

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058192.D
 Acq On : 19 Sep 2019 10:12
 Operator : JC/SP
 Sample : K4896-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20190912

Quant Time: Sep 20 01:48:01 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	513077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	829449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	353717	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.57	113	244515	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.09	98	1021463	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.40	95	327351	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

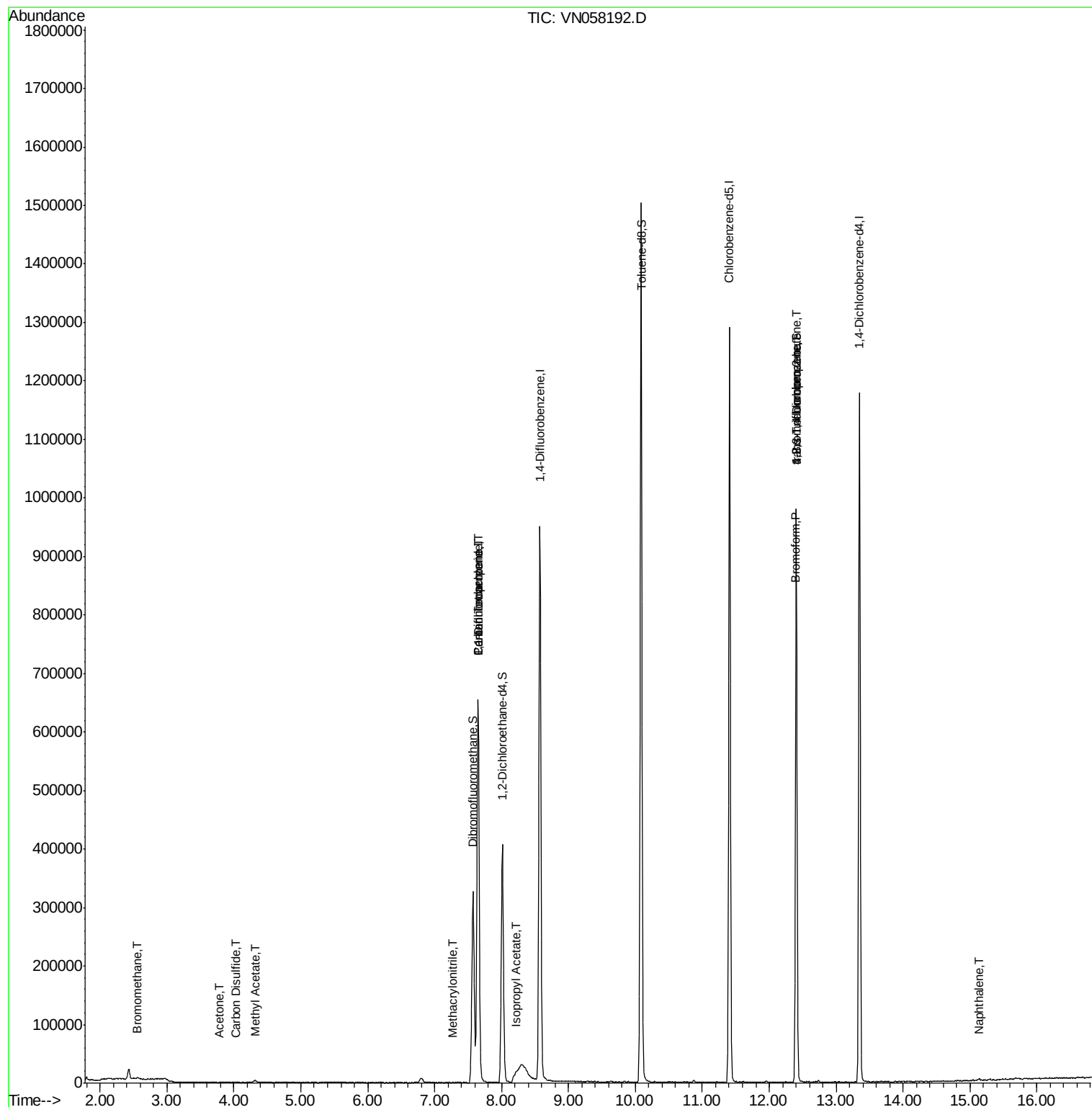
						Qvalue
3) Chloromethane	2.03	50	389	Below Cal	#	71
4) Vinyl Chloride	2.44	62	38	Below Cal	#	43
5) Bromomethane	2.56	94	286	0.872 ug/l	#	9
6) Chloroethane	2.96	64	62	Below Cal	#	44
16) Acetone	3.78	43	524	0.216 ug/l	#	45
17) Carbon Disulfide	4.03	76	296	0.337 ug/l	#	74
18) Methyl Acetate	4.32	43	6477	1.015 ug/l	#	75
20) Methylene Chloride	4.53	84	321	Below Cal	#	64
31) Cyclohexane	7.65	56	12500	Below Cal	#	25
36) 1,1-Dichloropropene	7.65	75	42901	7.172 ug/l	#	51
38) Carbon Tetrachloride	7.65	117	52176	8.677 ug/l	#	15
41) Methacrylonitrile	7.27	41	65	0.931 ug/l	#	100
43) Isopropyl Acetate	8.21	43	15081	1.301 ug/l	#	57
71) Bromoform	12.39	173	191	3.648 ug/l	#	29
76) 1,2,3-Trichloropropane	12.40	75	181358	34.225 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181358	95.869 ug/l	#	5
95) Naphthalene	15.13	128	3026	0.214 ug/l	#	84

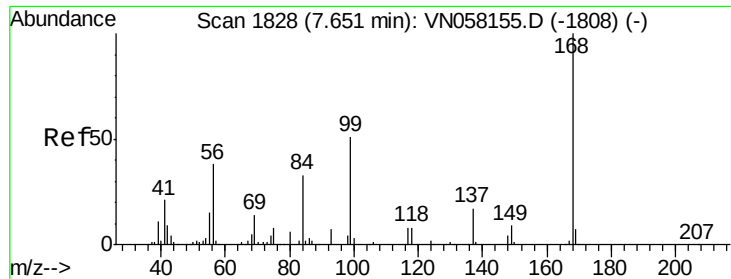
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

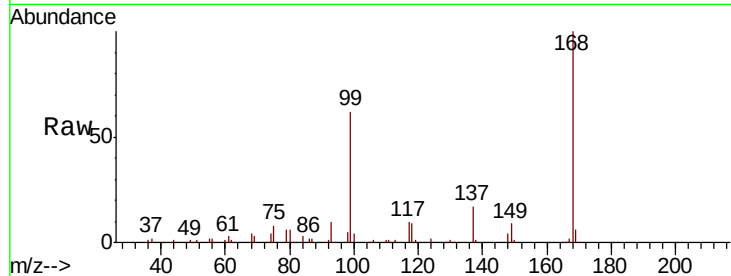
TB02-20190912

Tot Ion:168 Resp: 513077

Ion Ratio Lower Upper

168 100

99 62.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058155.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1808) (-)

7.65

250000

200000

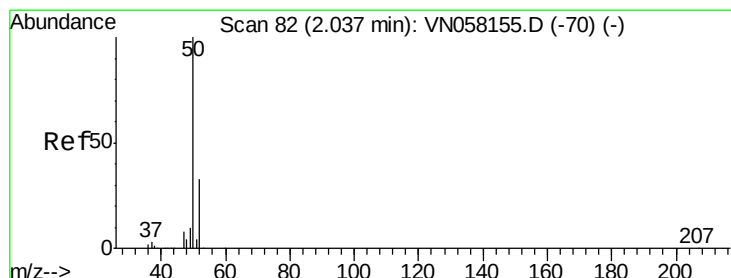
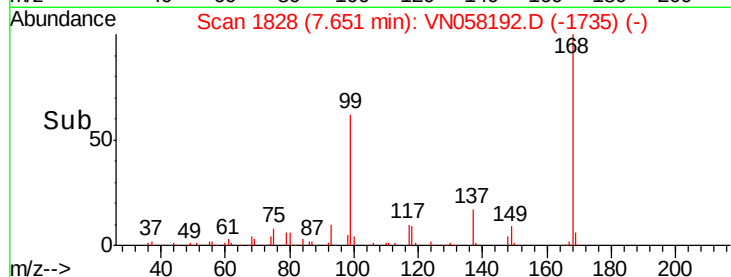
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058192.D

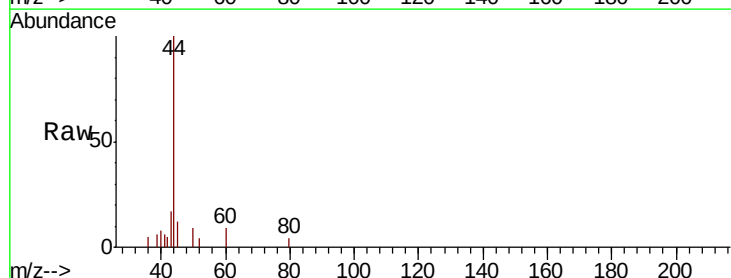
Acq: 19 Sep 2019 10:12

Tgt Ion: 50 Resp: 389

Ion Ratio Lower Upper

50 100

52 49.1 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058155.D (-70) (-)

2.03

400

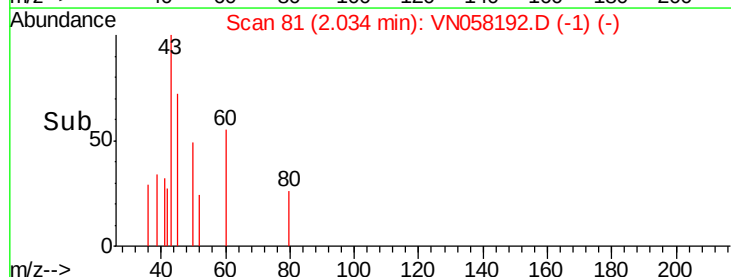
300

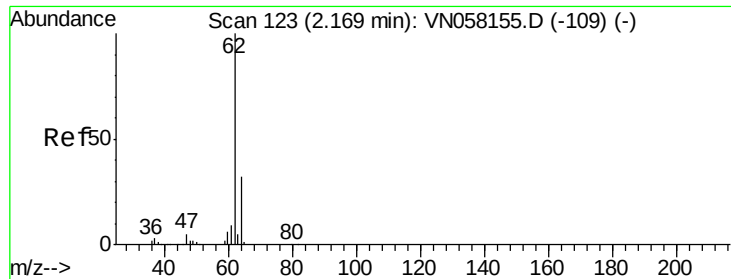
200

100

0

Time--> 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.44 min Scan# 206

Delta R.T. 0.27 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

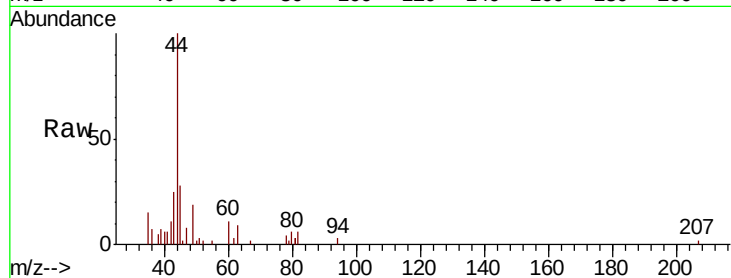
TB02-20190912

Tot Ion: 62 Resp: 38

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.44

200

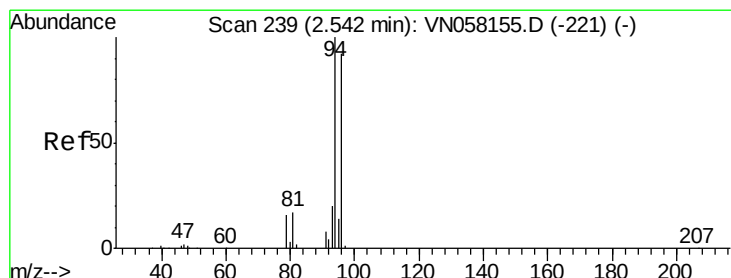
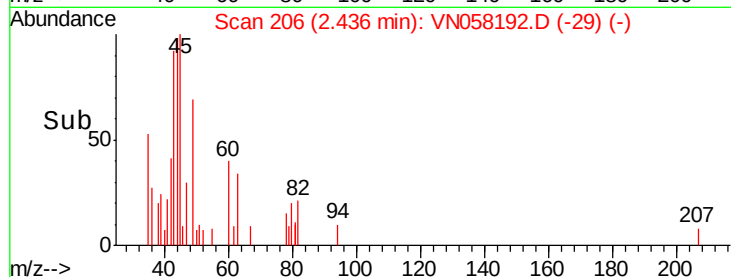
150

100

50

0

Time--> 2.42 2.43 2.44 2.44 2.44



#5

Bromomethane

Concen: 0.872 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN058192.D

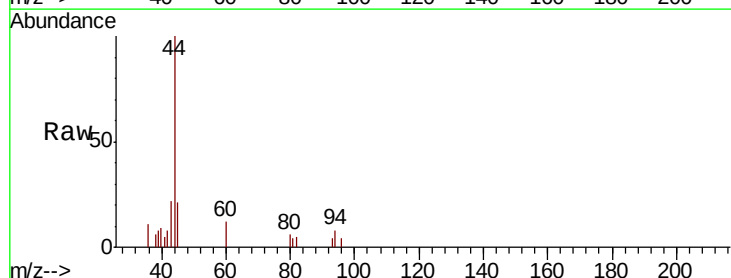
Acq: 19 Sep 2019 10:12

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

94 100

96 5.5 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

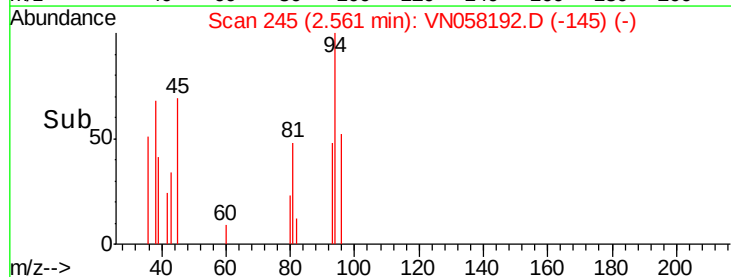
300

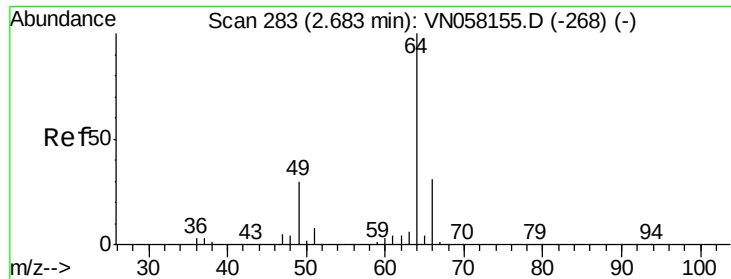
200

100

0

Time--> 2.54 2.56 2.58





#6

Chloroethane

Concen: Below Cal

RT: 2.96 min Scan# 370

Delta R.T. 0.28 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

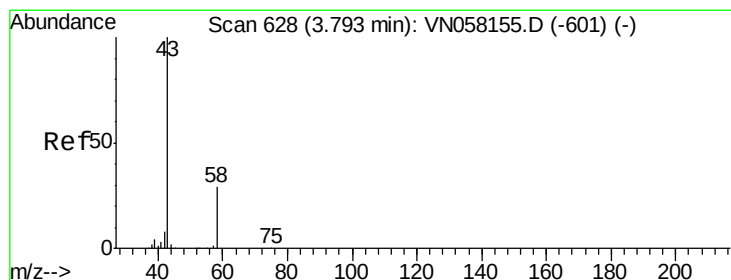
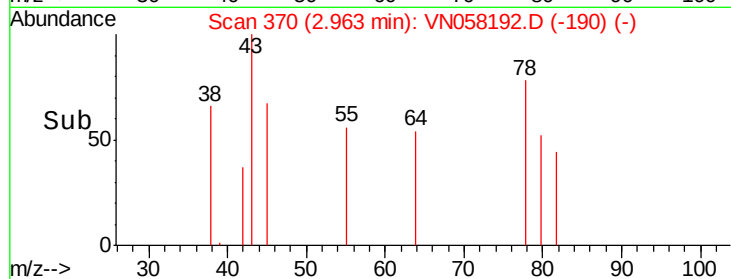
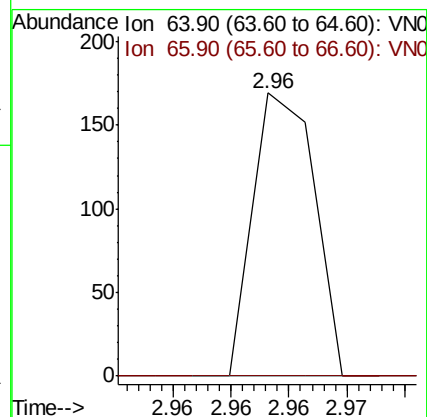
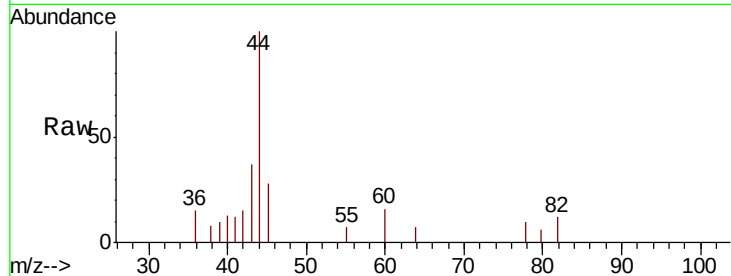
TB02-20190912

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#16

Acetone

Concen: 0.216 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN058192.D

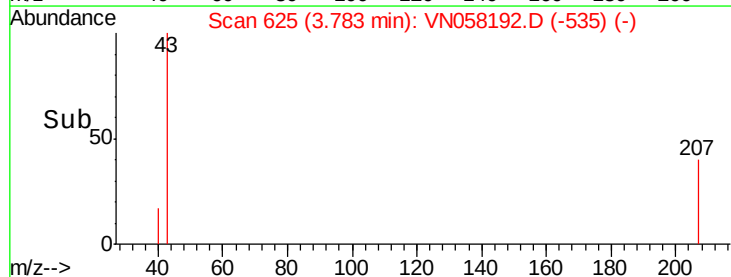
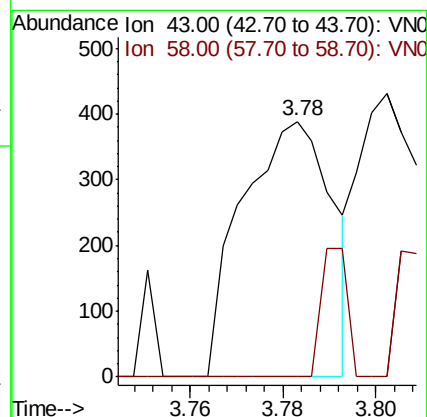
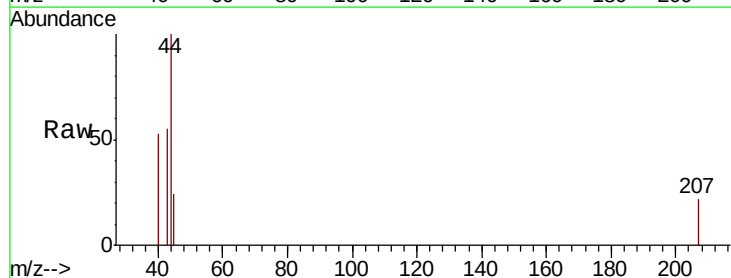
Acq: 19 Sep 2019 10:12

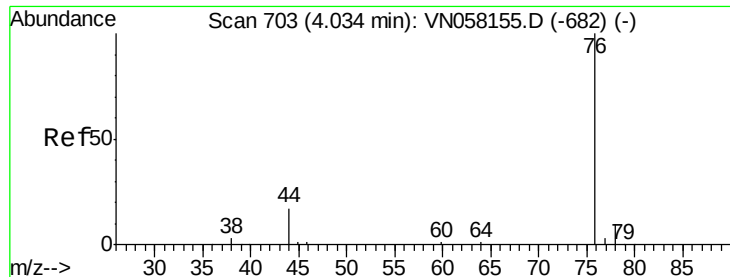
Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

58 0.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.337 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

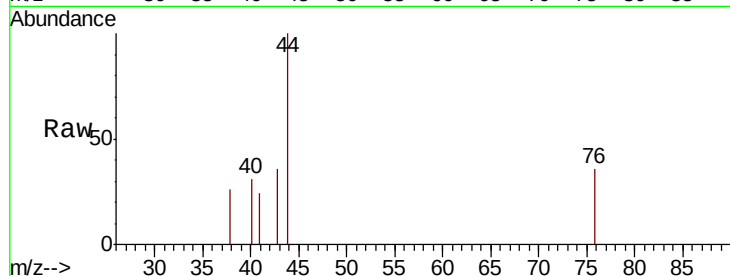
TB02-20190912

Tot Ion: 76 Resp: 296

Ion Ratio Lower Upper

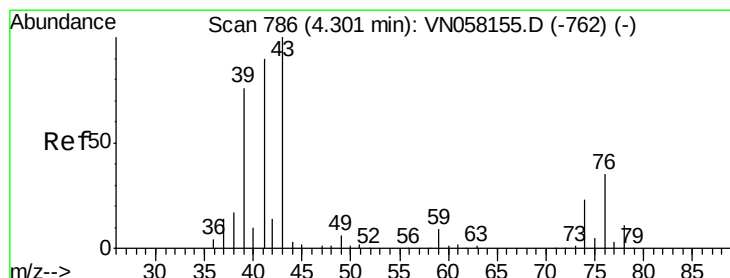
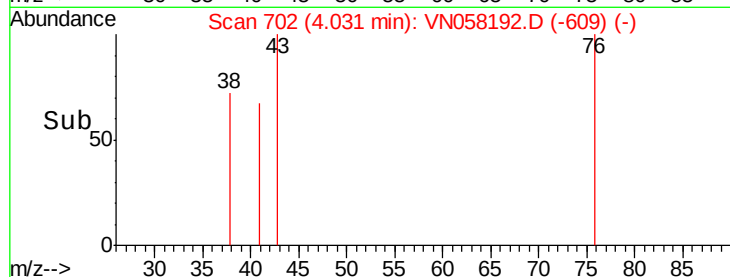
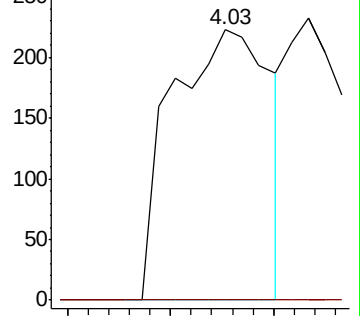
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.015 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058192.D

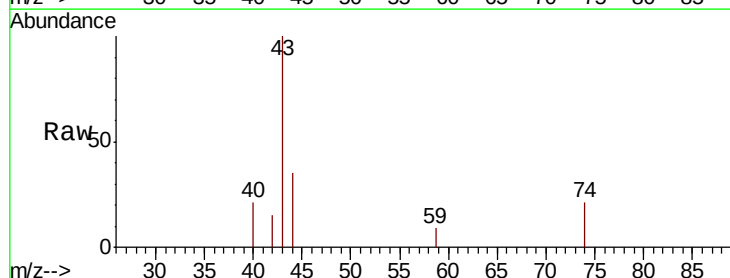
Acq: 19 Sep 2019 10:12

Tgt Ion: 43 Resp: 6477

Ion Ratio Lower Upper

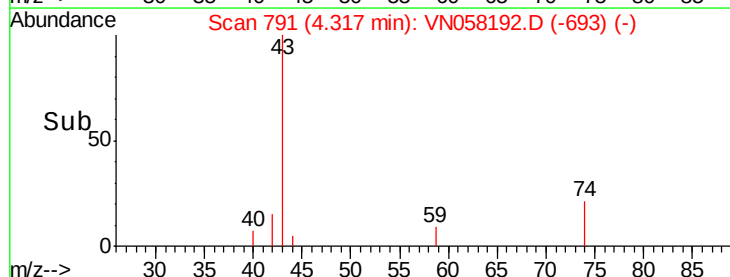
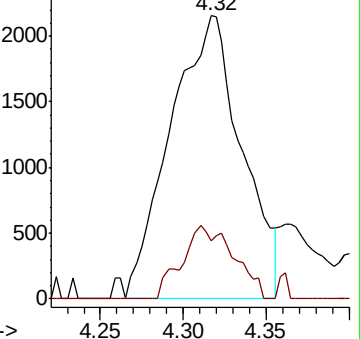
43 100

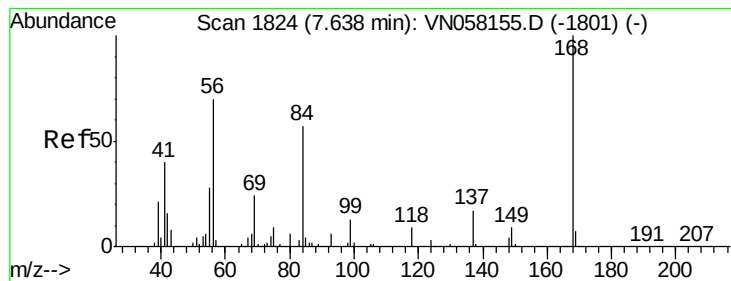
74 10.5 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

TB02-20190912

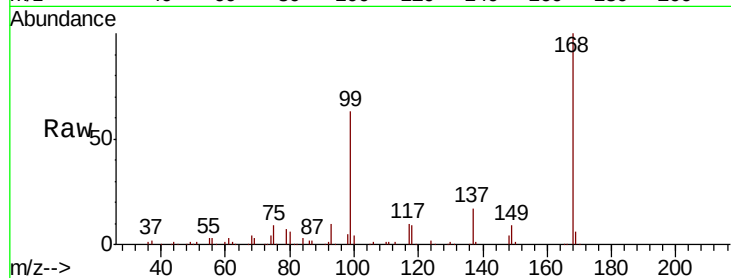
Tot Ion: 56 Resp: 12500

Ion Ratio Lower Upper

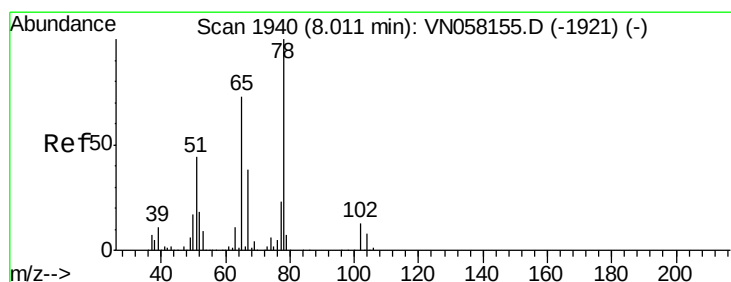
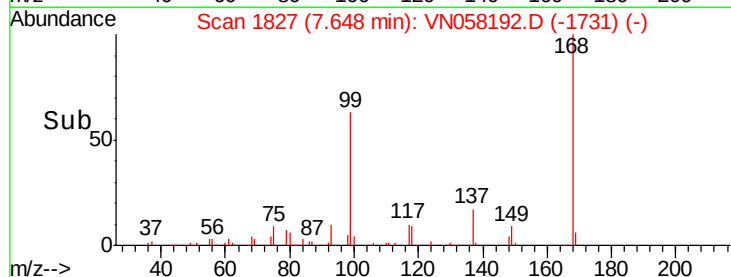
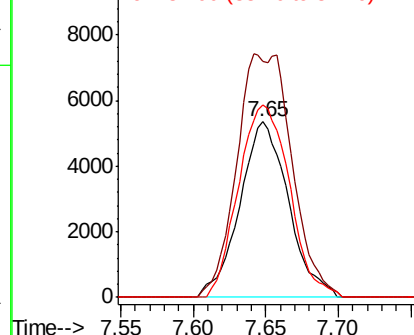
56 100

69 135.0 27.3 40.9#

84 110.0 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 49.498 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058192.D

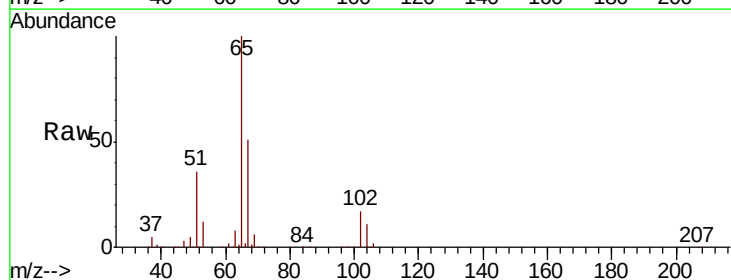
Acq: 19 Sep 2019 10:12

Tgt Ion: 65 Resp: 353717

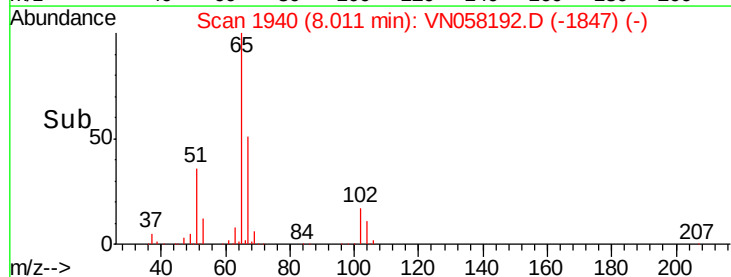
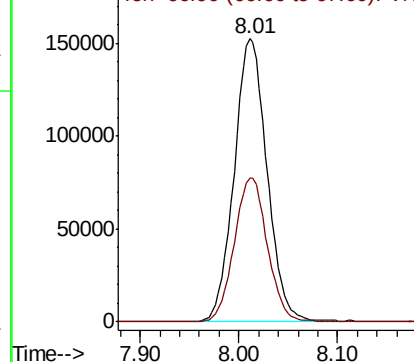
Ion Ratio Lower Upper

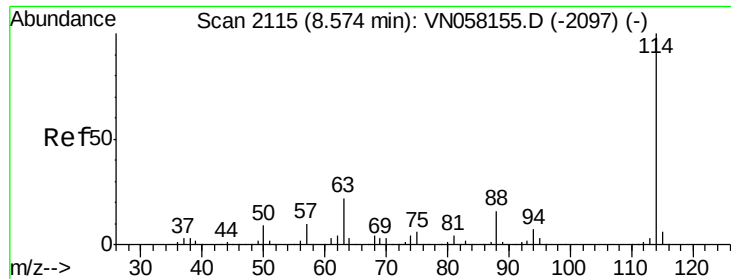
65 100

67 51.2 0.0 103.4



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

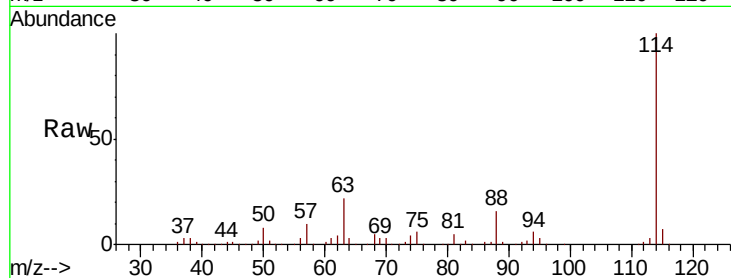




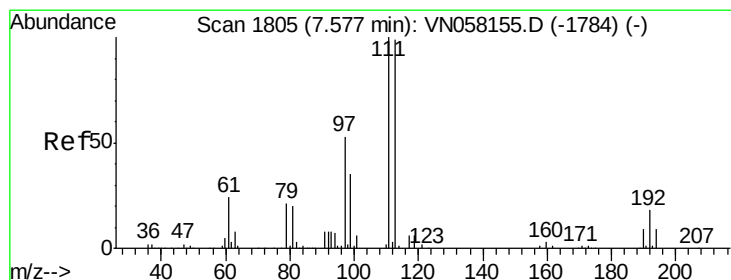
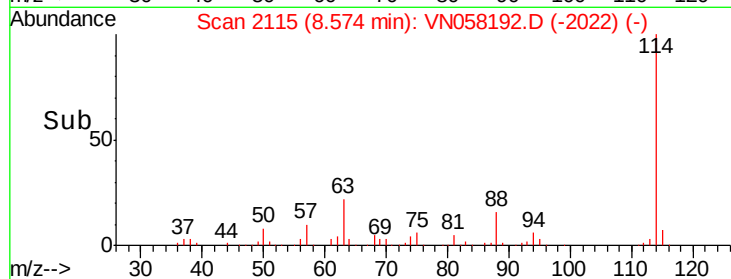
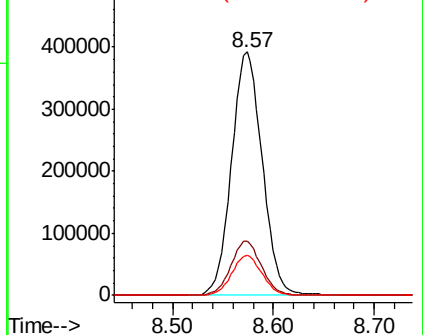
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058192.D
 Acq: 19 Sep 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 829449
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 16.5 0.0 31.6

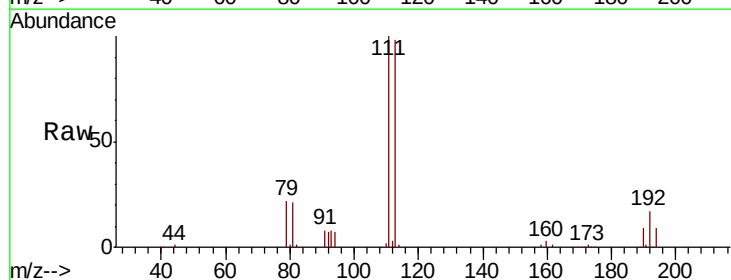


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

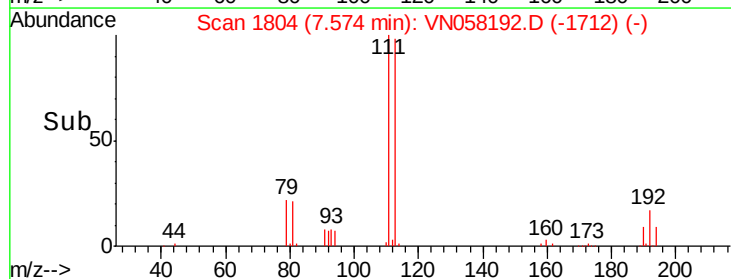
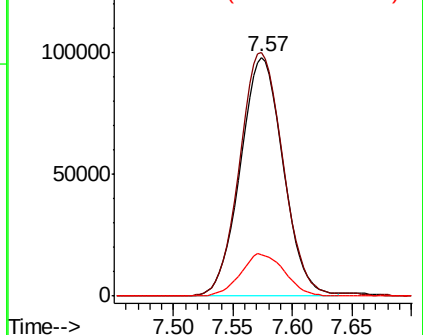


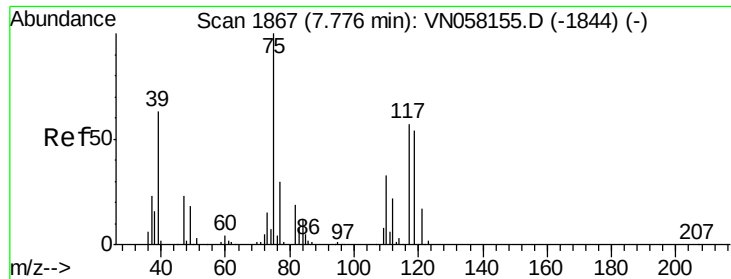
#35
 Dibromofluoromethane
 Concen: 48.492 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058192.D
 Acq: 19 Sep 2019 10:12

Tgt Ion:113 Resp: 244515
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 18.3 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

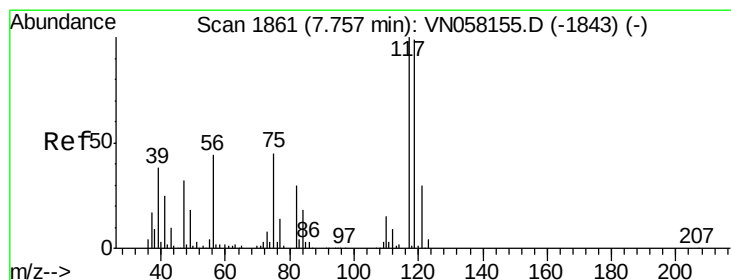
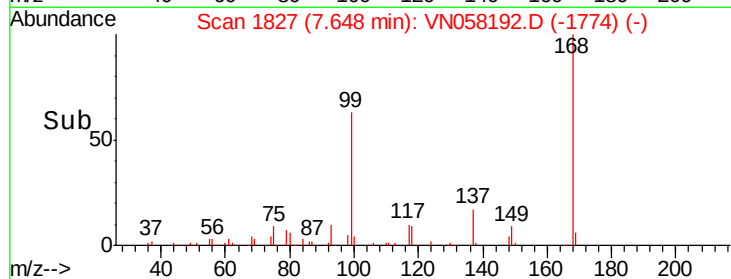
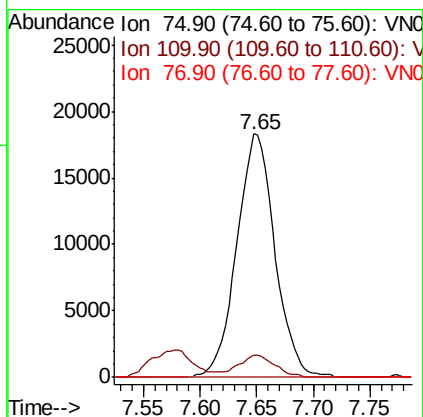
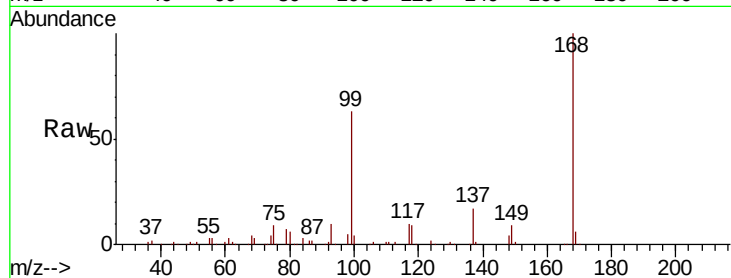




#36
 1,1-Dichloropropene
 Concen: 7.172 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058192.D
 Acq: 19 Sep 2019 10:12

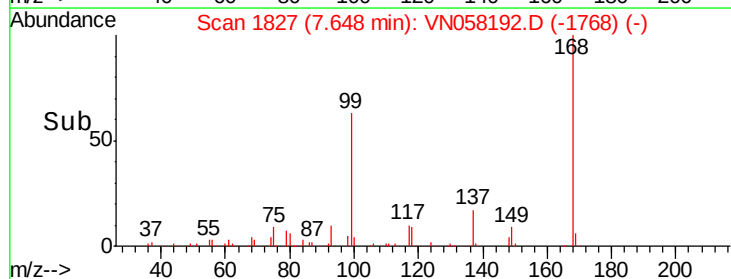
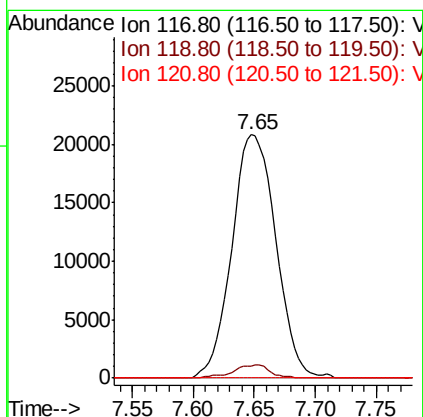
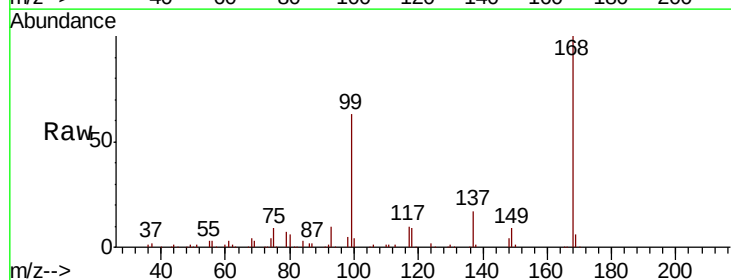
Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20190912

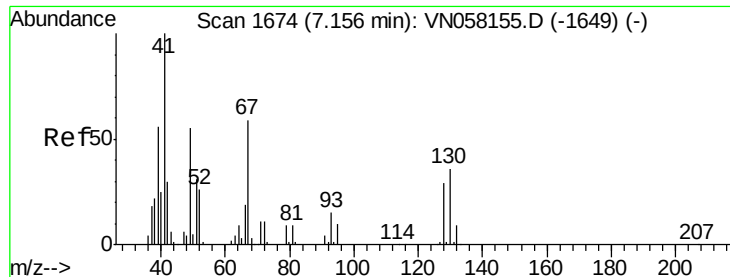
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.677 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058192.D
 Acq: 19 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.6	117.8#
121	0.0	24.1	36.1#

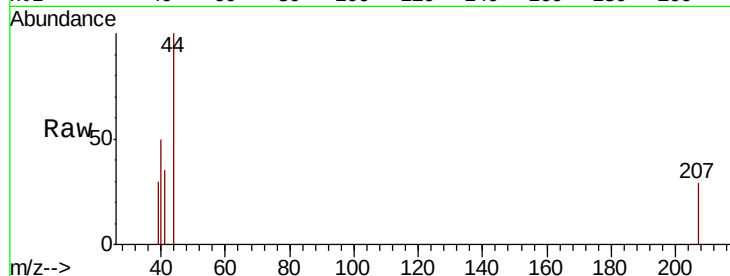




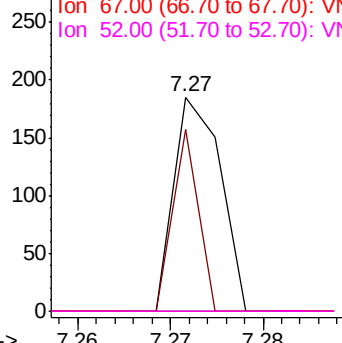
#41
Methacrylonitrile
Concen: 0.931 ug/l
RT: 7.27 min Scan# 1710
Delta R.T. 0.12 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
TB02-20190912

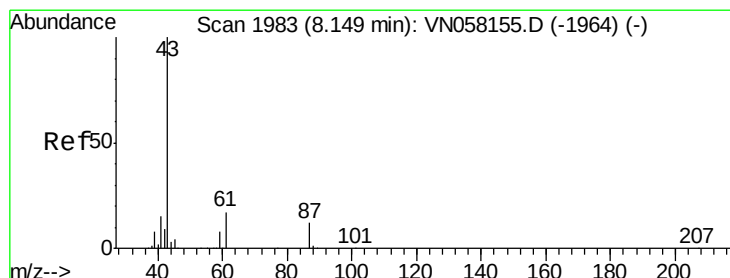
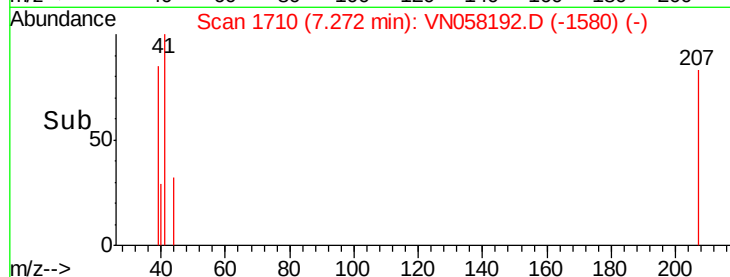
Tot Ion:	41	Resp:	65
Ion	Ratio	Lower	Upper
41	100		
39	46.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

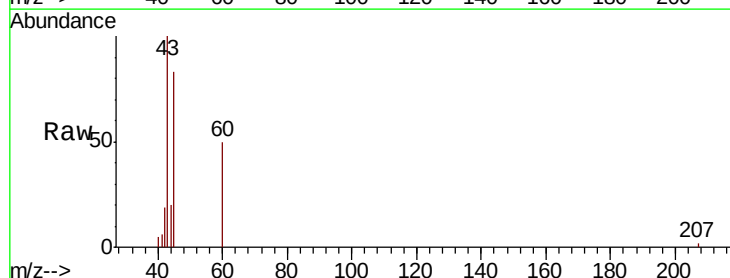


Time-->

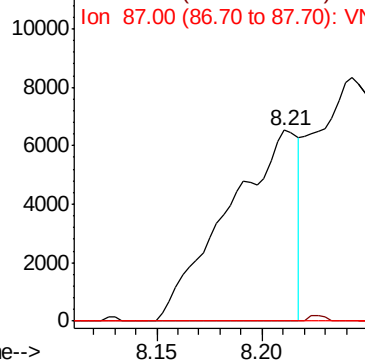


#43
Isopropyl Acetate
Concen: 1.301 ug/l
RT: 8.21 min Scan# 2002
Delta R.T. 0.06 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

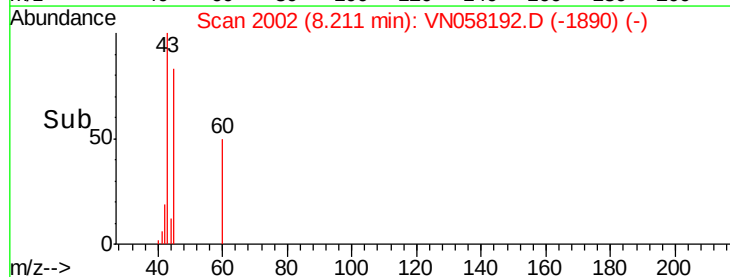
Tgt Ion:	43	Resp:	15081
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

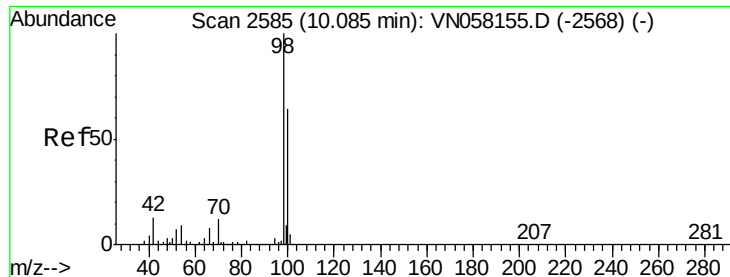


Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



Time-->

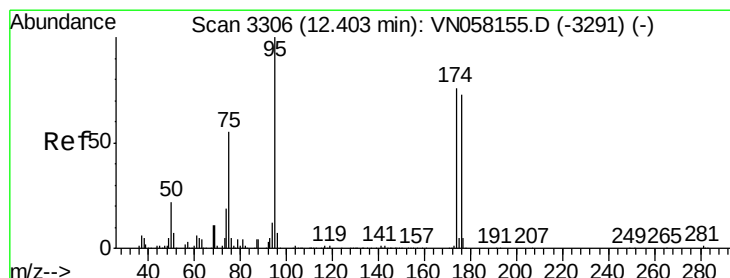
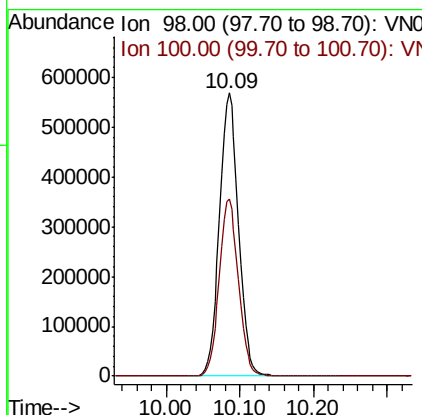
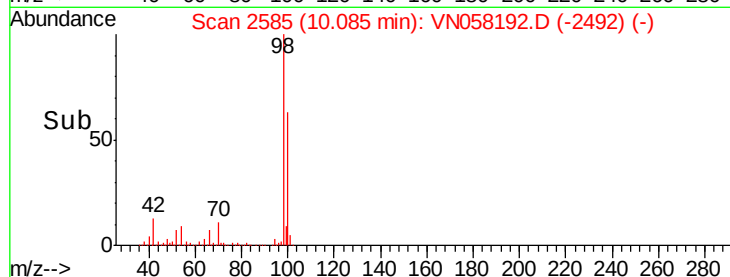
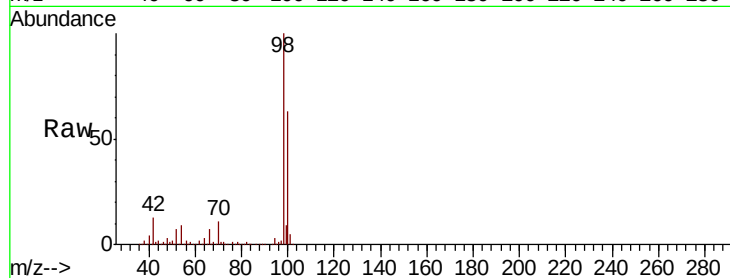




#50
Toluene-d8
Concen: 51.993 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

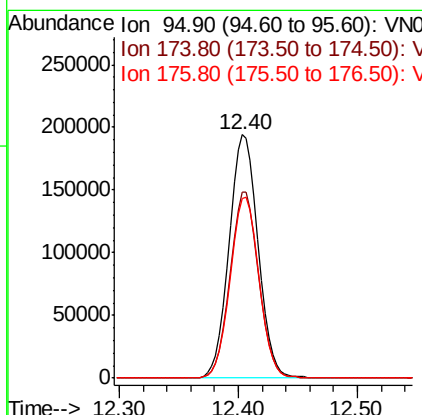
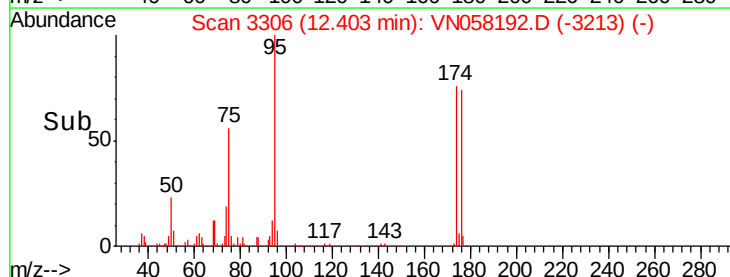
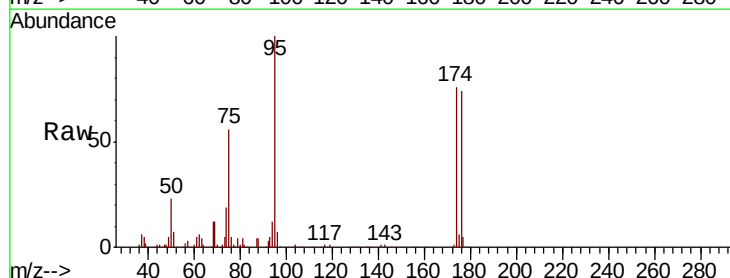
Instrument :
MSVOA_N
ClientSampleId :
TB02-20190912

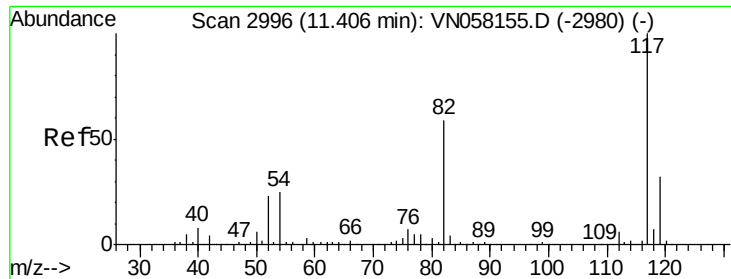
Tot Ion: 98 Resp: 1021463
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.856 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

Tgt Ion: 95 Resp: 327351
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.2
176 74.2 0.0 148.0

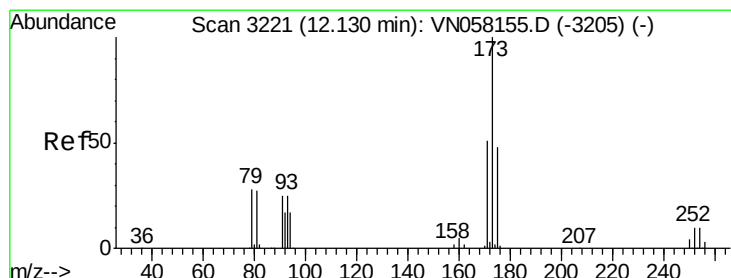
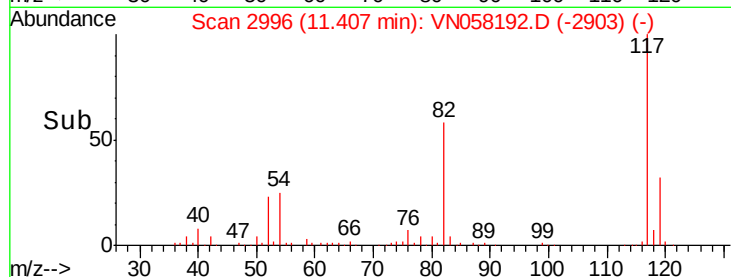
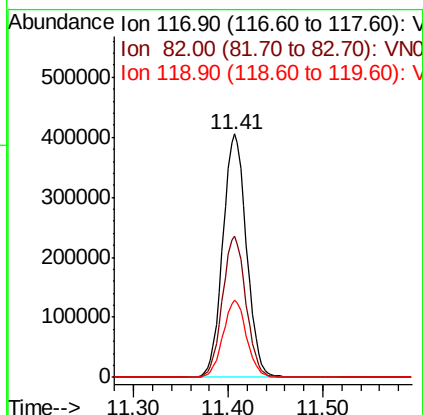
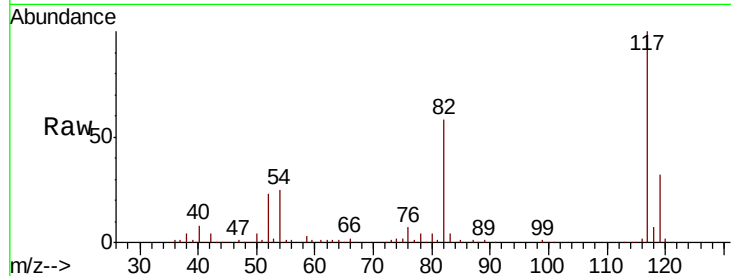




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

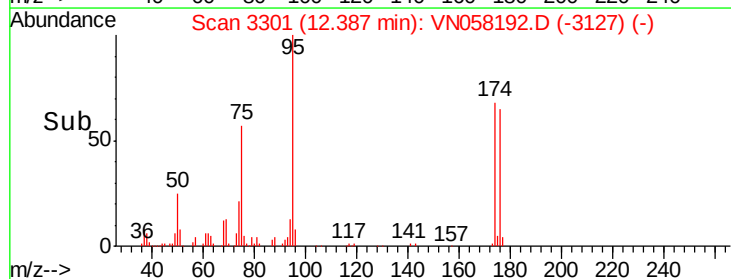
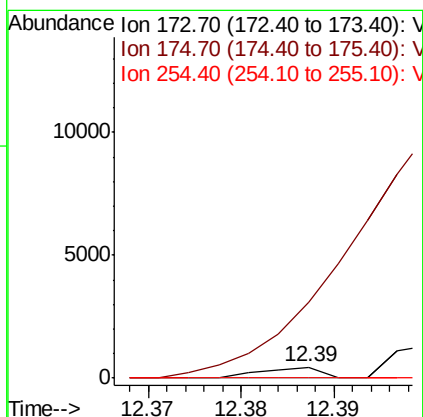
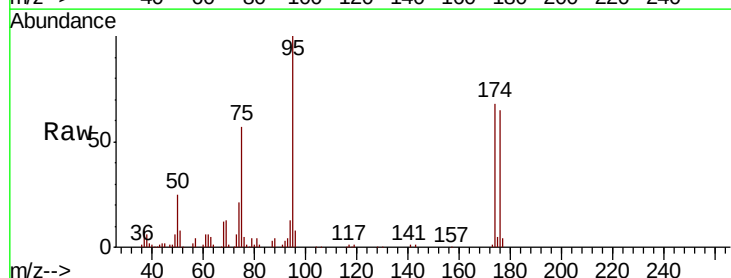
Instrument :
MSVOA_N
ClientSampled :
TB02-20190912

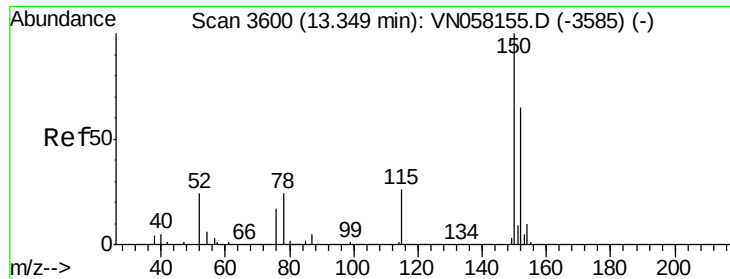
Tot Ion:117 Resp: 703769
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 31.9 25.3 37.9



#71
Bromoform
Concen: 3.648 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

Tgt Ion:173 Resp: 191
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058192.D

Acq: 19 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

TB02-20190912

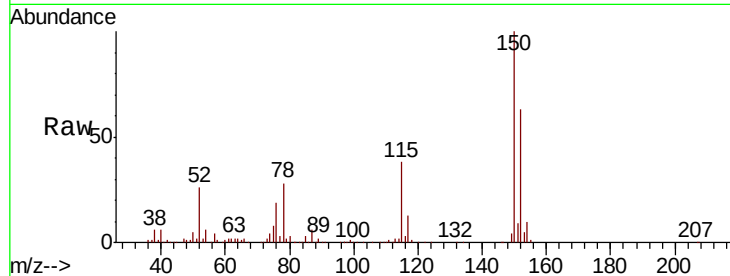
Tot Ion:152 Resp: 296081

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

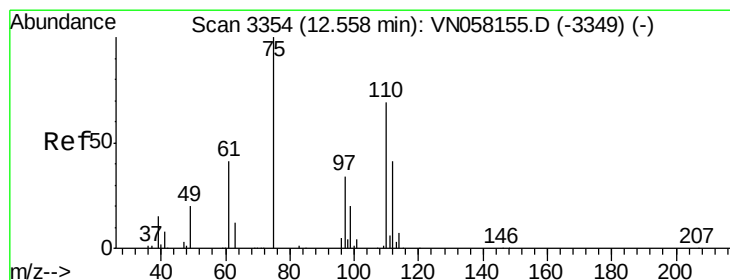
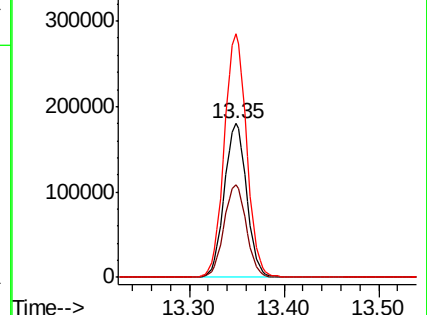
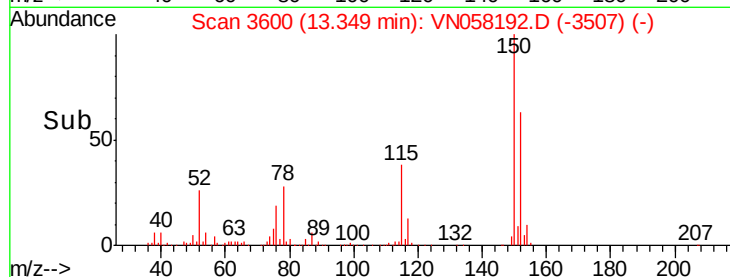
150 157.9 0.0 346.4



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: 34.225 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058192.D

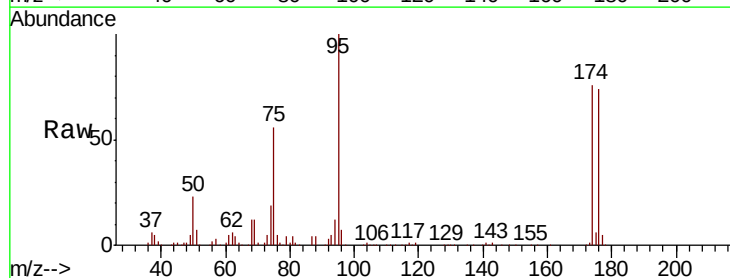
Acq: 19 Sep 2019 10:12

Tgt Ion: 75 Resp: 181358

Ion Ratio Lower Upper

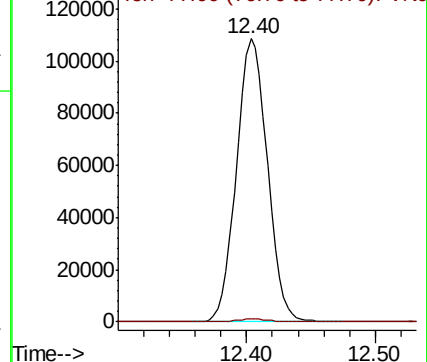
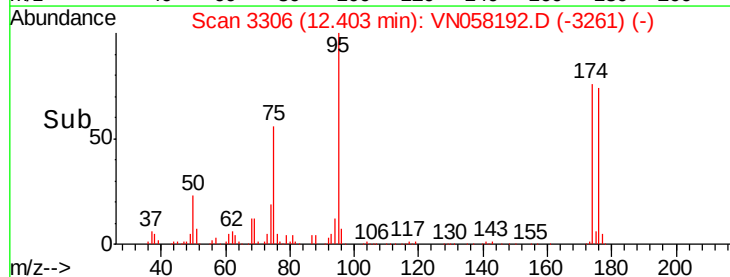
75 100

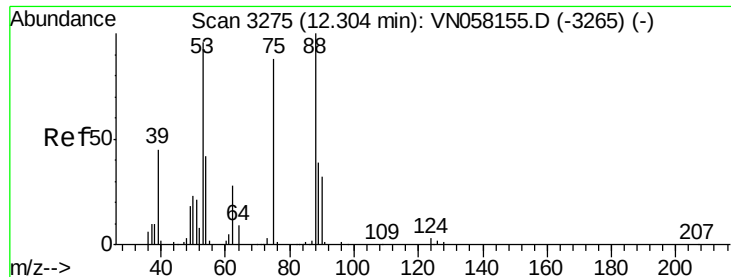
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

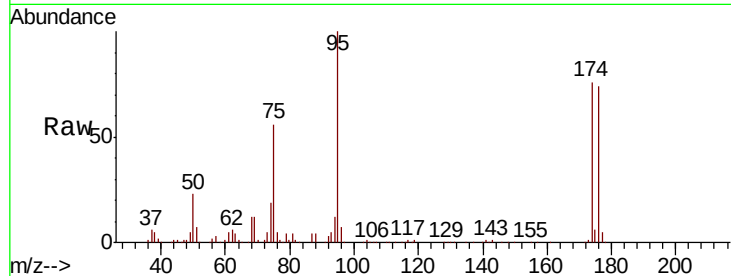




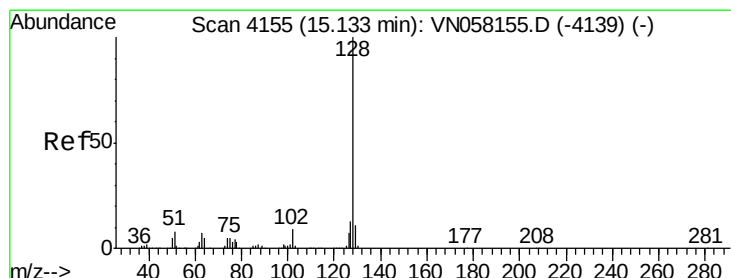
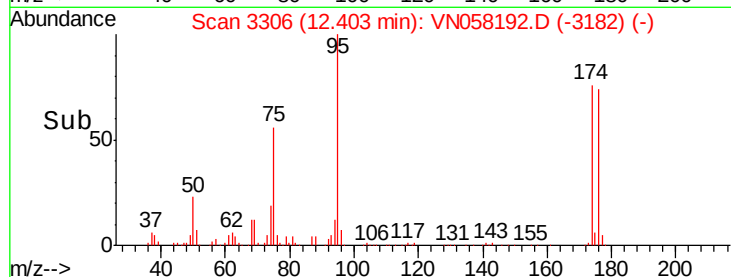
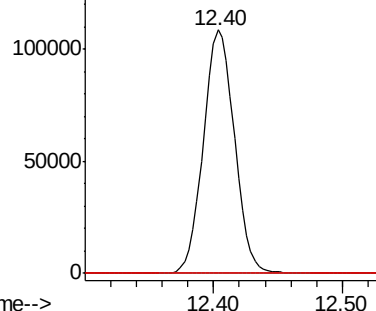
#81
trans-1,4-Dichloro-2-butene
Concen: 95.869 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
TB02-20190912

Tot Ion: 75 Resp: 181358
Ion Ratio Lower Upper
75 100
53 0.0 90.1 135.1#
89 0.0 36.2 54.2#

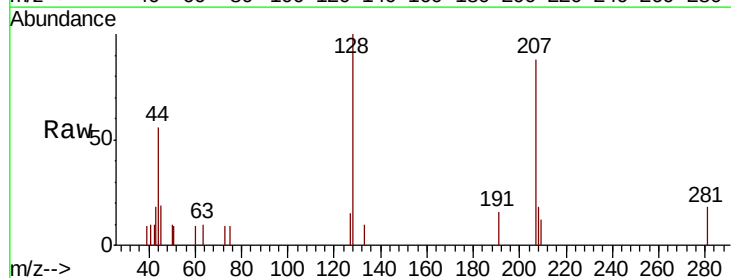


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 0.214 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058192.D
Acq: 19 Sep 2019 10:12

Tgt Ion:128 Resp: 3026
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 1.0 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

