

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057912.D
 Acq On : 11 Sep 2019 10:18
 Operator : JC/SP
 Sample : K4643-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-B4-(4)

Quant Time: Sep 12 01:31:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	304815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	507975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	333922	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
35) Dibromofluoromethane	7.58	113	222800	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	915739	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.41	95	307729	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	

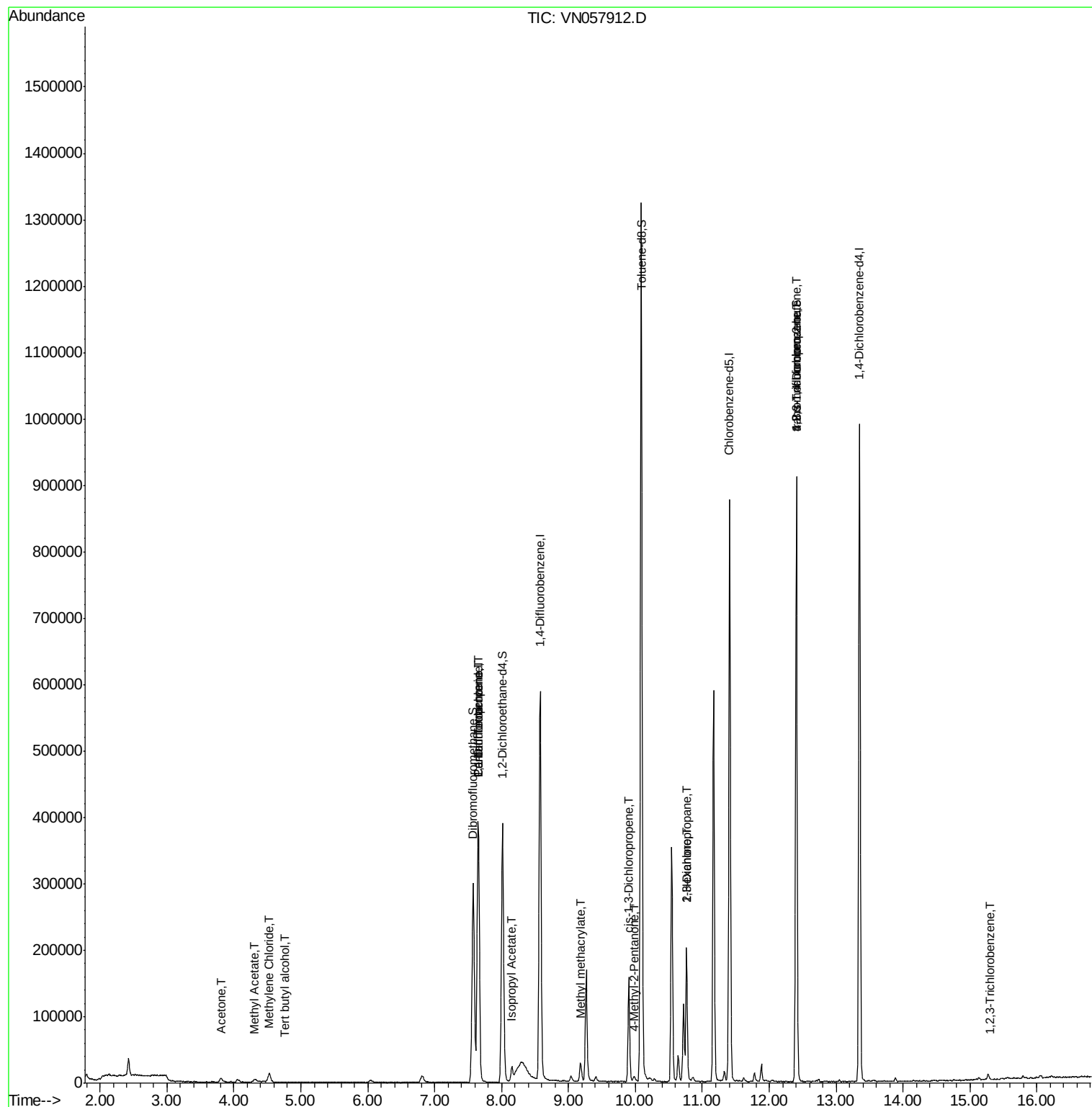
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	217	Below Cal	#	2
11) Tert butyl alcohol	4.75	59	179	0.240	ug/l #	72
16) Acetone	3.81	43	10819	5.346	ug/l	93
18) Methyl Acetate	4.31	43	3200	0.593	ug/l #	74
20) Methylene Chloride	4.53	84	8794	1.078	ug/l #	94
31) Cyclohexane	7.65	56	8696	Below Cal	#	38
36) 1,1-Dichloropropene	7.65	75	26755	4.542	ug/l #	52
38) Carbon Tetrachloride	7.65	117	30939	5.752	ug/l #	15
43) Isopropyl Acetate	8.16	43	30504	2.980	ug/l #	89
48) Methyl methacrylate	9.18	41	3636	0.700	ug/l #	36
51) 4-Methyl-2-Pentanone	9.98	43	4672	0.771	ug/l #	88
54) cis-1,3-Dichloropropene	9.90	75	27256	3.764	ug/l #	66
57) 1,3-Dichloropropane	10.77	76	2062	0.253	ug/l #	43
59) 2-Hexanone	10.76	43	30583	6.736	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	169378	30.320	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169378	106.696	ug/l #	6
95) Naphthalene	15.14	128	2671	Below Cal	#	90
96) 1,2,3-Trichlorobenzene	15.31	180	198	1.037	ug/l #	12

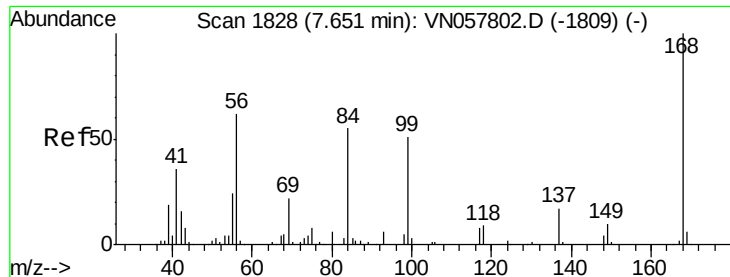
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057912.D
Acq On : 11 Sep 2019 10:18
Operator : JC/SP
Sample : K4643-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T11-B4-(4)

Quant Time: Sep 12 01:31:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

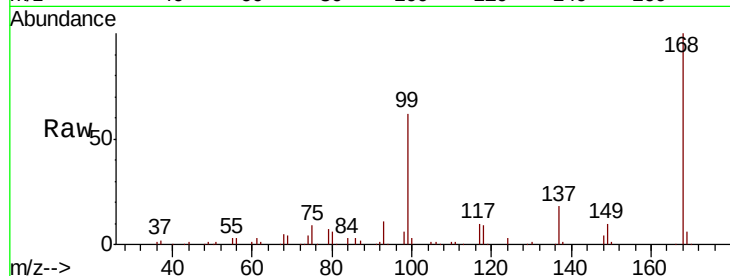
T11-B4-(4)

Tgt Ion:168 Resp: 304815

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

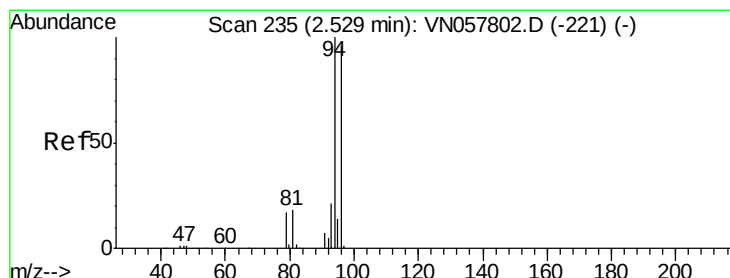
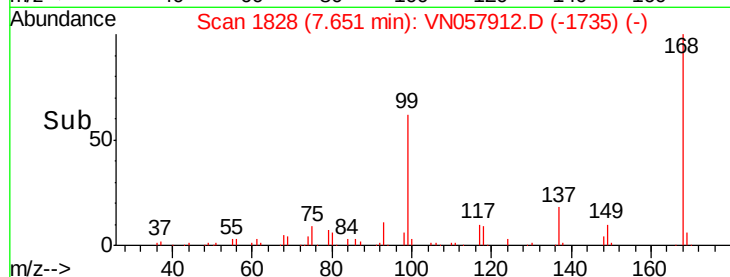
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057912.D

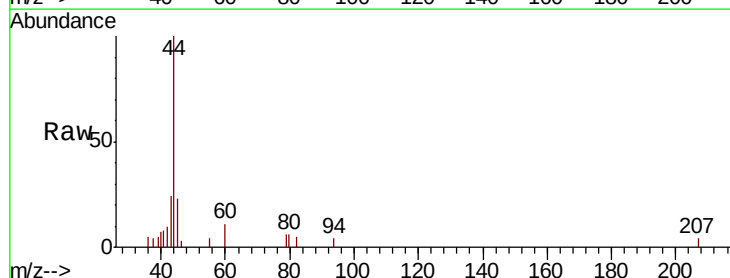
Acq: 11 Sep 2019 10:18

Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

200

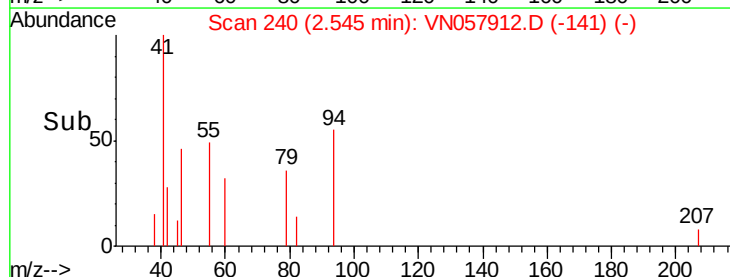
150

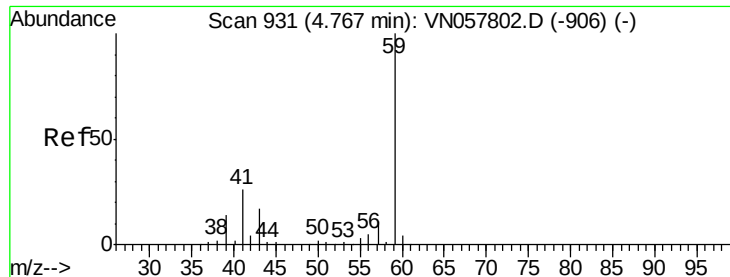
100

50

0

Time-->

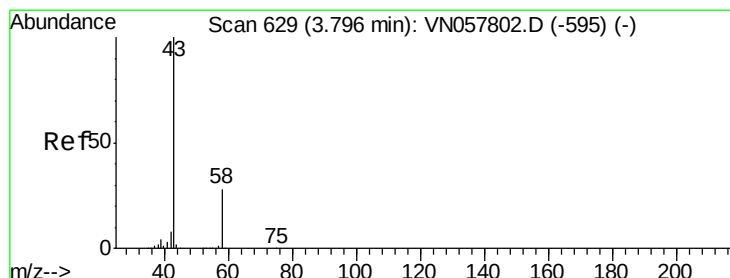
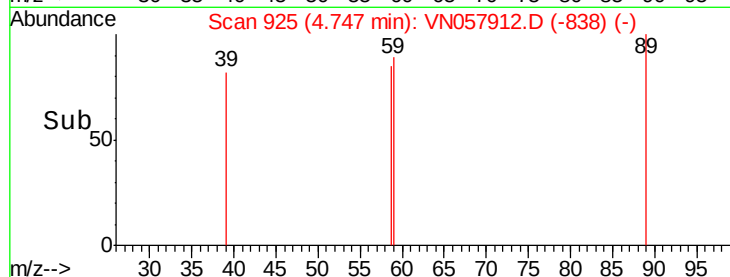
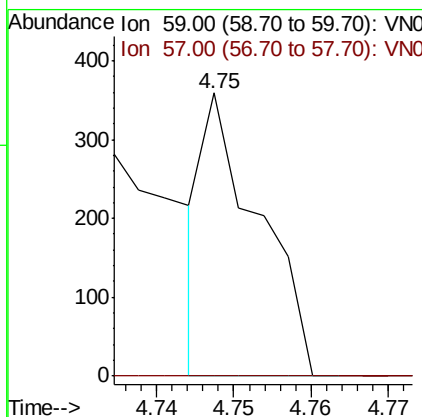
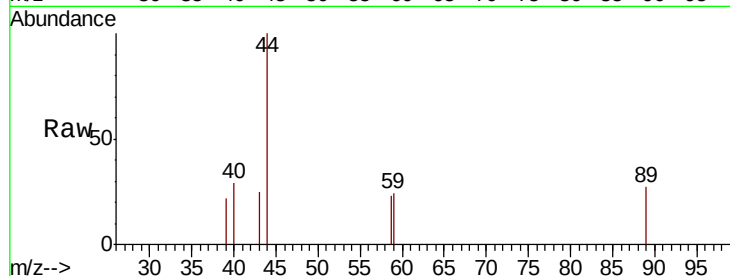




#11
Tert butyl alcohol
Concen: 0.240 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

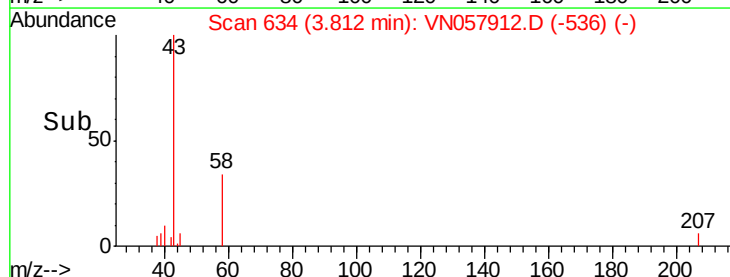
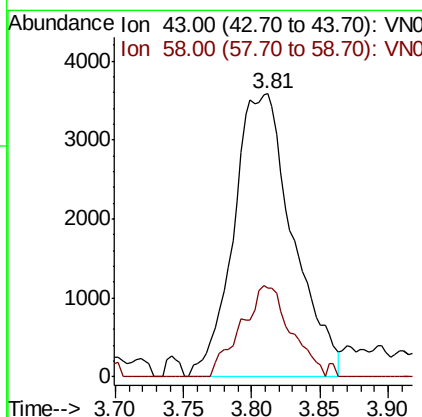
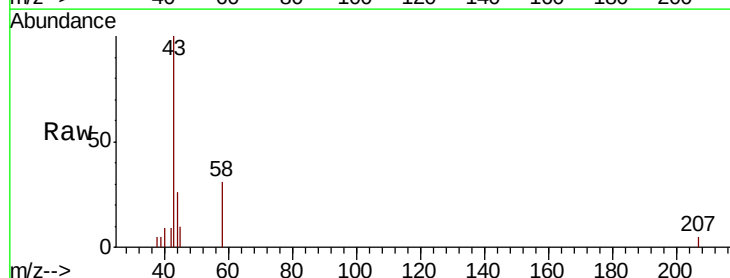
Instrument :
MSVOA_N
ClientSampleId :
T11-B4-(4)

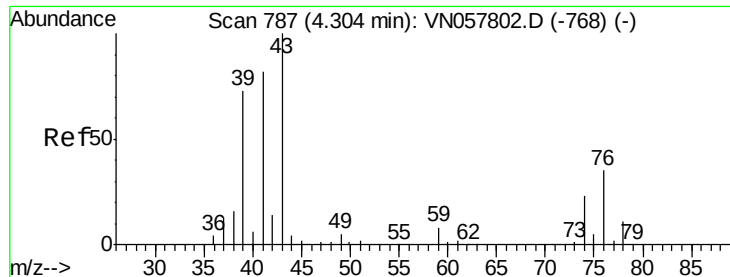
Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 5.346 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.02 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Tgt Ion: 43 Resp: 10819
Ion Ratio Lower Upper
43 100
58 31.4 22.2 33.2

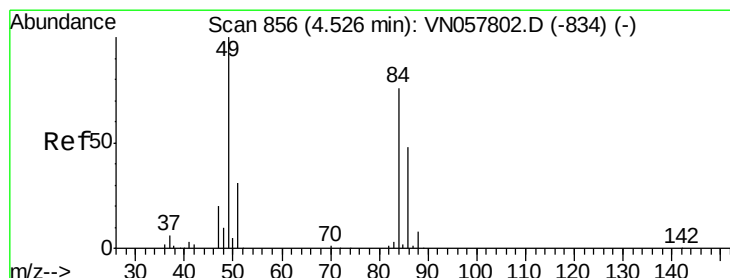
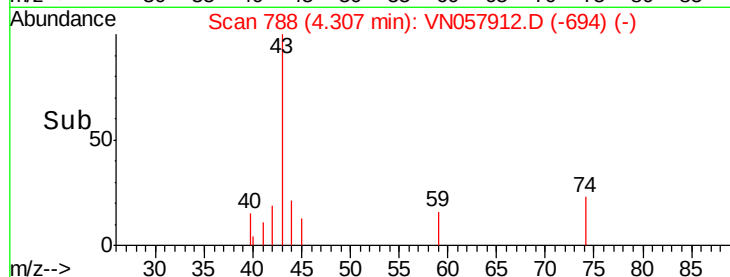
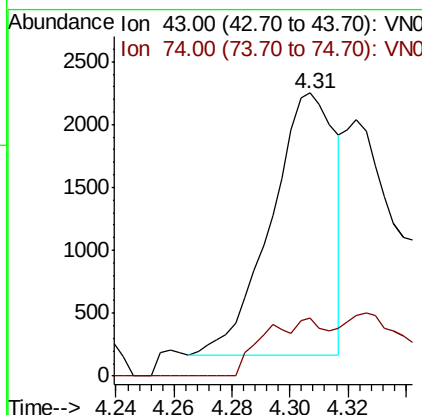
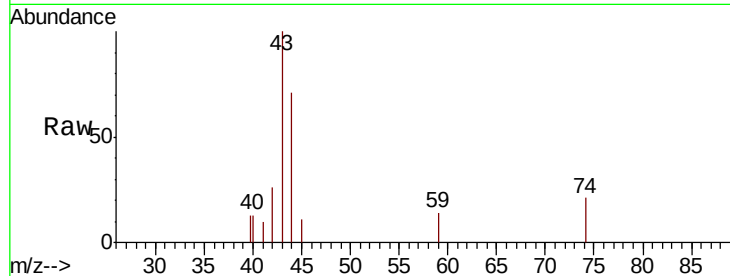




#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

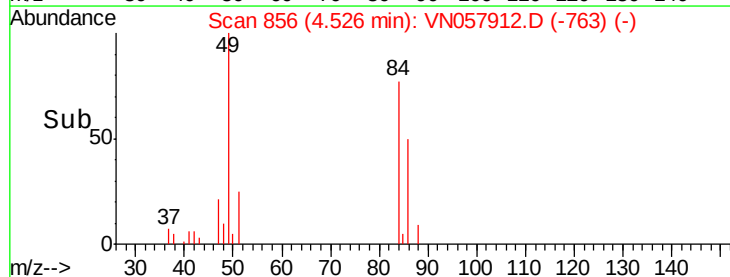
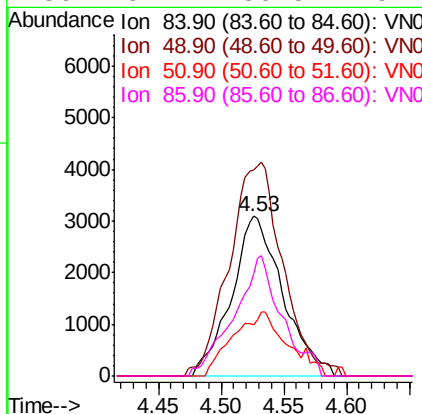
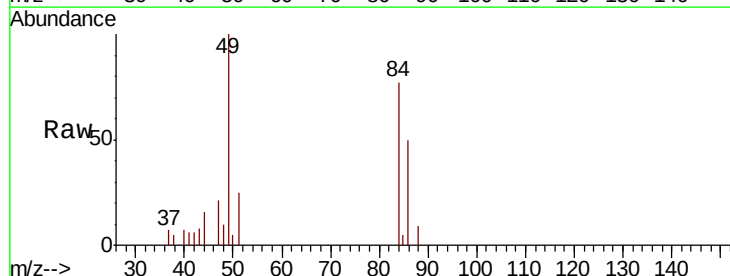
Instrument :
MSVOA_N
ClientSampleId :
T11-B4-(4)

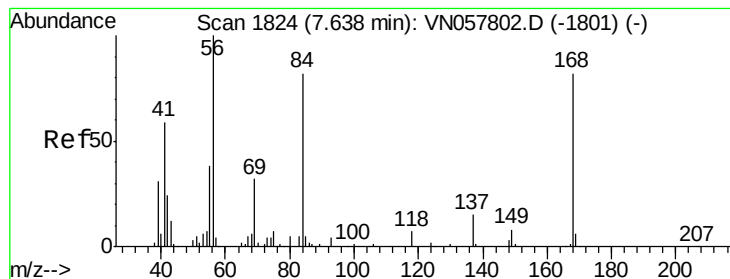
Tgt Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
74 9.9 17.9 26.9#



#20
Methylene Chloride
Concen: 1.078 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Tgt Ion: 84 Resp: 8794
Ion Ratio Lower Upper
84 100
49 124.1 104.8 157.2
51 31.9 33.0 49.4#
86 64.4 50.5 75.7





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampled :

T11-B4-(4)

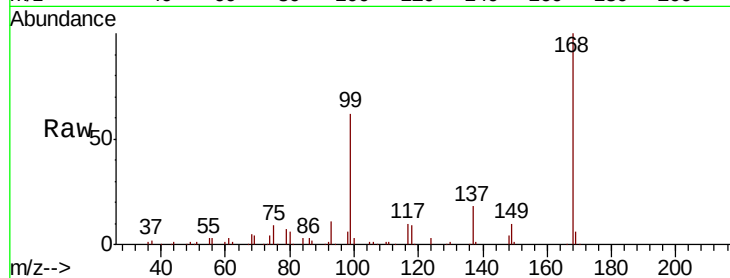
Tgt Ion: 56 Resp: 8696

Ion Ratio Lower Upper

56 100

69 137.9 25.9 38.9#

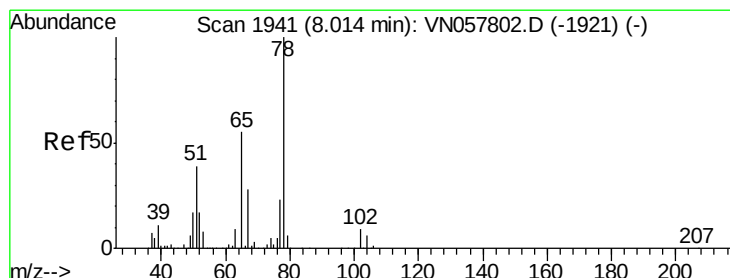
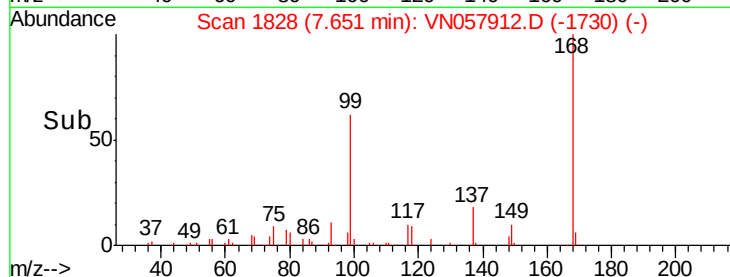
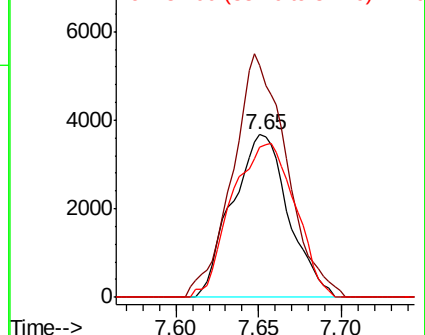
84 92.5 65.6 98.4



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



#33

1,2-Dichloroethane-d4

Concen: 54.087 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057912.D

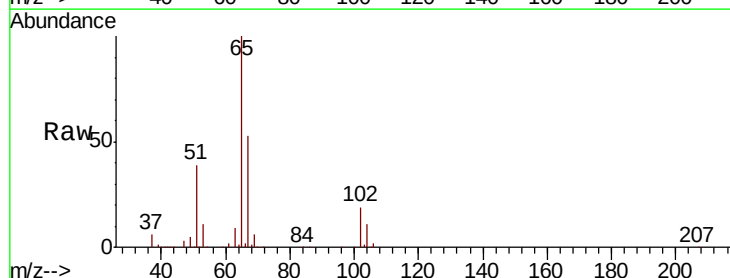
Acq: 11 Sep 2019 10:18

Tgt Ion: 65 Resp: 333922

Ion Ratio Lower Upper

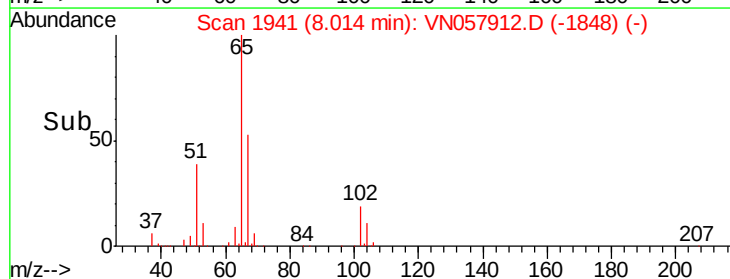
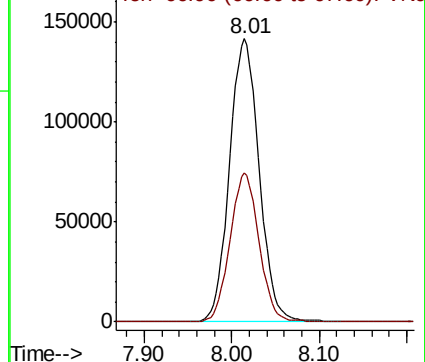
65 100

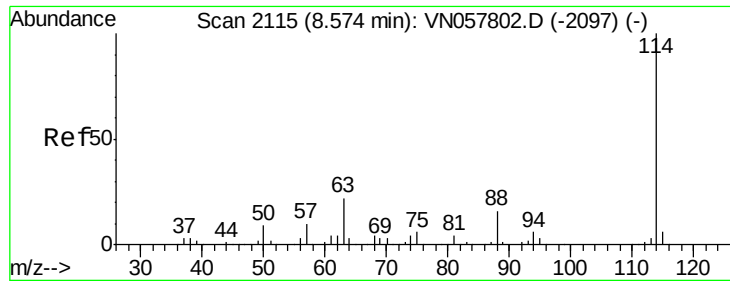
67 51.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

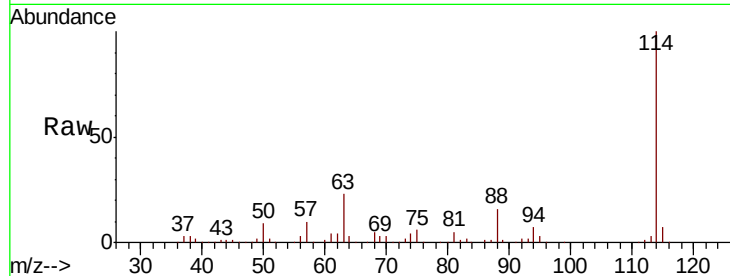




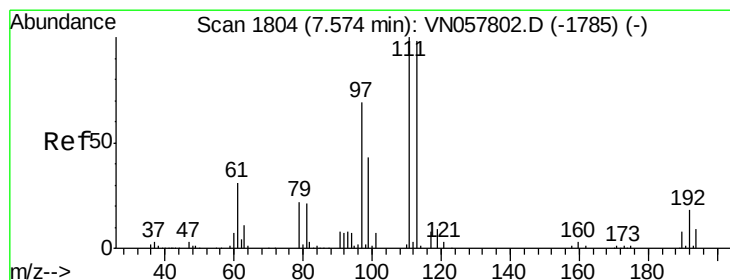
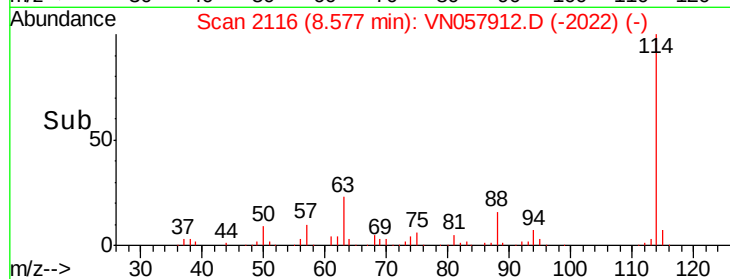
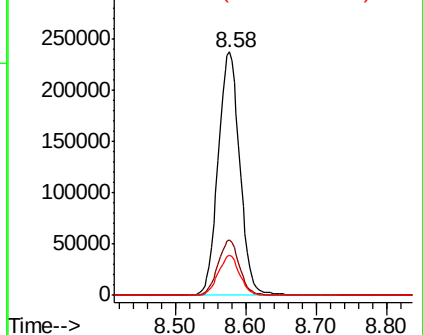
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-B4-(4)

Tgt Ion:114 Resp: 507975
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 16.4 0.0 31.4

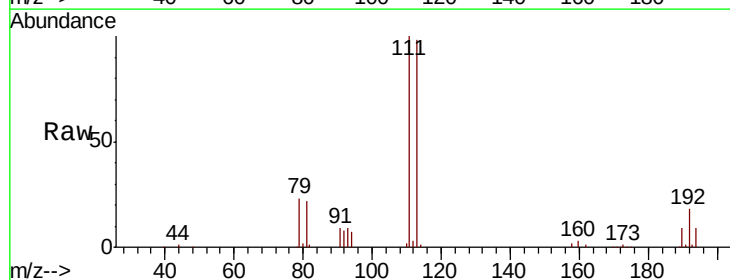


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

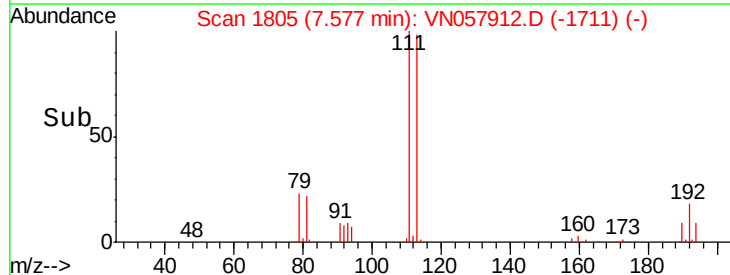
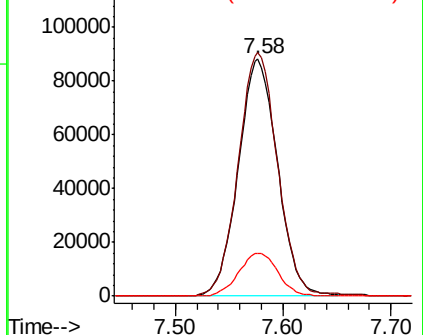


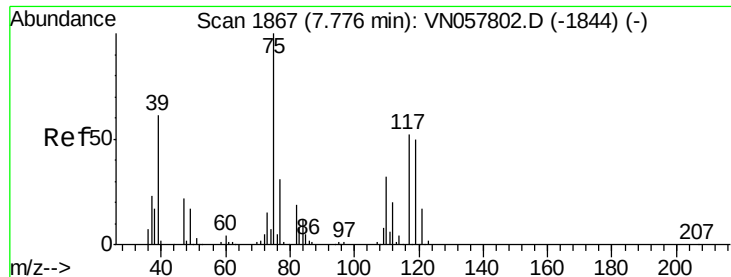
#35
 Dibromofluoromethane
 Concen: 47.521 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

Tgt Ion:113 Resp: 222800
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.3 121.9
 192 18.1 14.6 22.0



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

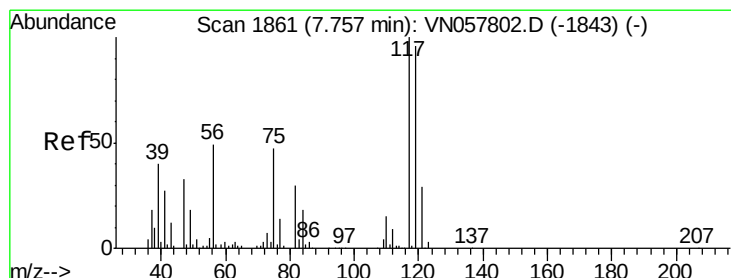
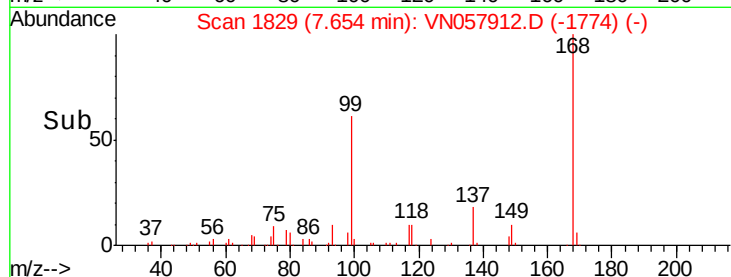
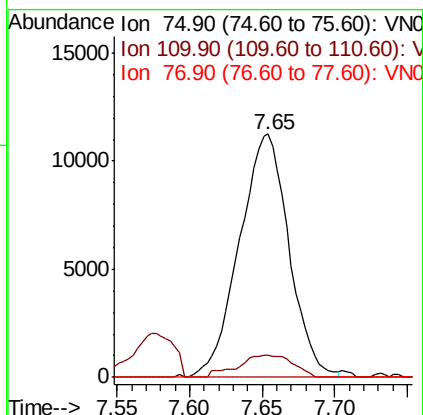
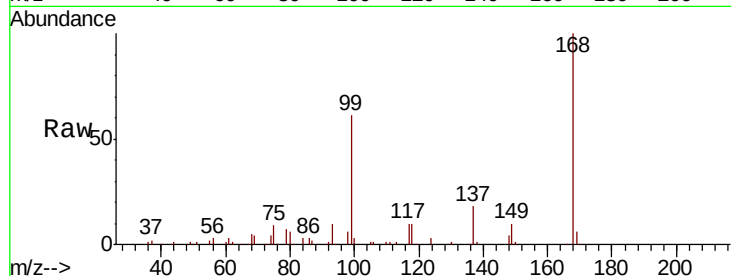




#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

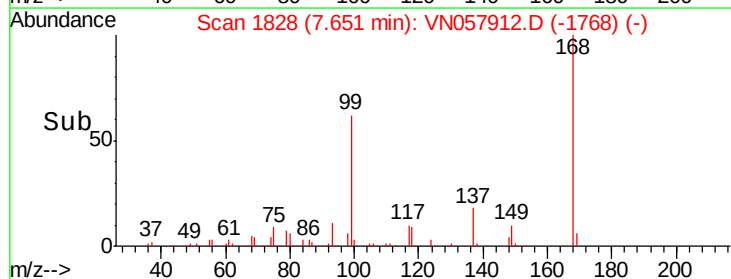
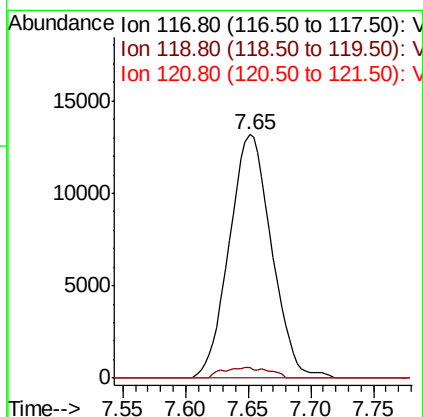
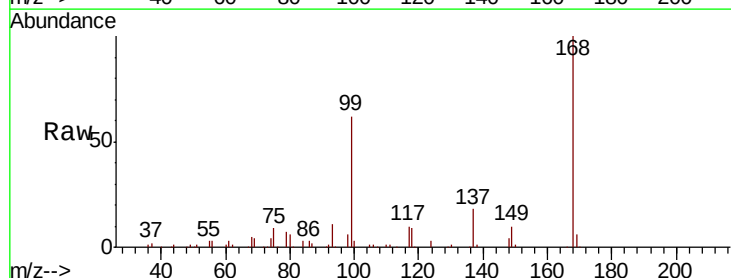
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-B4-(4)

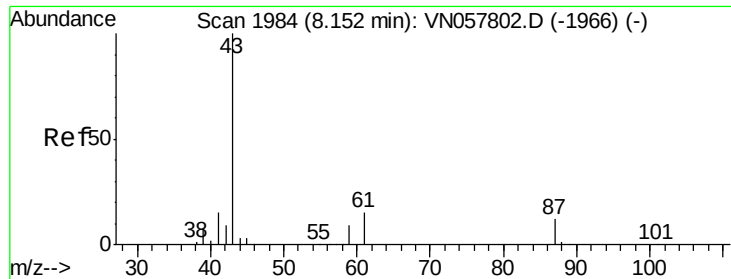
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	16.3	48.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.752 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.9	115.3#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 2.980 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

T11-B4-(4)

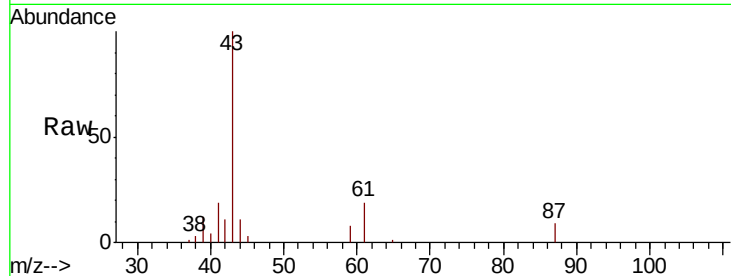
Tgt Ion: 43 Resp: 30504

Ion Ratio Lower Upper

43 100

61 17.9 20.1 30.1#

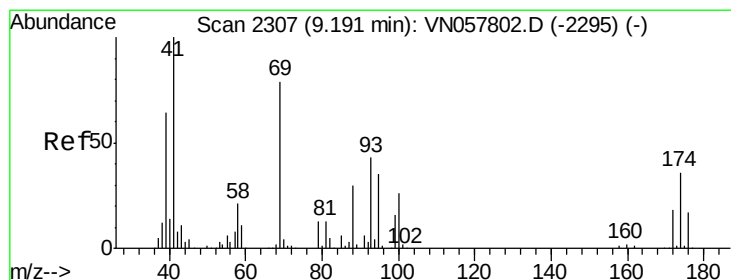
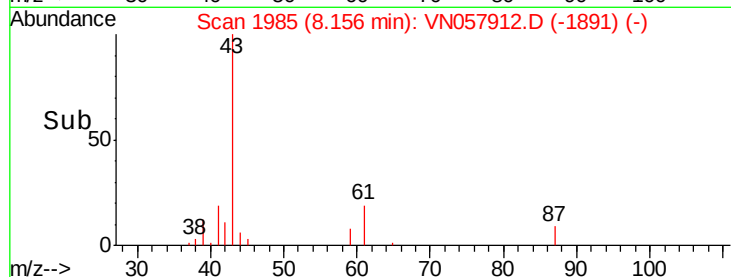
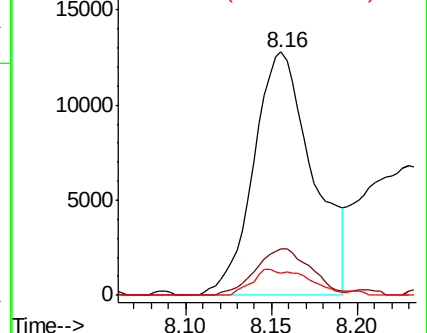
87 10.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.700 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

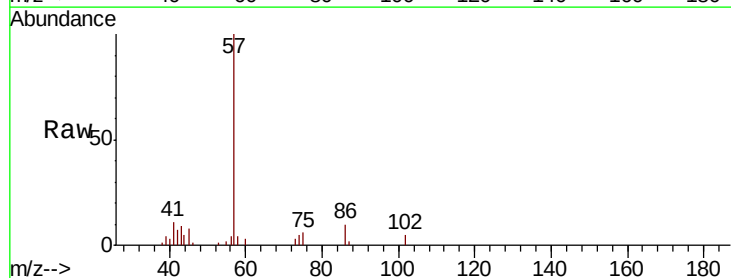
Tgt Ion: 41 Resp: 3636

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

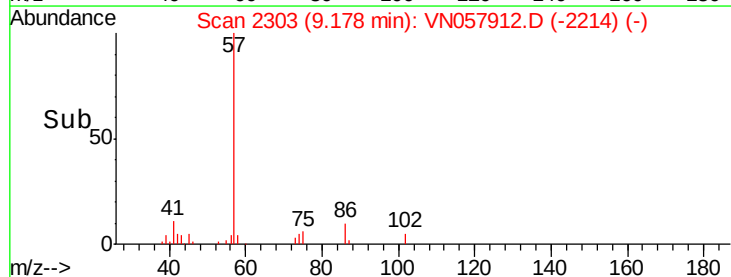
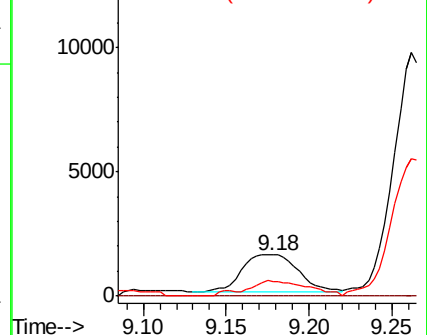
39 39.4 52.7 79.1#

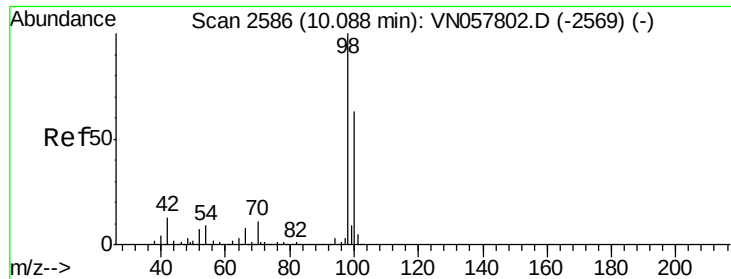


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

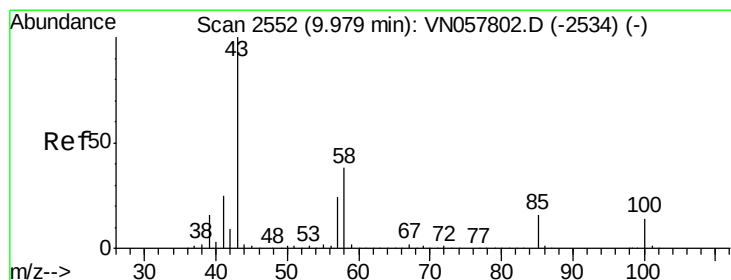
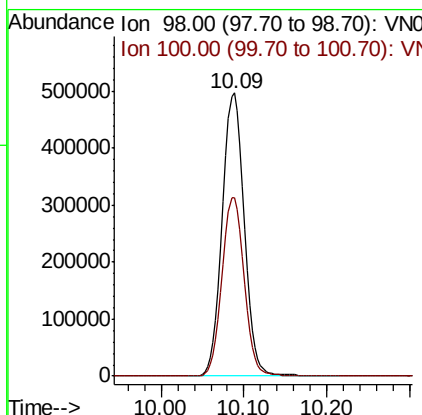
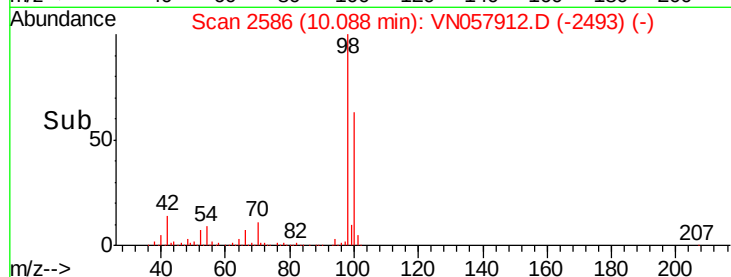
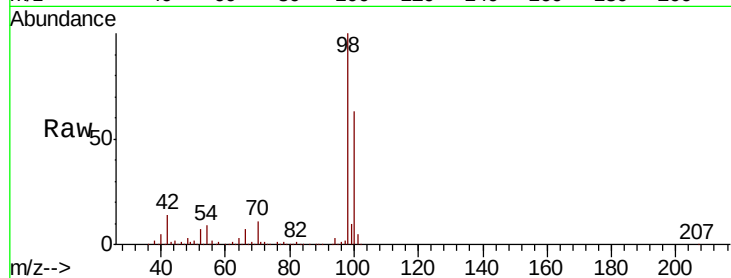




#50
Toluene-d8
Concen: 50.307 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

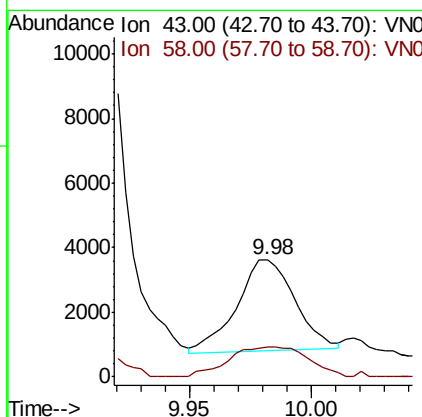
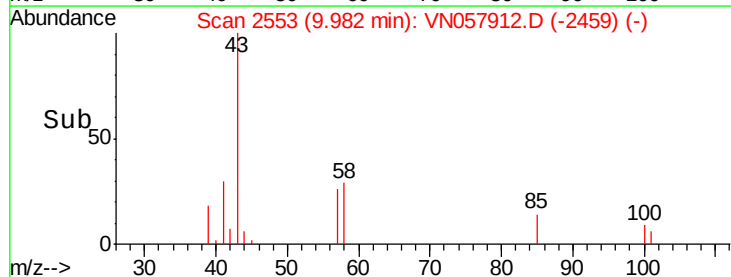
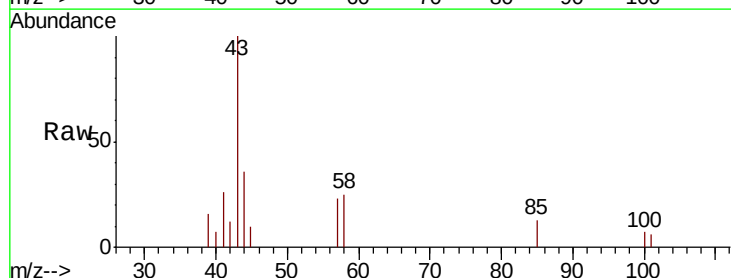
Instrument :
MSVOA_N
ClientSampled :
T11-B4-(4)

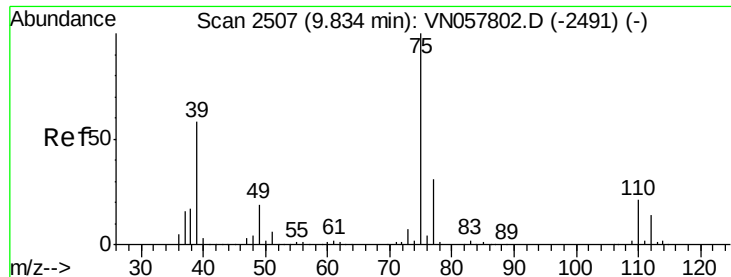
Tgt Ion: 98 Resp: 915739
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 0.771 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Tgt Ion: 43 Resp: 4672
Ion Ratio Lower Upper
43 100
58 44.6 29.8 44.6#





#54

cis-1,3-Dichloropropene

Concen: 3.764 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

T11-B4-(4)

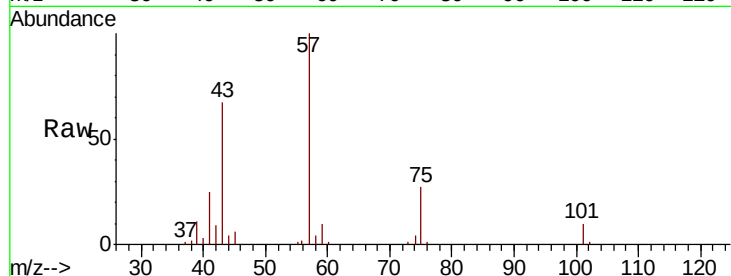
Tgt Ion: 75 Resp: 27256

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

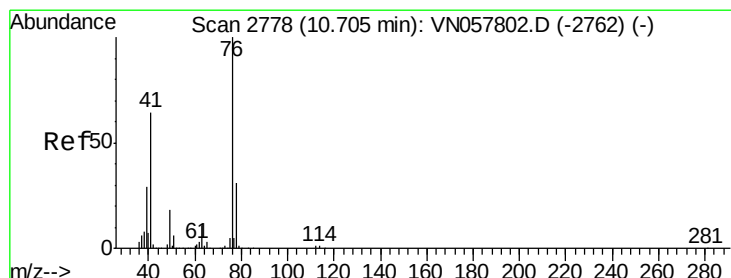
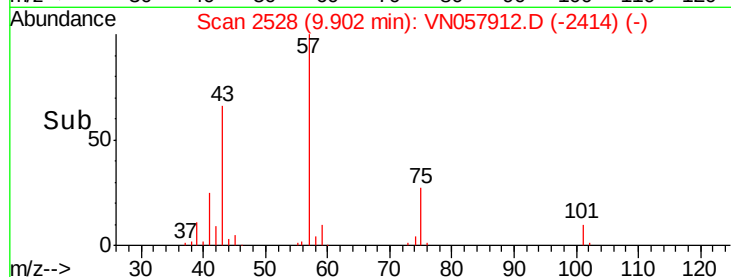
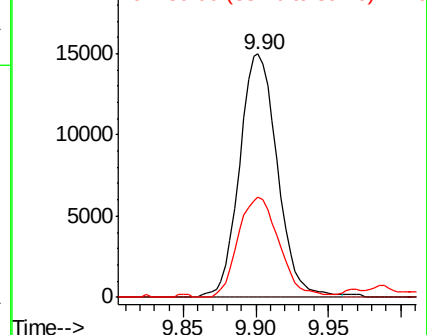
39 41.3 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.253 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057912.D

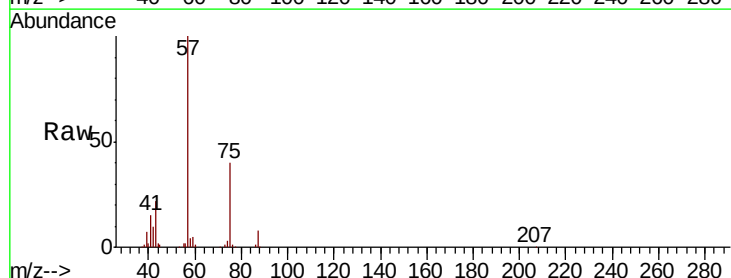
Acq: 11 Sep 2019 10:18

Tgt Ion: 76 Resp: 2062

Ion Ratio Lower Upper

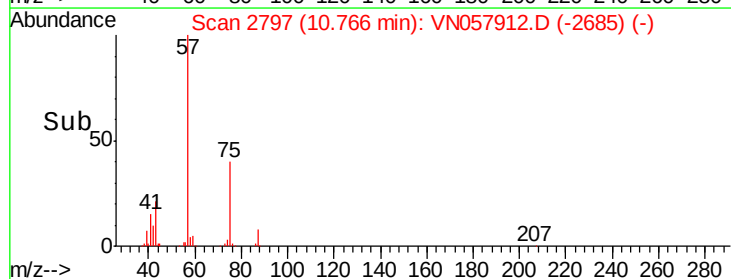
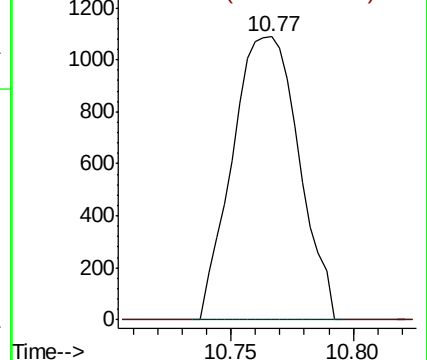
76 100

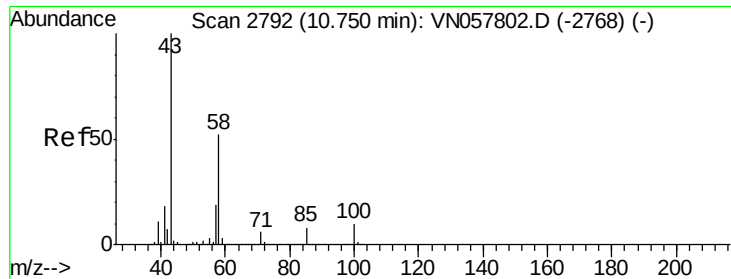
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

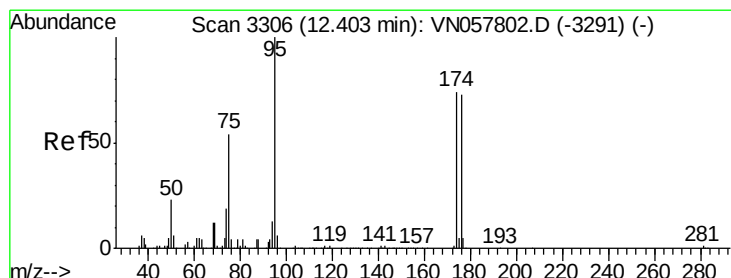
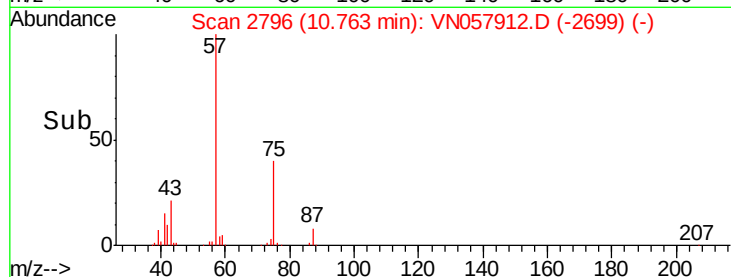
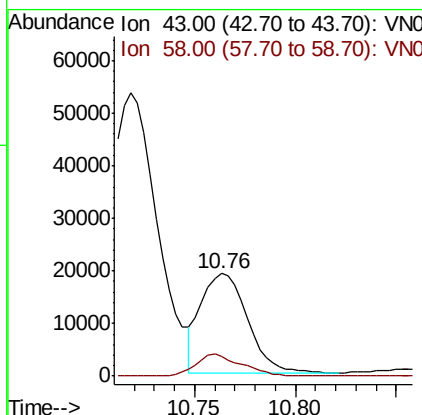
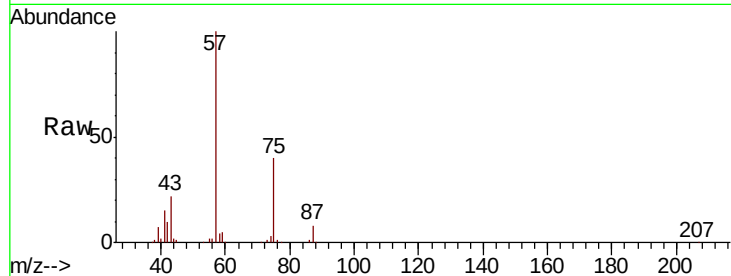




#59
 2-Hexanone
 Concen: 6.736 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

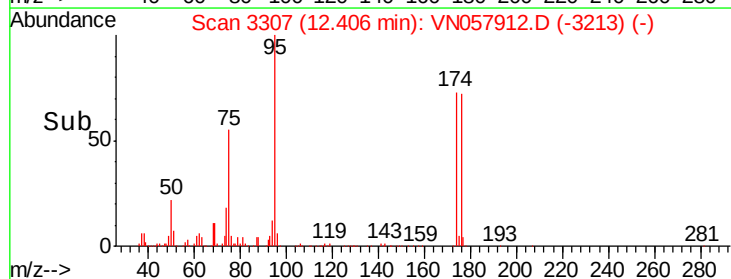
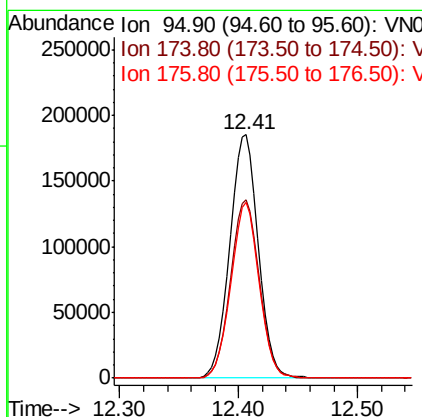
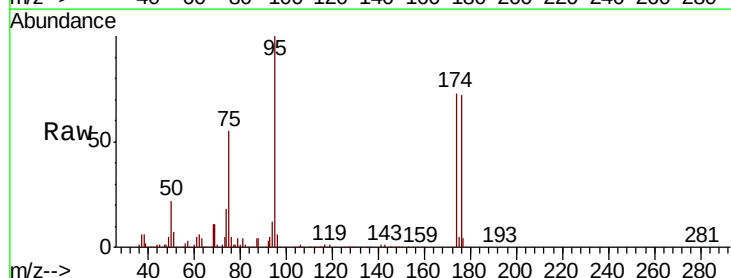
Instrument :
 MSVOA_N
 ClientSampled :
 T11-B4-(4)

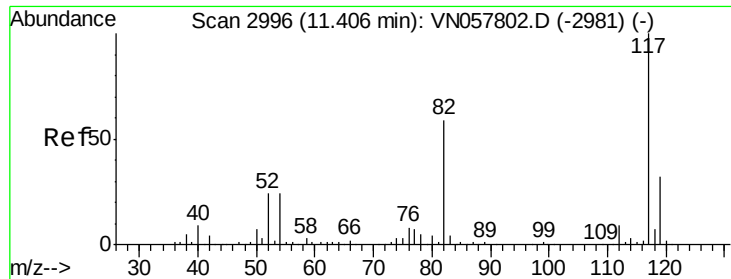
Tgt Ion: 43 Resp: 30583
 Ion Ratio Lower Upper
 43 100
 58 21.5 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 44.361 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057912.D
 Acq: 11 Sep 2019 10:18

Tgt Ion: 95 Resp: 307729
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 150.2
 176 71.2 0.0 146.0

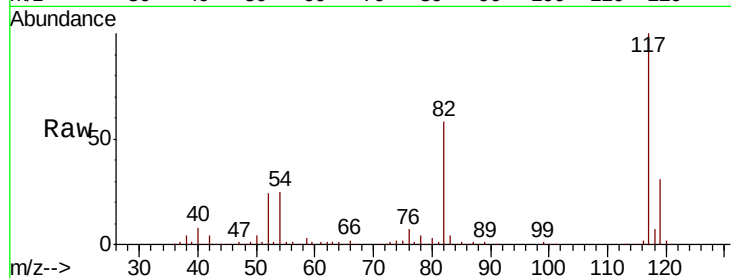




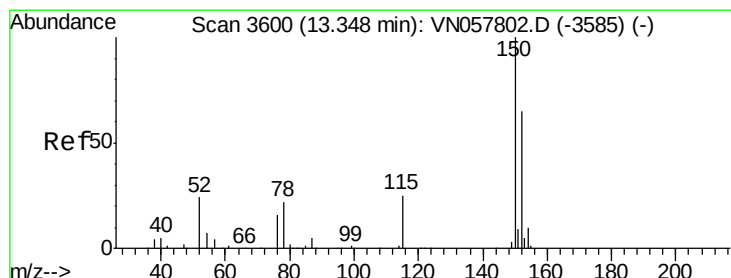
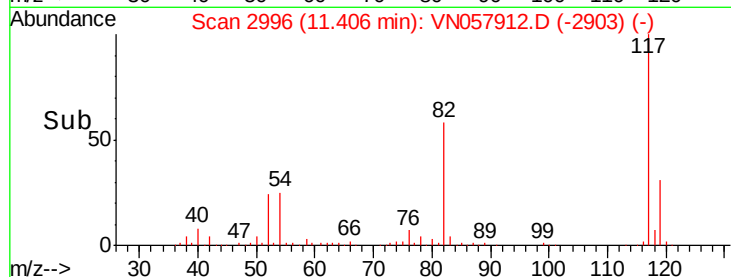
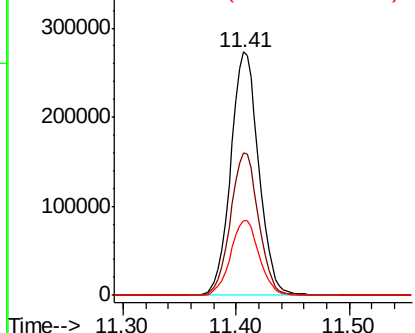
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampled :
T11-B4-(4)

Tgt Ion:117 Resp: 469949
Ion Ratio Lower Upper
117 100
82 58.4 47.2 70.8
119 30.6 25.3 37.9

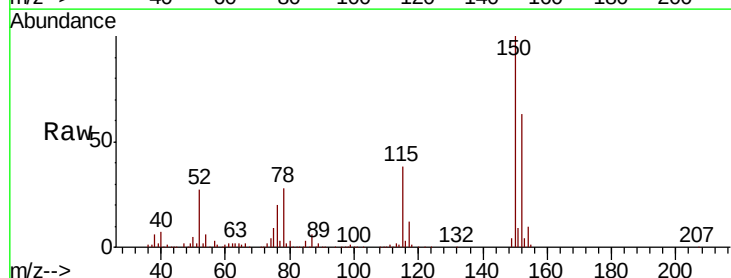


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

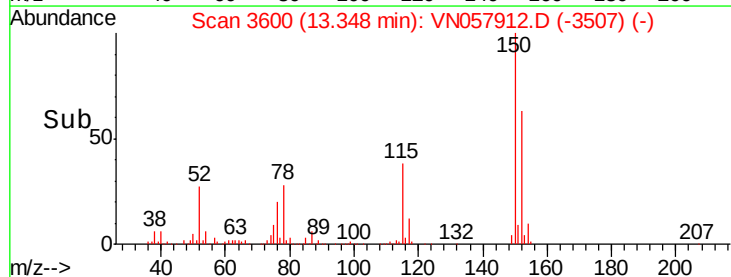
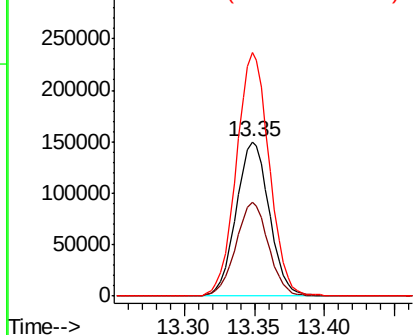


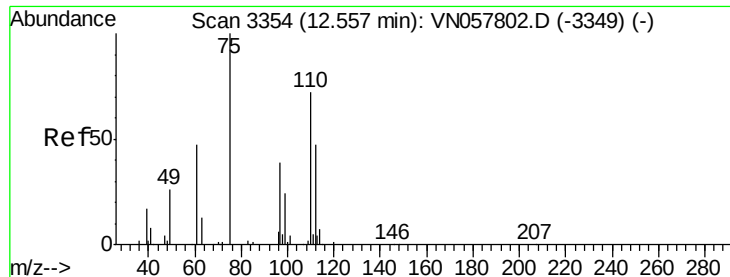
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Tgt Ion:152 Resp: 246948
Ion Ratio Lower Upper
152 100
115 60.0 30.3 91.0
150 157.1 0.0 352.4



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: 30.320 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

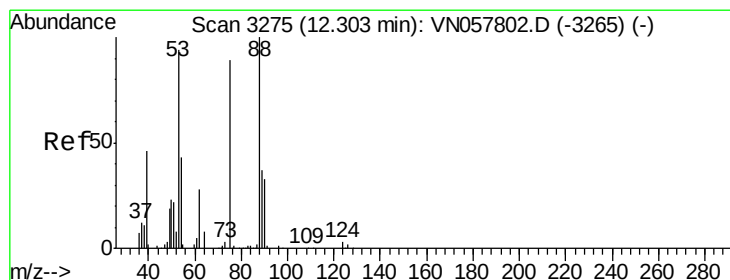
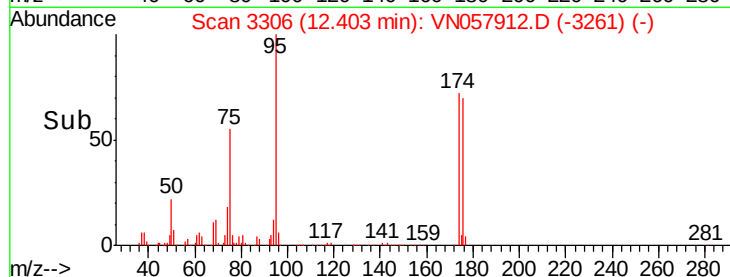
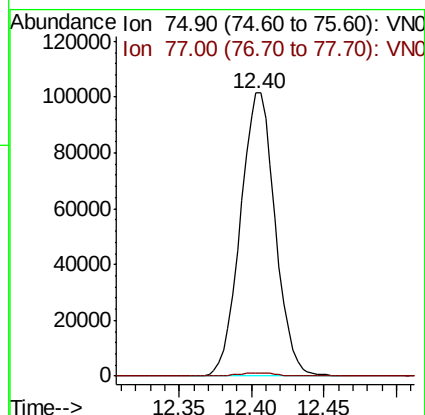
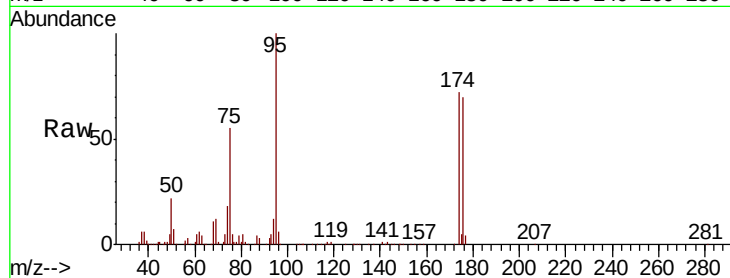
T11-B4-(4)

Tgt Ion: 75 Resp: 169378

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.696 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057912.D

Acq: 11 Sep 2019 10:18

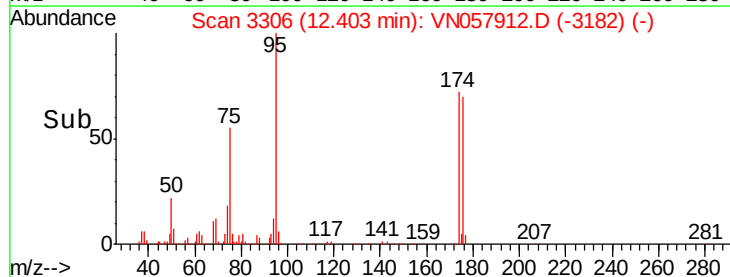
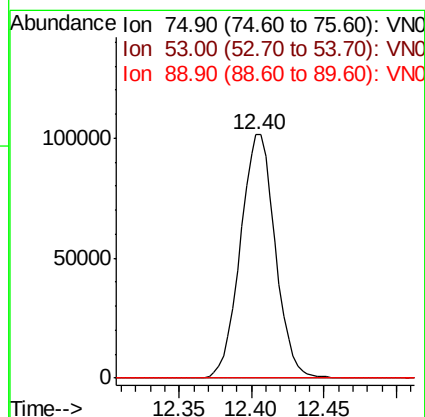
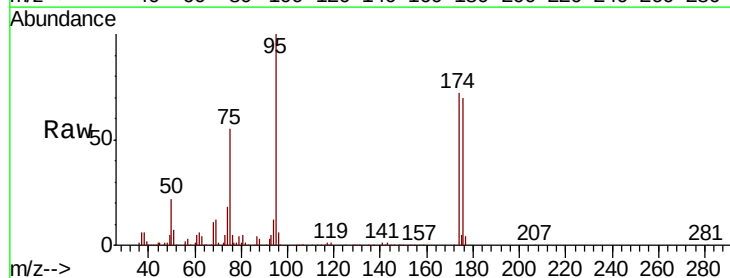
Tgt Ion: 75 Resp: 169378

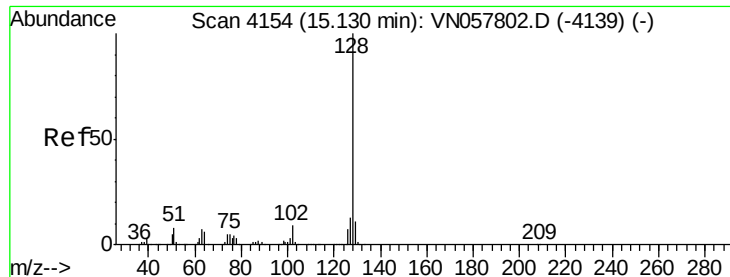
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#

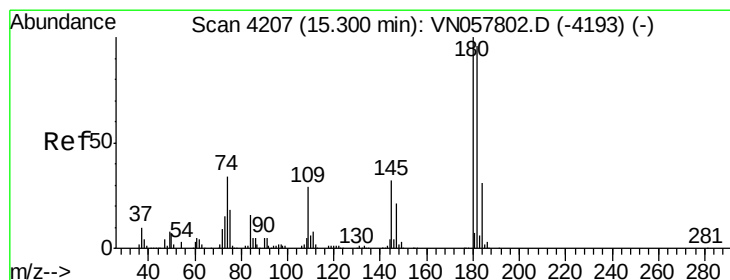
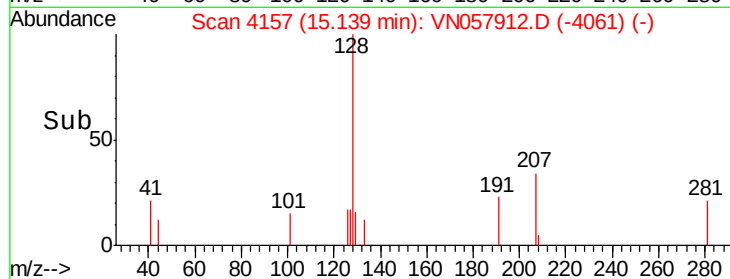
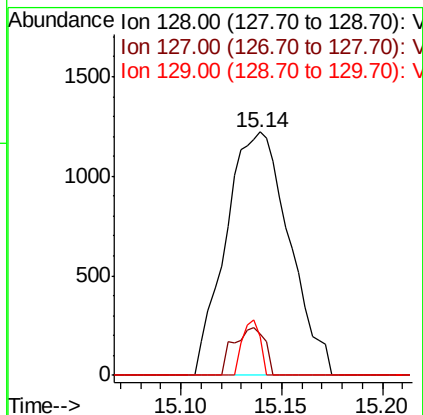
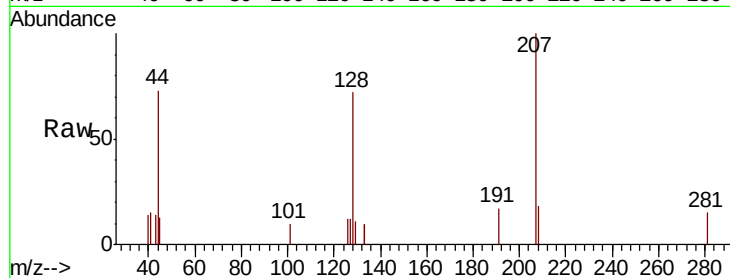




#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
T11-B4-(4)

Tgt Ion:128 Resp: 2671
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5#
129 6.4 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.037 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.01 min
Lab File: VN057912.D
Acq: 11 Sep 2019 10:18

Tgt Ion:180 Resp: 198
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.8#
145 0.0 16.3 48.8#

