

Data File : VN057768.D
Acq On : 7 Sep 2019 20:37
Operator : JC/SP
Sample : K4601-23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

Quant Time: Sep 08 06:40:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	196414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	313761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	291795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	151328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	236803	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.58	113	142372	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.08	98	537245	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	195941	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	

Target Compounds

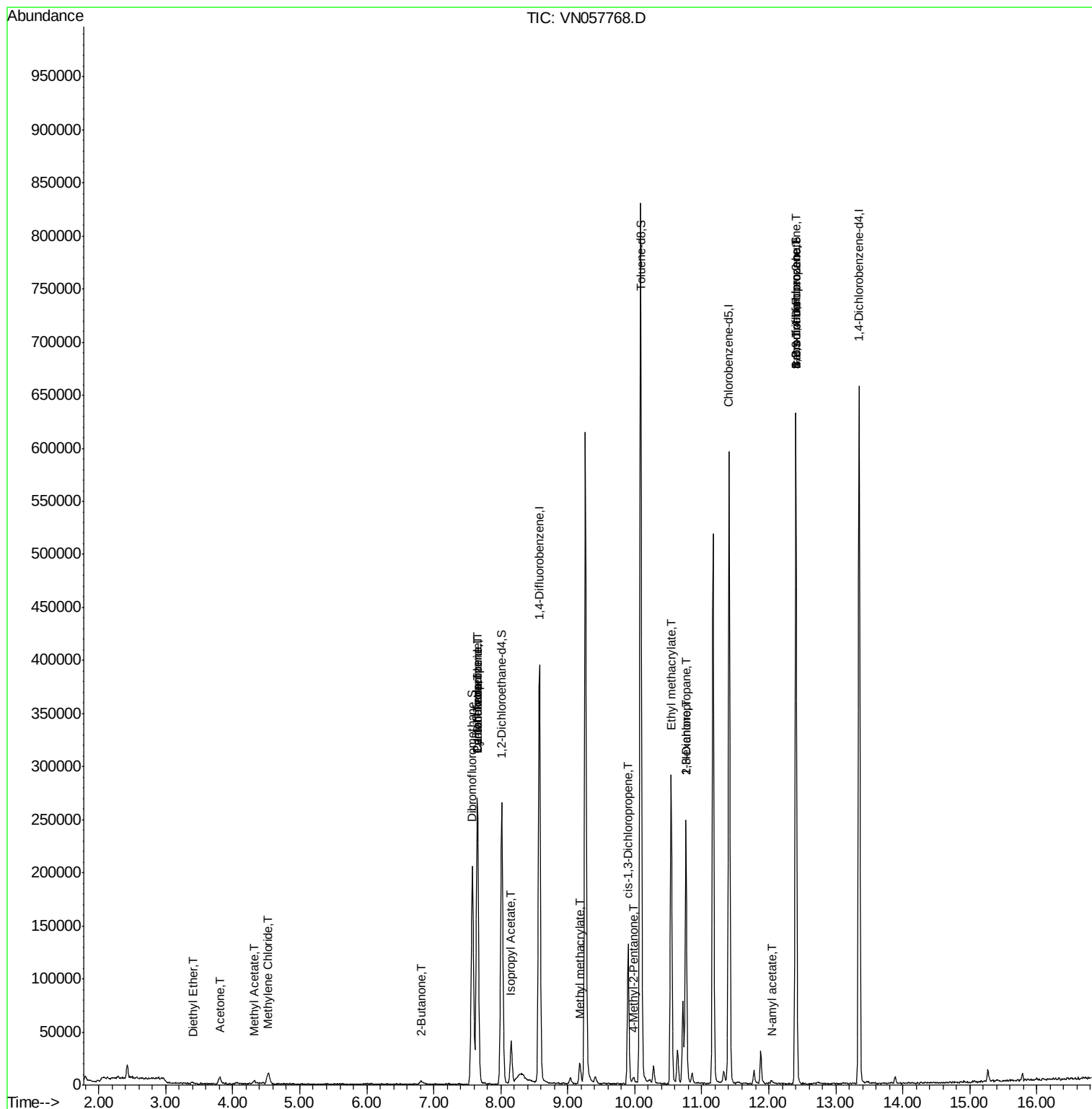
						Qvalue
3) Chloromethane	2.03	50	993	Below Cal		90
8) Diethyl Ether	3.40	74	746	0.431 ug/l		83
16) Acetone	3.81	43	10544	7.171 ug/l		96
18) Methyl Acetate	4.31	43	1847	0.462 ug/l		94
20) Methylene Chloride	4.53	84	6944	2.184 ug/l #		95
25) 2-Butanone	6.81	43	521	0.247 ug/l #		55
31) Cyclohexane	7.65	56	6337	1.182 ug/l #		8
36) 1,1-Dichloropropene	7.65	75	18117	4.340 ug/l #		53
38) Carbon Tetrachloride	7.65	117	22602	5.655 ug/l #		16
43) Isopropyl Acetate	8.15	43	47841	6.015 ug/l		98
48) Methyl methacrylate	9.17	41	3227	0.789 ug/l #		16
51) 4-Methyl-2-Pentanone	9.99	43	4629	1.048 ug/l		91
54) cis-1,3-Dichloropropene	9.90	75	19610	4.019 ug/l #		62
56) Ethyl methacrylate	10.54	69	979	0.213 ug/l #		1
57) 1,3-Dichloropropane	10.77	76	1845	0.357 ug/l #		43
59) 2-Hexanone	10.76	43	40629	13.043 ug/l #		59
71) Bromoform	12.40	173	1726	4.057 ug/l #		1
74) N-amyl acetate	12.05	43	3466	0.519 ug/l #		50
76) 1,2,3-Trichloropropane	12.40	75	118276	34.036 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	118276	105.851 ug/l #		1

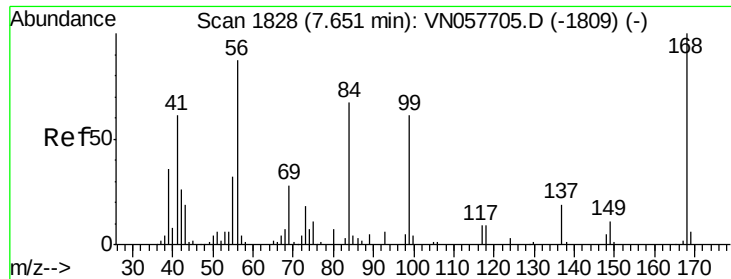
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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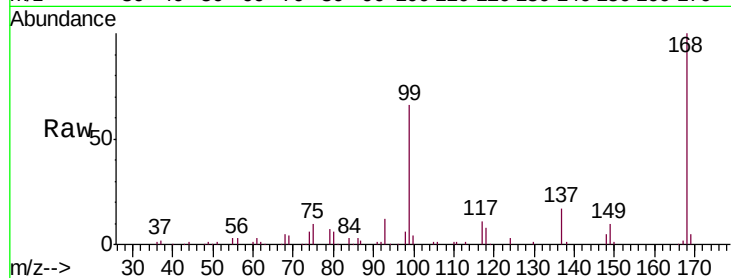




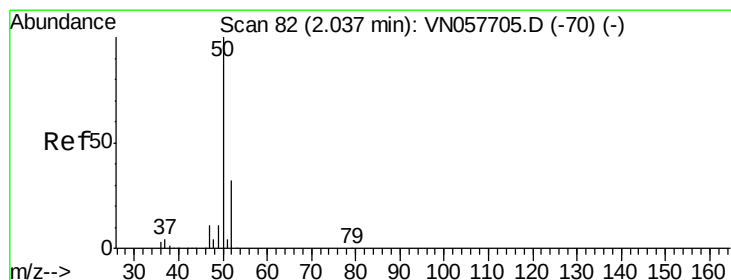
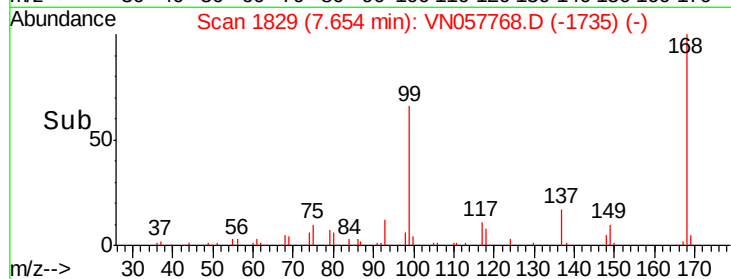
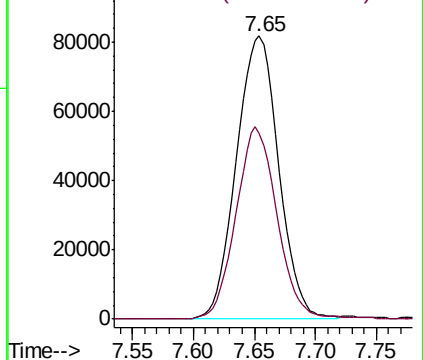
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

Tgt Ion:168 Resp: 196414
Ion Ratio Lower Upper
168 100
99 65.7 57.4 86.0

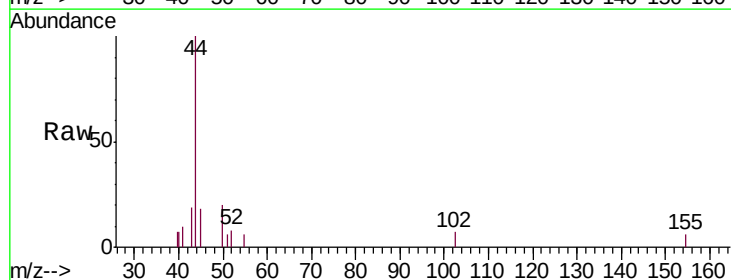


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

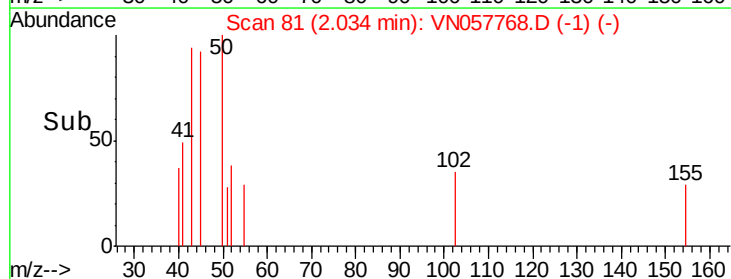
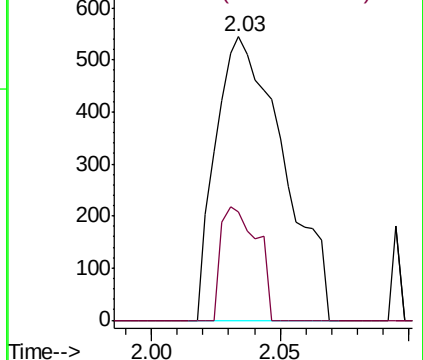


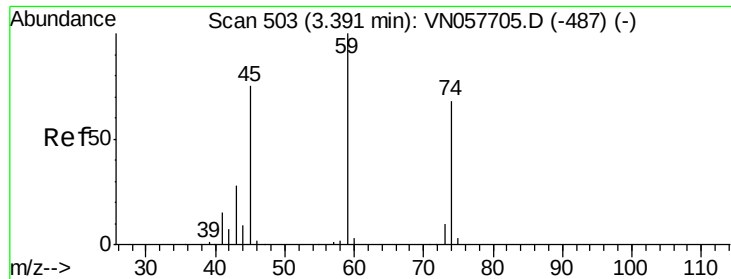
#3
Chloromethane
Concen: Below Cal
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 38.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN
Ion 51.90 (51.60 to 52.60): VN

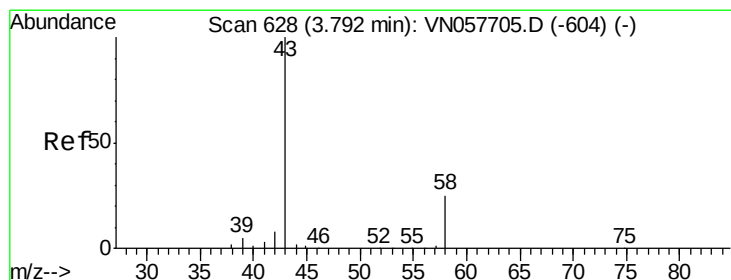
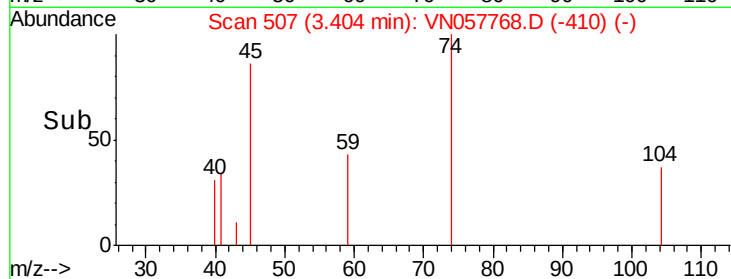
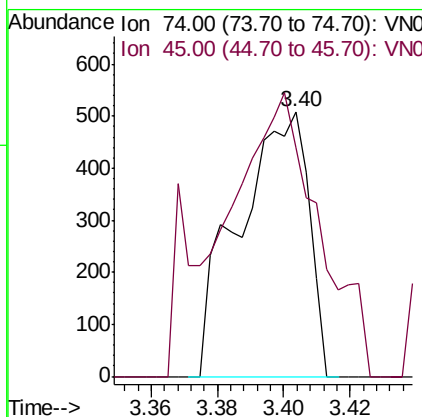
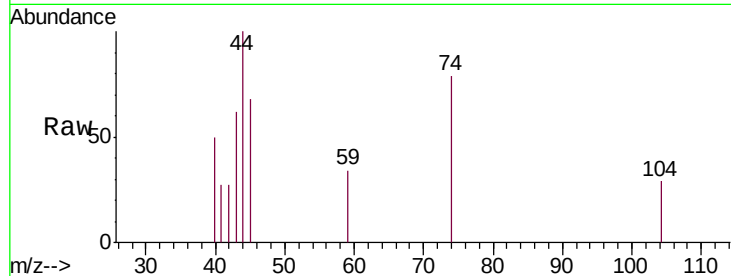




#8
Diethyl Ether
Concen: 0.431 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.01 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

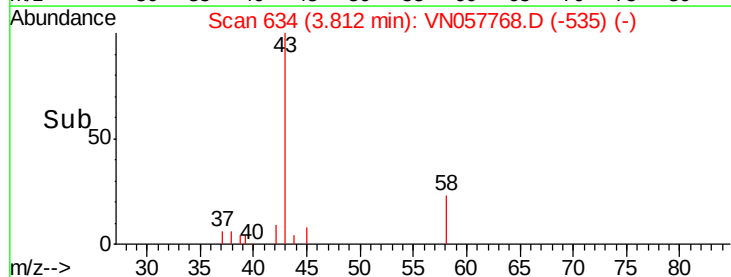
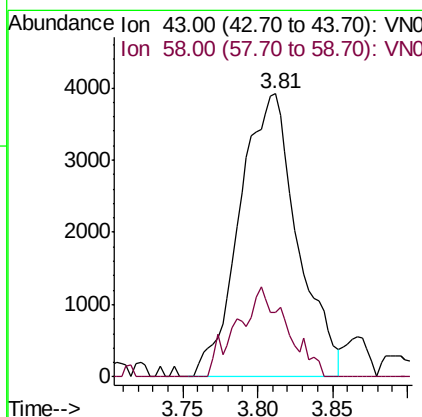
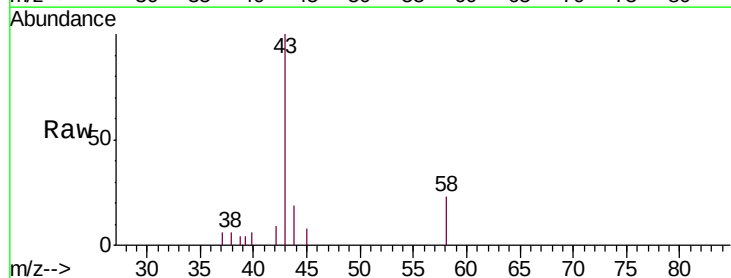
Instrument :
MSVOA_N
ClientSampled :
T12-E2-(0)

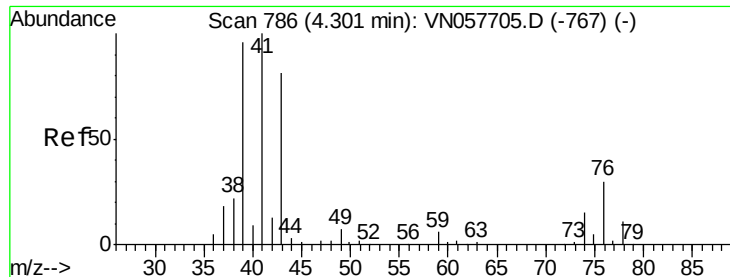
Tgt Ion: 74 Resp: 746
Ion Ratio Lower Upper
74 100
45 128.6 55.4 166.0



#16
Acetone
Concen: 7.171 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.02 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 43 Resp: 10544
Ion Ratio Lower Upper
43 100
58 22.7 19.8 29.8

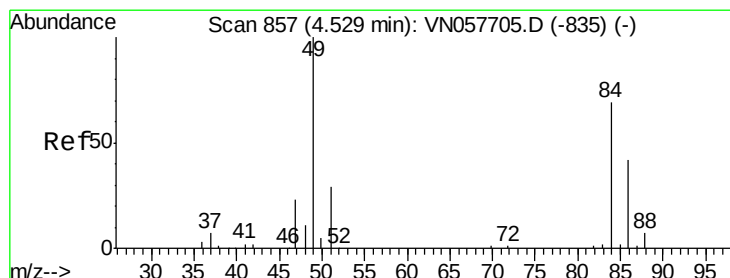
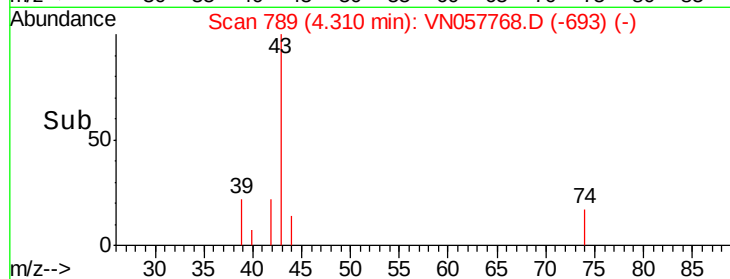
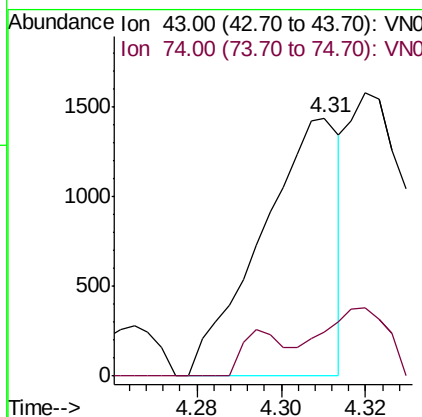
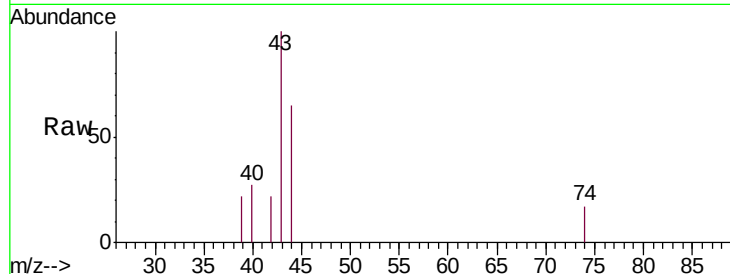




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

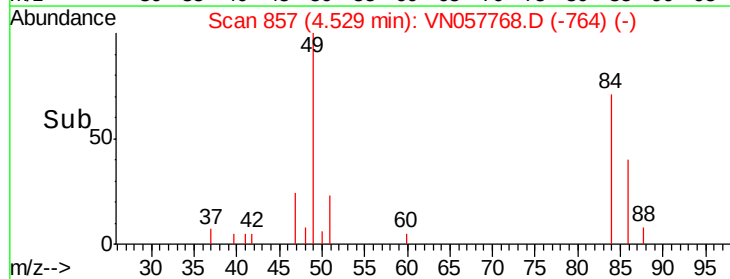
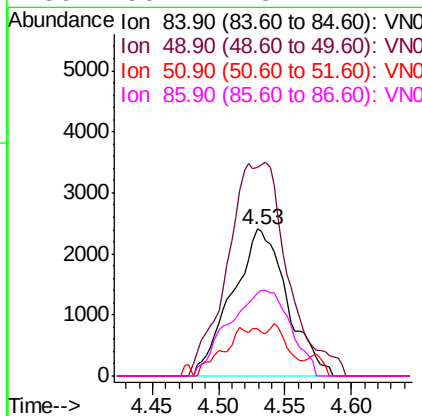
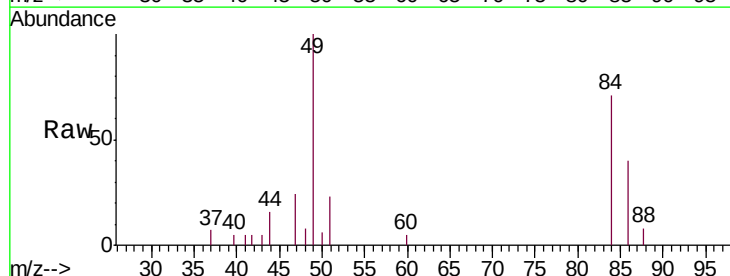
Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

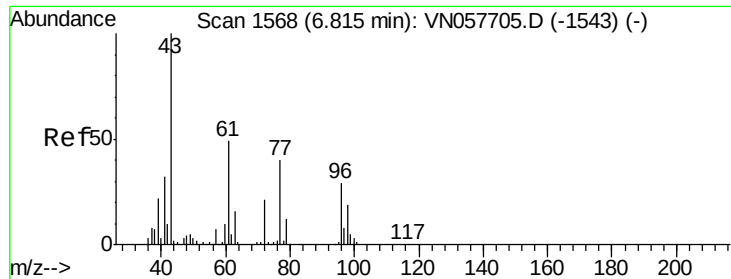
Tgt Ion: 43 Resp: 1847
Ion Ratio Lower Upper
43 100
74 21.6 15.3 22.9



#20
Methylene Chloride
Concen: 2.184 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 84 Resp: 6944
Ion Ratio Lower Upper
84 100
49 141.5 115.0 172.6
51 32.1 33.8 50.8#
86 56.4 48.2 72.2

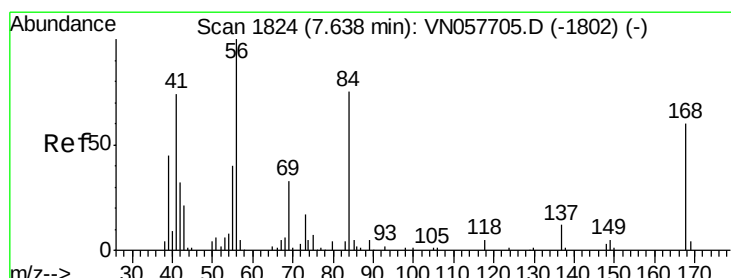
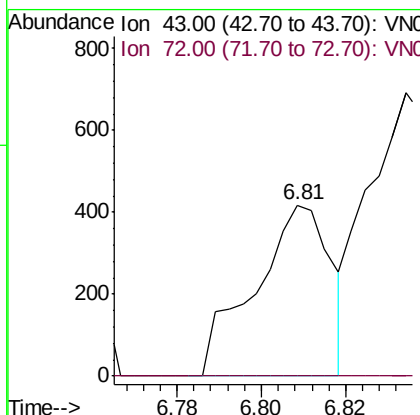
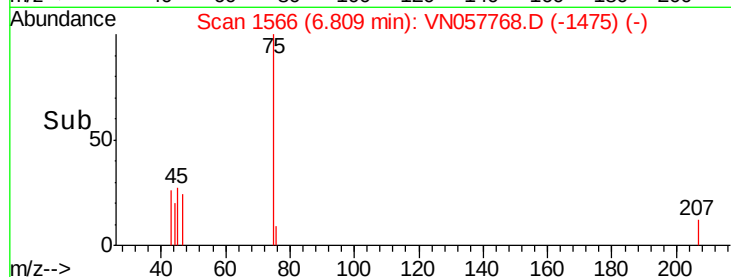
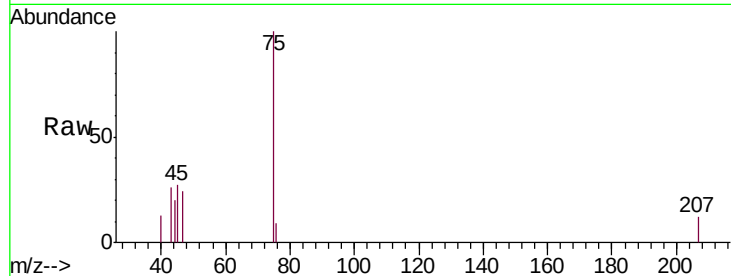




#25
2-Butanone
Concen: 0.247 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

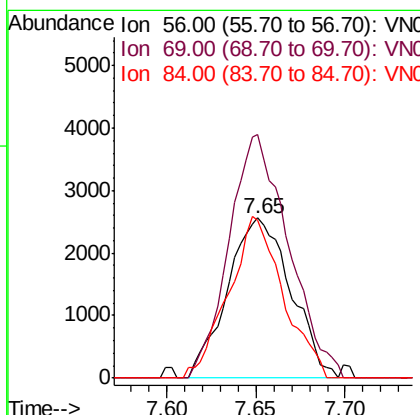
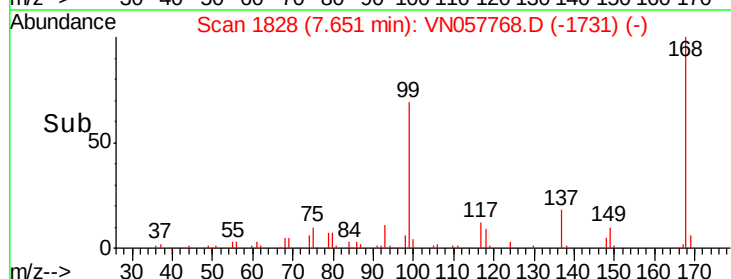
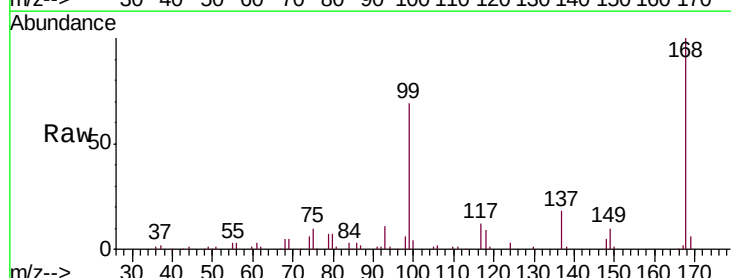
Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

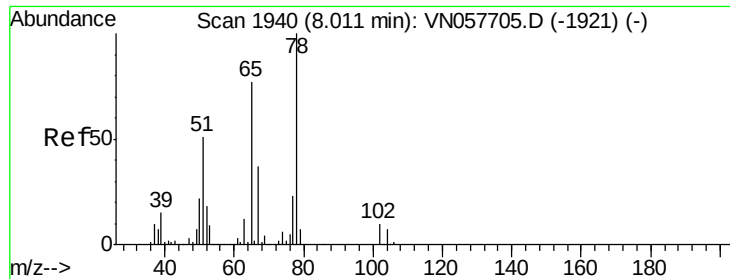
Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 56 Resp: 6337
Ion Ratio Lower Upper
56 100
69 152.2 26.2 39.2#
84 108.2 59.8 89.8#

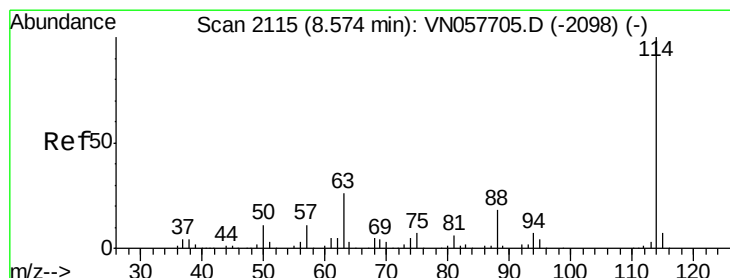
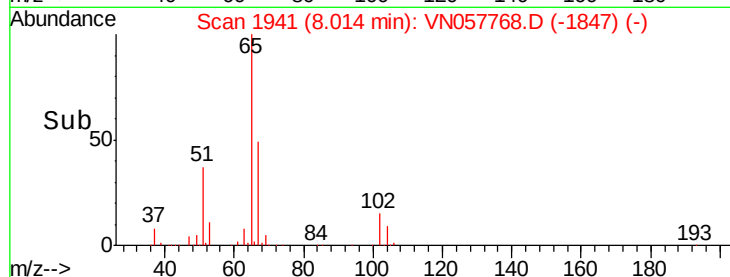
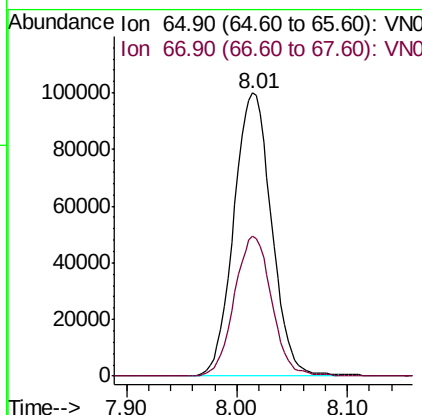
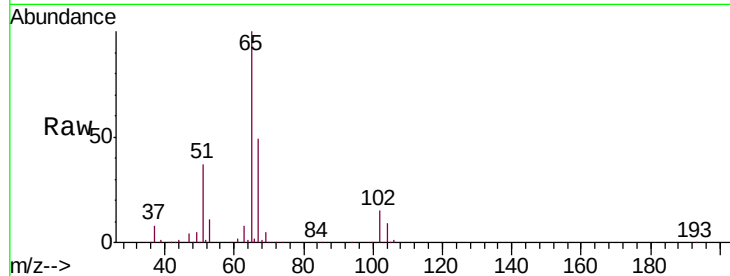




#33
 1,2-Dichloroethane-d4
 Concen: 49.560 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057768.D
 Acq: 7 Sep 2019 20:37

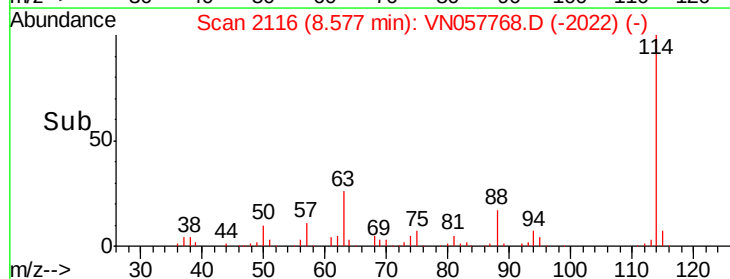
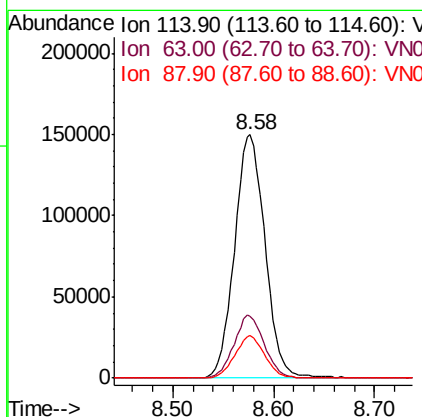
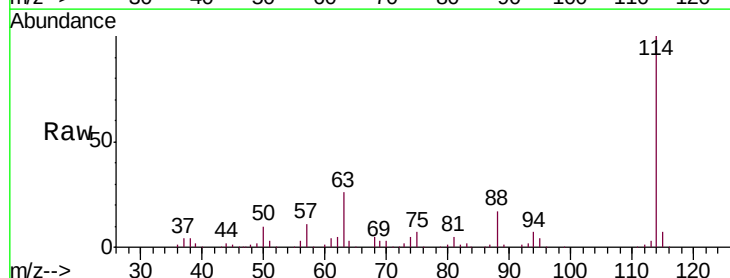
Instrument :
 MSVOA_N
 ClientSampled :
 T12-E2-(0)

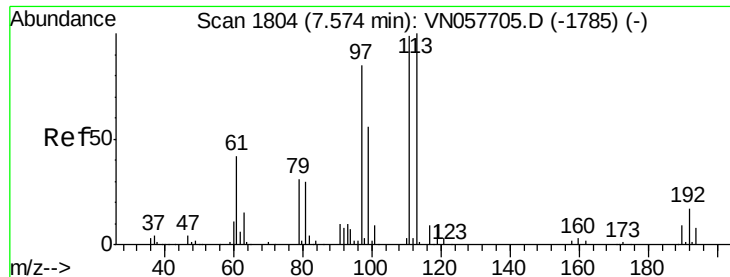
Tgt Ion: 65 Resp: 236803
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057768.D
 Acq: 7 Sep 2019 20:37

Tgt Ion: 114 Resp: 313761
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 52.4
 88 17.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.817 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

T12-E2-(0)

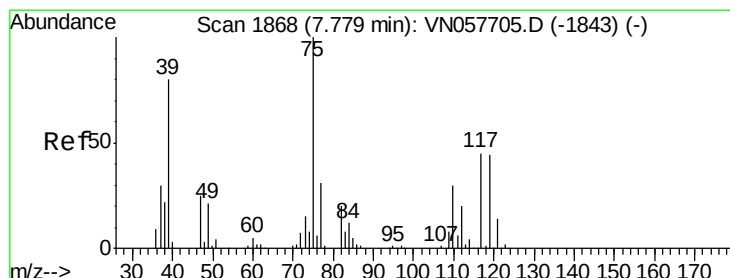
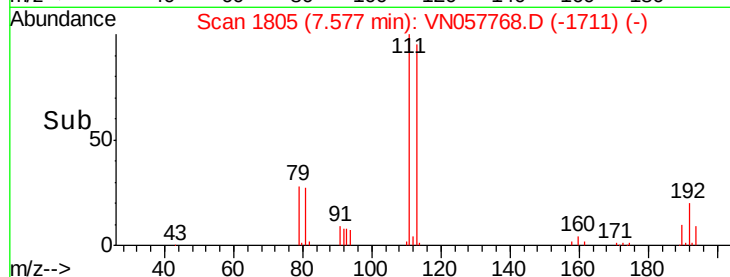
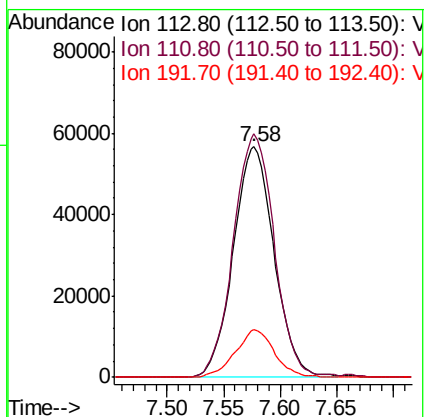
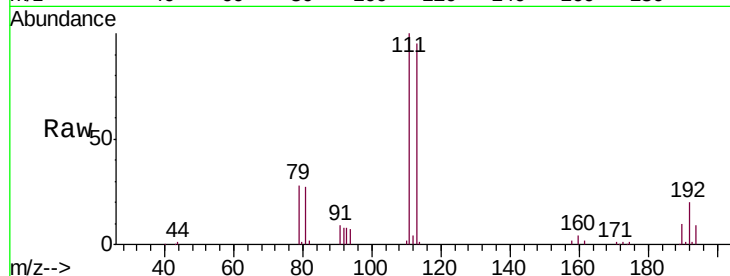
Tgt Ion:113 Resp: 142372

Ion Ratio Lower Upper

113 100

111 106.1 82.7 124.1

192 19.7 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.340 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

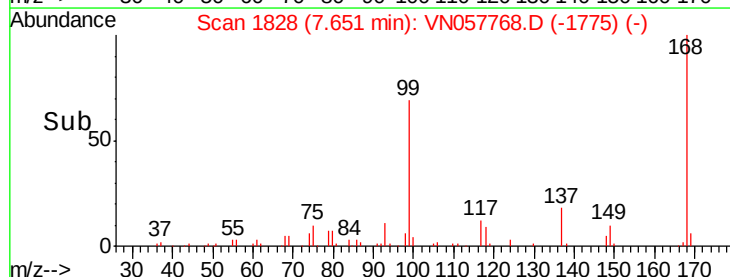
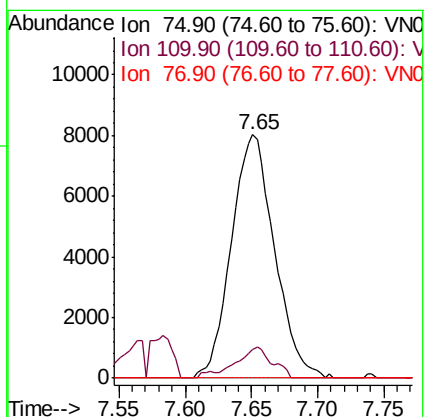
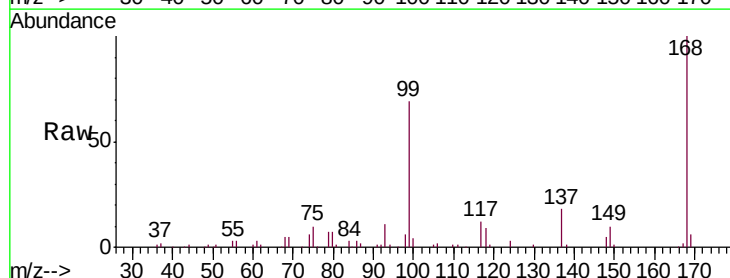
Tgt Ion: 75 Resp: 18117

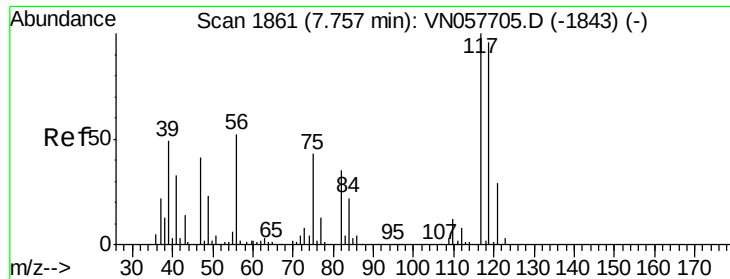
Ion Ratio Lower Upper

75 100

110 10.0 15.0 45.0#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

T12-E2-(0)

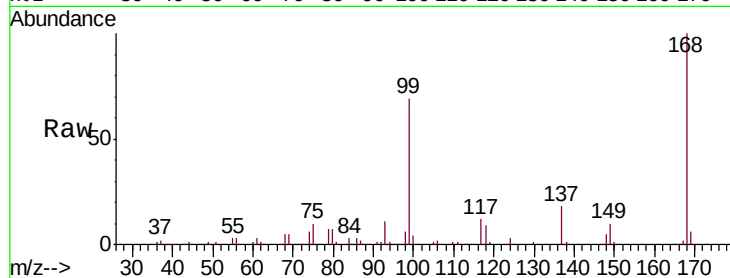
Tgt Ion:117 Resp: 22602

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

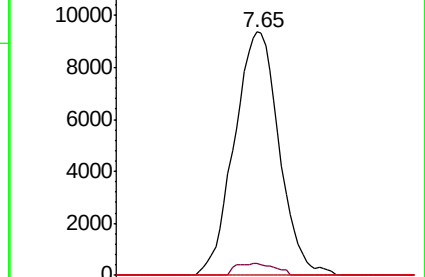
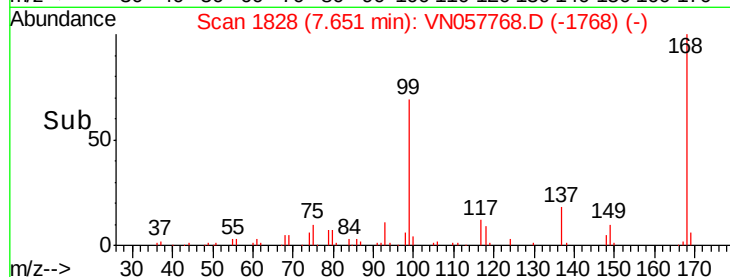
121 0.0 23.4 35.2#



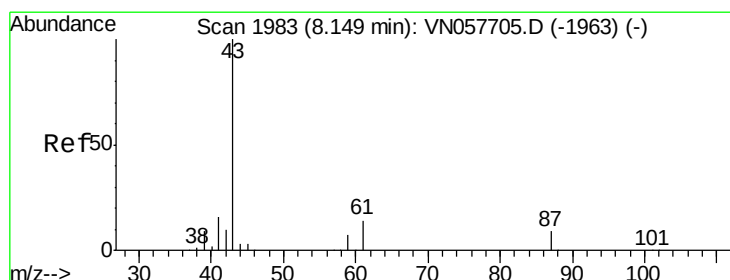
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#43

Isopropyl Acetate

Concen: 6.015 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

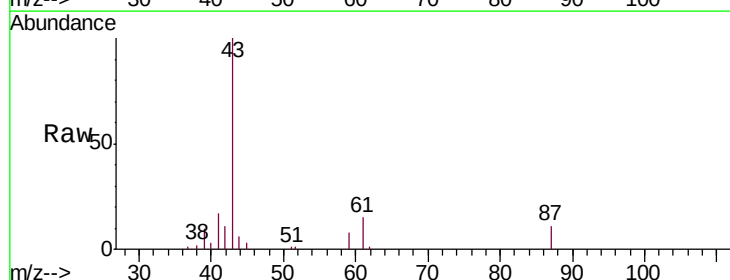
Tgt Ion: 43 Resp: 47841

Ion Ratio Lower Upper

43 100

61 16.6 12.8 19.2

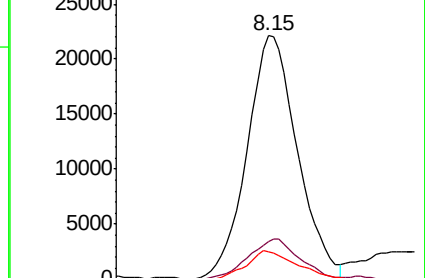
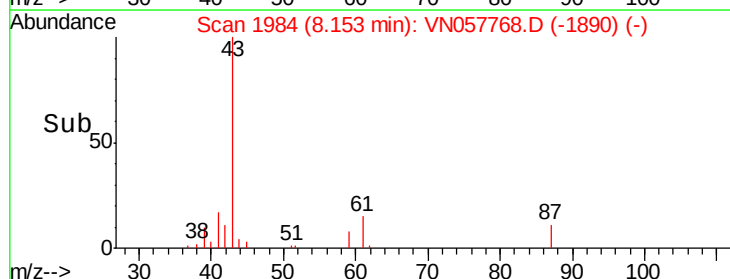
87 11.2 7.8 11.8



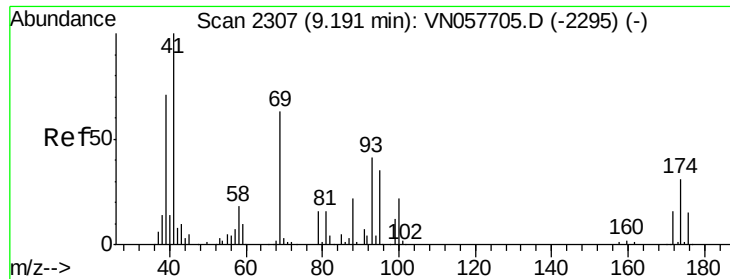
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V



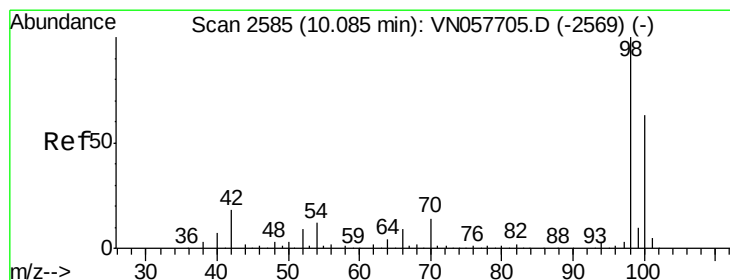
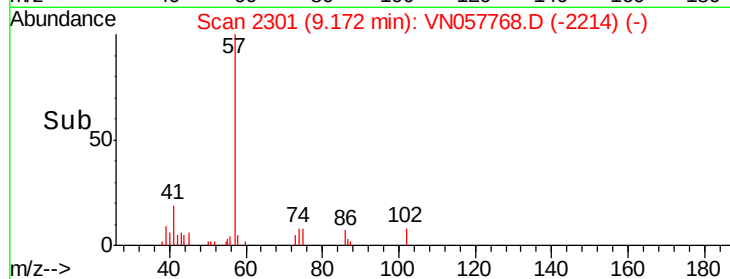
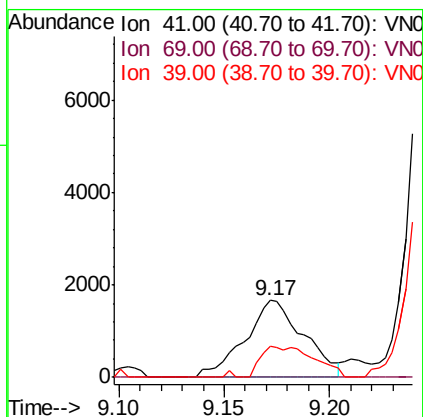
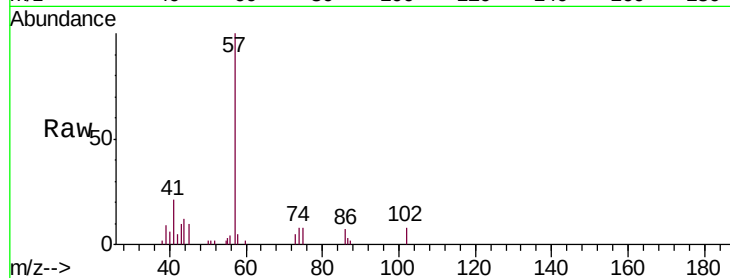
Time-->



#48
Methyl methacrylate
Concen: 0.789 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

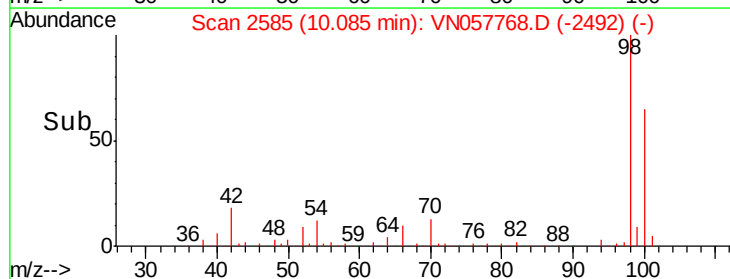
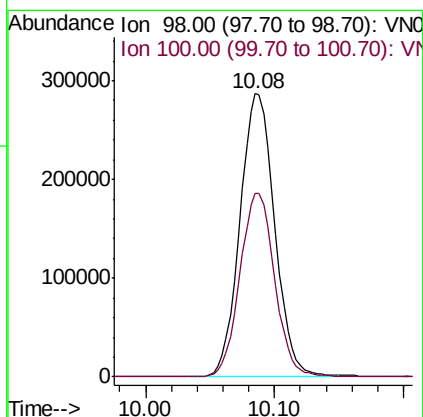
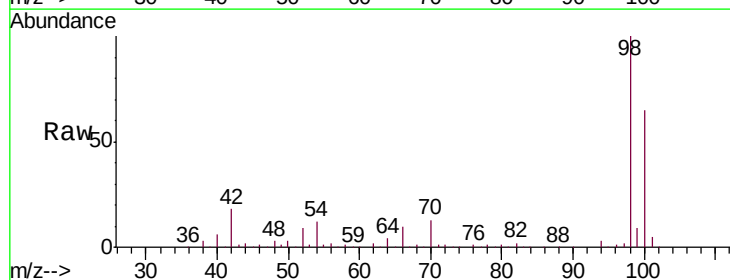
Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

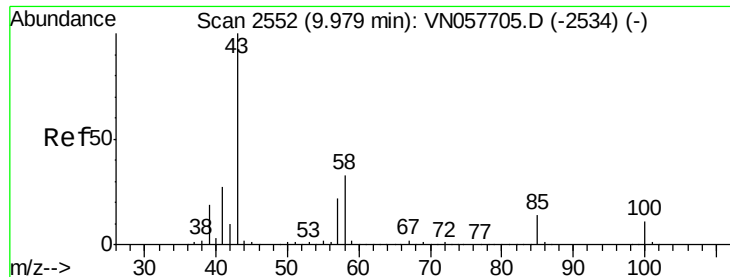
Tgt Ion: 41 Resp: 3227
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#50
Toluene-d8
Concen: 50.818 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 98 Resp: 537245
Ion Ratio Lower Upper
98 100
100 65.0 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.048 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

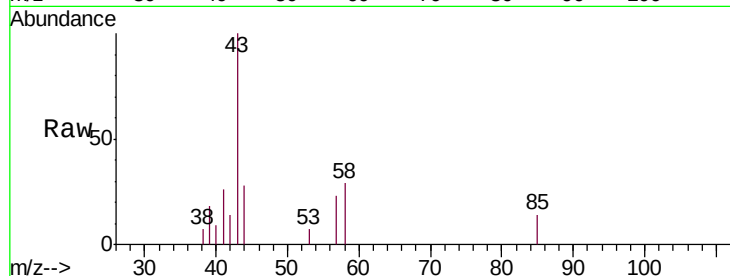
T12-E2-(0)

Tgt Ion: 43 Resp: 4629

Ion Ratio Lower Upper

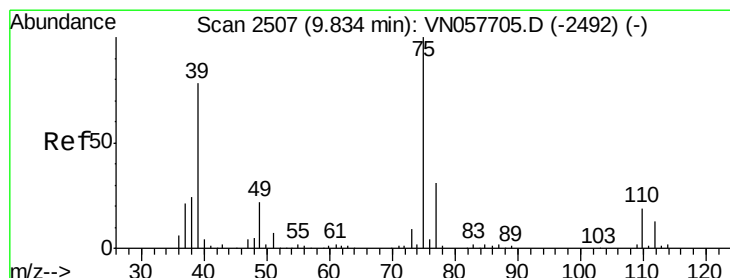
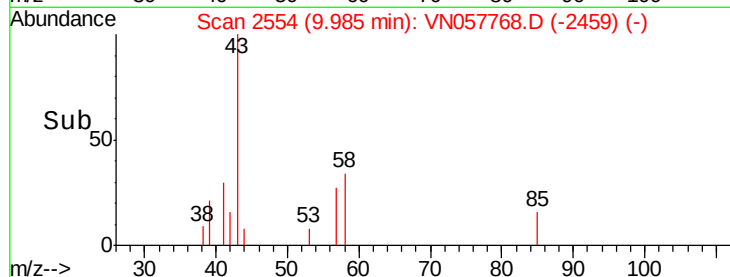
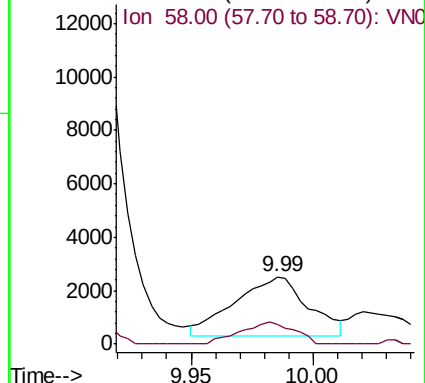
43 100

58 27.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.019 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

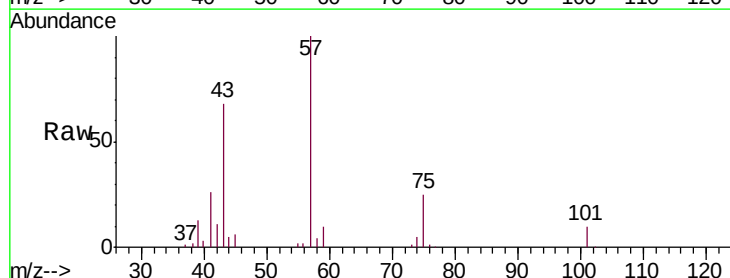
Tgt Ion: 75 Resp: 19610

Ion Ratio Lower Upper

75 100

77 1.4 25.1 37.7#

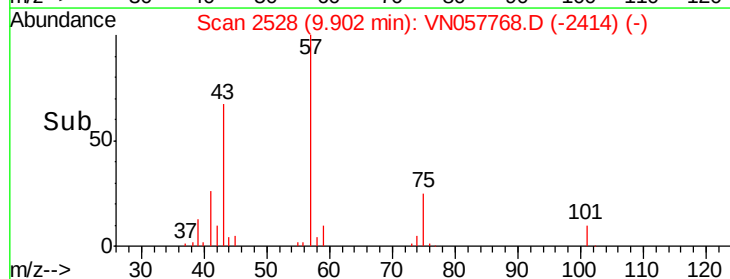
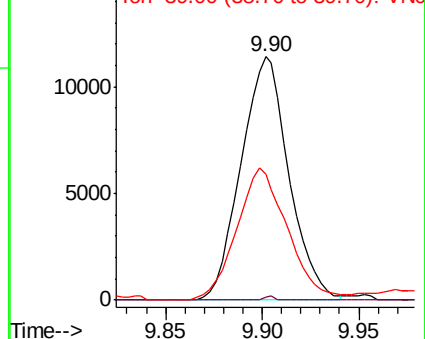
39 50.2 62.4 93.6#

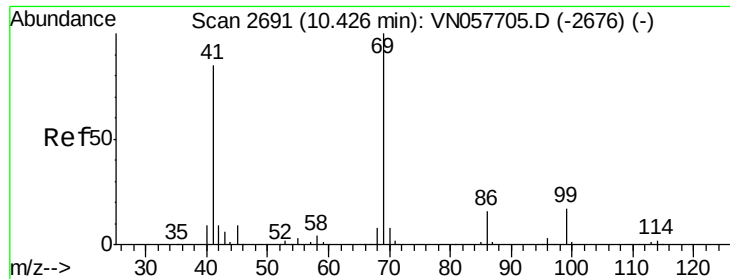


Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-2492) (-)

Ion 76.90 (76.60 to 77.60): VN057705.D (-2492) (-)

Ion 39.00 (38.70 to 39.70): VN057705.D (-2492) (-)





#56

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampled :

T12-E2-(0)

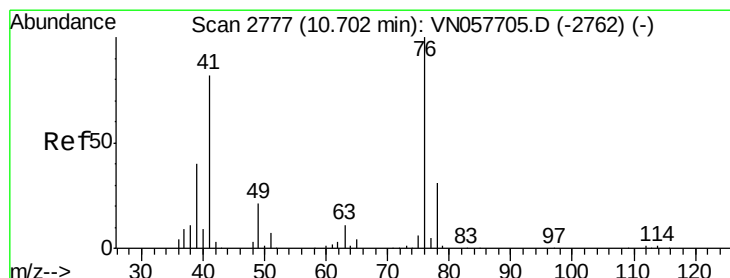
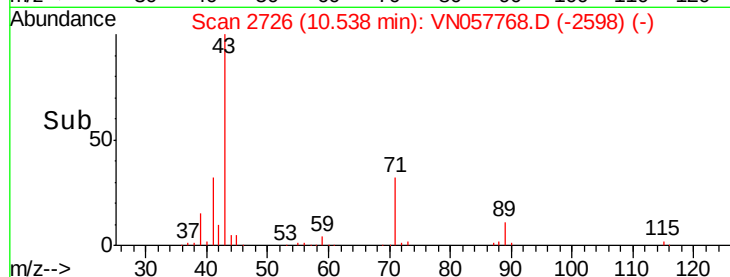
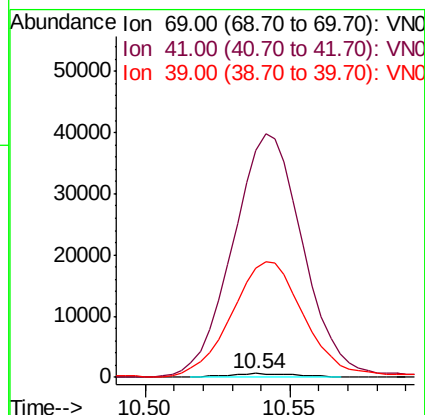
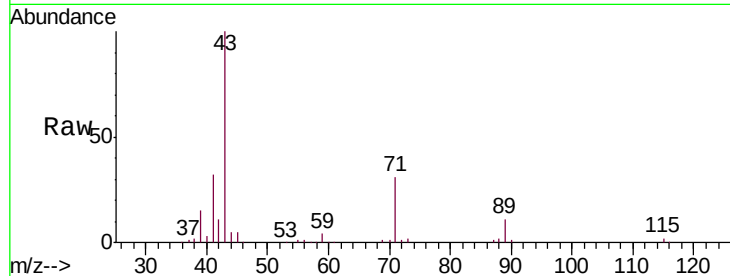
Tgt Ion: 69 Resp: 979

Ion Ratio Lower Upper

69 100

41 6884.8 69.0 103.4#

39 3376.8 49.2 73.8#



#57

1,3-Dichloropropane

Concen: 0.357 ug/l

RT: 10.77 min Scan# 2798

Delta R.T. 0.07 min

Lab File: VN057768.D

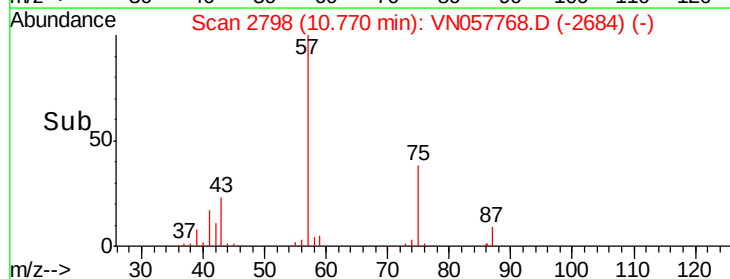
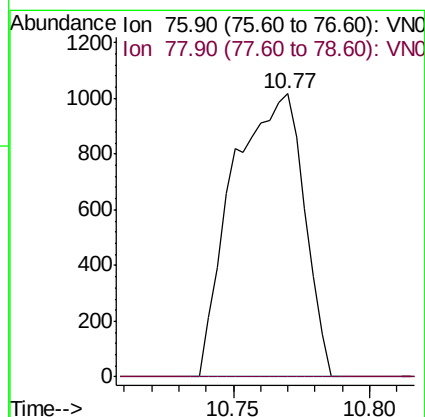
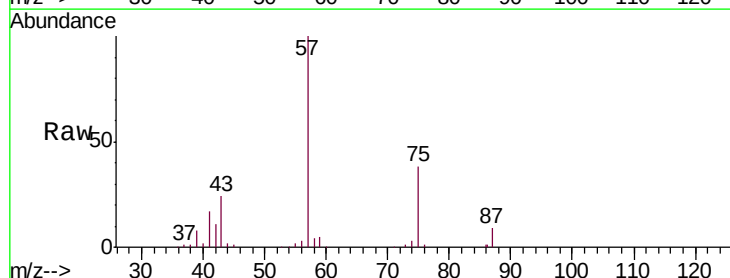
Acq: 7 Sep 2019 20:37

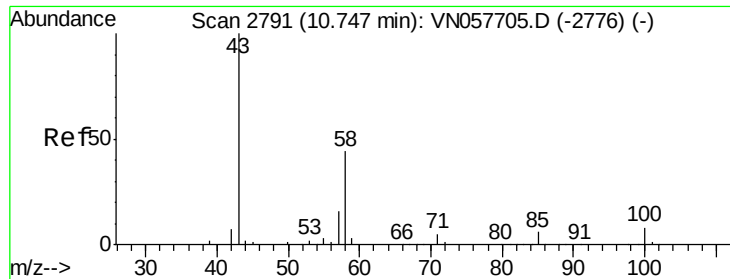
Tgt Ion: 76 Resp: 1845

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

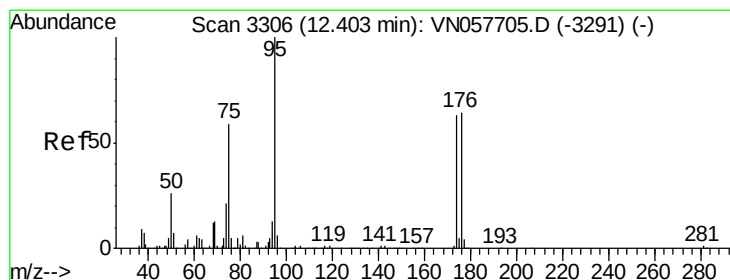
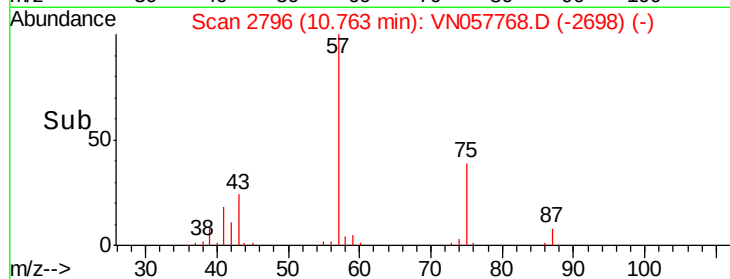
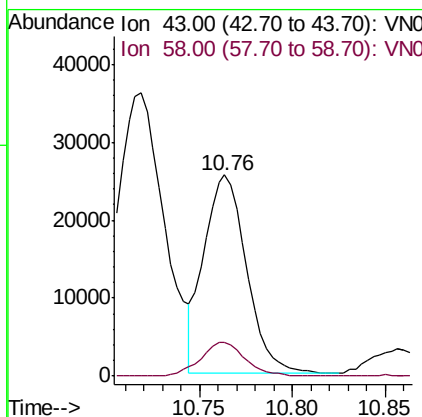
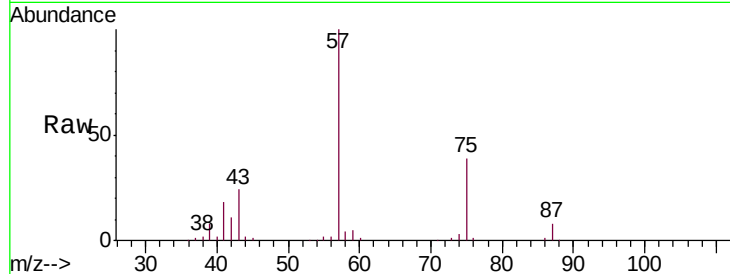




#59
2-Hexanone
Concen: 13.043 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

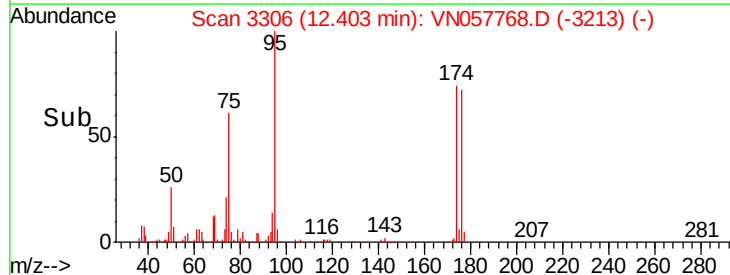
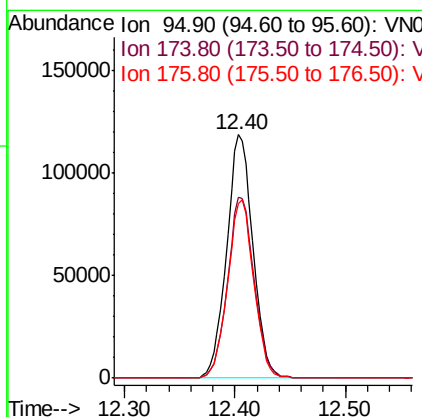
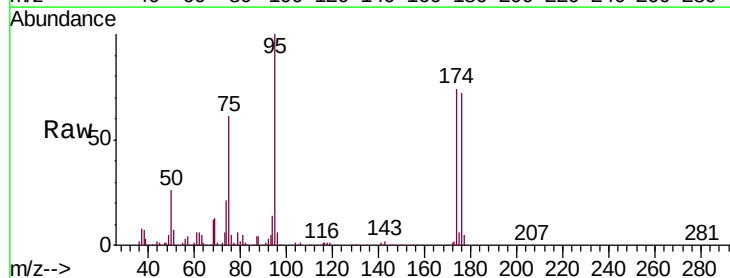
Instrument :
MSVOA_N
ClientSampled :
T12-E2-(0)

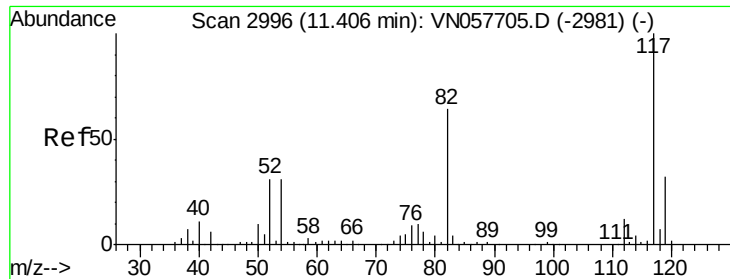
Tgt Ion: 43 Resp: 40629
Ion Ratio Lower Upper
43 100
58 17.8 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 44.622 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion: 95 Resp: 195941
Ion Ratio Lower Upper
95 100
174 75.3 0.0 128.0
176 73.0 0.0 128.0

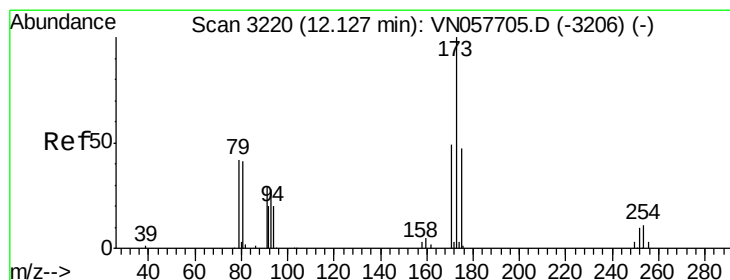
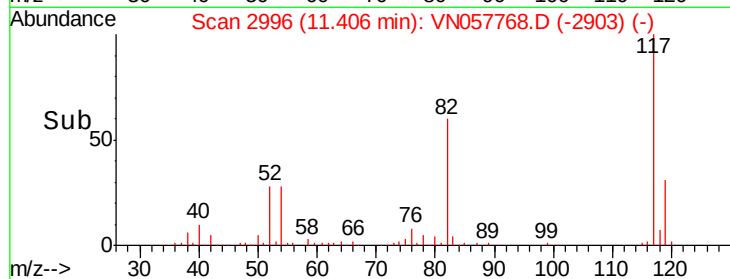
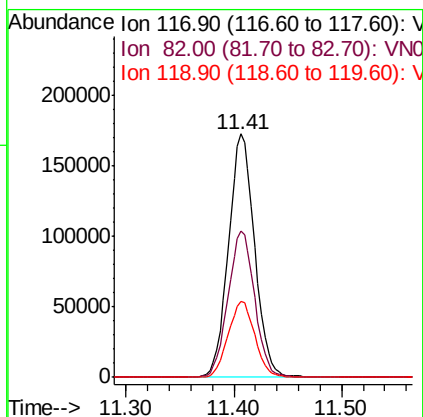
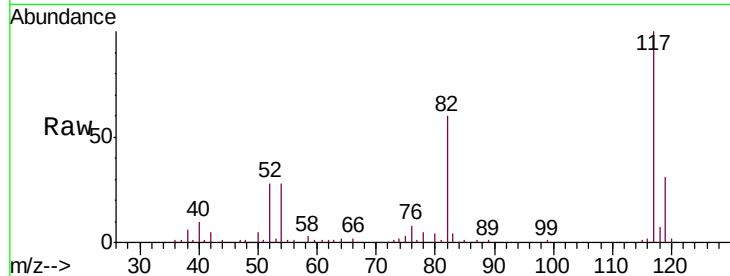




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

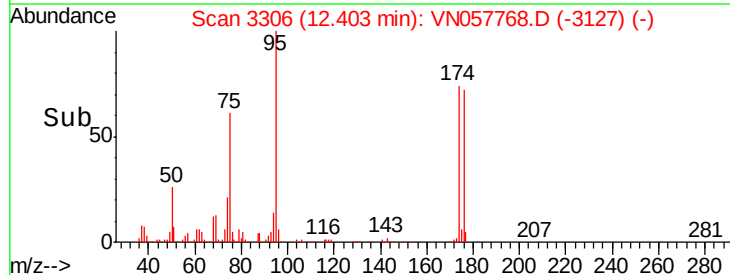
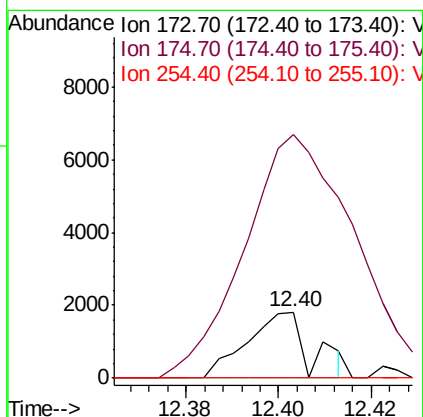
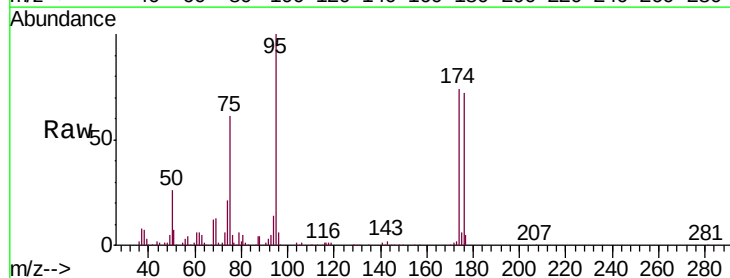
Instrument :
MSVOA_N
ClientSampleId :
T12-E2-(0)

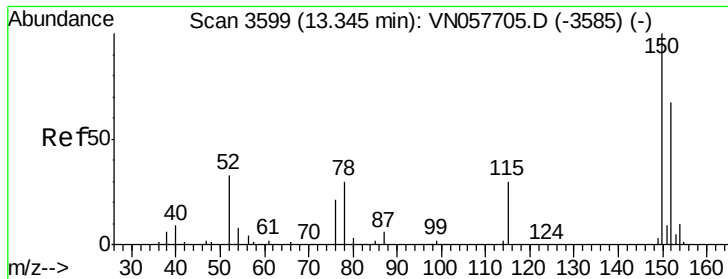
Tgt Ion:117 Resp: 291795
Ion Ratio Lower Upper
117 100
82 60.1 51.4 77.0
119 31.0 25.4 38.2



#71
Bromoform
Concen: 4.057 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057768.D
Acq: 7 Sep 2019 20:37

Tgt Ion:173 Resp: 1726
Ion Ratio Lower Upper
173 100
175 506.5 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

T12-E2-(0)

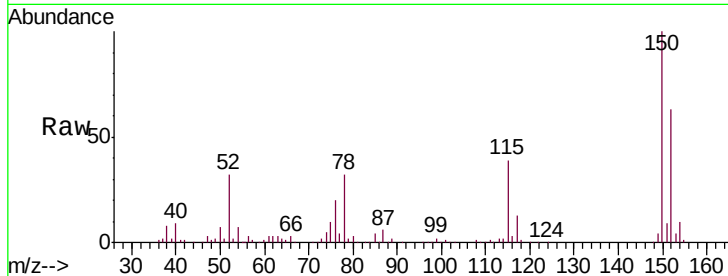
Tgt Ion:152 Resp: 151328

Ion Ratio Lower Upper

152 100

115 60.6 33.8 101.3

150 155.4 0.0 345.4

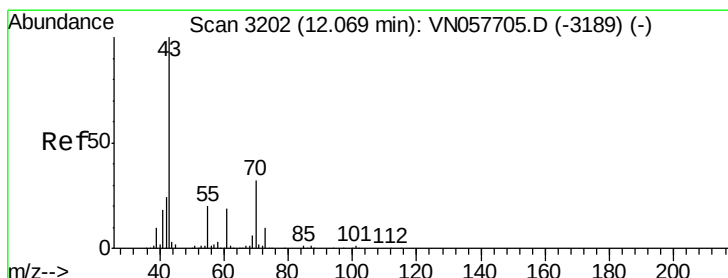
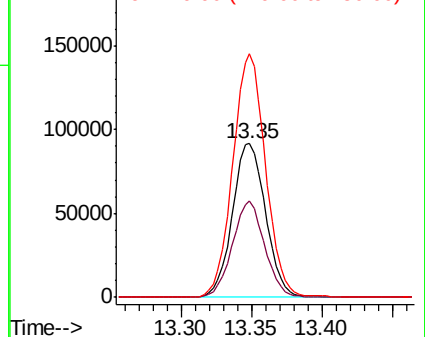
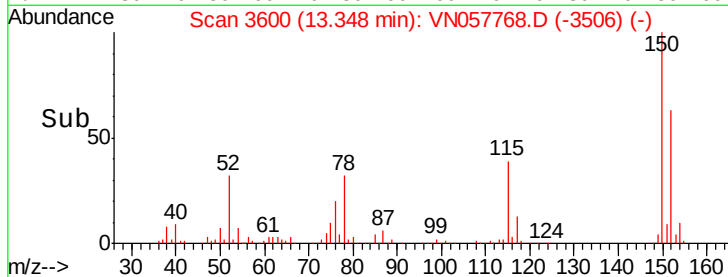


Abundance

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



#74

N-ethyl acetate

Concen: 0.519 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Tgt Ion: 43 Resp: 3466

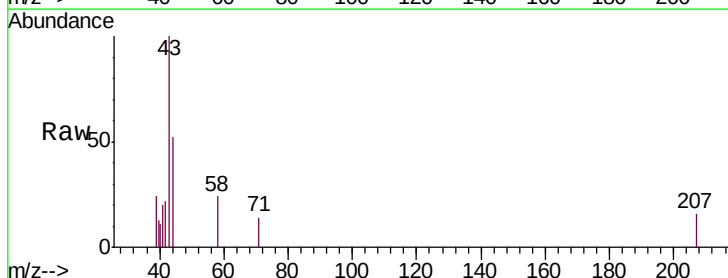
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 0.0 16.3 24.5#

61 0.0 15.0 22.4#



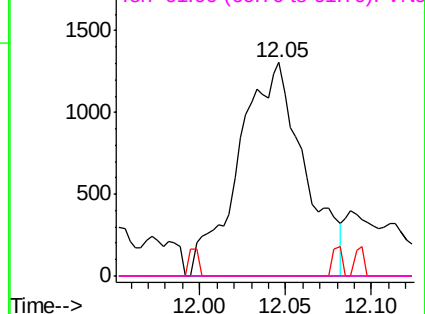
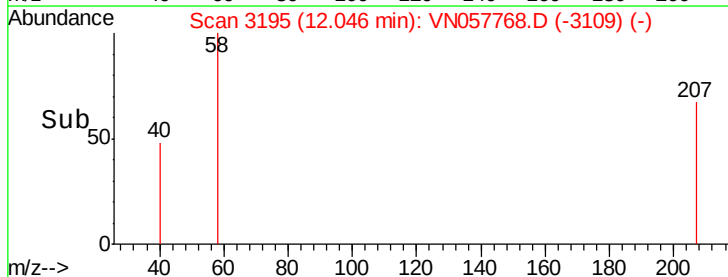
Abundance

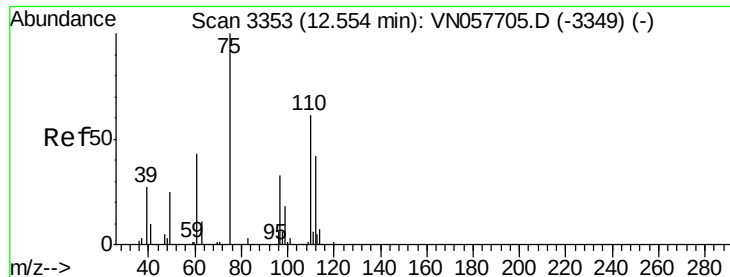
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.036 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

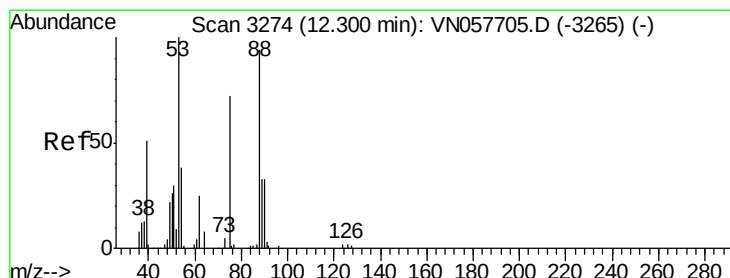
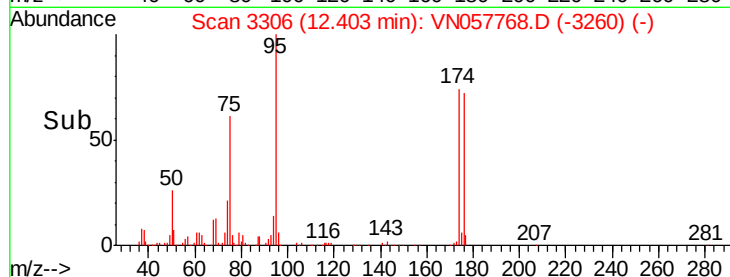
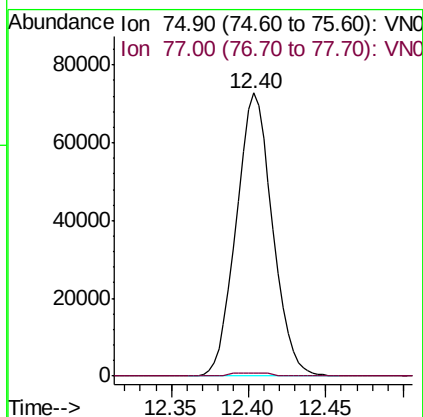
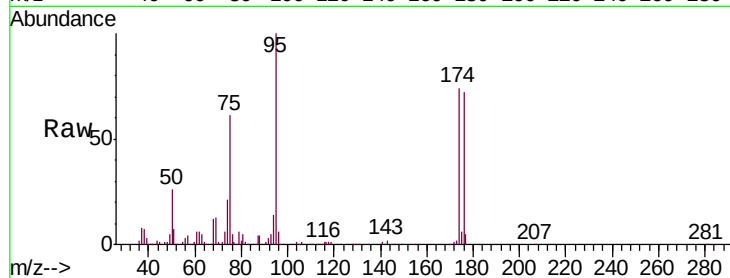
T12-E2-(0)

Tgt Ion: 75 Resp: 118276

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.851 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057768.D

Acq: 7 Sep 2019 20:37

Tgt Ion: 75 Resp: 118276

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

