

Data File : VN057769.D
Acq On : 7 Sep 2019 20:59
Operator : JC/SP
Sample : K4601-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-E3-(0)

Quant Time: Sep 08 06:40:35 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	195140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	319149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	283302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	229999	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.58	113	140113	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	535217	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	195209	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	

Target Compounds

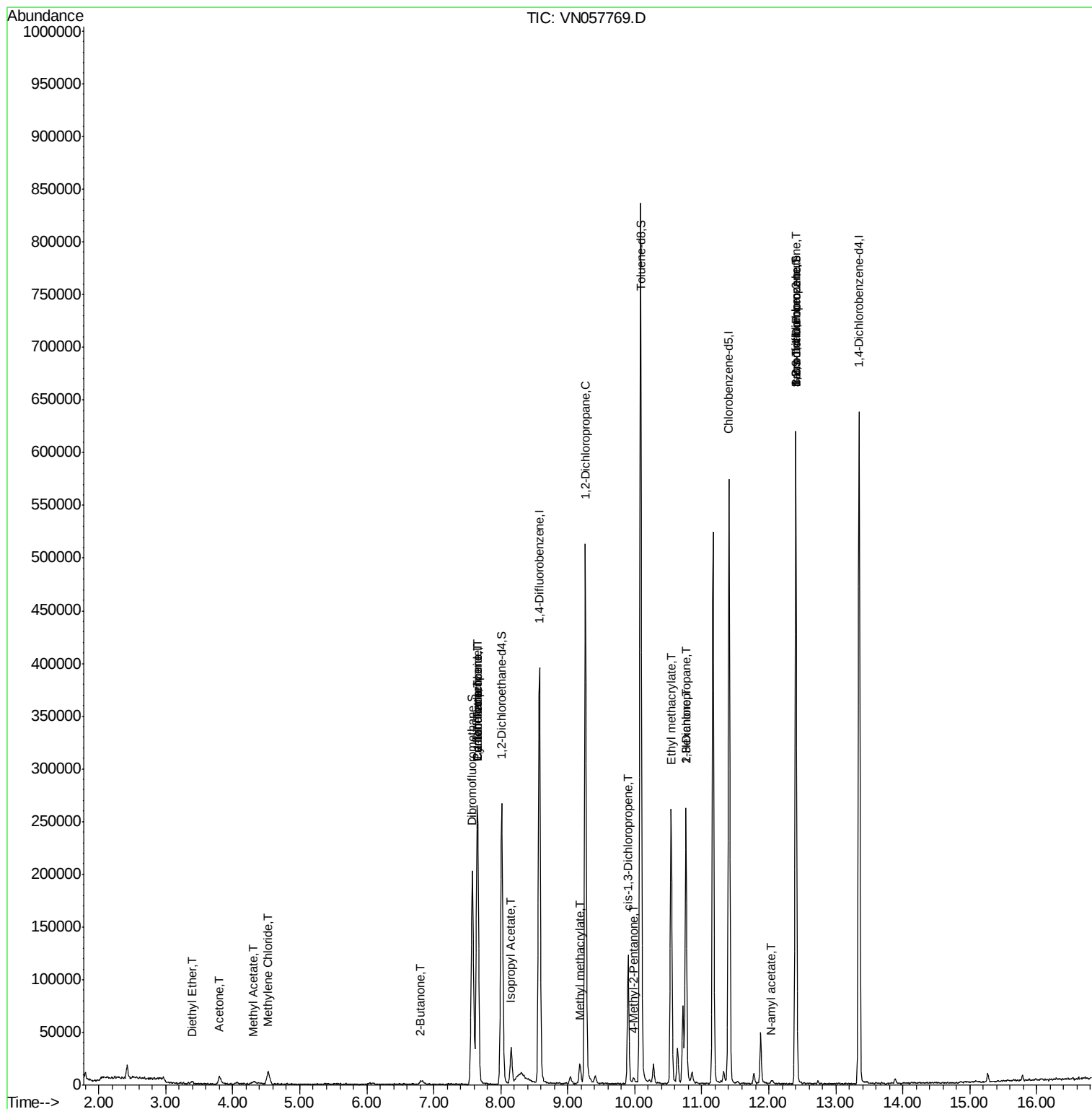
					Qvalue
3) Chloromethane	2.04	50	581	Below Cal	93
8) Diethyl Ether	3.40	74	550	0.320 ug/l	88
16) Acetone	3.81	43	13111	8.975 ug/l	100
18) Methyl Acetate	4.31	43	2196	0.553 ug/l #	84
20) Methylene Chloride	4.53	84	8006	2.535 ug/l	91
25) 2-Butanone	6.81	43	467	0.223 ug/l #	55
31) Cyclohexane	7.65	56	6172	1.158 ug/l #	26
36) 1,1-Dichloropropene	7.65	75	18461	4.348 ug/l #	49
38) Carbon Tetrachloride	7.65	117	21674	5.331 ug/l #	18
43) Isopropyl Acetate	8.15	43	40693	5.030 ug/l	99
45) 1,2-Dichloropropane	9.26	63	703	0.209 ug/l #	44
48) Methyl methacrylate	9.17	41	3788	0.910 ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	3157	0.703 ug/l #	80
54) cis-1,3-Dichloropropene	9.90	75	16878	3.401 ug/l #	70
56) Ethyl methacrylate	10.54	69	1100	0.235 ug/l #	1
57) 1,3-Dichloropropane	10.76	76	2143	0.407 ug/l #	43
59) 2-Hexanone	10.76	43	43892	13.853 ug/l #	60
71) Bromoform	12.41	173	1042	3.749 ug/l #	1
74) N-amyl acetate	12.03	43	2817	0.431 ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	114423	33.663 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	114423	104.692 ug/l #	1

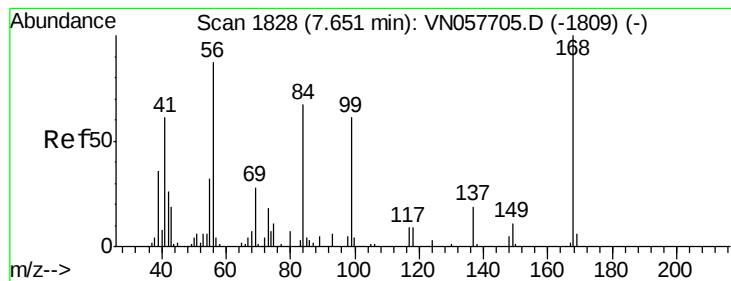
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

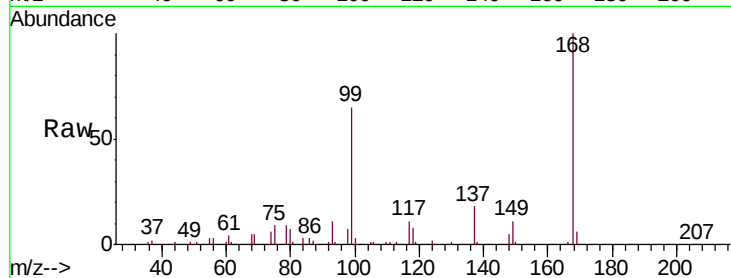
T12-E3-(0)

Tgt Ion:168 Resp: 195140

Ion Ratio Lower Upper

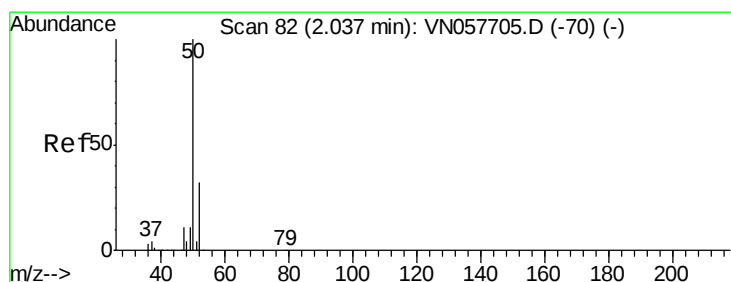
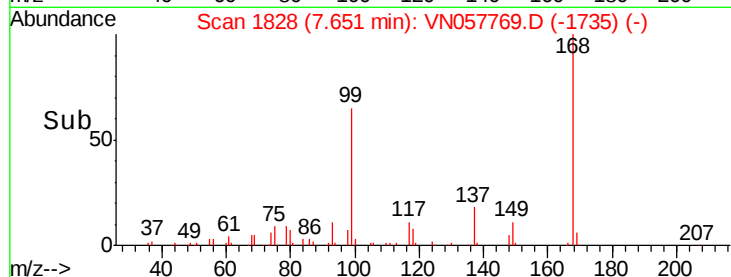
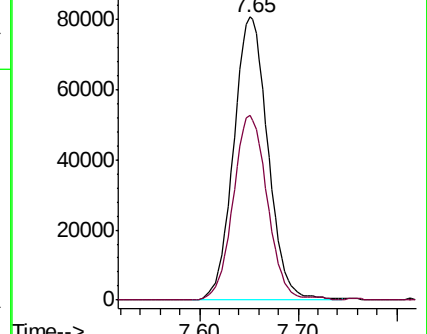
168 100

99 65.2 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: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057769.D

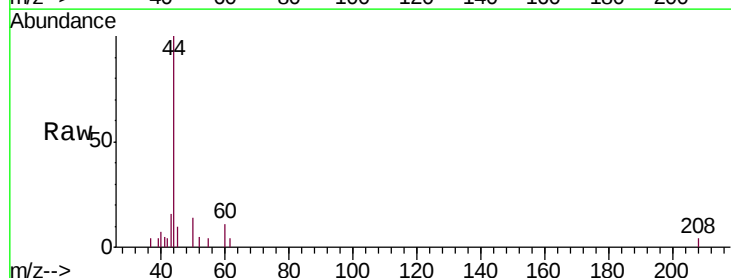
Acq: 7 Sep 2019 20:59

Tgt Ion: 50 Resp: 581

Ion Ratio Lower Upper

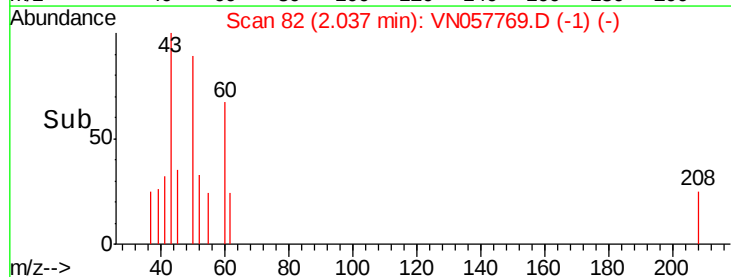
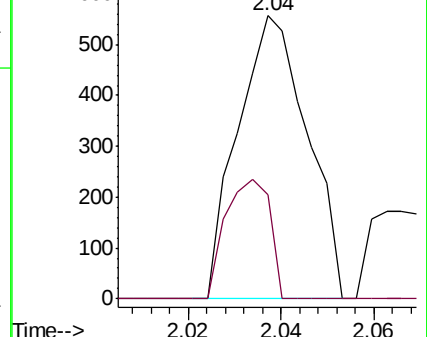
50 100

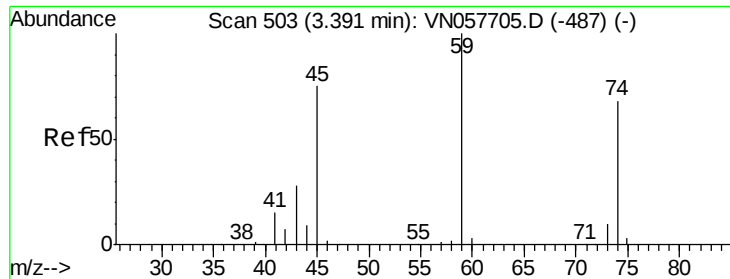
52 36.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

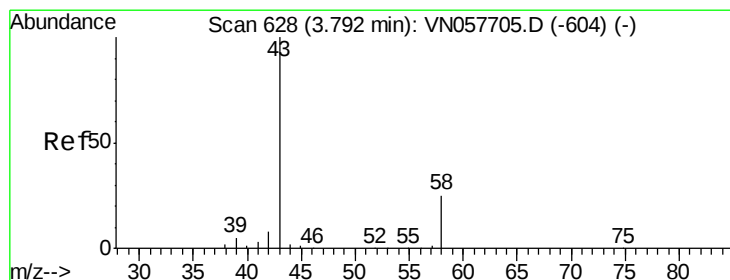
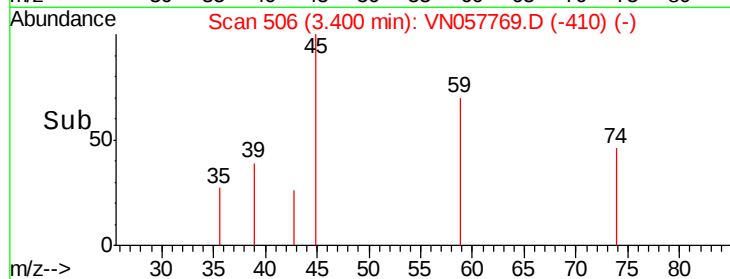
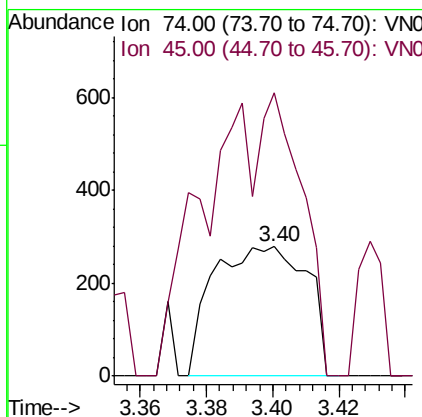
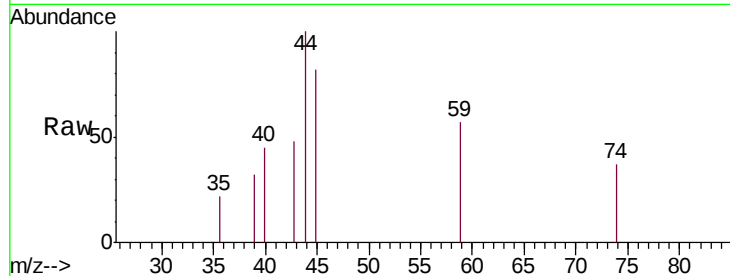




#8
Diethyl Ether
Concen: 0.320 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

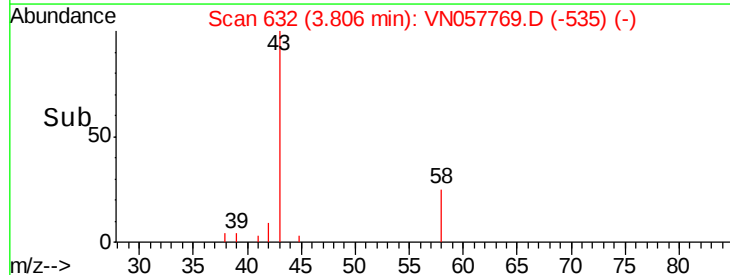
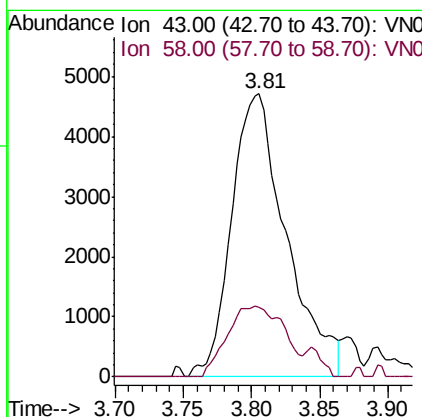
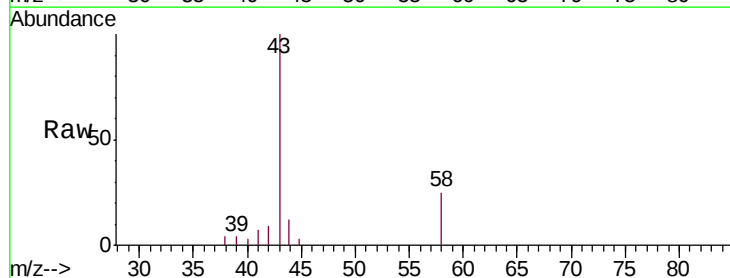
Instrument :
MSVOA_N
ClientSampled :
T12-E3-(0)

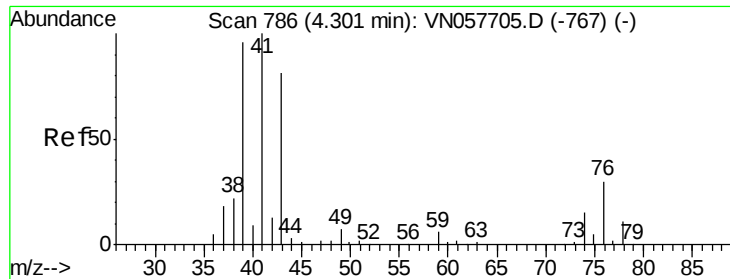
Tgt Ion: 74 Resp: 550
Ion Ratio Lower Upper
74 100
45 122.9 55.4 166.0



#16
Acetone
Concen: 8.975 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

Tgt Ion: 43 Resp: 13111
Ion Ratio Lower Upper
43 100
58 24.7 19.8 29.8

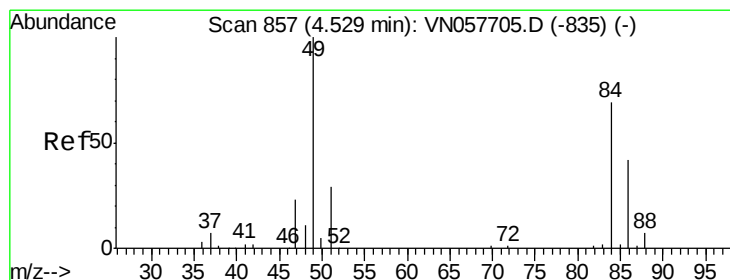
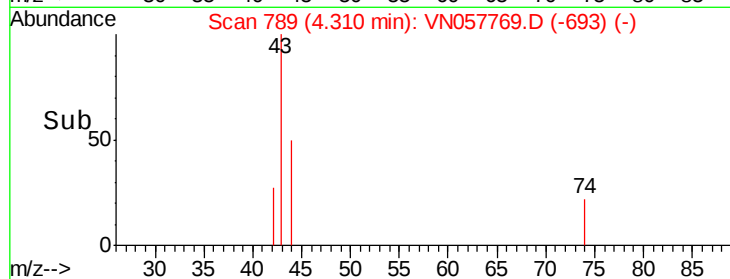
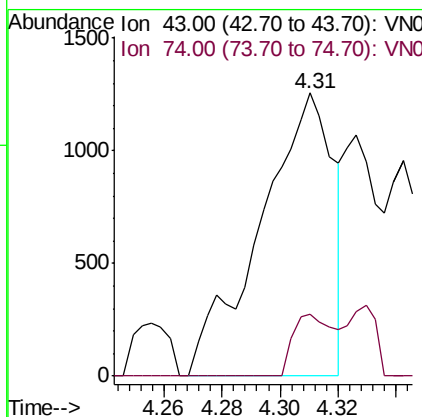
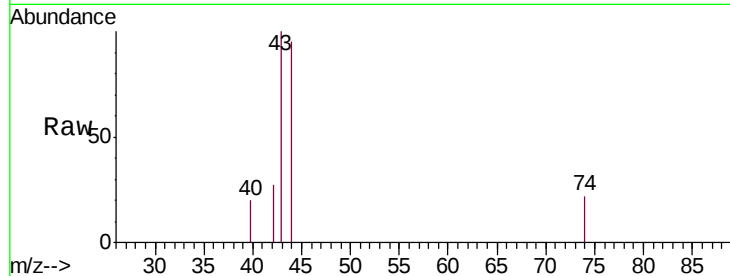




#18
Methyl Acetate
Concen: 0.553 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

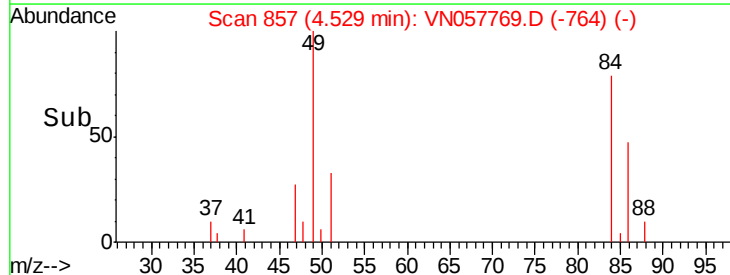
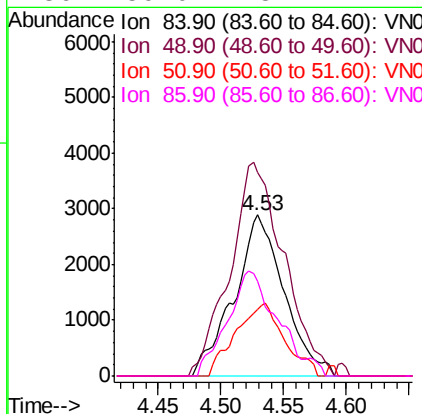
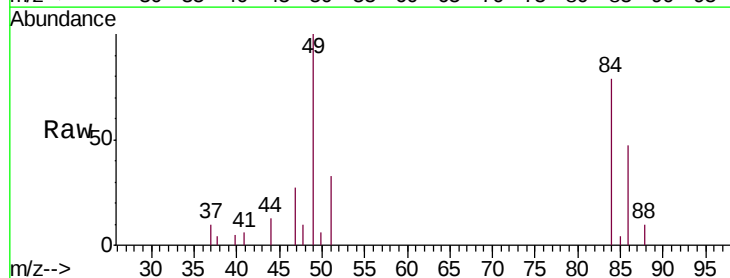
Instrument :
MSVOA_N
ClientSampled :
T12-E3-(0)

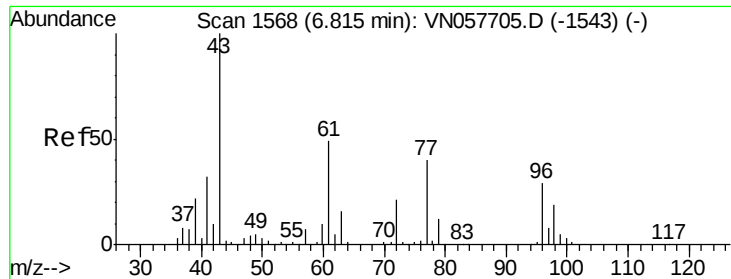
Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
74 12.1 15.3 22.9#



#20
Methylene Chloride
Concen: 2.535 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

Tgt Ion: 84 Resp: 8006
Ion Ratio Lower Upper
84 100
49 126.6 115.0 172.6
51 41.5 33.8 50.8
86 59.0 48.2 72.2

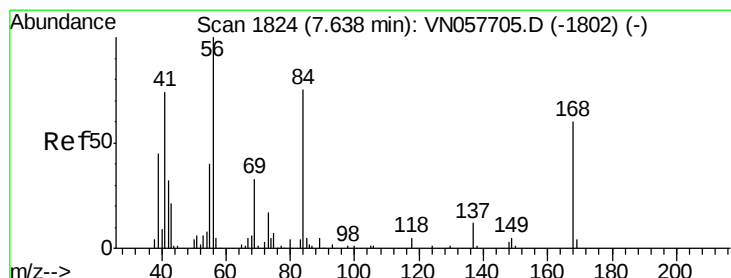
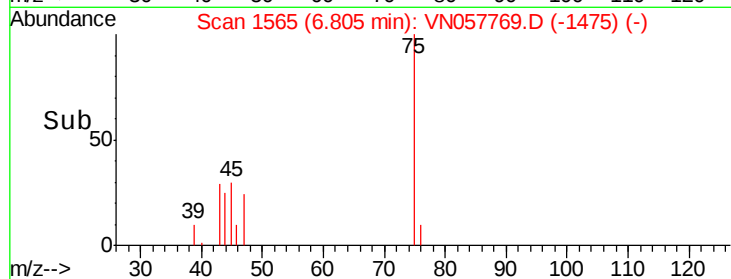
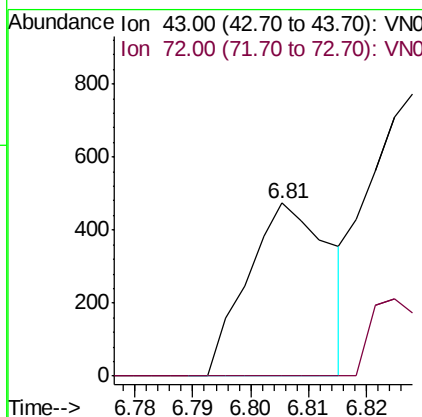
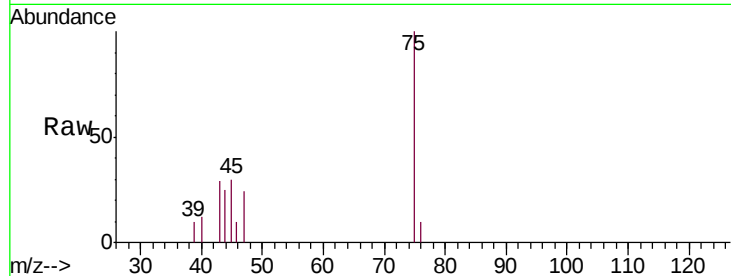




#25
2-Butanone
Concen: 0.223 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

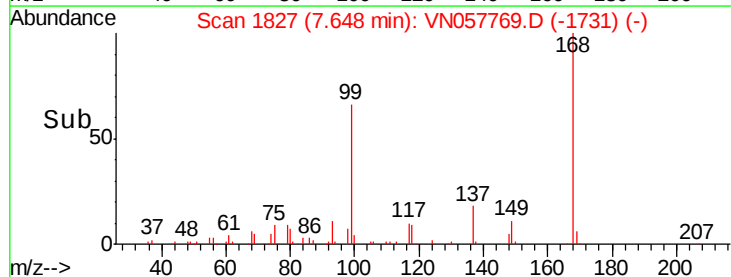
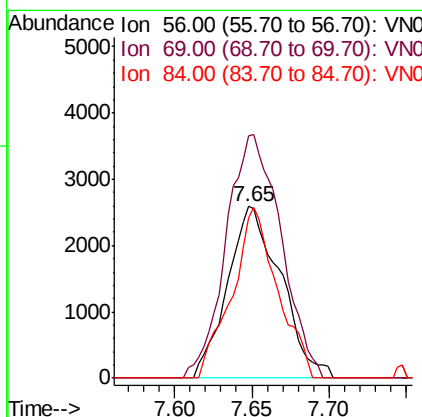
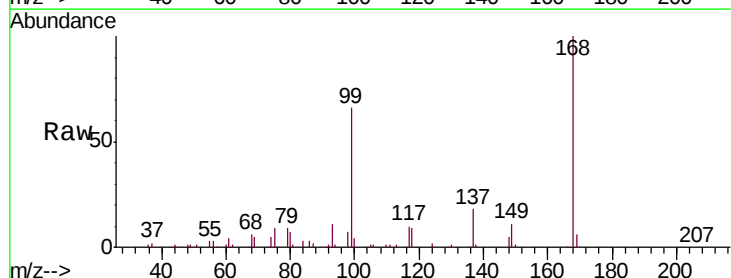
Instrument :
MSVOA_N
ClientSampleId :
T12-E3-(0)

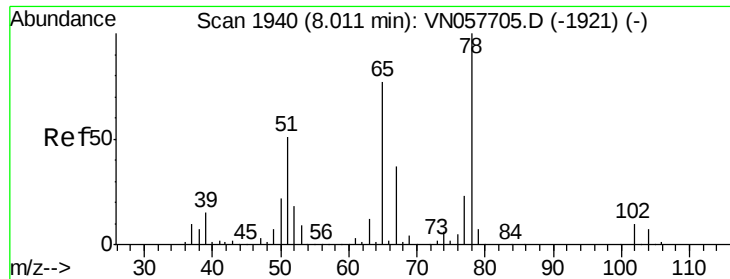
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057769.D
Acq: 7 Sep 2019 20:59

Tgt Ion: 56 Resp: 6172
Ion Ratio Lower Upper
56 100
69 141.3 26.2 39.2#
84 93.4 59.8 89.8#

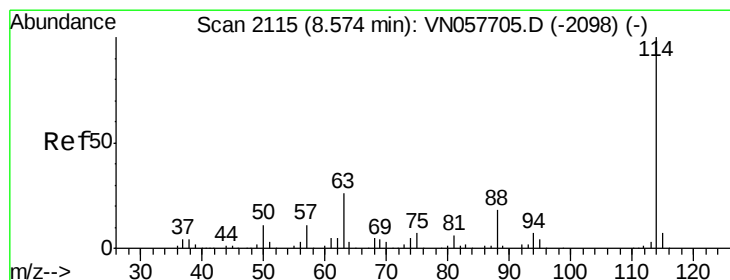
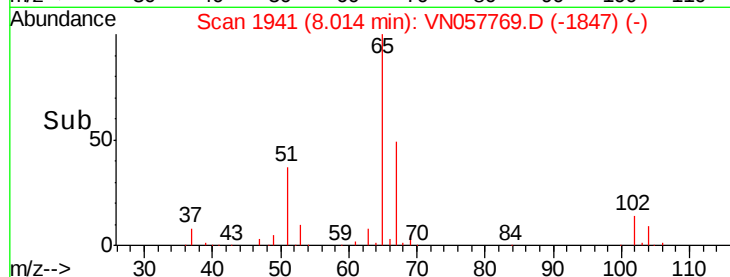
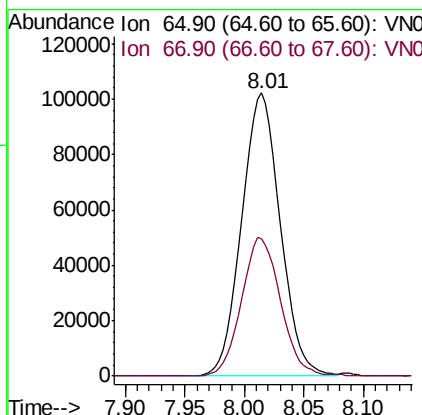
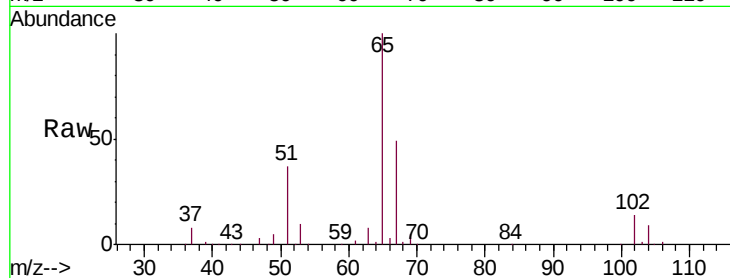




#33
 1,2-Dichloroethane-d4
 Concen: 48.450 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

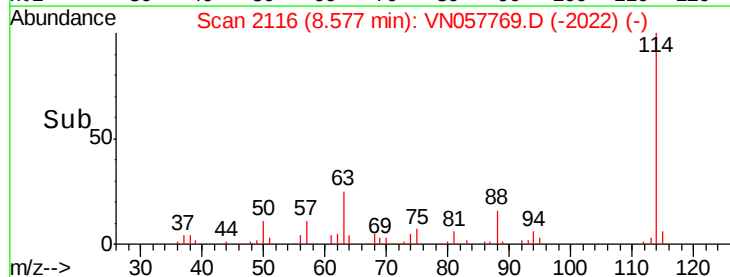
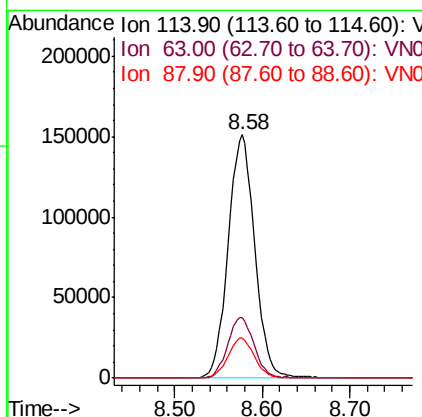
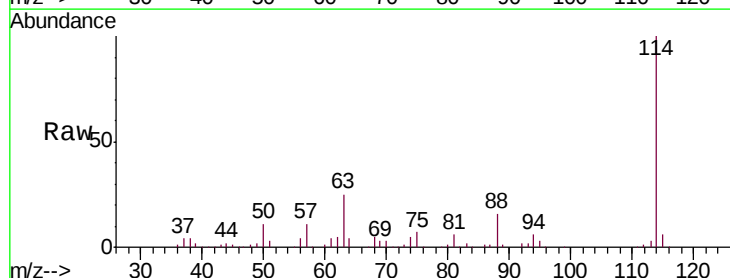
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(0)

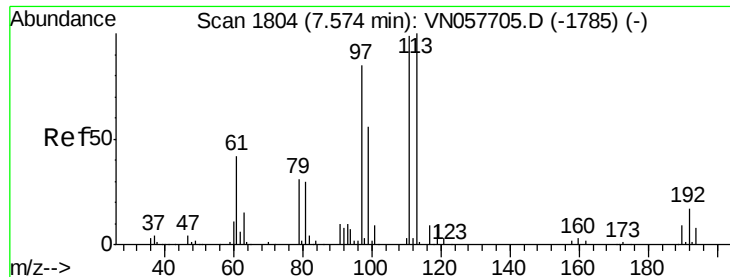
Tgt Ion: 65 Resp: 229999
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Tgt Ion: 114 Resp: 319149
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 52.4
 88 16.4 0.0 35.4

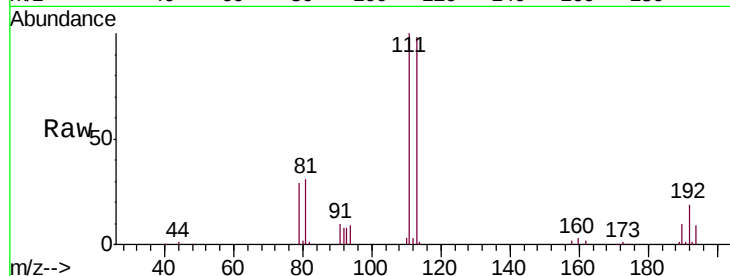




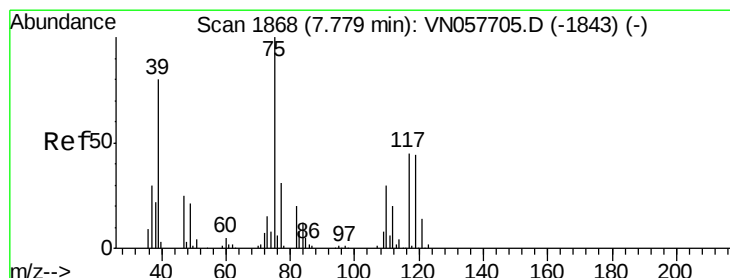
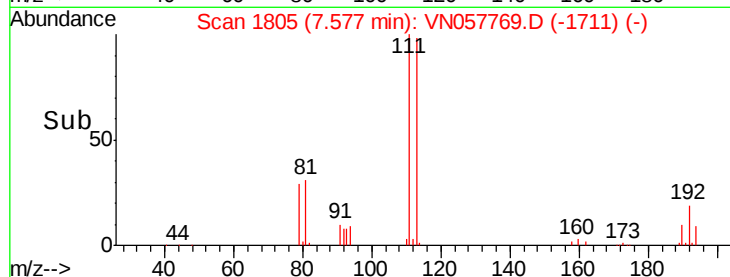
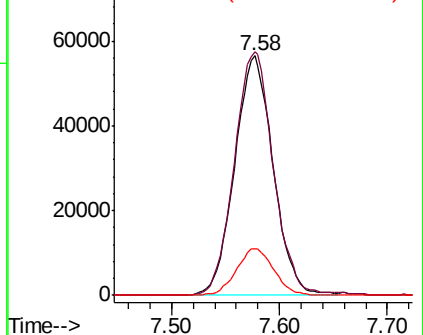
#35
 Dibromofluoromethane
 Concen: 48.199 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(0)

Tgt Ion: 113 Resp: 140113
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 18.9 13.8 20.6

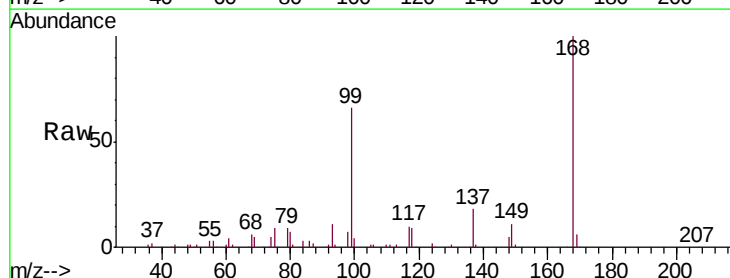


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

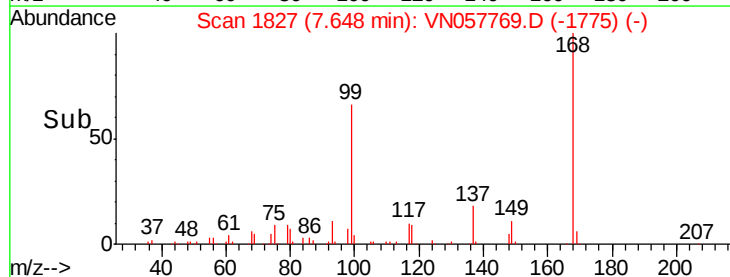
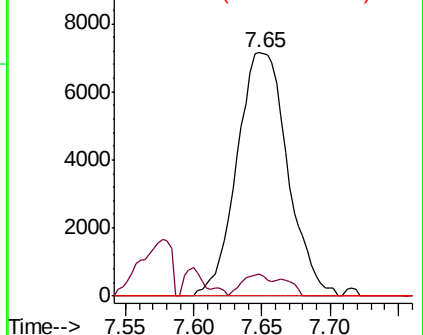


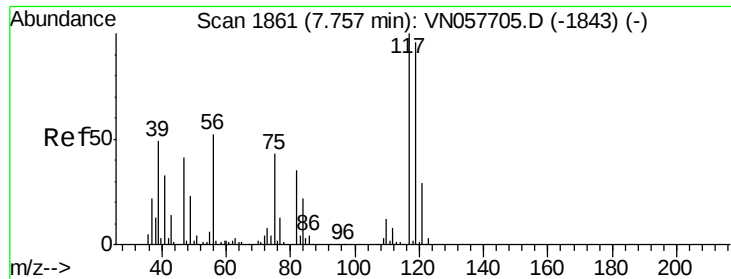
#36
 1,1-Dichloropropene
 Concen: 4.348 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Tgt Ion: 75 Resp: 18461
 Ion Ratio Lower Upper
 75 100
 110 4.8 15.0 45.0#
 77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.331 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(0)

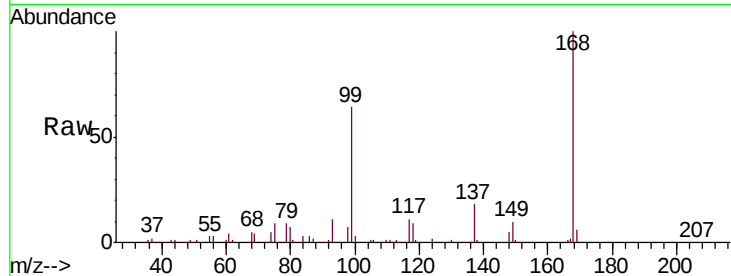
Tgt Ion:117 Resp: 21674

Ion Ratio Lower Upper

117 100

119 6.8 76.1 114.1#

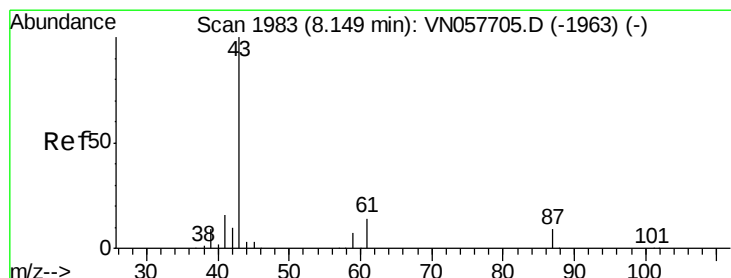
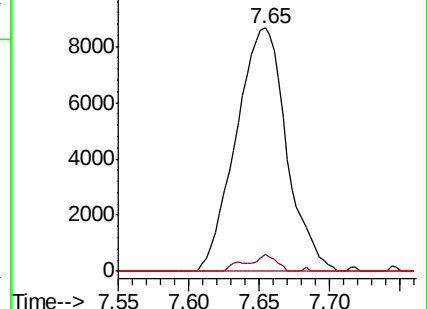
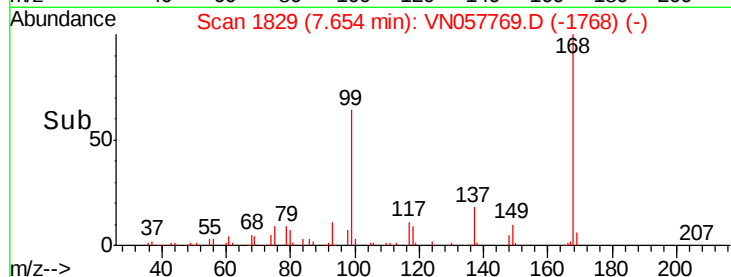
121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 5.030 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

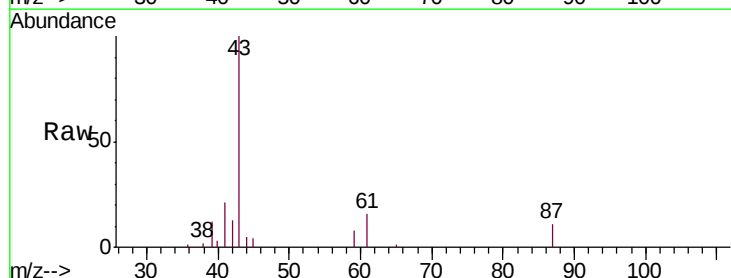
Tgt Ion: 43 Resp: 40693

Ion Ratio Lower Upper

43 100

61 15.6 12.8 19.2

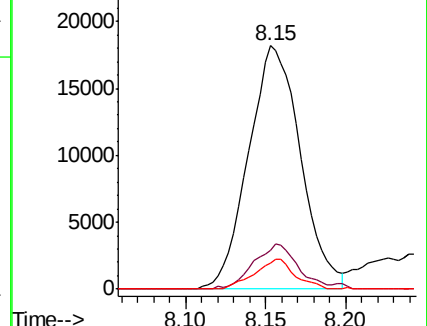
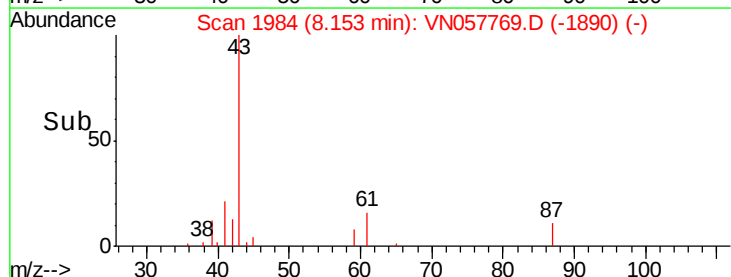
87 9.5 7.8 11.8

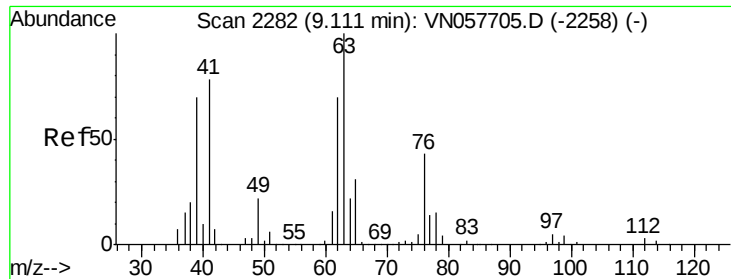


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

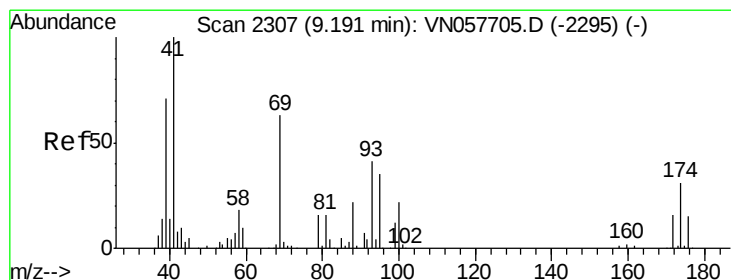
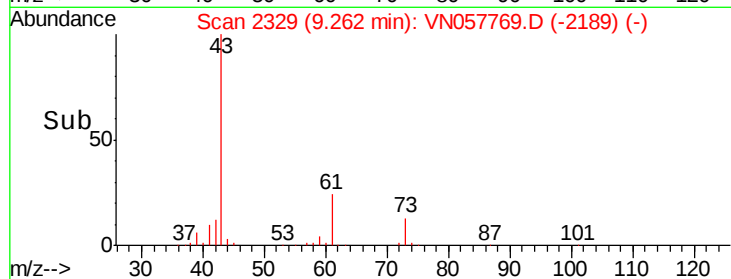
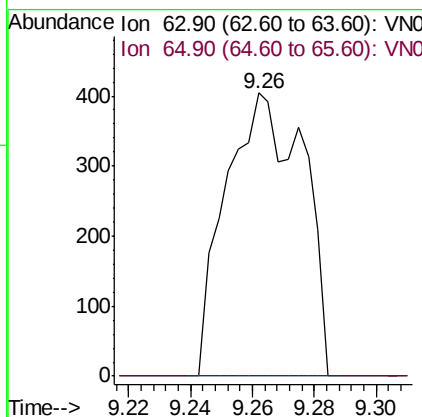
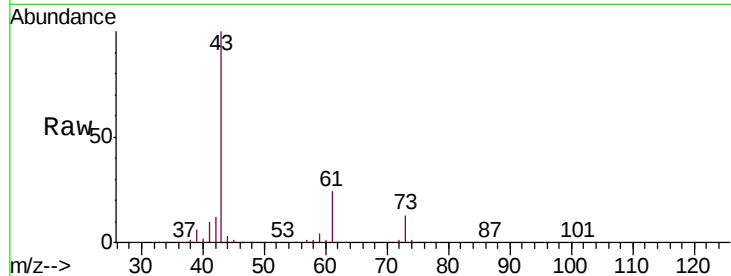




#45
 1,2-Dichloropropane
 Concen: 0.209 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.15 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

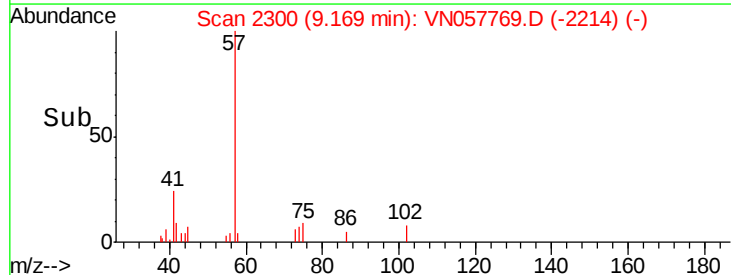
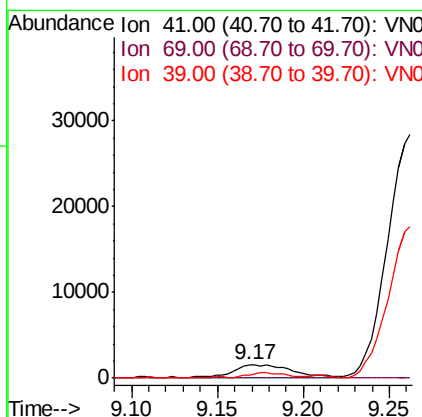
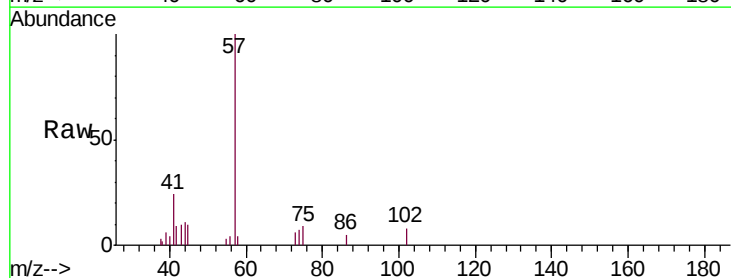
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(0)

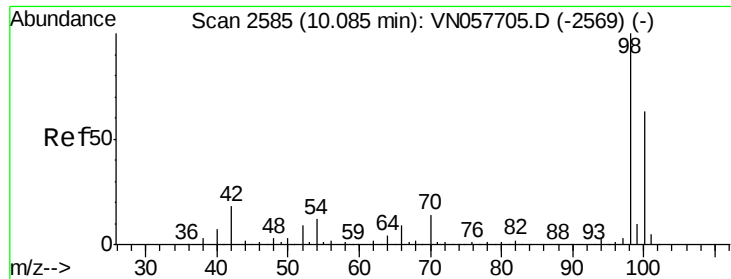
Tgt Ion: 63 Resp: 703
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.5 36.7#



#48
 Methyl methacrylate
 Concen: 0.910 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Tgt Ion: 41 Resp: 3788
 Ion Ratio Lower Upper
 41 100
 69 0.0 51.2 76.8#
 39 0.0 57.3 85.9#





#50

Toluene-d8

Concen: 49.771 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

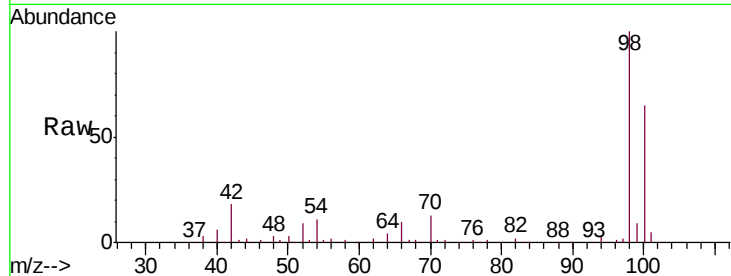
T12-E3-(0)

Tgt Ion: 98 Resp: 535217

Ion Ratio Lower Upper

98 100

100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057705.D (-2569) (-)

10.09

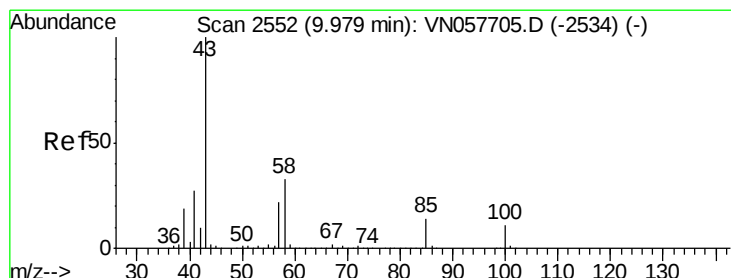
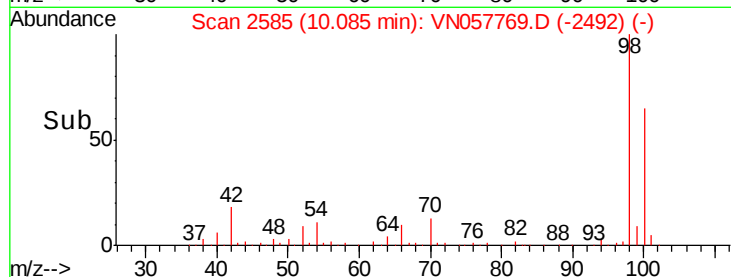
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.703 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057769.D

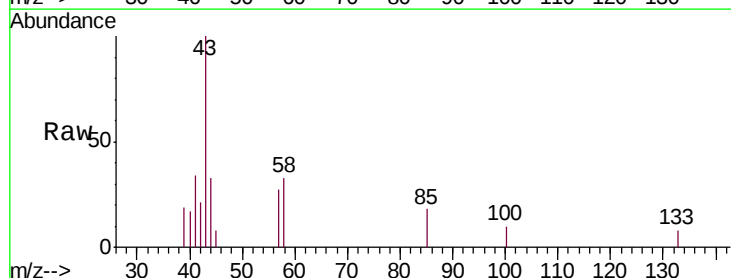
Acq: 7 Sep 2019 20:59

Tgt Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

58 43.8 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) (-)

9.98

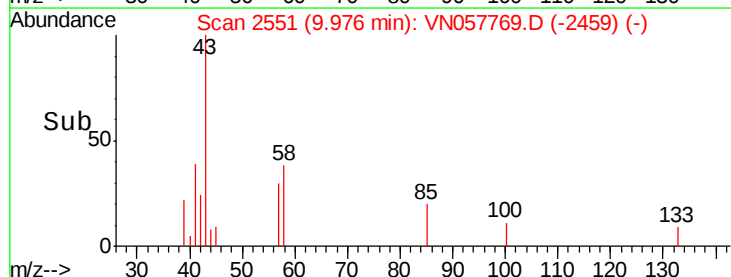
3000

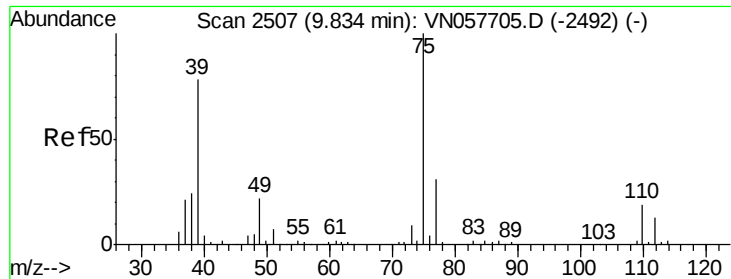
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 3.401 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(0)

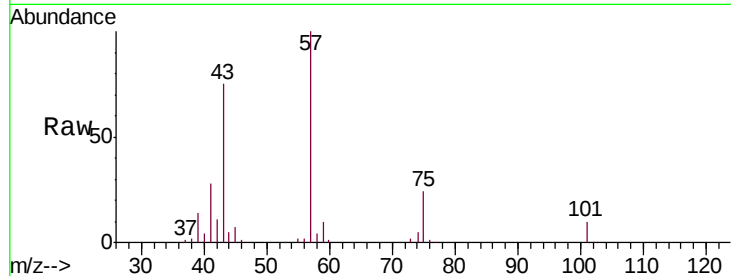
Tgt Ion: 75 Resp: 16878

Ion Ratio Lower Upper

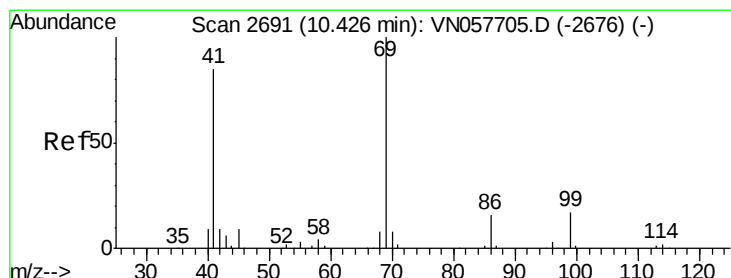
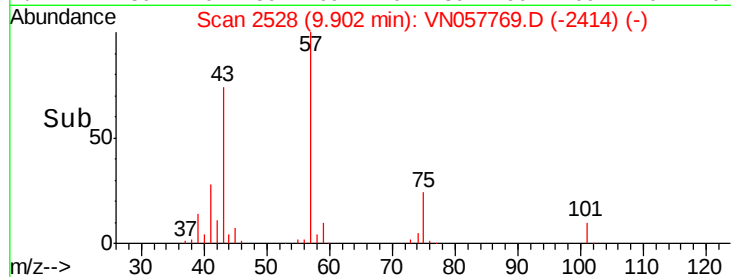
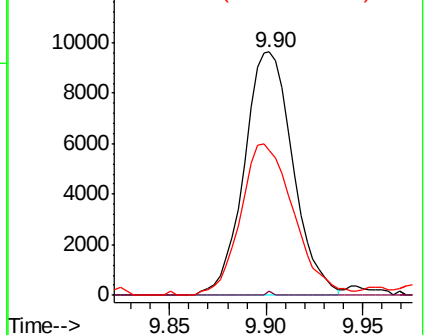
75 100

77 1.6 25.1 37.7#

39 59.8 62.4 93.6#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.235 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

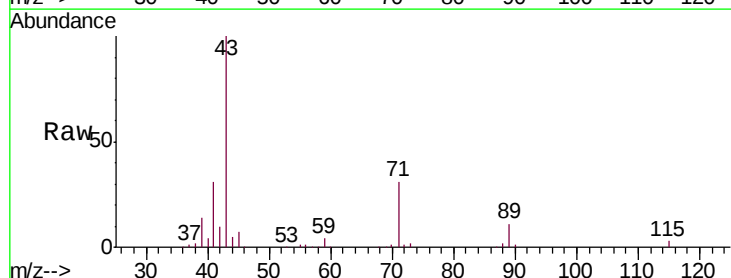
Tgt Ion: 69 Resp: 1100

Ion Ratio Lower Upper

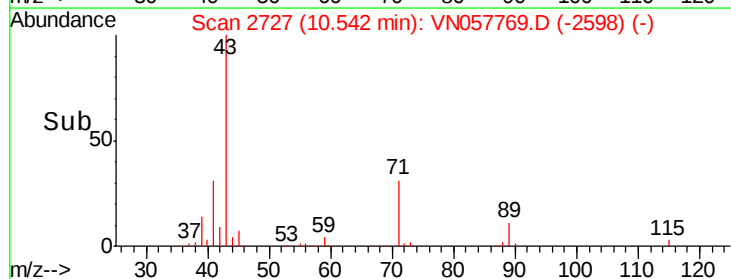
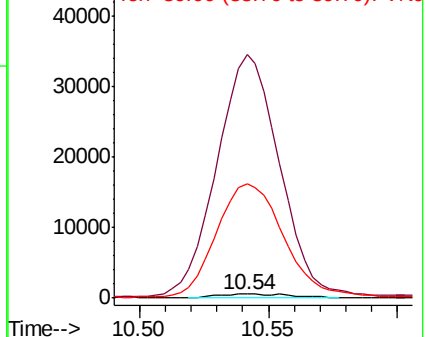
69 100

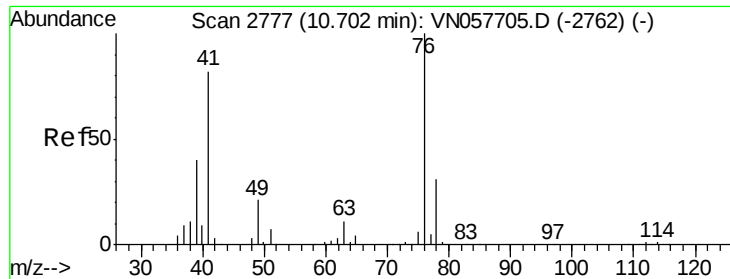
41 5291.1 69.0 103.4#

39 2742.1 49.2 73.8#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

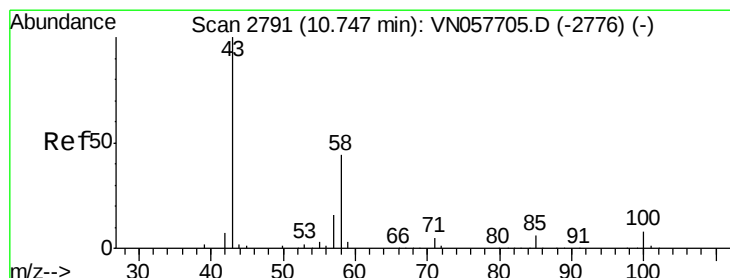
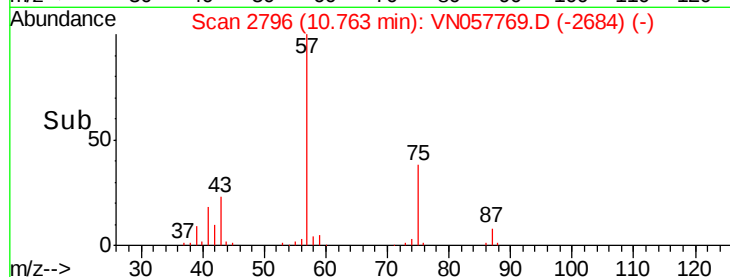
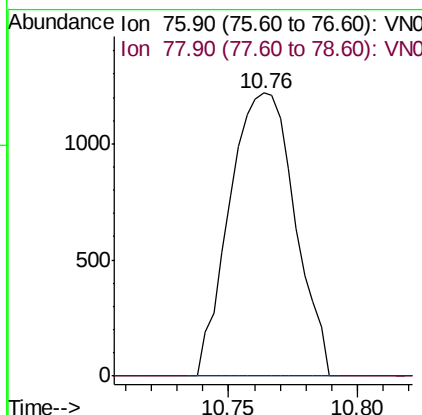
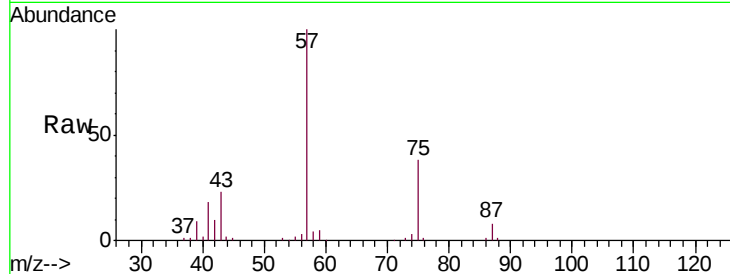




#57
 1,3-Dichloropropane
 Concen: 0.407 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

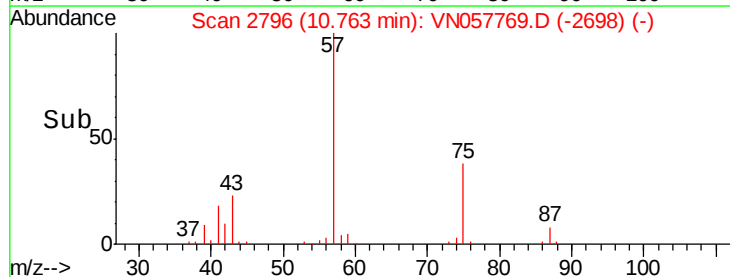
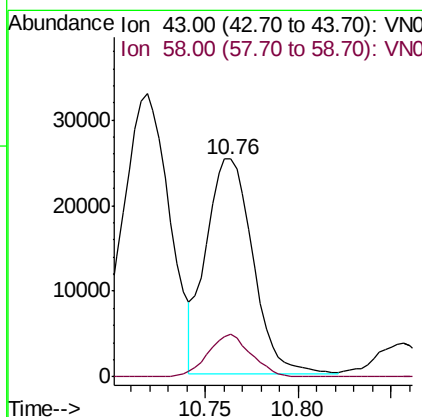
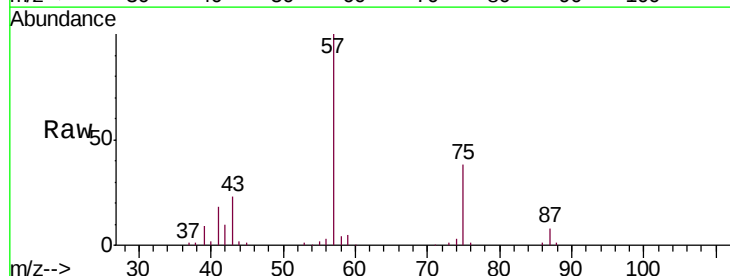
Instrument :
 MSVOA_N
 ClientSampled :
 T12-E3-(0)

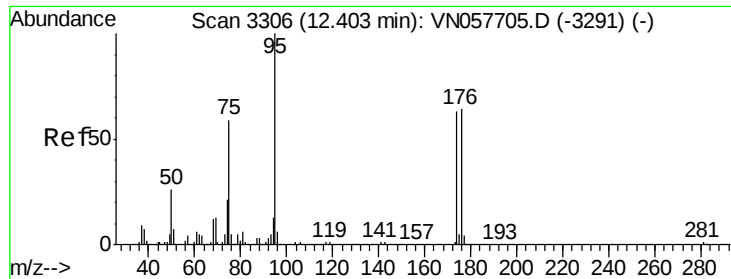
Tgt Ion: 76 Resp: 2143
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 13.853 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Tgt Ion: 43 Resp: 43892
 Ion Ratio Lower Upper
 43 100
 58 18.4 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 43.705 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(0)

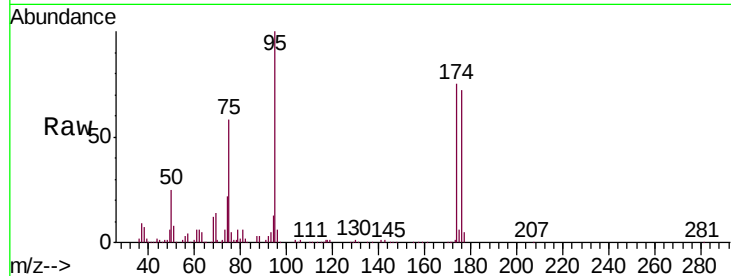
Tgt Ion: 95 Resp: 195209

Ion Ratio Lower Upper

95 100

174 73.6 0.0 128.0

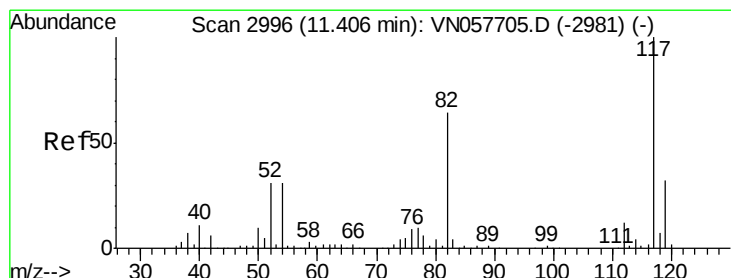
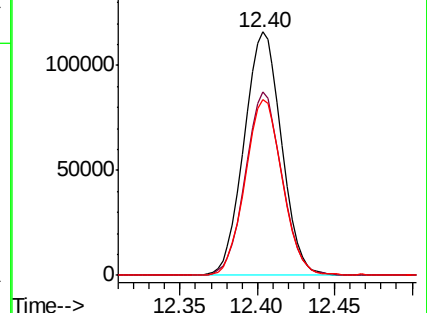
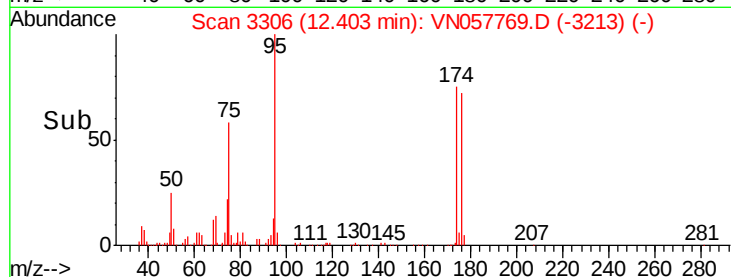
176 71.8 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057769.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN057769.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN057769.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

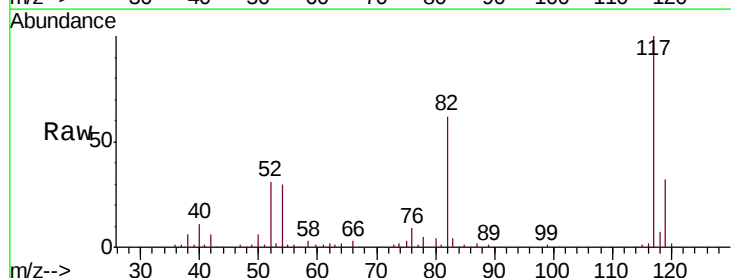
Tgt Ion: 117 Resp: 283302

Ion Ratio Lower Upper

117 100

82 61.8 51.4 77.0

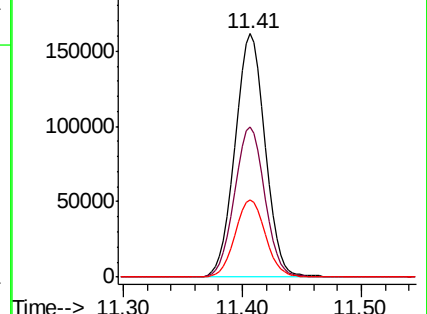
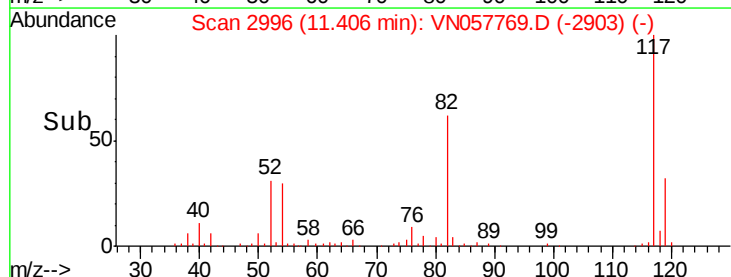
119 31.9 25.4 38.2

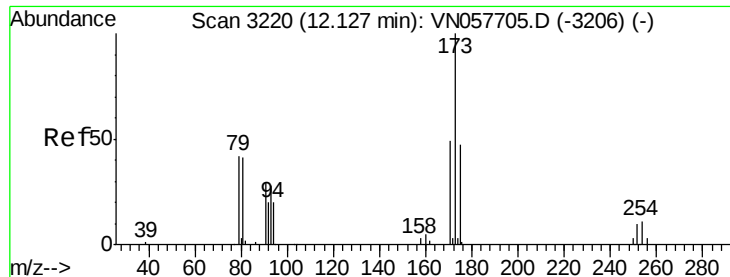


Abundance Ion 116.90 (116.60 to 117.60): VN057769.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057769.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057769.D (-2903) (-)





#71

Bromoform

Concen: 3.749 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(0)

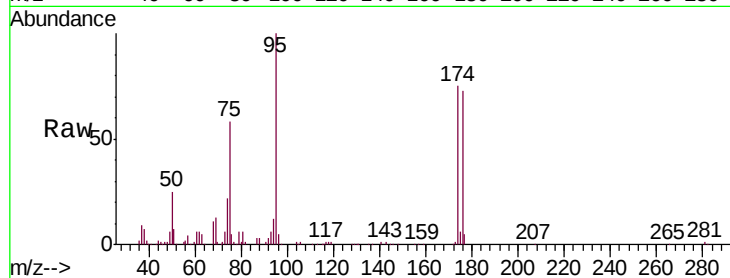
Tgt Ion:173 Resp: 1042

Ion Ratio Lower Upper

173 100

175 940.4 24.6 73.8#

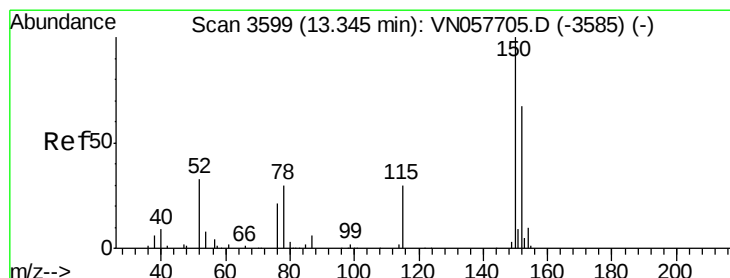
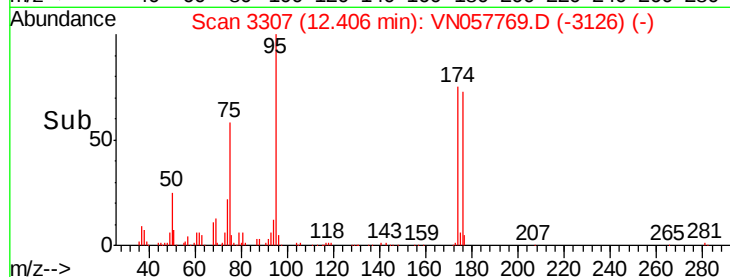
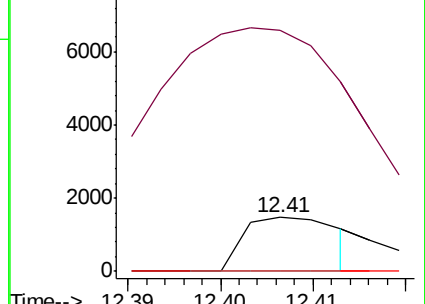
254 0.0 0.0 0.0



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: VN057769.D

Acq: 7 Sep 2019 20:59

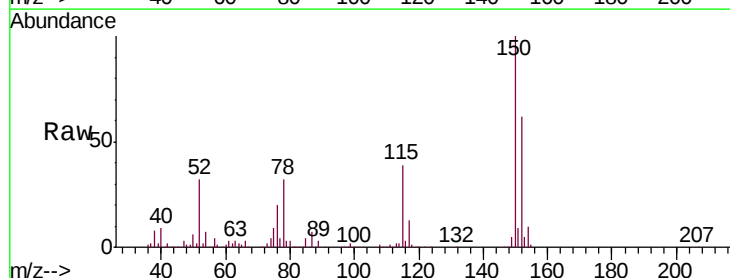
Tgt Ion:152 Resp: 148019

Ion Ratio Lower Upper

152 100

115 62.7 33.8 101.3

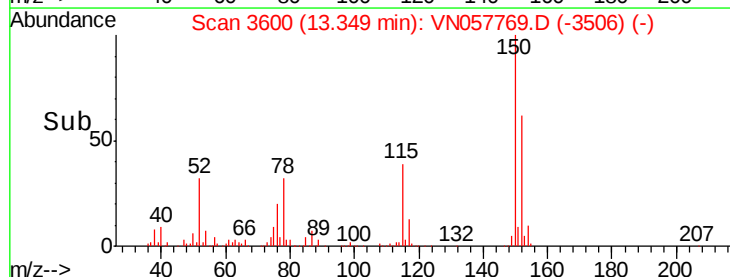
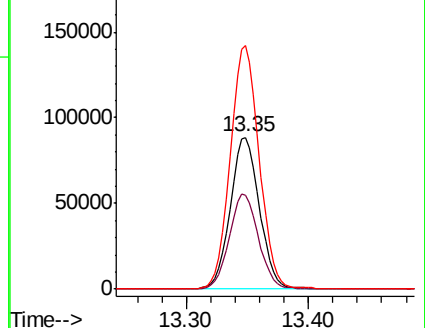
150 158.2 0.0 345.4

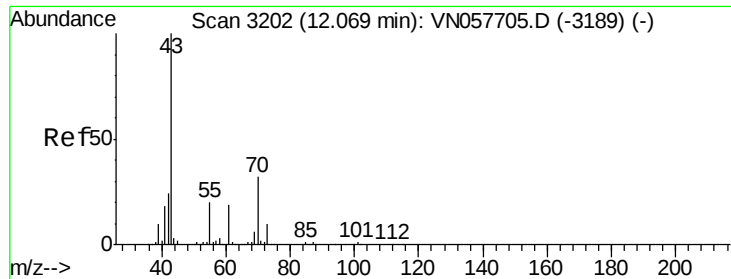


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.431 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057769.D

Acq: 7 Sep 2019 20:59

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(0)

Tgt Ion: 43 Resp: 2817

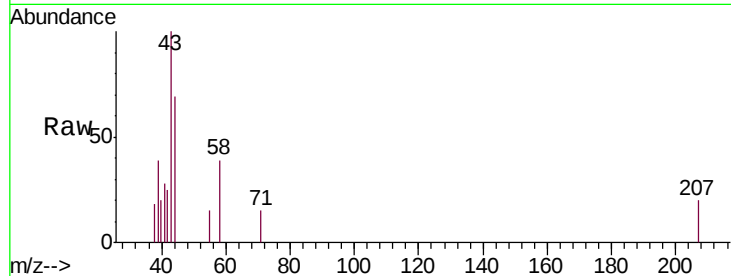
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 2.2 16.3 24.5#

61 0.0 15.0 22.4#

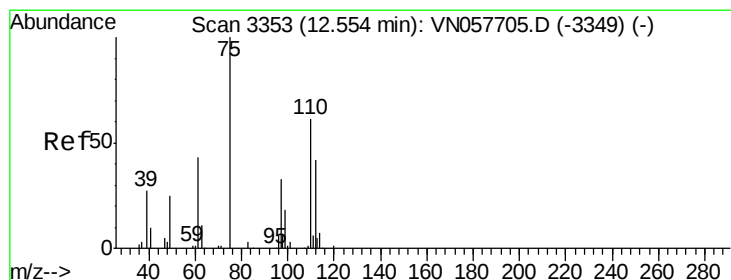
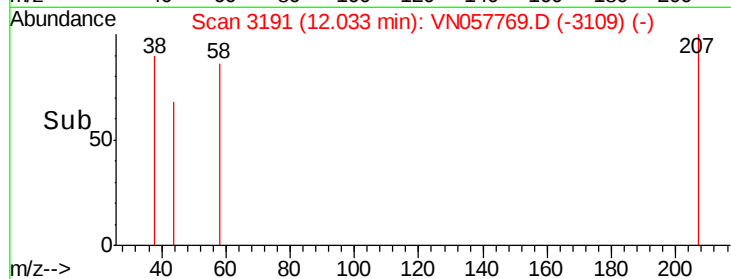
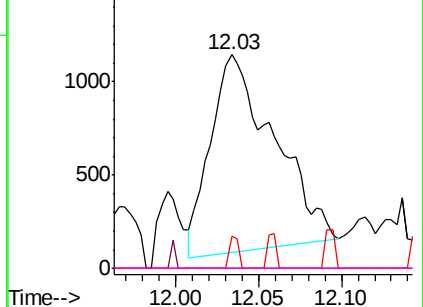


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 33.663 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057769.D

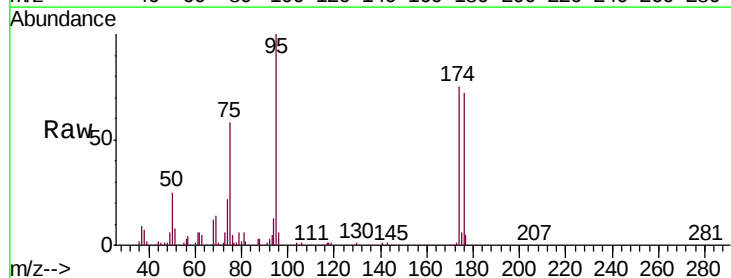
Acq: 7 Sep 2019 20:59

Tgt Ion: 75 Resp: 114423

Ion Ratio Lower Upper

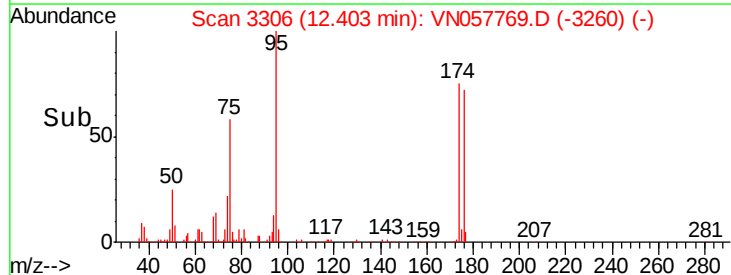
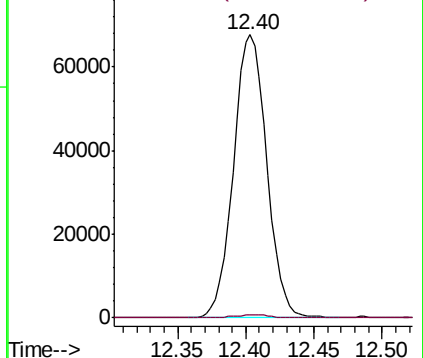
75 100

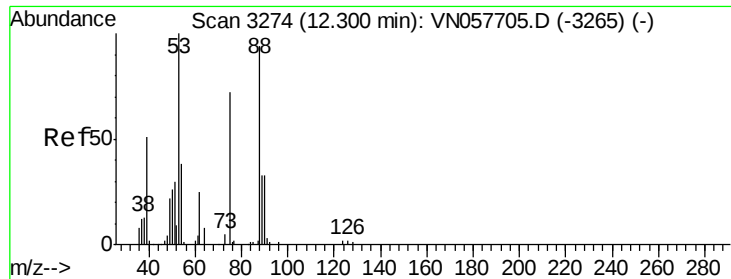
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.692 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057769.D
 Acq: 7 Sep 2019 20:59

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(0)

Tgt Ion: 75 Resp: 114423
 Ion Ratio Lower Upper
 75 100
 53 0.0 107.0 160.6#
 89 0.0 36.5 54.7#

