

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058190.D
 Acq On : 19 Sep 2019 9:28
 Operator : JC/SP
 Sample : VN0919MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:47:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	520294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	825450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	350722	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.57	113	246778	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.08	98	1019559	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.40	95	329376	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

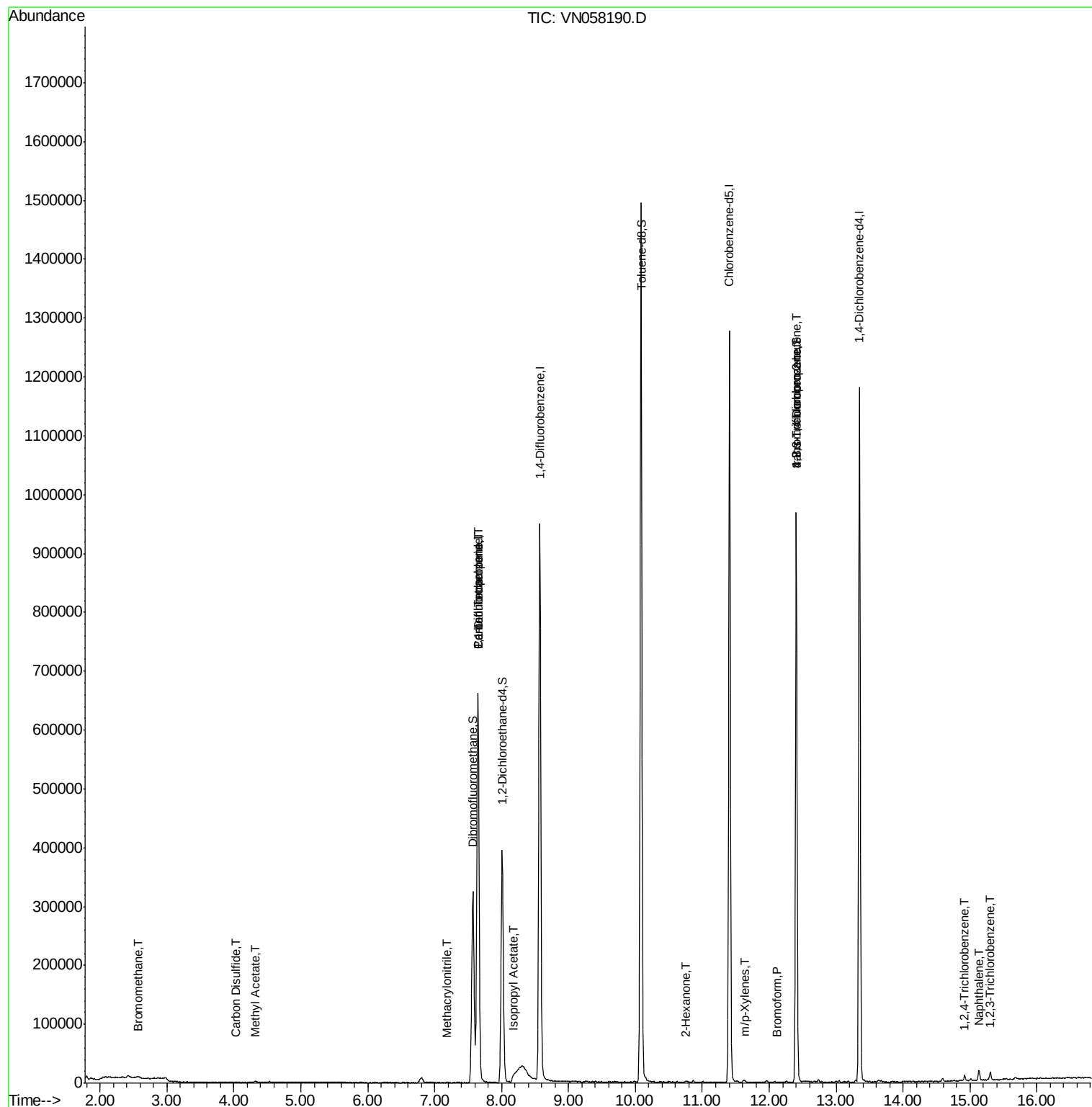
					Qvalue	
3) Chloromethane	2.04	50	528	Below Cal	#	76
5) Bromomethane	2.56	94	734	1.102 ug/l	#	77
6) Chloroethane	2.63	64	118	Below Cal	#	44
17) Carbon Disulfide	4.02	76	759	0.439 ug/l	#	74
18) Methyl Acetate	4.32	43	2951	0.456 ug/l	#	63
20) Methylene Chloride	4.52	84	266	Below Cal	#	60
31) Cyclohexane	7.64	56	13012	Below Cal	#	6
36) 1,1-Dichloropropene	7.65	75	43792	7.357 ug/l	#	51
38) Carbon Tetrachloride	7.65	117	53037	8.863 ug/l	#	15
41) Methacrylonitrile	7.18	41	59	0.930 ug/l	#	100
43) Isopropyl Acetate	8.17	43	5726	0.496 ug/l	#	57
59) 2-Hexanone	10.75	43	997	0.219 ug/l		86
68) m/p-Xylenes	11.63	106	1705	0.214 ug/l		78
71) Bromoform	12.12	173	66	3.614 ug/l	#	29
76) 1,2,3-Trichloropropane	12.40	75	177914	33.650 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177914	94.353 ug/l	#	5
93) 1,2,4-Trichlorobenzene	14.92	180	3273	0.601 ug/l	#	85
95) Naphthalene	15.14	128	14816	1.050 ug/l		97
96) 1,2,3-Trichlorobenzene	15.30	180	4045	0.786 ug/l		96

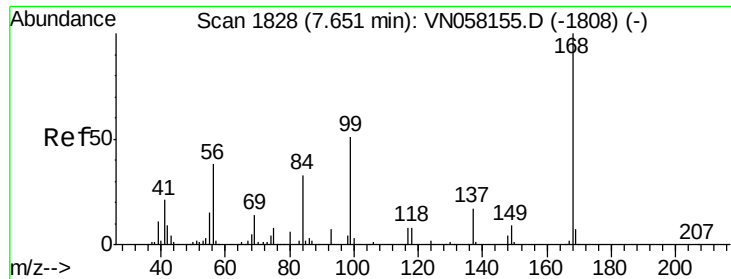
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

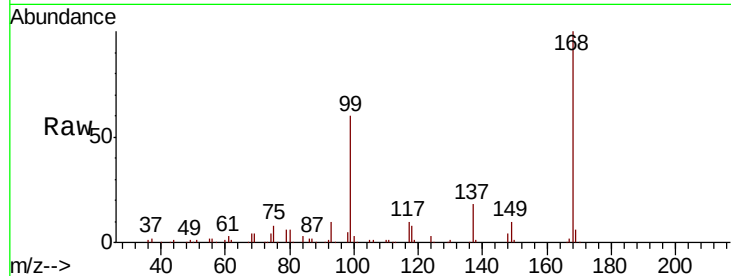
ClientSampleId :

Tot Ion:168 Resp: 520294

Ion Ratio Lower Upper

168 100

99 60.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

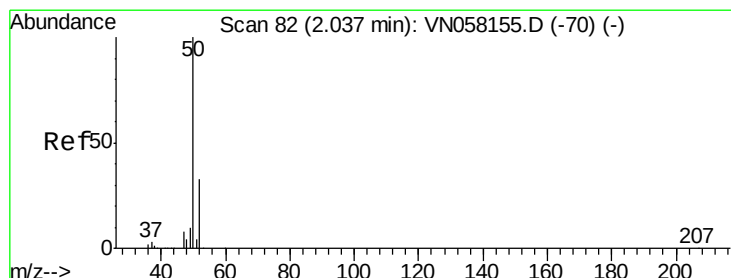
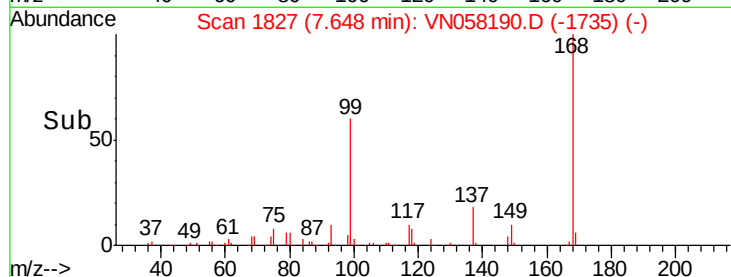
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058190.D

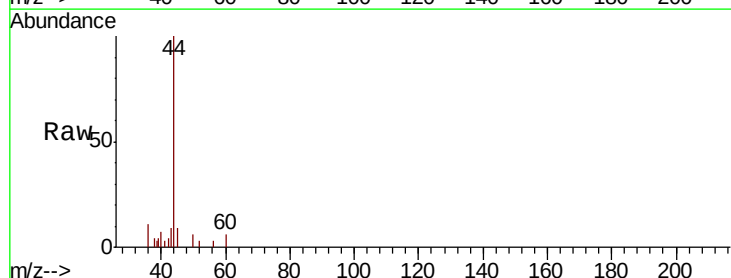
Acq: 19 Sep 2019 9:28

Tgt Ion: 50 Resp: 528

Ion Ratio Lower Upper

50 100

52 46.6 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

400

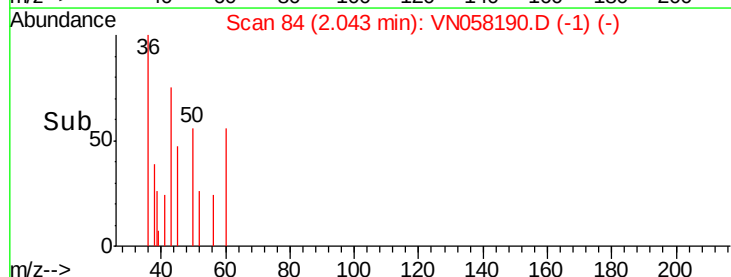
300

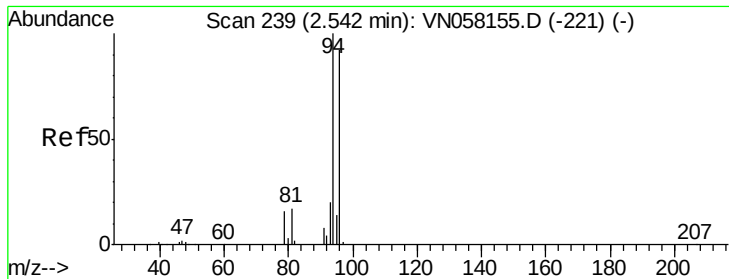
200

100

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 1.102 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

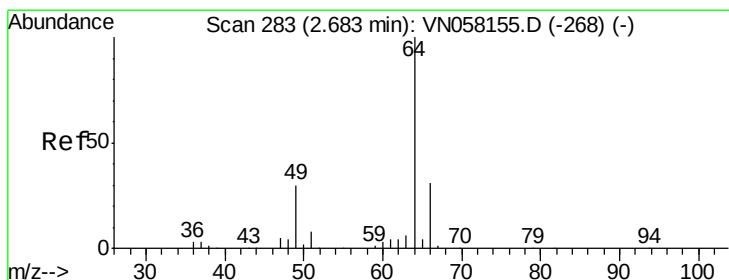
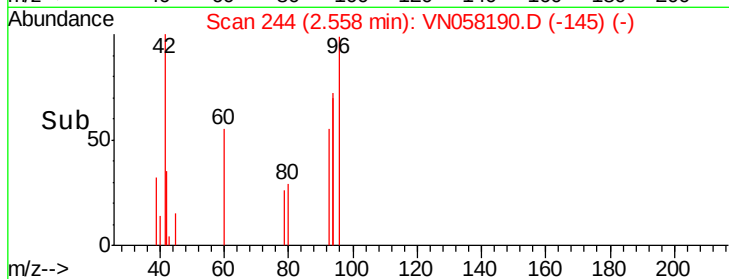
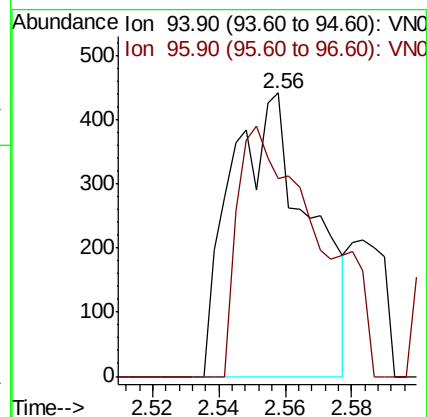
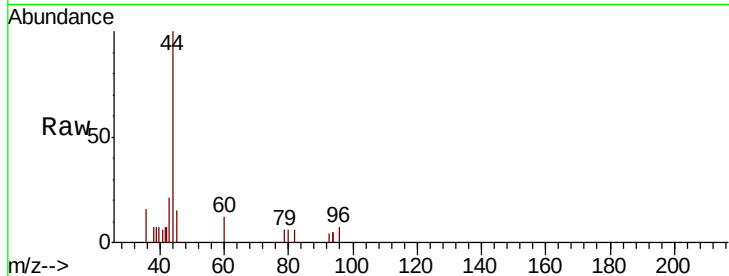
ClientSampled :

Tot Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 69.6 73.3 109.9#



#6

Chloroethane

Concen: Below Cal

RT: 2.63 min Scan# 265

Delta R.T. -0.06 min

Lab File: VN058190.D

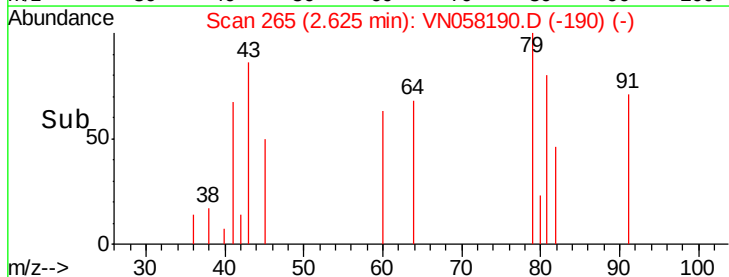
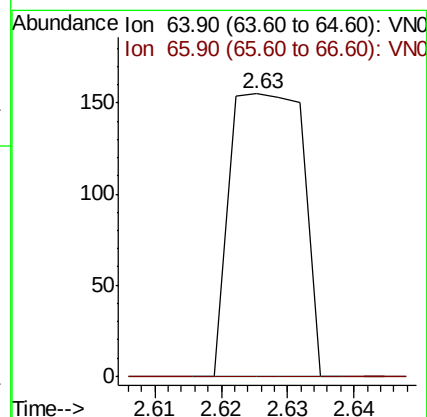
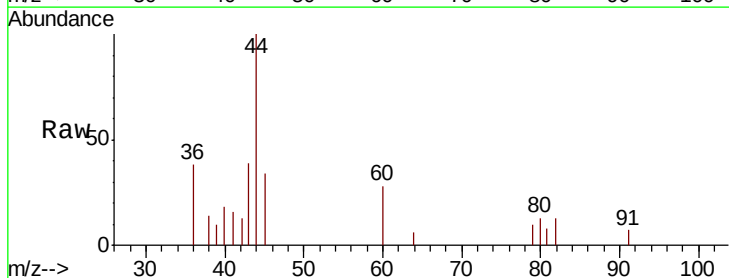
Acq: 19 Sep 2019 9:28

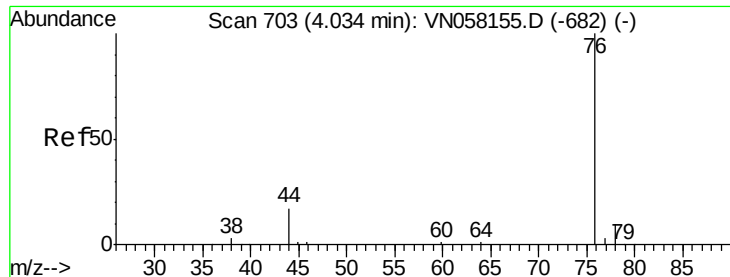
Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#





#17

Carbon Disulfide

Concen: 0.439 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

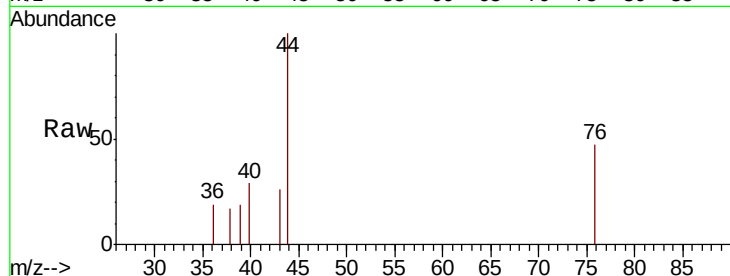
ClientSampled :

Tot Ion: 76 Resp: 759

Ion Ratio Lower Upper

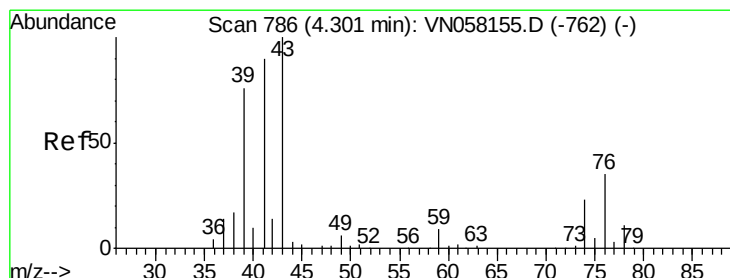
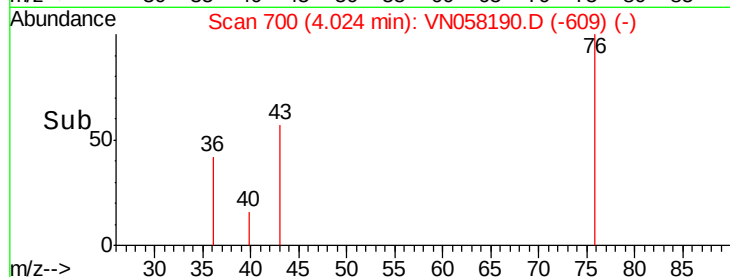
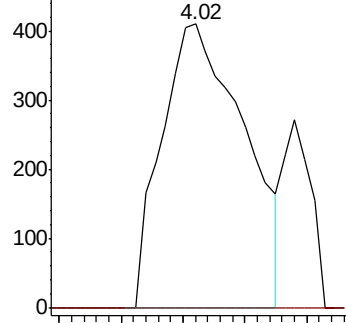
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.456 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058190.D

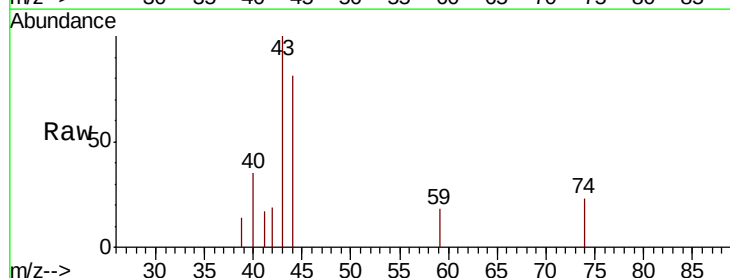
Acq: 19 Sep 2019 9:28

Tgt Ion: 43 Resp: 2951

Ion Ratio Lower Upper

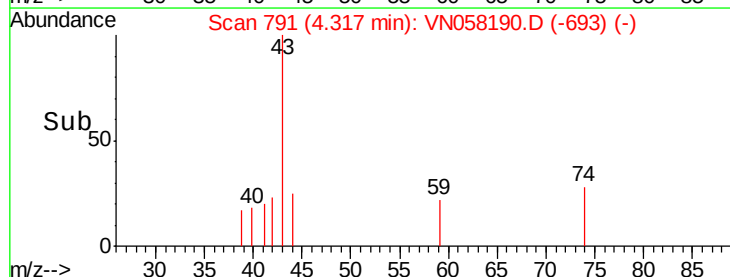
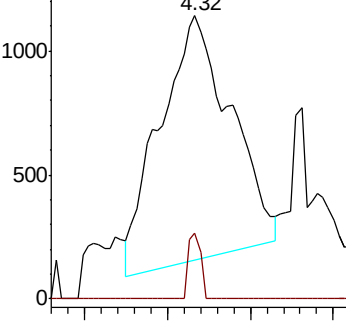
43 100

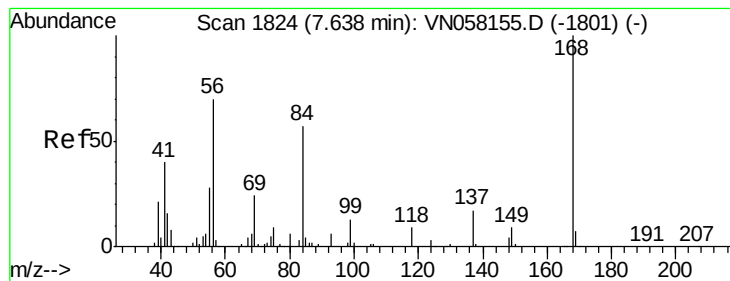
74 4.5 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#31

Cyclohexane

Concen: Below Cal

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampled :

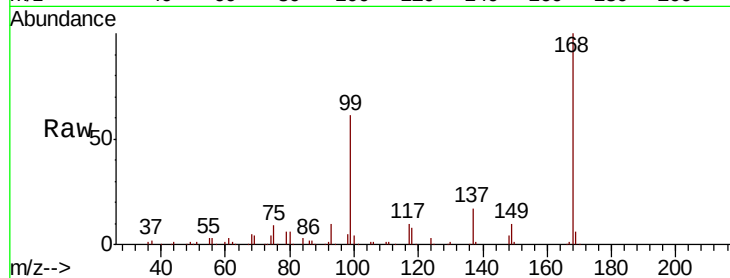
Tot Ion: 56 Resp: 13012

Ion Ratio Lower Upper

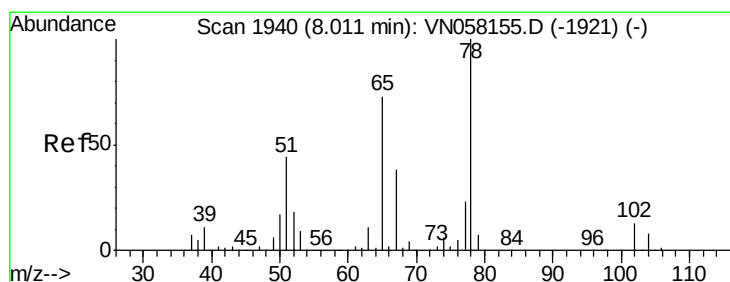
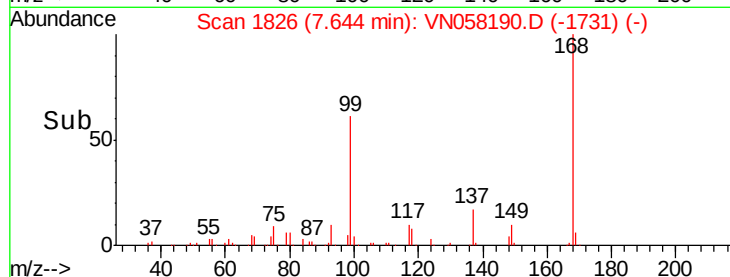
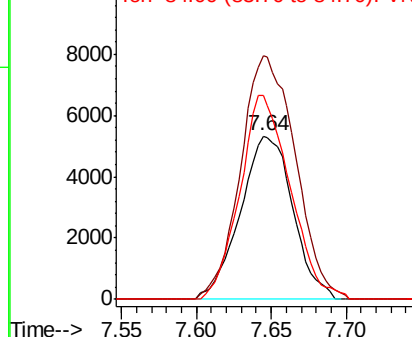
56 100

69 149.2 27.3 40.9#

84 124.7 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 48.398 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058190.D

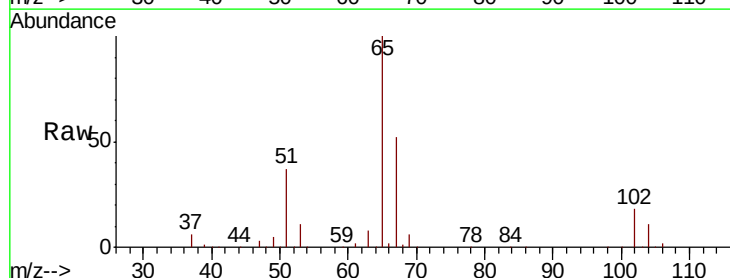
Acq: 19 Sep 2019 9:28

Tgt Ion: 65 Resp: 350722

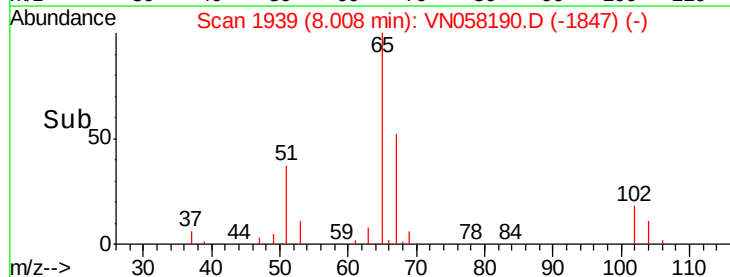
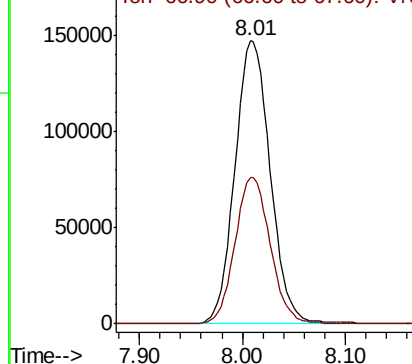
Ion Ratio Lower Upper

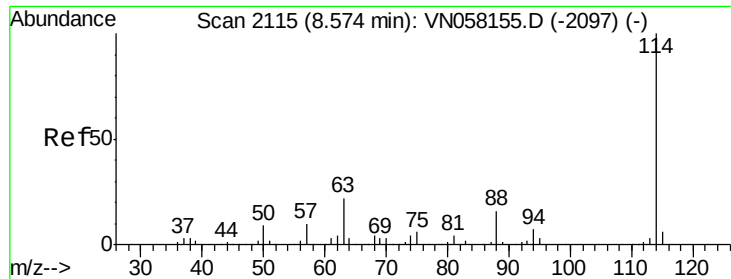
65 100

67 52.0 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

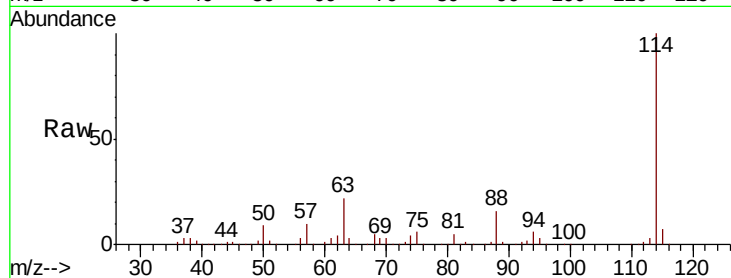




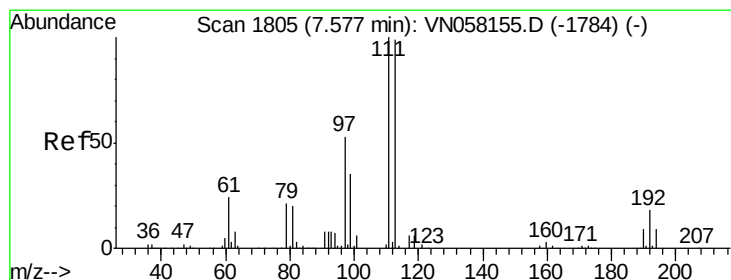
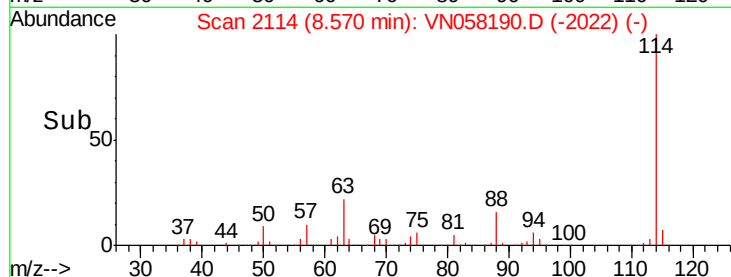
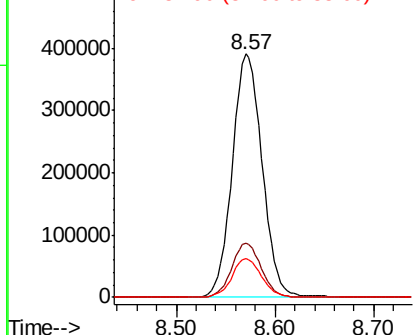
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058190.D
 Acq: 19 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 825450
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 15.8 0.0 31.6

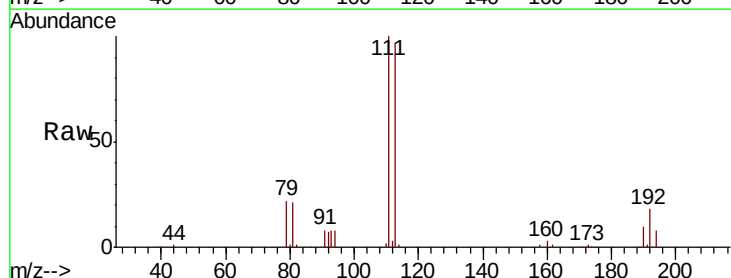


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

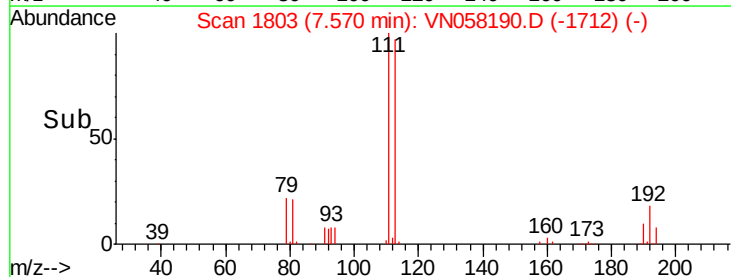
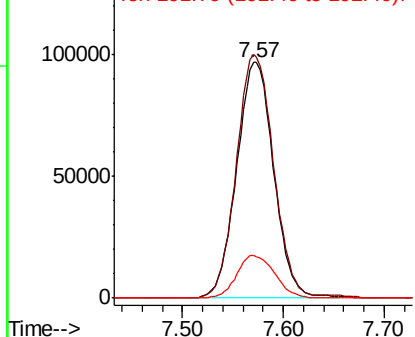


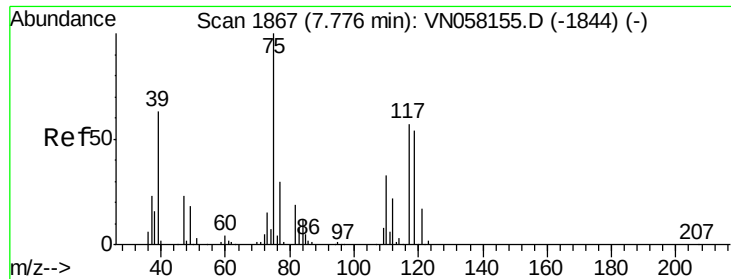
#35
 Dibromofluoromethane
 Concen: 49.178 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058190.D
 Acq: 19 Sep 2019 9:28

Tgt Ion:113 Resp: 246778
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 18.5 14.5 21.7



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

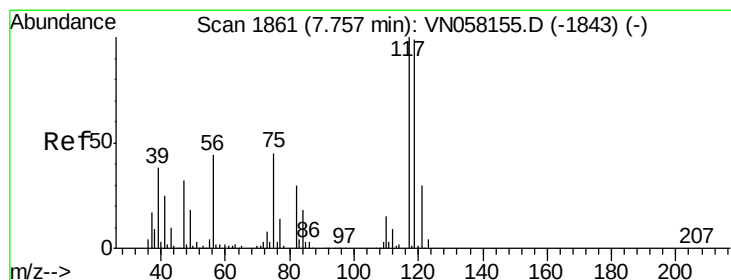
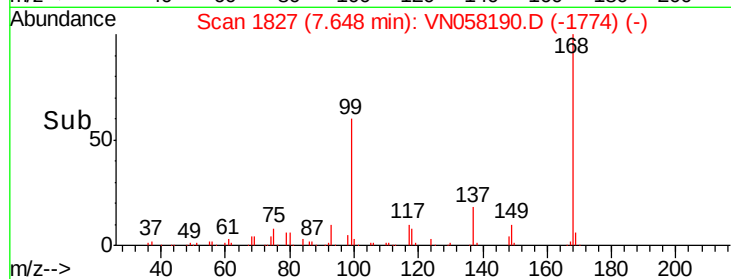
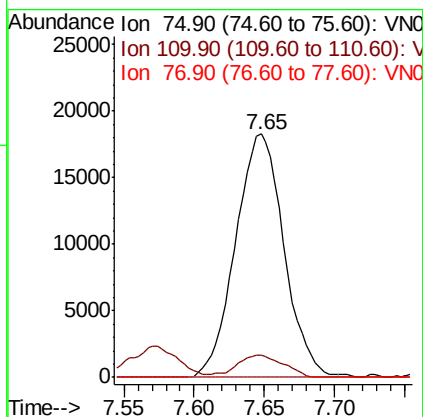
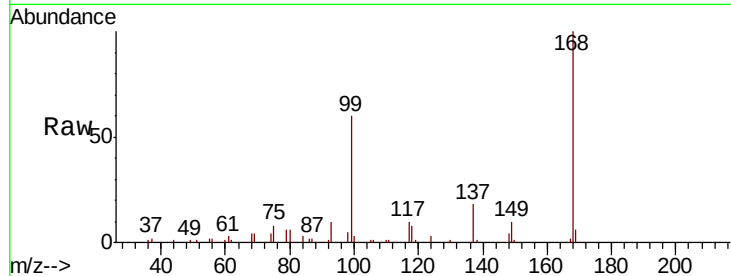




#36
 1,1-Dichloropropene
 Concen: 7.357 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058190.D
 Acq: 19 Sep 2019 9:28

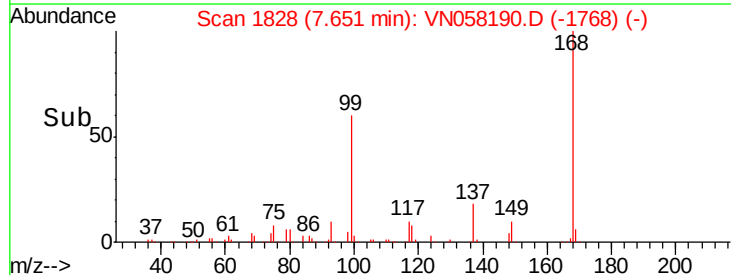
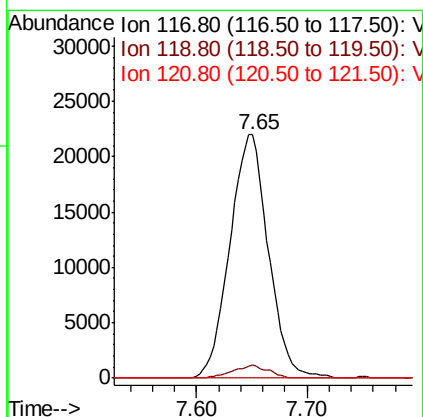
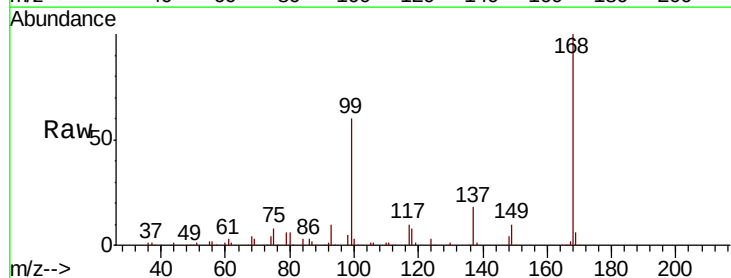
Instrument :
 MSVOA_N
 ClientSampled :

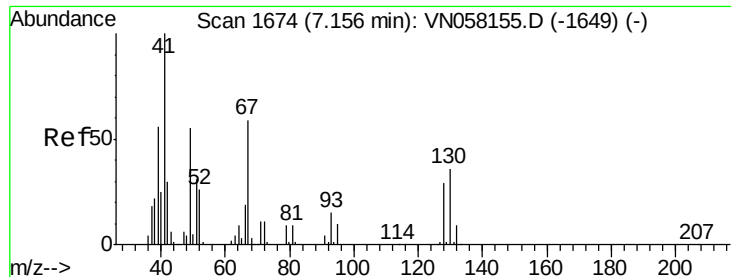
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.863 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058190.D
 Acq: 19 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.6	117.8#
121	0.0	24.1	36.1#

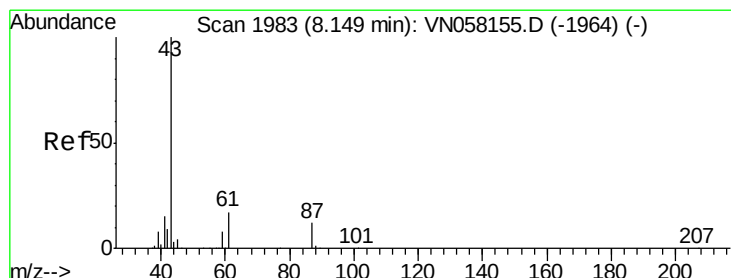
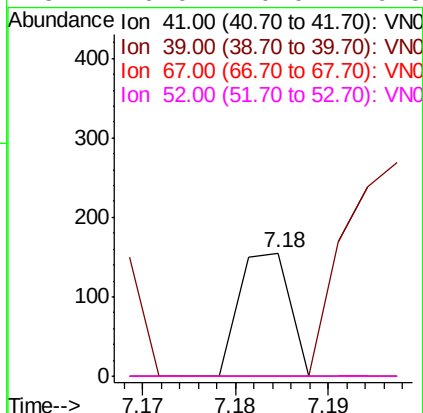
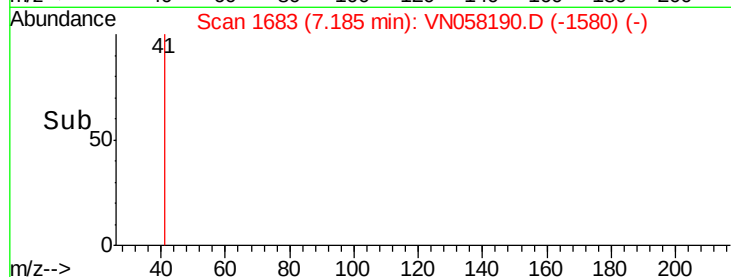
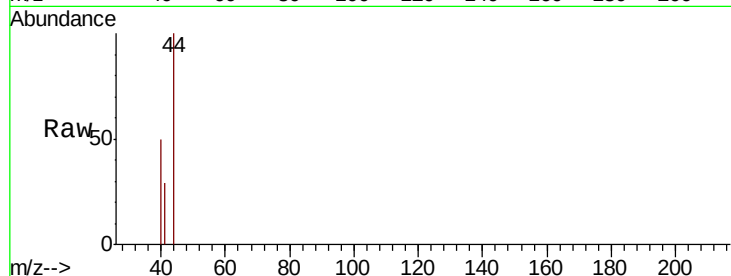




#41
Methacrylonitrile
Concen: 0.930 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

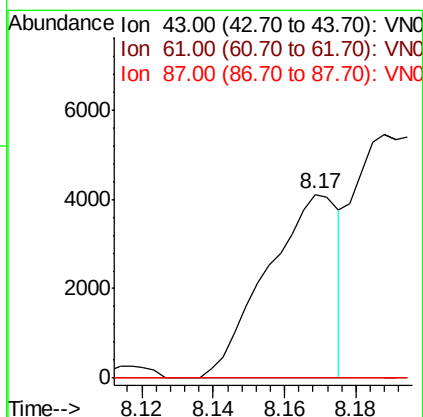
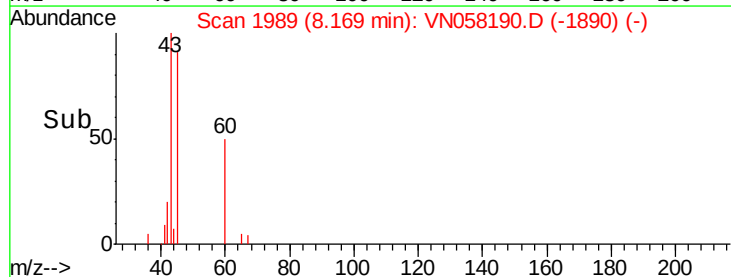
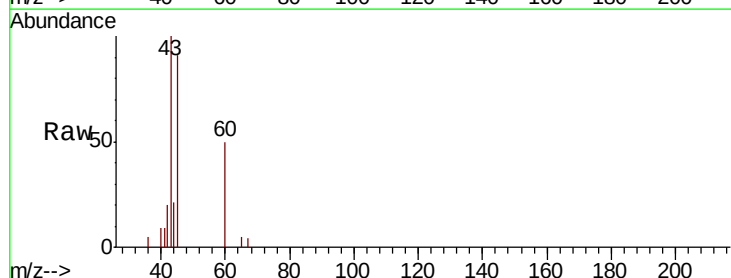
Instrument :
MSVOA_N
ClientSampled :

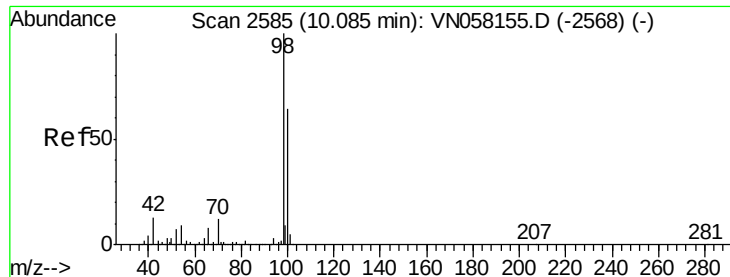
Tot Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	293.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.496 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.02 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

Tgt Ion:	43	Resp:	5726
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

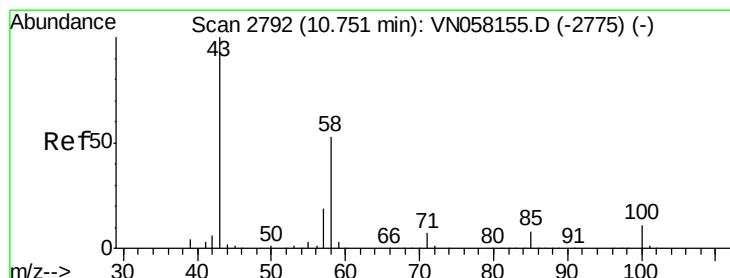
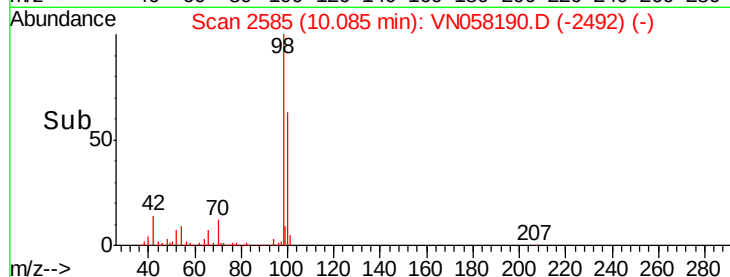
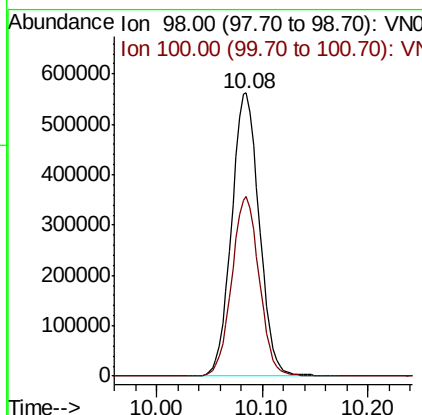
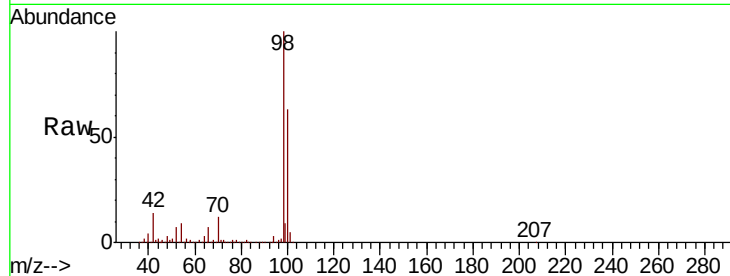




#50
Toluene-d8
Concen: 52.148 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

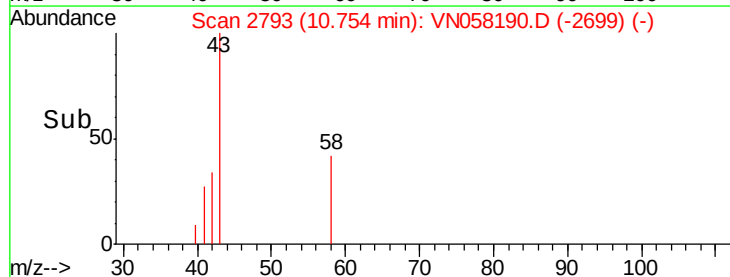
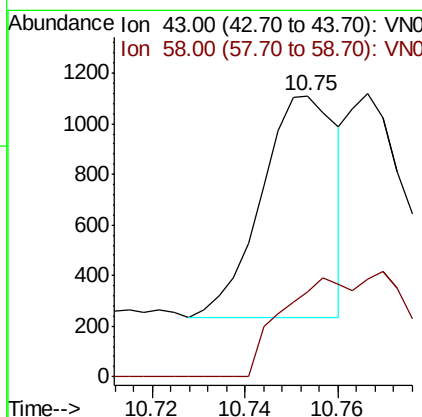
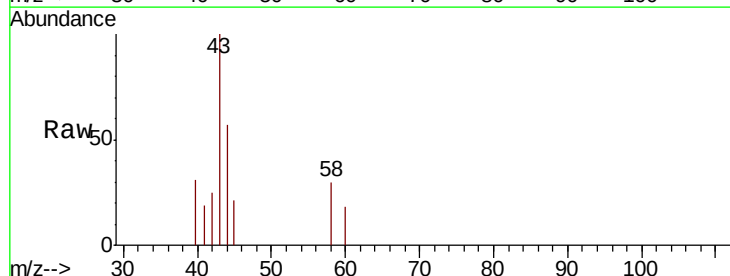
Instrument :
MSVOA_N
ClientSampled :

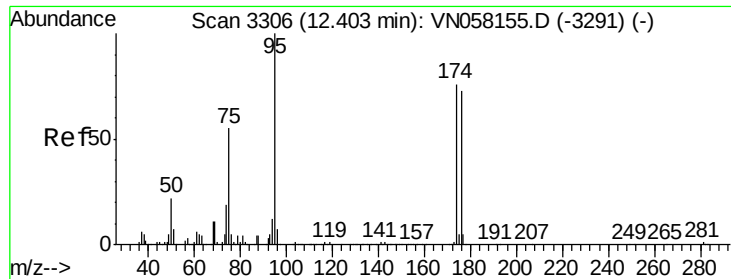
Tot Ion: 98 Resp: 1019559
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7



#59
2-Hexanone
Concen: 0.219 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 42.0 26.0 78.0





#62

4-Bromofluorobenzene

Concen: 45.352 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampled :

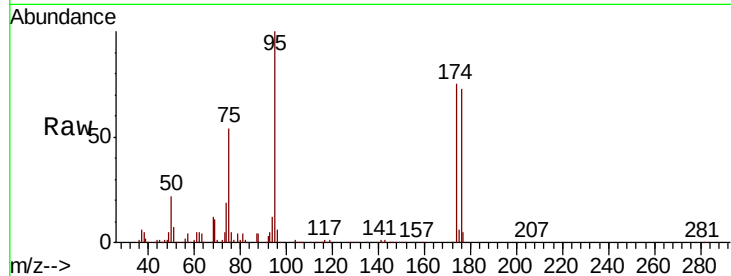
Tot Ion: 95 Resp: 329376

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

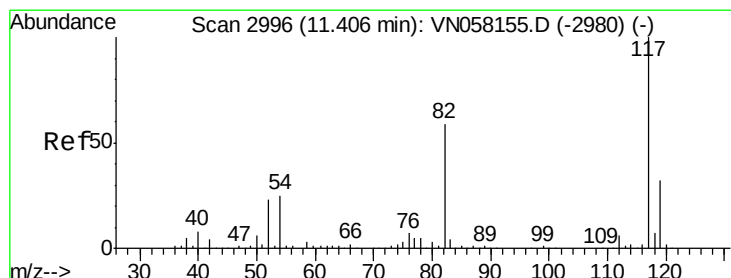
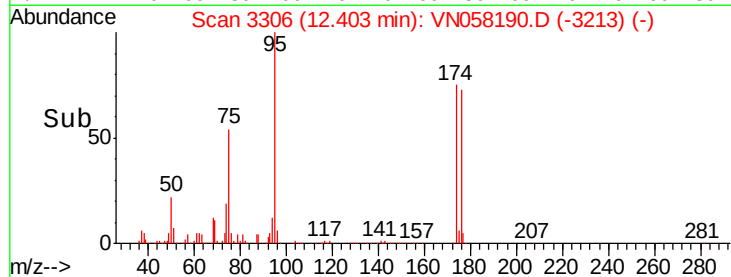
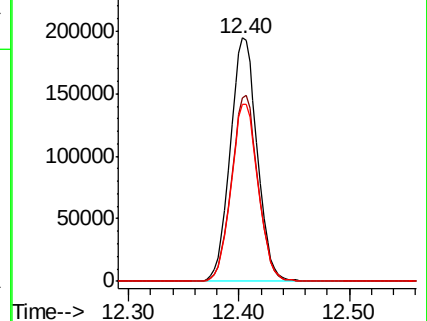
176 73.1 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058190.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN058190.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN058190.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

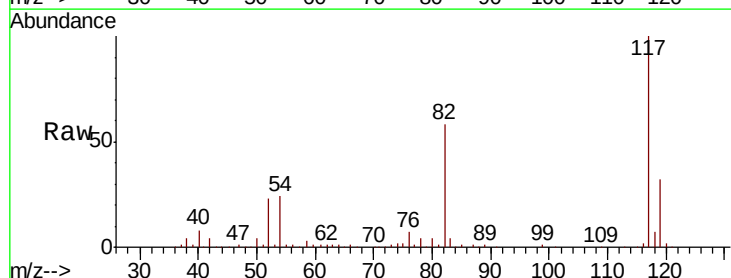
Tgt Ion: 117 Resp: 702722

Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

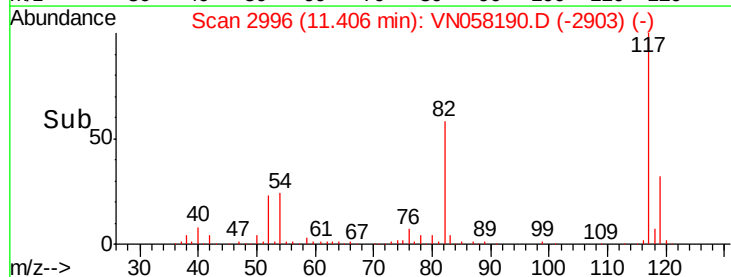
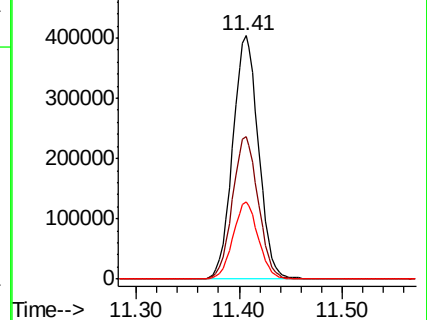
119 31.7 25.3 37.9

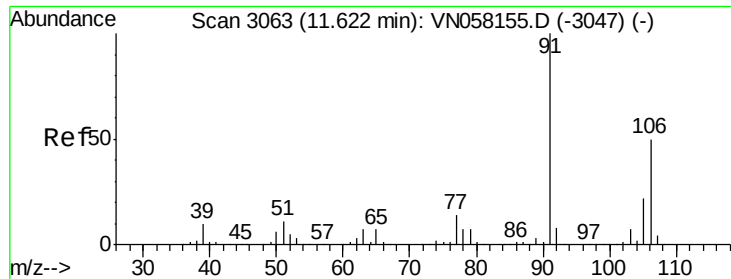


Abundance Ion 116.90 (116.60 to 117.60): VN058190.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058190.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058190.D (-2903) (-)





#68

m/p-Xvlenes

Concen: 0.214 ug/l

RT: 11.63 min Scan# 3067

Delta R.T. 0.01 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

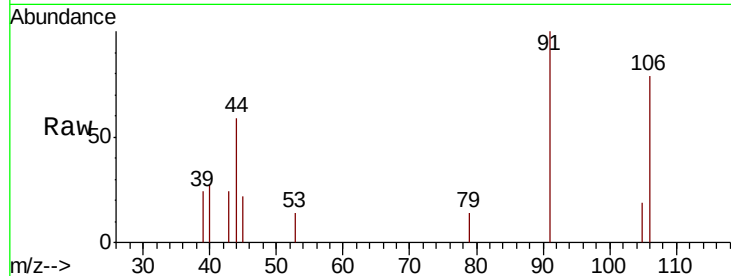
ClientSampled :

Tot Ion:106 Resp: 1705

Ion Ratio Lower Upper

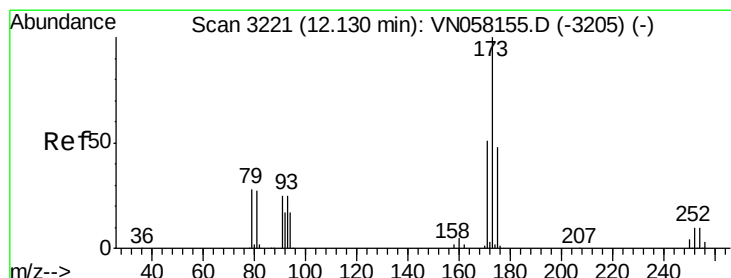
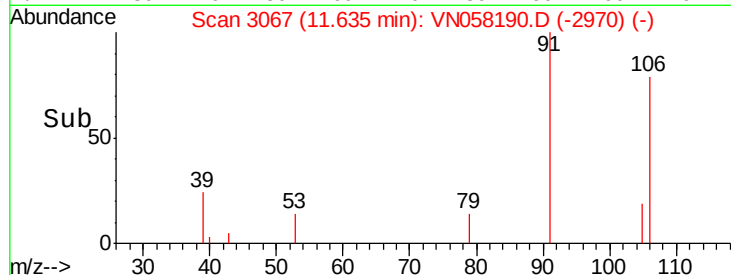
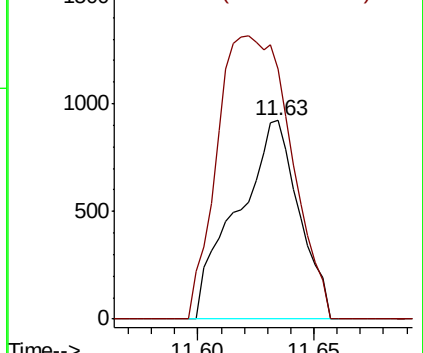
106 100

91 170.1 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 3.614 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.01 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

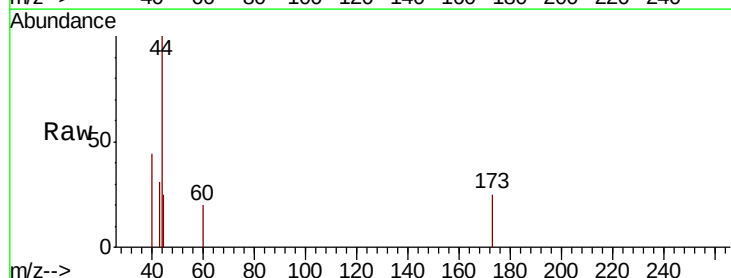
Tgt Ion:173 Resp: 66

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

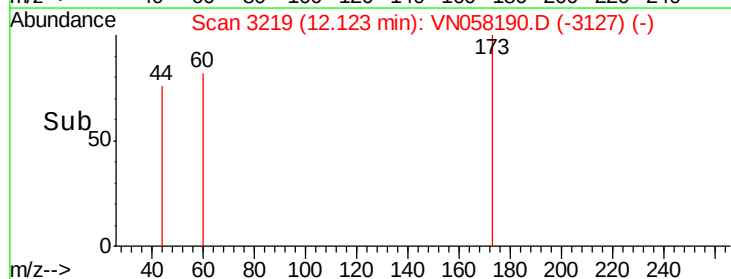
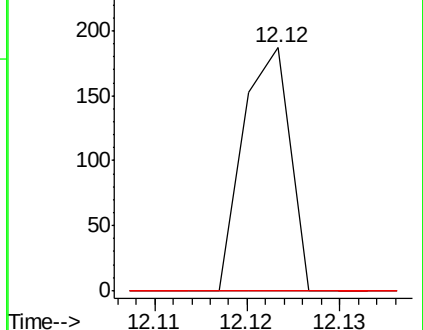
254 0.0 0.1 0.1#

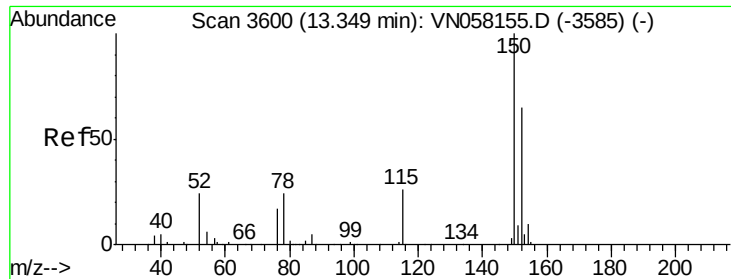


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

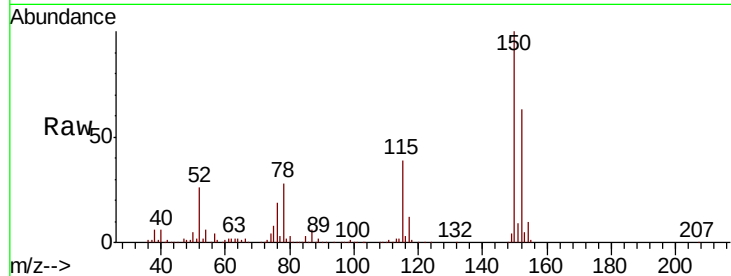
Tot Ion:152 Resp: 295429

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

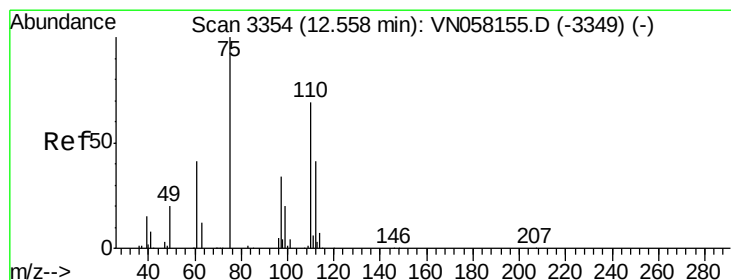
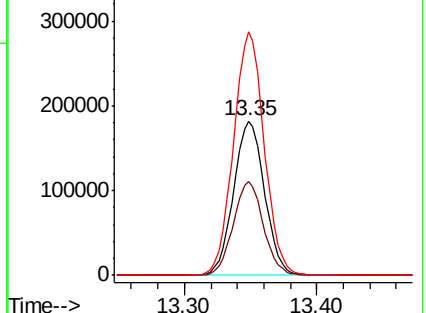
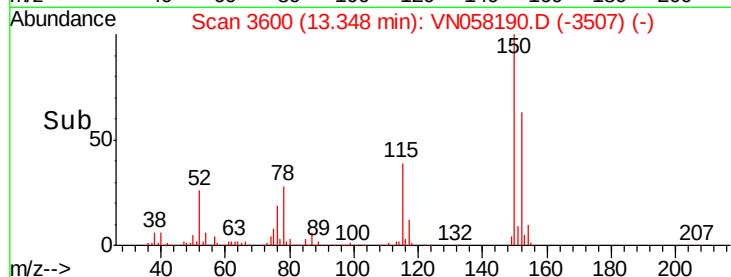
150 156.2 0.0 346.4



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: 33.650 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058190.D

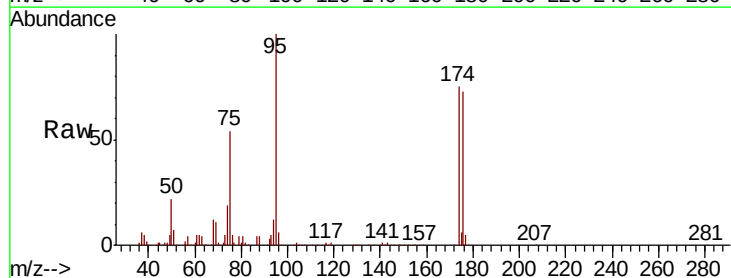
Acq: 19 Sep 2019 9:28

Tgt Ion: 75 Resp: 177914

Ion Ratio Lower Upper

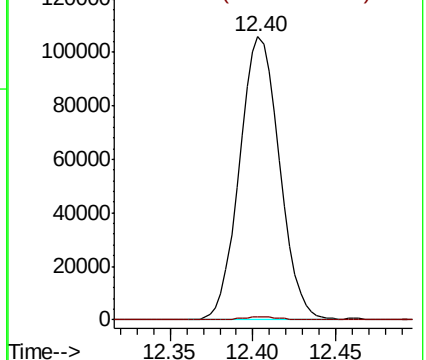
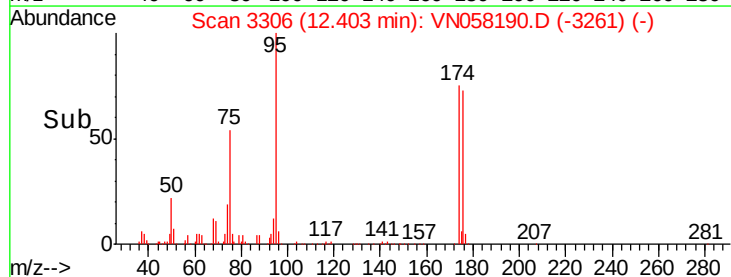
75 100

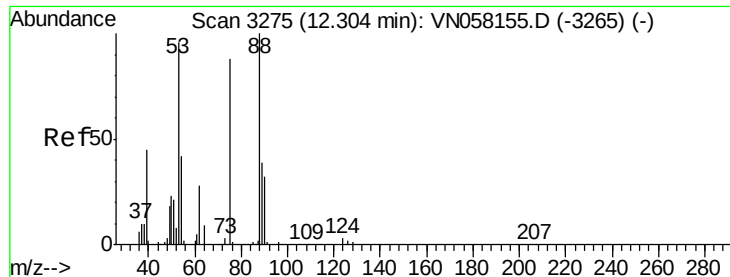
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

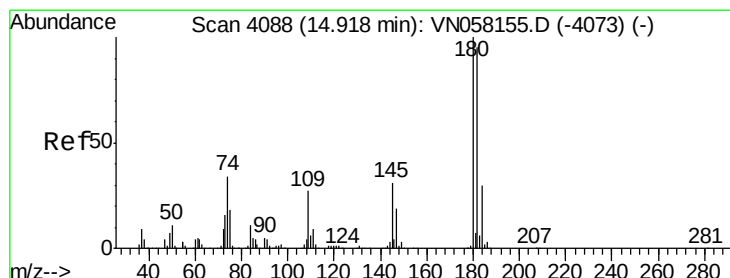
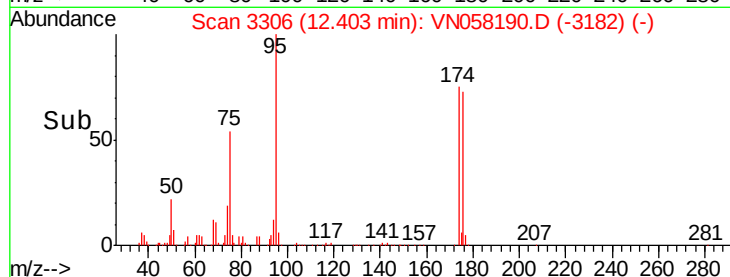
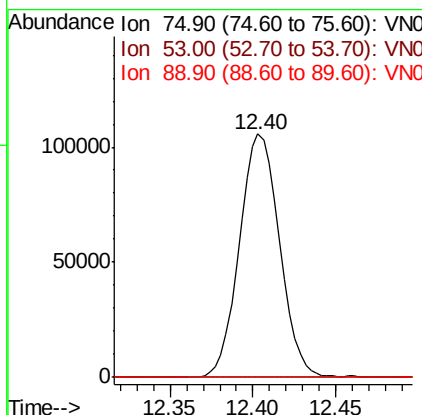
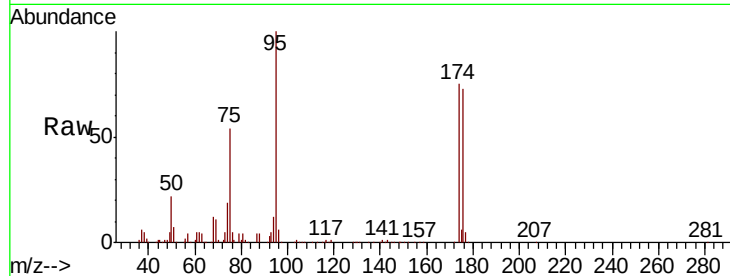




#81
trans-1,4-Dichloro-2-butene
Concen: 94.353 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

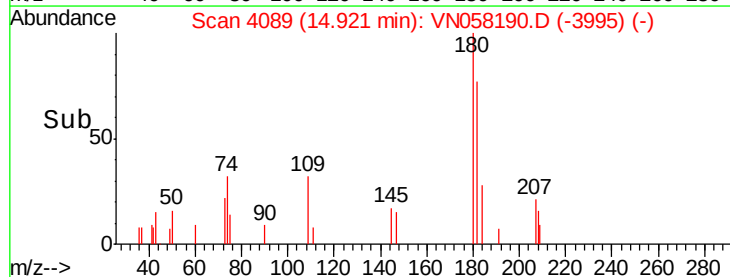
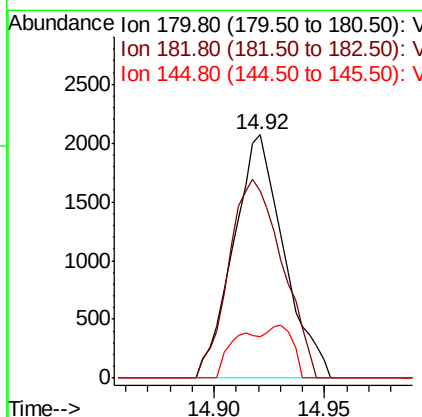
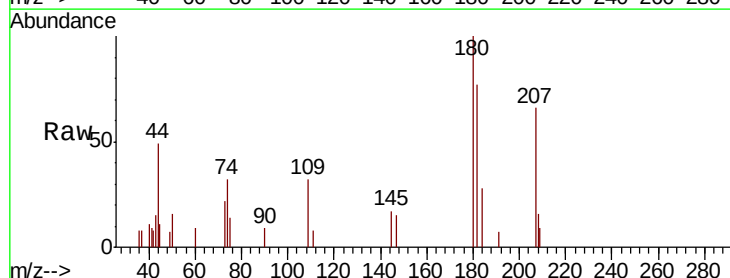
Instrument :
MSVOA_N
ClientSampled :

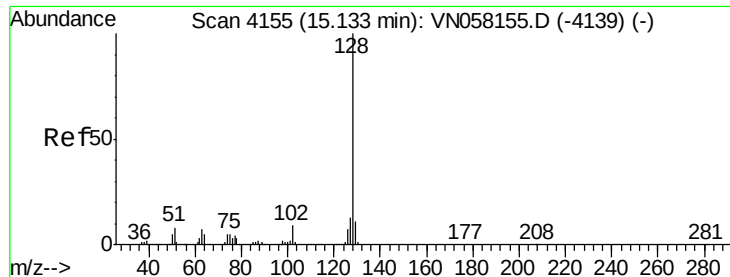
Tot Ion: 75 Resp: 177914
Ion Ratio Lower Upper
75 100
53 0.0 90.1 135.1#
89 0.0 36.2 54.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.601 ug/l
RT: 14.92 min Scan# 4089
Delta R.T. 0.00 min
Lab File: VN058190.D
Acq: 19 Sep 2019 9:28

Tgt Ion: 180 Resp: 3273
Ion Ratio Lower Upper
180 100
182 87.4 47.8 143.3
145 11.8 15.4 46.4#





#95

Naphthalene

Concen: 1.050 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampled :

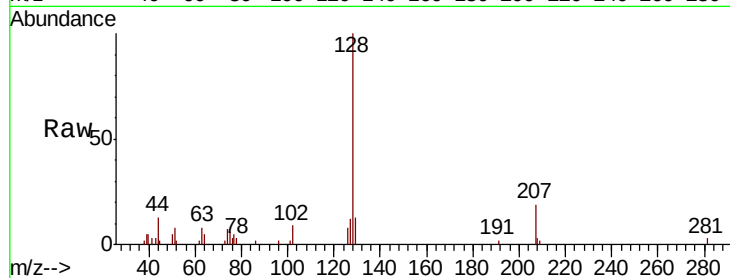
Tot Ion:128 Resp: 14816

Ion Ratio Lower Upper

128 100

127 11.1 10.2 15.2

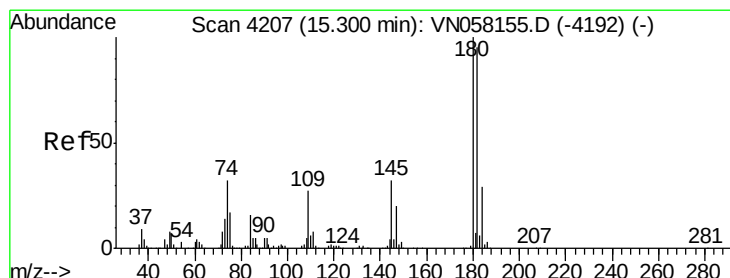
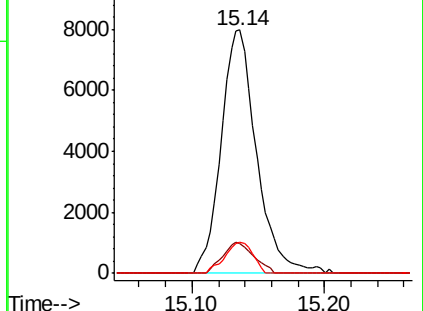
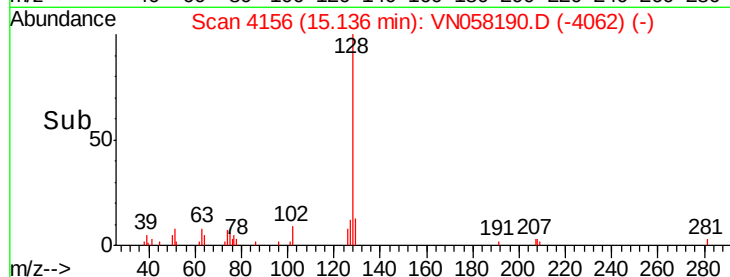
129 10.1 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.786 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058190.D

Acq: 19 Sep 2019 9:28

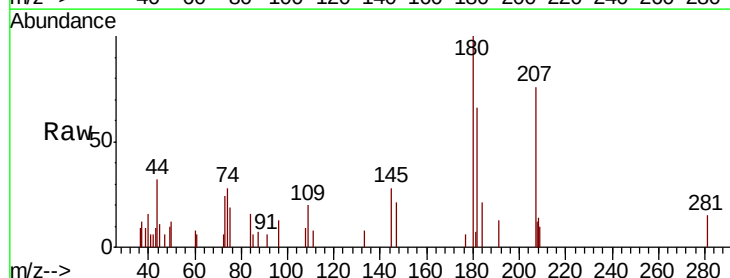
Tgt Ion:180 Resp: 4045

Ion Ratio Lower Upper

180 100

182 91.3 47.4 142.2

145 28.6 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

