

Data File : VN057761.D
Acq On : 7 Sep 2019 18:03
Operator : JC/SP
Sample : K4581-33
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D3-(0)

Quant Time: Sep 08 06:37:52 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	199500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	291068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	239852	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.58	113	146873	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.08	98	548711	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	201980	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds

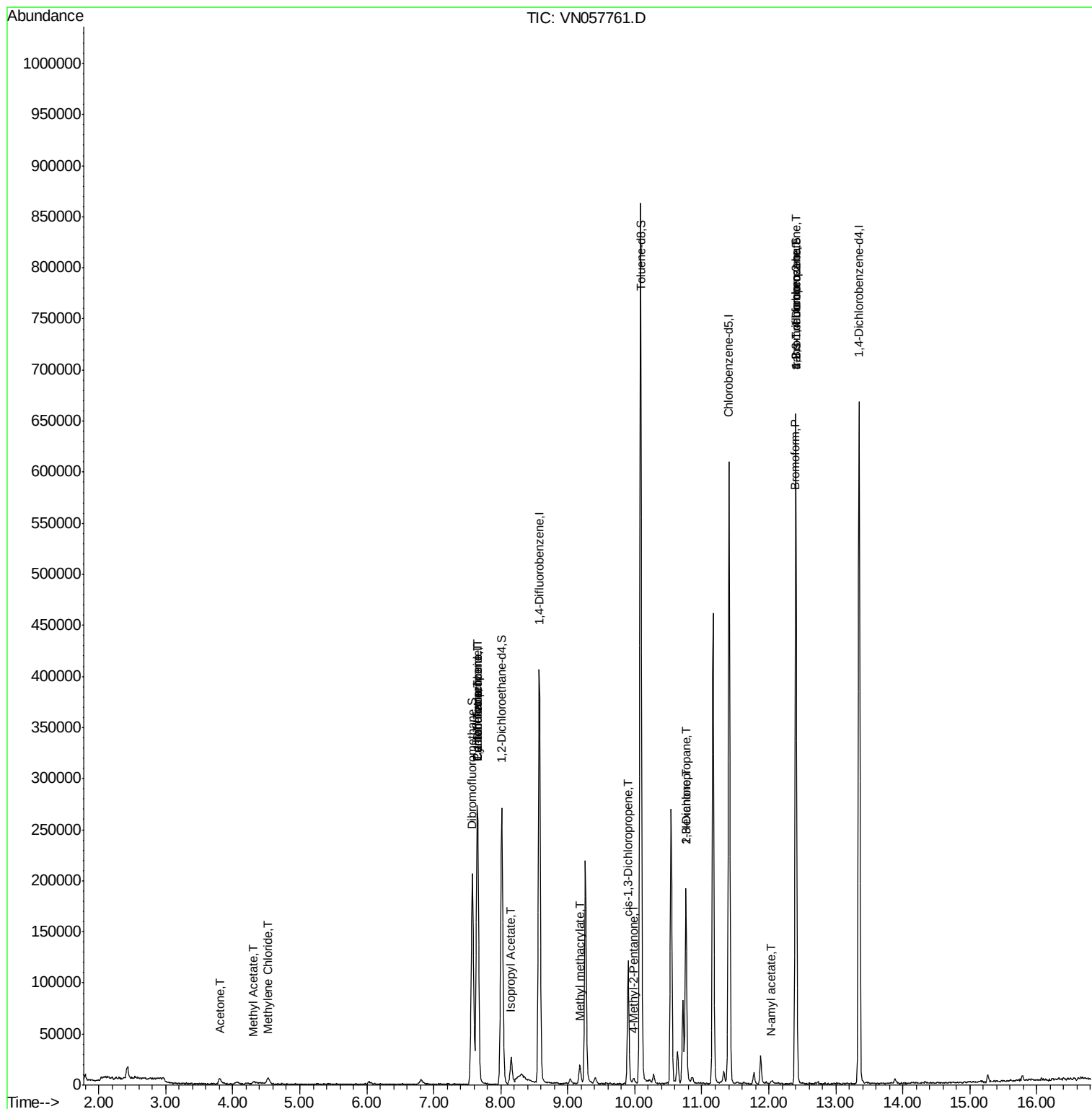
						Qvalue
3) Chloromethane	2.03	50	769	Below Cal	#	42
16) Acetone	3.81	43	10164	6.805	ug/l #	88
18) Methyl Acetate	4.31	43	1383	0.341	ug/l #	85
20) Methylene Chloride	4.54	84	3886	1.203	ug/l #	70
31) Cyclohexane	7.66	56	6124	1.124	ug/l #	46
36) 1,1-Dichloropropene	7.65	75	19517	4.571	ug/l #	48
38) Carbon Tetrachloride	7.64	117	22711	5.555	ug/l #	16
43) Isopropyl Acetate	8.16	43	33638	4.134	ug/l #	92
48) Methyl methacrylate	9.17	41	1543	0.369	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	2590	0.573	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	17892	3.585	ug/l #	68
57) 1,3-Dichloropropane	10.76	76	1850	0.350	ug/l #	43
59) 2-Hexanone	10.76	43	31694	9.947	ug/l #	57
71) Bromoform	12.39	173	89	3.284	ug/l #	1
74) N-amyl acetate	12.03	43	2580	0.384	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	121615	34.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121615	108.168	ug/l #	1

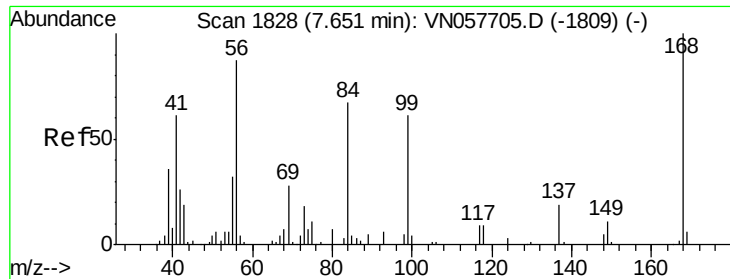
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampleId :

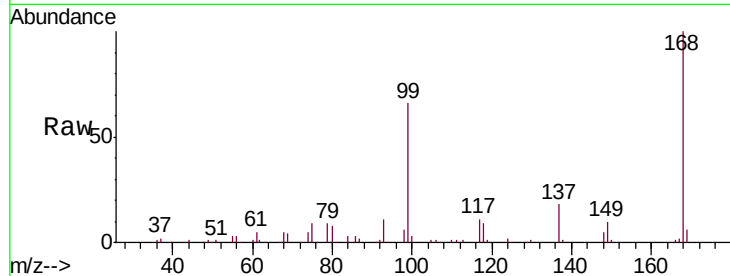
T12-D3-(0)

Tgt Ion:168 Resp: 199500

Ion Ratio Lower Upper

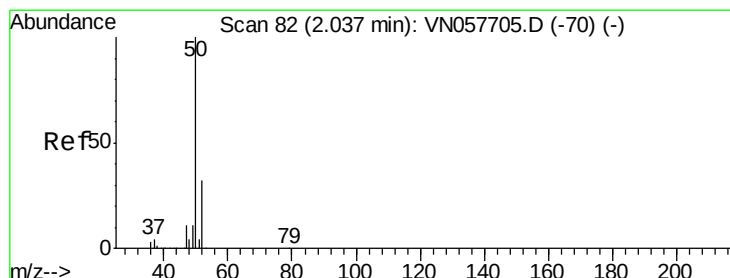
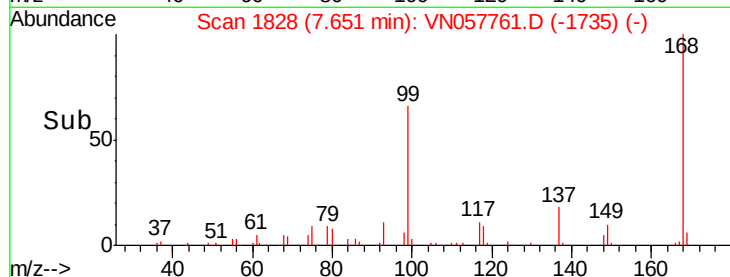
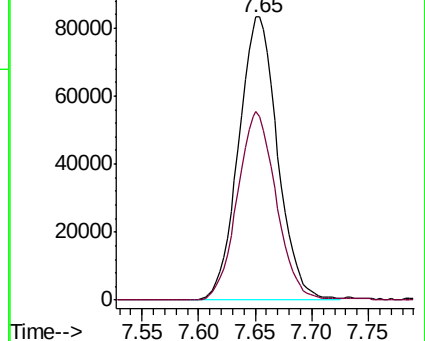
168 100

99 66.5 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: VN057761.D

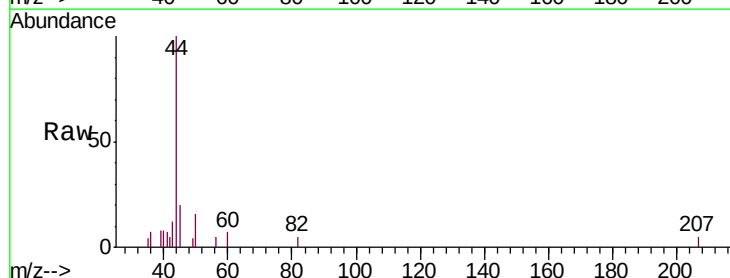
Acq: 7 Sep 2019 18:03

Tgt Ion: 50 Resp: 769

Ion Ratio Lower Upper

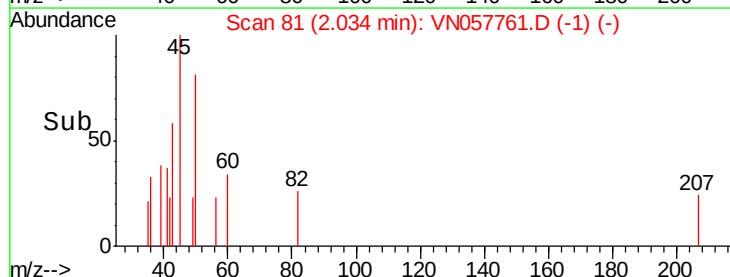
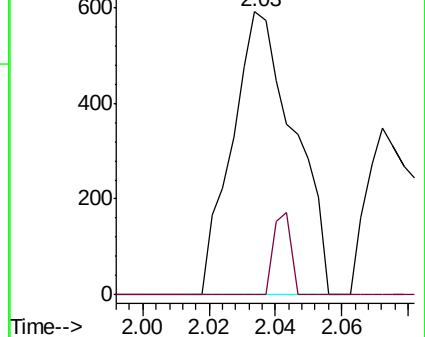
50 100

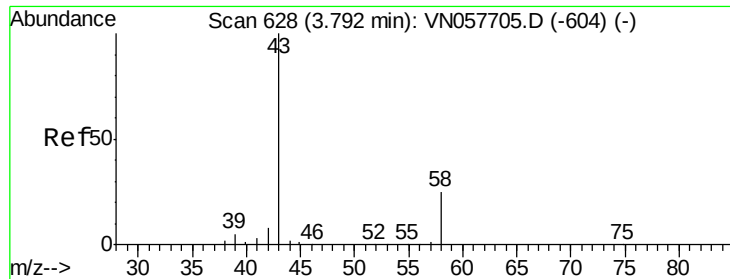
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

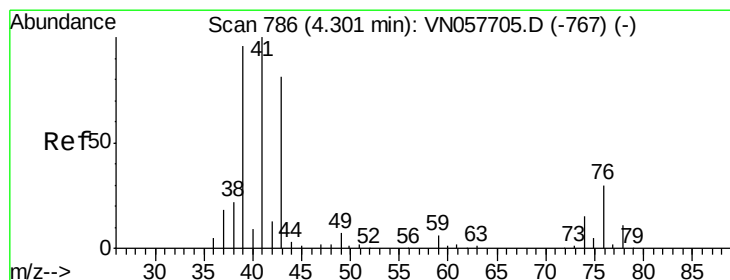
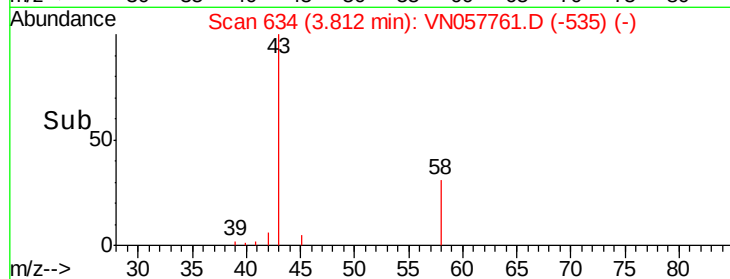
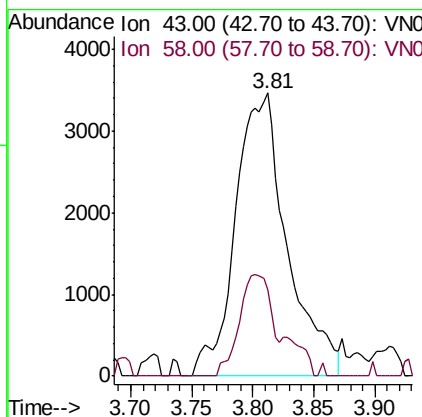
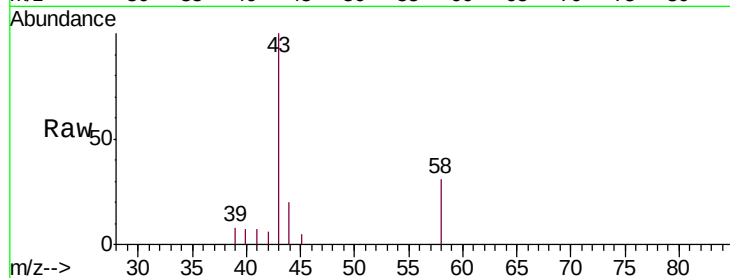




#16
Acetone
Concen: 6.805 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.02 min
Lab File: VN057761.D
Acq: 7 Sep 2019 18:03

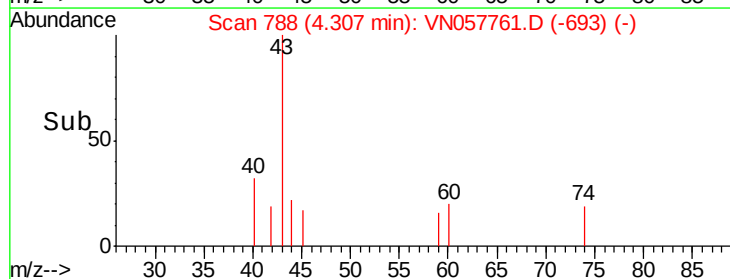
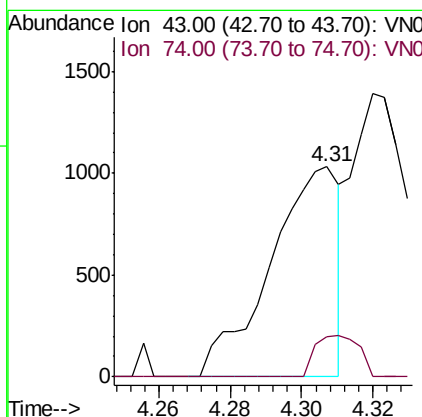
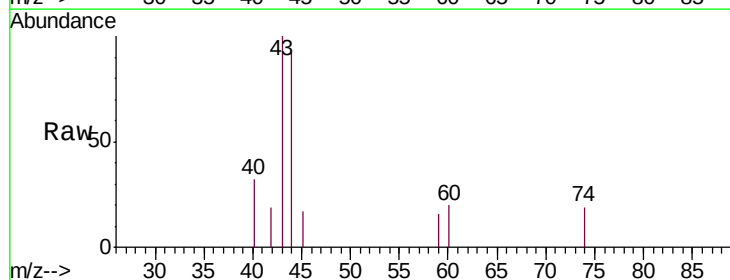
Instrument :
MSVOA_N
ClientSampleId :
T12-D3-(0)

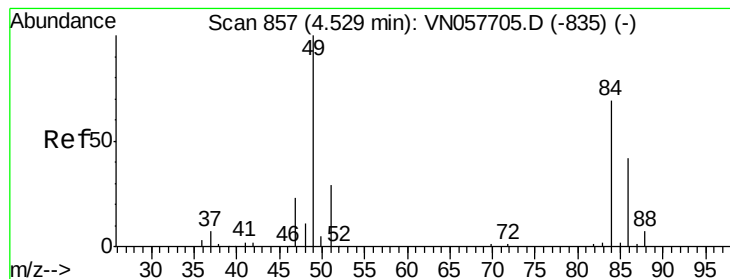
Tgt Ion: 43 Resp: 10164
Ion Ratio Lower Upper
43 100
58 30.7 19.8 29.8#



#18
Methyl Acetate
Concen: 0.341 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN057761.D
Acq: 7 Sep 2019 18:03

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
74 12.4 15.3 22.9#





#20

Methylene Chloride

Concen: 1.203 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampleId :

T12-D3-(0)

Tgt Ion: 84 Resp: 3886

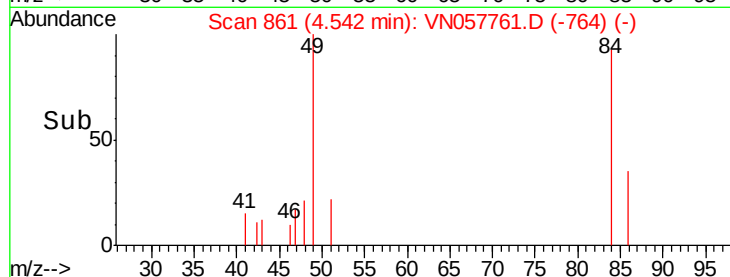
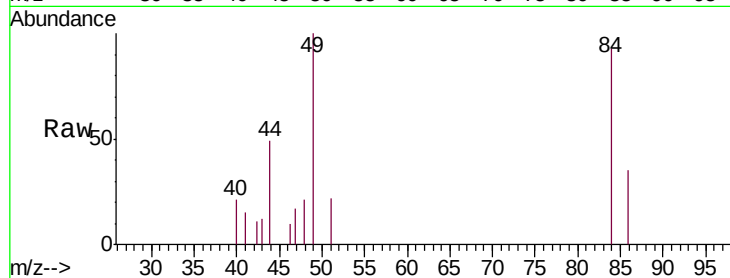
Ion Ratio Lower Upper

84 100

49 107.3 115.0 172.6#

51 23.4 33.8 50.8#

86 37.4 48.2 72.2#

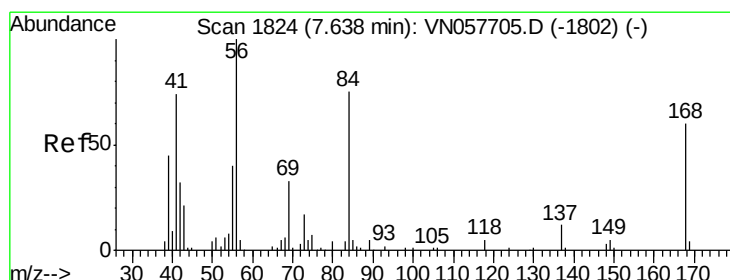
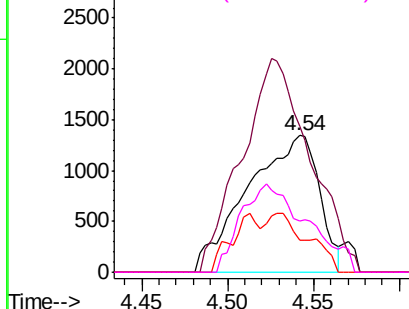


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.02 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

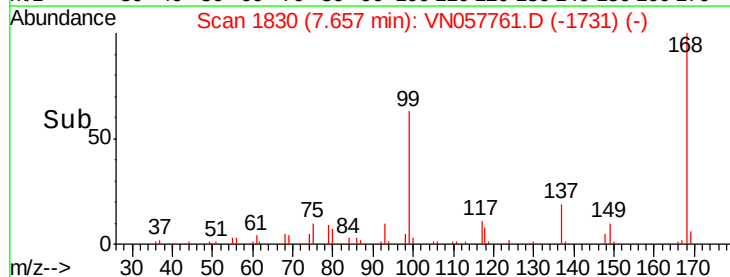
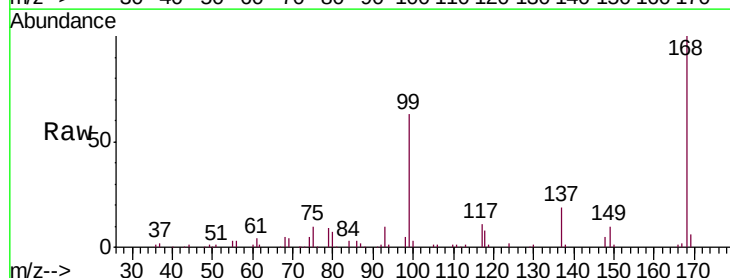
Tgt Ion: 56 Resp: 6124

Ion Ratio Lower Upper

56 100

69 120.5 26.2 39.2#

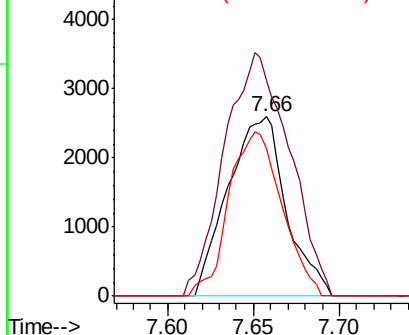
84 82.7 59.8 89.8

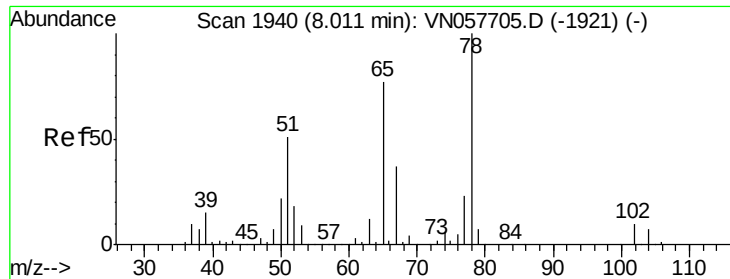


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

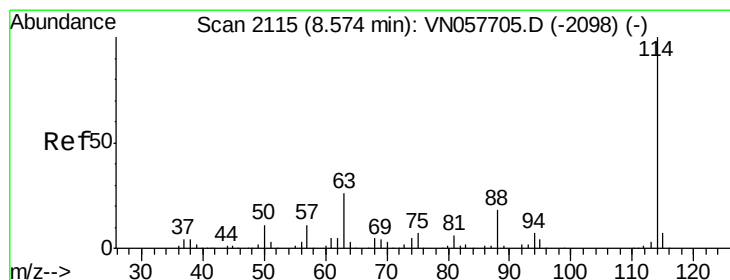
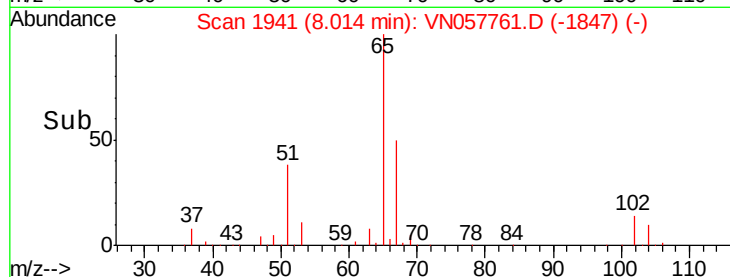
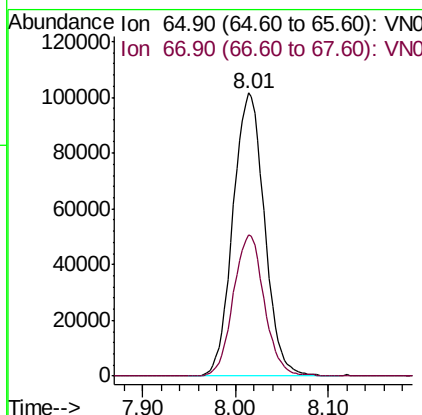
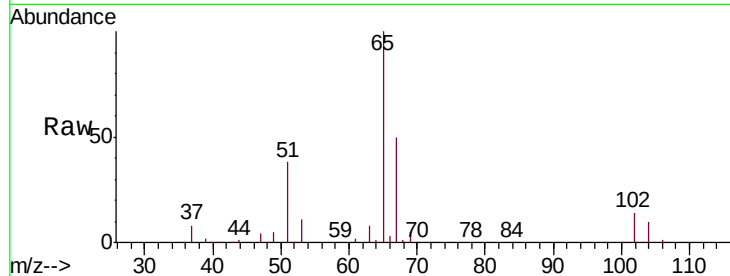




#33
 1,2-Dichloroethane-d4
 Concen: 49.421 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

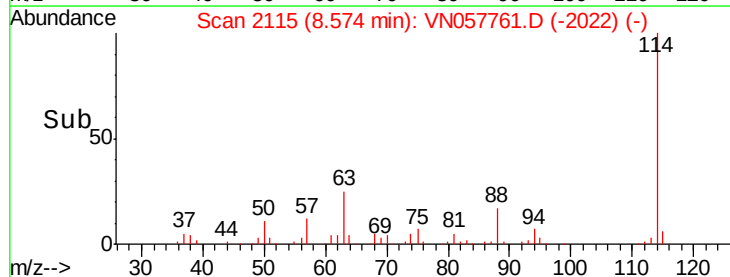
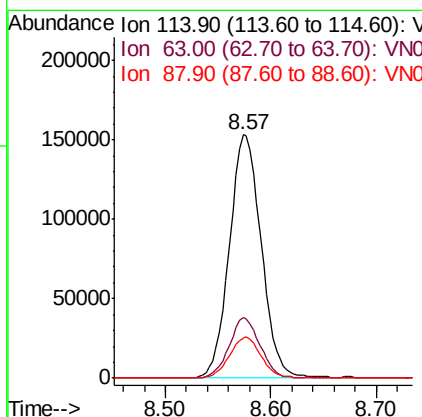
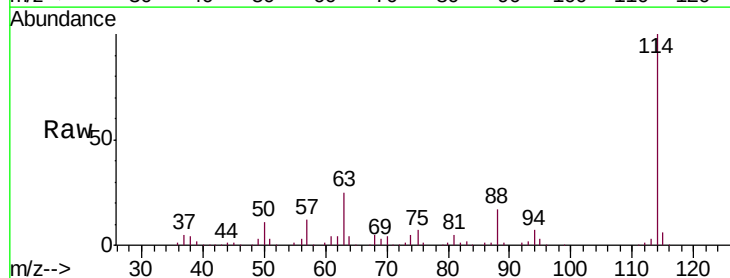
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D3-(0)

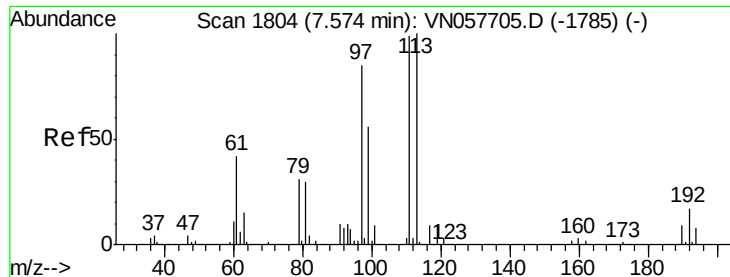
Tgt Ion: 65 Resp: 239852
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

Tgt Ion: 114 Resp: 320958
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 52.4
 88 16.6 0.0 35.4

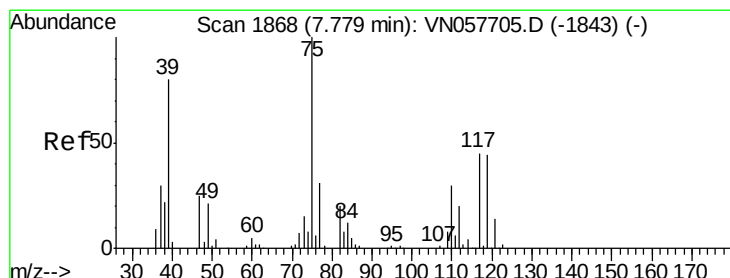
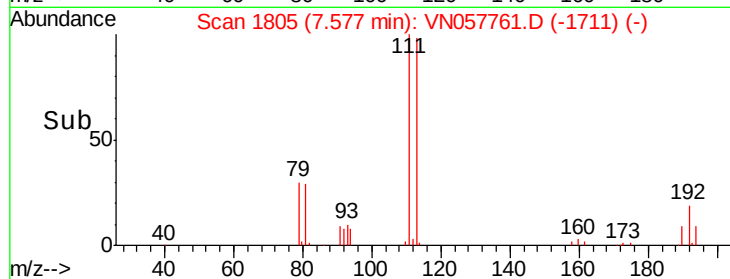
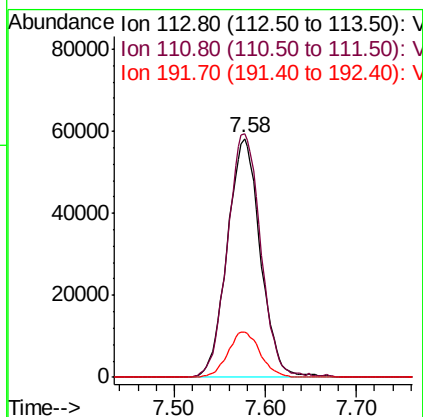
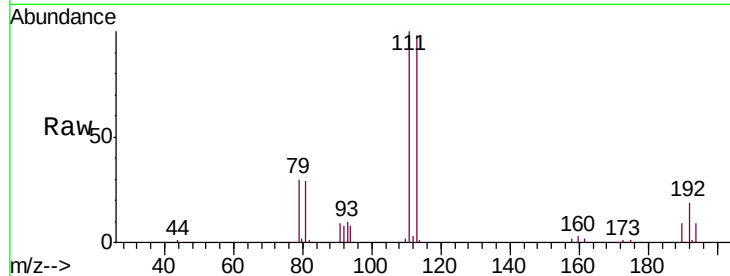




#35
 Dibromofluoromethane
 Concen: 50.240 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

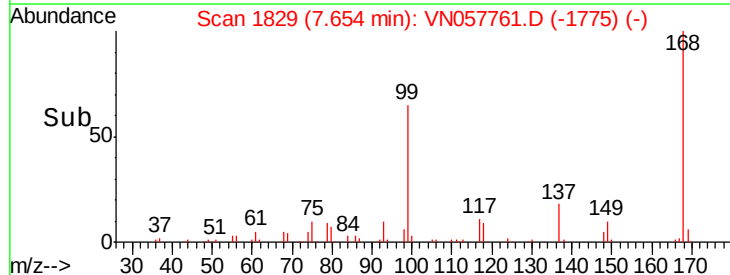
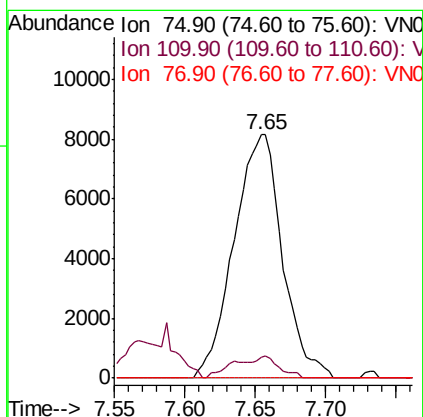
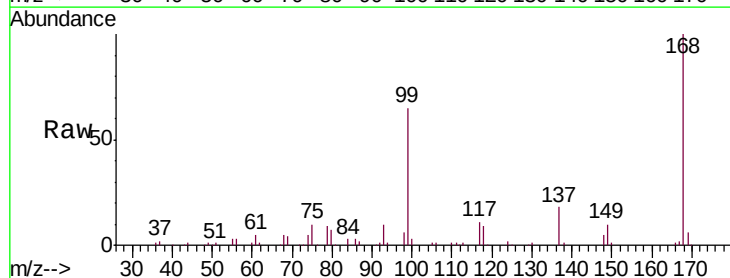
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D3-(0)

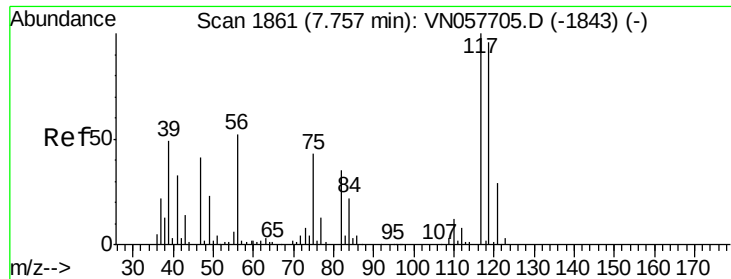
Tgt Ion: 113 Resp: 146873
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 18.5 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

Tgt Ion: 75 Resp: 19517
 Ion Ratio Lower Upper
 75 100
 110 4.2 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampled :

T12-D3-(0)

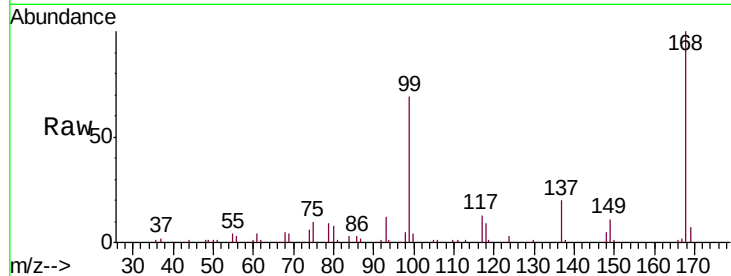
Tgt Ion:117 Resp: 22711

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

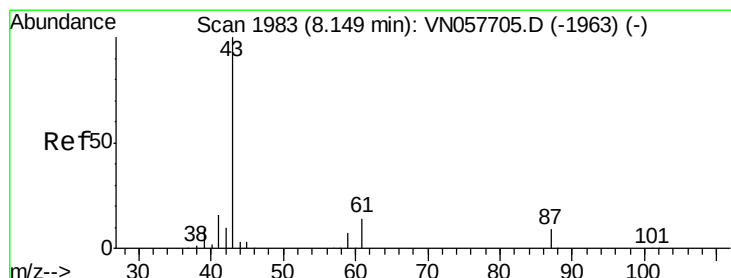
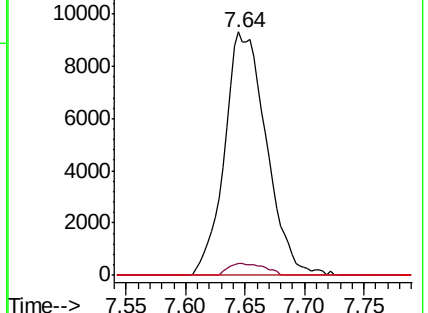
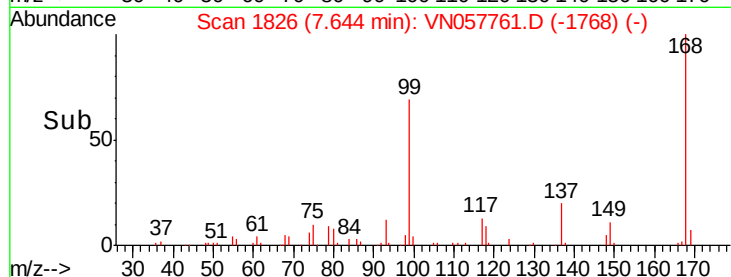
121 0.0 23.4 35.2#



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: 4.134 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

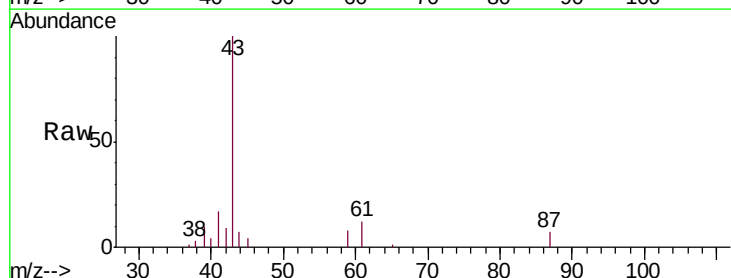
Tgt Ion: 43 Resp: 33638

Ion Ratio Lower Upper

43 100

61 14.1 12.8 19.2

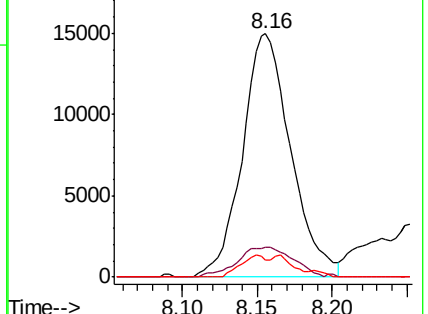
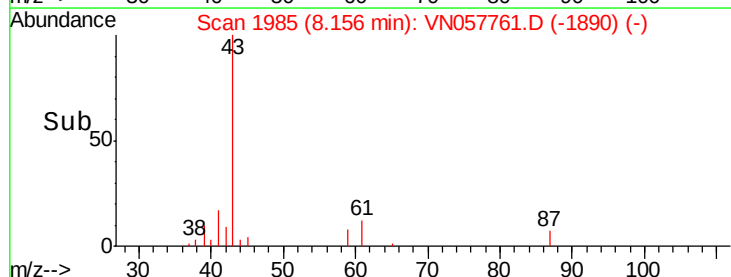
87 5.2 7.8 11.8#

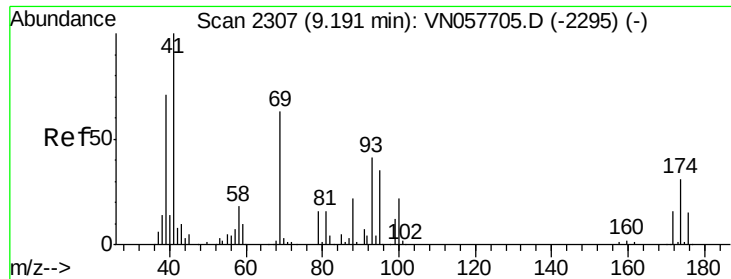


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

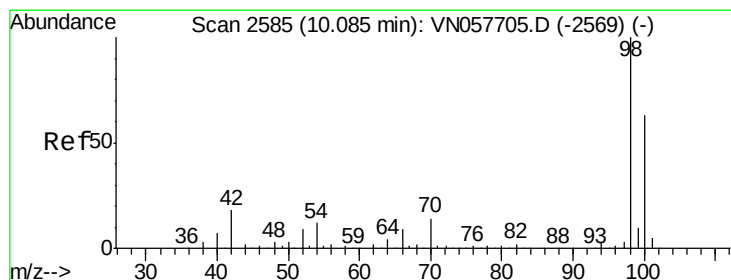
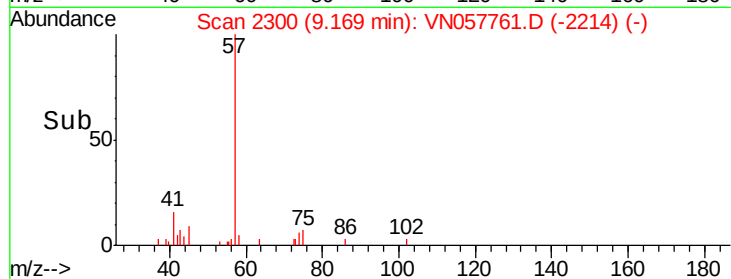
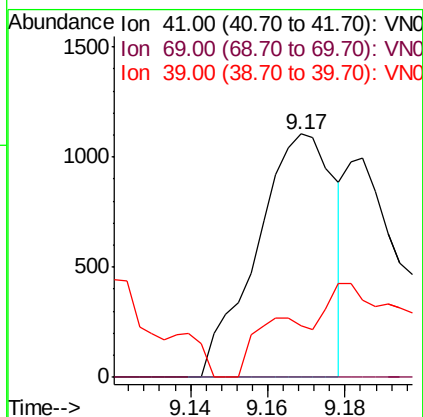
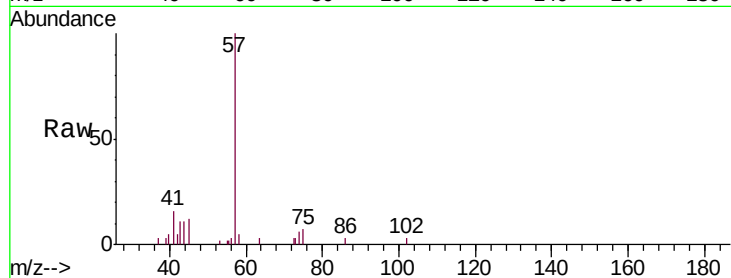




#48
Methyl methacrylate
Concen: 0.369 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN057761.D
Acq: 7 Sep 2019 18:03

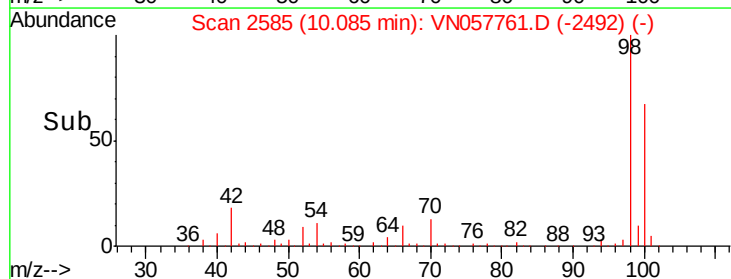
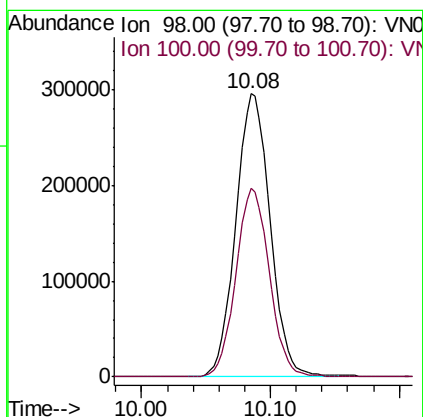
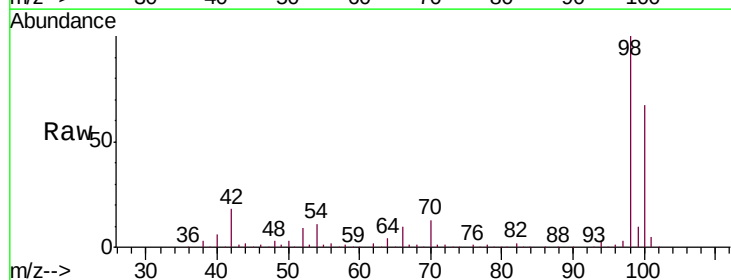
Instrument :
MSVOA_N
ClientSampleId :
T12-D3-(0)

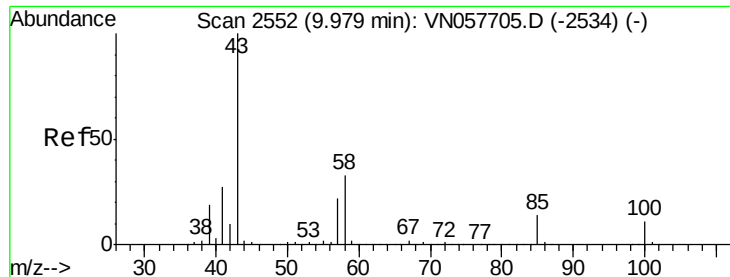
Tgt Ion: 41 Resp: 1543
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057761.D
Acq: 7 Sep 2019 18:03

Tgt Ion: 98 Resp: 548711
Ion Ratio Lower Upper
98 100
100 64.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.573 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampleId :

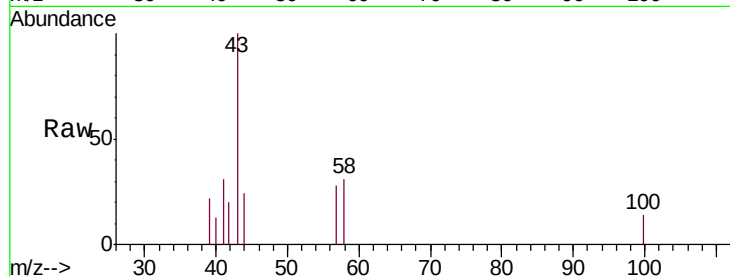
T12-D3-(0)

Tgt Ion: 43 Resp: 2590

Ion Ratio Lower Upper

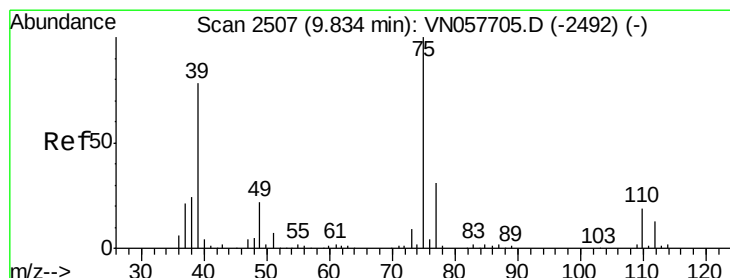
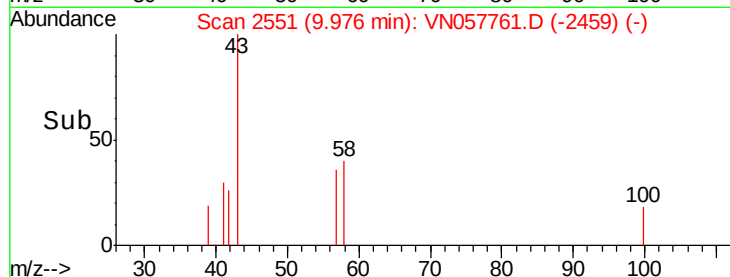
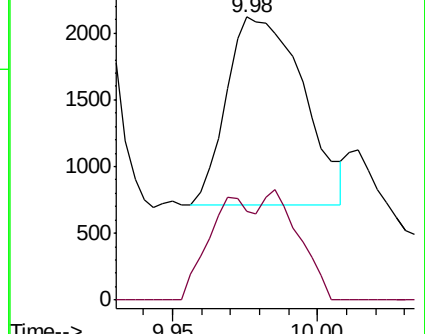
43 100

58 33.3 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: 3.585 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

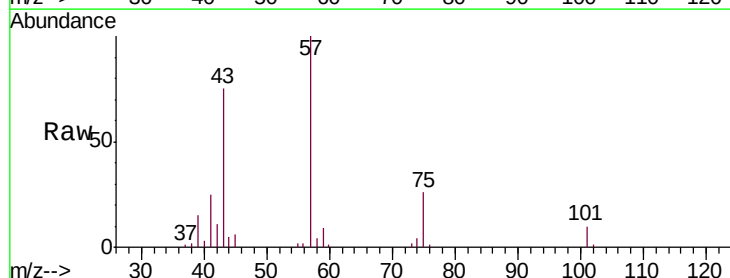
Tgt Ion: 75 Resp: 17892

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

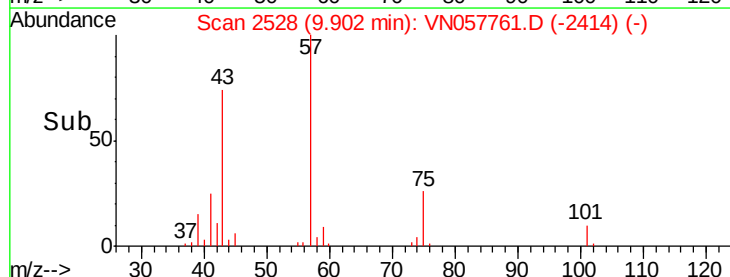
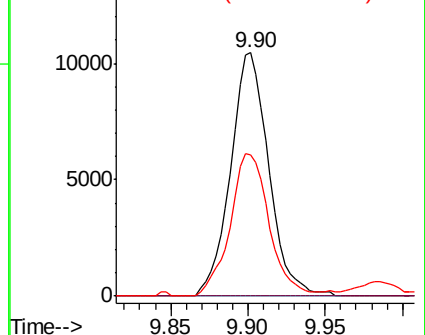
39 58.3 62.4 93.6#

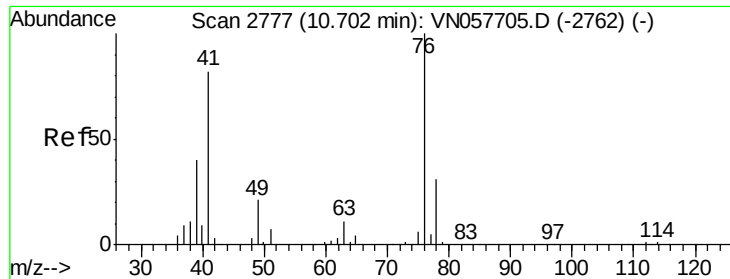


Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-2492) (-)

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

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

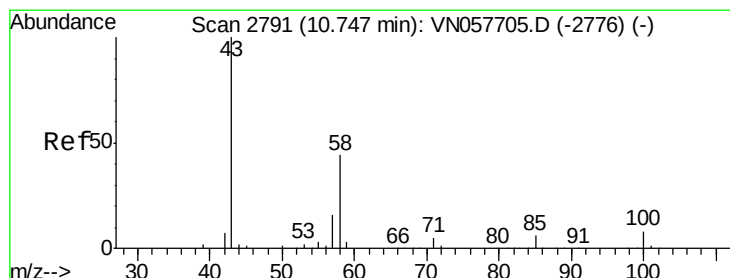
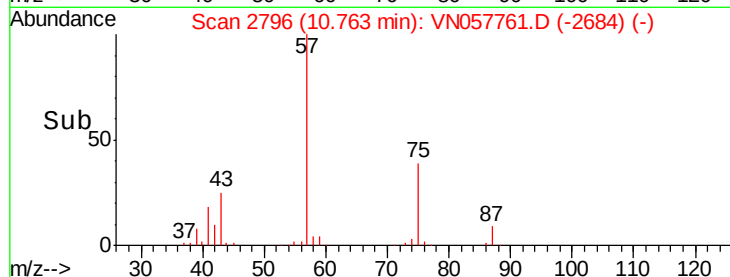
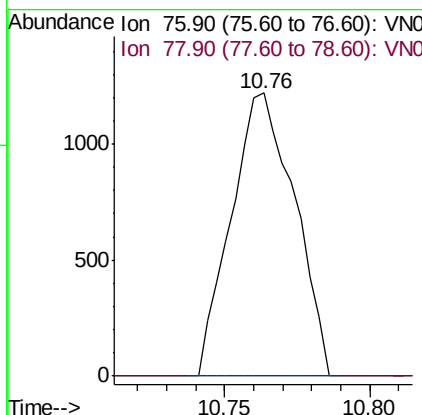
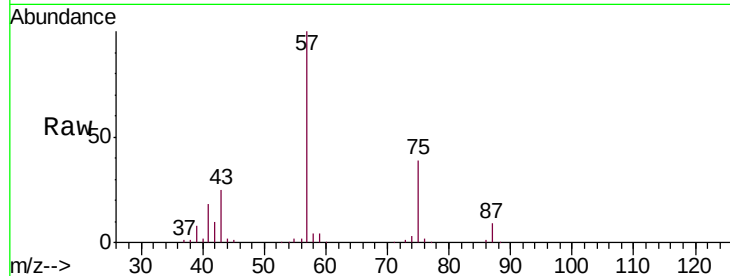




#57
 1,3-Dichloropropane
 Concen: 0.350 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

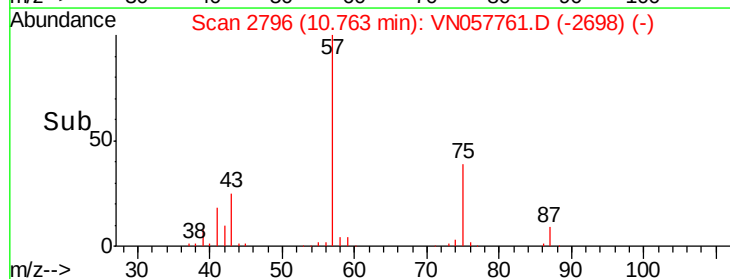
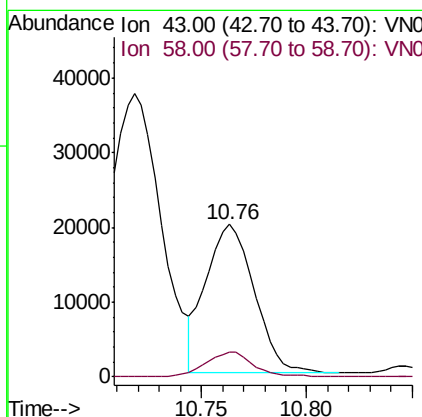
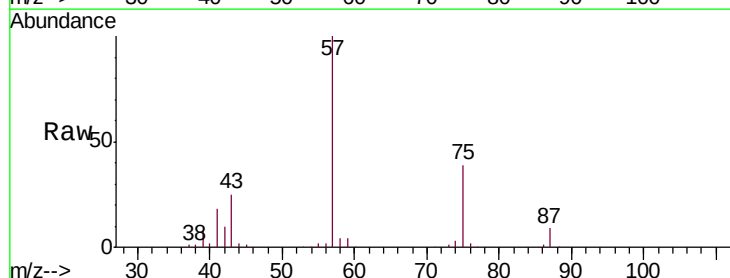
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D3-(0)

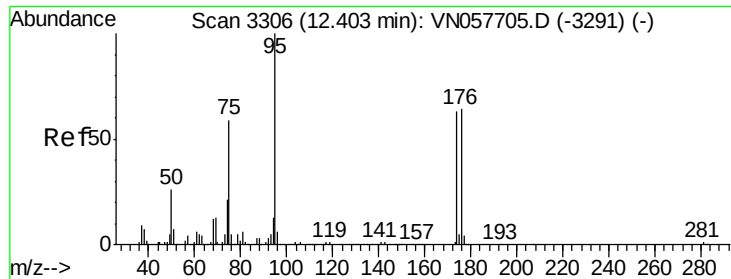
Tgt Ion: 76 Resp: 1850
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 9.947 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

Tgt Ion: 43 Resp: 31694
 Ion Ratio Lower Upper
 43 100
 58 16.6 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 44.966 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampleId :

T12-D3-(0)

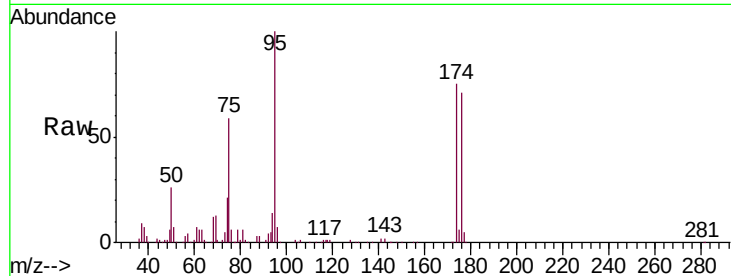
Tgt Ion: 95 Resp: 201980

Ion Ratio Lower Upper

95 100

174 74.9 0.0 128.0

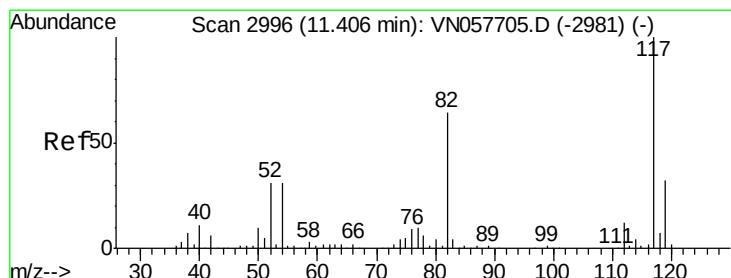
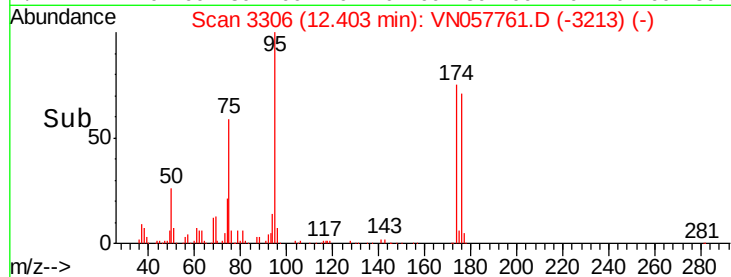
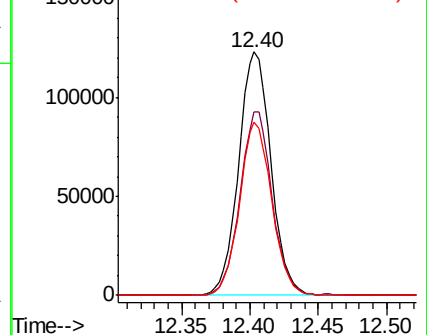
176 71.1 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

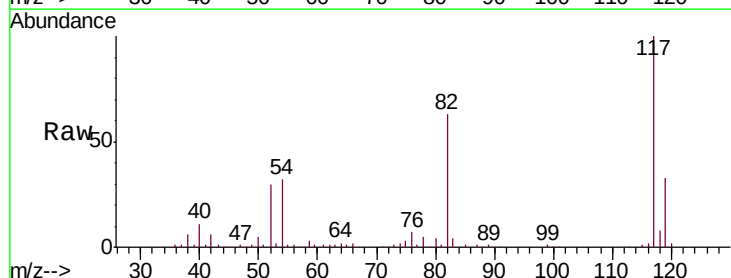
Tgt Ion: 117 Resp: 291068

Ion Ratio Lower Upper

117 100

82 63.1 51.4 77.0

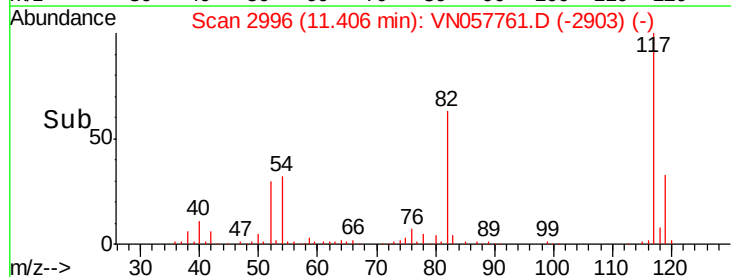
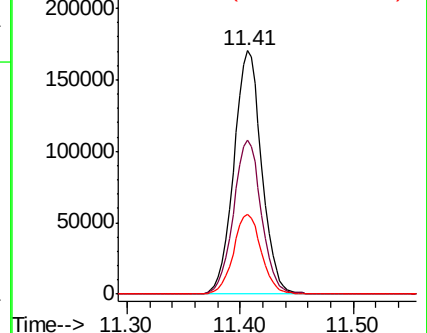
119 32.6 25.4 38.2

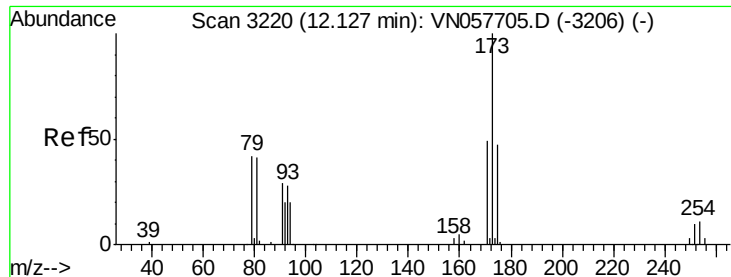


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

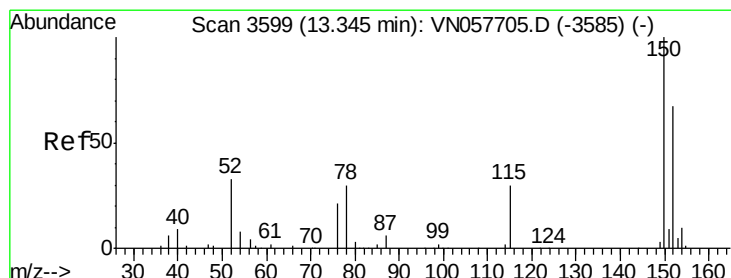
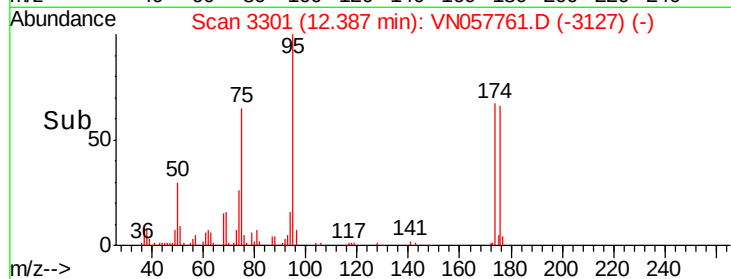
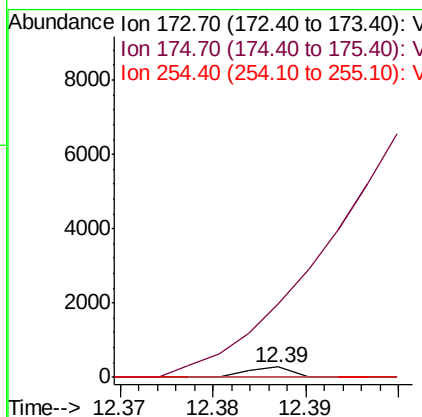
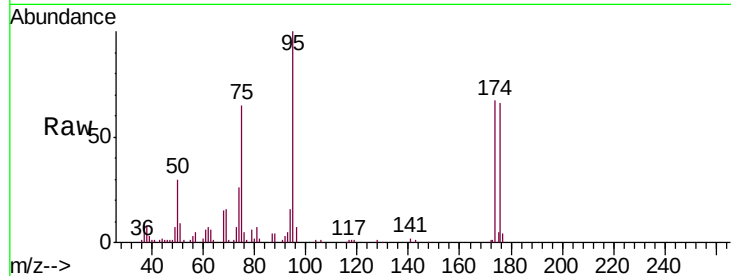




#71
 Bromoform
 Concen: 3.284 ug/l
 RT: 12.39 min Scan# 3301
 Delta R.T. 0.26 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

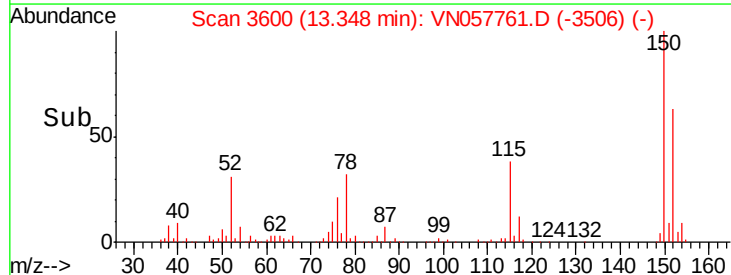
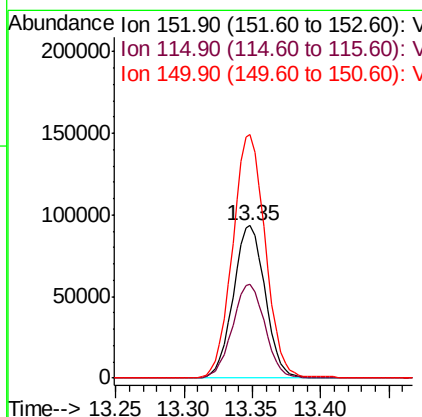
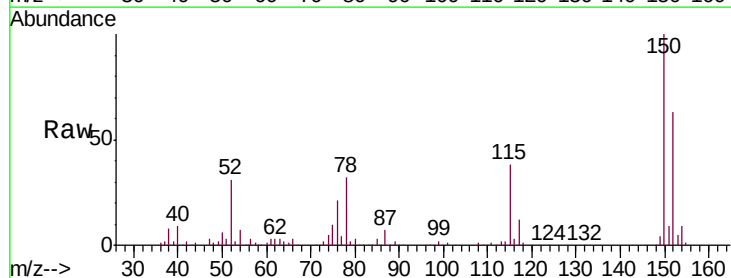
Instrument :
 MSVOA_N
 ClientSampled :
 T12-D3-(0)

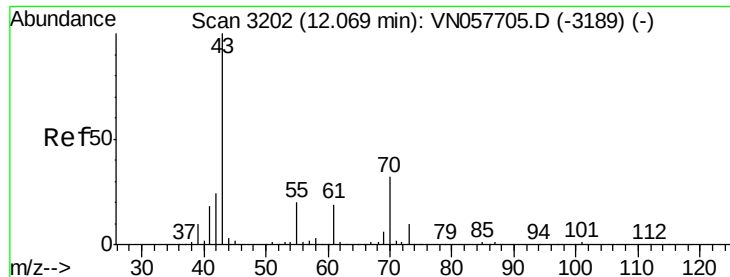
Tgt Ion:173 Resp: 89
 Ion Ratio Lower Upper
 173 100
 175 10529.2 24.6 73.8#
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

Tgt Ion:152 Resp: 152267
 Ion Ratio Lower Upper
 152 100
 115 62.9 33.8 101.3
 150 163.3 0.0 345.4





#74

N-ethyl acetate

Concen: 0.384 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057761.D

Acq: 7 Sep 2019 18:03

Instrument :

MSVOA_N

ClientSampleId :

T12-D3-(0)

Tgt Ion: 43 Resp: 2580

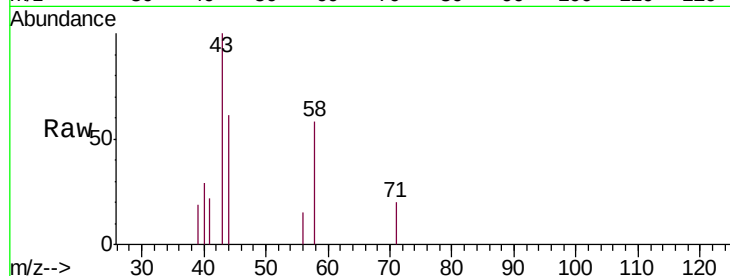
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 2.7 16.3 24.5#

61 0.0 15.0 22.4#

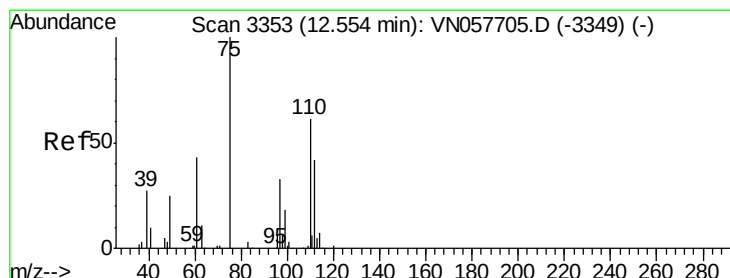
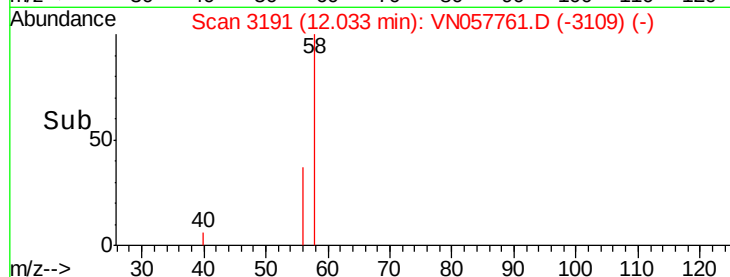
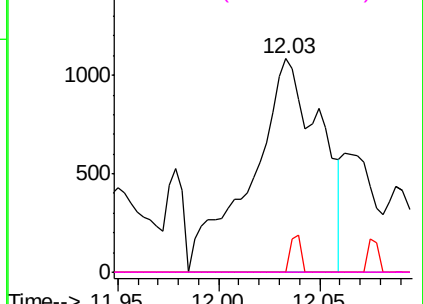


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 34.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057761.D

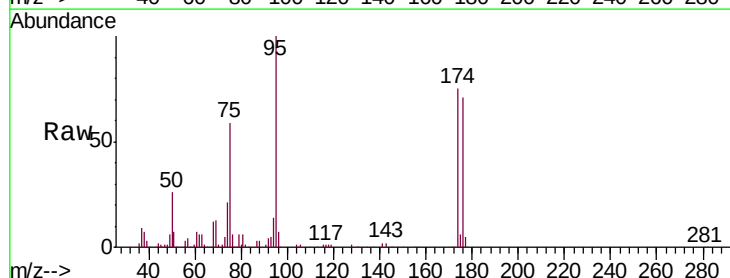
Acq: 7 Sep 2019 18:03

Tgt Ion: 75 Resp: 121615

Ion Ratio Lower Upper

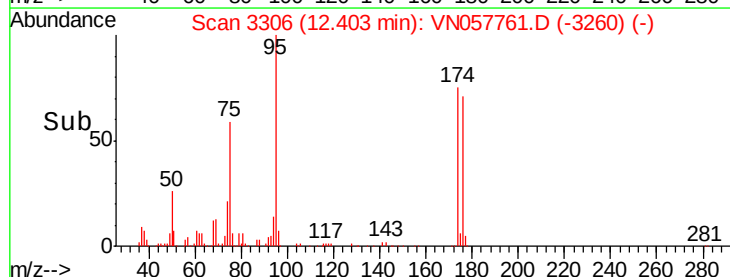
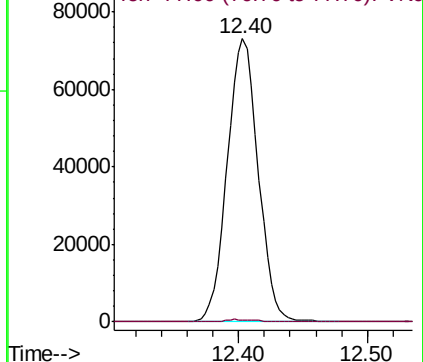
75 100

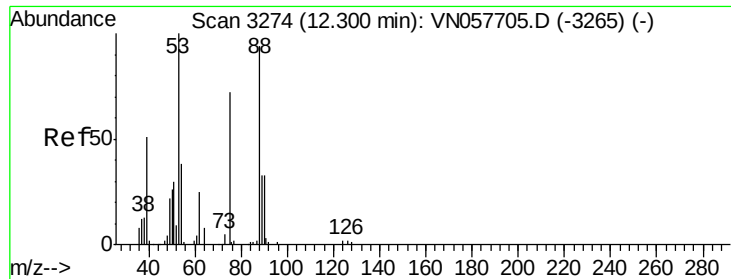
77 0.5 0.0 0.0#



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: 108.168 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057761.D
 Acq: 7 Sep 2019 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D3-(0)

Tgt Ion: 75 Resp: 121615
 Ion Ratio Lower Upper
 75 100
 53 0.0 107.0 160.6#
 89 0.0 36.5 54.7#

