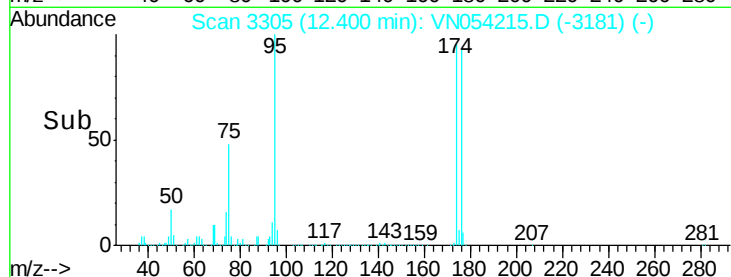
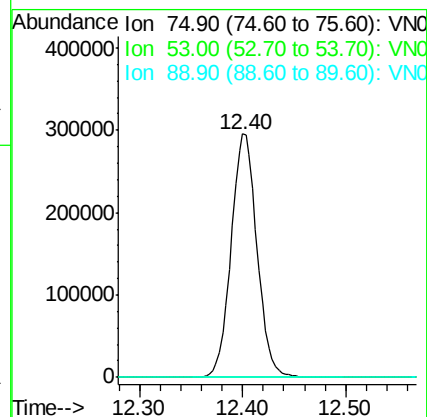
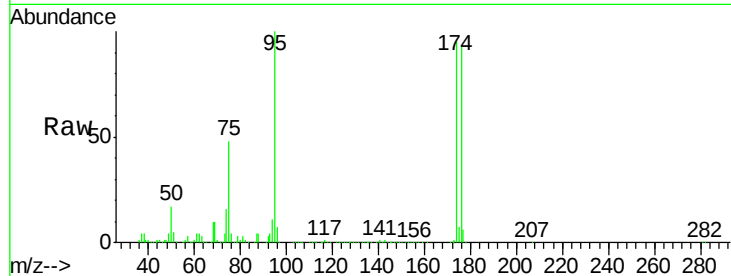
Tot Ion: 75 Resp: 516076

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.553 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

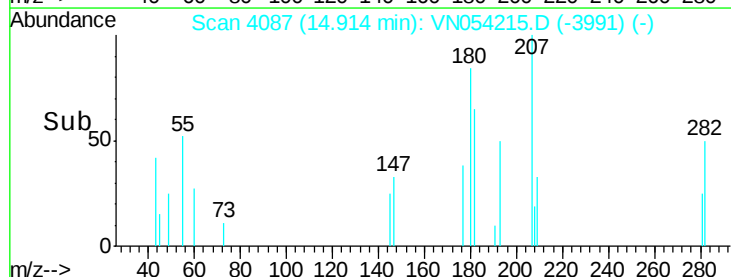
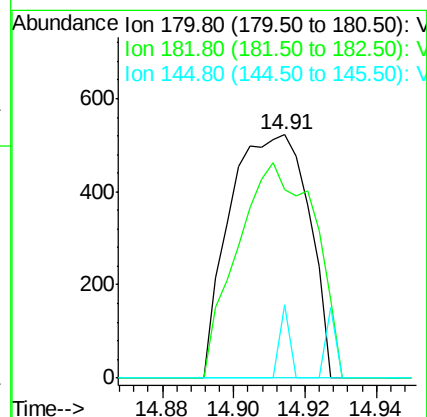
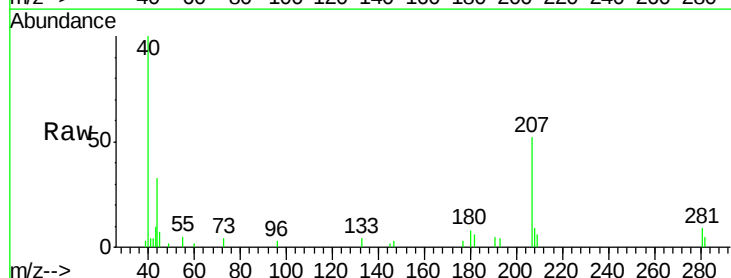
Tgt Ion: 180 Resp: 794

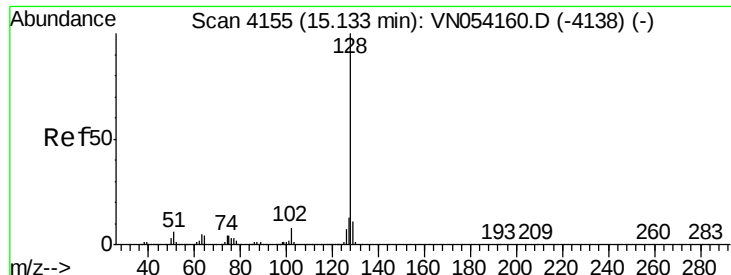
Ion Ratio Lower Upper

180 100

182 86.9 48.0 144.2

145 3.8 14.2 42.8#





#95

Naphthalene

Concen: 3.507 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

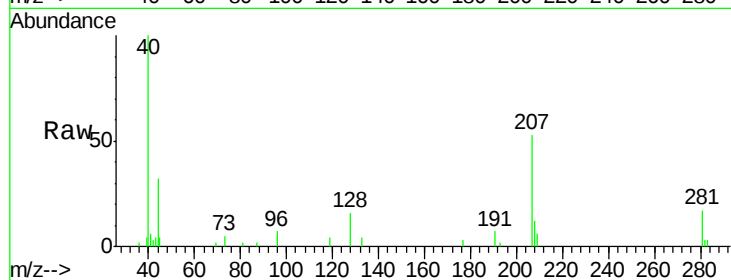
Lab File: VN054215.D

Acq: 13 Mar 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	1737
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.7	13.1#

