

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058253.D
 Acq On : 20 Sep 2019 16:19
 Operator : JC/SP
 Sample : K4896-13DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20190912DL

Quant Time: Sep 20 23:50:55 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

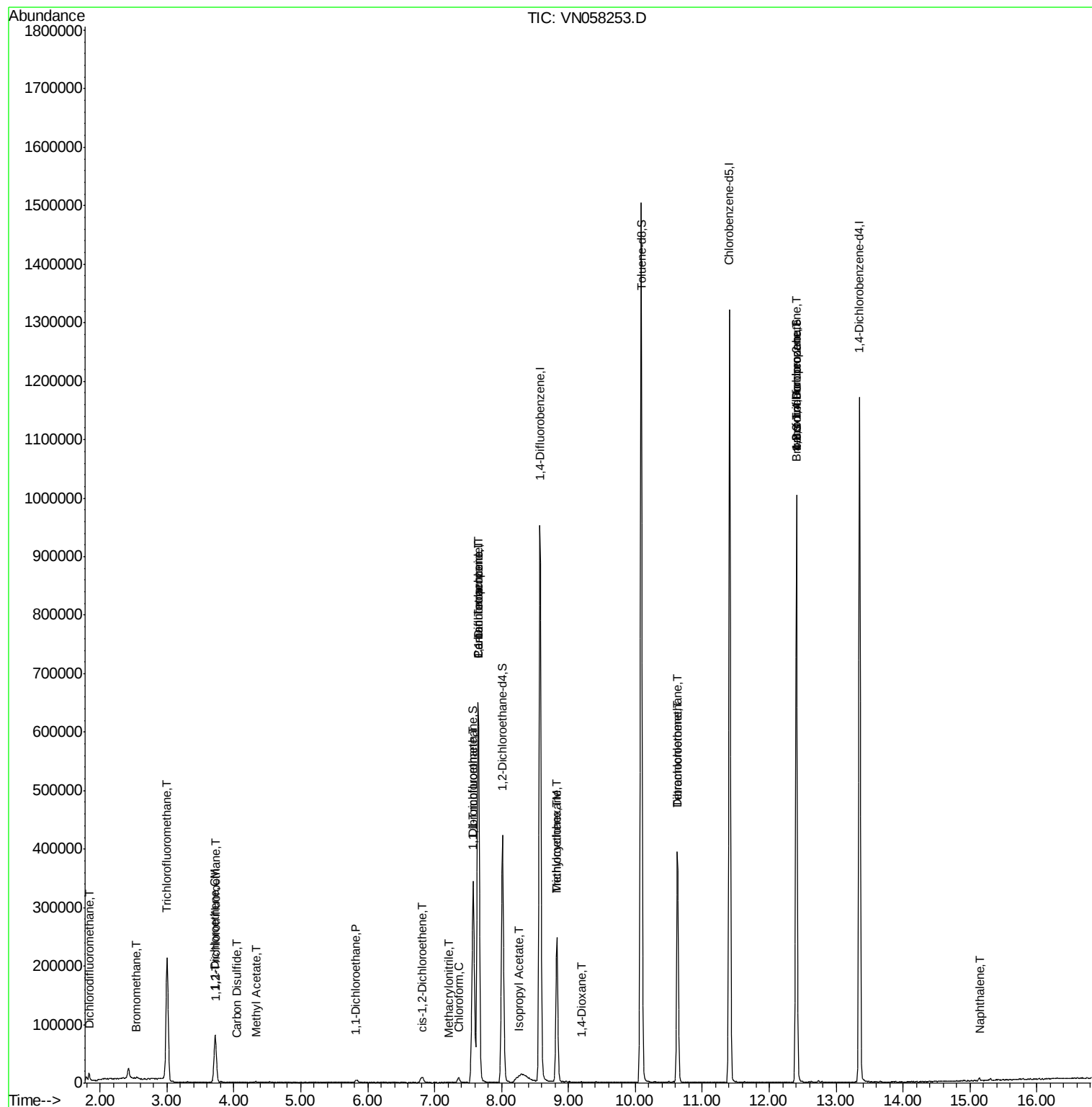
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	503457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	824320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	366571	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.58	113	251782	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.08	98	1036560	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.41	95	332113	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	9938	2.403	ug/l	92
3) Chloromethane	2.04	50	690	Below Cal	#	42
4) Vinyl Chloride	2.18	62	66	Below Cal	#	43
5) Bromomethane	2.55	94	201	0.830	ug/l	82
6) Chloroethane	2.69	64	29	Below Cal	#	44
7) Trichlorofluoromethane	3.00	101	200128	35.451	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2974	0.731	ug/l #	59
12) 1,1-Dichloroethene	3.72	96	37918	12.006	ug/l	99
17) Carbon Disulfide	4.03	76	387	0.359	ug/l #	74
18) Methyl Acetate	4.32	43	2074	0.331	ug/l #	64
20) Methylene Chloride	4.54	84	470	Below Cal	#	36
24) 1,1-Dichloroethane	5.82	63	4111	0.455	ug/l #	91
27) cis-1,2-Dichloroethene	6.82	96	2345	0.459	ug/l	51
30) Chloroform	7.36	83	8697	0.895	ug/l	95
31) Cyclohexane	7.65	56	12381	Below Cal	#	1
32) 1,1,1-Trichloroethane	7.56	97	10784	1.457	ug/l #	53
36) 1,1-Dichloropropene	7.65	75	44271	7.447	ug/l #	50
38) Carbon Tetrachloride	7.65	117	51125	8.556	ug/l #	15
39) Methylcyclohexane	8.83	83	1322	0.301	ug/l #	1
41) Methacrylonitrile	7.21	41	269	0.996	ug/l #	100
43) Isopropyl Acetate	8.25	43	11990	1.041	ug/l #	57
44) Trichloroethene	8.83	130	86825	19.541	ug/l	99
49) 1,4-Dioxane	9.20	88	61	0.710	ug/l #	1
60) Dibromochloromethane	10.63	129	80263	16.521	ug/l #	11
64) Tetrachloroethene	10.63	164	85606	24.715	ug/l	97
71) Bromoform	12.39	173	318	3.683	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	184139	35.198	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	184139	98.427	ug/l #	5
95) Naphthalene	15.14	128	3814	0.273	ug/l #	93

(#) = 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: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

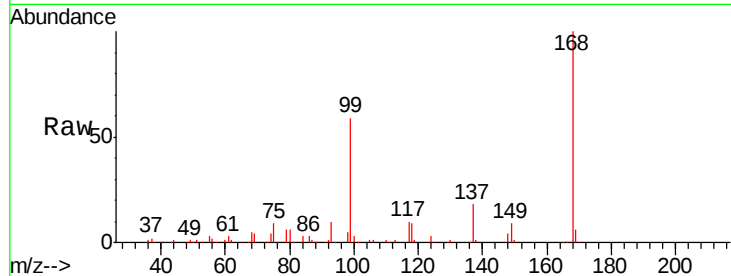
MW201D-20190912DL

Tgt Ion: 168 Resp: 503457

Ion Ratio Lower Upper

168 100

99 58.7 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

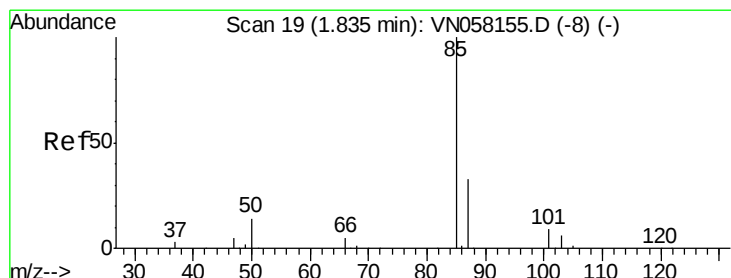
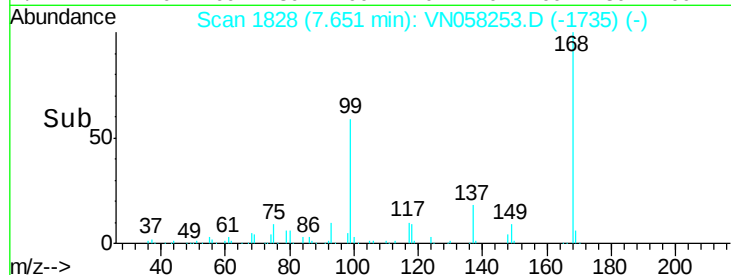
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 2.403 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058253.D

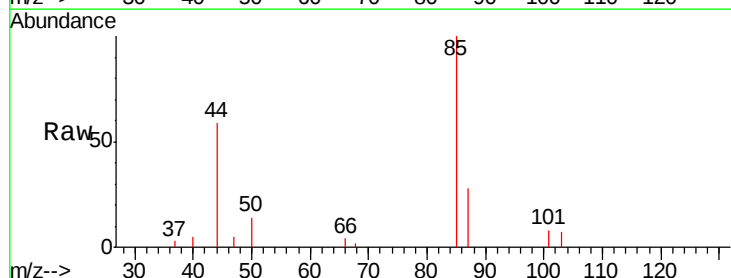
Acq: 20 Sep 2019 16:19

Tgt Ion: 85 Resp: 9938

Ion Ratio Lower Upper

85 100

87 28.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN058155.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058155.D (-8) (-)

1.84

8000

6000

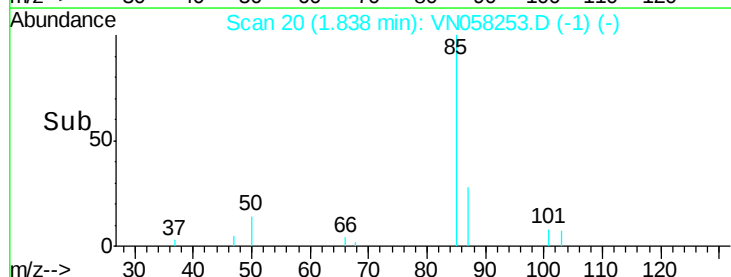
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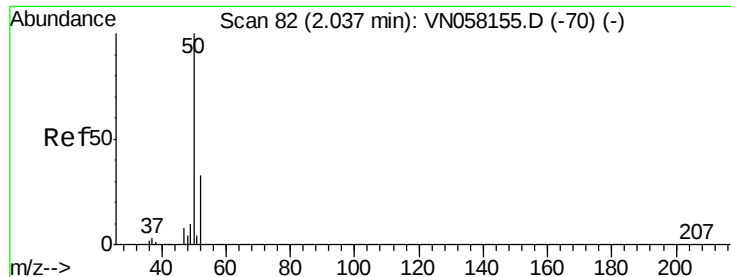
2000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

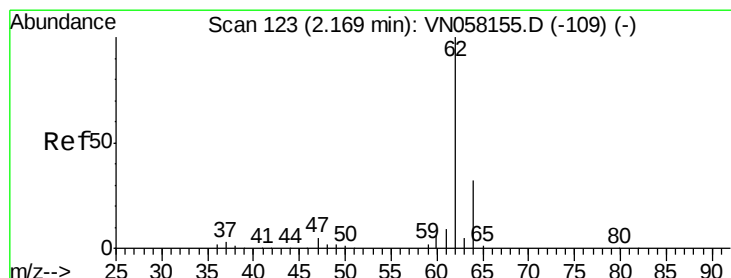
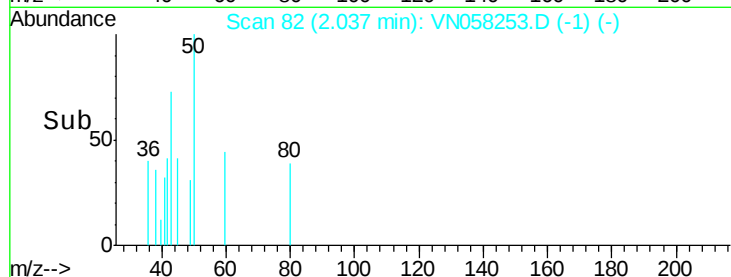
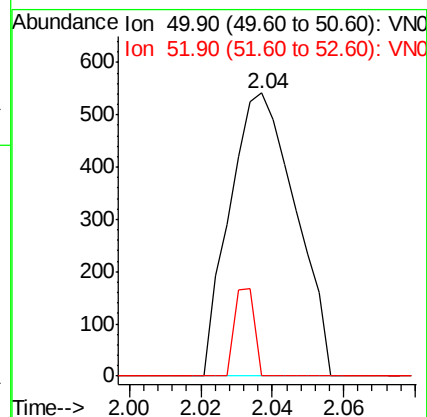
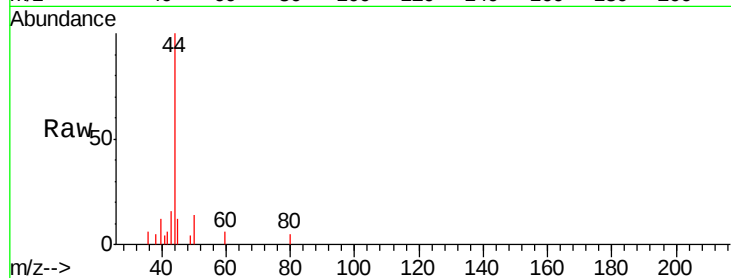
MW201D-20190912DL

Tgt Ion: 50 Resp: 690

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 125

Delta R.T. 0.01 min

Lab File: VN058253.D

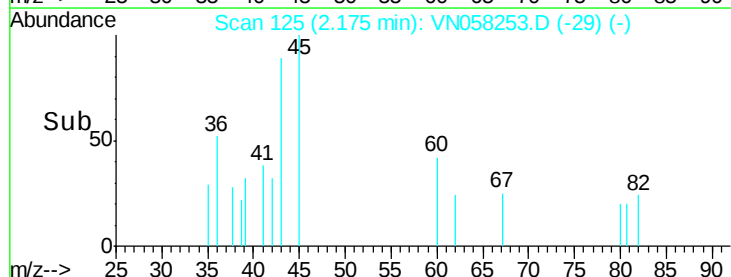
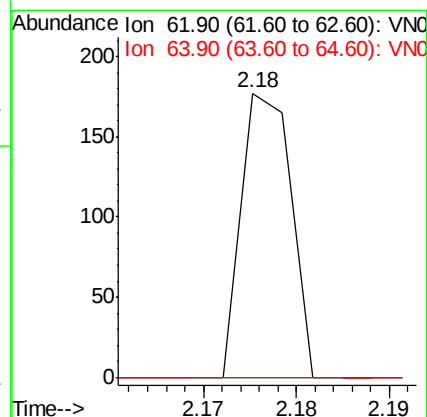
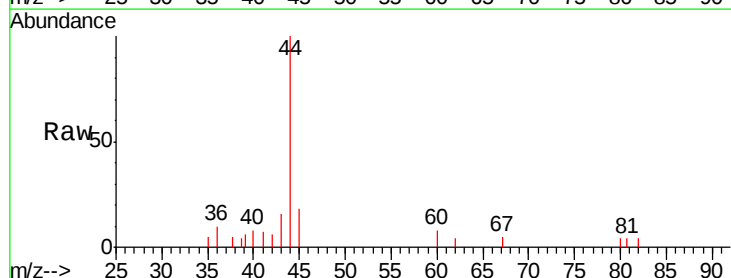
Acq: 20 Sep 2019 16:19

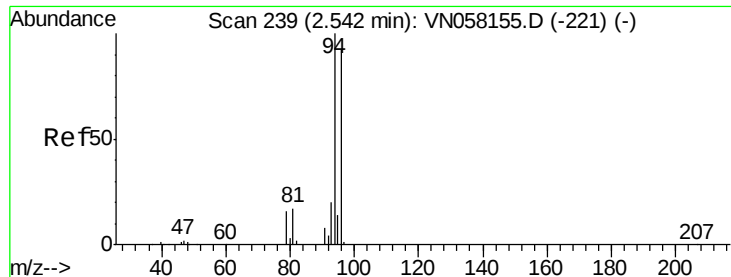
Tgt Ion: 62 Resp: 66

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#





#5

Bromomethane

Concen: 0.830 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

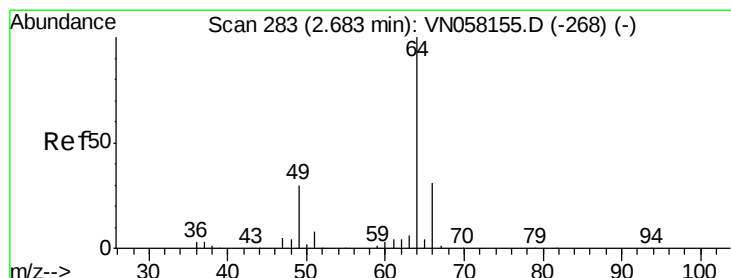
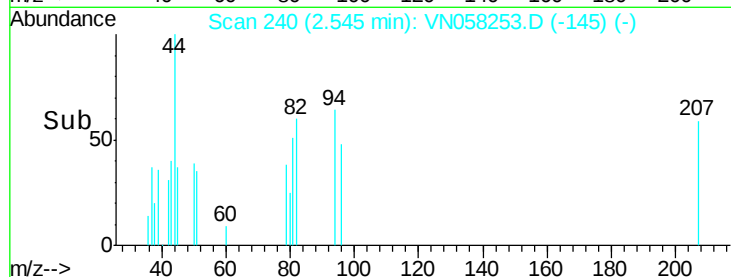
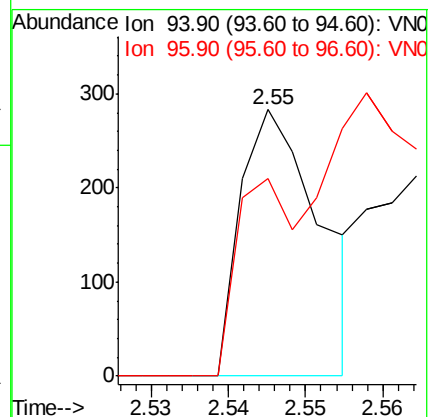
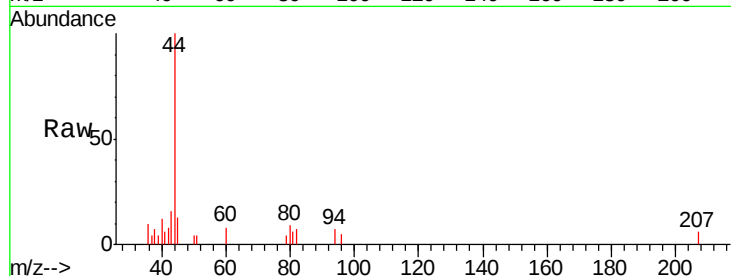
MW201D-20190912DL

Tgt Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 74.2 73.3 109.9



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058253.D

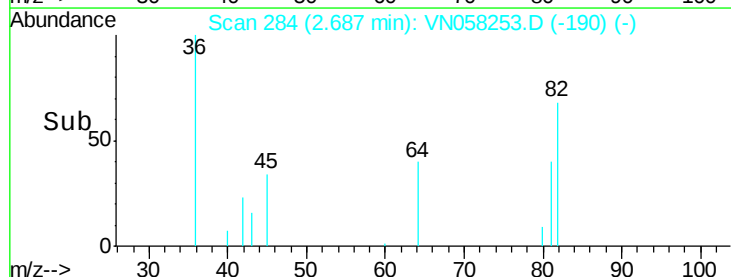
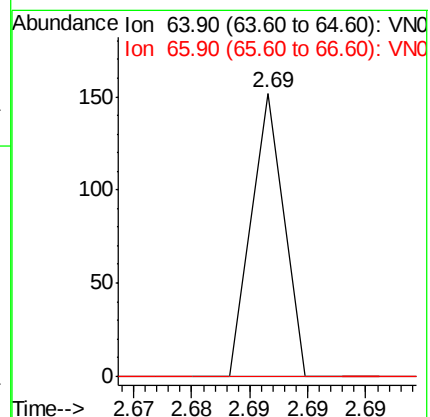
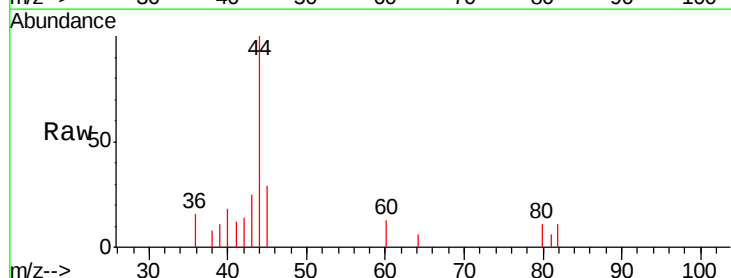
Acq: 20 Sep 2019 16:19

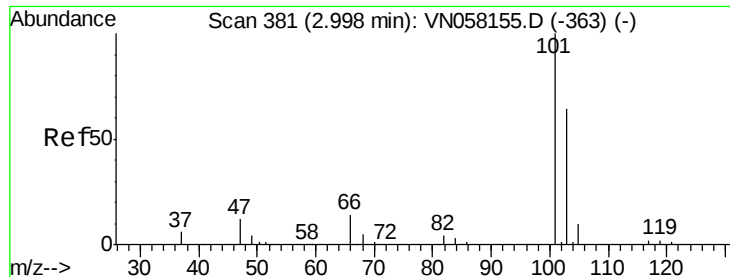
Tgt Ion: 64 Resp: 29

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



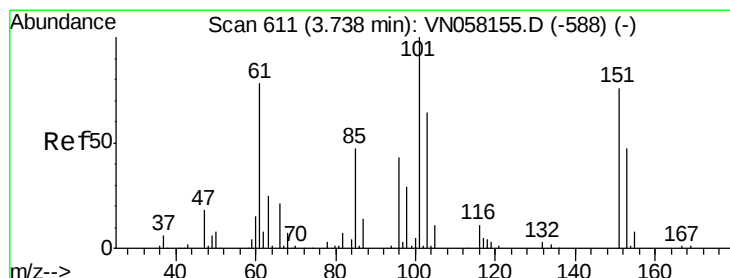
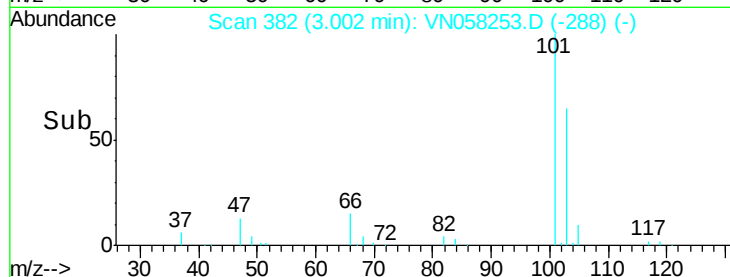
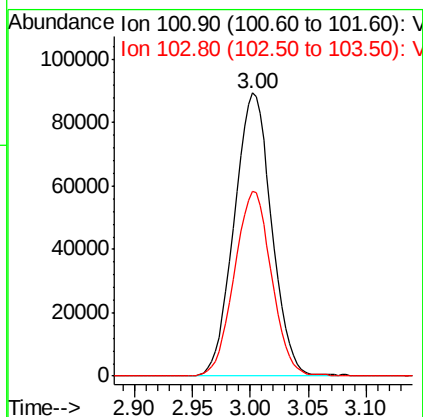
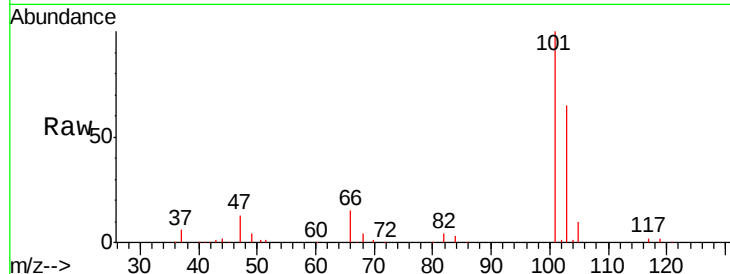


#7

Trichlorofluoromethane
Concen: 35.451 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Instrument :
MSVOA_N
ClientSampleId :
MW201D-20190912DL

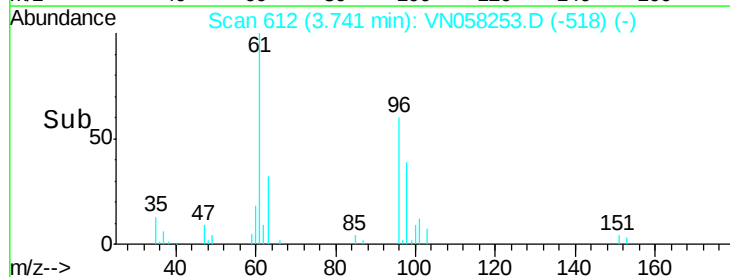
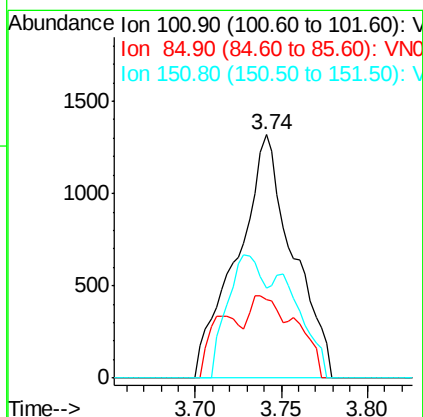
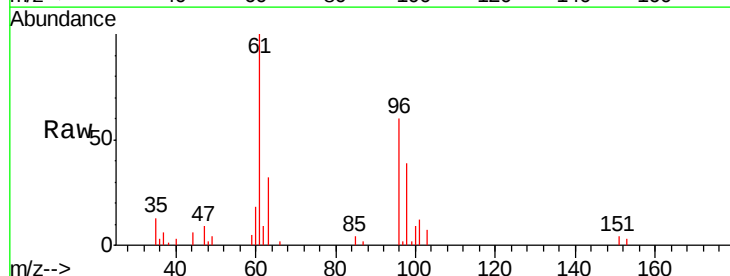
Tgt Ion:101 Resp: 200128
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6

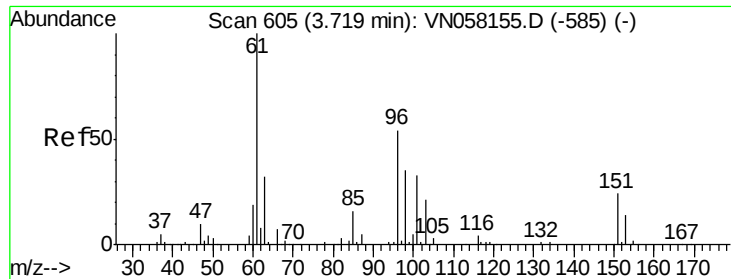


#9

1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Tgt Ion:101 Resp: 2974
Ion Ratio Lower Upper
101 100
85 27.8 37.3 55.9#
151 32.8 59.6 89.4#





#12

1,1-Dichloroethene

Concen: 12.006 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

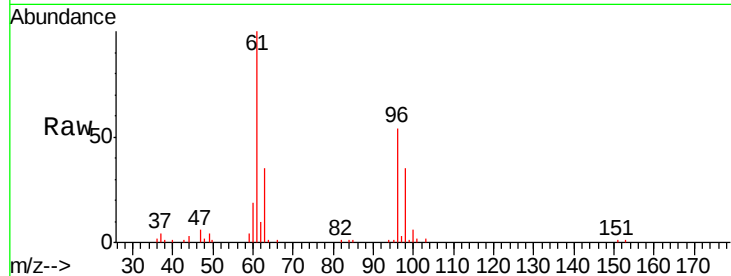
Tgt Ion: 96 Resp: 37918

Ion Ratio Lower Upper

96 100

61 185.6 149.5 224.3

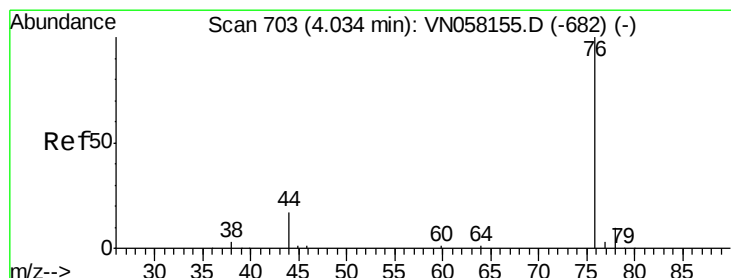
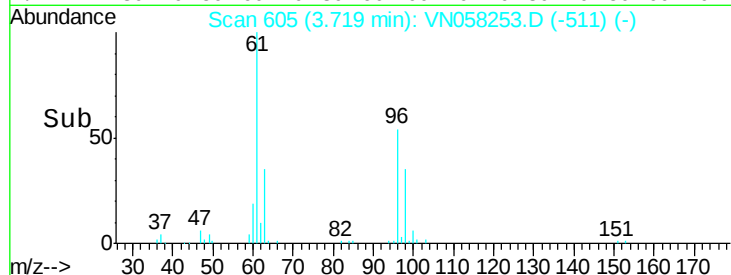
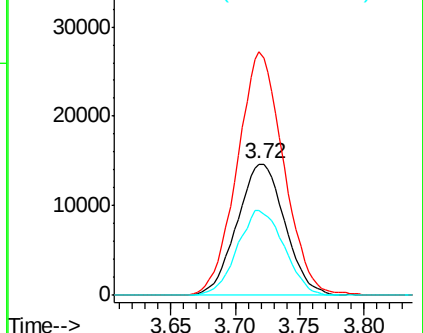
98 64.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#17

Carbon Disulfide

Concen: 0.359 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058253.D

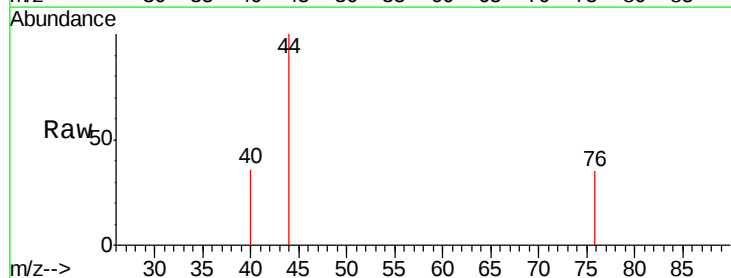
Acq: 20 Sep 2019 16:19

Tgt Ion: 76 Resp: 387

Ion Ratio Lower Upper

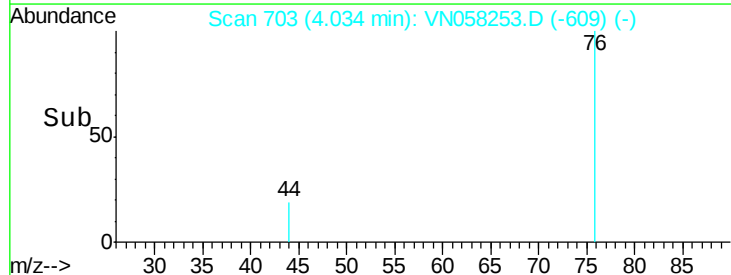
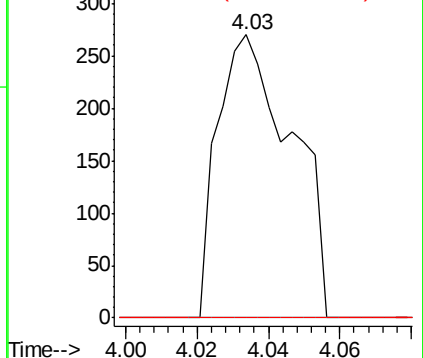
76 100

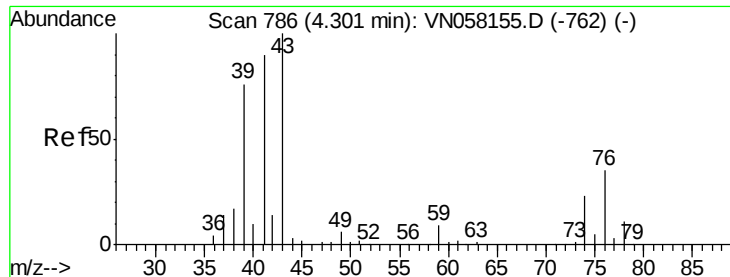
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

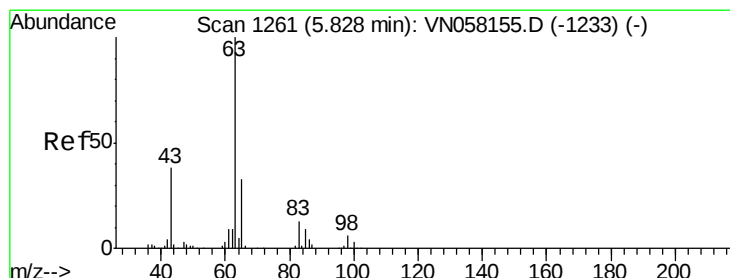
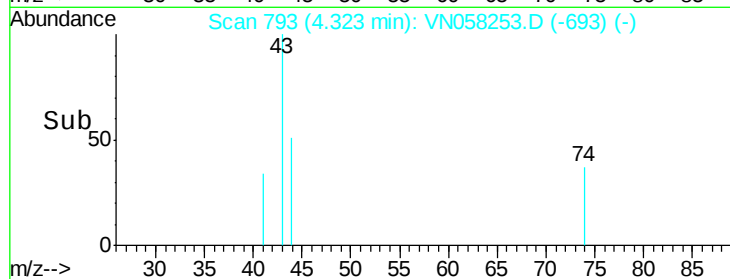
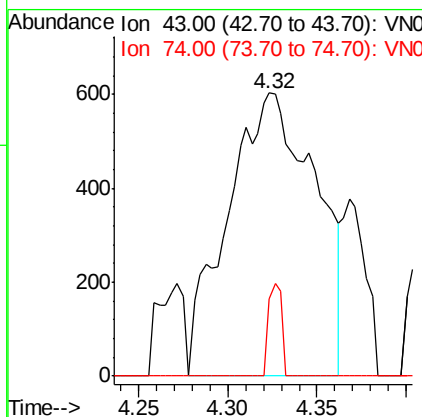
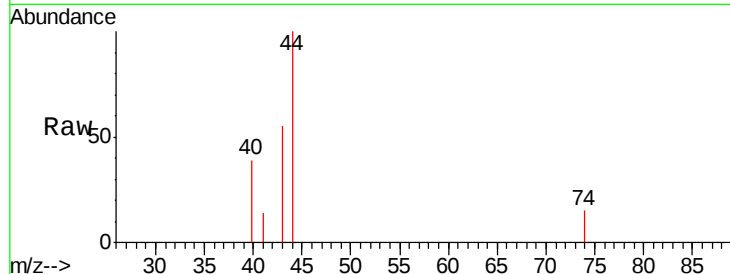




#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.02 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

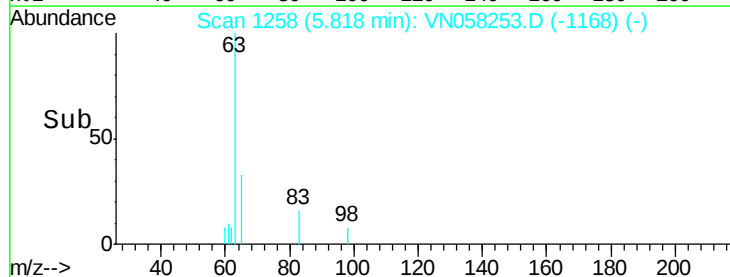
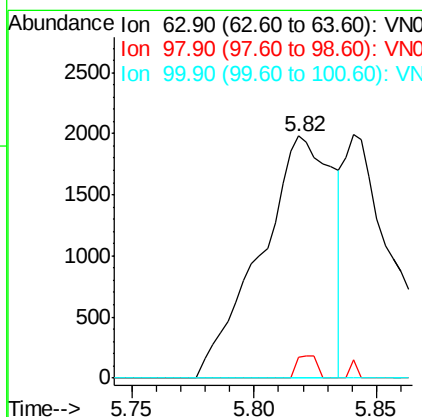
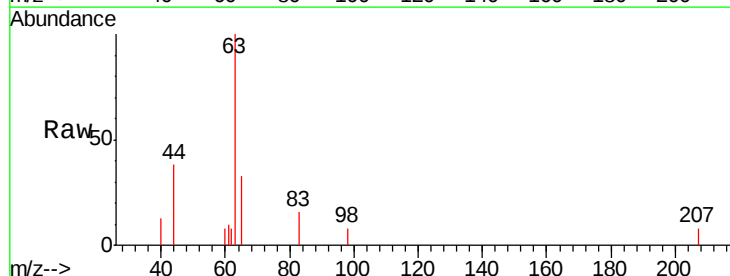
Instrument :
MSVOA_N
ClientSampleId :
MW201D-20190912DL

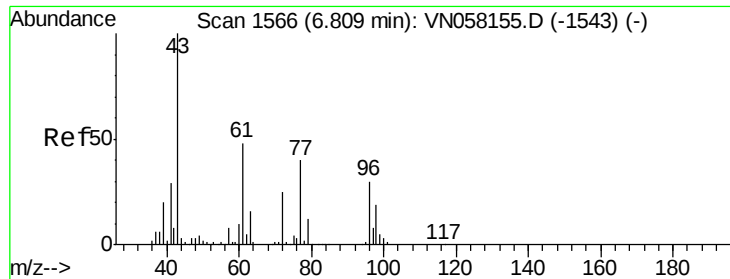
Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
74 5.0 18.0 27.0#



#24
1,1-Dichloroethane
Concen: 0.455 ug/l
RT: 5.82 min Scan# 1258
Delta R.T. -0.01 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Tgt Ion: 63 Resp: 4111
Ion Ratio Lower Upper
63 100
98 8.4 2.9 8.6
100 0.0 1.8 5.3#

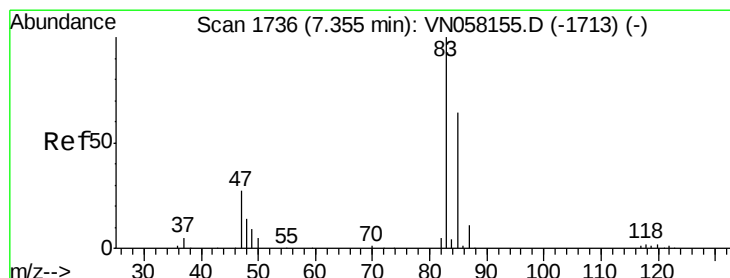
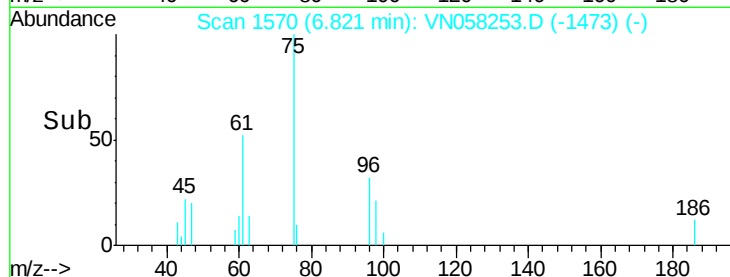
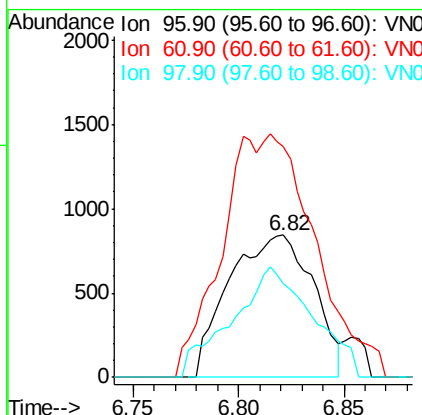
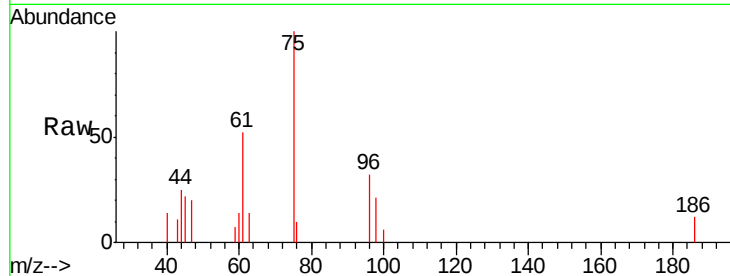




#27
 cis-1,2-Dichloroethene
 Concen: 0.459 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

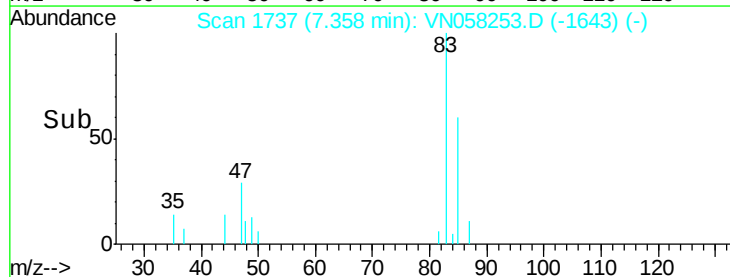
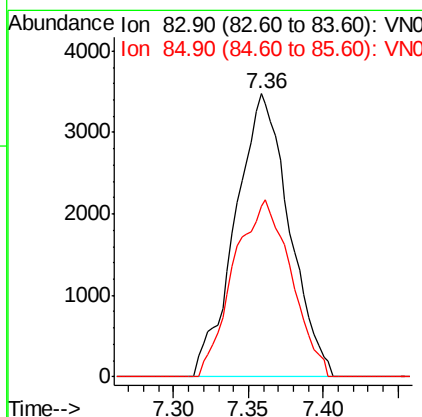
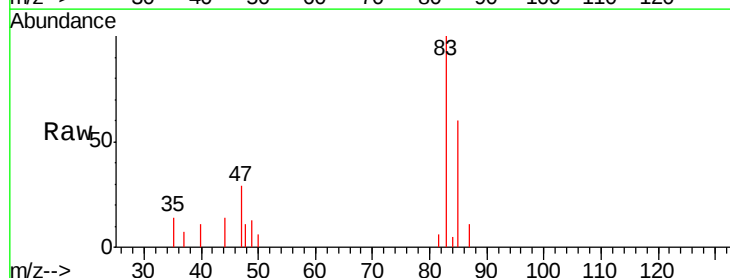
Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20190912DL

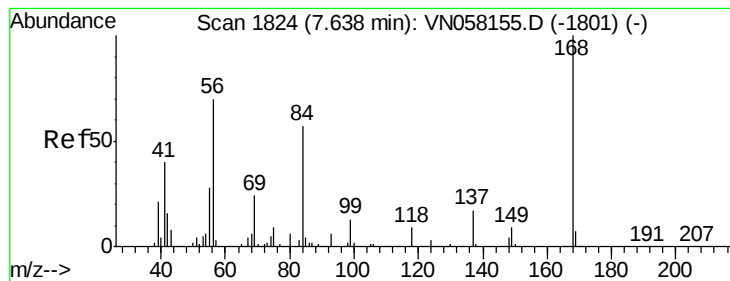
Tgt Ion: 96 Resp: 2345
 Ion Ratio Lower Upper
 96 100
 61 77.5 0.0 319.0
 98 74.2 0.0 126.6



#30
 Chloroform
 Concen: 0.895 ug/l
 RT: 7.36 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

Tgt Ion: 83 Resp: 8697
 Ion Ratio Lower Upper
 83 100
 85 60.4 51.4 77.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

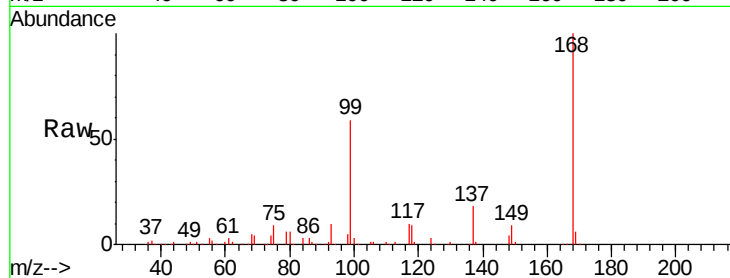
Tgt Ion: 56 Resp: 12381

Ion Ratio Lower Upper

56 100

69 161.8 27.3 40.9#

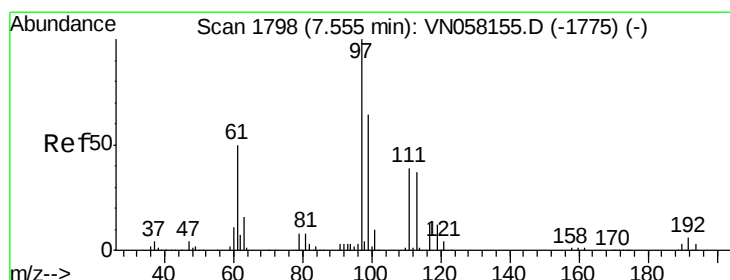
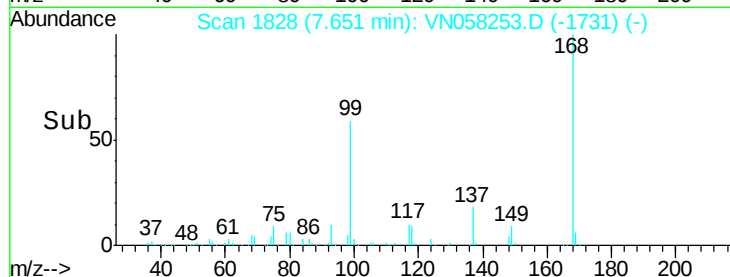
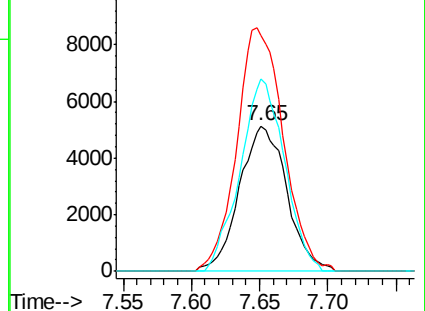
84 131.7 65.0 97.4#



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



#32

1,1,1-Trichloroethane

Concen: 1.457 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

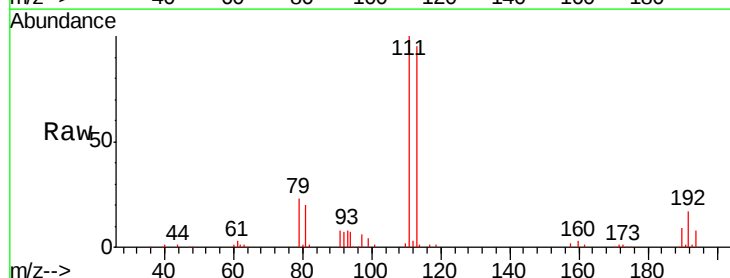
Tgt Ion: 97 Resp: 10784

Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

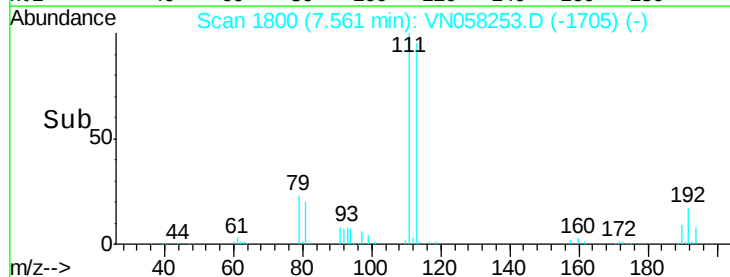
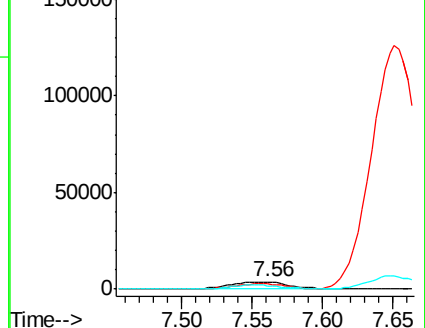
61 51.2 39.2 58.8

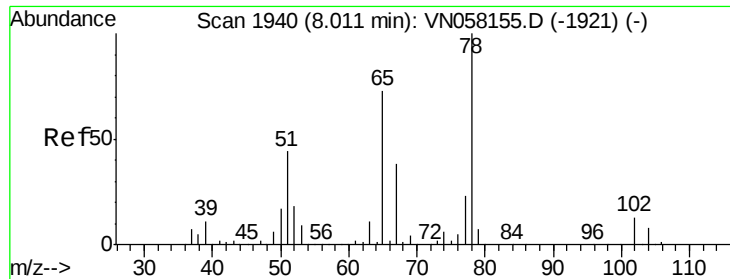


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

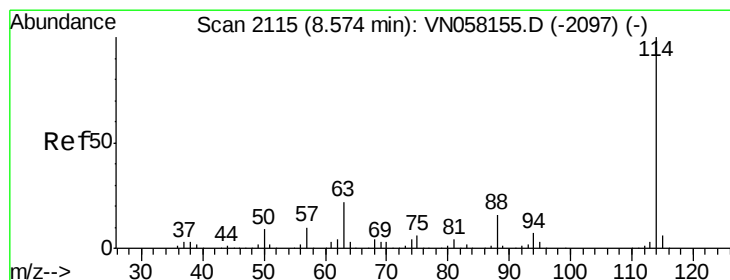
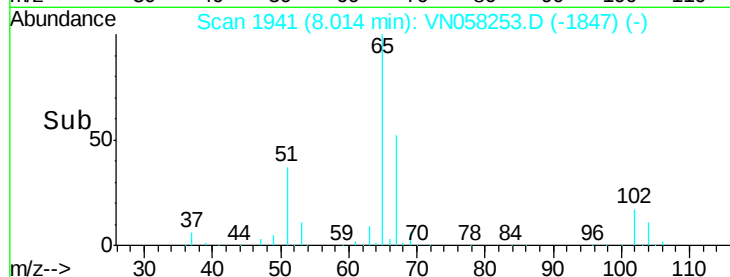
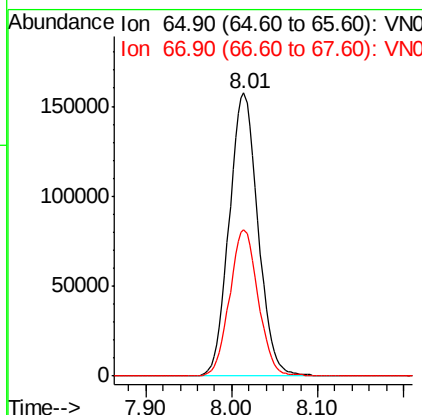
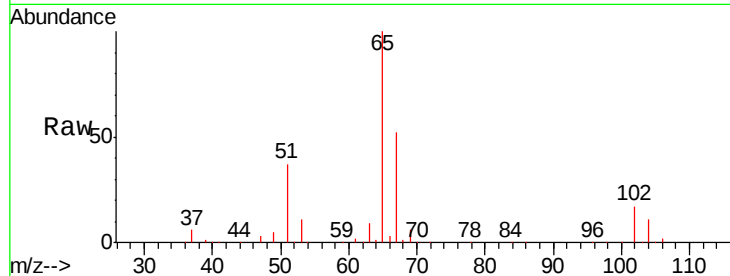




#33
 1,2-Dichloroethane-d4
 Concen: 52.277 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

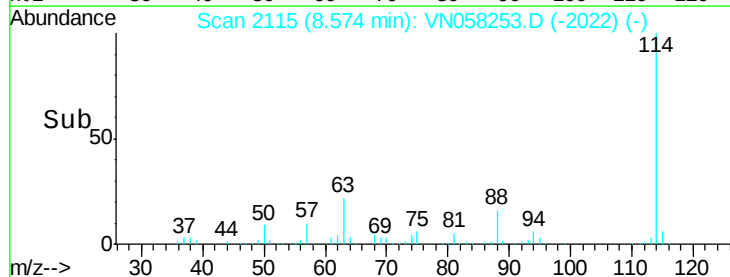
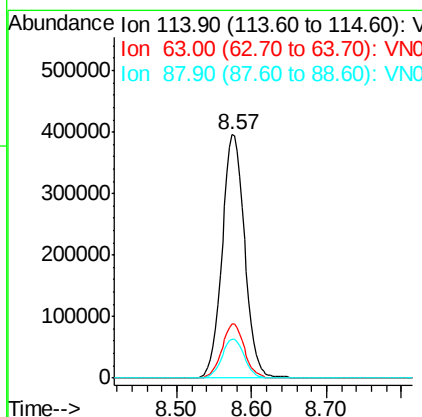
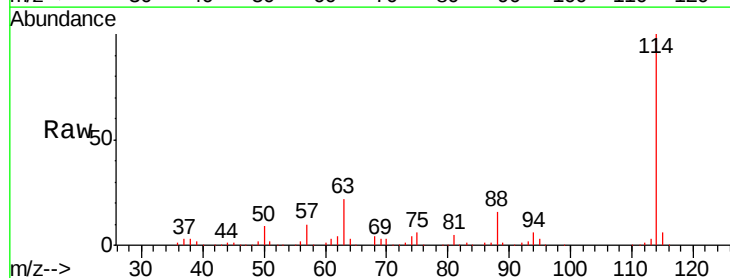
Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20190912DL

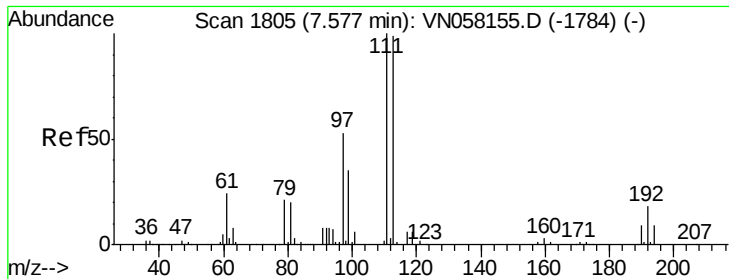
Tgt Ion: 65 Resp: 366571
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

Tgt Ion: 114 Resp: 824320
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 15.9 0.0 31.6

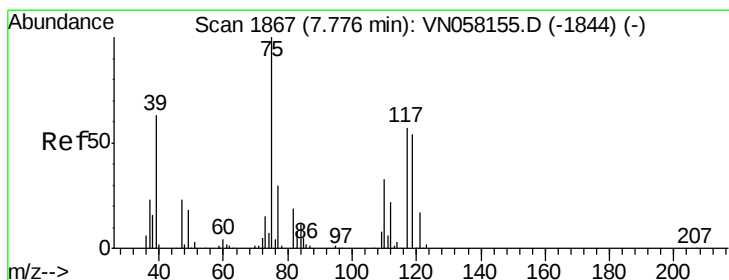
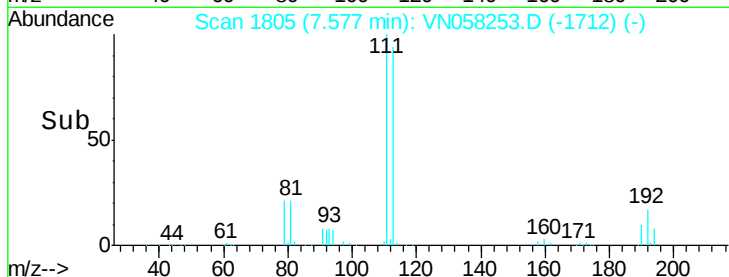
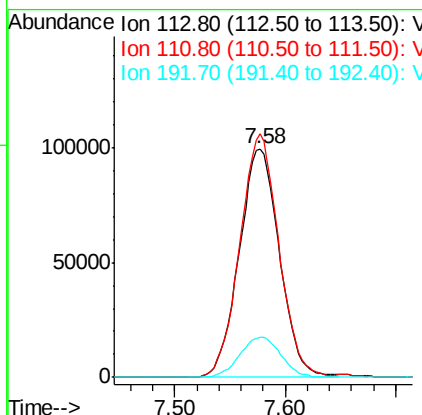
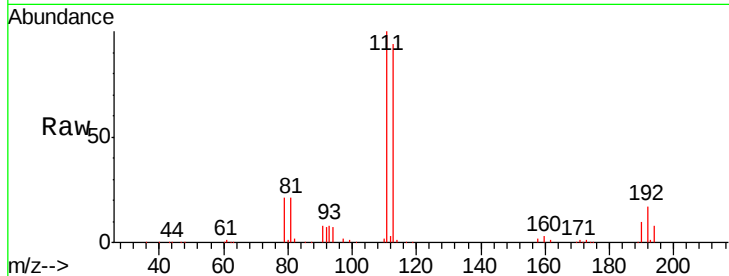




#35
 Dibromofluoromethane
 Concen: 50.244 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

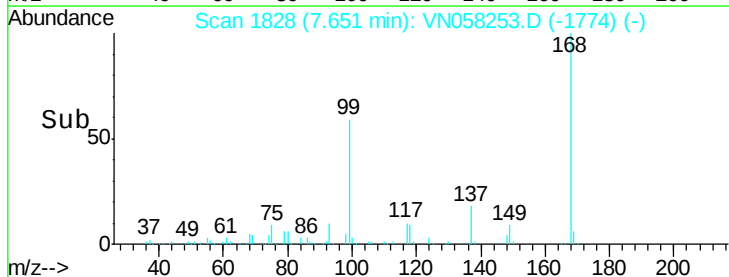
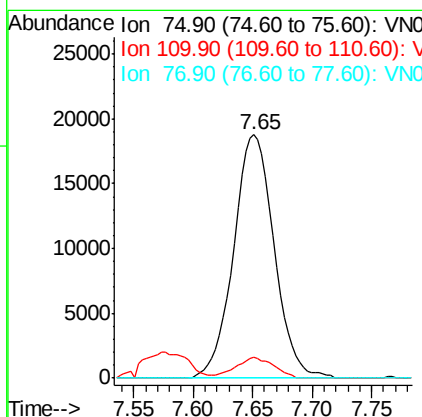
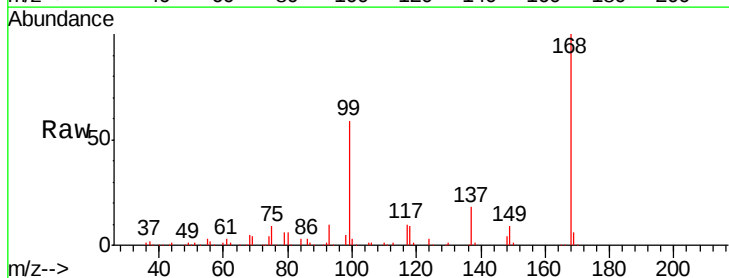
Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20190912DL

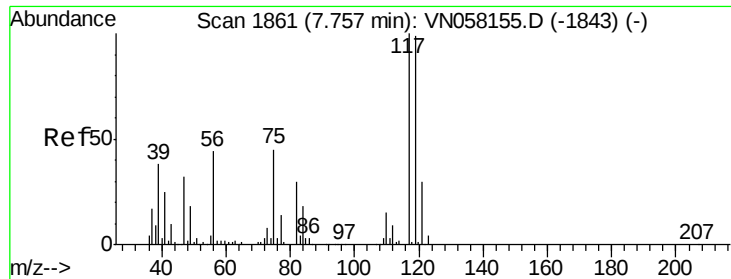
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	251782		
111	103.0		81.8	122.6
192	18.0		14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.447 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058253.D
 Acq: 20 Sep 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44271		
110	8.0		16.6	49.7#
77	0.0		24.3	36.5#





#38

Carbon Tetrachloride

Concen: 8.556 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

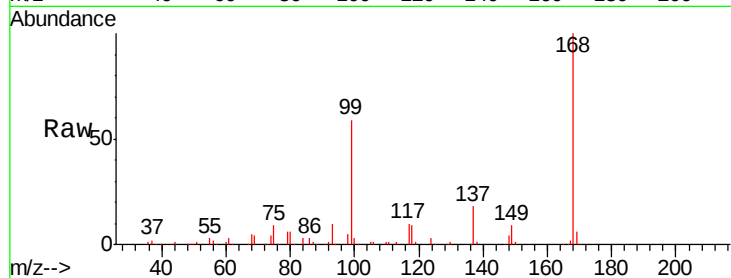
Tgt Ion:117 Resp: 51125

Ion Ratio Lower Upper

117 100

119 5.1 78.6 117.8#

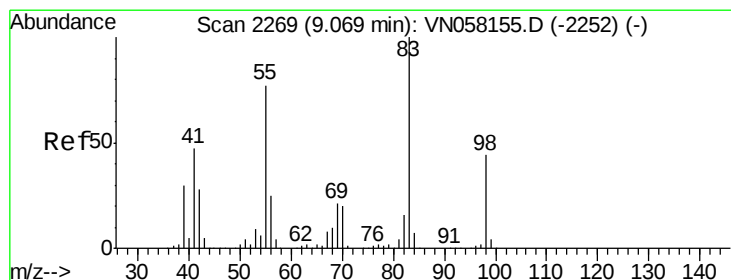
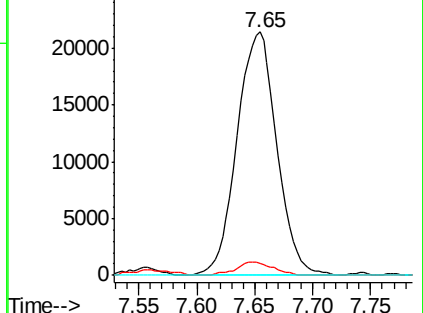
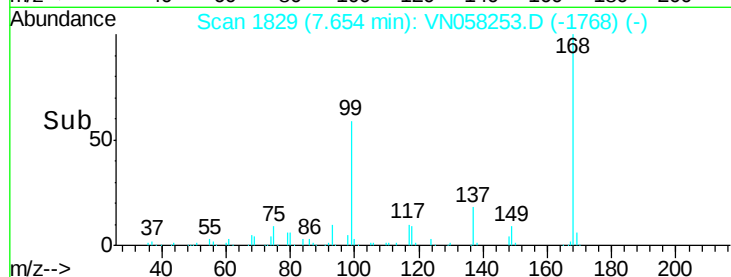
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 0.301 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.24 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

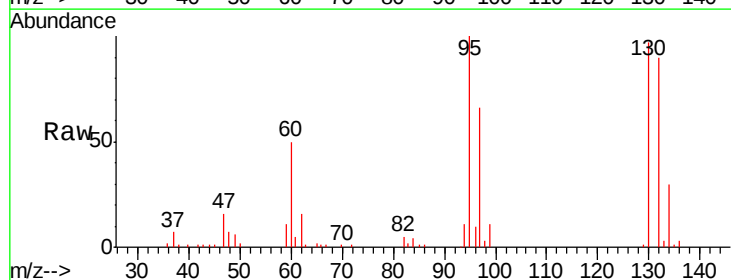
Tgt Ion: 83 Resp: 1322

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

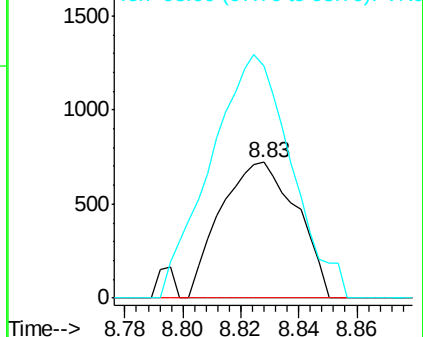
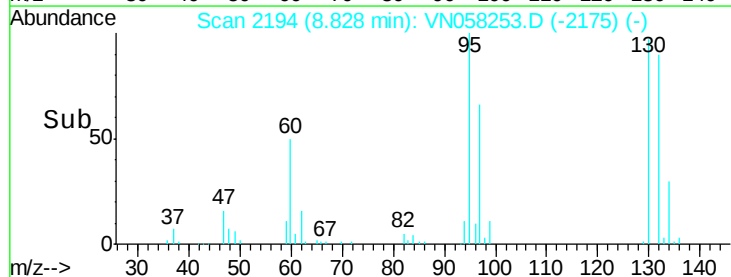
98 145.6 35.4 53.2#

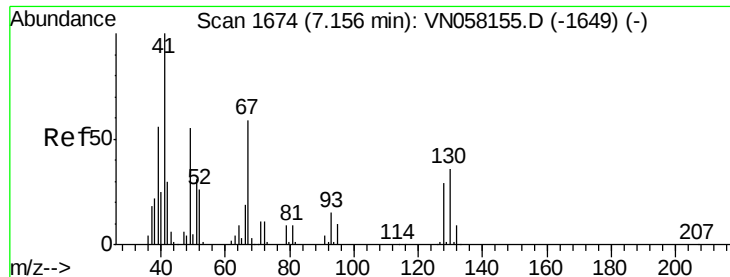


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

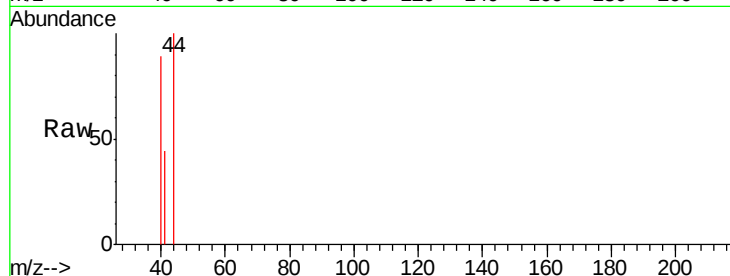




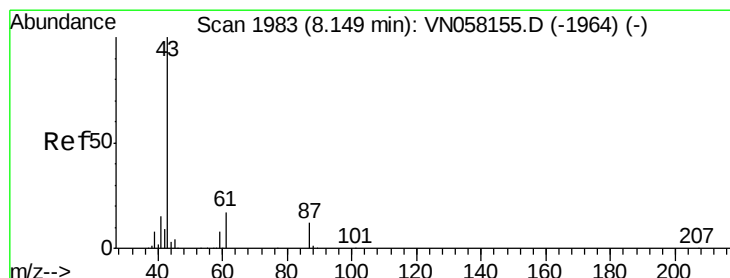
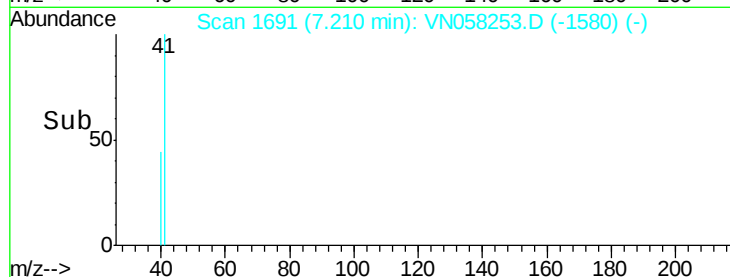
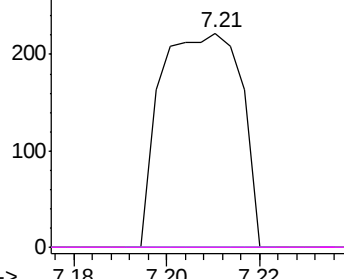
#41
Methacrylonitrile
Concen: 0.996 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.06 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Instrument :
MSVOA_N
ClientSampleId :
MW201D-20190912DL

Tgt Ion:	41	Resp:	269
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

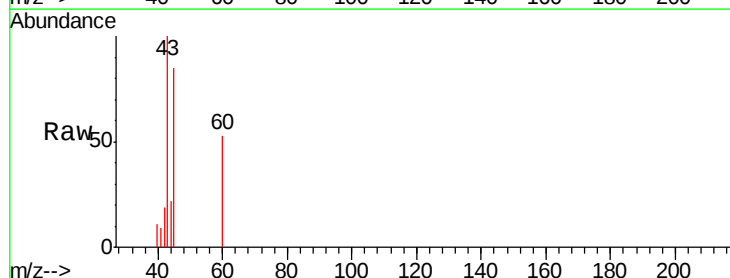


Abundance Ion 41.00 (40.70 to 41.70): VN0

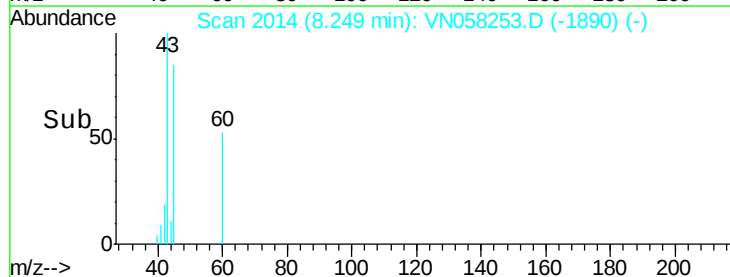
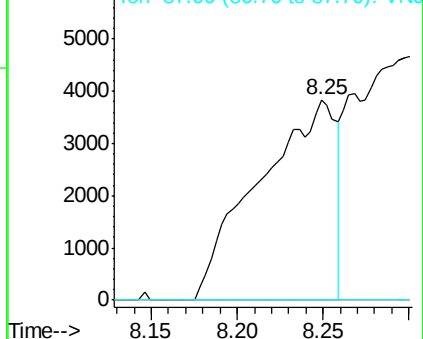


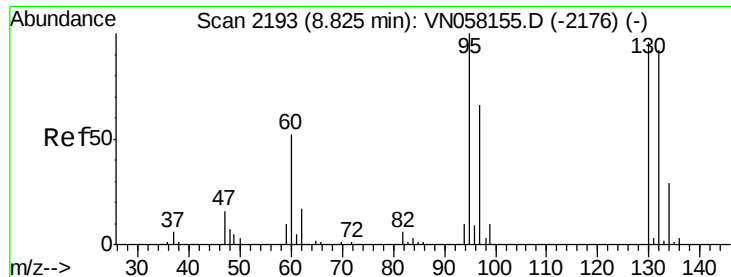
#43
Isopropyl Acetate
Concen: 1.041 ug/l
RT: 8.25 min Scan# 2014
Delta R.T. 0.10 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Tgt Ion:	43	Resp:	11990
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): VN0





#44

Trichloroethene

Concen: 19.541 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

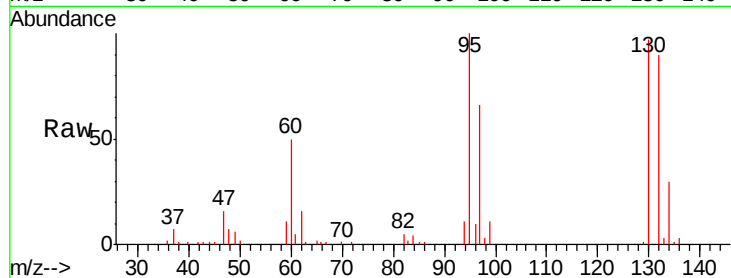
MW201D-20190912DL

Tgt Ion:130 Resp: 86825

Ion Ratio Lower Upper

130 100

95 103.2 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

8.83

50000

40000

30000

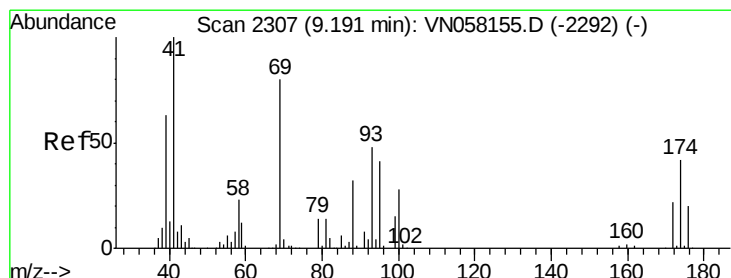
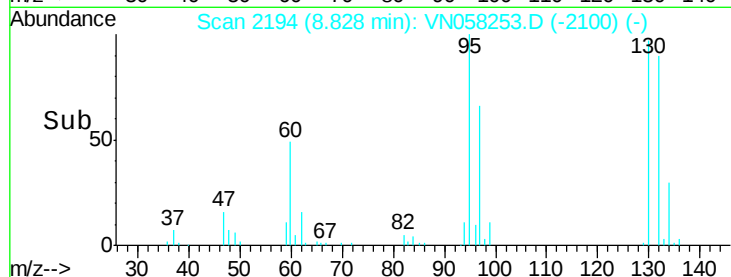
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#49

1,4-Dioxane

Concen: 0.710 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.01 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

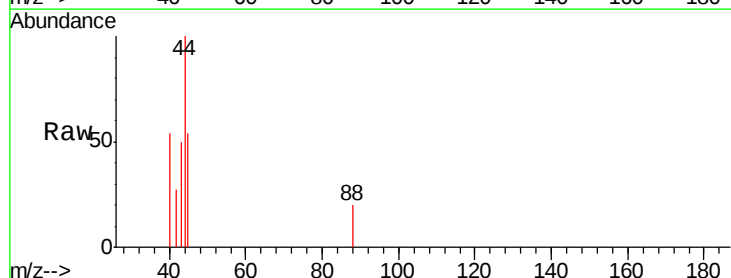
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 211.5 27.8 41.8#

58 0.0 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VN058155.D (-2292) (-)

Ion 43.00 (42.70 to 43.70): VN058155.D (-2292) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-2292) (-)

600

500

400

300

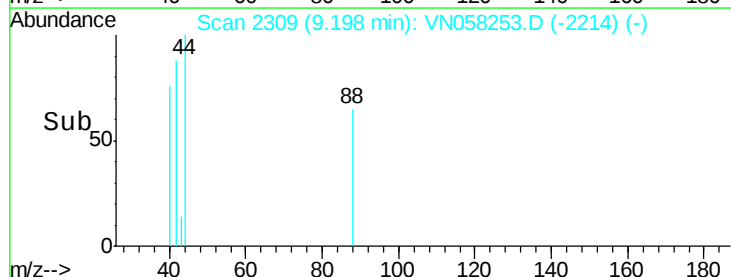
200

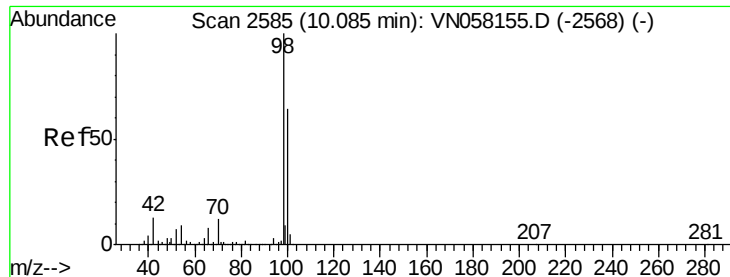
100

0

9.19 9.20 9.20

Time-->





#50

Toluene-d8

Concen: 53.090 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

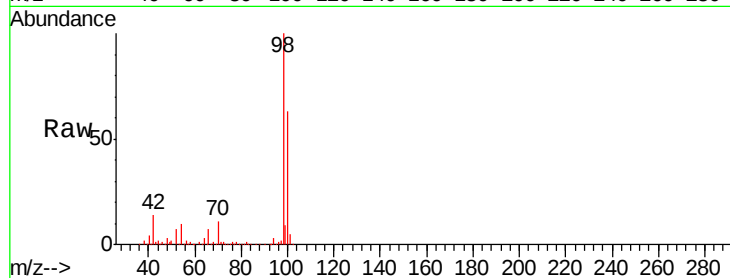
MW201D-20190912DL

Tgt Ion: 98 Resp: 1036560

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058155.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058155.D (-2568) (-)

10.08

600000

500000

400000

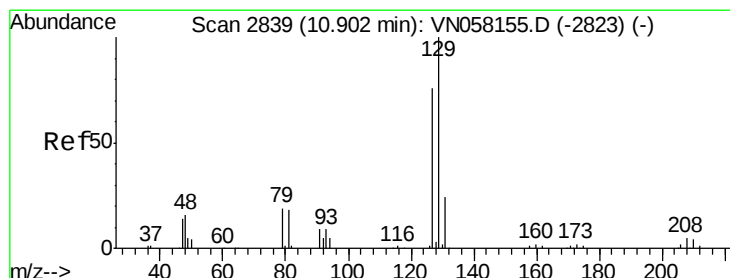
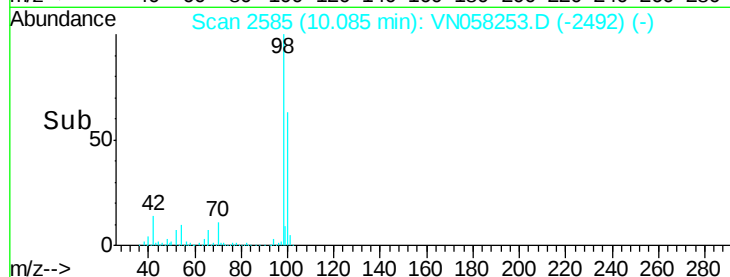
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 16.521 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN058253.D

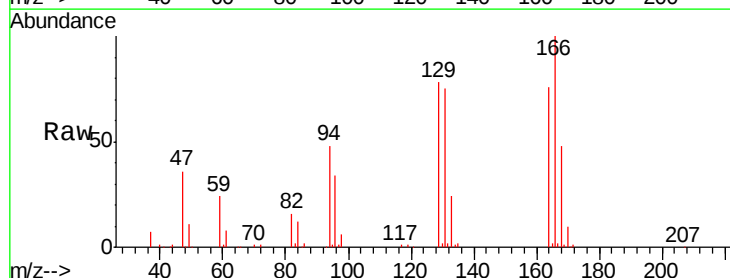
Acq: 20 Sep 2019 16:19

Tgt Ion: 129 Resp: 80263

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): VN058155.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN058155.D (-2823) (-)

10.63

50000

40000

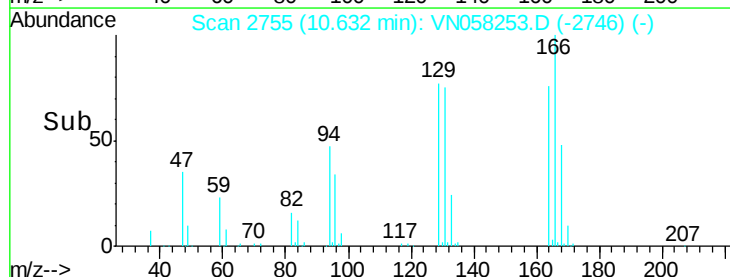
30000

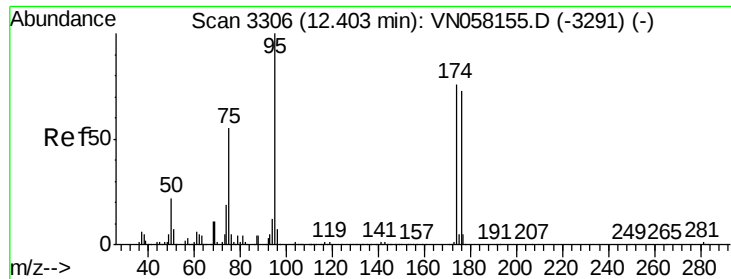
20000

10000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.792 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

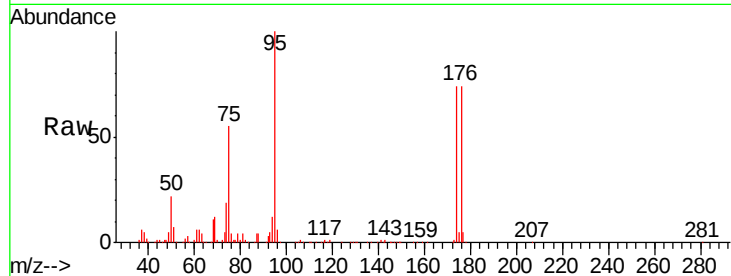
Tgt Ion: 95 Resp: 332113

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.2

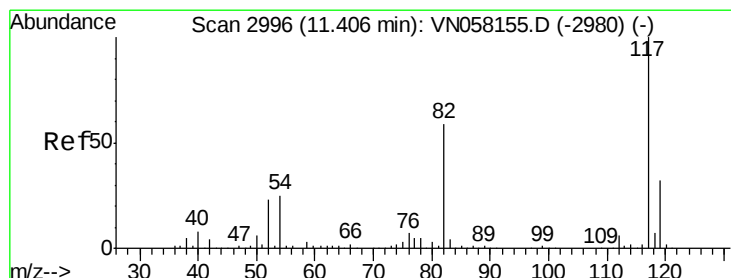
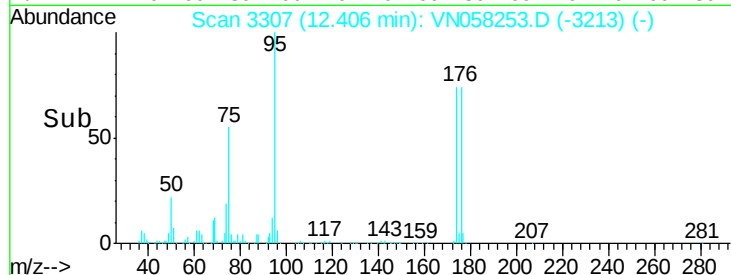
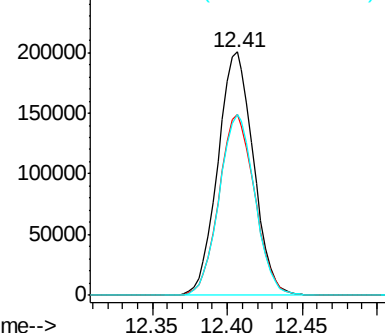
176 74.6 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

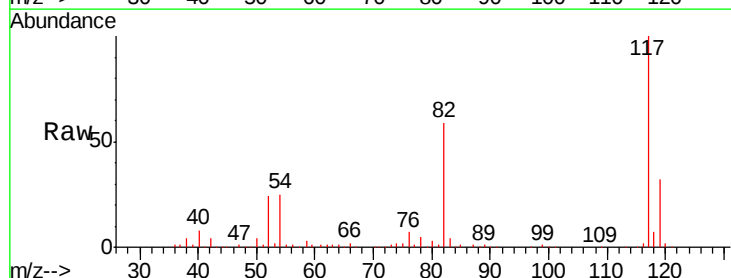
Tgt Ion: 117 Resp: 710545

Ion Ratio Lower Upper

117 100

82 59.3 46.9 70.3

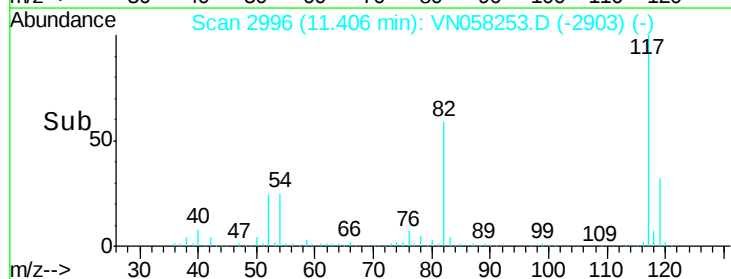
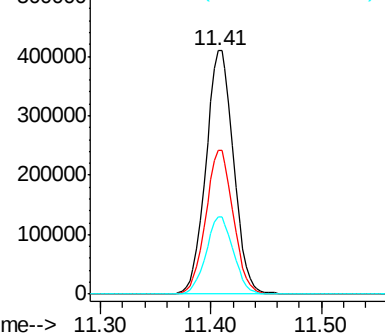
119 31.9 25.3 37.9

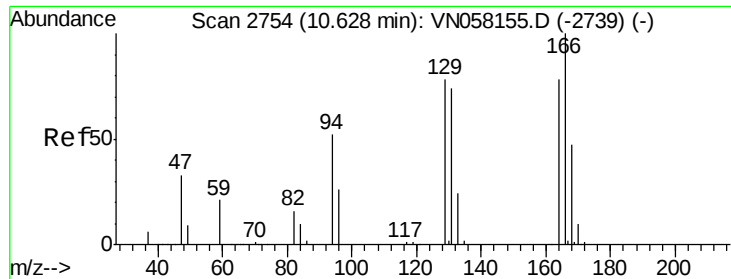


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

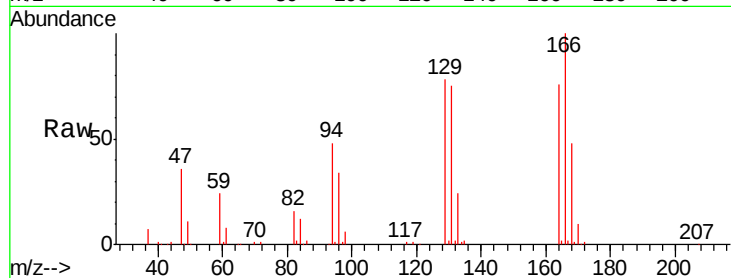




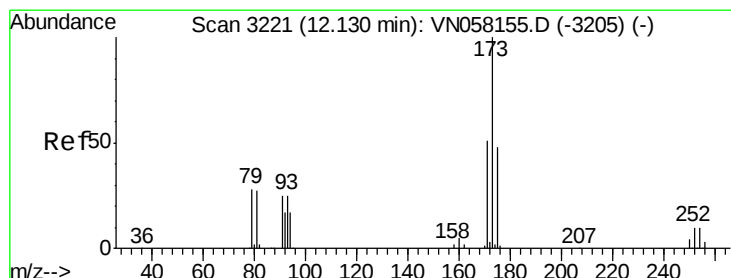
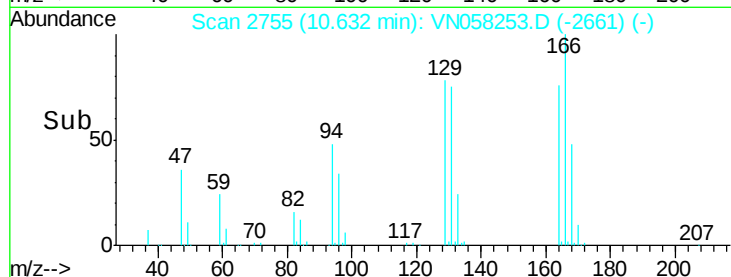
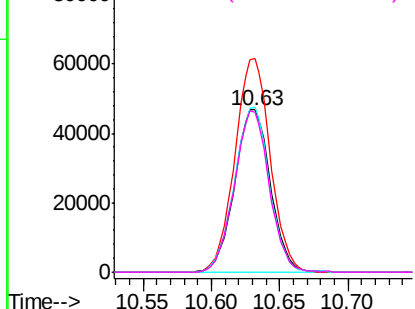
#64
Tetrachloroethene
Concen: 24.715 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Instrument :
MSVOA_N
ClientSampleId :
MW201D-20190912DL

Tgt Ion:164 Resp: 85606
Ion Ratio Lower Upper
164 100
166 131.4 102.2 153.4
129 102.0 79.6 119.4
131 98.6 76.0 114.0

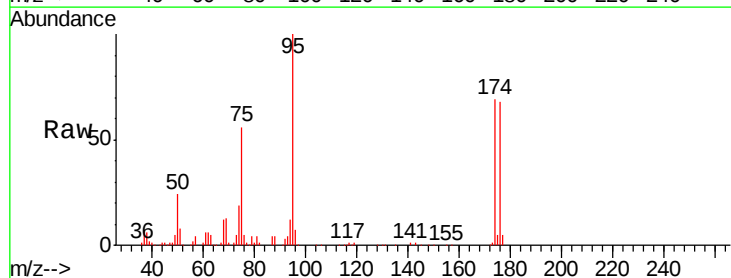


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

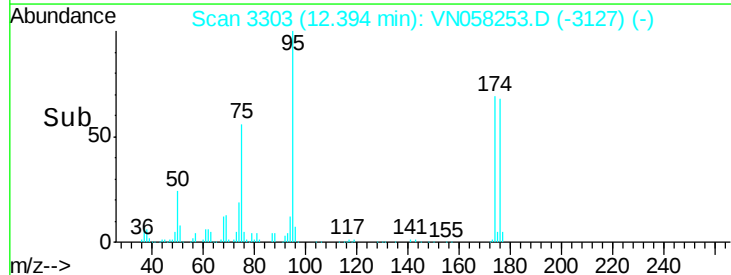
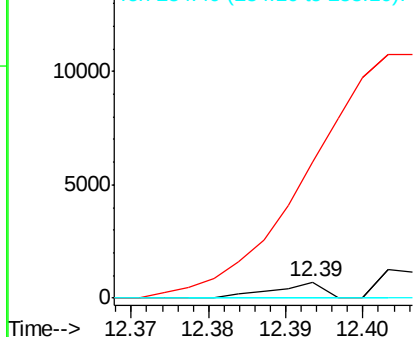


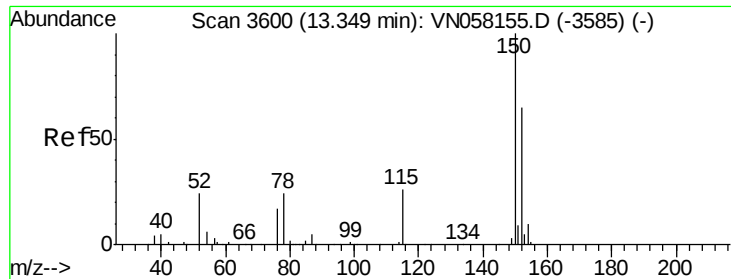
#71
Bromoform
Concen: 3.683 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN058253.D
Acq: 20 Sep 2019 16:19

Tgt Ion:173 Resp: 318
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: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

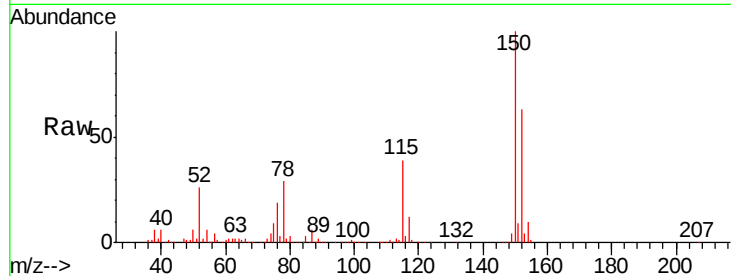
Tgt Ion: 152 Resp: 292319

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.3

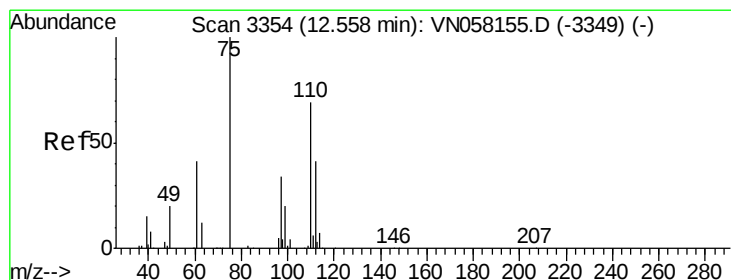
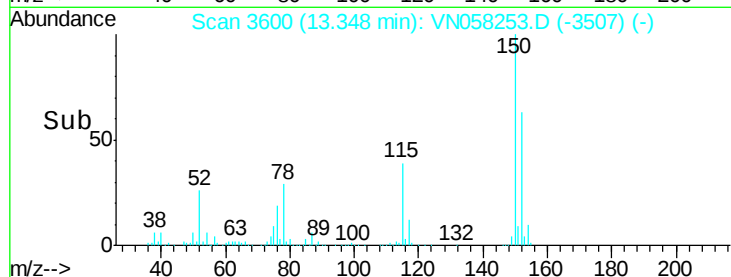
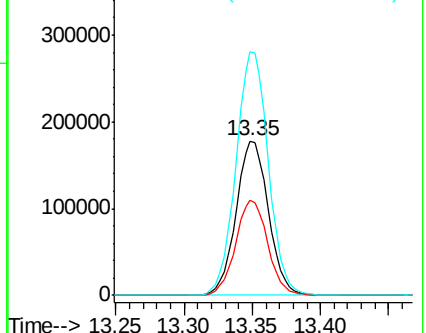
150 157.8 0.0 346.4



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: 35.198 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058253.D

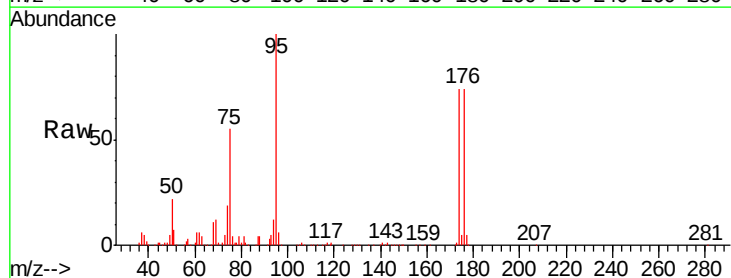
Acq: 20 Sep 2019 16:19

Tgt Ion: 75 Resp: 184139

Ion Ratio Lower Upper

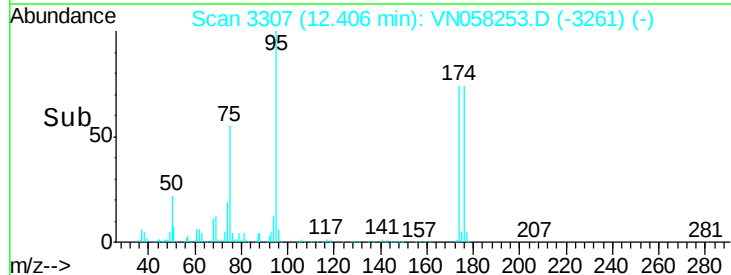
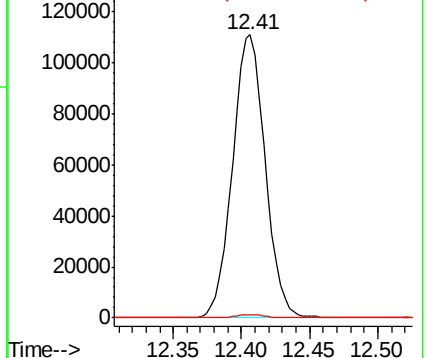
75 100

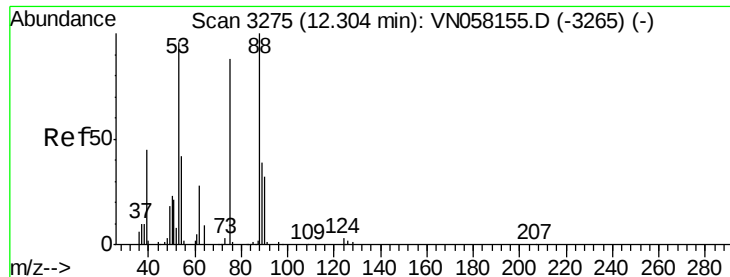
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.427 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20190912DL

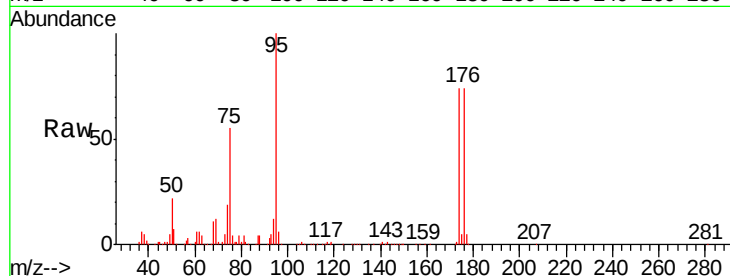
Tgt Ion: 75 Resp: 184139

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

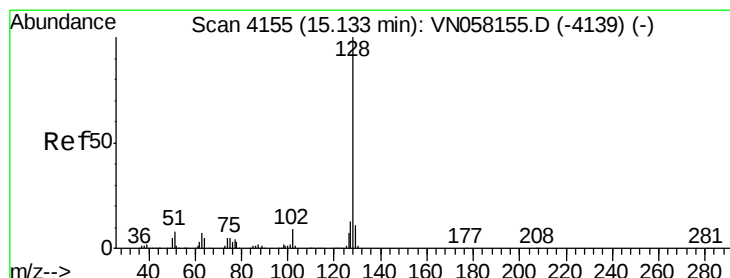
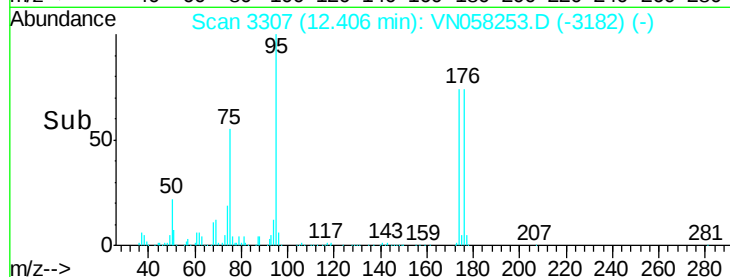
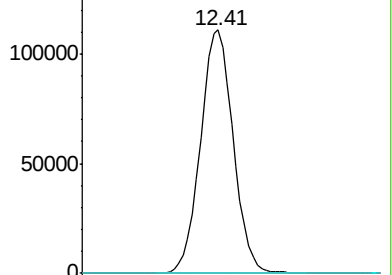
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN058253.D (-3307) (-)

Ion 53.00 (52.70 to 53.70): VN058253.D (-3307) (-)

Ion 88.90 (88.60 to 89.60): VN058253.D (-3307) (-)



#95

Naphthalene

Concen: 0.273 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058253.D

Acq: 20 Sep 2019 16:19

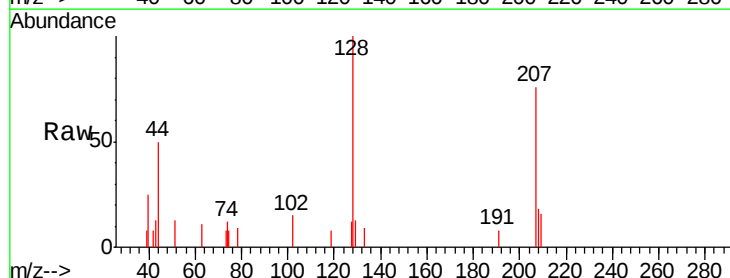
Tgt Ion: 128 Resp: 3814

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

129 9.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN058253.D (-4157) (-)

Ion 127.00 (126.70 to 127.70): VN058253.D (-4157) (-)

Ion 129.00 (128.70 to 129.70): VN058253.D (-4157) (-)

