

Data File : VN057764.D
Acq On : 7 Sep 2019 19:09
Operator : JC/SP
Sample : K4581-36
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D2-(3.5)

Quant Time: Sep 08 06:38:53 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	195735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	288292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	156342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	232088	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.58	113	140003	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.08	98	540277	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	197605	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds

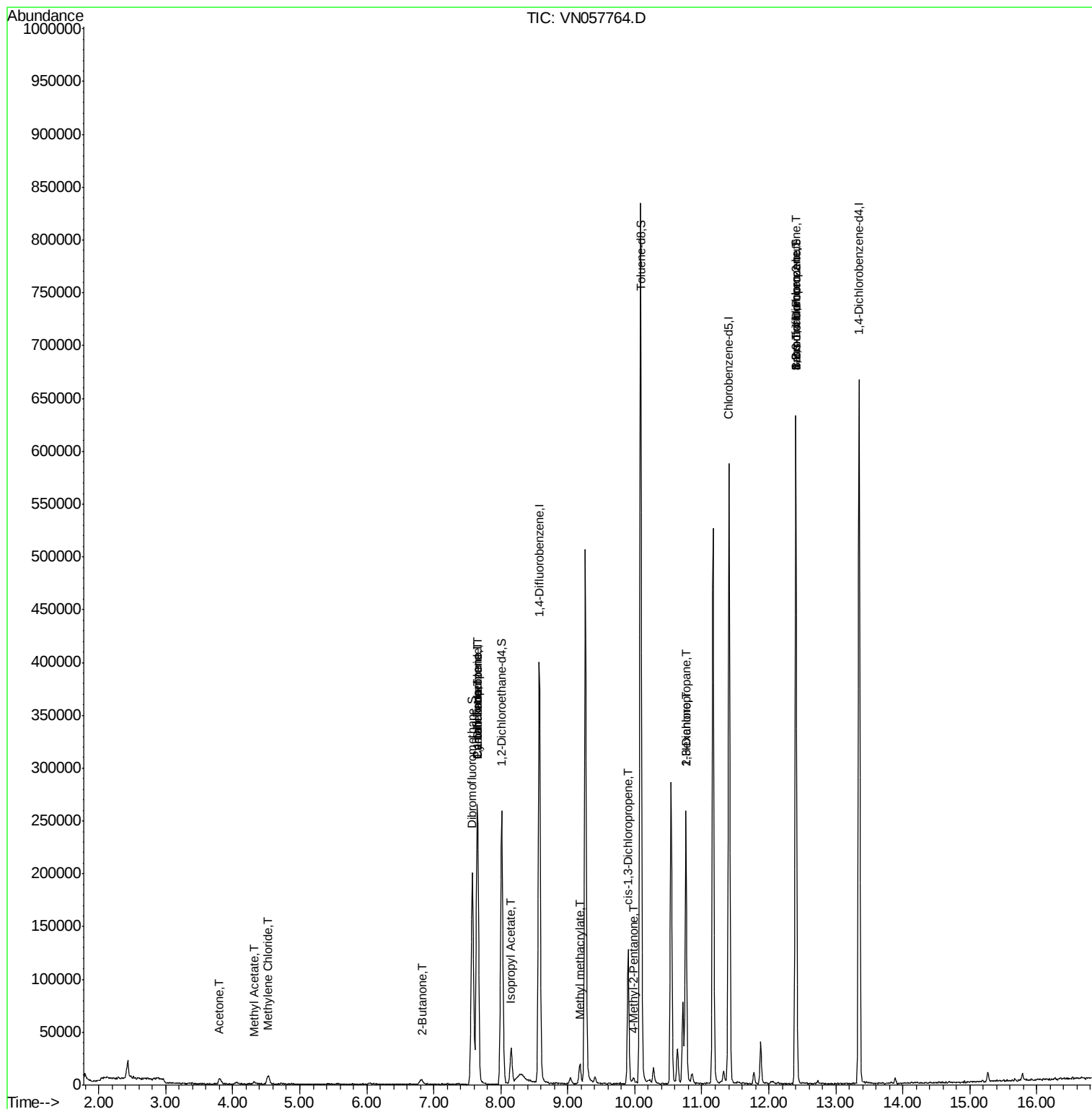
						Qvalue
3) Chloromethane	2.04	50	809	Below Cal	#	42
16) Acetone	3.80	43	8643	5.898	ug/l #	86
18) Methyl Acetate	4.31	43	2948	0.740	ug/l #	77
20) Methylene Chloride	4.53	84	2799	0.883	ug/l #	77
25) 2-Butanone	6.82	43	823	0.392	ug/l #	55
31) Cyclohexane	7.65	56	6118	1.145	ug/l #	36
36) 1,1-Dichloropropene	7.65	75	18009	4.259	ug/l #	50
38) Carbon Tetrachloride	7.66	117	21741	5.370	ug/l #	16
43) Isopropyl Acetate	8.16	43	41812	5.189	ug/l	97
48) Methyl methacrylate	9.17	41	3080	0.743	ug/l #	40
51) 4-Methyl-2-Pentanone	9.97	43	3846	0.859	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	18976	3.839	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	2332	0.445	ug/l #	43
59) 2-Hexanone	10.76	43	40449	12.819	ug/l #	60
71) Bromoform	12.40	173	1527	3.972	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	119362	33.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	119362	103.397	ug/l #	1

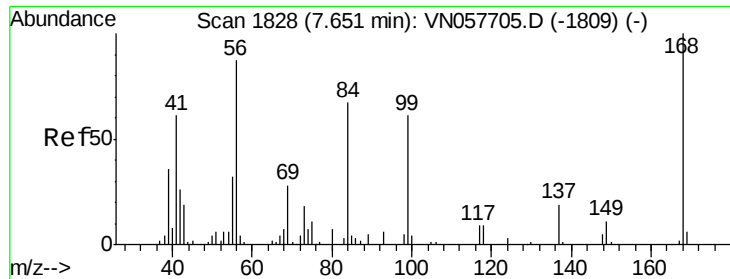
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

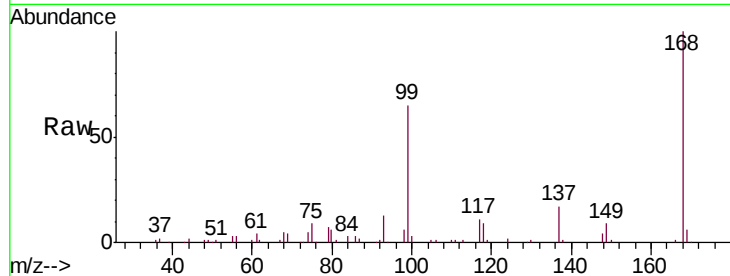
T12-D2-(3.5)

Tgt Ion: 168 Resp: 195735

Ion Ratio Lower Upper

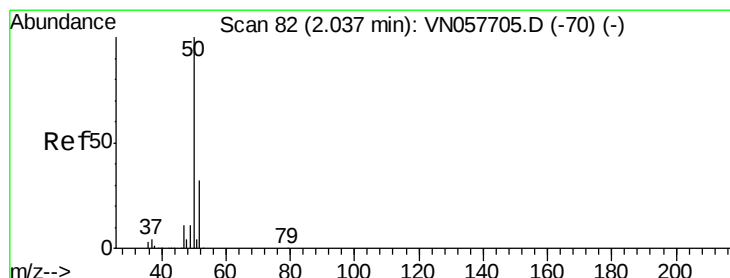
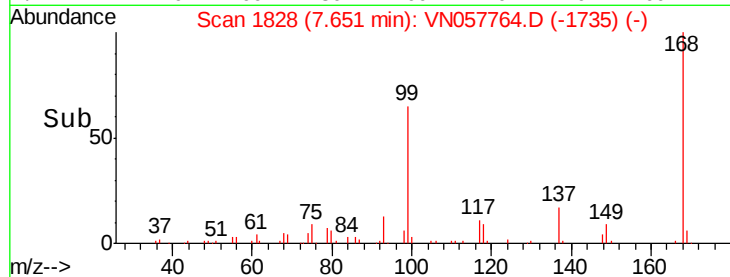
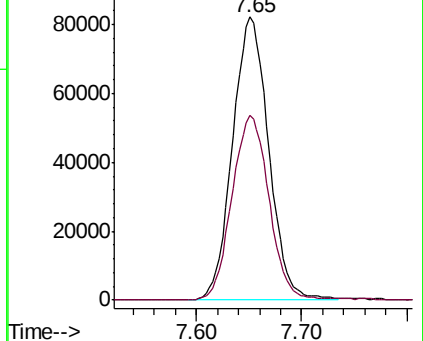
168 100

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): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN057764.D

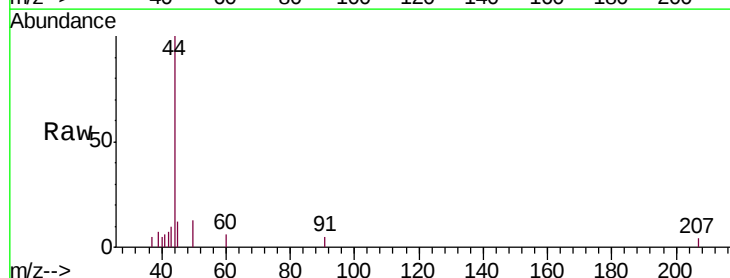
Acq: 7 Sep 2019 19:09

Tgt Ion: 50 Resp: 809

Ion Ratio Lower Upper

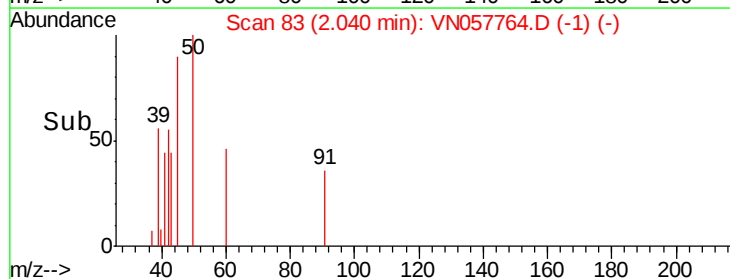
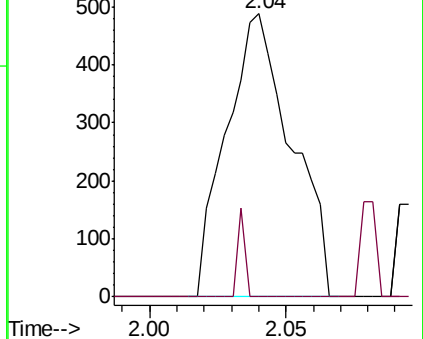
50 100

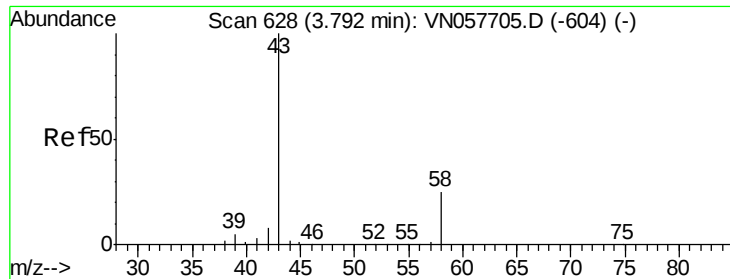
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

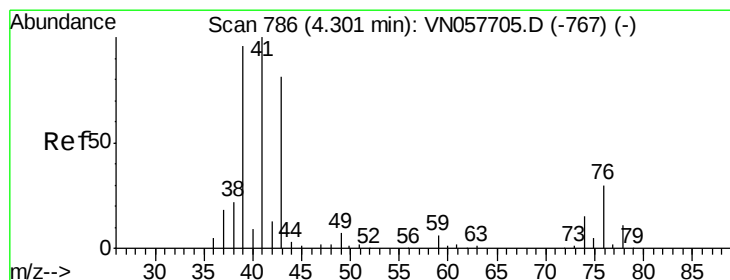
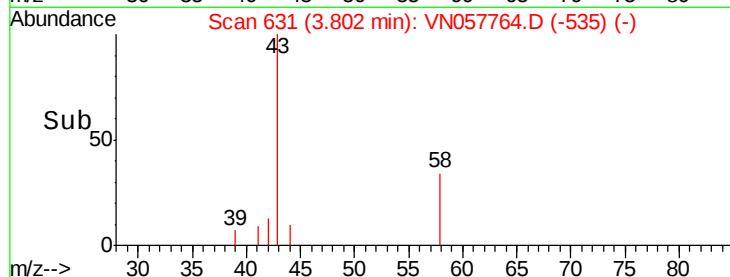
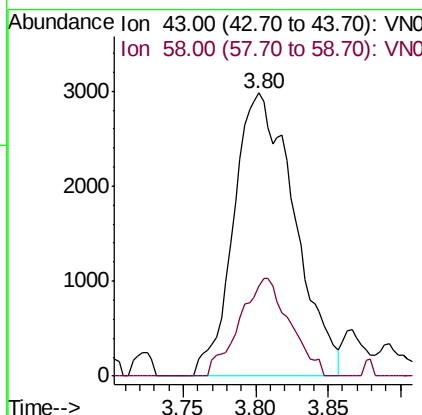
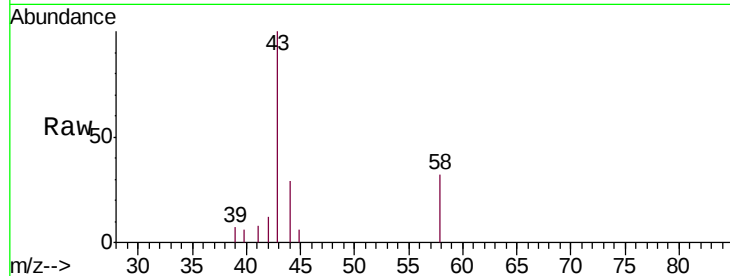




#16
 Acetone
 Concen: 5.898 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN057764.D
 Acq: 7 Sep 2019 19:09

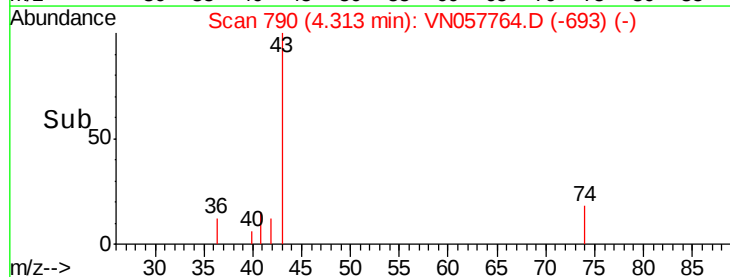
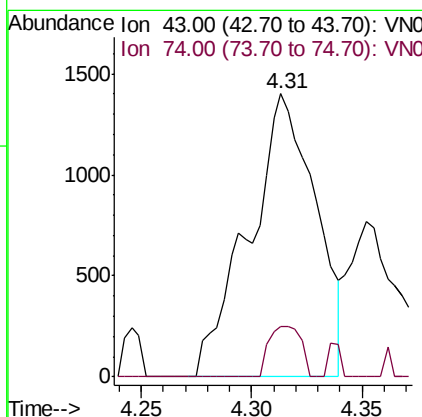
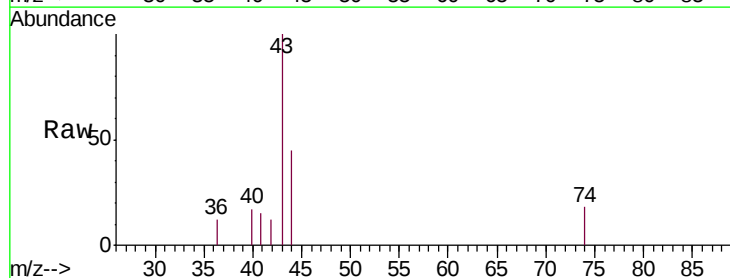
Instrument :
 MSVOA_N
 ClientSampled :
 T12-D2-(3.5)

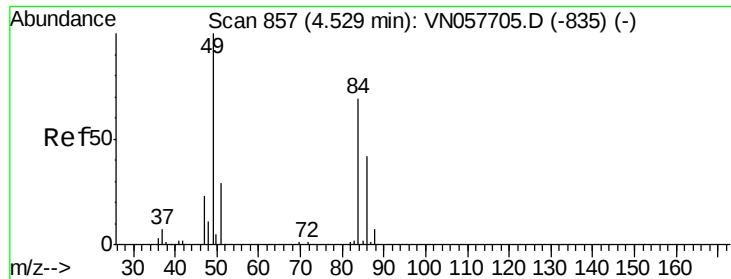
Tgt Ion: 43 Resp: 8643
 Ion Ratio Lower Upper
 43 100
 58 32.0 19.8 29.8#



#18
 Methyl Acetate
 Concen: 0.740 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: VN057764.D
 Acq: 7 Sep 2019 19:09

Tgt Ion: 43 Resp: 2948
 Ion Ratio Lower Upper
 43 100
 74 8.5 15.3 22.9#

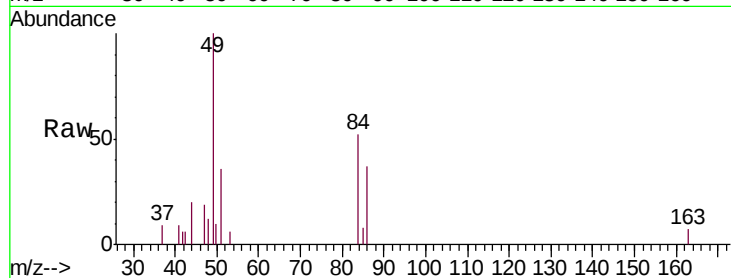




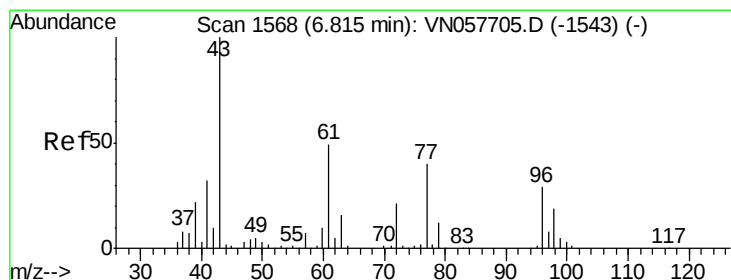
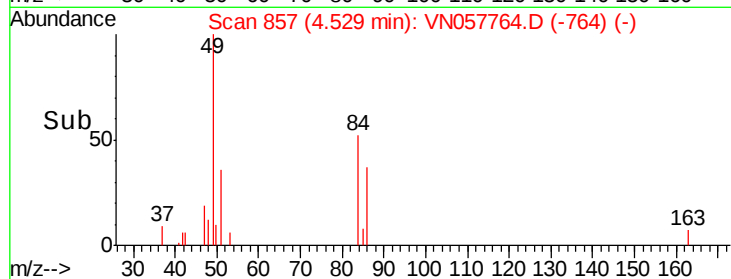
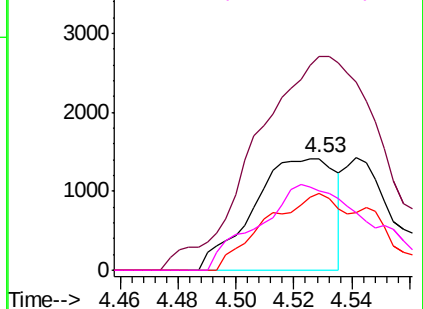
#20
Methylene Chloride
Concen: 0.883 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Instrument :
MSVOA_N
ClientSampled :
T12-D2-(3.5)

Tgt Ion: 84 Resp: 2799
Ion Ratio Lower Upper
84 100
49 170.1 115.0 172.6
51 68.9 33.8 50.8#
86 71.3 48.2 72.2

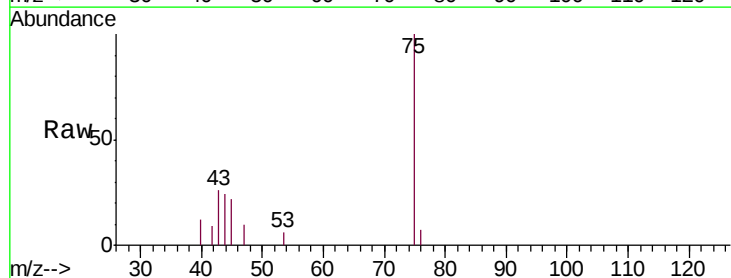


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

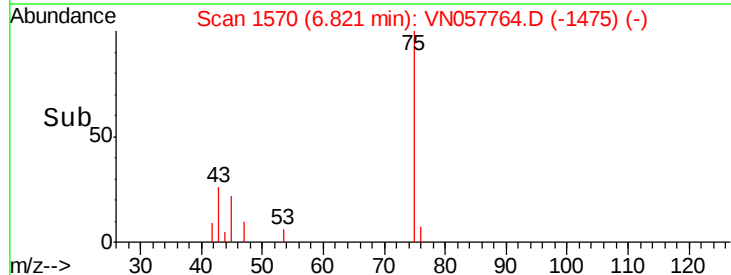
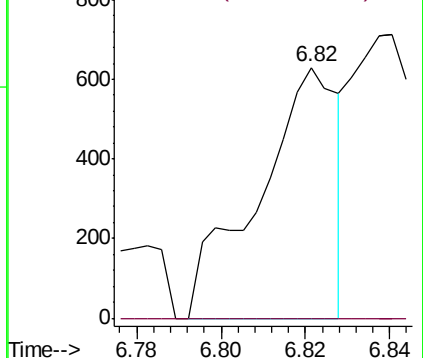


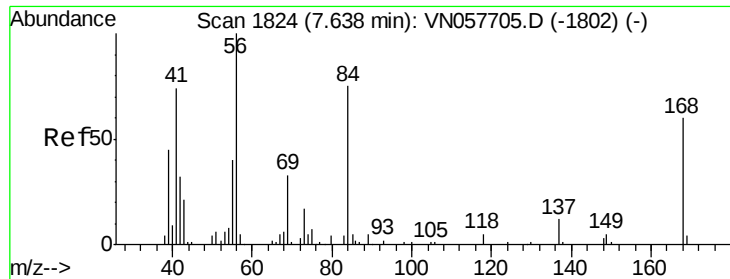
#25
2-Butanone
Concen: 0.392 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

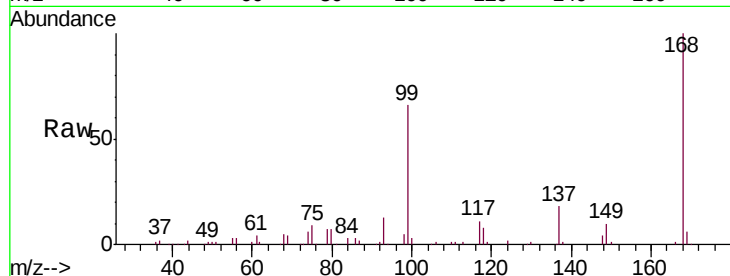




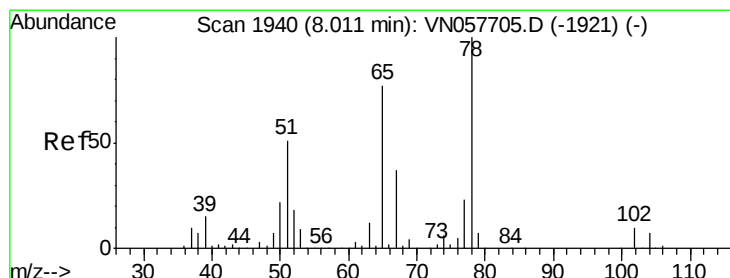
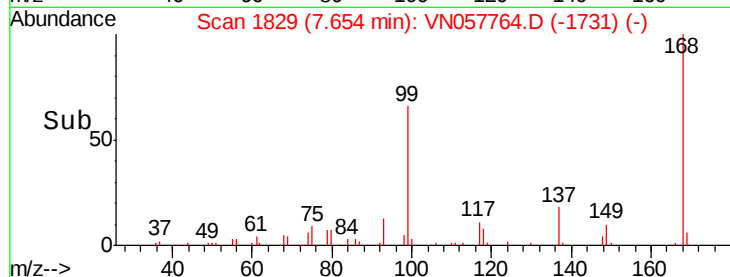
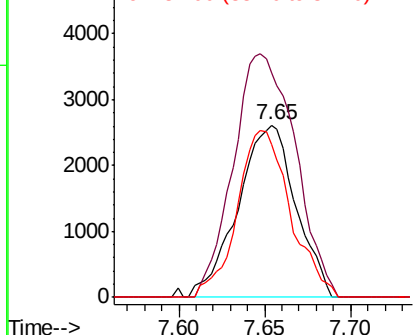
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
T12-D2-(3.5)

Tgt Ion: 56 Resp: 6118
Ion Ratio Lower Upper
56 100
69 130.4 26.2 39.2#
84 88.6 59.8 89.8

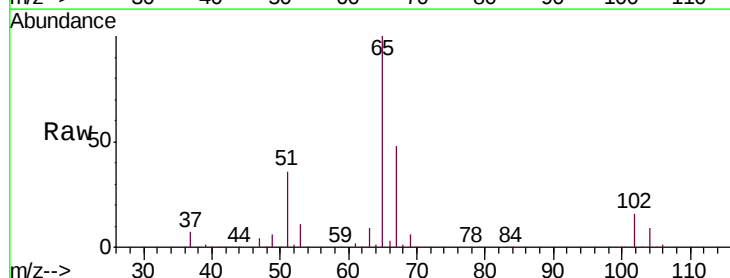


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

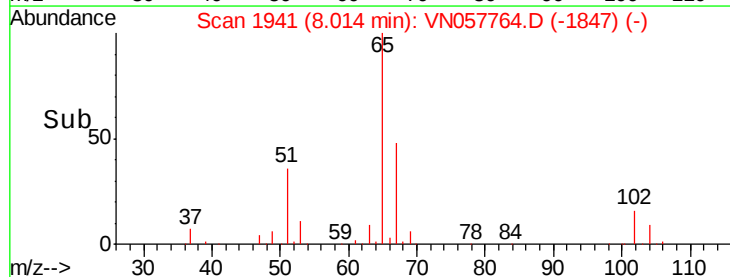
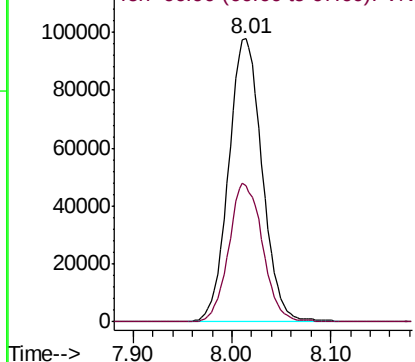


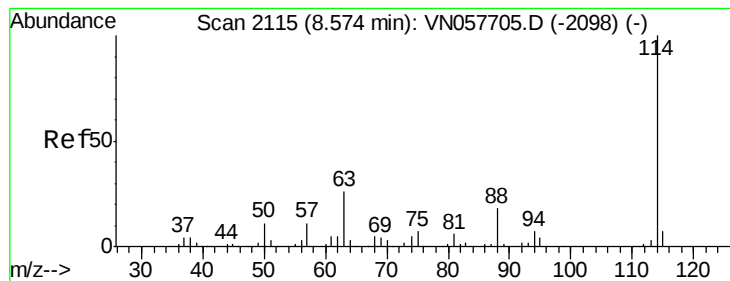
#33
1,2-Dichloroethane-d4
Concen: 48.741 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Tgt Ion: 65 Resp: 232088
Ion Ratio Lower Upper
65 100
67 49.3 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: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

T12-D2-(3.5)

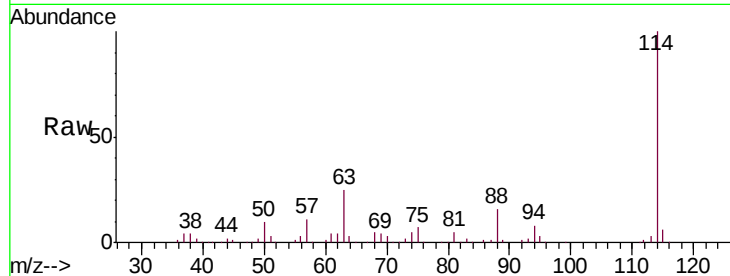
Tgt Ion:114 Resp: 317843

Ion Ratio Lower Upper

114 100

63 24.8 0.0 52.4

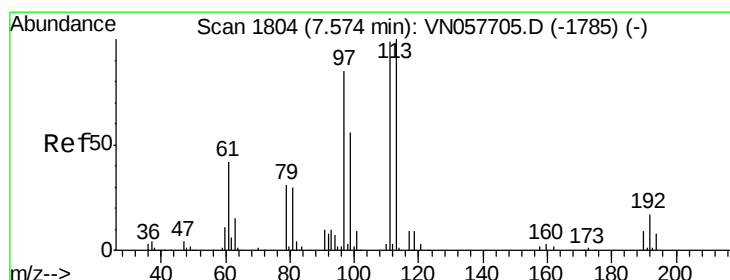
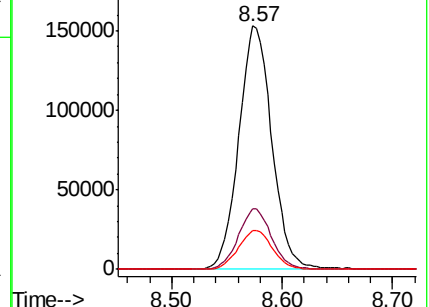
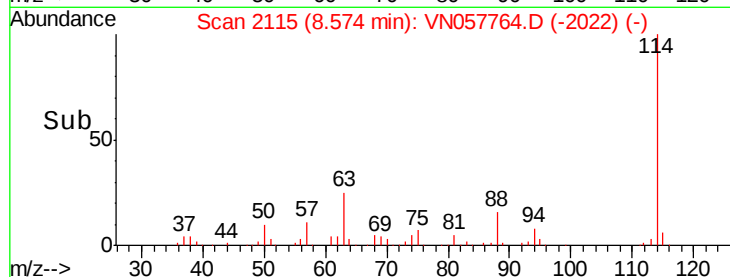
88 16.1 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.359 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

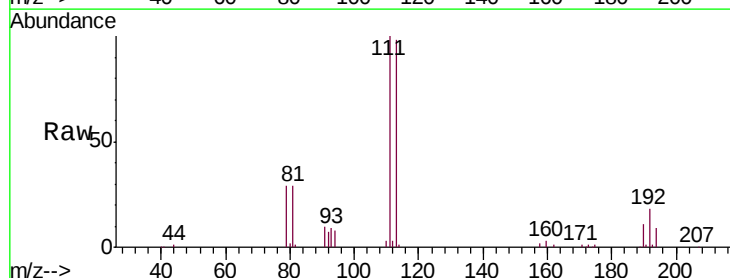
Tgt Ion:113 Resp: 140003

Ion Ratio Lower Upper

113 100

111 105.8 82.7 124.1

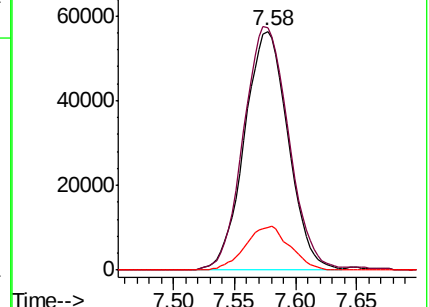
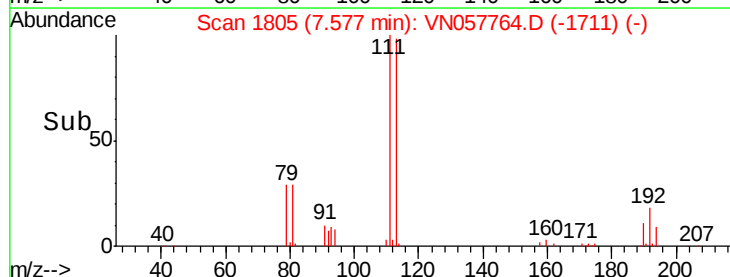
192 18.6 13.8 20.6

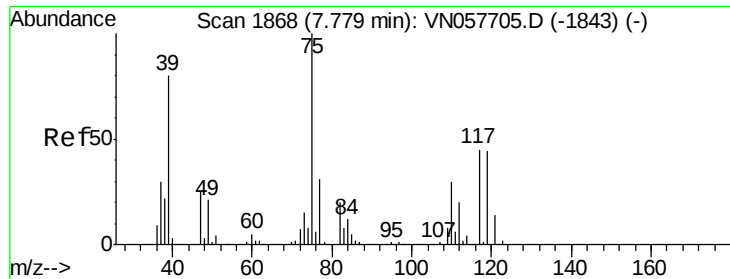


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

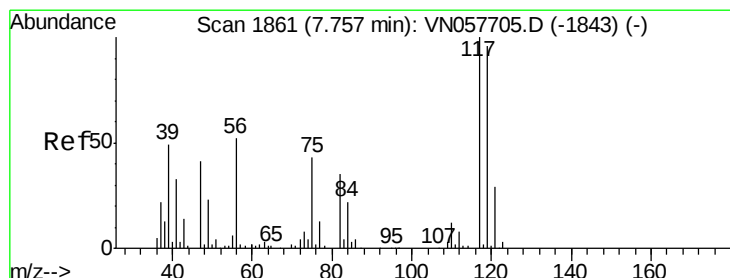
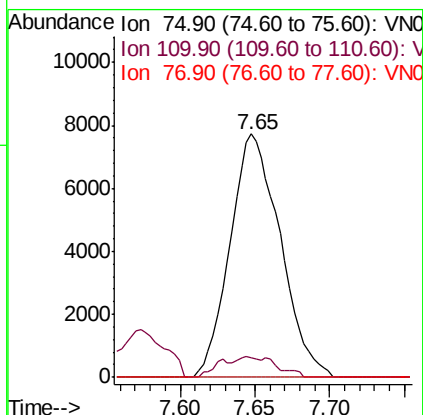
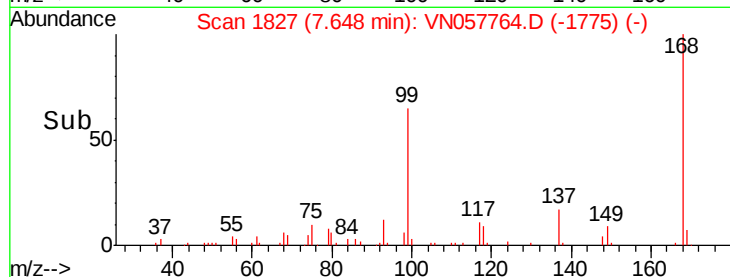
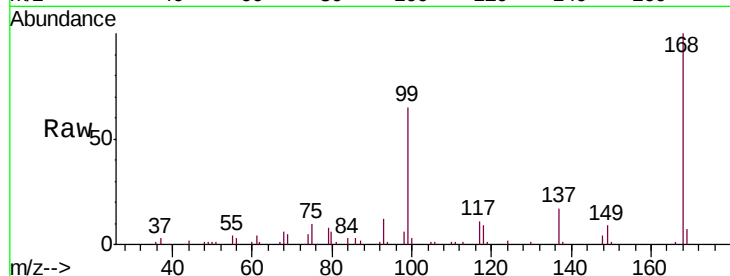




#36
 1,1-Dichloropropene
 Concen: 4.259 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057764.D
 Acq: 7 Sep 2019 19:09

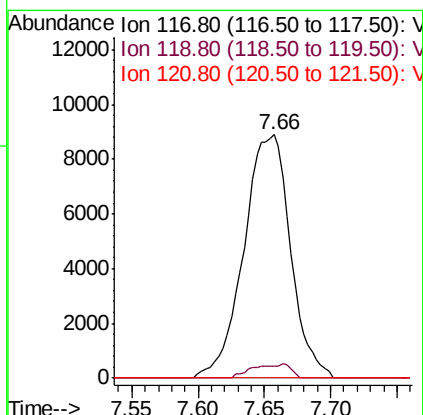
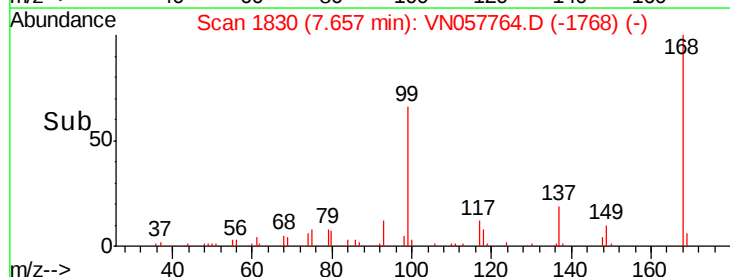
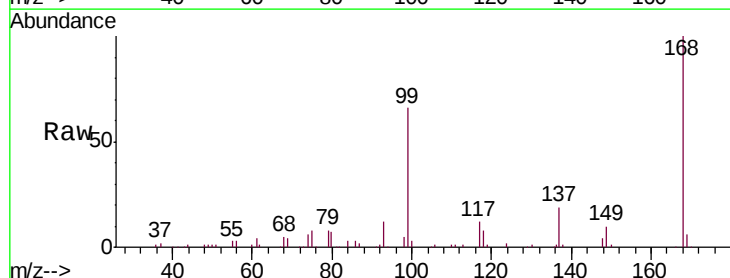
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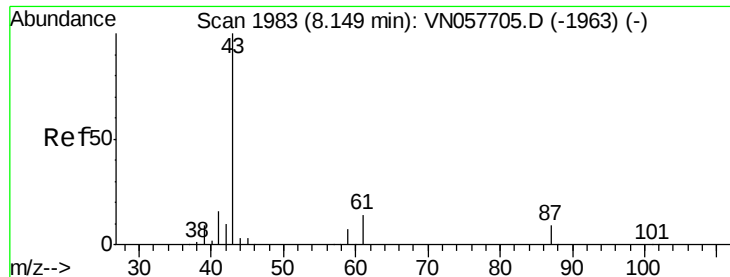
Tgt Ion: 75 Resp: 18009
 Ion Ratio Lower Upper
 75 100
 110 6.6 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.370 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057764.D
 Acq: 7 Sep 2019 19:09

Tgt Ion: 117 Resp: 21741
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 5.189 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

T12-D2-(3.5)

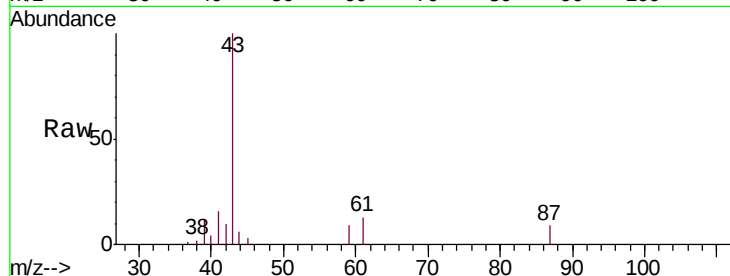
Tgt Ion: 43 Resp: 41812

Ion Ratio Lower Upper

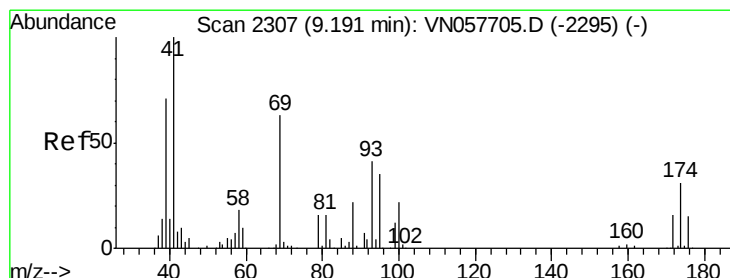
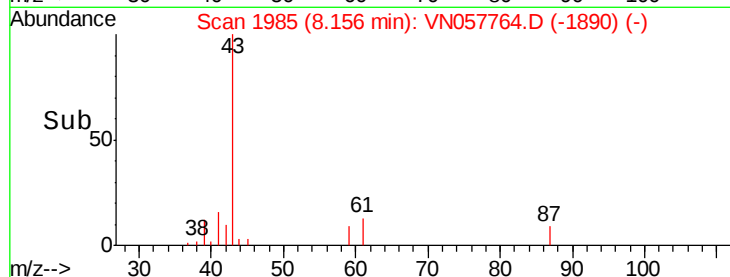
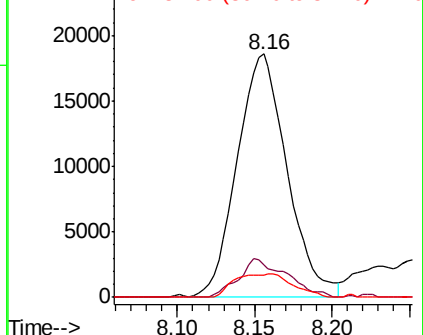
43 100

61 15.1 12.8 19.2

87 11.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.743 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

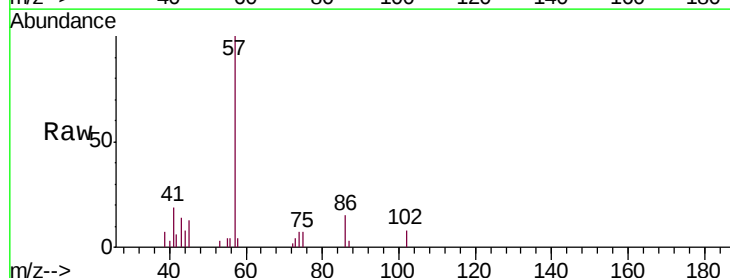
Tgt Ion: 41 Resp: 3080

Ion Ratio Lower Upper

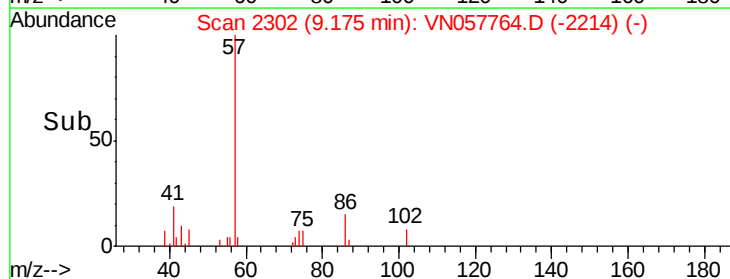
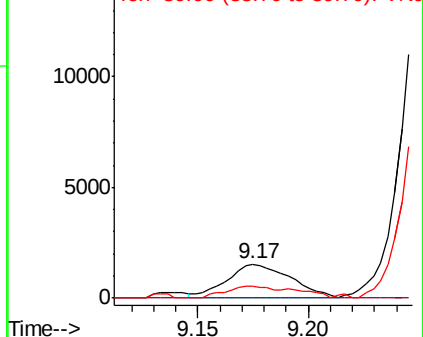
41 100

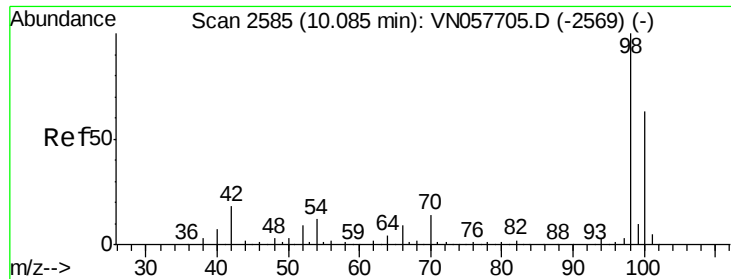
69 0.0 51.2 76.8#

39 38.6 57.3 85.9#



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





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampled :

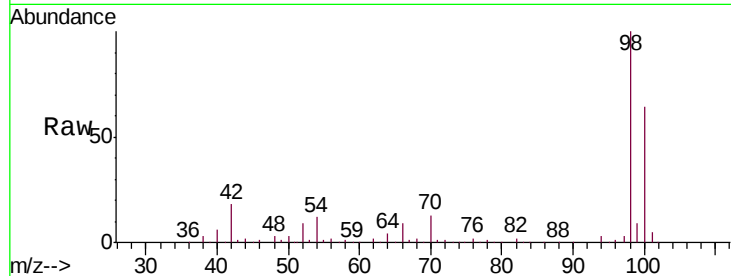
T12-D2-(3.5)

Tgt Ion: 98 Resp: 540277

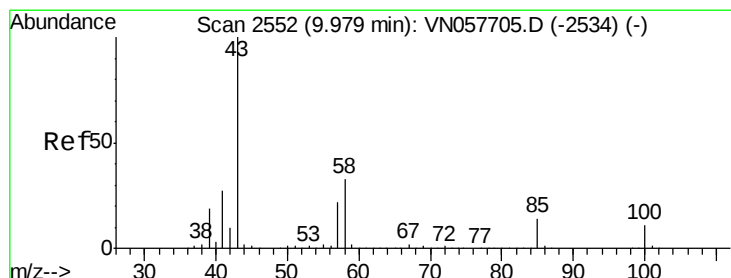
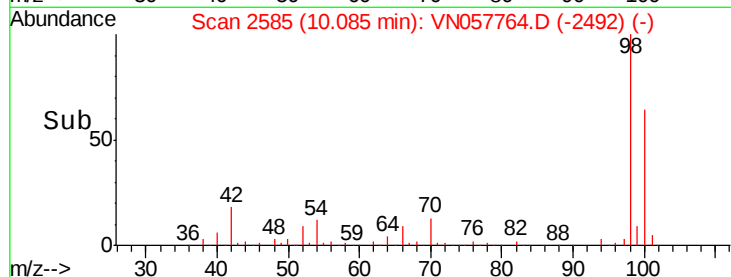
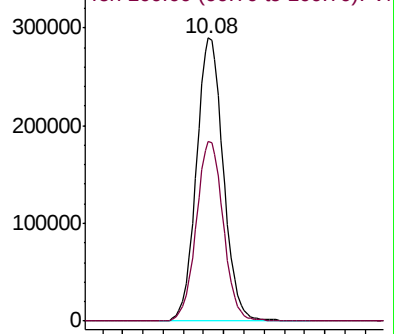
Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



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



#51

4-Methyl-2-Pentanone

Concen: 0.859 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.01 min

Lab File: VN057764.D

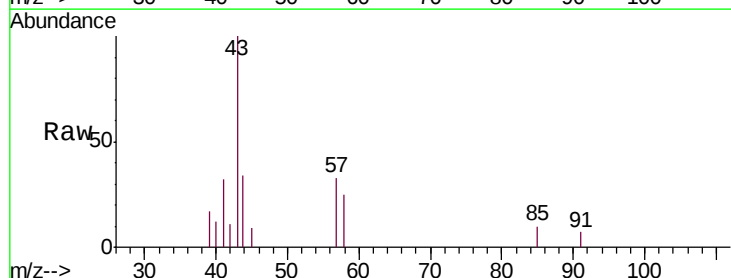
Acq: 7 Sep 2019 19:09

Tgt Ion: 43 Resp: 3846

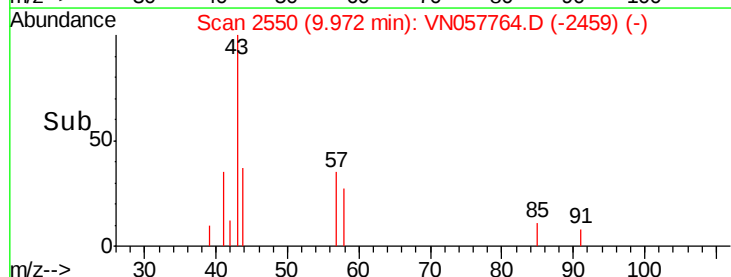
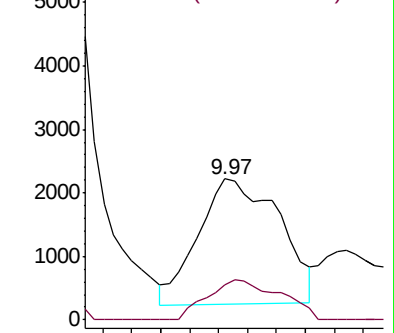
Ion Ratio Lower Upper

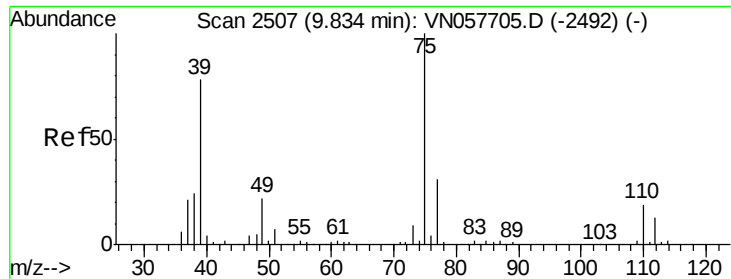
43 100

58 28.7 25.8 38.8



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





#54

cis-1,3-Dichloropropene

Concen: 3.839 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

T12-D2-(3.5)

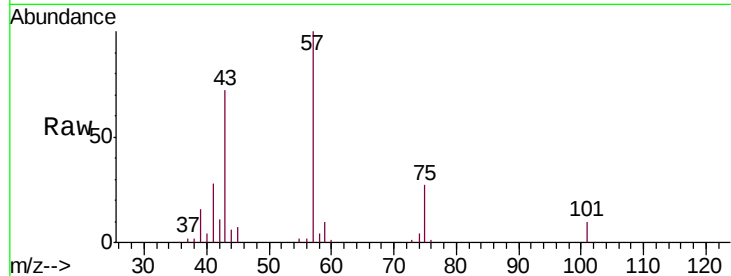
Tgt Ion: 75 Resp: 18976

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

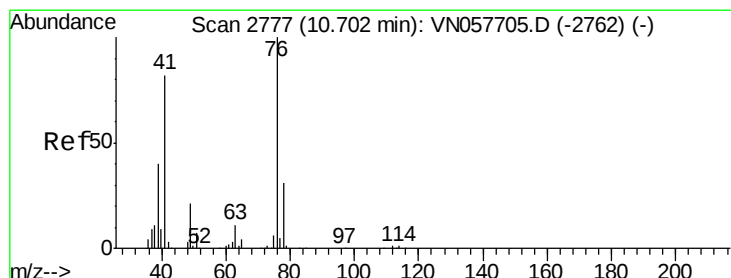
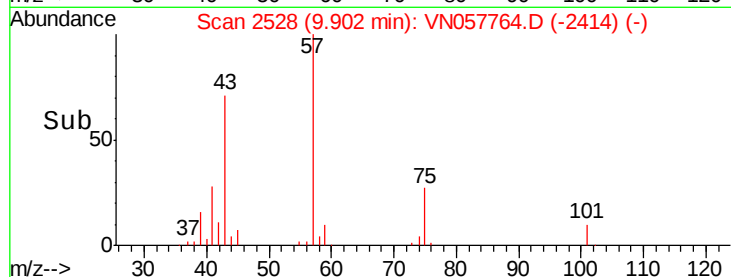
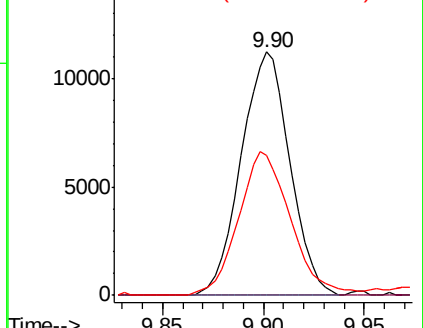
39 57.6 62.4 93.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057764.D (-2414) (-)

Ion 76.90 (76.60 to 77.60): VN057764.D (-2414) (-)

Ion 39.00 (38.70 to 39.70): VN057764.D (-2414) (-)



#57

1,3-Dichloropropane

Concen: 0.445 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057764.D

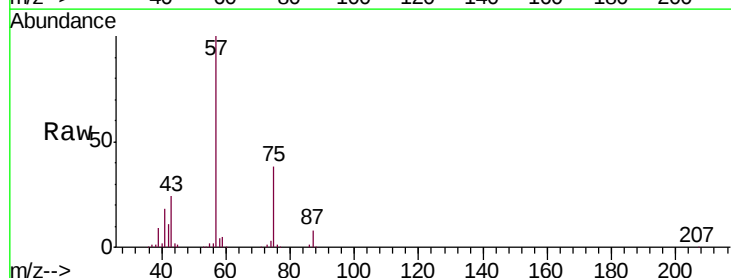
Acq: 7 Sep 2019 19:09

Tgt Ion: 76 Resp: 2332

Ion Ratio Lower Upper

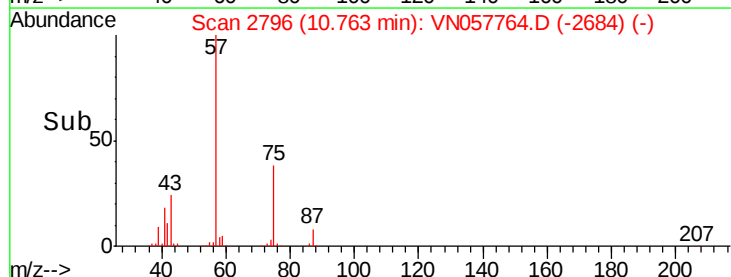
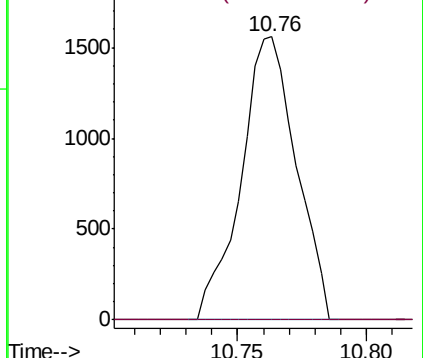
76 100

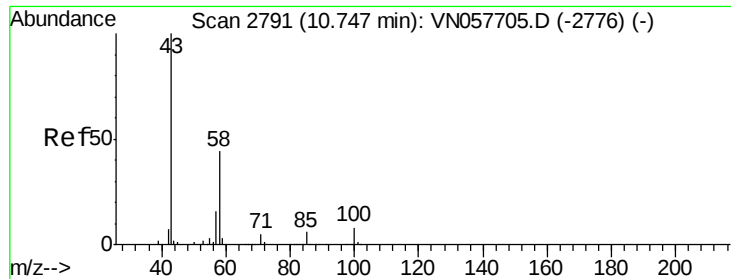
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN057764.D (-2684) (-)

Ion 77.90 (77.60 to 78.60): VN057764.D (-2684) (-)

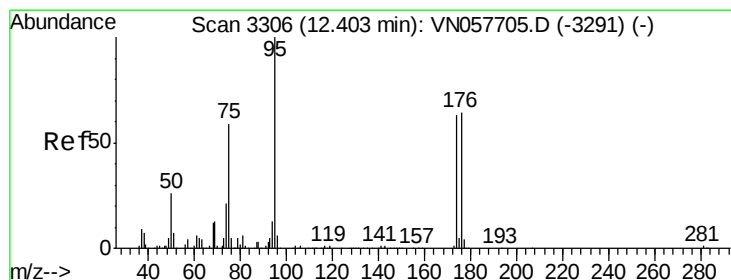
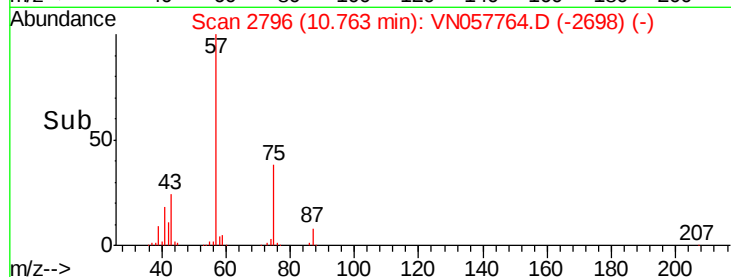
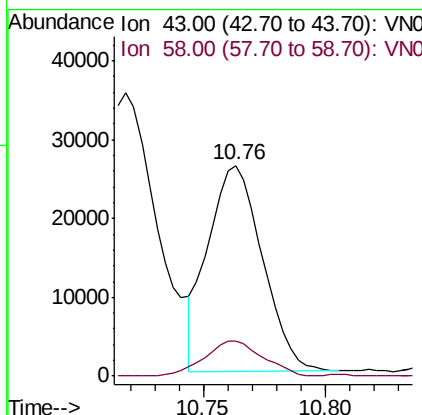
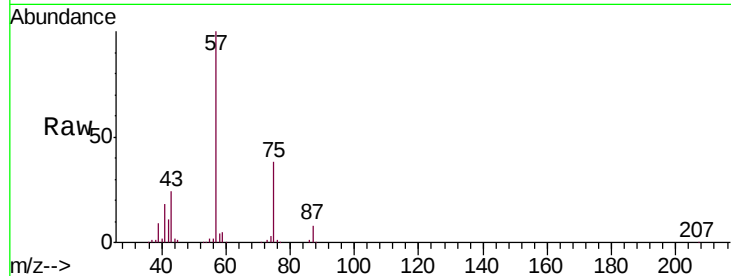




#59
2-Hexanone
Concen: 12.819 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

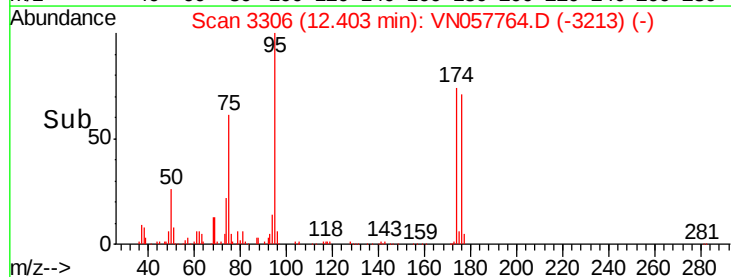
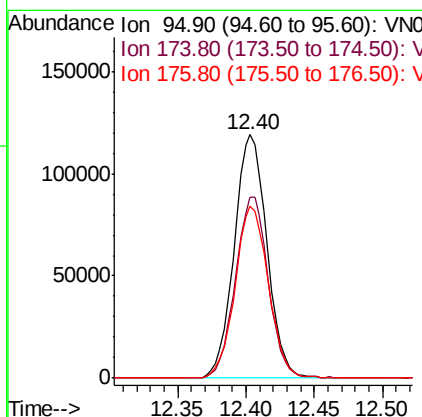
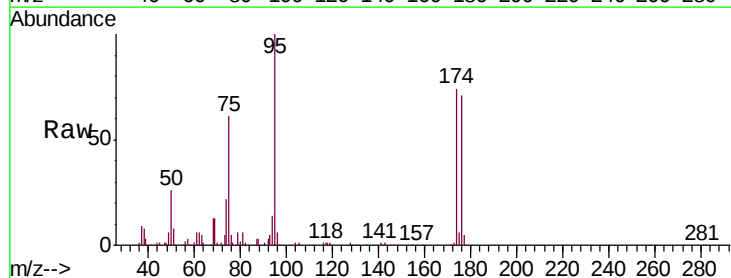
Instrument :
MSVOA_N
ClientSampleId :
T12-D2-(3.5)

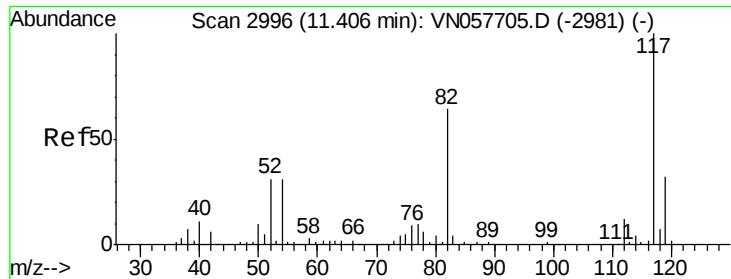
Tgt Ion: 43 Resp: 40449
Ion Ratio Lower Upper
43 100
58 18.4 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 44.423 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Tgt Ion: 95 Resp: 197605
Ion Ratio Lower Upper
95 100
174 75.2 0.0 128.0
176 72.1 0.0 128.0

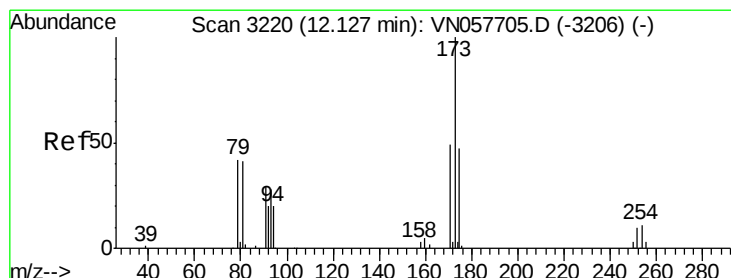
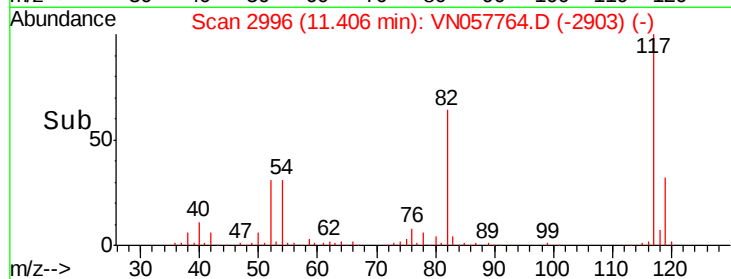
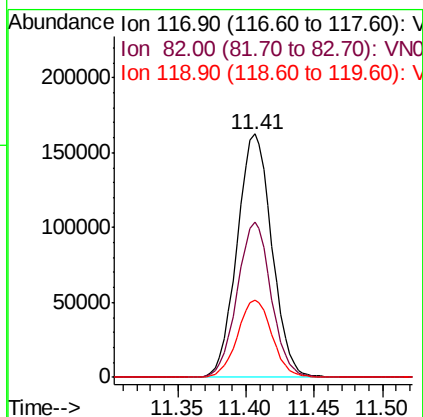
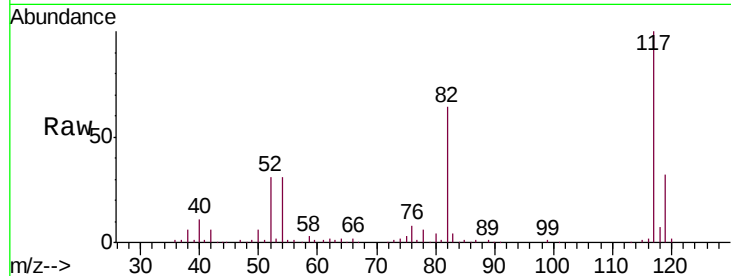




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

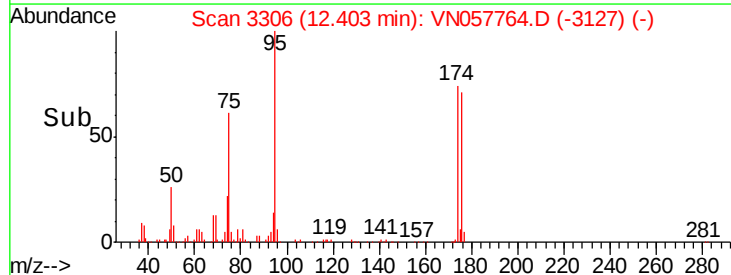
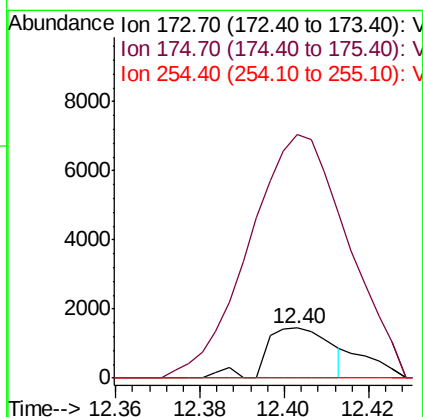
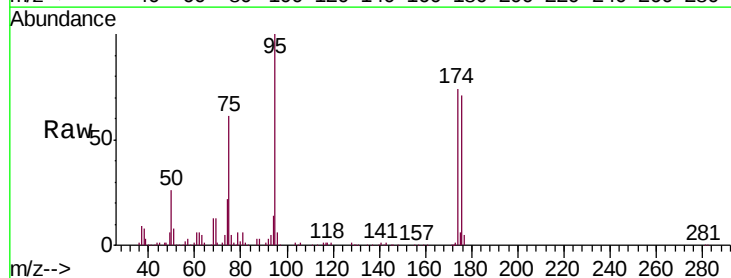
Instrument :
MSVOA_N
ClientSampled :
T12-D2-(3.5)

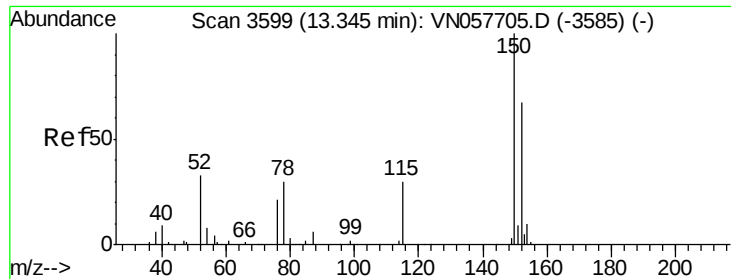
Tgt Ion:117 Resp: 288292
Ion Ratio Lower Upper
117 100
82 63.8 51.4 77.0
119 31.9 25.4 38.2



#71
Bromoform
Concen: 3.972 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057764.D
Acq: 7 Sep 2019 19:09

Tgt Ion:173 Resp: 1527
Ion Ratio Lower Upper
173 100
175 630.7 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: VN057764.D

Acq: 7 Sep 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

T12-D2-(3.5)

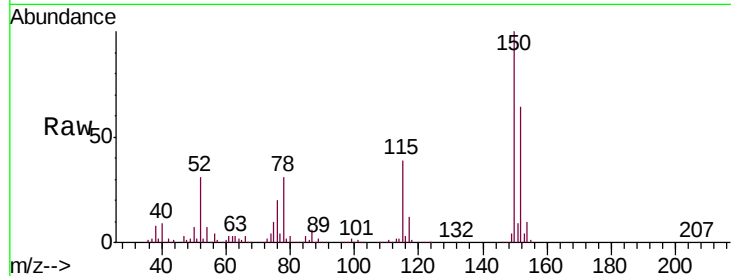
Tgt Ion:152 Resp: 156342

Ion Ratio Lower Upper

152 100

115 62.0 33.8 101.3

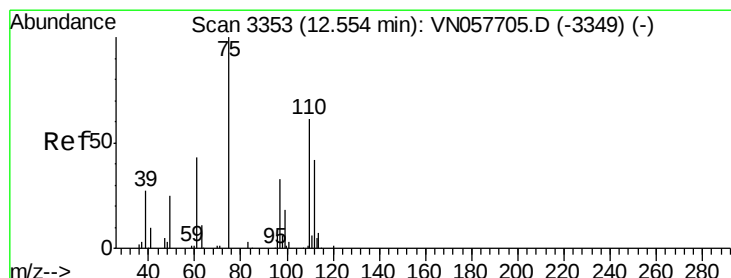
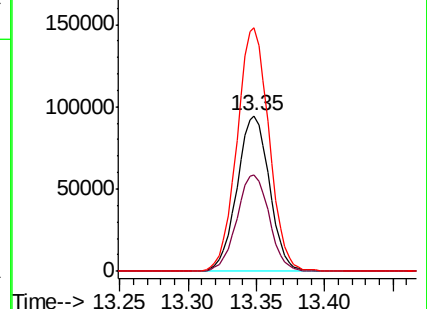
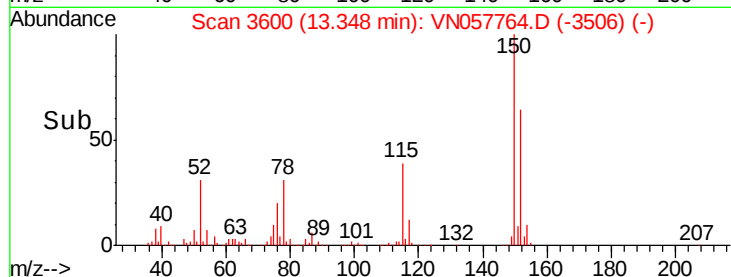
150 154.8 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 33.247 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057764.D

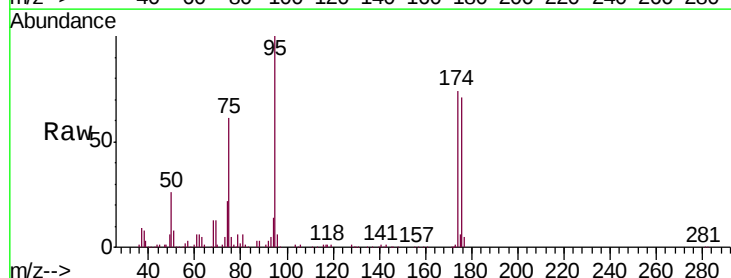
Acq: 7 Sep 2019 19:09

Tgt Ion: 75 Resp: 119362

Ion Ratio Lower Upper

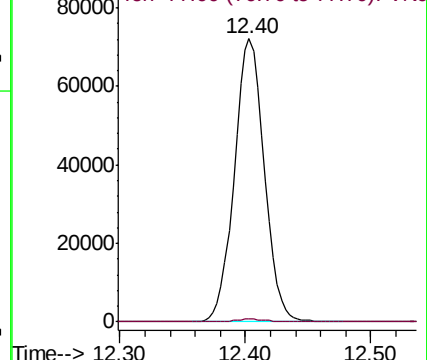
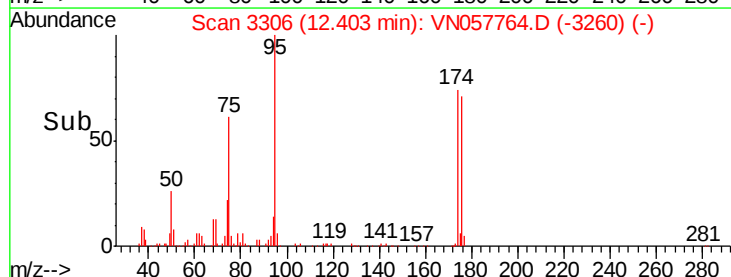
75 100

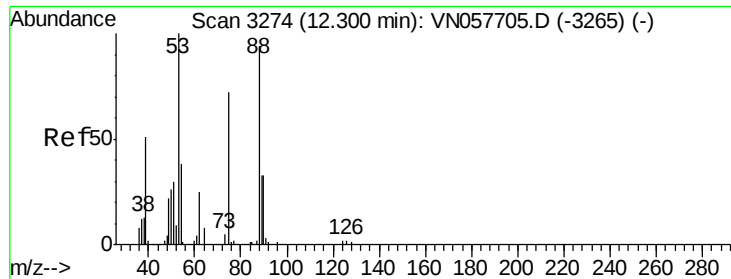
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.397 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057764.D
 Acq: 7 Sep 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D2-(3.5)

Tgt Ion: 75 Resp: 119362
 Ion Ratio Lower Upper
 75 100
 53 0.1 107.0 160.6#
 89 0.0 36.5 54.7#

