

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
 Data File : VN059665.D
 Acq On : 19 Dec 2019 12:25
 Operator : JC/SP
 Sample : VN1219MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

Quant Time: Dec 20 01:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	228466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115608	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	162772	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	7.56	113	114027	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.08	98	454669	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	140879	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

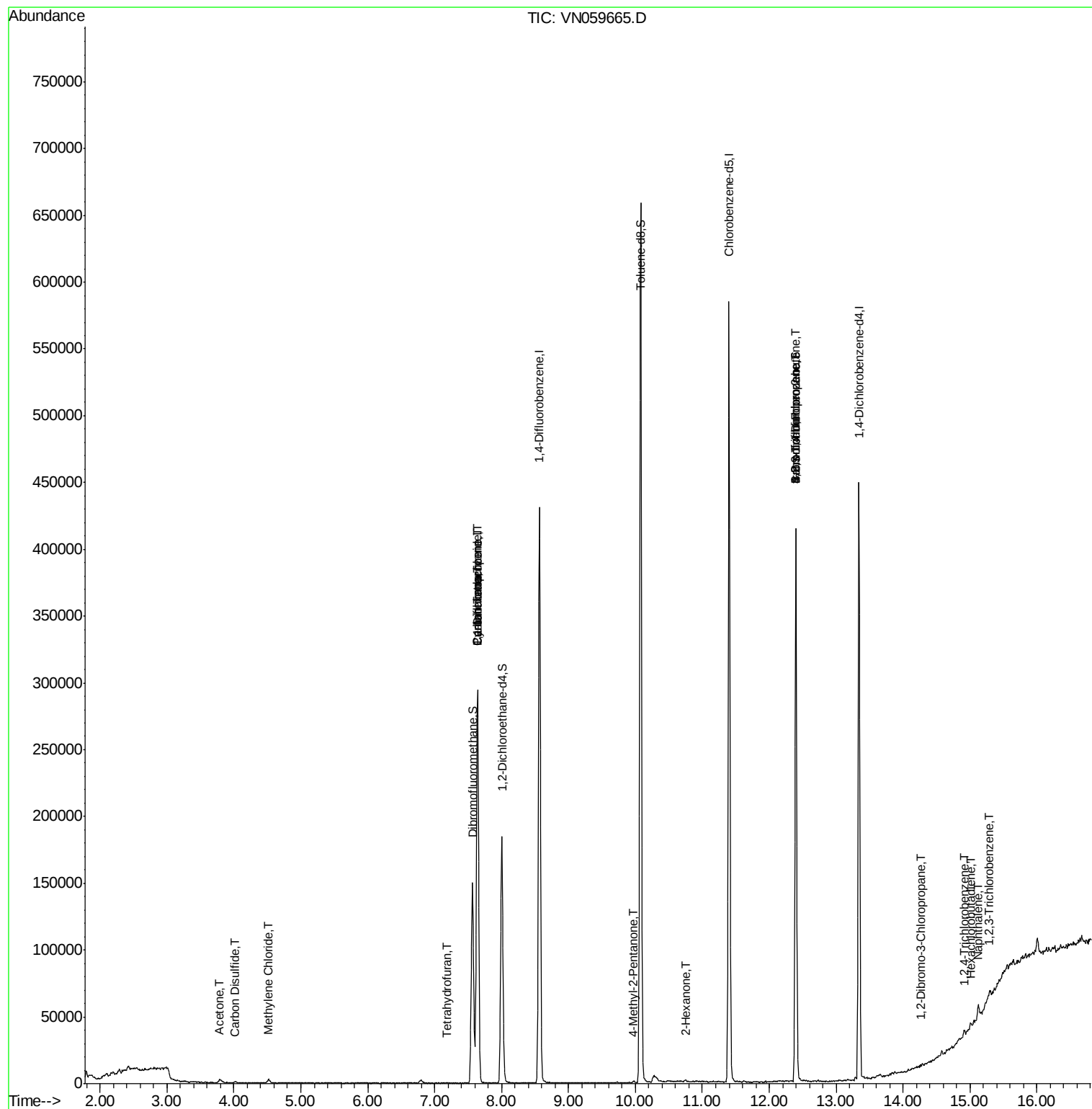
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4406	2.232	ug/l	89
17) Carbon Disulfide	4.02	76	1993	2.106	ug/l #	75
20) Methylene Chloride	4.52	84	2027	0.711	ug/l #	87
29) Tetrahydrofuran	7.20	42	344	0.239	ug/l #	35
31) Cyclohexane	7.63	56	5290	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	19684	5.131	ug/l #	50
38) Carbon Tetrachloride	7.64	117	23572	5.922	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1044	0.253	ug/l #	60
59) 2-Hexanone	10.75	43	991	0.304	ug/l	65
71) Bromoform	12.40	173	936	0.471	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	77254	26.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77254	66.671	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	211	1.877	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1432	0.548	ug/l	95
94) Hexachlorobutadiene	15.01	225	549	2.039	ug/l	83
95) Naphthalene	15.12	128	6763	0.867	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.29	180	2138	0.809	ug/l	90

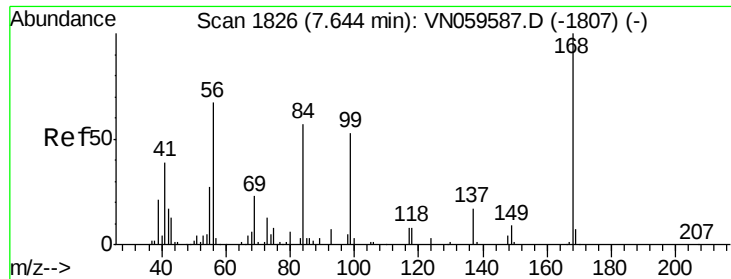
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
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Quant Time: Dec 20 01:51:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

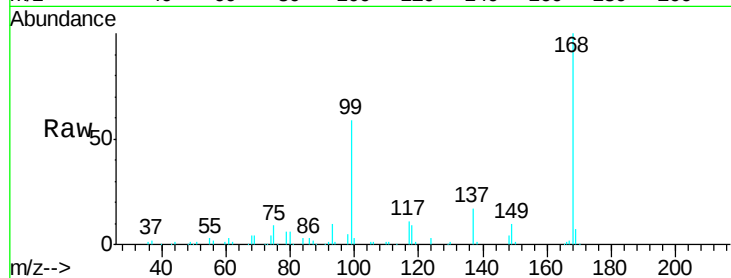
VN1219MBL01

Tgt Ion:168 Resp: 228466

Ion Ratio Lower Upper

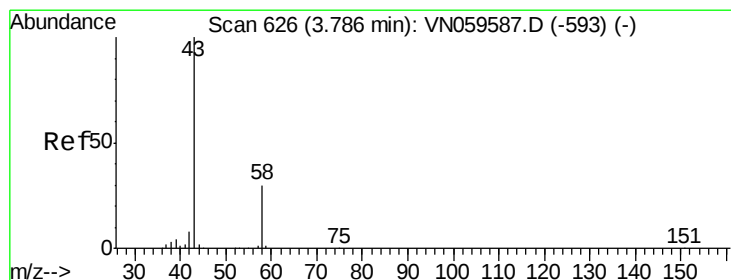
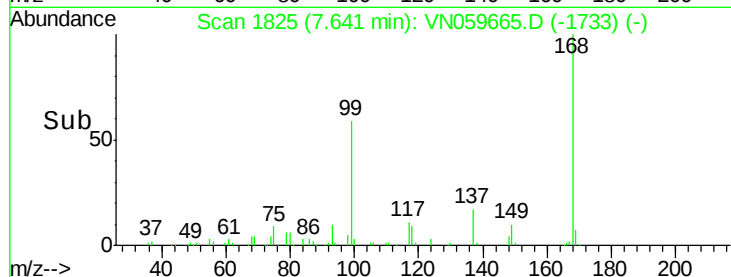
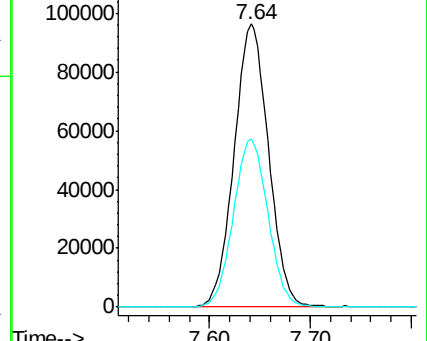
168 100

99 59.4 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: 2.232 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059665.D

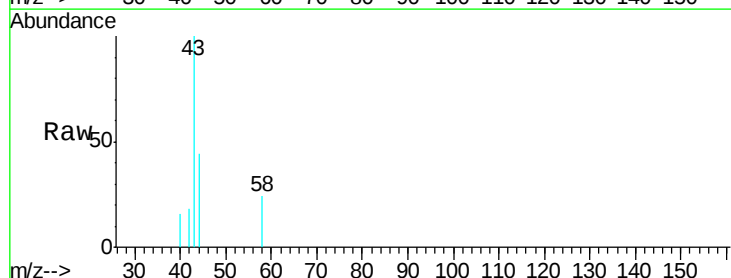
Acq: 19 Dec 2019 12:25

Tgt Ion: 43 Resp: 4406

Ion Ratio Lower Upper

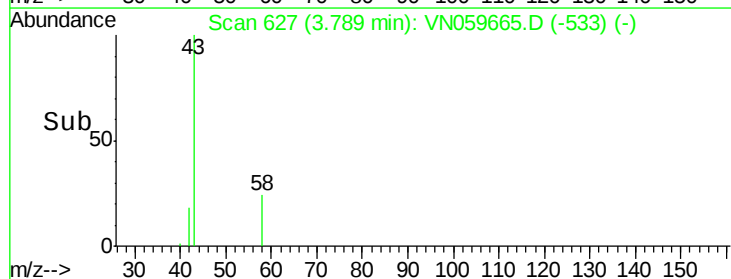
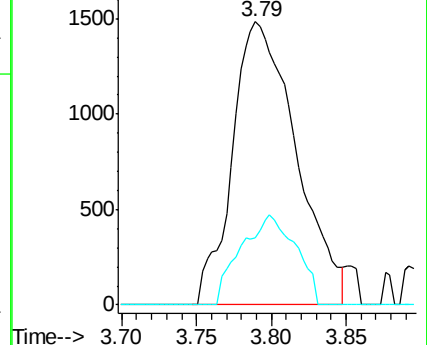
43 100

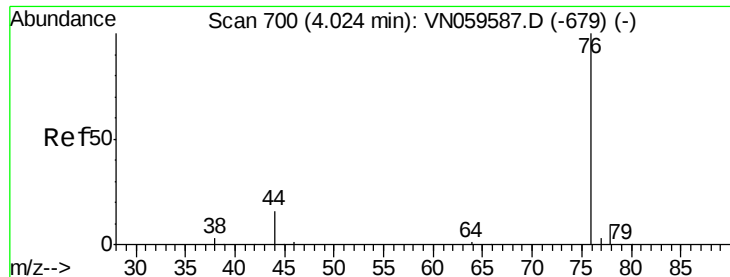
58 23.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

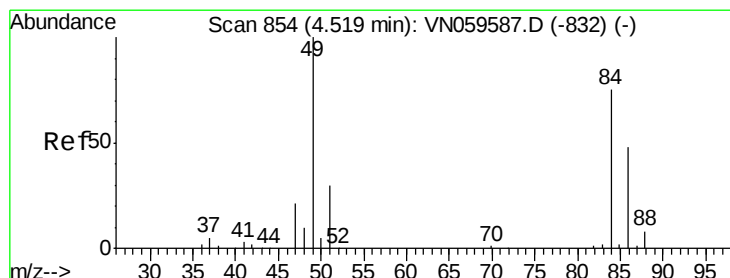
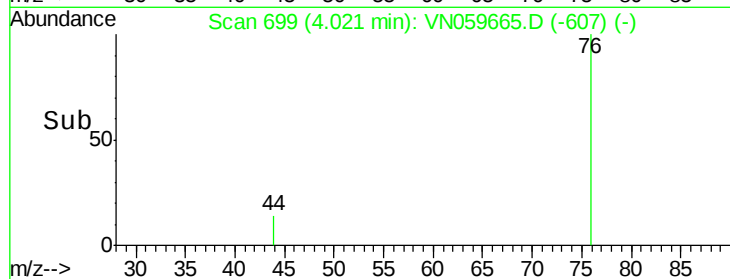
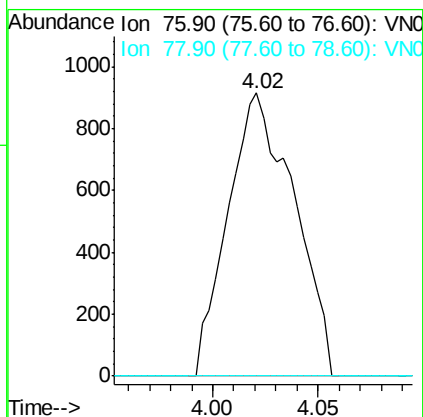
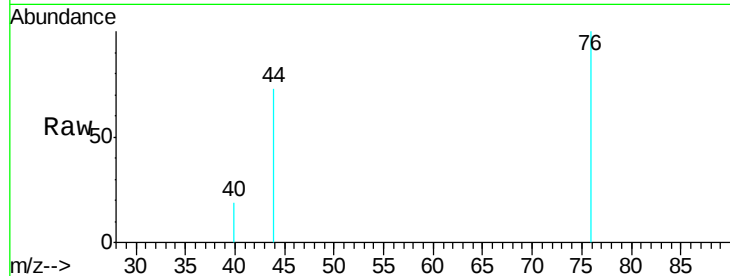




#17
Carbon Disulfide
Concen: 2.106 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

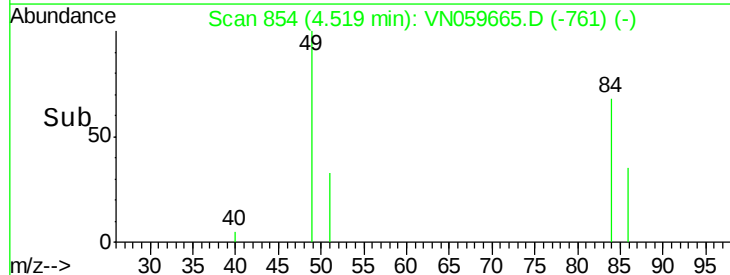
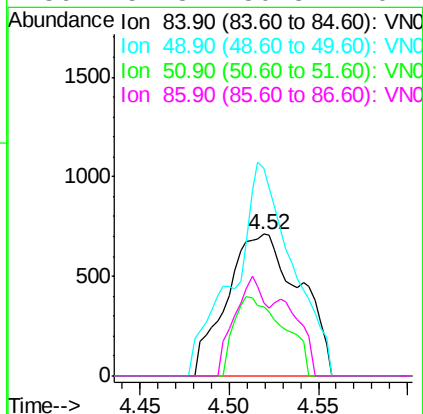
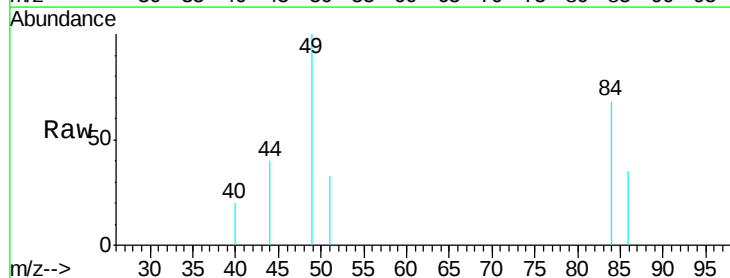
Instrument :
MSVOA_N
ClientSampled :
VN1219MBL01

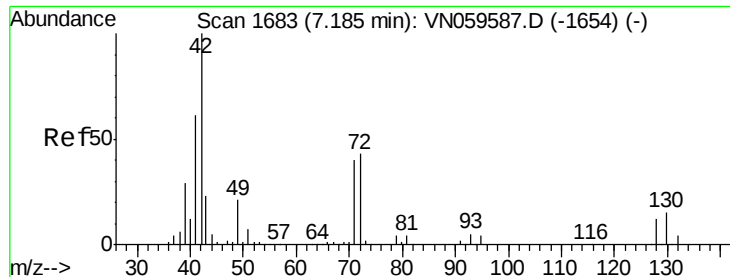
Tgt Ion: 76 Resp: 1993
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.711 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

Tgt Ion: 84 Resp: 2027
Ion Ratio Lower Upper
84 100
49 146.1 106.6 160.0
51 48.8 31.9 47.9#
86 51.8 50.8 76.2

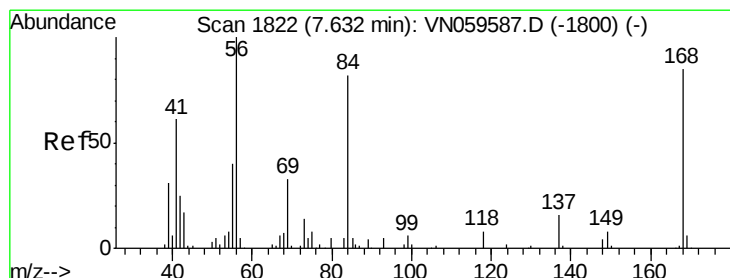
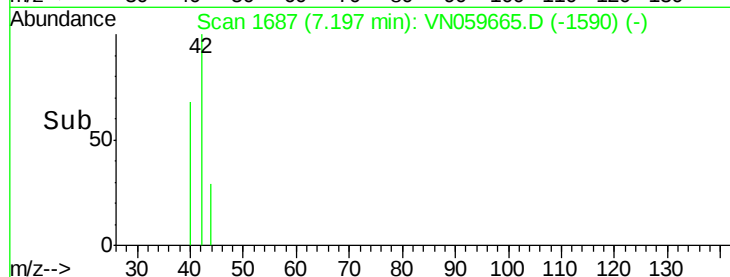
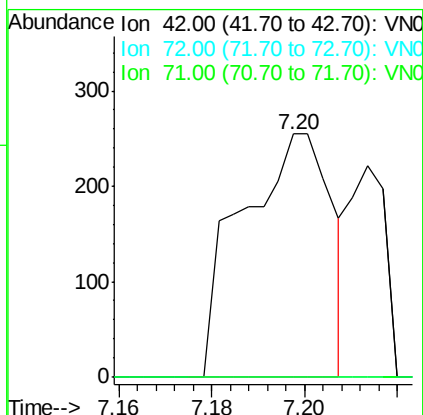
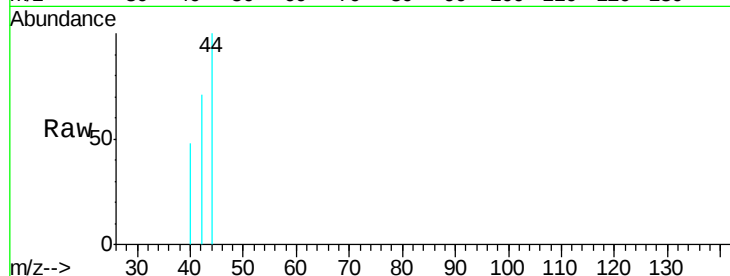




#29
Tetrahydrofuran
Concen: 0.239 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

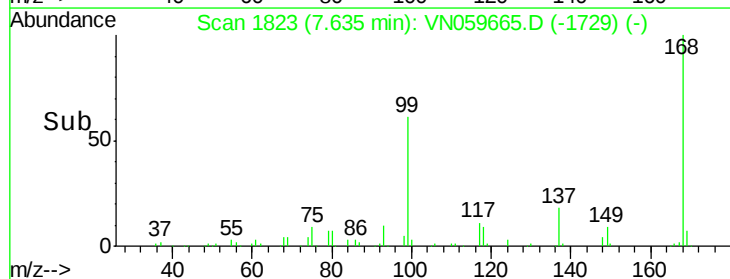
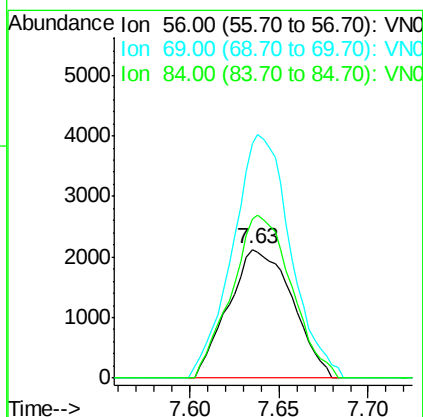
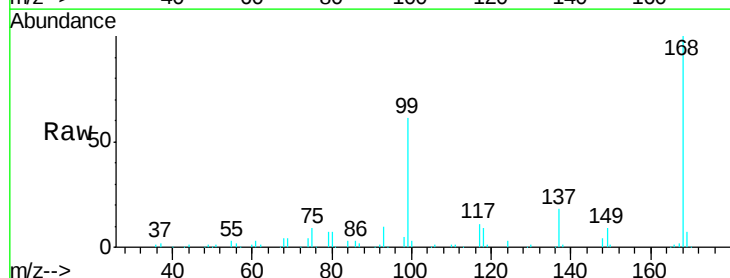
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBL01

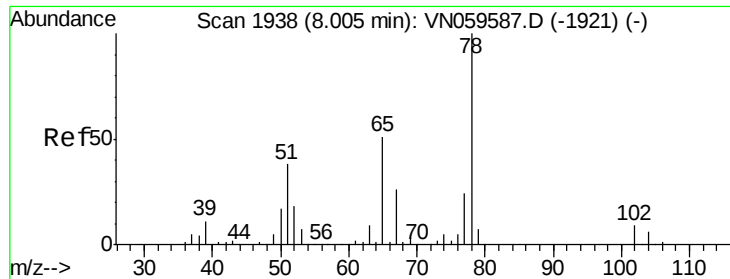
Tgt Ion: 42 Resp: 344
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

Tgt Ion: 56 Resp: 5290
Ion Ratio Lower Upper
56 100
69 182.5 26.5 39.7#
84 123.9 65.3 97.9#

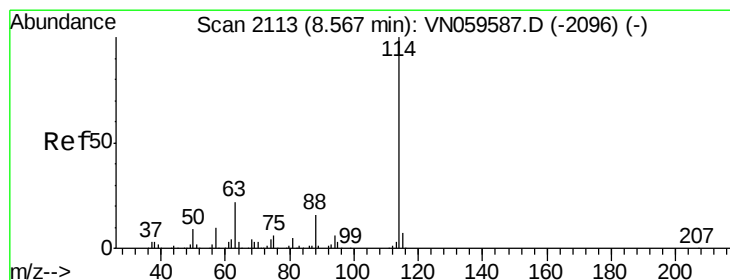
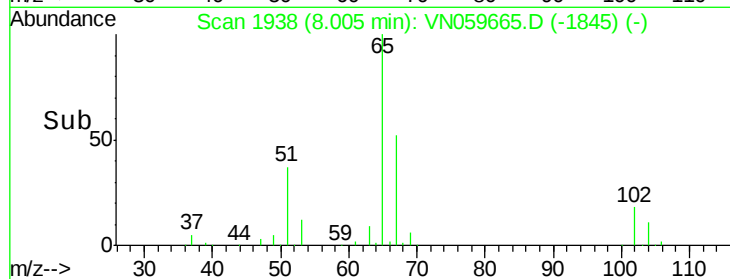
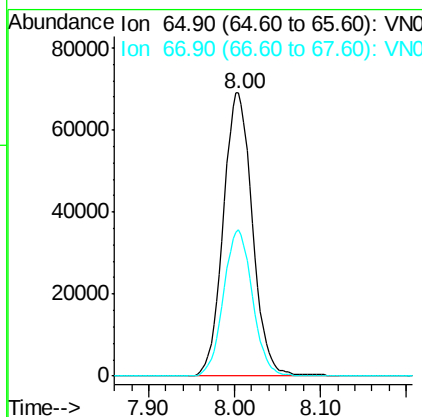
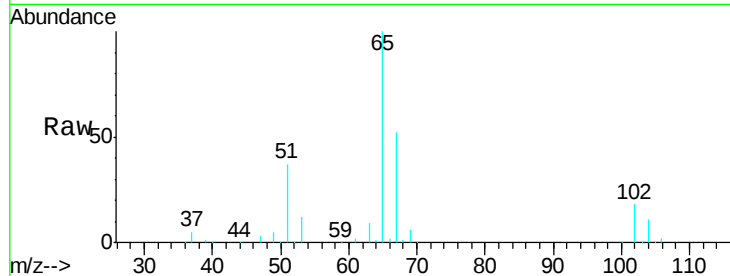




#33
 1,2-Dichloroethane-d4
 Concen: 48.961 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059665.D
 Acq: 19 Dec 2019 12:25

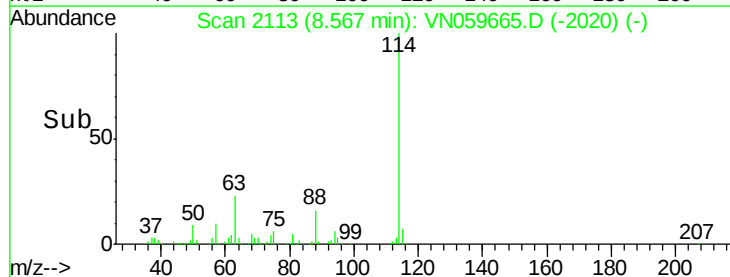
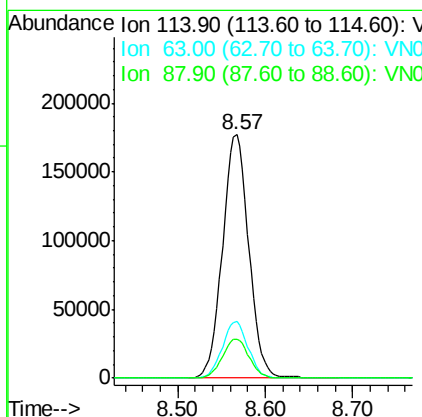
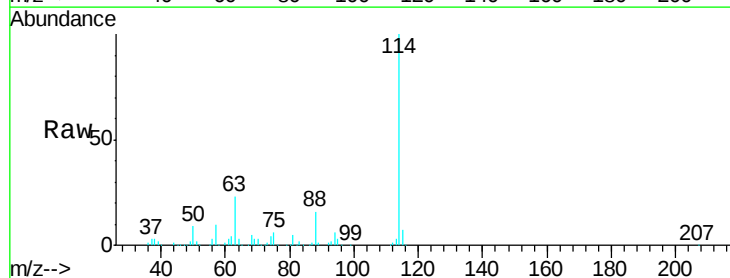
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

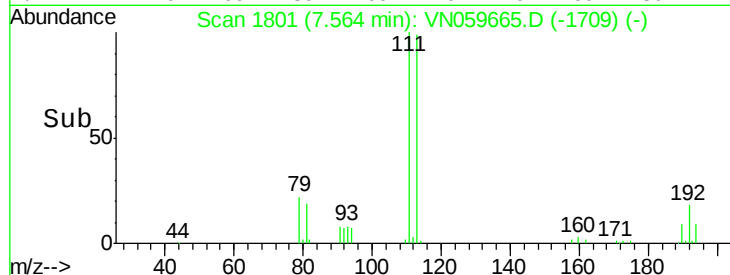
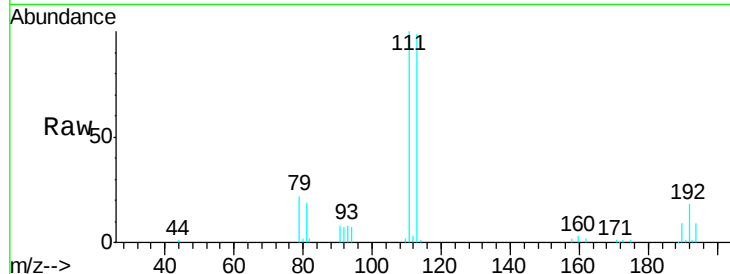
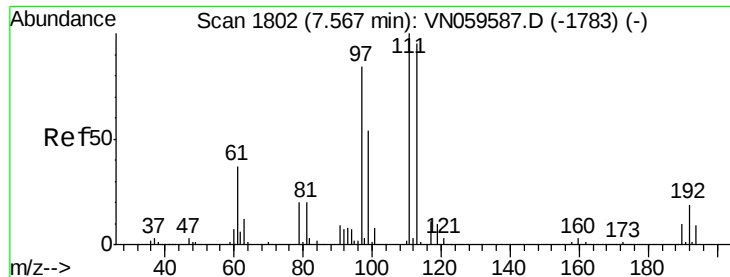
Tgt Ion: 65 Resp: 162772
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059665.D
 Acq: 19 Dec 2019 12:25

Tgt Ion: 114 Resp: 367853
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 43.6
 88 16.2 0.0 31.4

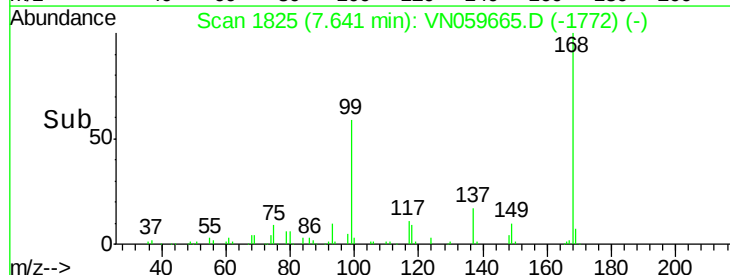
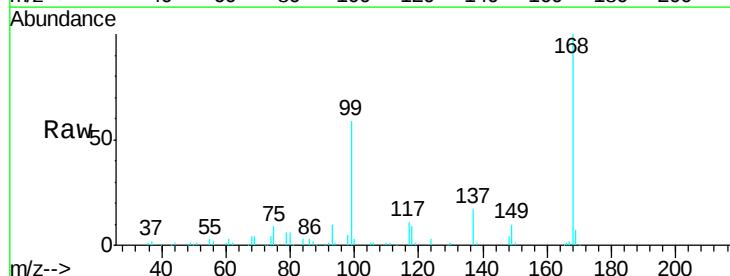
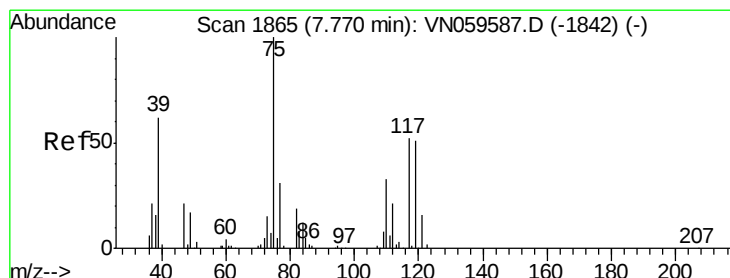
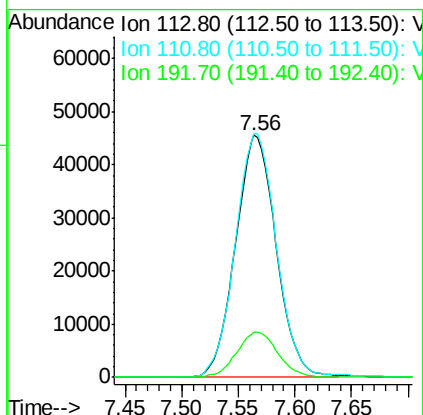




#35
Dibromofluoromethane
Concen: 49.542 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

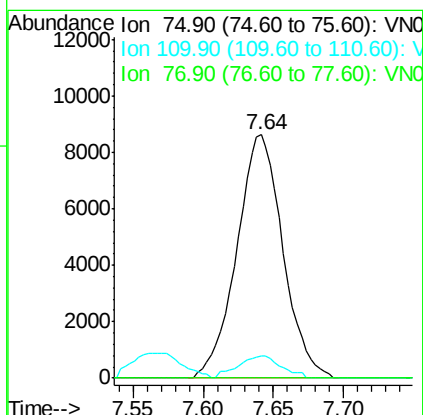
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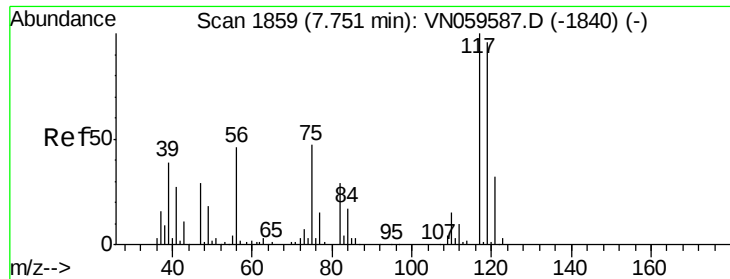
Tgt Ion:113 Resp: 114027
Ion Ratio Lower Upper
113 100
111 102.4 83.5 125.3
192 18.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059665.D
Acq: 19 Dec 2019 12:25

Tgt Ion: 75 Resp: 19684
Ion Ratio Lower Upper
75 100
110 8.4 16.6 49.7#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

VN1219MBL01

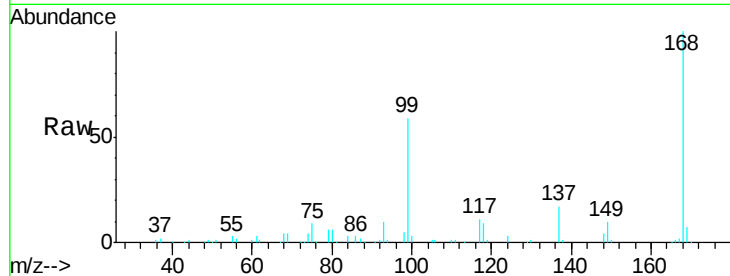
Tgt Ion:117 Resp: 23572

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

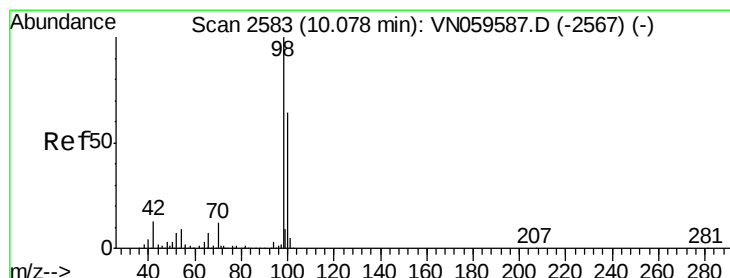
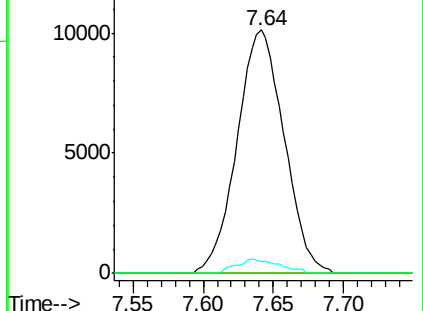
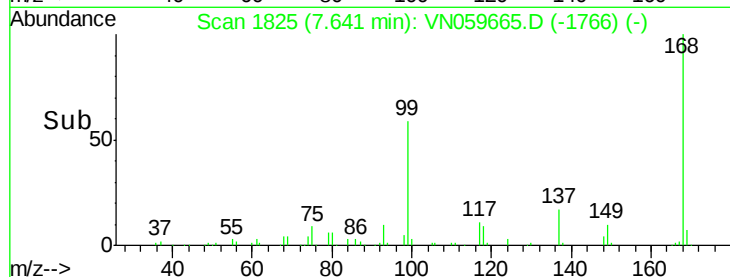
121 0.0 25.1 37.7#



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: 49.896 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059665.D

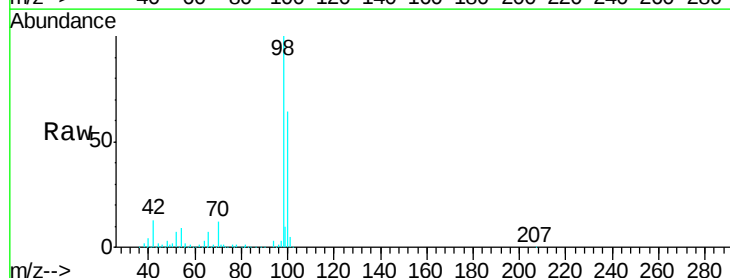
Acq: 19 Dec 2019 12:25

Tgt Ion: 98 Resp: 454669

Ion Ratio Lower Upper

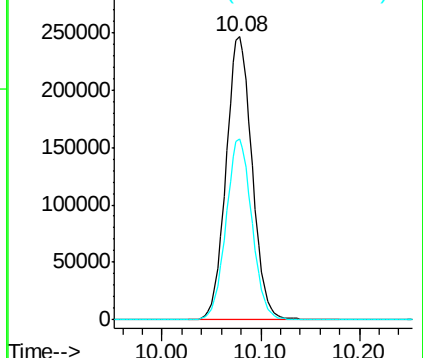
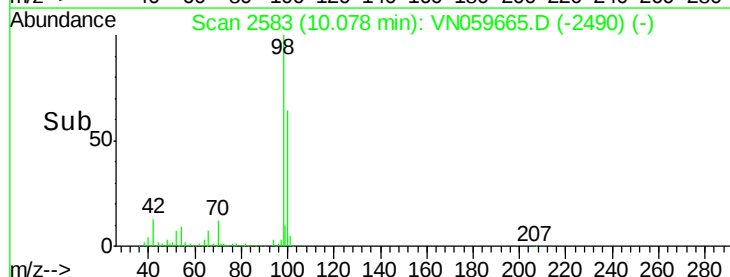
98 100

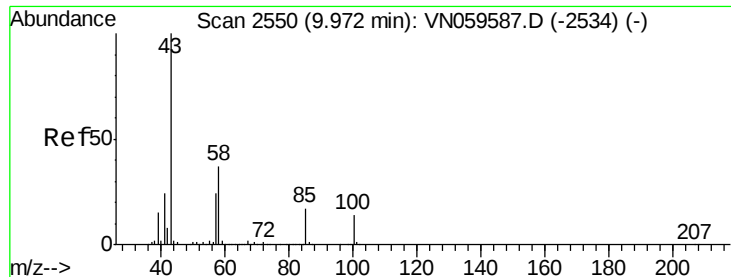
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.253 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

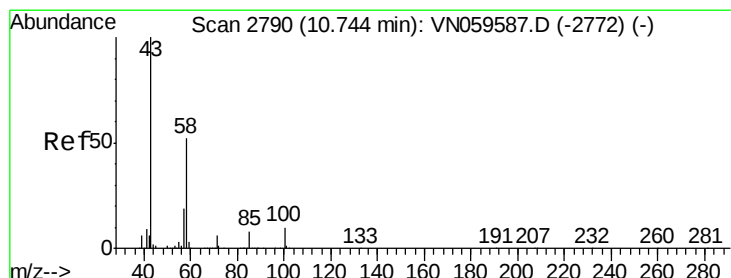
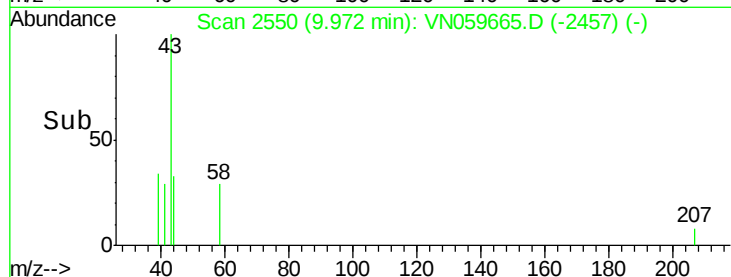
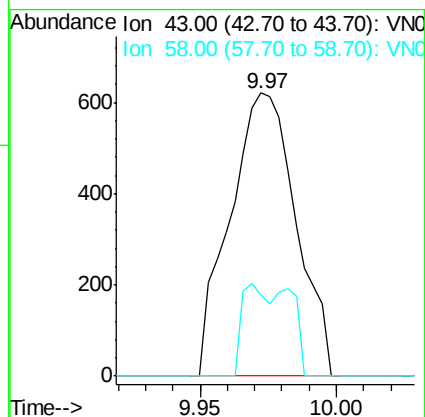
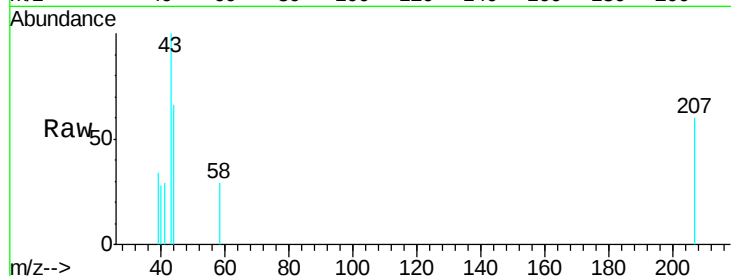
VN1219MBL01

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

58 13.4 29.8 44.8#



#59

2-Hexanone

Concen: 0.304 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059665.D

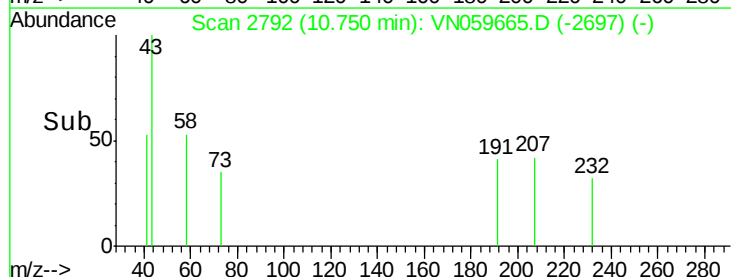
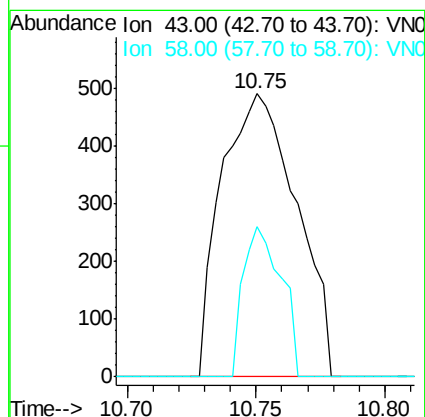
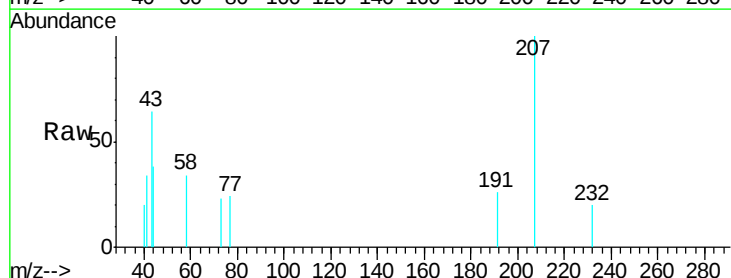
Acq: 19 Dec 2019 12:25

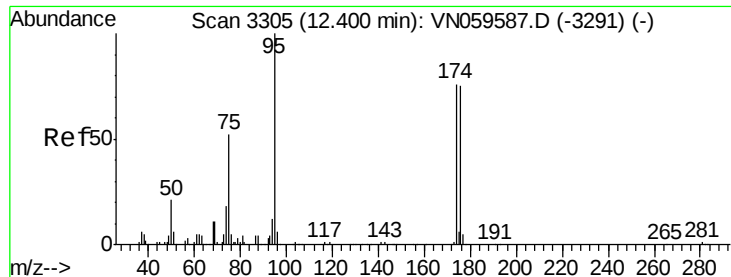
Tgt Ion: 43 Resp: 991

Ion Ratio Lower Upper

43 100

58 26.8 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 42.369 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

VN1219MBL01

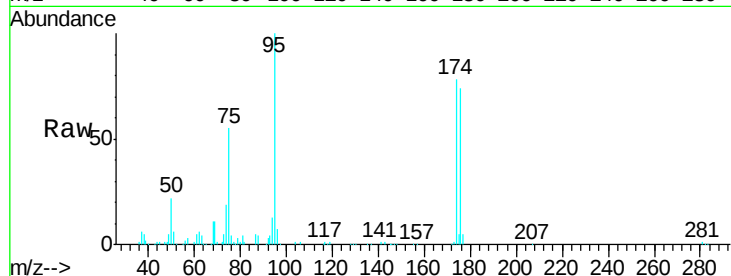
Tgt Ion: 95 Resp: 140879

Ion Ratio Lower Upper

95 100

174 77.2 0.0 151.4

176 74.6 0.0 146.0

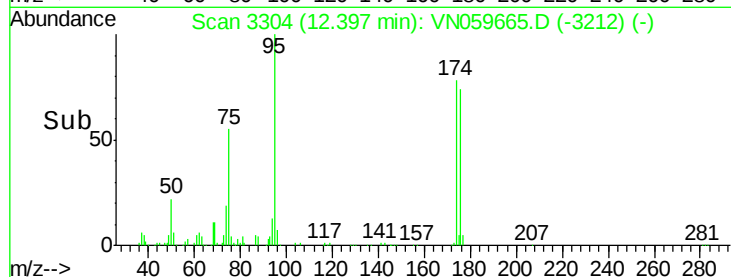


Abundance Ion 94.90 (94.60 to 95.60): VN059587.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059587.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059587.D (-3291) (-)

Time-->

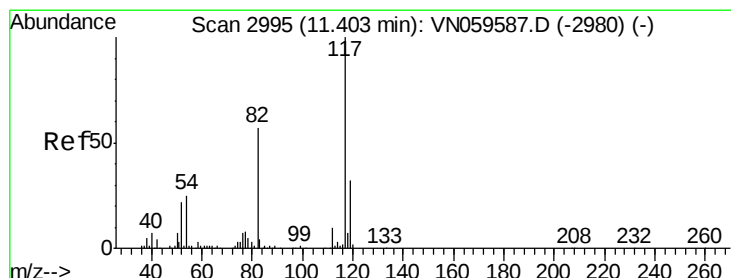


Abundance Ion 94.90 (94.60 to 95.60): VN059665.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059665.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059665.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

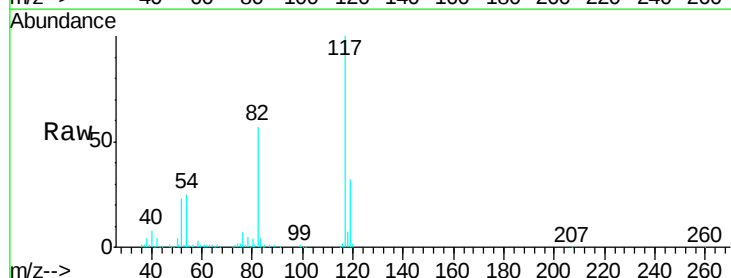
Tgt Ion: 117 Resp: 322004

Ion Ratio Lower Upper

117 100

82 57.3 45.9 68.9

119 31.8 25.5 38.3

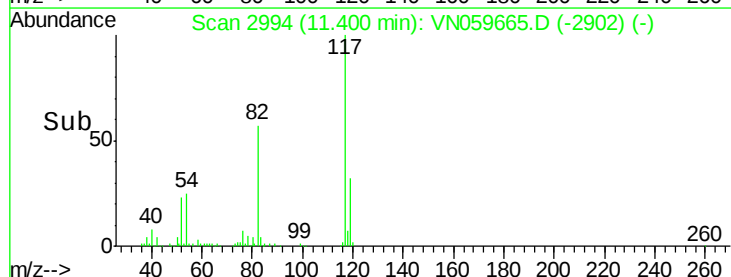


Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059587.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059587.D (-2980) (-)

Time-->

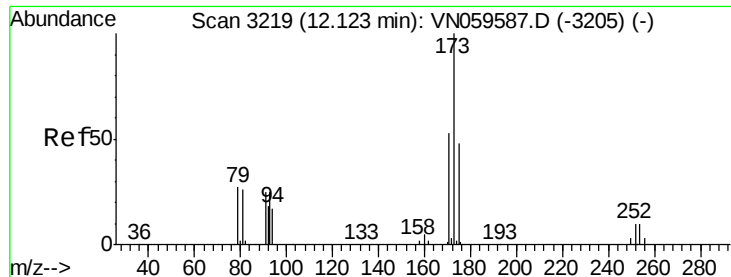


Abundance Ion 116.90 (116.60 to 117.60): VN059665.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059665.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059665.D (-2902) (-)

Time-->



#71

Bromoform

Concen: 0.471 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL01

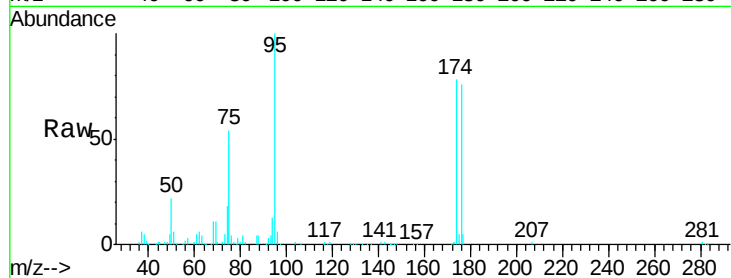
Tgt Ion:173 Resp: 936

Ion Ratio Lower Upper

173 100

175 707.6 23.8 71.4#

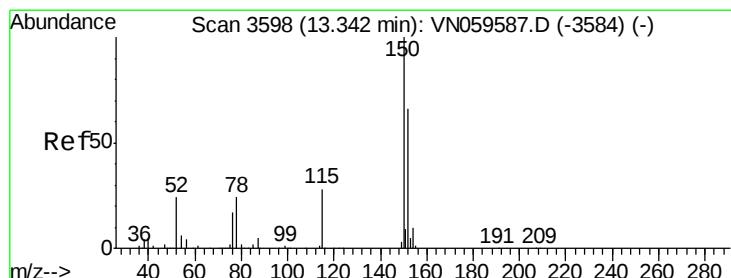
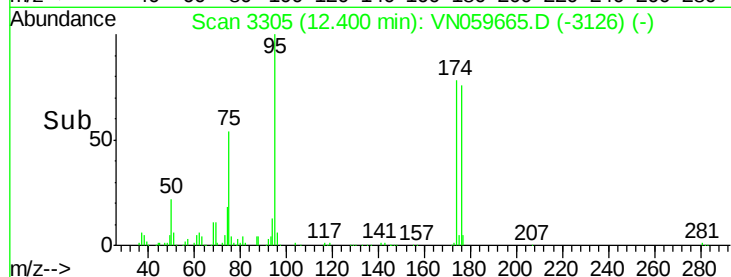
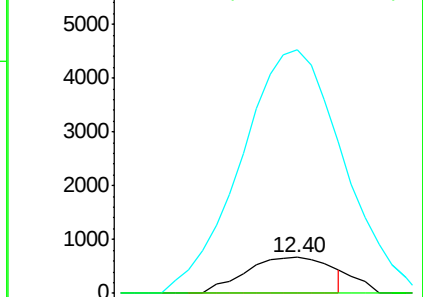
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

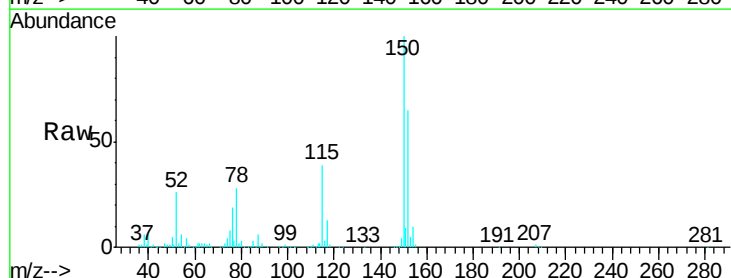
Tgt Ion:152 Resp: 115608

Ion Ratio Lower Upper

152 100

115 60.8 30.3 90.9

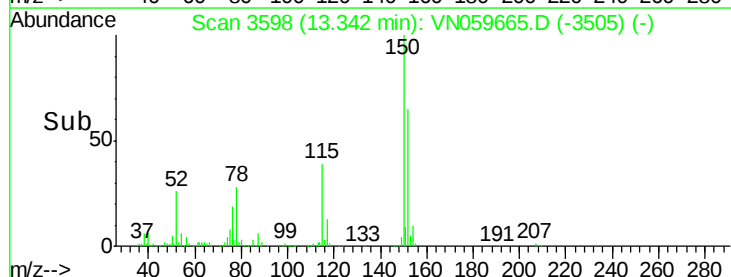
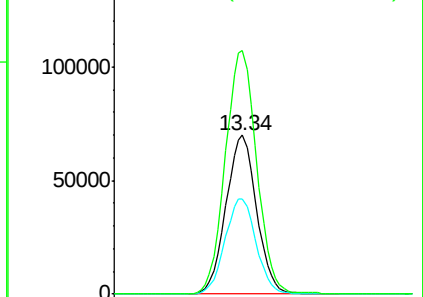
150 156.5 0.0 345.2

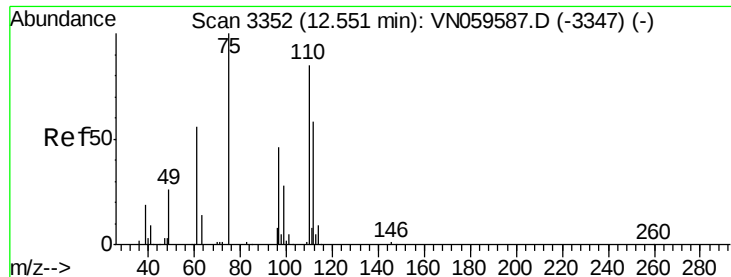


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

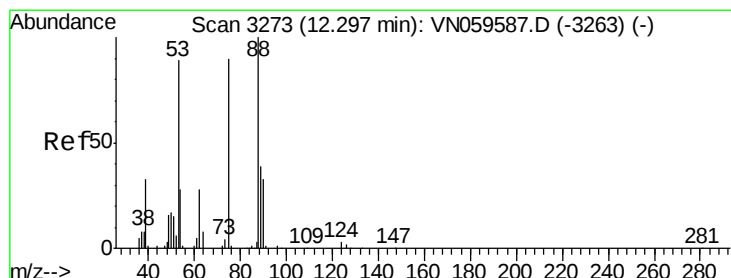
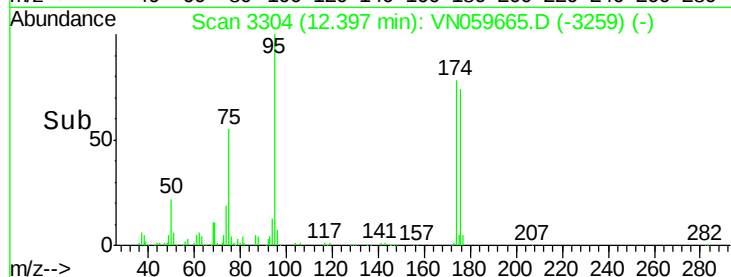
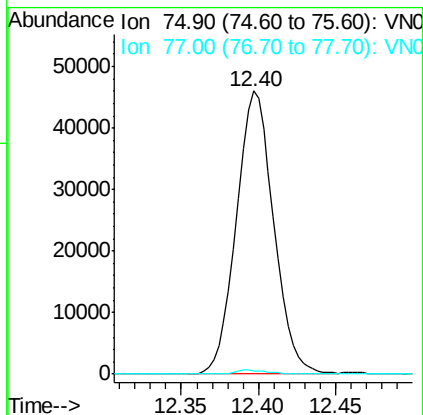
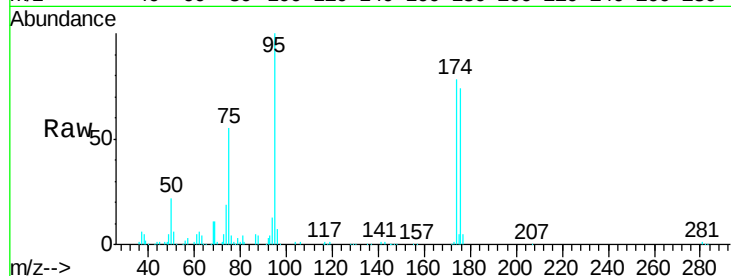
VN1219MBL01

Tgt Ion: 75 Resp: 77254

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.671 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

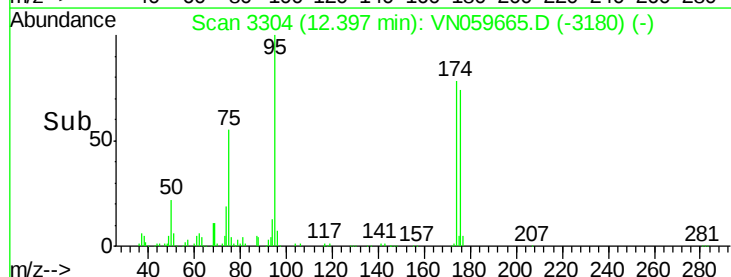
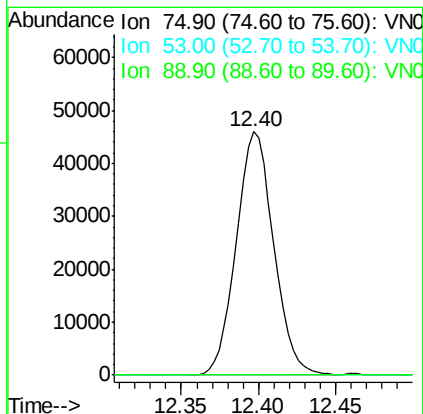
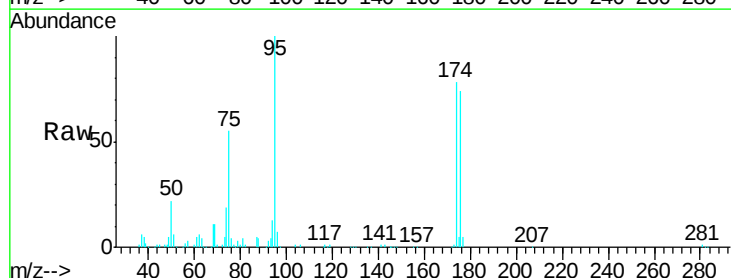
Tgt Ion: 75 Resp: 77254

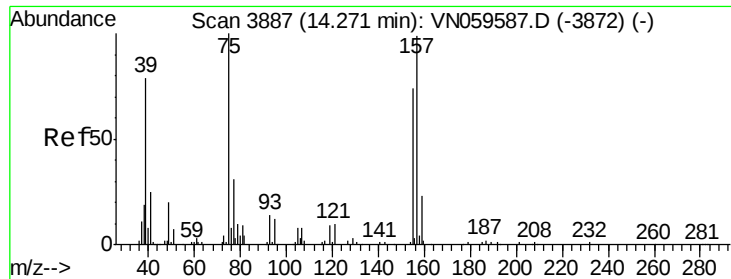
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

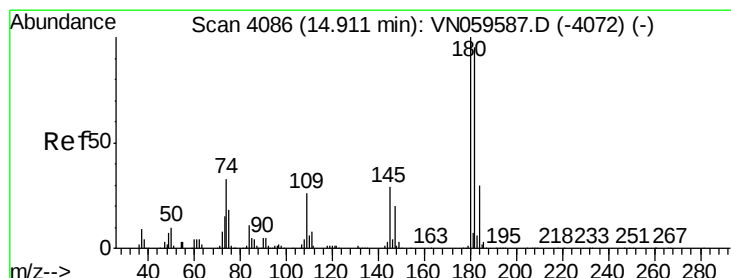
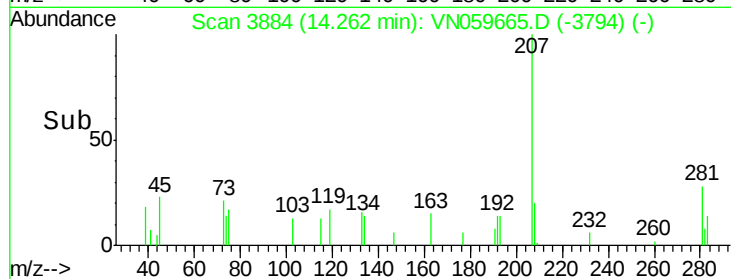
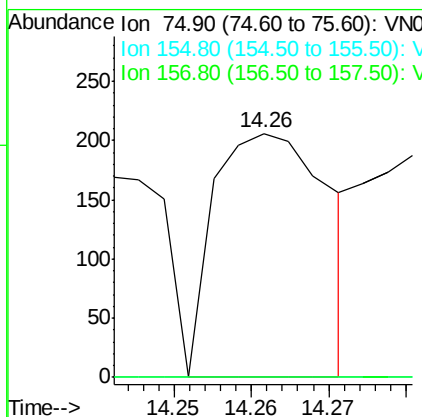
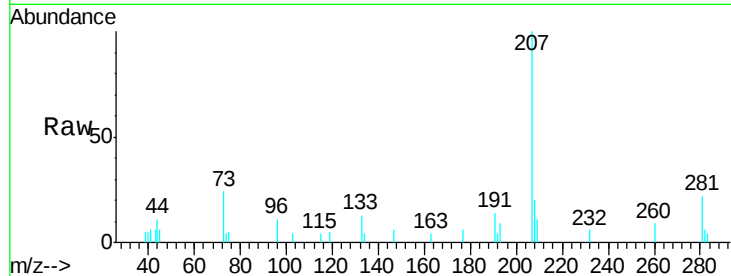




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.877 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN059665.D
 Acq: 19 Dec 2019 12:25

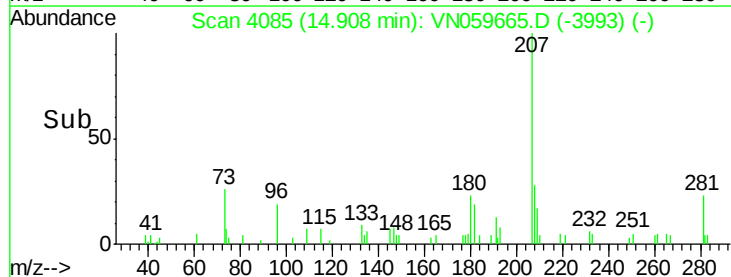
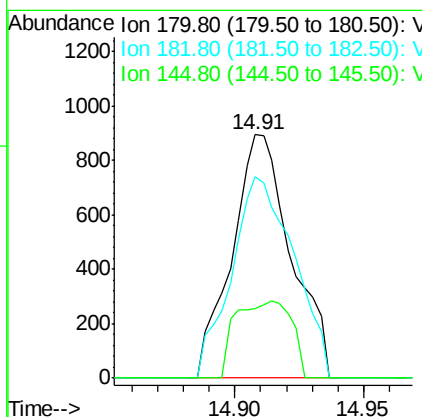
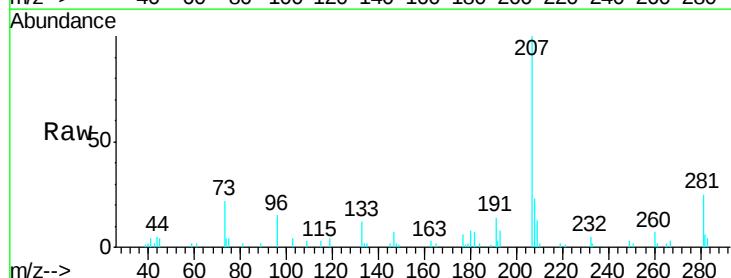
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

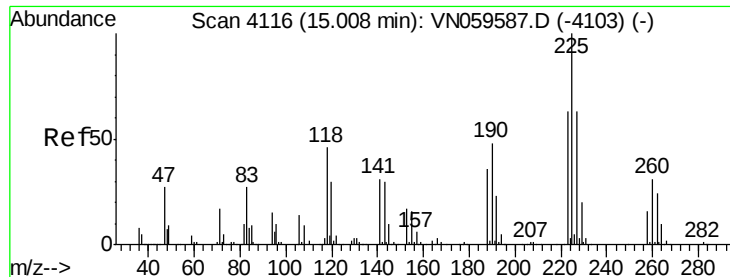
Tgt Ion: 75 Resp: 211
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.548 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059665.D
 Acq: 19 Dec 2019 12:25

Tgt Ion: 180 Resp: 1432
 Ion Ratio Lower Upper
 180 100
 182 87.3 46.9 140.7
 145 29.8 15.0 45.1





#94

Hexachlorobutadiene

Concen: 2.039 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

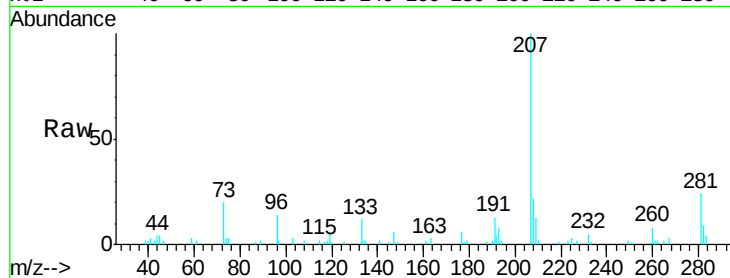
Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL01

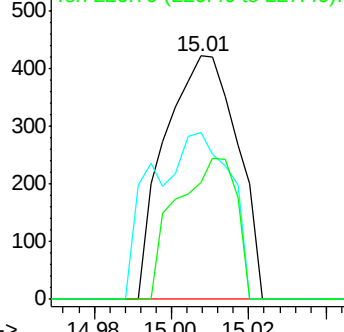
Tgt Ion:	225	Resp:	549
Ion	Ratio	Lower	Upper
225	100		
223	73.8	31.8	95.3
227	48.1	32.1	96.5



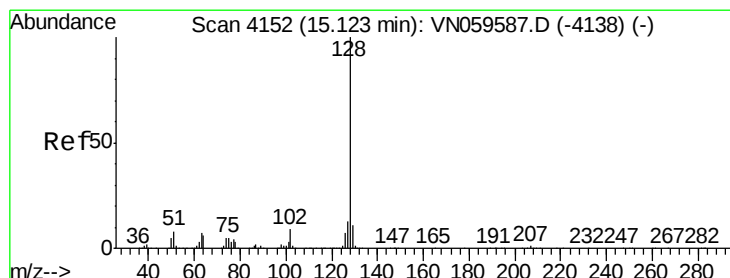
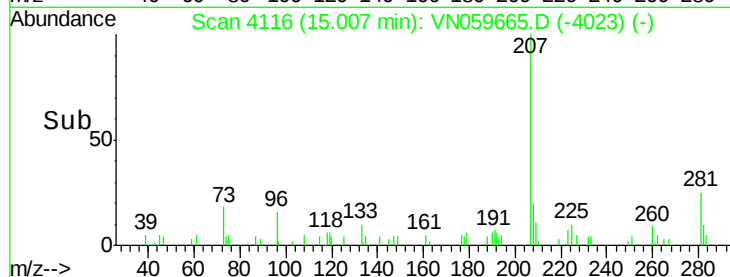
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 0.867 ug/l

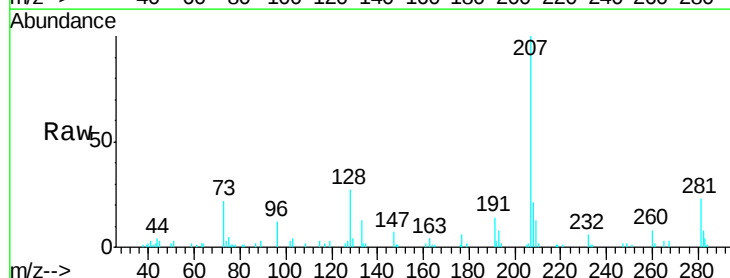
RT: 15.12 min Scan# 4152

Delta R.T. -0.00 min

Lab File: VN059665.D

Acq: 19 Dec 2019 12:25

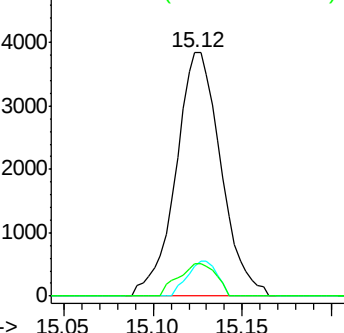
Tgt Ion:	128	Resp:	6763
Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.4	15.6#
129	11.3	8.6	12.8



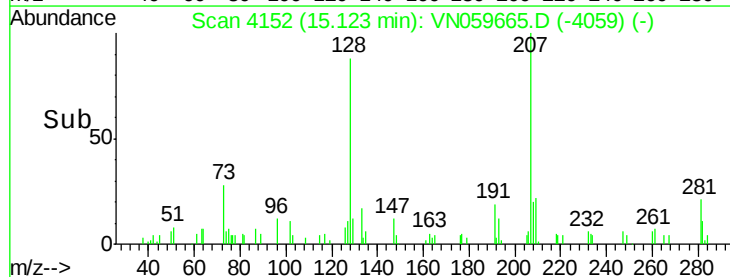
Abundance Ion 128.00 (127.70 to 128.70): V

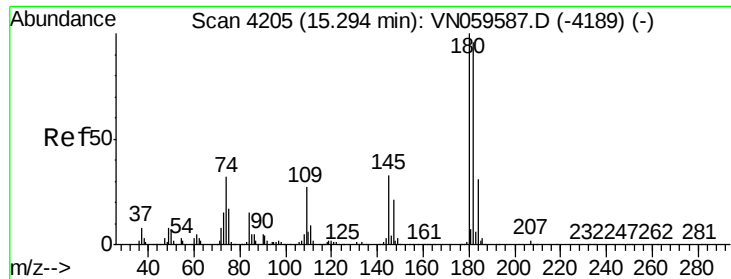
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 0.809 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.00 min
 Lab File: VN059665.D
 Acq: 19 Dec 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.4	142.3
145	41.3	16.3	48.9

