

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059555.D
 Acq On : 11 Dec 2019 12:08
 Operator : JC/SP
 Sample : VN1211MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBL01

Quant Time: Dec 12 00:50:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

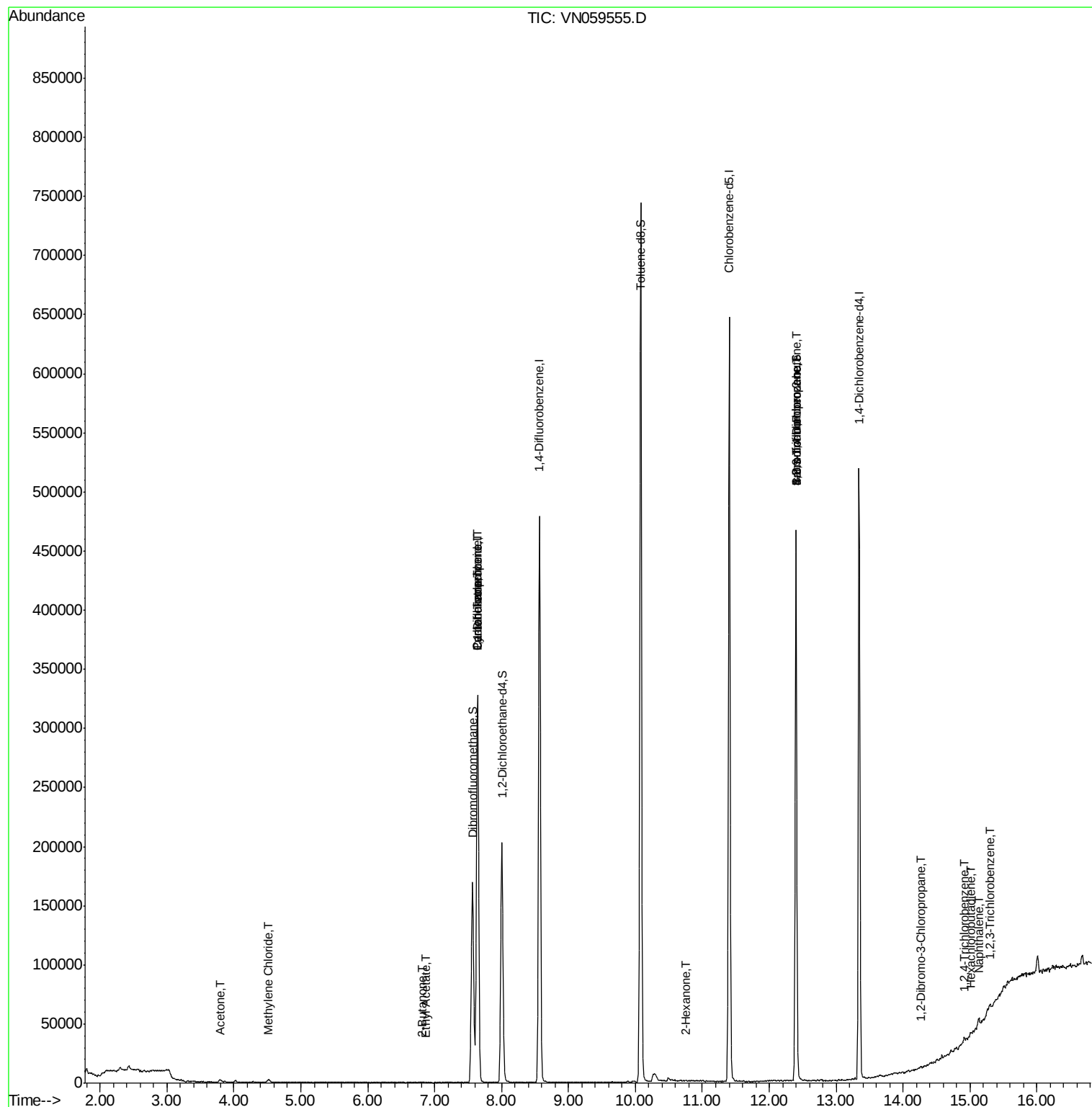
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	255590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	412147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	357590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133245	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	179274	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
35) Dibromofluoromethane	7.57	113	130070	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
50) Toluene-d8	10.08	98	508238	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	159628	42.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	4099	2.456	ug/l #	87
17) Carbon Disulfide	4.02	76	2933	Below Cal	#	83
20) Methylene Chloride	4.53	84	2035	0.405	ug/l #	81
25) 2-Butanone	6.82	43	792	0.353	ug/l #	50
31) Cyclohexane	7.64	56	6006	1.116	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	21971	5.196	ug/l #	50
37) Ethyl Acetate	6.87	43	70	1.551	ug/l #	69
38) Carbon Tetrachloride	7.64	117	25782	6.186	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	788	Below Cal	#	37
59) 2-Hexanone	10.75	43	924	2.473	ug/l #	58
71) Bromoform	12.40	173	525	0.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	84954	24.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	84954	67.080	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.27	75	223	2.356	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1341	0.451	ug/l	81
94) Hexachlorobutadiene	15.00	225	531	0.349	ug/l	70
95) Naphthalene	15.13	128	5087	0.585	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	1861	3.021	ug/l	90

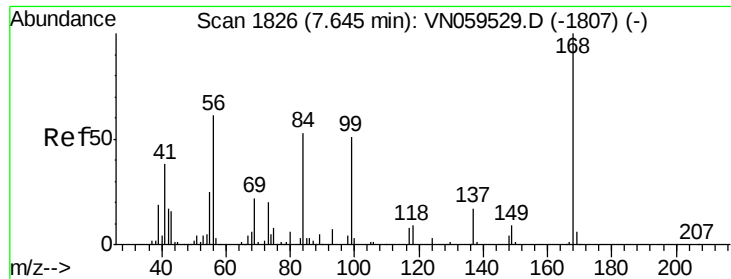
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN1211MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBL01

Quant Time: Dec 12 00:50:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 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: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

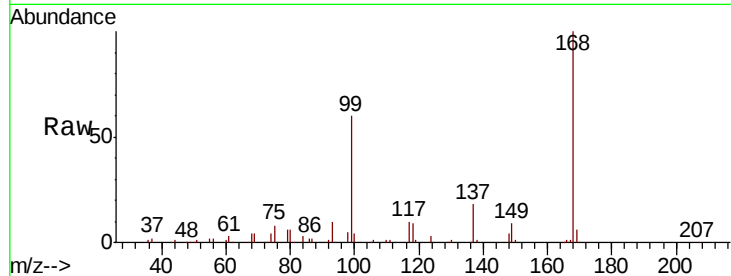
VN1211MBL01

Tot Ion:168 Resp: 255590

Ion Ratio Lower Upper

168 100

99 59.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

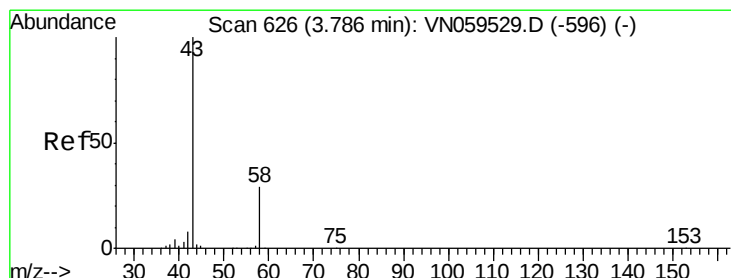
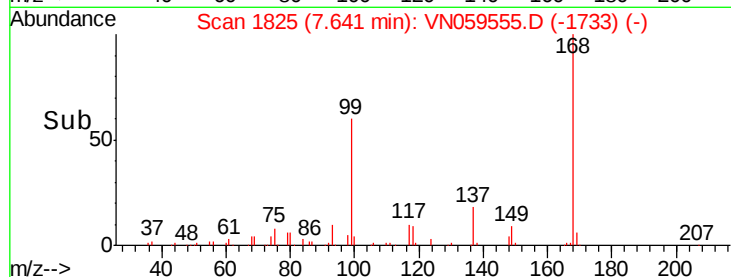
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 2.456 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059555.D

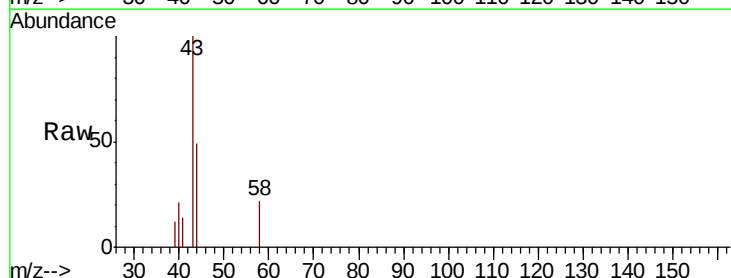
Acq: 11 Dec 2019 12:08

Tgt Ion: 43 Resp: 4099

Ion Ratio Lower Upper

43 100

58 21.6 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

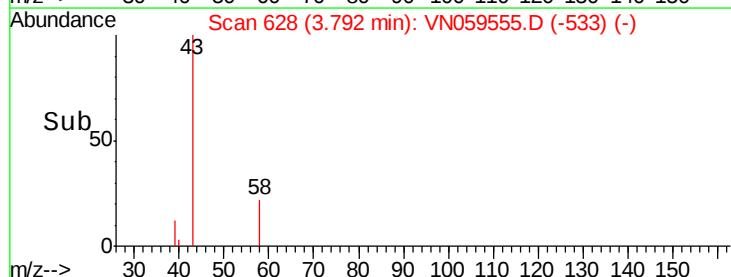
1500

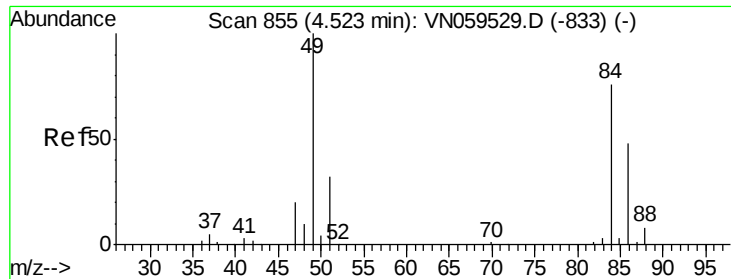
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90

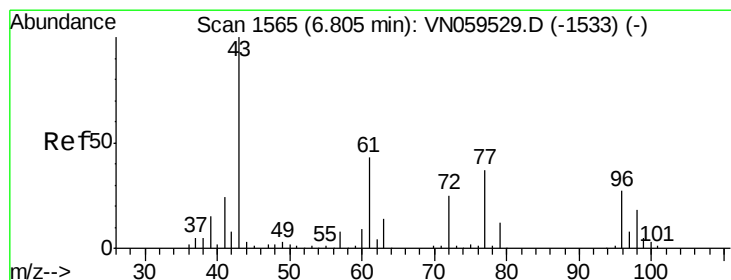
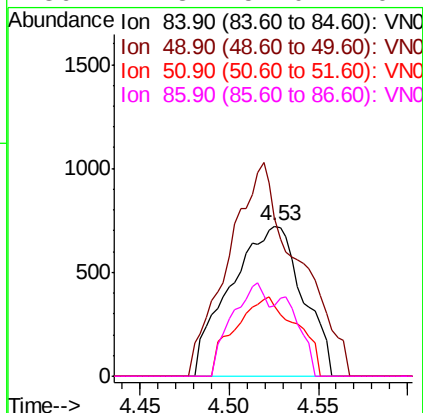
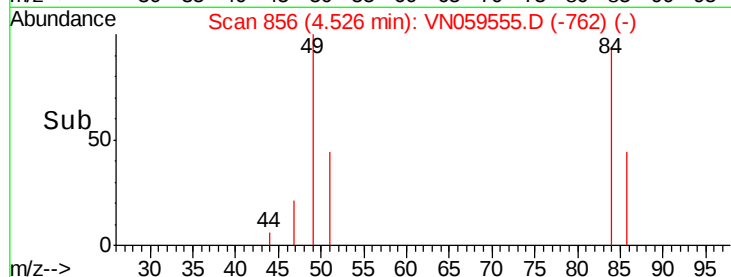
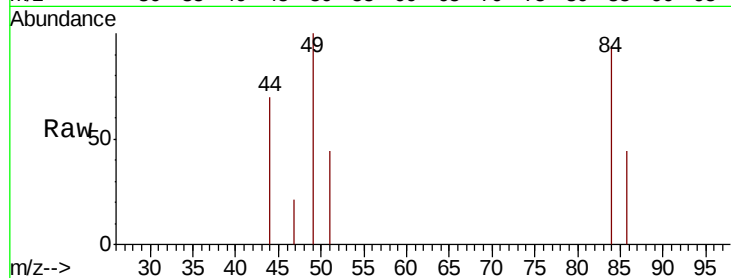




#20
Methvlene Chloride
Concen: 0.405 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

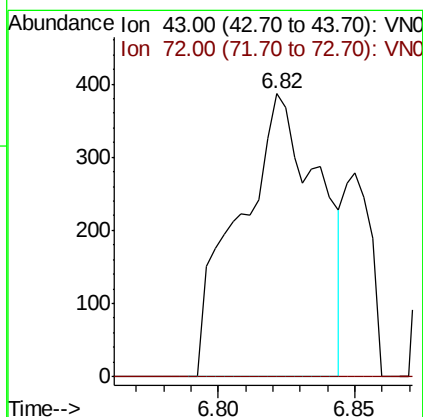
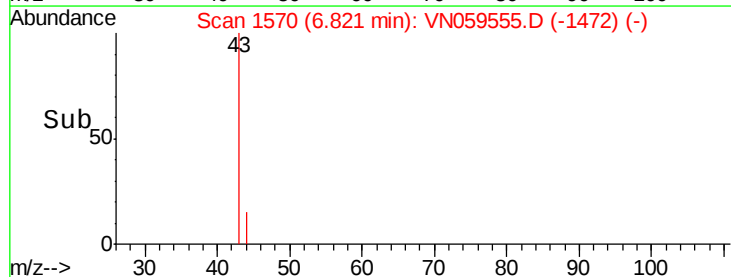
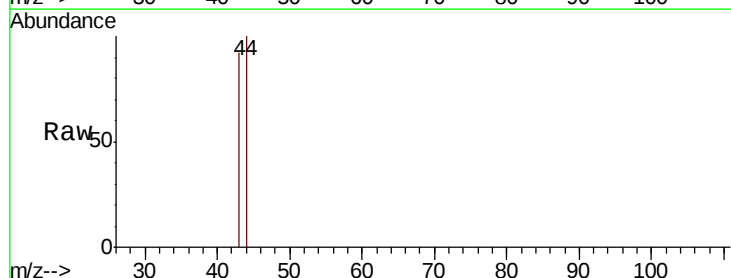
Instrument :
MSVOA_N
ClientSampleId :
VN1211MBL01

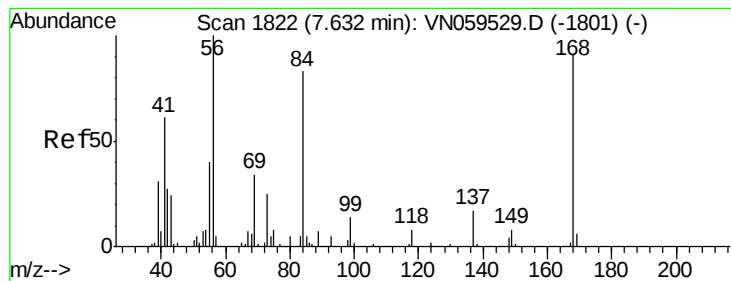
Tot Ion: 84 Resp: 2035
Ion Ratio Lower Upper
84 100
49 106.4 105.8 158.8
51 47.3 33.7 50.5
86 47.3 51.0 76.4#



#25
2-Butanone
Concen: 0.353 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

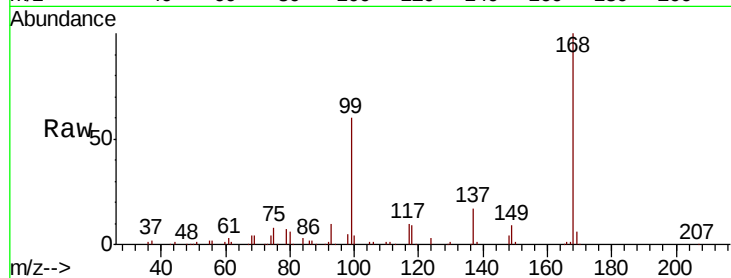
Tot Ion: 56 Resp: 6006

Ion Ratio Lower Upper

56 100

69 174.8 26.9 40.3#

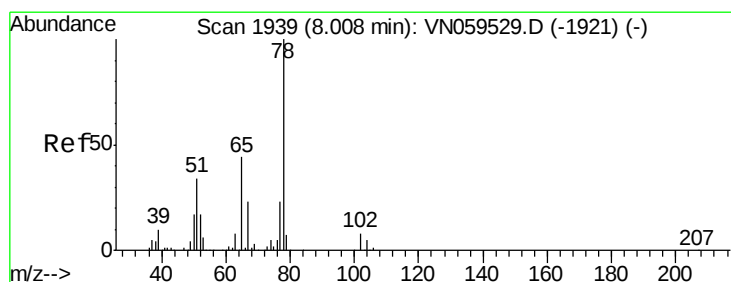
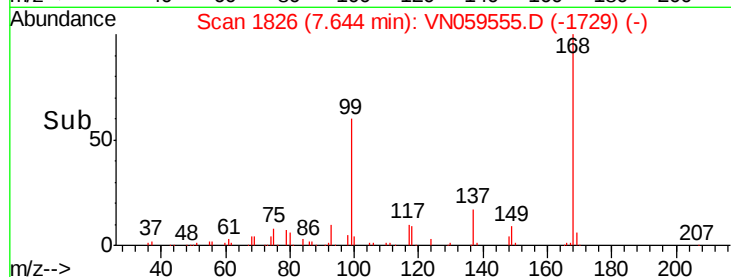
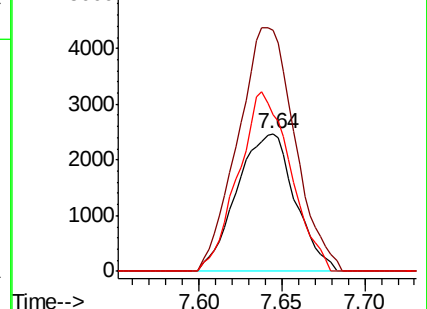
84 114.1 66.5 99.7#



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: 50.186 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059555.D

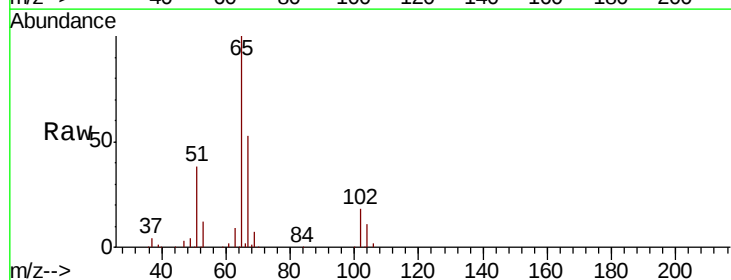
Acq: 11 Dec 2019 12:08

Tgt Ion: 65 Resp: 179274

Ion Ratio Lower Upper

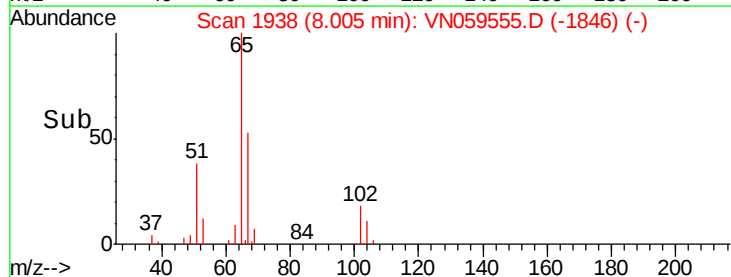
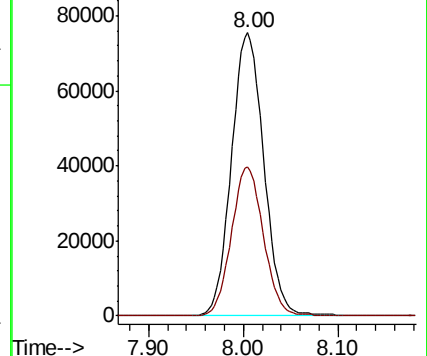
65 100

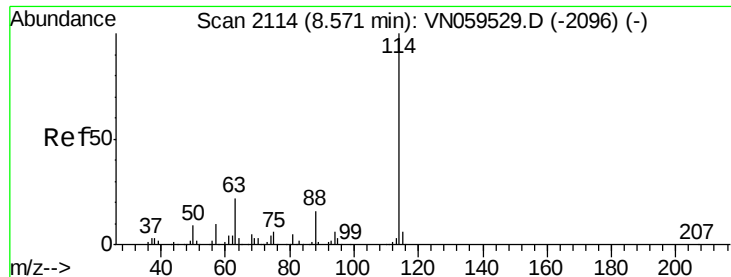
67 52.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

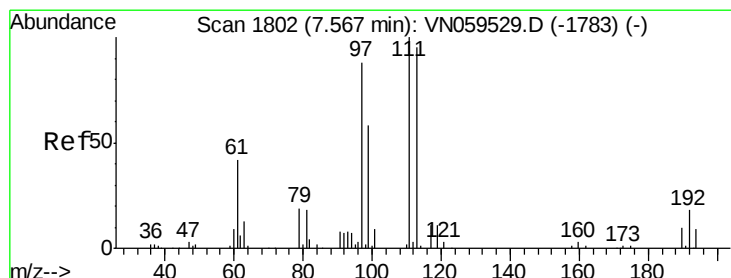
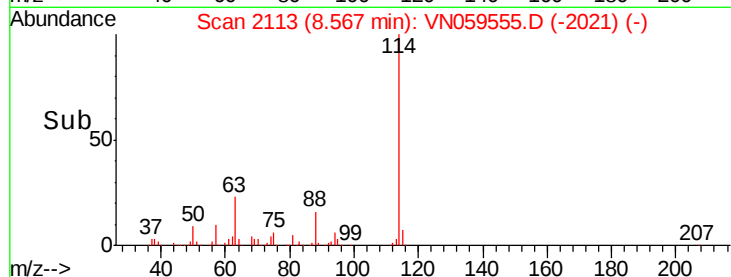
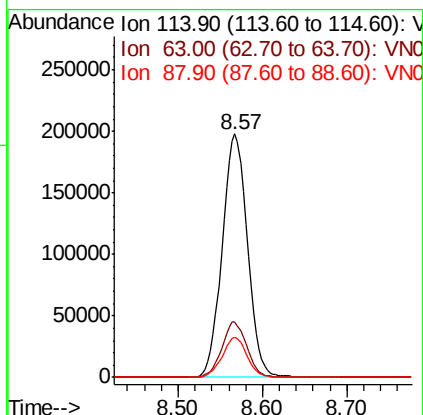
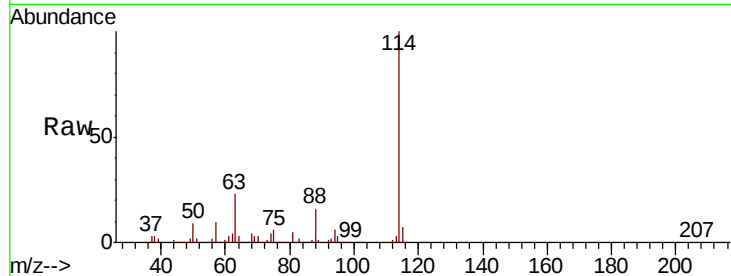




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

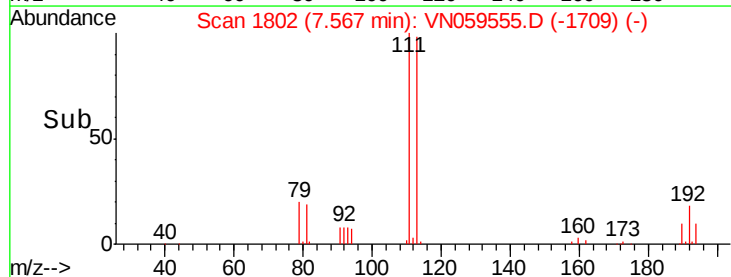
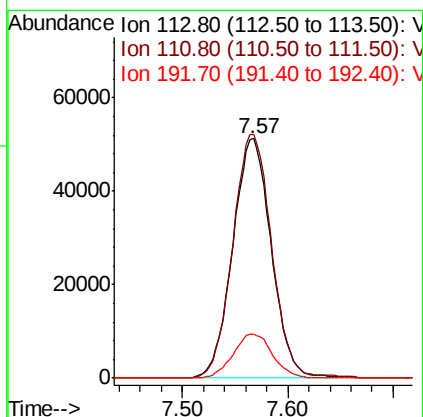
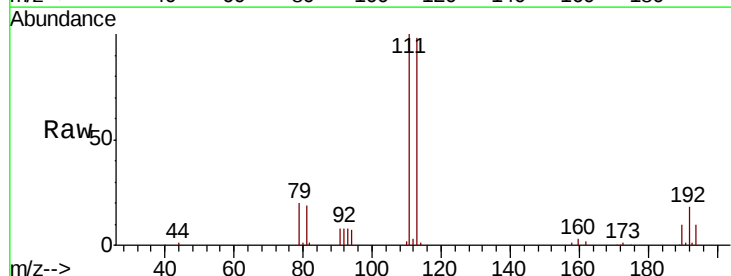
Instrument :
MSVOA_N
ClientSampleId :
VN1211MBL01

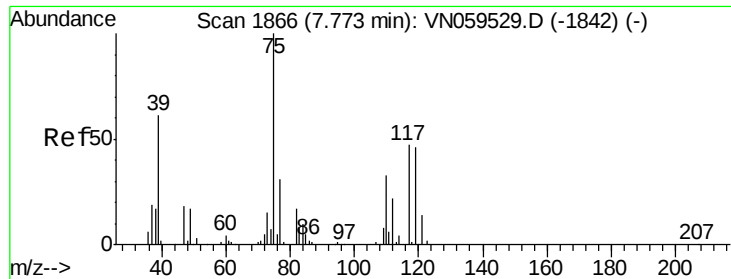
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.0
88	16.4	0.0	32.2



#35
Dibromofluoromethane
Concen: 52.886 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	18.7	14.8	22.2

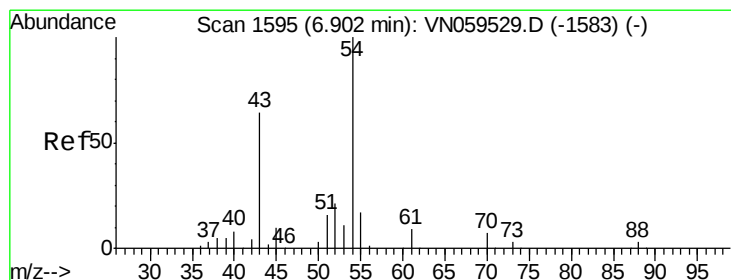
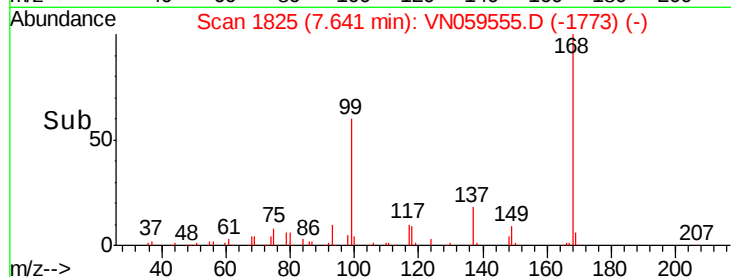
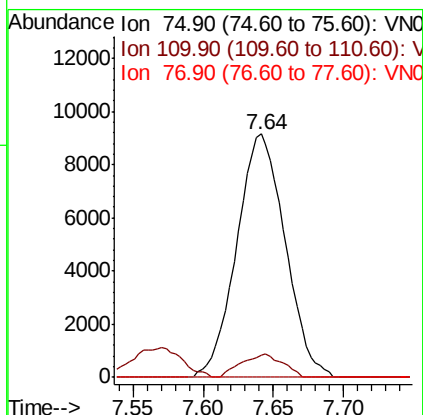
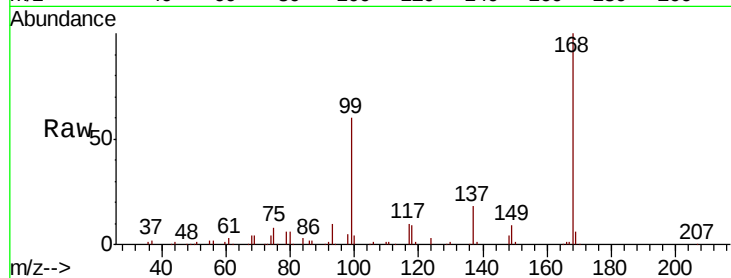




#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059555.D
 Acq: 11 Dec 2019 12:08

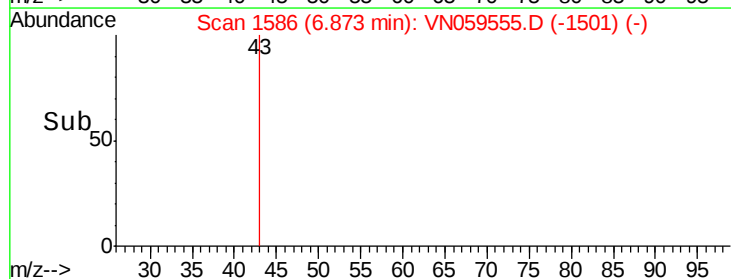
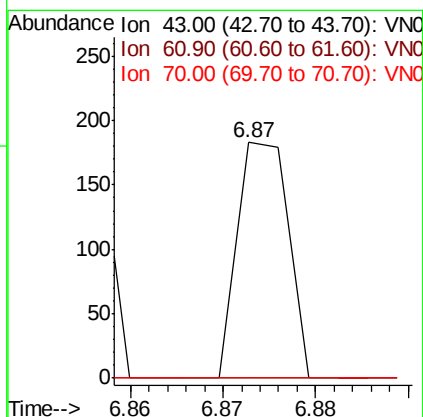
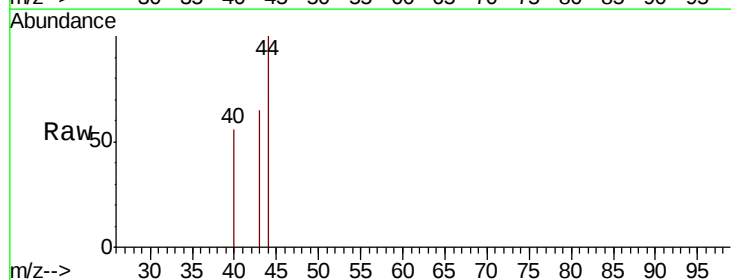
Instrument :
 MSVOA_N
 ClientSampled :
 VN1211MBL01

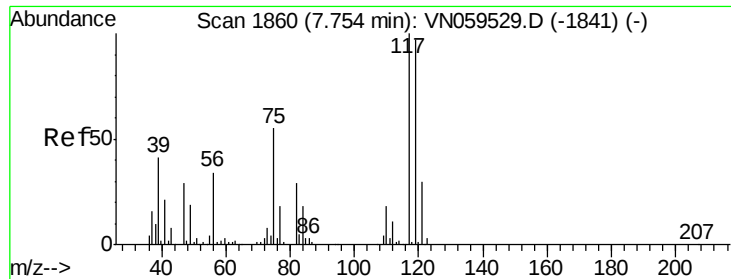
Tot Ion	75	Resp	21971
Ion Ratio	Lower	Upper	
75	100		
110	8.2	16.7	50.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 1.551 ug/l
 RT: 6.87 min Scan# 1586
 Delta R.T. -0.03 min
 Lab File: VN059555.D
 Acq: 11 Dec 2019 12:08

Tgt Ion	43	Resp	70
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.0	16.6#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 6.186 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

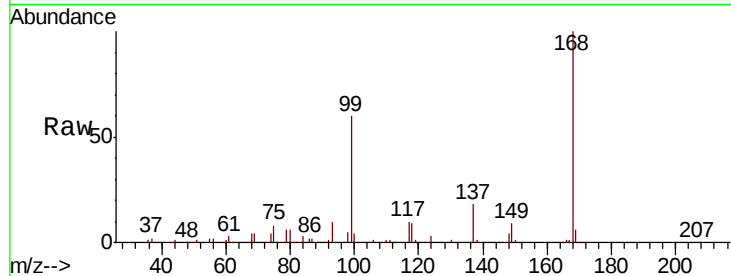
Tot Ion:117 Resp: 25782

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.4#

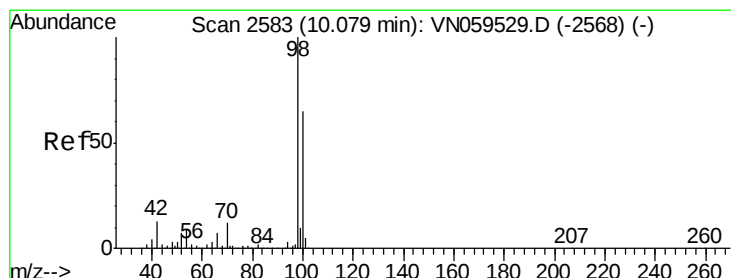
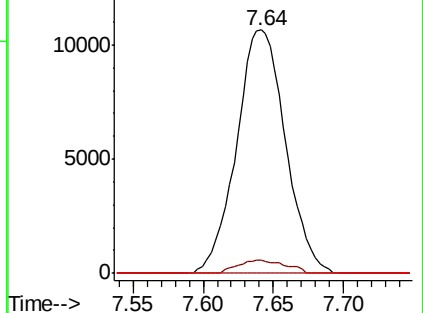
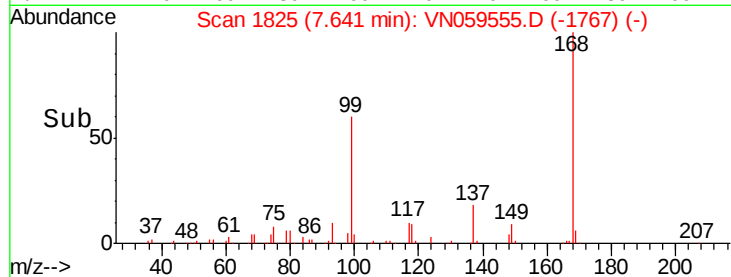
121 0.0 24.1 36.1#



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: 50.617 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059555.D

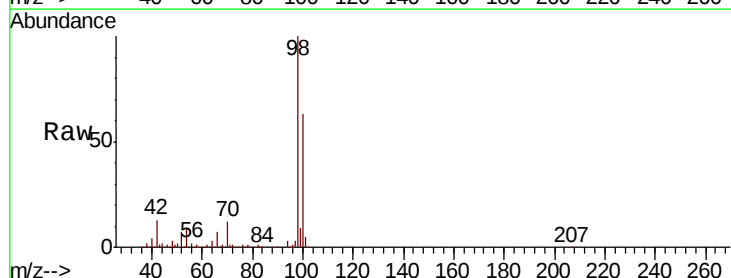
Acq: 11 Dec 2019 12:08

Tgt Ion: 98 Resp: 508238

Ion Ratio Lower Upper

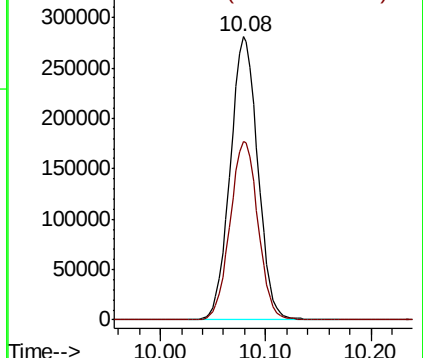
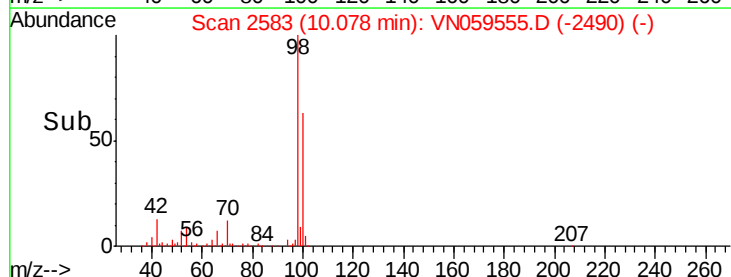
98 100

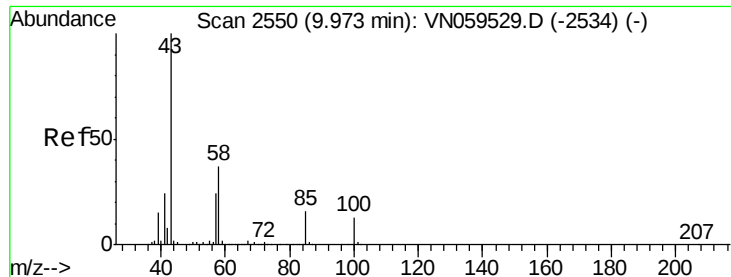
100 63.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

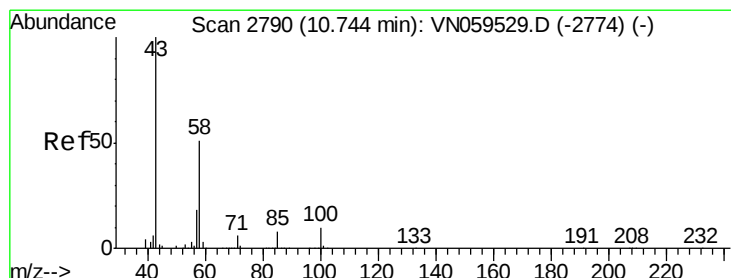
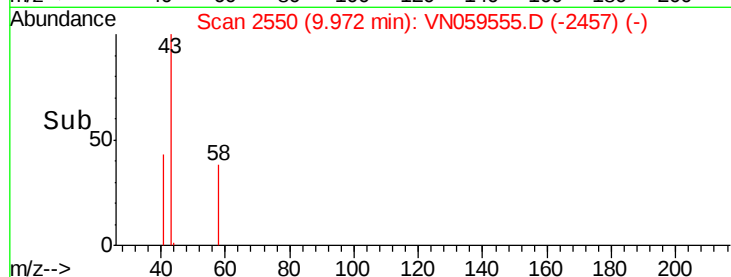
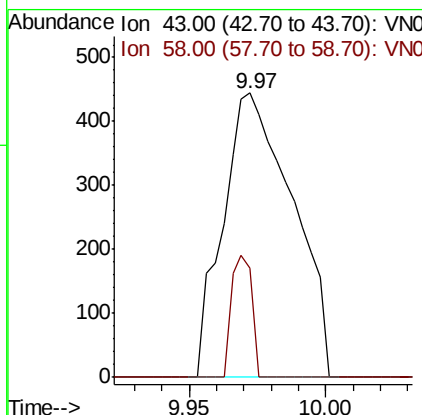
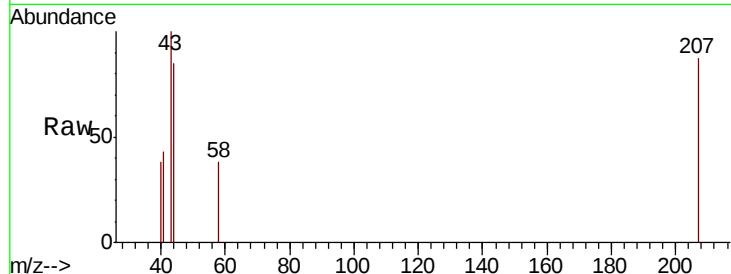




#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

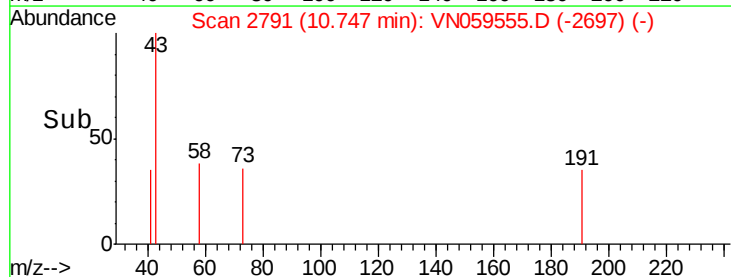
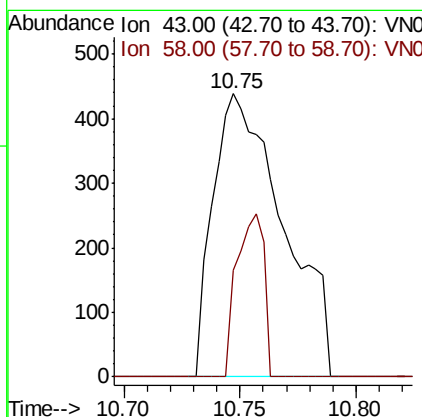
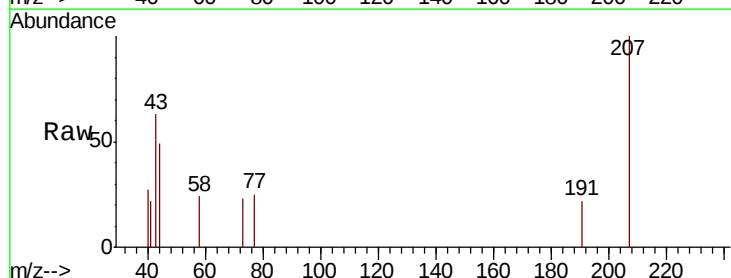
Instrument :
MSVOA_N
ClientSampleId :
VN1211MBL01

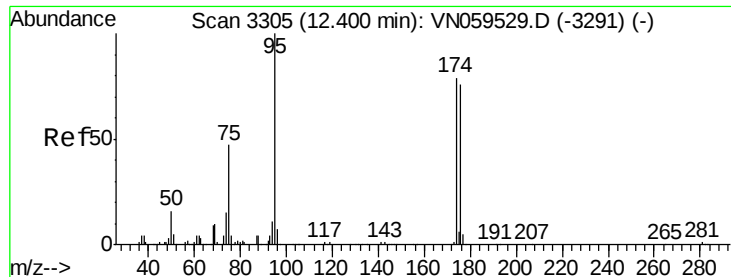
Tot Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 0.0 30.1 45.1#



#59
2-Hexanone
Concen: 2.473 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059555.D
Acq: 11 Dec 2019 12:08

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
58 22.1 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 42.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

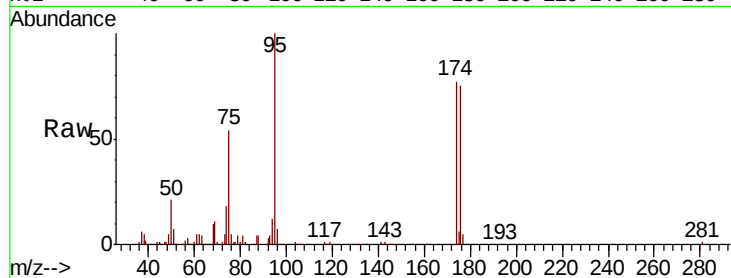
Tot Ion: 95 Resp: 159628

Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.0

176 73.6 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN059529.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059529.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059529.D (-3291) (-)

120000

100000

80000

60000

40000

20000

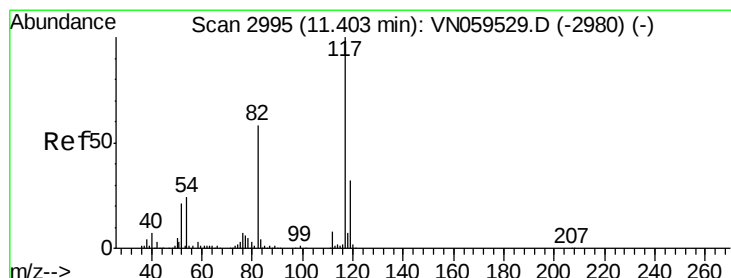
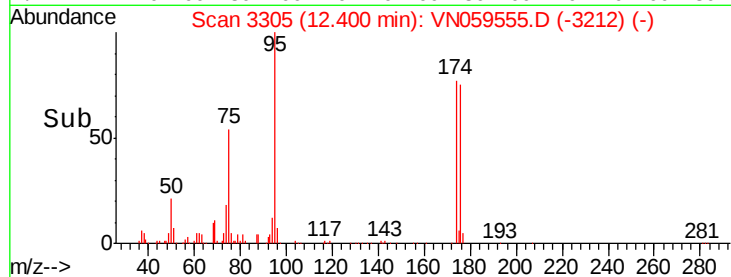
0

12.30

12.40

12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

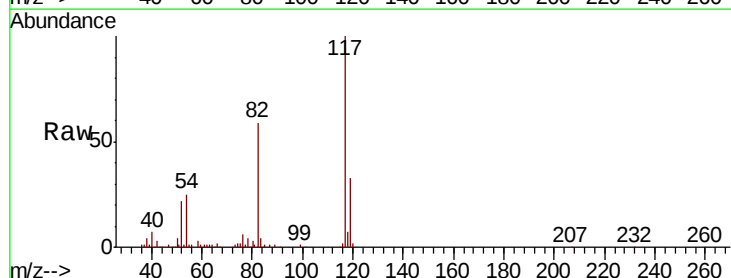
Tgt Ion: 117 Resp: 357590

Ion Ratio Lower Upper

117 100

82 58.7 46.5 69.7

119 32.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN059529.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059529.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059529.D (-2980) (-)

250000

200000

150000

100000

50000

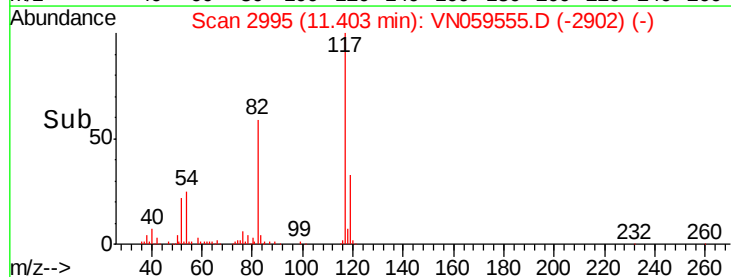
0

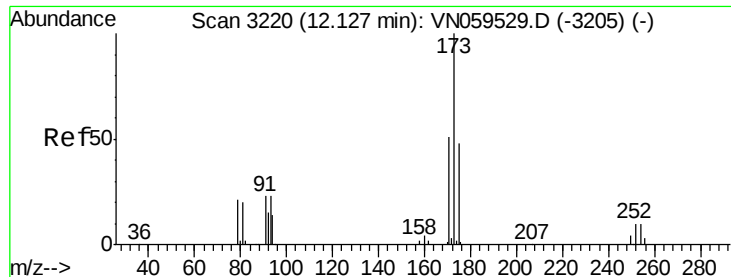
11.30

11.40

11.50

Time-->





#71

Bromoform

Concen: 0.239 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

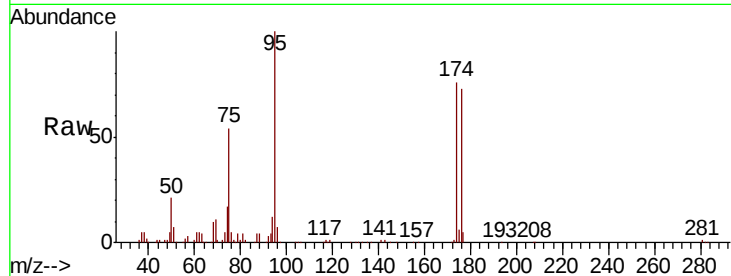
Tot Ion:173 Resp: 525

Ion Ratio Lower Upper

173 100

175 1536.8 24.1 72.4#

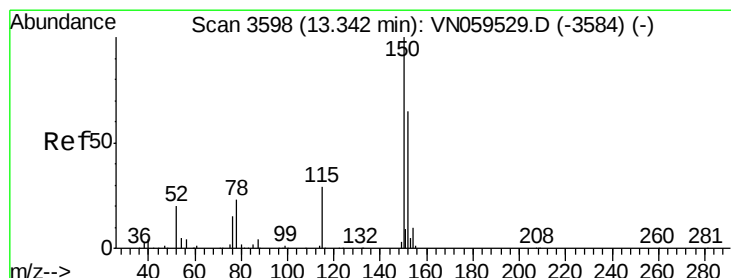
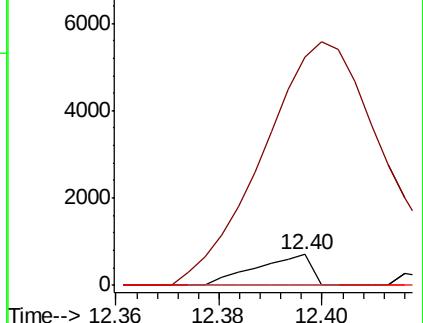
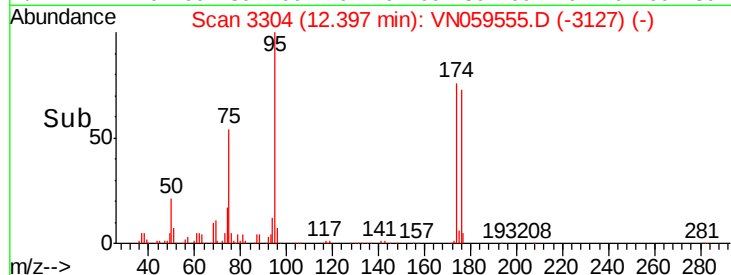
254 0.0 0.0 0.0



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: VN059555.D

Acq: 11 Dec 2019 12:08

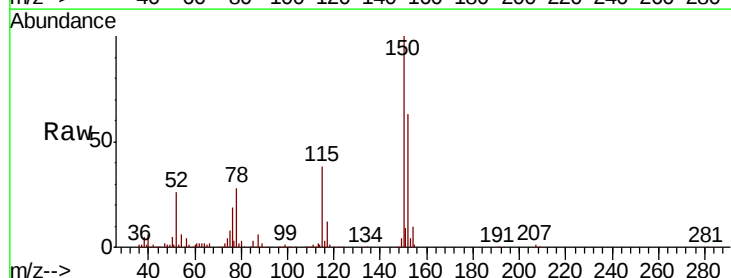
Tgt Ion:152 Resp: 133245

Ion Ratio Lower Upper

152 100

115 61.5 29.4 88.2

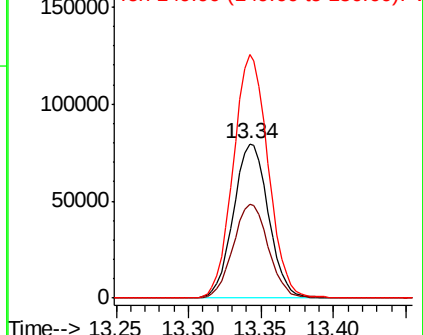
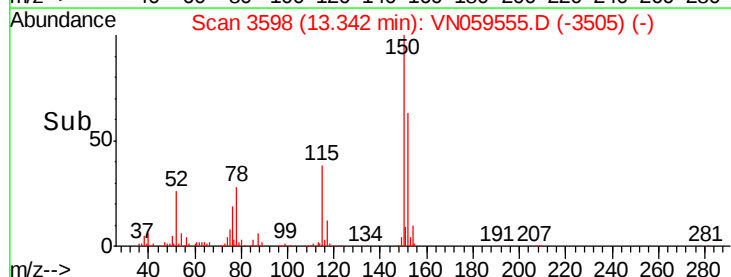
150 157.3 0.0 342.4

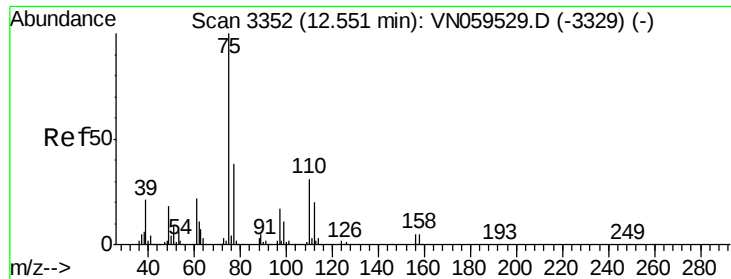


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.932 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

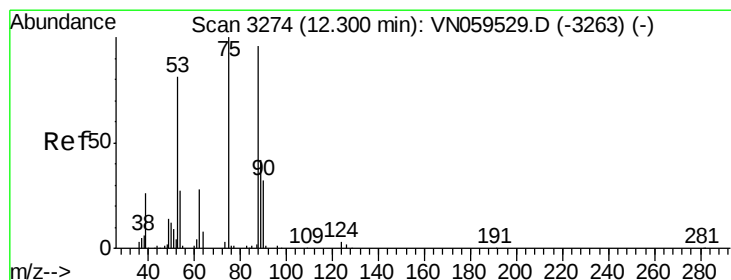
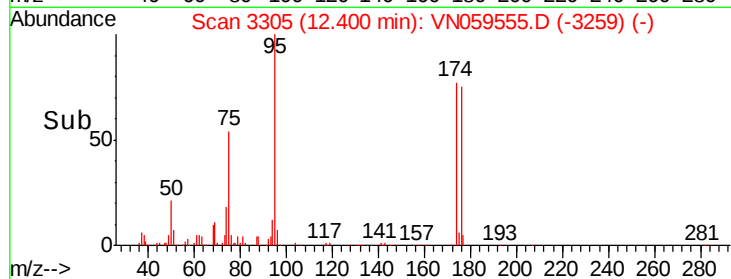
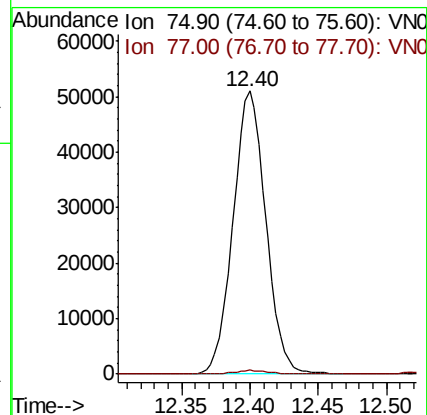
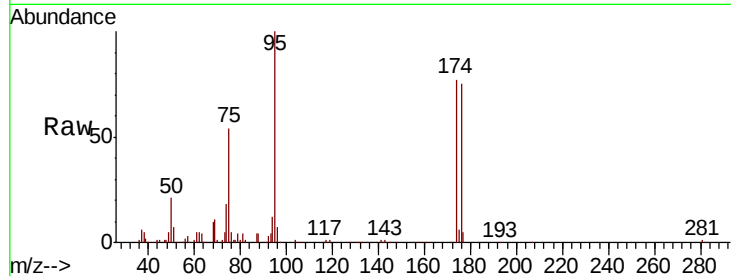
VN1211MBL01

Tot Ion: 75 Resp: 84954

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.080 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

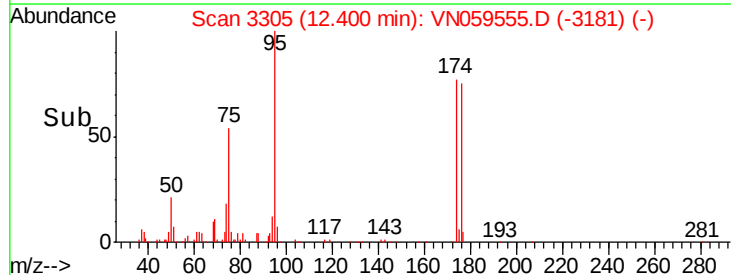
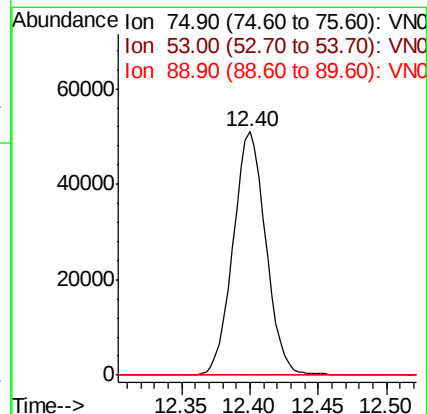
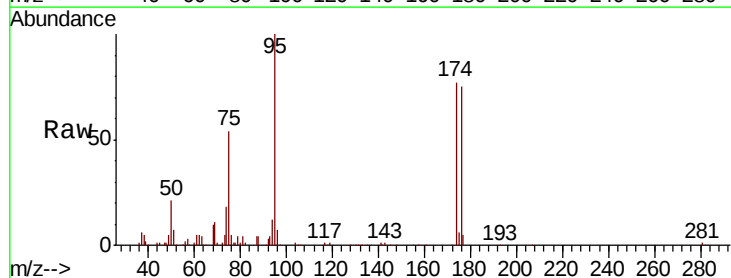
Tgt Ion: 75 Resp: 84954

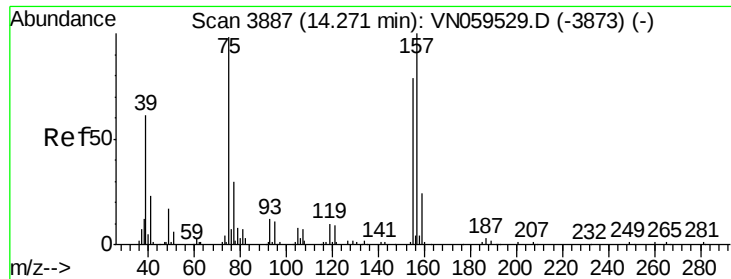
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.0 35.5 53.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.356 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

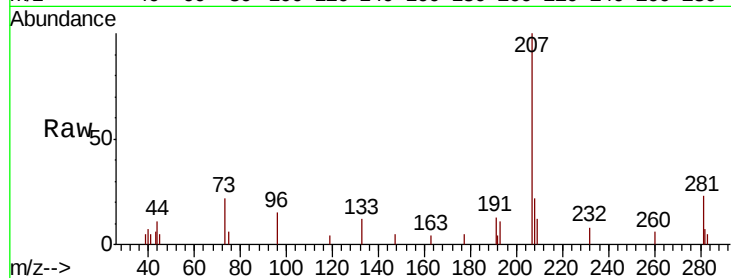
Tot Ion: 75 Resp: 223

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

157 0.0 51.1 153.3#

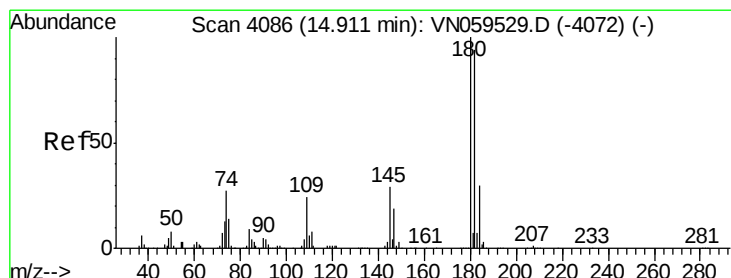
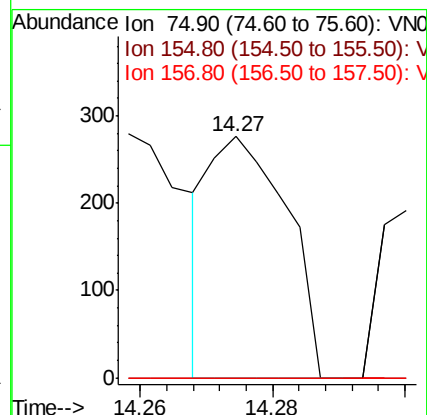
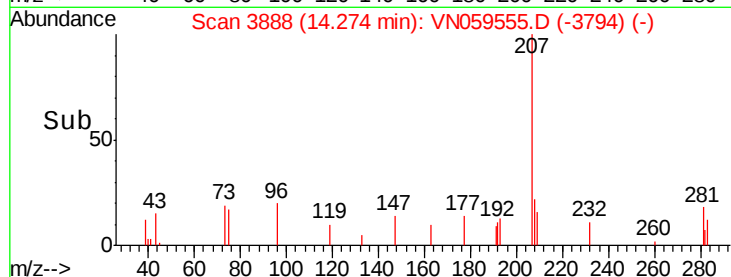


Abundance Ion 74.90 (74.60 to 75.60): VN059555.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN059555.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN059555.D (-3873) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.451 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

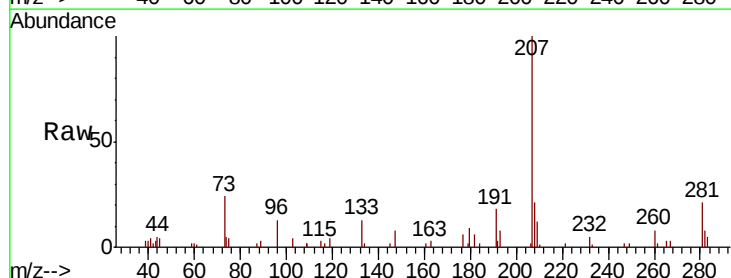
Tgt Ion: 180 Resp: 1341

Ion Ratio Lower Upper

180 100

182 74.6 47.3 142.0

145 23.0 14.9 44.7

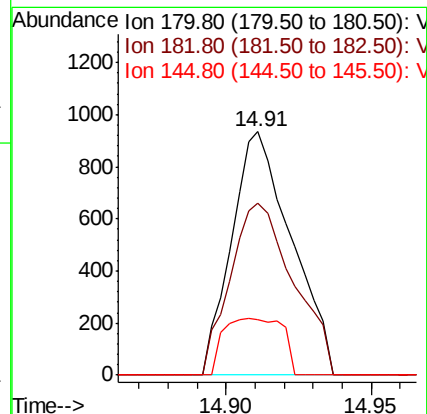
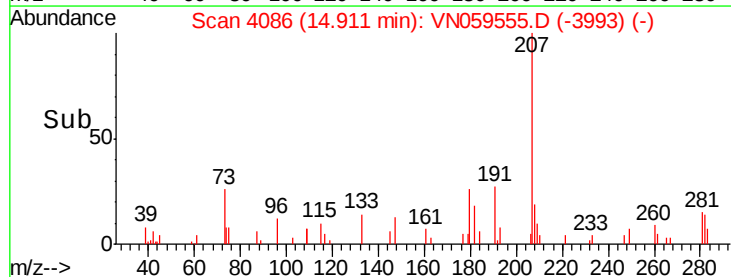


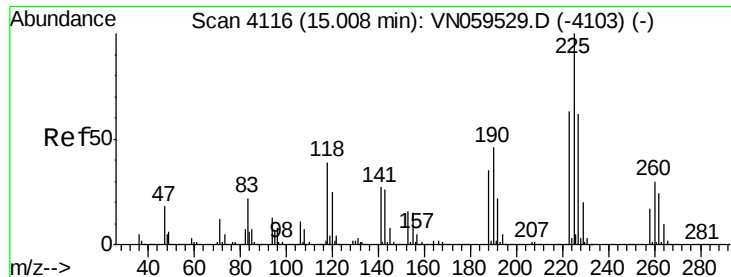
Abundance Ion 179.80 (179.50 to 180.50): VN059555.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059555.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059555.D (-4072) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.349 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBL01

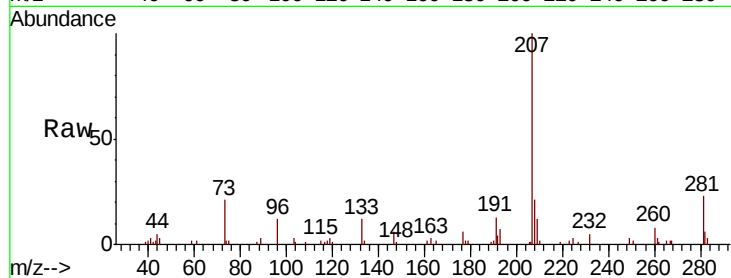
Tot Ion:225 Resp: 531

Ion Ratio Lower Upper

225 100

223 40.3 31.3 93.9

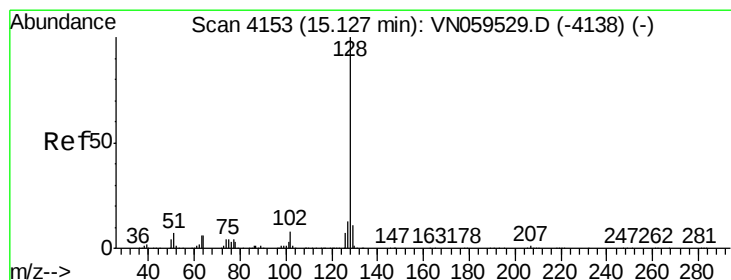
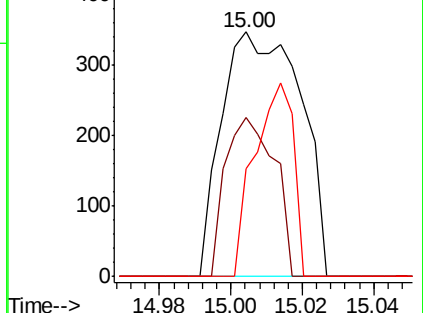
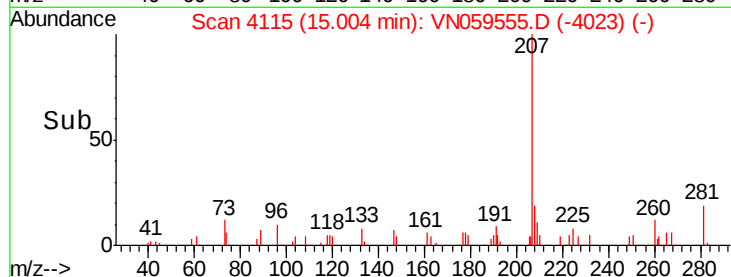
227 38.8 31.6 95.0



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: 0.585 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

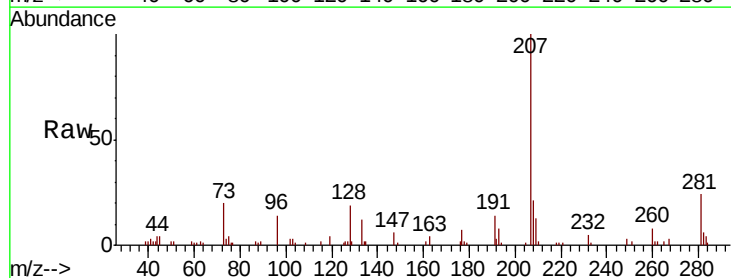
Tgt Ion:128 Resp: 5087

Ion Ratio Lower Upper

128 100

127 9.2 10.2 15.4#

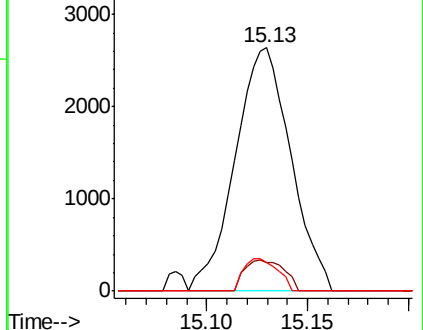
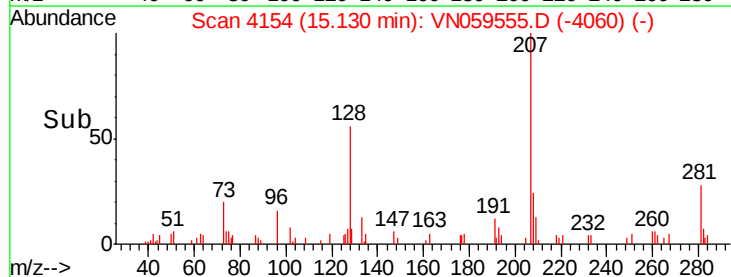
129 8.1 8.6 13.0#

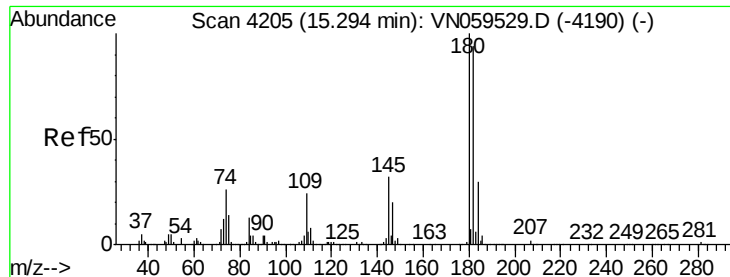


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.021 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.01 min
 Lab File: VN059555.D
 Acq: 11 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.8	47.1	141.4
145	29.1	15.8	47.4

