

Data File : VN057763.D
Acq On : 7 Sep 2019 18:47
Operator : JC/SP
Sample : K4581-35
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(3.5)

Quant Time: Sep 08 06:38:32 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	200819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	331568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	308630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	245594	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.58	113	147629	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.08	98	558449	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	206639	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds

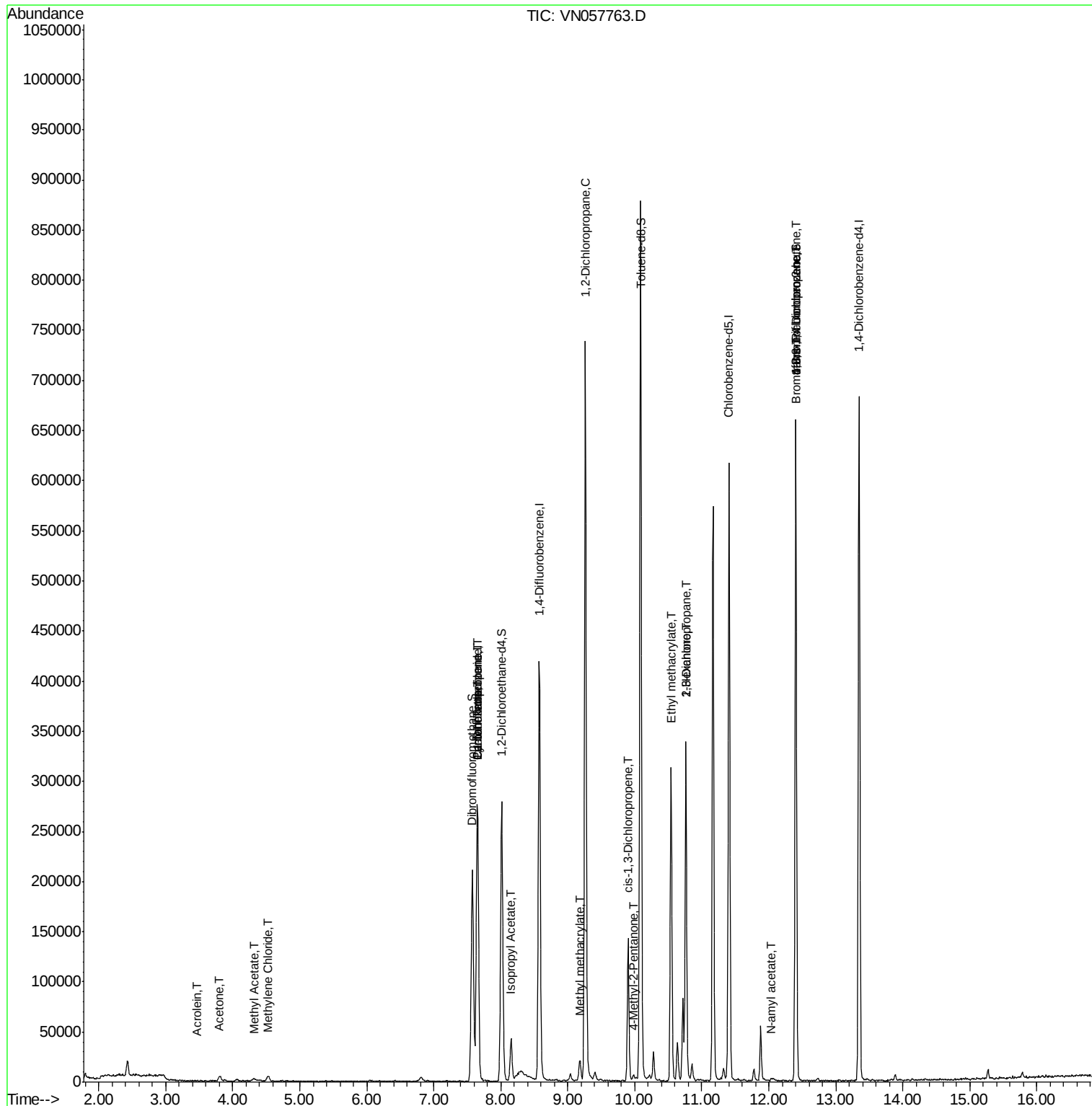
						Qvalue
3) Chloromethane	2.03	50	845	Below Cal		94
13) Acrolein	3.47	56	60	0.227 ug/l #		15
16) Acetone	3.80	43	8039	5.347 ug/l		91
18) Methyl Acetate	4.31	43	3748	0.917 ug/l #		78
20) Methylene Chloride	4.52	84	1613	0.496 ug/l #		87
31) Cyclohexane	7.65	56	6679	1.218 ug/l #		41
36) 1,1-Dichloropropene	7.65	75	19097	4.329 ug/l #		50
38) Carbon Tetrachloride	7.65	117	22334	5.288 ug/l #		16
43) Isopropyl Acetate	8.16	43	49997	5.948 ug/l		100
45) 1,2-Dichloropropane	9.27	63	993	0.285 ug/l #		44
48) Methyl methacrylate	9.17	41	3857	0.892 ug/l #		16
51) 4-Methyl-2-Pentanone	9.99	43	2967	0.636 ug/l #		71
54) cis-1,3-Dichloropropene	9.90	75	21385	4.148 ug/l #		62
56) Ethyl methacrylate	10.54	69	1185	0.244 ug/l #		1
57) 1,3-Dichloropropane	10.77	76	3178	0.581 ug/l #		43
59) 2-Hexanone	10.76	43	55523	16.868 ug/l #		58
71) Bromoform	12.39	173	202	3.332 ug/l #		28
74) N-amyl acetate	12.03	43	1519	0.218 ug/l #		53
76) 1,2,3-Trichloropropane	12.40	75	124216	34.264 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	124216	106.562 ug/l #		1

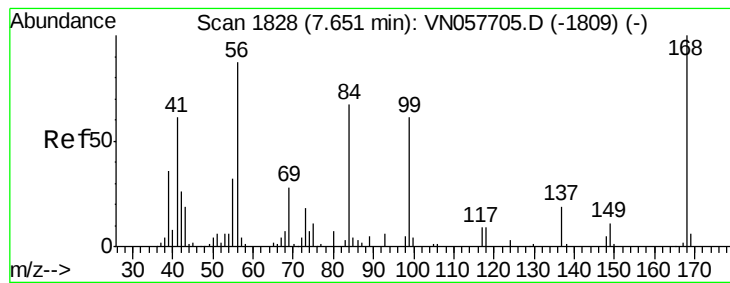
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampleId :

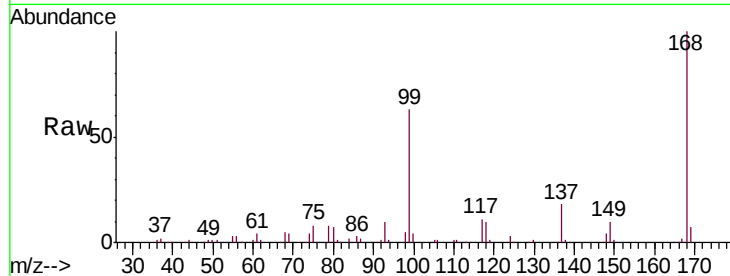
T12-D1-(3.5)

Tgt Ion:168 Resp: 200819

Ion Ratio Lower Upper

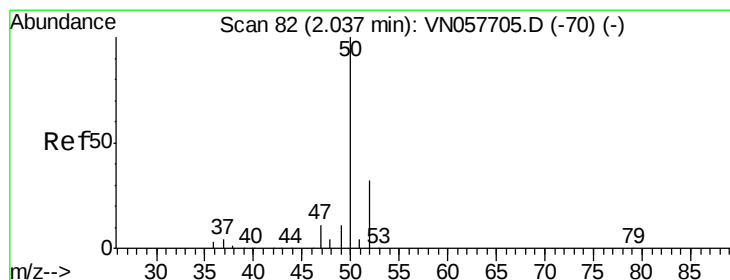
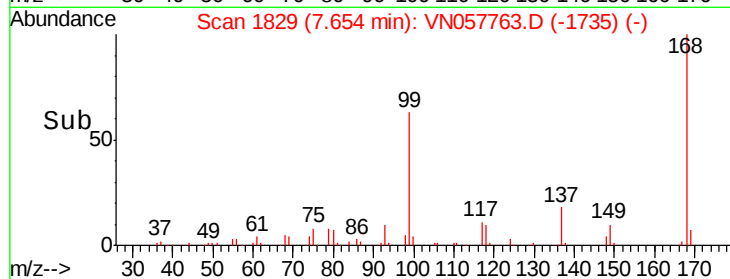
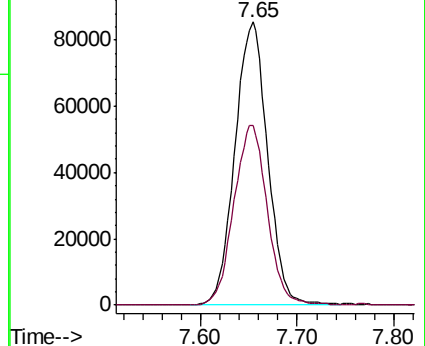
168 100

99 63.3 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# 80

Delta R.T. -0.01 min

Lab File: VN057763.D

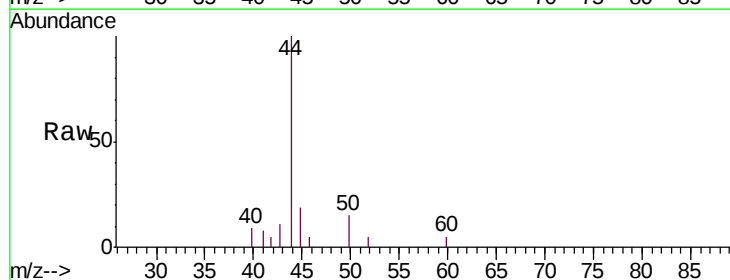
Acq: 7 Sep 2019 18:47

Tgt Ion: 50 Resp: 845

Ion Ratio Lower Upper

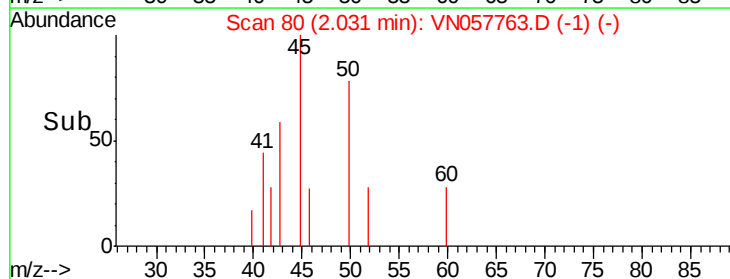
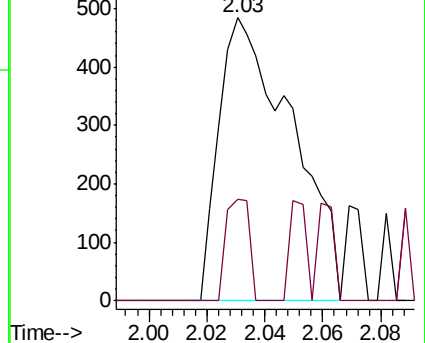
50 100

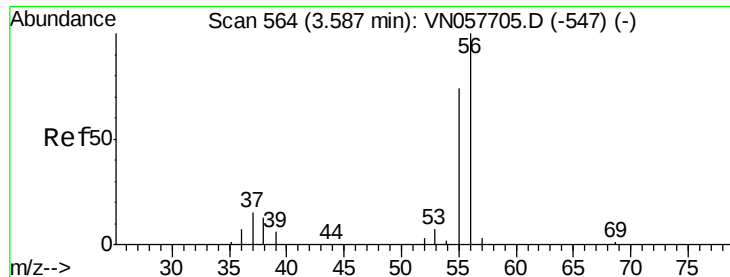
52 35.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#13

Acrolein

Concen: 0.227 ug/l

RT: 3.47 min Scan# 527

Delta R.T. -0.12 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampled :

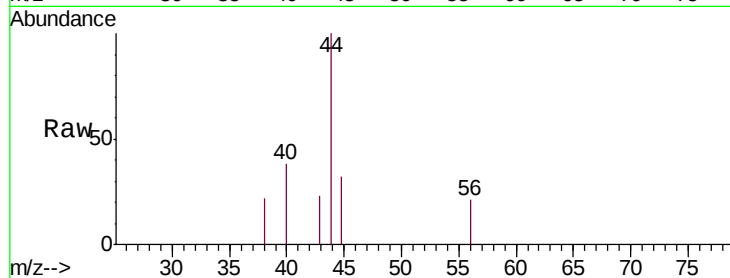
T12-D1-(3.5)

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

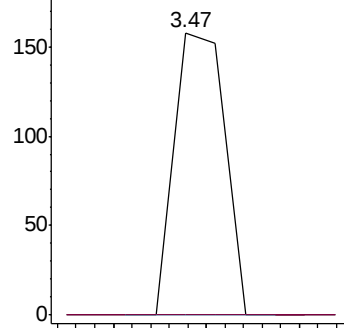
56 100

55 0.0 55.4 83.0#

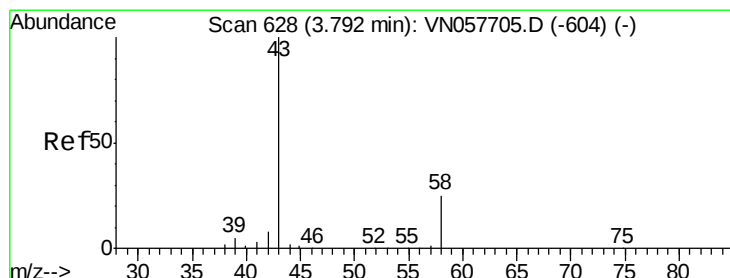
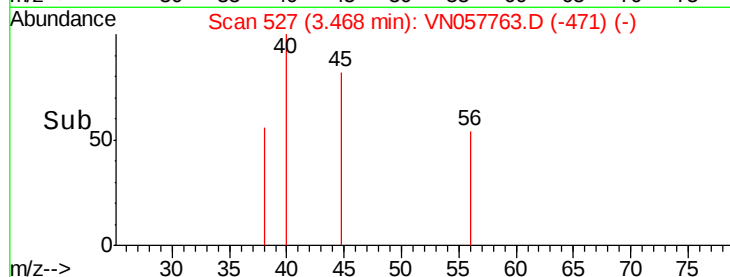


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 5.347 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057763.D

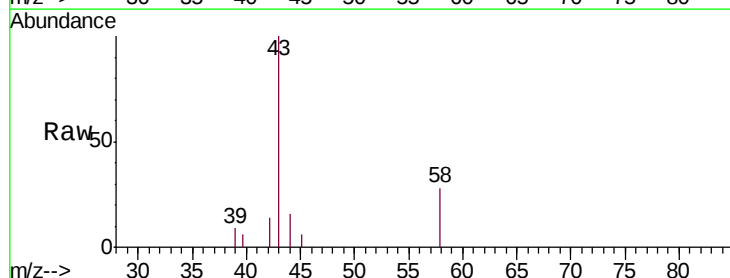
Acq: 7 Sep 2019 18:47

Tgt Ion: 43 Resp: 8039

Ion Ratio Lower Upper

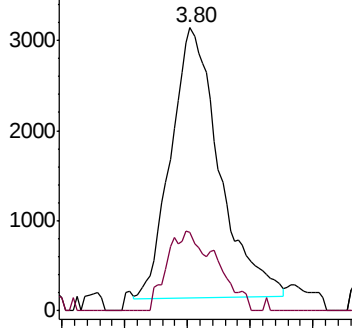
43 100

58 29.1 19.8 29.8

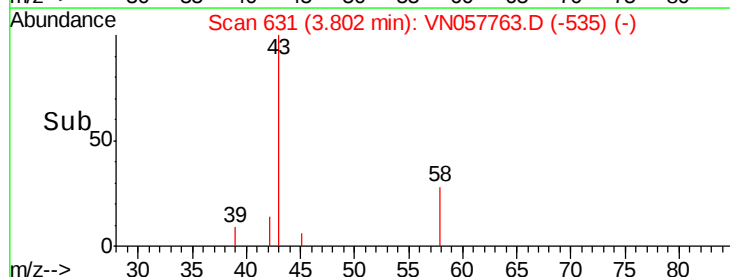


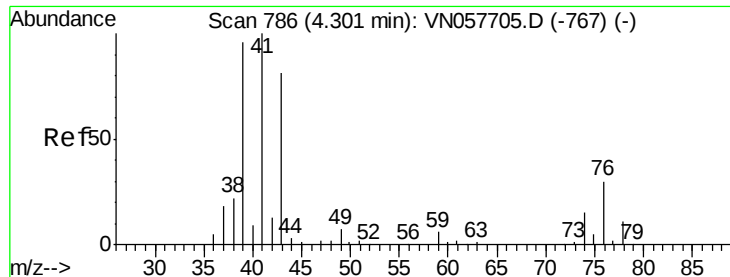
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

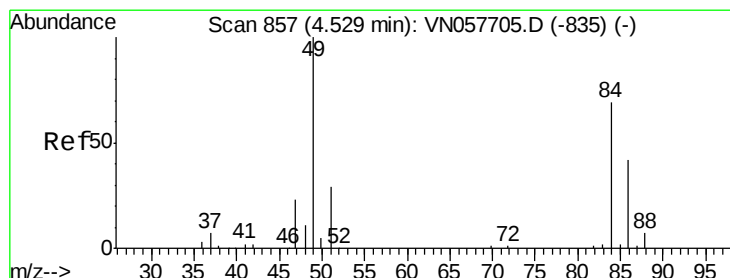
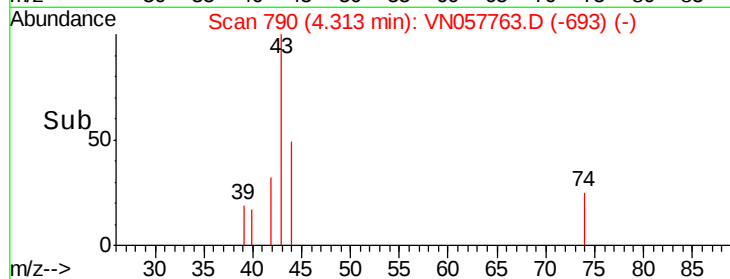
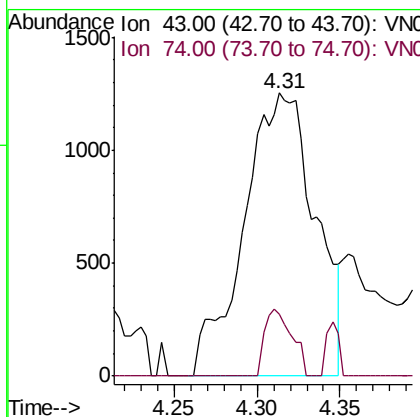
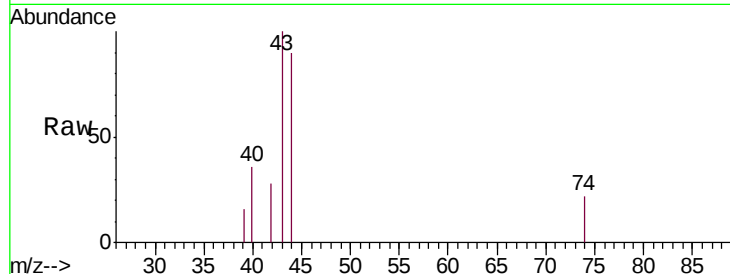




#18
Methyl Acetate
Concen: 0.917 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

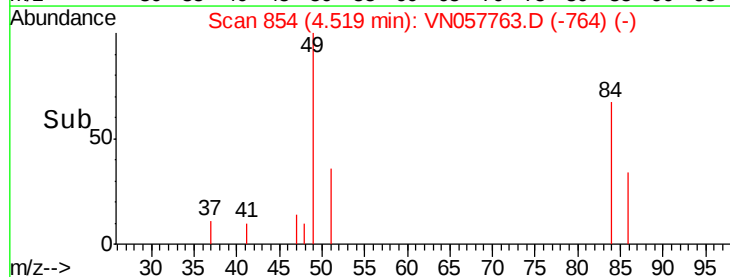
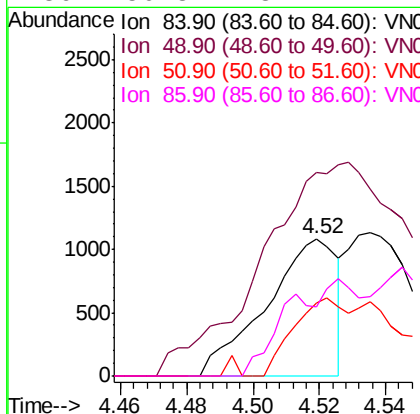
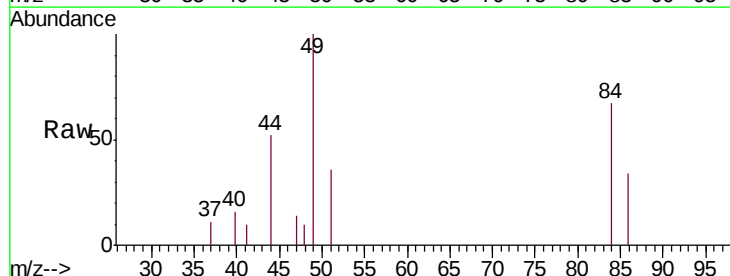
Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(3.5)

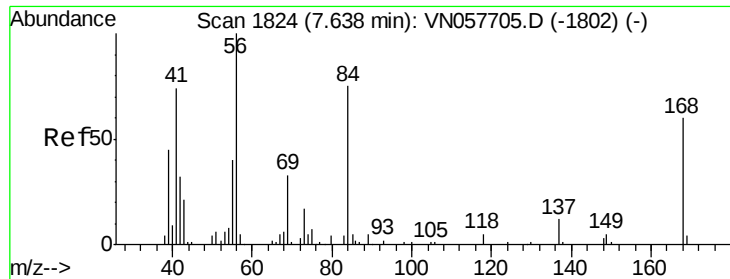
Tgt Ion: 43 Resp: 3748
Ion Ratio Lower Upper
43 100
74 9.0 15.3 22.9#



#20
Methylene Chloride
Concen: 0.496 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Tgt Ion: 84 Resp: 1613
Ion Ratio Lower Upper
84 100
49 127.9 115.0 172.6
51 52.8 33.8 50.8#
86 50.8 48.2 72.2

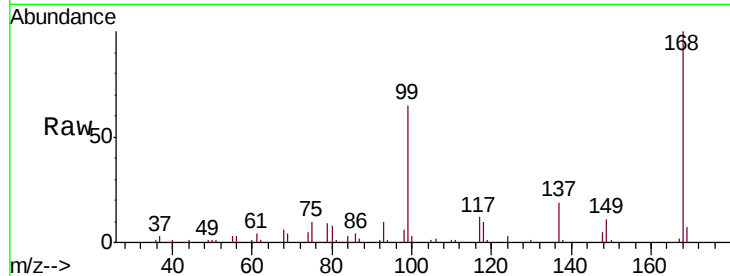




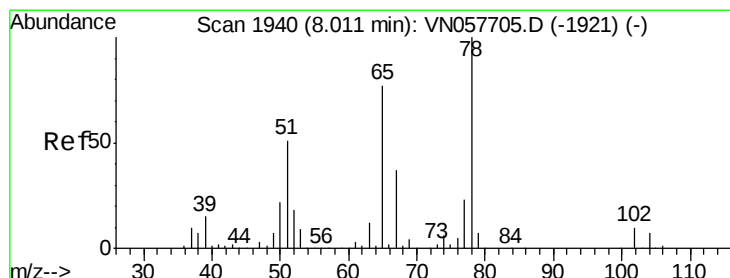
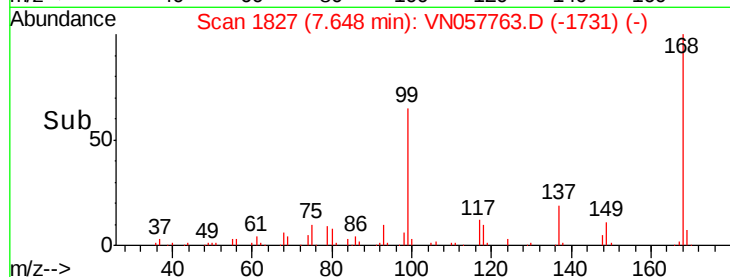
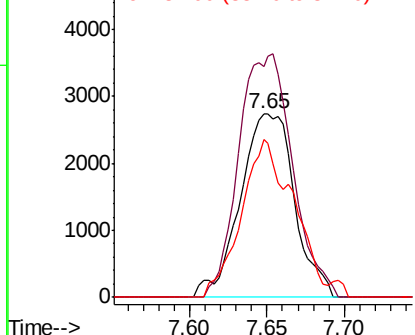
#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Instrument :
MSVOA_N
ClientSampled :
T12-D1-(3.5)

Tgt Ion: 56 Resp: 6679
Ion Ratio Lower Upper
56 100
69 125.3 26.2 39.2#
84 86.0 59.8 89.8

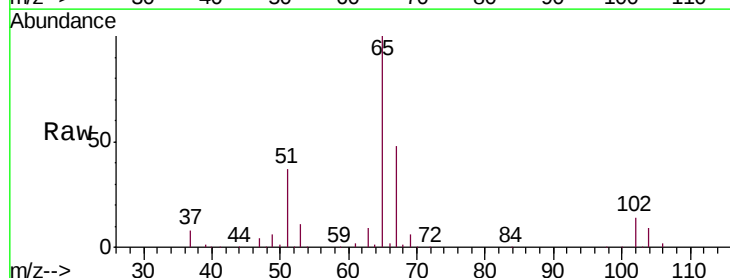


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

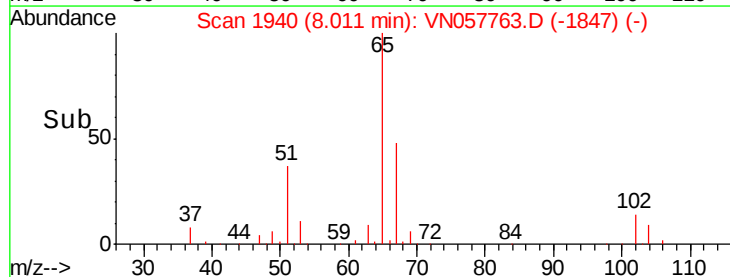
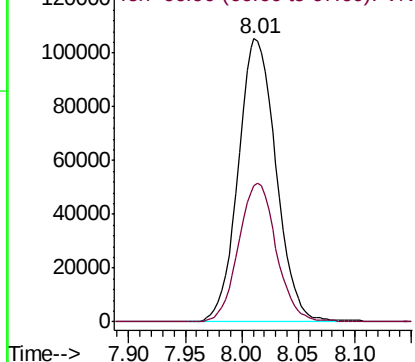


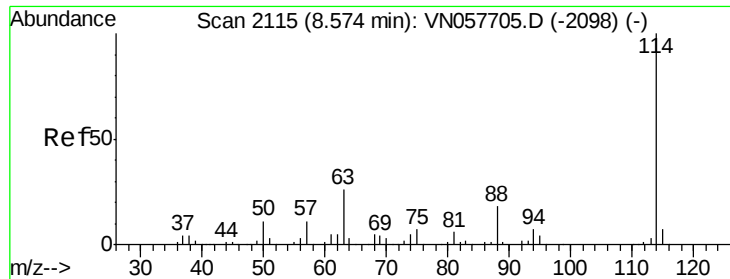
#33
1,2-Dichloroethane-d4
Concen: 50.272 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Tgt Ion: 65 Resp: 245594
Ion Ratio Lower Upper
65 100
67 48.6 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

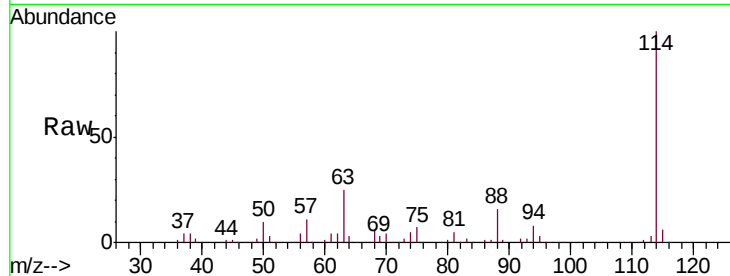




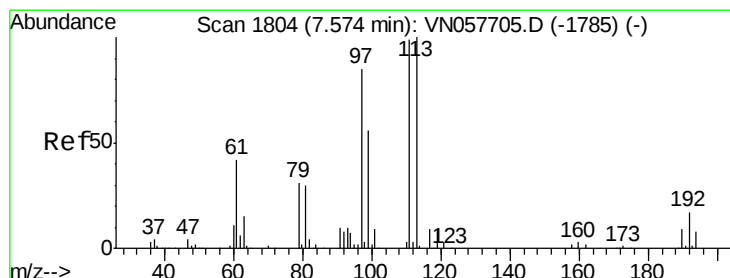
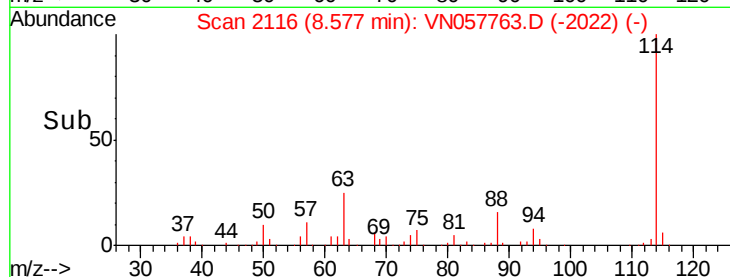
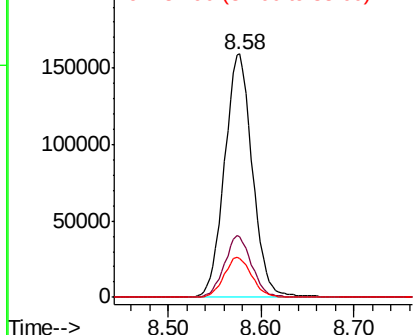
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D1-(3.5)

Tgt Ion:114 Resp: 331568
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 52.4
 88 16.1 0.0 35.4

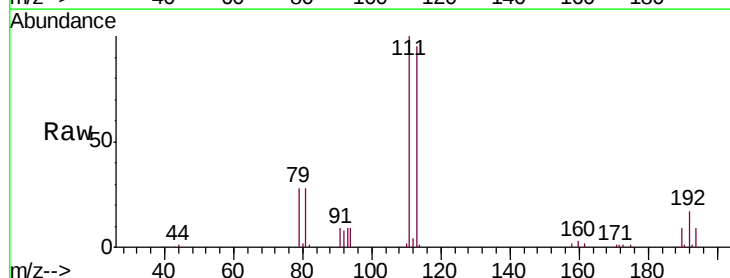


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

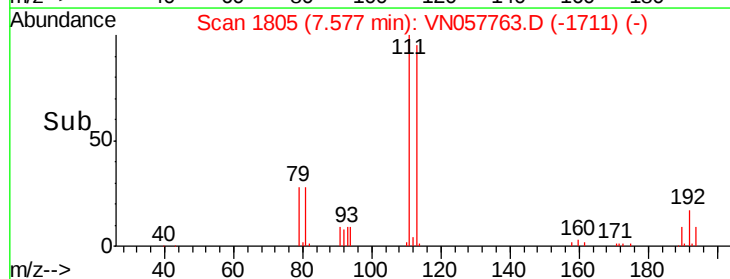
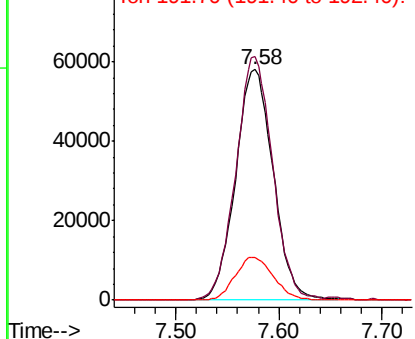


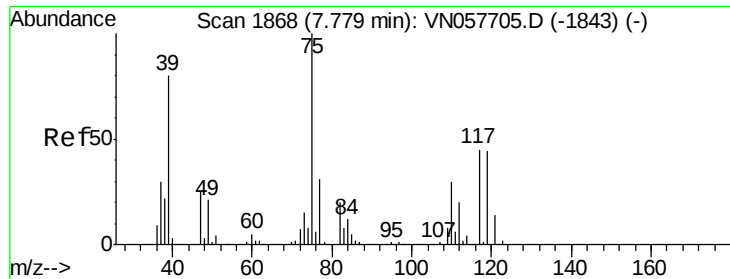
#35
 Dibromofluoromethane
 Concen: 48.882 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

Tgt Ion:113 Resp: 147629
 Ion Ratio Lower Upper
 113 100
 111 103.3 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

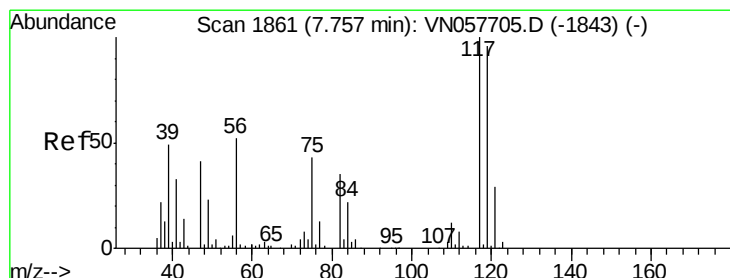
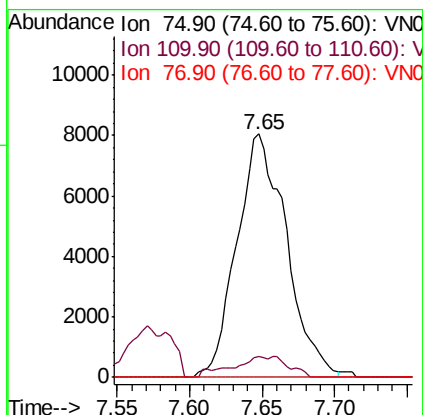
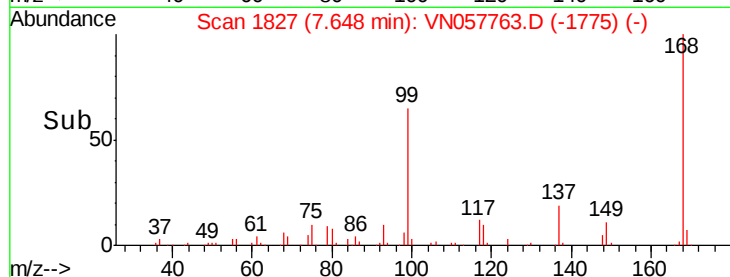
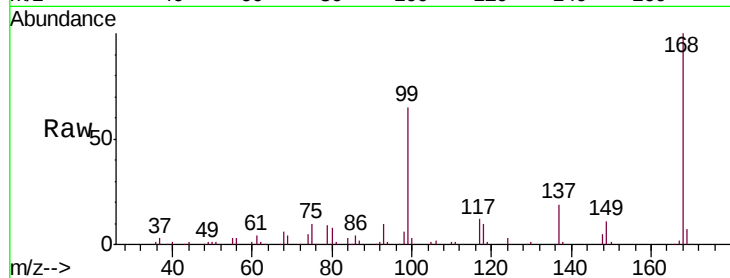




#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

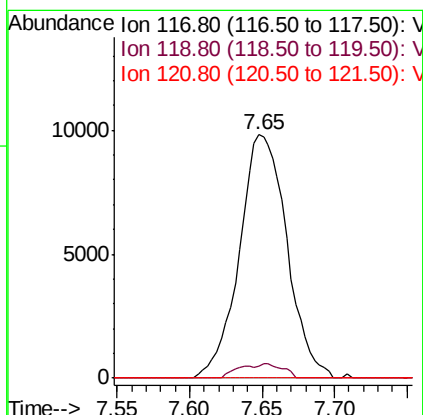
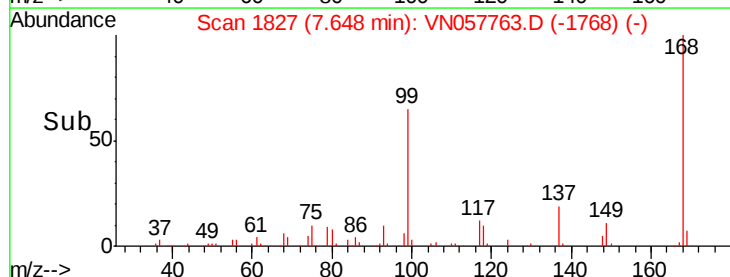
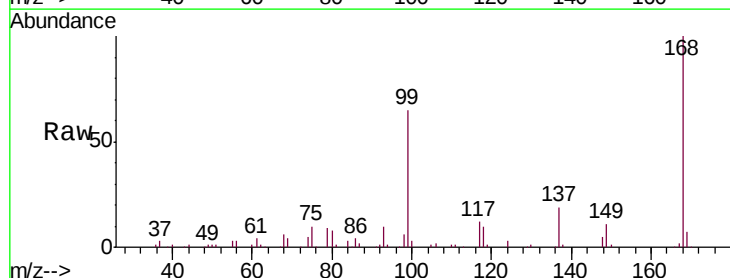
Instrument :
 MSVOA_N
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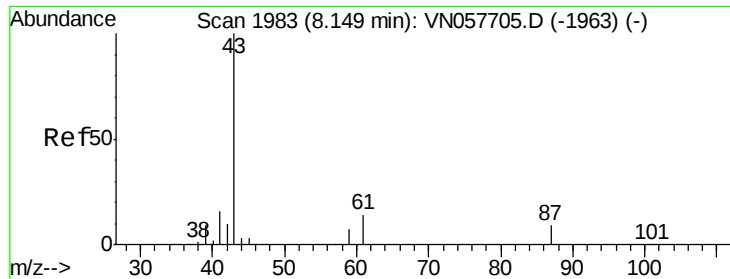
Tgt Ion: 75 Resp: 19097
 Ion Ratio Lower Upper
 75 100
 110 6.3 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.288 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

Tgt Ion: 117 Resp: 22334
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 5.948 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampleId :

T12-D1-(3.5)

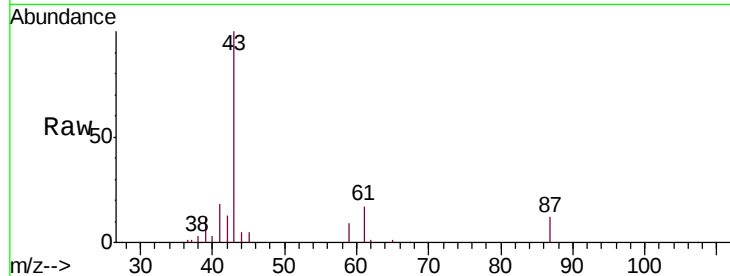
Tgt Ion: 43 Resp: 49997

Ion Ratio Lower Upper

43 100

61 15.9 12.8 19.2

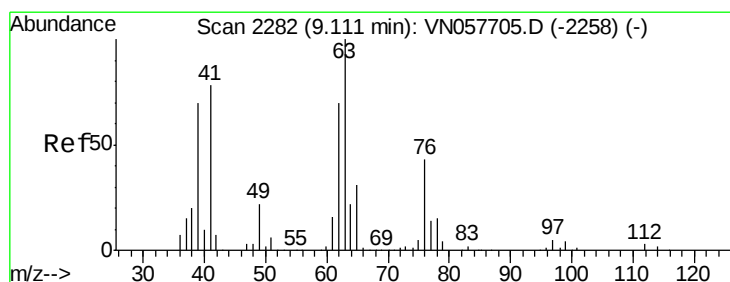
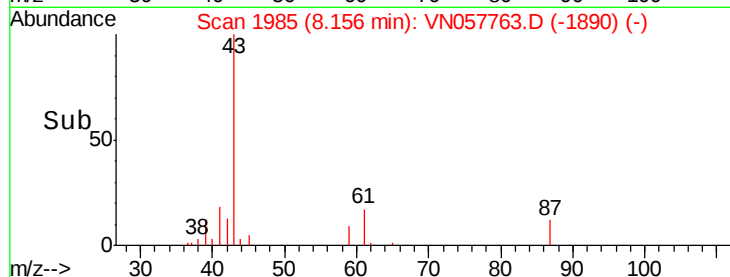
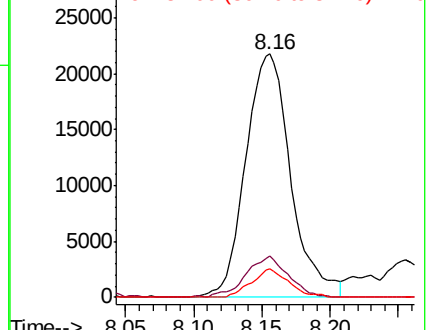
87 9.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057763.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN057763.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN057763.D (-1890) (-)



#45

1,2-Dichloropropane

Concen: 0.285 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.16 min

Lab File: VN057763.D

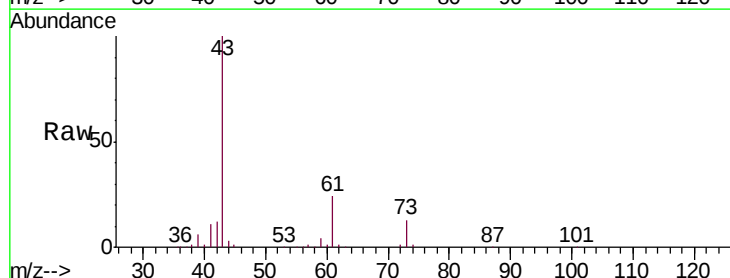
Acq: 7 Sep 2019 18:47

Tgt Ion: 63 Resp: 993

Ion Ratio Lower Upper

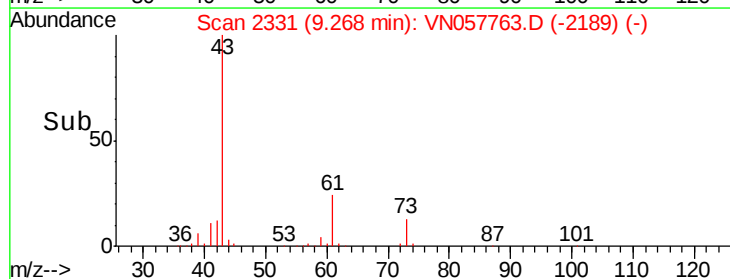
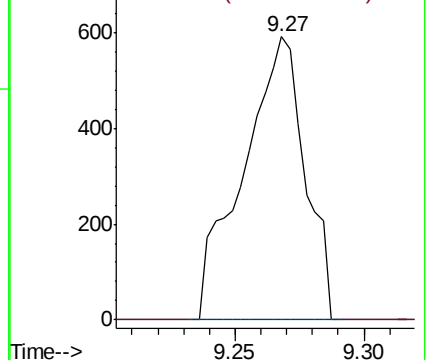
63 100

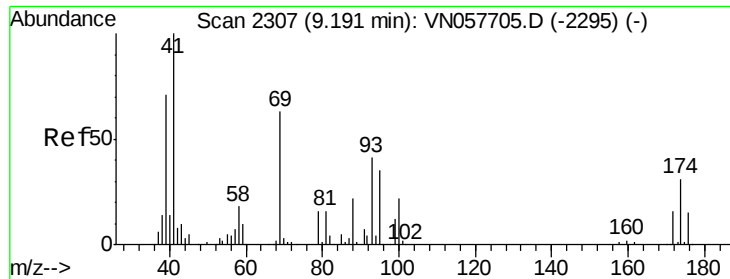
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN057763.D (-2189) (-)

Ion 64.90 (64.60 to 65.60): VN057763.D (-2189) (-)

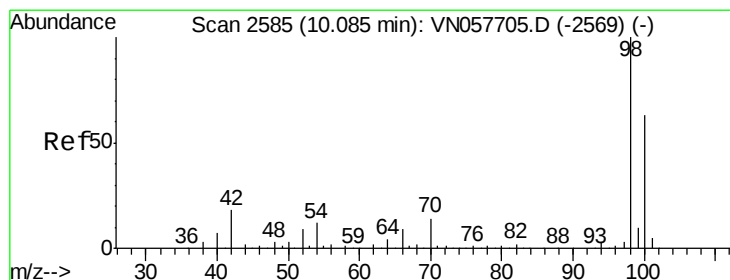
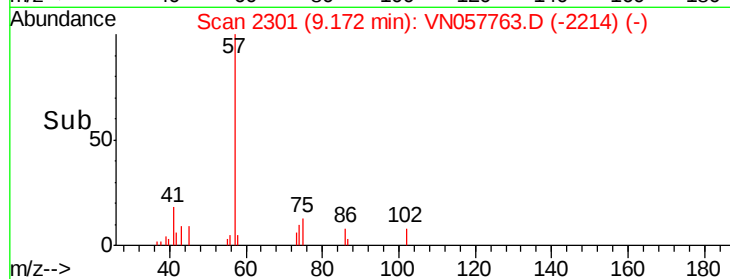
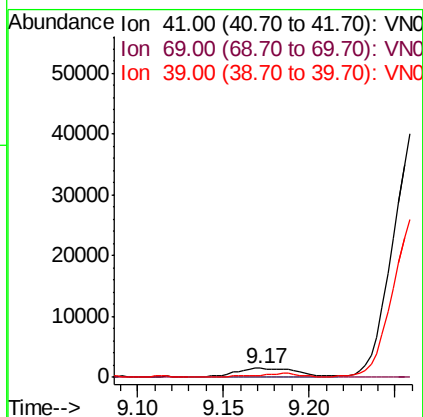
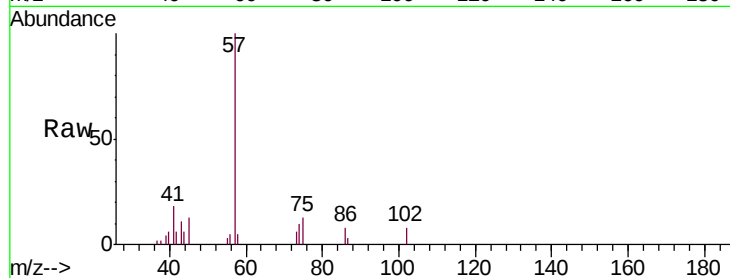




#48
Methyl methacrylate
Concen: 0.892 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

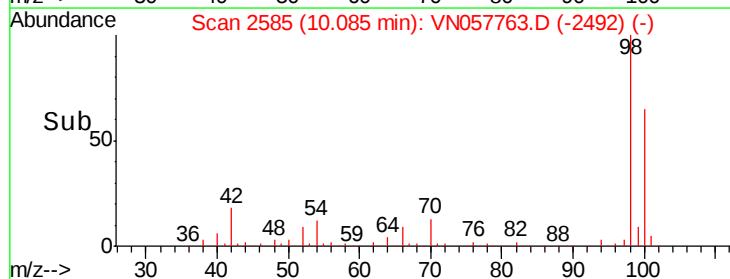
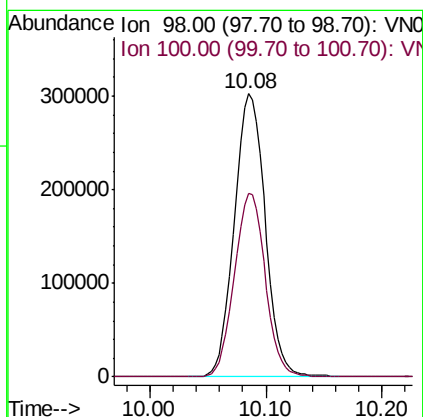
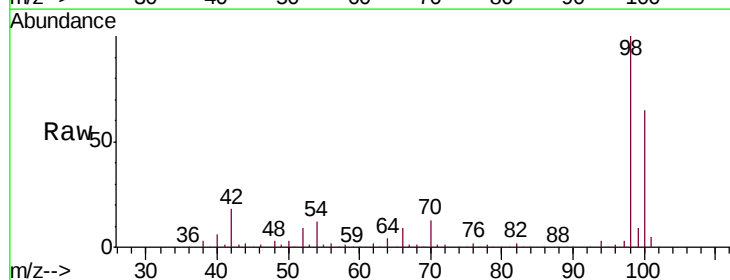
Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(3.5)

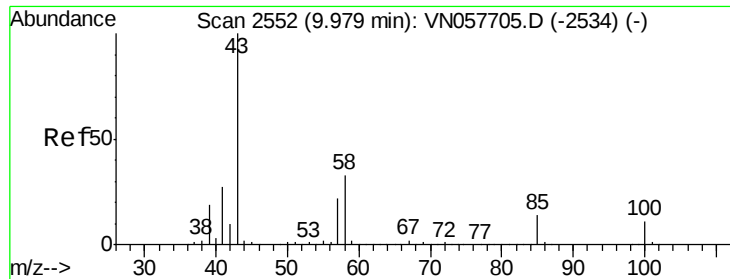
Tgt Ion: 41 Resp: 3857
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Tgt Ion: 98 Resp: 558449
Ion Ratio Lower Upper
98 100
100 64.9 50.7 76.1

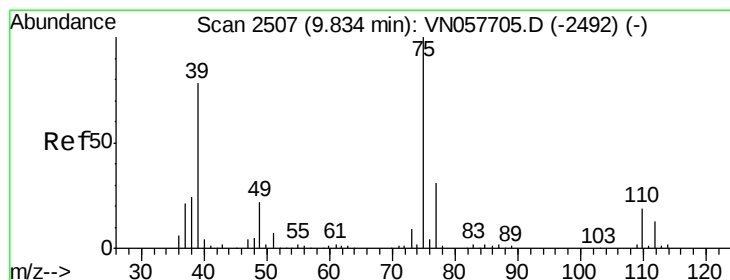
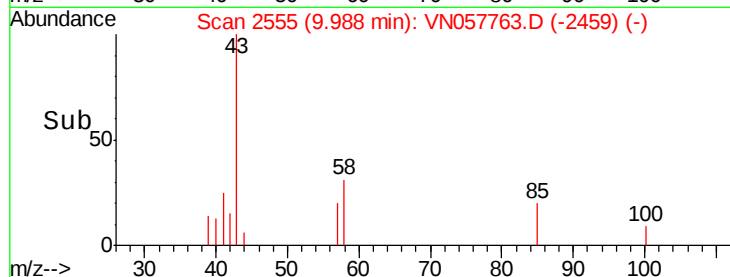
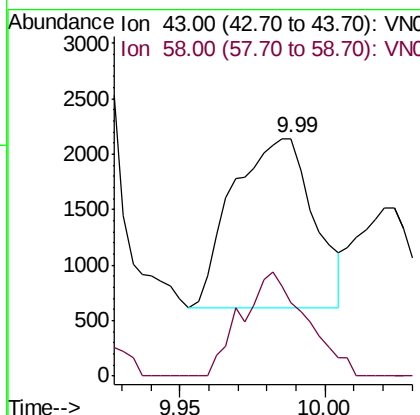
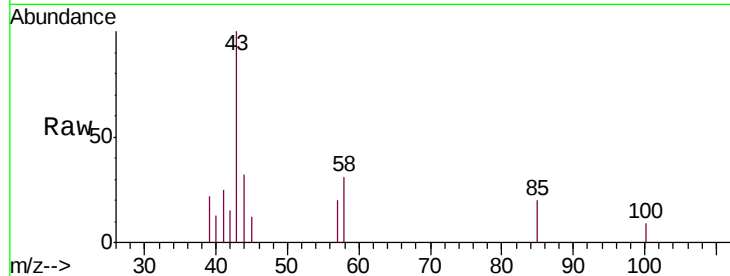




#51
 4-Methyl-2-Pentanone
 Concen: 0.636 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

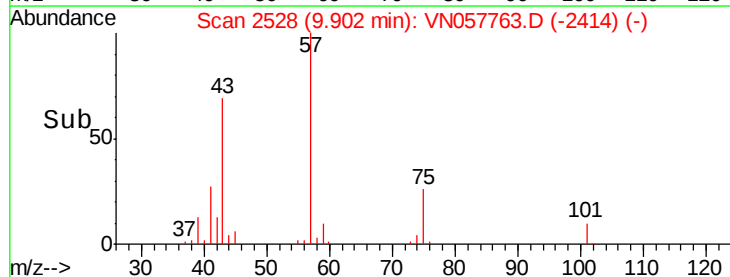
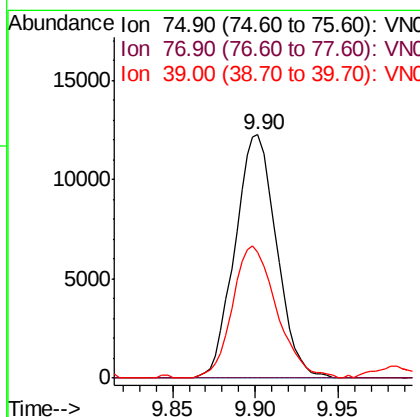
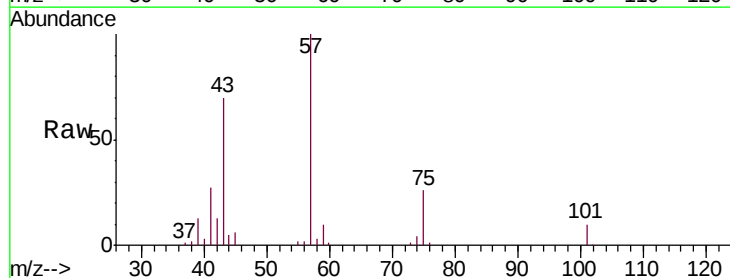
Instrument :
 MSVOA_N
 ClientSampled :
 T12-D1-(3.5)

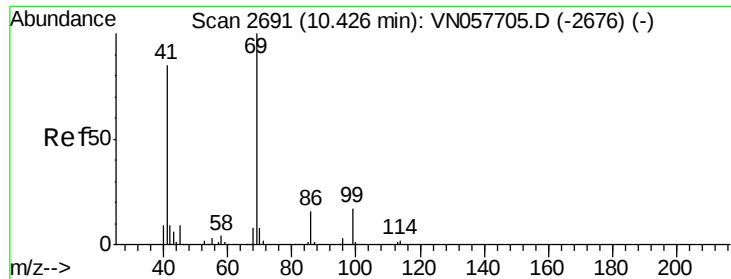
Tgt Ion: 43 Resp: 2967
 Ion Ratio Lower Upper
 43 100
 58 48.6 25.8 38.8#



#54
 cis-1,3-Dichloropropene
 Concen: 4.148 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057763.D
 Acq: 7 Sep 2019 18:47

Tgt Ion: 75 Resp: 21385
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 51.6 62.4 93.6#





#56

Ethyl methacrylate

Concen: 0.244 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampled :

T12-D1-(3.5)

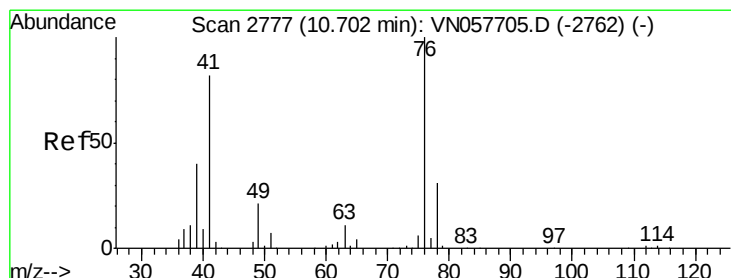
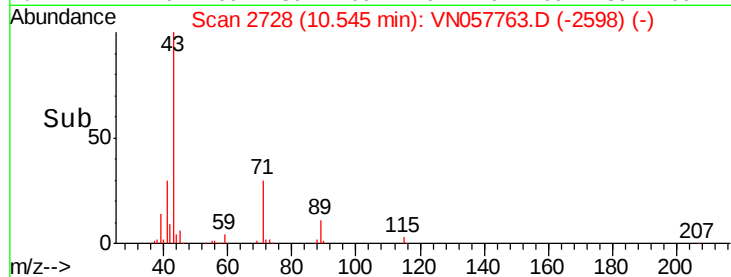
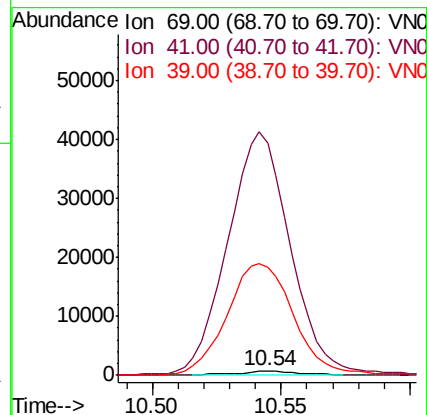
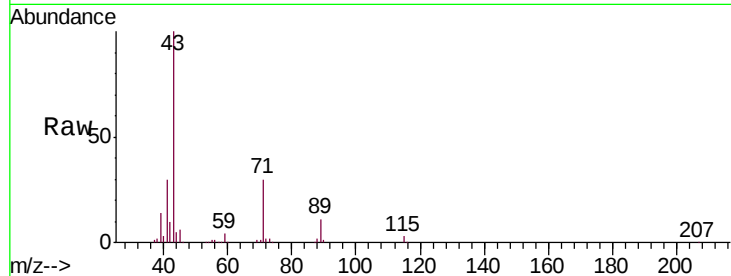
Tgt Ion: 69 Resp: 1185

Ion Ratio Lower Upper

69 100

41 5941.3 69.0 103.4#

39 2877.0 49.2 73.8#



#57

1,3-Dichloropropane

Concen: 0.581 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057763.D

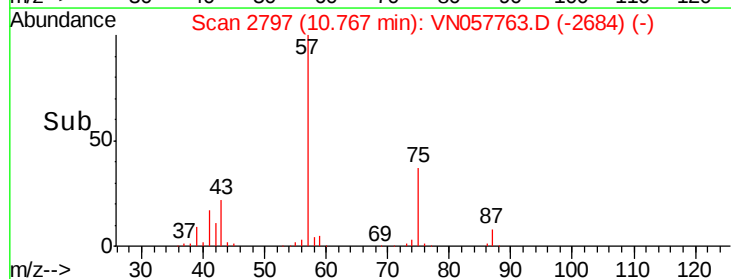
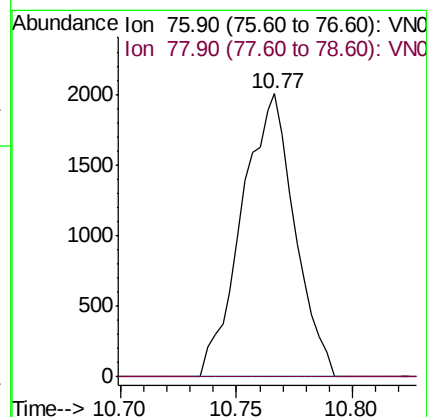
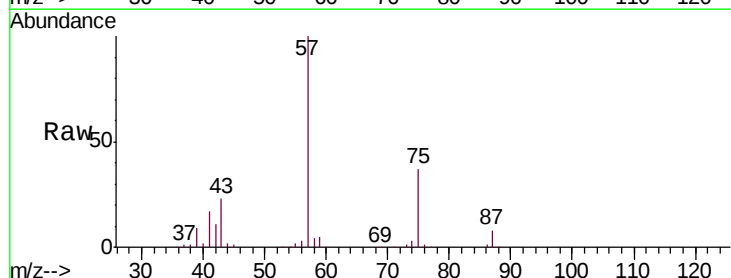
Acq: 7 Sep 2019 18:47

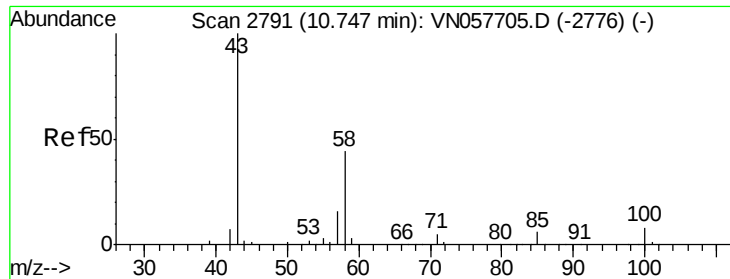
Tgt Ion: 76 Resp: 3178

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

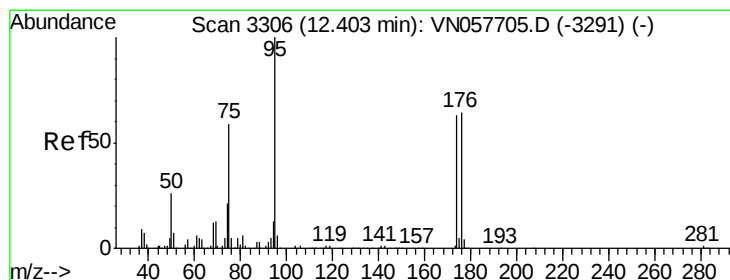
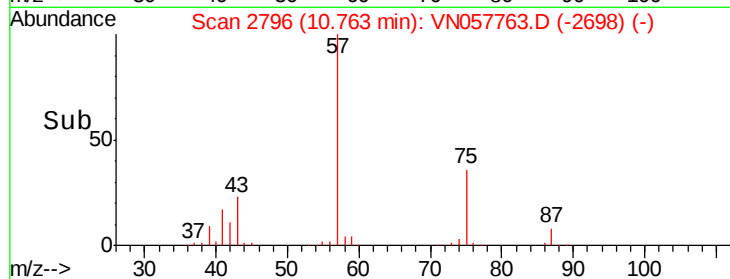
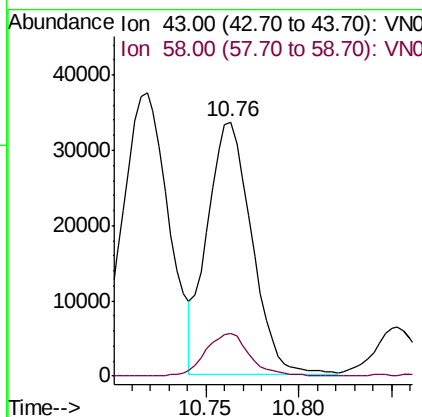
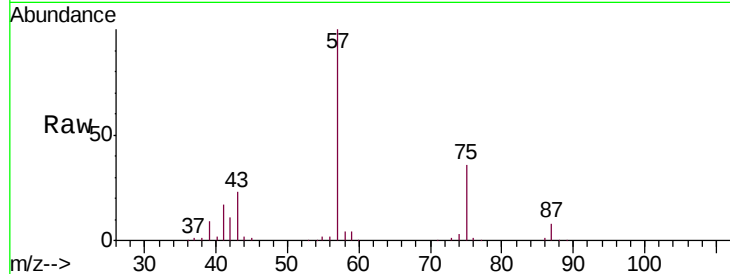




#59
2-Hexanone
Concen: 16.868 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

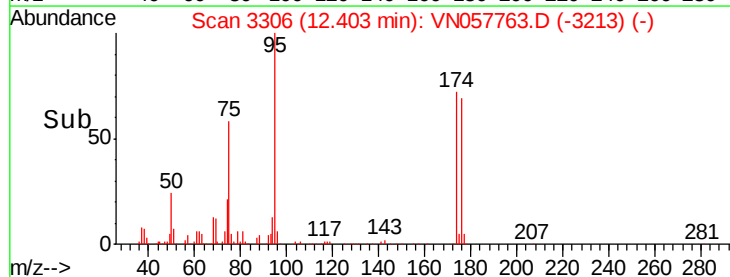
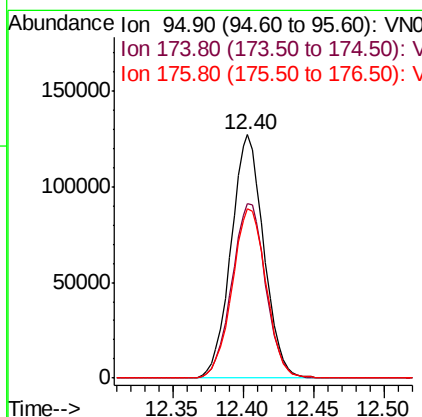
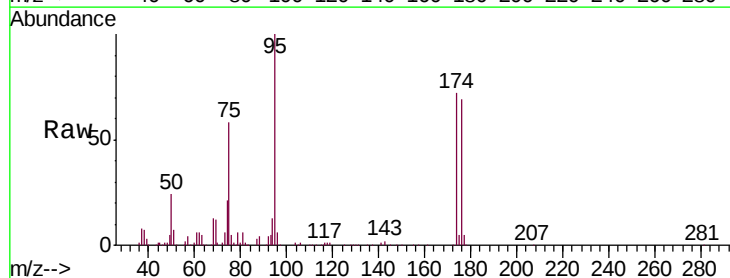
Instrument :
MSVOA_N
ClientSampled :
T12-D1-(3.5)

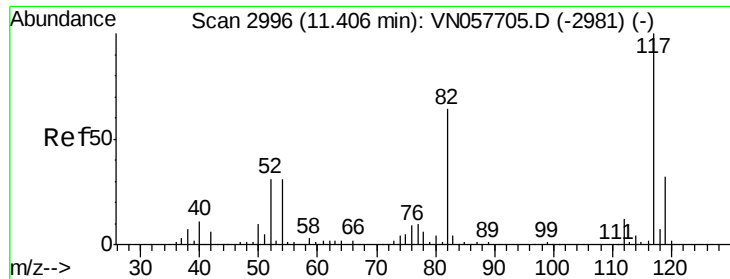
Tgt Ion: 43 Resp: 55523
Ion Ratio Lower Upper
43 100
58 17.0 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 44.531 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Tgt Ion: 95 Resp: 206639
Ion Ratio Lower Upper
95 100
174 74.4 0.0 128.0
176 72.5 0.0 128.0

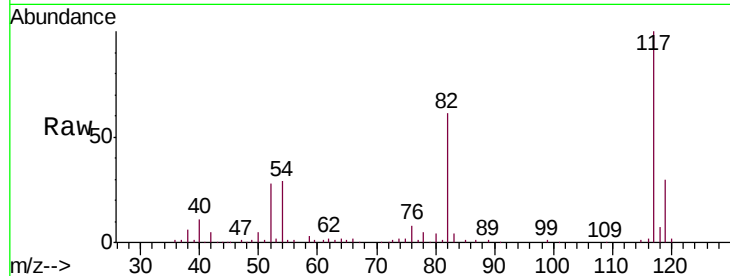




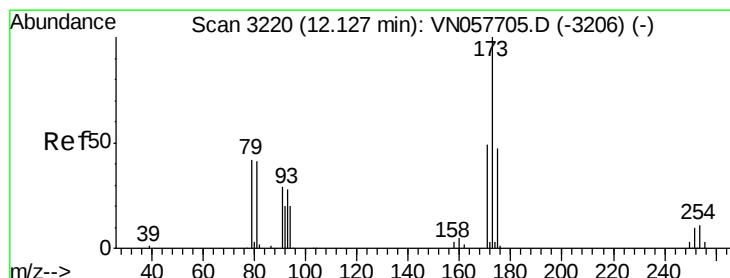
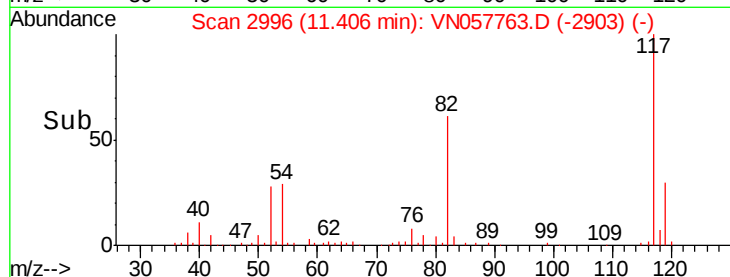
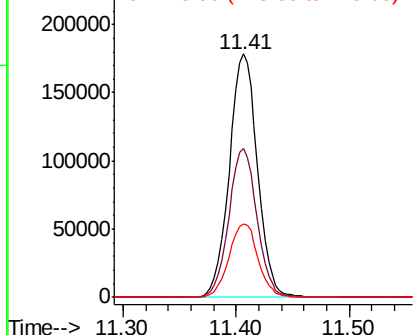
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(3.5)

Tgt Ion:117 Resp: 308630
Ion Ratio Lower Upper
117 100
82 61.1 51.4 77.0
119 30.2 25.4 38.2

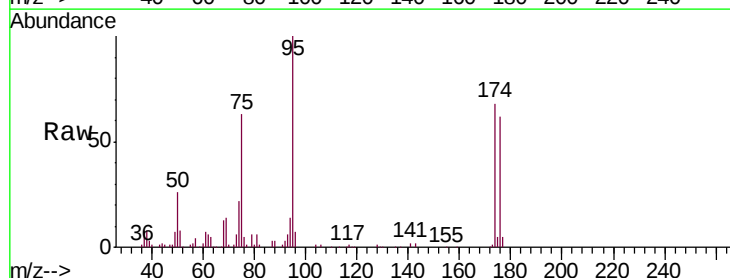


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

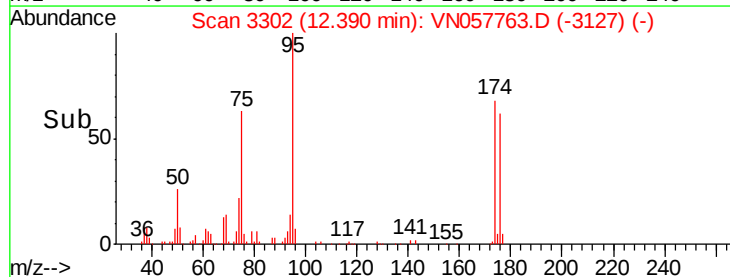
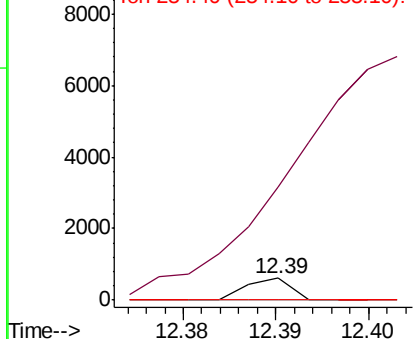


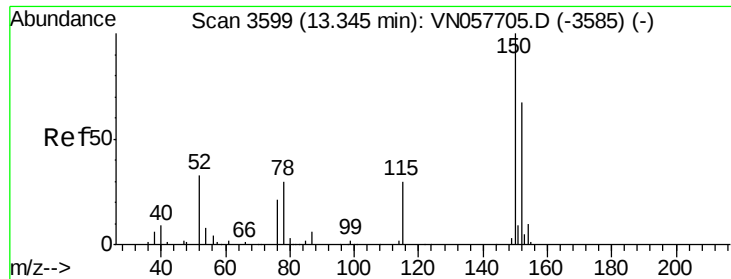
#71
Bromoform
Concen: 3.332 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN057763.D
Acq: 7 Sep 2019 18:47

Tgt Ion:173 Resp: 202
Ion Ratio Lower Upper
173 100
175 0.0 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# 3599

Delta R.T. 0.00 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampleId :

T12-D1-(3.5)

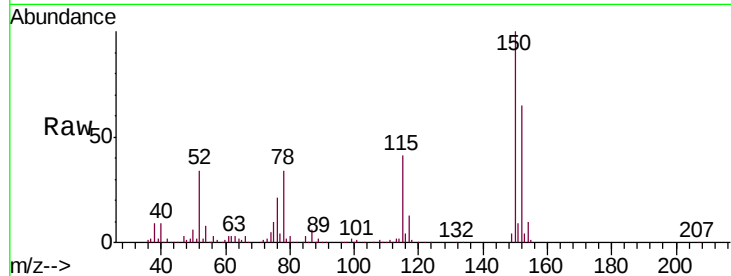
Tgt Ion:152 Resp: 157868

Ion Ratio Lower Upper

152 100

115 62.7 33.8 101.3

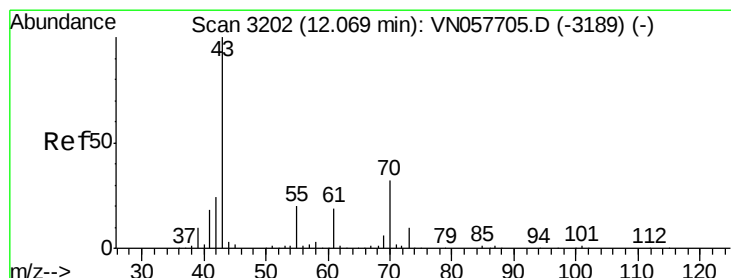
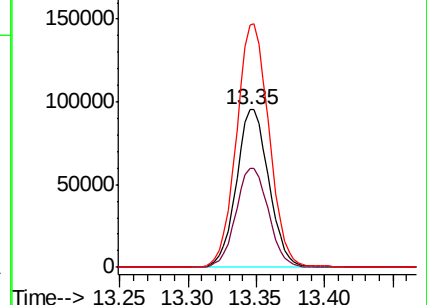
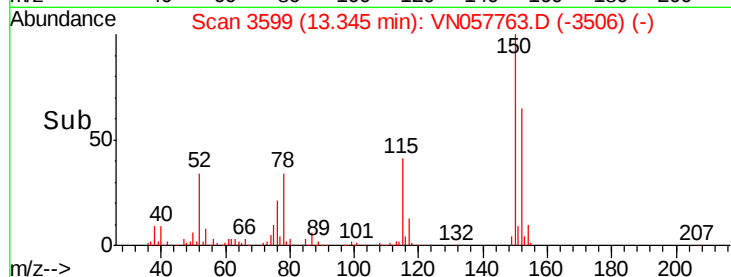
150 155.1 0.0 345.4



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: 0.218 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Tgt Ion: 43 Resp: 1519

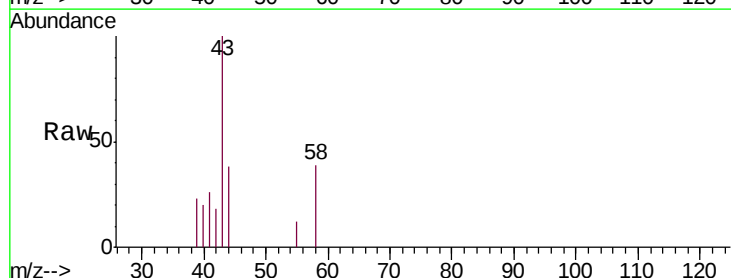
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 4.1 16.3 24.5#

61 0.0 15.0 22.4#

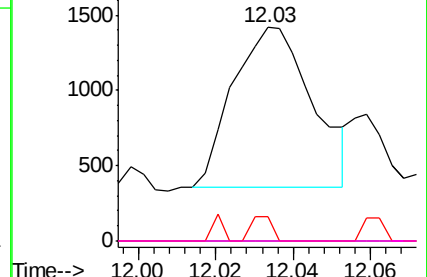
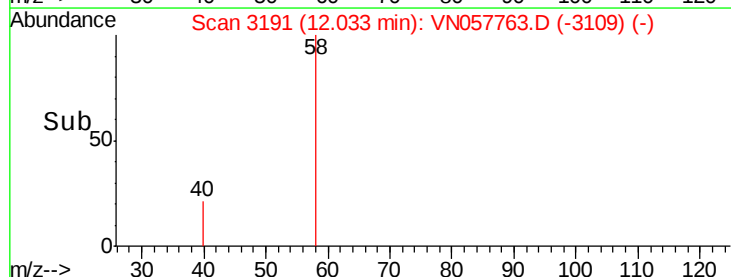


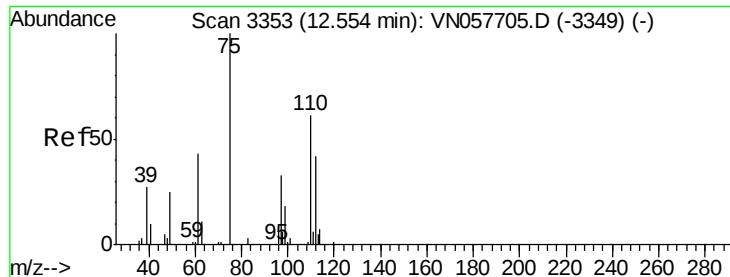
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.264 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

Instrument :

MSVOA_N

ClientSampleId :

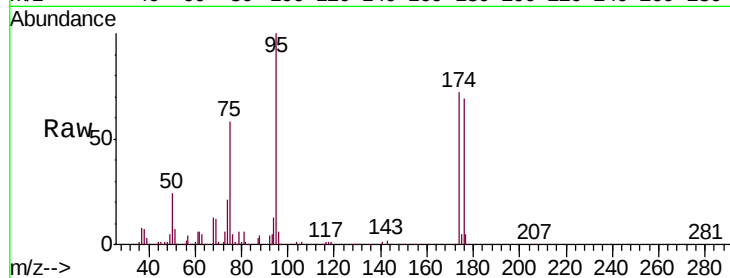
T12-D1-(3.5)

Tgt Ion: 75 Resp: 124216

Ion Ratio Lower Upper

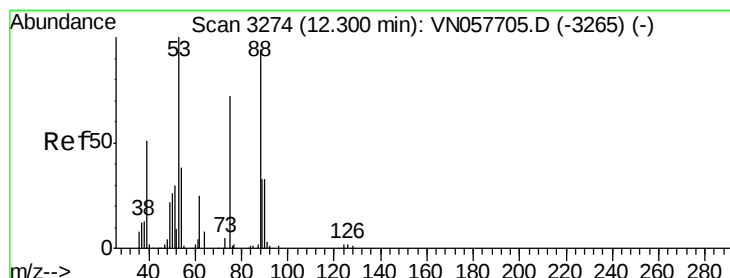
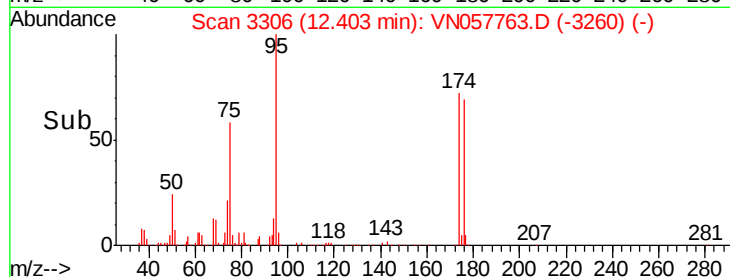
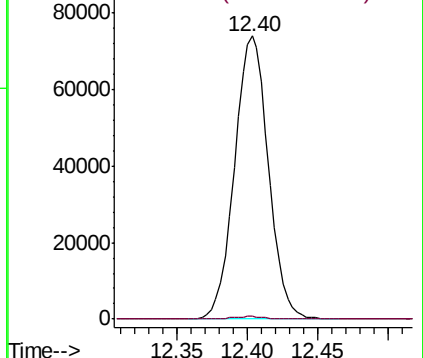
75 100

77 0.8 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: 106.562 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057763.D

Acq: 7 Sep 2019 18:47

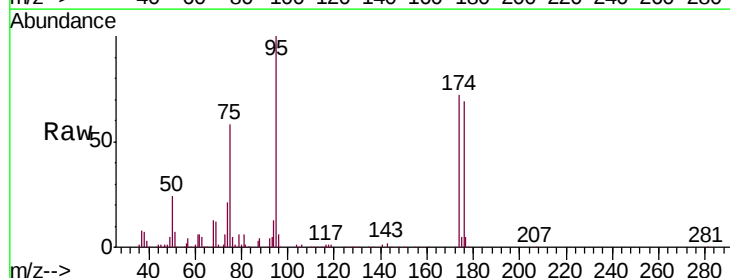
Tgt Ion: 75 Resp: 124216

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

